


New from EDT	Our newest products		Orange
Poly-Round® Solution	Poly-Round® inserts in Solution® polymer or stainless housings		Peach
Poly-Round® Inserts	Poly-Round® inserts can be used in any housing; different styles and materials available for different temperatures		Royal blue
Part Numbering	EDT part number system illustrated	NA1GEP-23-LK	Red
Type E Solution®	Type E and RPB retrofit tapered roller bearing assemblies		Yellow
Stainless Ball Solution®	Stainless ball bearings in Solution® polymer or stainless housings, or purchase separately; available food grade grease or solid lubricated		Light Gray
Specialty Bearings	<ul style="list-style-type: none"> - Bearings for submerged oil - Snack food - Breaders - Peelers - Dryer lids - Produce - Fryers - Yamato Weigh scales 		Pink
Product Flyers	Posters available in various sizes: - Poly-Round® into housing - Selecting EDT Bearings - Reuse/replace breader bearings		Amber
Miscellaneous	<i>Your section – use as you like</i>		White
Unmounted Radial Bearings	Radial Poly-Round® bearings and radial ball bearings. Ball bearings are available greased or solid lubricated.		Gray
Solution® Housings	Bearing housings, polymer or stainless, are available without an insert. Dimensions here.		Green
SS Take-Up Frames	Stainless frames fit any brand take-ups; styles: - wide - narrow - weld-on		Gray
Technical and Design	Engineering data, USDA list, Kosher certification, hardware, technical updates, part numbers		Brown
User Handbook	Guide of installation and maintenance information, lubrication, troubleshooting		Purple

POLY-ROUND® PLUS

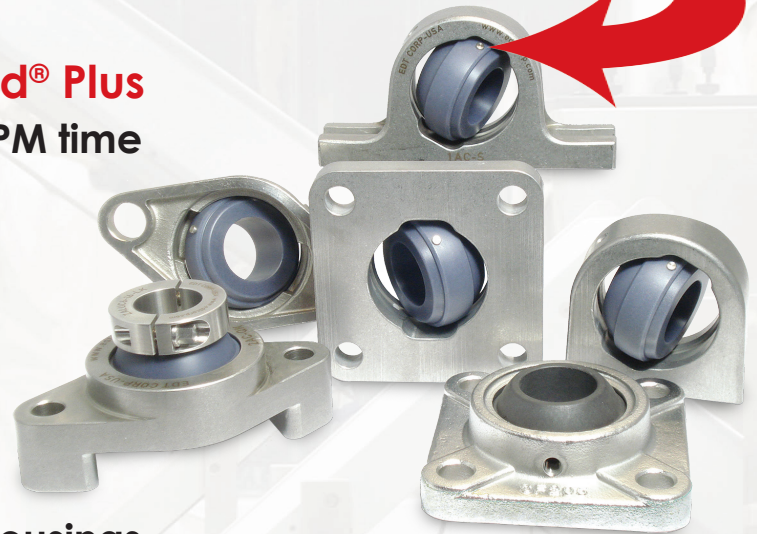


NOW! The industry's most cost-effective bearing is easier than ever to use more widely

Poly-Round® Plus features an anti-rotation pin that allows installation into most housings

Advantages of using **Poly-Round® Plus**

- Extended up-time and reduced PM time
- Use NO grease
- Unaffected by wash-down
- Will not rust
- Choice of materials depending on application
- Quick retrofit into most bearing housings



Consider **Poly-Round® Plus** bearings for environments where it is difficult to maintain ball bearings, like:



- High levels of sanitation
- High or low temperature
- Washdown
- Process moisture, steam, brine, submerged
- Partial rotation or start-stop
- Impact
- Corrosion



Appropriate locations for **Poly-Round®** bearings

- Modular plastic belts
- Wire belts
- Idlers, including ovens
- Freezers
- Dumpers
- Blenders and mixers
- Wastewater equipment




Bearings For Severe Service Environments

Gain the advantages of Poly-Round® bearings Plus reuse your housings

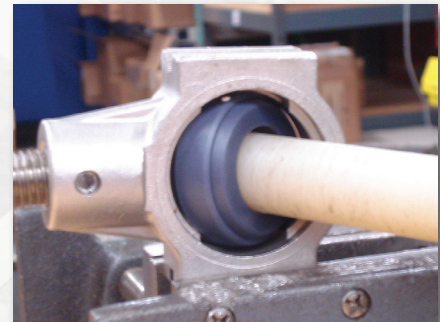
Maximize your maintenance budget with Poly-Round® Plus bearings

Poly-Round® Plus COST OF OWNERSHIP EXAMPLE

Stainless ball bearing assembly changed every three months		Stainless ball bearing assembly changed to EDT Poly-Round® Plus and reuse stainless steel housing	
Year 1 - 1st Quarter			
Original bearing SUCSFL205-16	\$64.00	Original bearing SUCSFL205-16	\$64.00
Installation labor \$35/hr x ½ hr	\$17.50	Installation labor \$35/hr x ½ hr	\$17.50
Lubrication: Lube .30/Oz x 1 oz x 5 times/week	\$1.50	Lubrication: Lube .30/Oz x 1 oz x 5 times/week	\$1.50
Labor \$35/ hr x [2 min x 5 times/week = 10 min]	\$5.83 \$7.33 x 12	Labor \$35/ hr x [2 min x 5 times/week = 10 min]	\$5.83 \$7.33 x 12
Maintenance cost over 12 weeks	\$87.96	Maintenance cost over 12 weeks	\$87.96
Q1 total cost to operate bearing	\$172.46	Q1 total cost to operate bearing	\$172.46
Q2 replace same unit with same PM cycles	\$172.46	Replace bearing insert with Poly-Round® Plus NAIPCO-C + sleeve ZALUC6-16-LK	\$48.00 \$90.00 \$138.00
Q3 replace same unit with same PM cycles	\$172.46	Q3 Poly-Round® Plus operates with low/no maintenance	\$0.00
Q4 replace same unit with same PM cycles	\$172.46	Q4 Poly-Round® Plus operates with low/no maintenance	\$0.00
Year 1 total cost for bearing	\$689.84	Year 1 total cost for bearing	\$310.46
One year savings with Poly-Round® Plus	\$379.38 savings		
Year 2			
Q1 - replace same unit at same costs	\$172.46	Q4 Poly-Round® Plus operates with low/no maintenance	\$0.00
Q2 replace same unit at same costs	\$172.46	½ hr labor to 180° rotate Poly-Round® Plus	\$17.50
Q3 replace same unit at same costs	\$172.46	Q3 Poly-Round® Plus operates with low/no maintenance	\$0.00
Q4 replace same unit at same costs	\$172.46	Q4 Poly-Round® Plus operates with low/no maintenance	\$0.00
Year 2 total cost for bearing	\$689.84	Year 2 total cost for bearing	\$17.50
		Y2 Savings with Poly-Round® Plus	\$672.34
Y1 + Y2 costs	\$1,379.68	Y1 + Y2 costs	\$327.96
Two year savings with Poly-Round® Plus	\$1,051.72 savings		



On tractor-driven conveyor belts, EDT GUARANTEES 'NA' and 'QF' Poly-Round® Plus for 1 YEAR or we'll replace the bearing



THE 180° ADVANTAGE!

When insert wears too far in one direction, rotate insert 180° to use the unworn portion



Let EDT Help!

To check which bearing is best for your application, complete a **Bearing Design Checklist (BDC)** today and you'll hear from us promptly!
www.edtcorp.com/html_pages/technical.html



Bearings For Severe Service Environments



DoubleLock[®] with KleanCap[®] Screw



EDT's KleanCap[®] Screw is a screw with a unique RAISED hex-cap

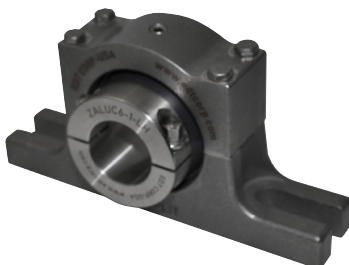
- Better HACCP compliance by eliminating socket cavities
- Made of 300-series SS for maximum corrosion resistance
- More positive drive than a socket head fitting



KleanCap[®] Screws in DoubleLock[®] sleeves provide a more sanitary and more positive locking mechanism than socket screws offer.

New KleanCap[®] Screws raise the SANITATION bar

Ideal for
HACCP
programs



EDT was the first plane bearing manufacturer to offer locking sleeves to control the surface finish of the journal AND laterally retain the bearing and shaft location relative to each other.



Set screw



DoubleLock®
"split clamp" locking



KleanCap® DoubleLock®
"split clamp"
with raised hex-cap

It's easy to retro-fit DoubleLock® '-LC' sleeves → KleanCap® DoubleLock® '-LK'

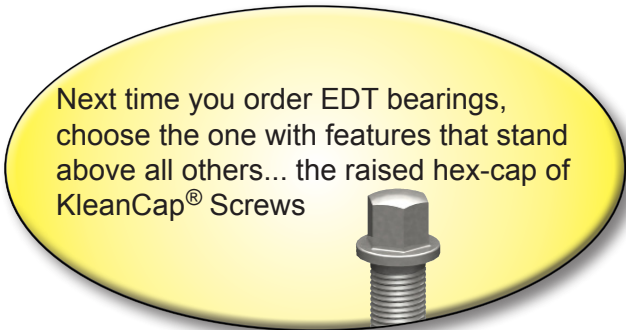
1) By changing the screws on DoubleLock® sleeves you have

KleanCap® screws				
Hardware part number	Dimensions	LK screws for sleeves	Socket (Thin walled deep socket)	Recommended tightening torque*
KCS1/4-28	1/4 - 28 x 5/8" KleanCap® Screw	Group Sizes <u>A</u> thru <u>E</u>	1/4"	110 in/lbs
KCS5/16-24	5/16 - 24 x 5/8" KleanCap® Screw	Group Sizes <u>G</u> thru <u>J</u>	5/16"	200 in/lbs
KCS3/8-24	3/8 - 24 x 5/8" KleanCap® Screw	Group Sizes <u>K</u> thru <u>Q</u>	3/8"	350 in/lbs

* This is not higher than setscrew locking, just easier to accomplish with a socket driver rather than an Allen wrench

2) By changing the DoubleLock® sleeve suffix from -LC to -LK when ordering

DoubleLock® (with socket head cap screw) p/n suffix '-LC'	KleanCap® DoubleLock® p/n suffix '-LK'
ZALUA6... LC	ZALUA6... LK
ZALUB6... LC	ZALUB6... LK
ZALUC6... LC	ZALUC6... LK
ZALUD6... LC	ZALUD6... LK
ZALUE6... LC	ZALUE6... LK
ZALUF6... LC	ZALUF6... LK
ZALUG6... LC	ZALUG6... LK
ZALUH6... LC	ZALUH6... LK
ZALUI6... LC	ZALUI6... LK
ZALUJ6... LC	ZALUJ6... LK
ZALUK6... LC	ZALUK6... LK
ZALUL6... LC	ZALUL6... LK
ZALUM6... LC	ZALUM6... LK
ZALUO6... LC	ZALUO6... LK





POLY-ROUND[®] SOLUTION[®] MOUNTED BEARINGS



Greaseless Poly-Round[®] bearing insert in non-corrosive housing solves maintenance and contamination issues

- Housings and inserts are USDA accepted
- Poly-Round[®] bearings have no moving parts
 - Perfect for HACCP programs
 - Sanitary operation
- Reliably operate in locations where ball bearings fail
- Save time – zero maintenance without regreasing or rust
- Save money – reuse most components to maximize investment
- Eliminate production down time – predictable wear, no catastrophic failure



**Greaseless
Poly-Round® Insert**

+

**Solution® Noncorrosive
Bearing Housing**

=

**Poly-Round®
Solution®**

Features and benefits

- No grease – eliminate problems associated with grease: viscosity, contamination, expense, labor
- Entire polymer unit is bearing (translates to longer usable life) and accommodates thrust
- Optimize the bearing for your requirements:
 - Variety of materials with different properties
 - Various styles for different installations
- Predictable wear allows planned maintenance rather than emergency replacement
- Ideal for HACCP and other maintenance programs.



Standard
Poly-Round®



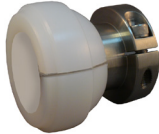
Narrow
Poly-Round®



Split style
Poly-Round®



Poly-Sphere®

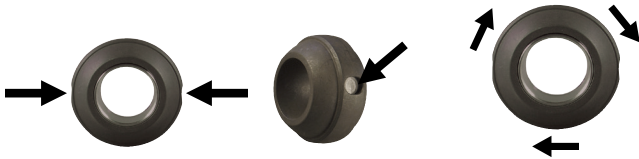


Poly-Round®
freezer bearing



Poly-Round®
oven bearing

Poly-Round® has two anti-rotation slots at 180°



Flip bearing insert 180° to fully utilize the polymer.

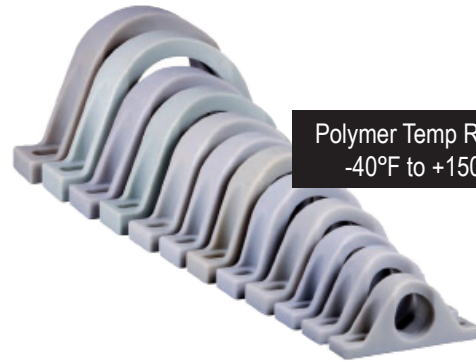
FOR DESIGN ASSISTANCE

Complete a Bearing Design Checklist (BDC)
See page H-3 or go to www.edtcorp.com



Features and benefits

- Smoothest surface finishes and no metal crush inserts for highest levels of sanitation
- Option of QuiKlean® integral stand-off reduces 'foot print' and enables better wash down accessibility
- Wide range of styles available
- Accept EDT and other brands of inserts for re-grease or no-lube



Polymer Temp Range:
-40°F to +150°F



Stainless Temp Range:
Cryogenic to +1000°F

Poly-Round® plane bearings are ideal for tough applications where ball bearings don't perform as reliably as desired, such as:

- Sanitary – HACCP
- High or low temperature
- Wash-down or steam
- Exposure to processing liquids, chemicals
- Incomplete rotation or oscillating motion
- Submerged in liquids
- Locations difficult to regularly maintain



Use ball bearings in these applications:

- High tension applications (V-belt drives, flat belt conveyors, urethane belts)
- High speed devices (fans, pumps, table top conveyors)
- Overhung loads (unsupported shaft mounted gear reducers)
- Trunnion applications
- Where plane bearings are not suitable, see EDT's ball bearing options.

What are plane bearings?

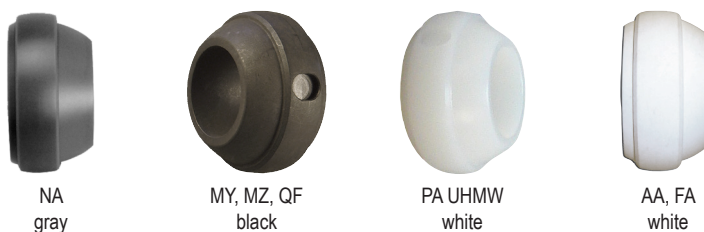
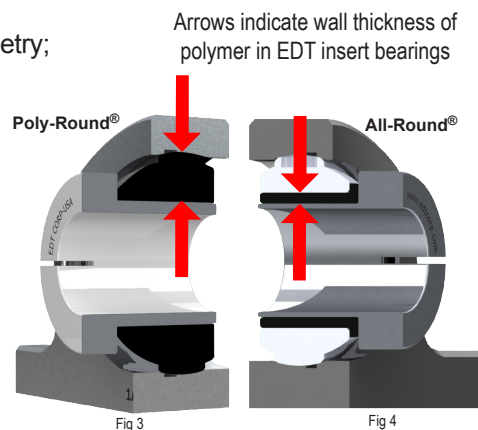
Plane bearings operate without rolling elements. The term 'plane' comes from geometry; it establishes the *plane of operation* of the centerline relative to the load.

Plane bearings can be made from a variety of materials (metals, woods, polymers, other materials). Bearing-grade polymers incorporate lubricity into the material to operate without needing any grease. Plane bearings without any grease or oil are considered Class 3 plane bearings. **EDT specializes in Class 3 polymer plane bearings.**

EDT offers a complete line of polymer plane bearings that interchange with insert ball bearings, both UC-style (setscrew) and SA-style (eccentric).

EDT Poly-Round[®] solid polymer inserts (Fig 3) and All-Round[®] polymer-and-stainless inserts (Fig 4) are available in a variety of polymer materials, each having different ranges of capabilities (see Material Selection Chart).

Check with EDT regarding the most appropriate style of bearing and bearing material for the specific applications you have. Poly-Round[®] bearings are an excellent choice on most applications where speed is not too fast. (All-Round[®] bearings are shown in the All-Round[®] section of the EDT catalog.)



Material Selection Chart

	Poly-Round [®] Bearing Materials	PV Limit*	Maximum Speed V (SFM)	Maximum Loading P (PSI)	Continuous Operating Temp.	Performance in Moisture		Δ T Dimensional Stability with Temp Change	Chemical Resistance	Abrasion Resistance	Impact Resistance	USDA/FDA Contact Approval [^]
						Wash down	Submerged					
Bearings	PA UHMW white	1,000	50	800	150°F / 65°C	Excellent	Excellent	Poor	Excellent	Abrasion applications are very non-predictable. Each application must be tested for abrasion resistance.	Excellent	Direct
	AA white	2,000	200	1,000	160°F / 71°C	Excellent	Good	Fair	Fair		Fair	Direct
	NA gray	6,000	350	2,000	200°F / 93°C	Excellent	Good	Fair	Good		Excellent	Incidental
	FA white	6,000	350	1,000	500°F / 260°C	Excellent	Excellent	Poor	Excellent		Excellent	Direct
	QF black	60,000	400	6,000	450°F / 232°C	Excellent	Excellent	Excellent	Excellent		Fair	Incidental
	MZ black	6000	300	4,000	650°F / 343°C	Excellent	Excellent	Excellent	Excellent		Fair	Incidental
	MY black	5000	250	3,000	800°F / 425°C	Excellent	Excellent	Excellent	Excellent		Fair	Incidental

* PV limits are shown for un-lubricated radial bearing applications. Low temperature / submerged installation may permit PV limits up to 2x higher.

[^] All EDT products are suitable for use in food processing. Only locations with direct food contact require "direct" USDA/FDA contact approval

Plane bearing capacity is measured by PV and will determine the amount of heat generated in the bearing. PV is the relationship of the load to the shaft speed in a bearing.

Factors influencing PV limits (heat generation) include:

- Material selection
- Journal surface finish
- Bearing wall thickness
- Running clearance
- Proximity to moisture
- Ambient temperature
- Cycle time

HOW TO CALCULATE PV

PV - P x V
P - pressure in PSI (lbs/sq in)
V - velocity in SFM (surface ft/min)
P - F/A
 where F = force (load) on bearing
 A = shaft dia (in) x LTB
 (LTB = bearing length through the bore)
V - .262 x D x RPM
 where D = shaft diameter (in)
 RPM = shaft revolutions/min

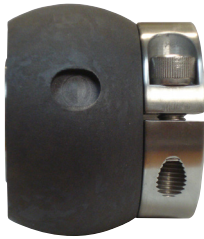
Poly-Round® and Poly-Sphere® Bearings

Dimensionally Interchanges with Wide Inner Ring Insert Standard Poly-Round® Bearings

NOTE:
Poly-Sphere® and Split Poly-Sphere®
fit into special housings



Sample p/n
(__IUC7-x-LK)



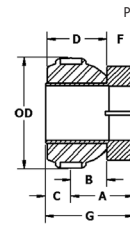
Sample p/n
(__OUC7-x-LK)



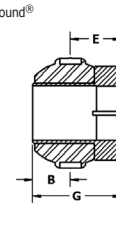
Poly-Round®
(__IUC0-x)



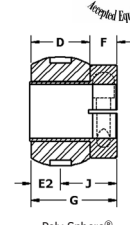
Poly-Sphere®
(__OU0C-x)



VIEW-A



VIEW-B

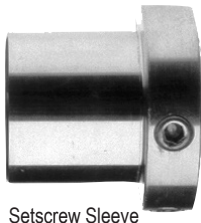


Poly-Sphere®

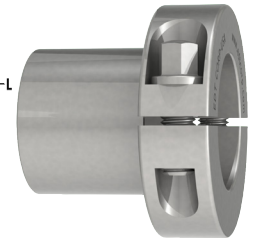
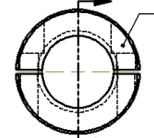
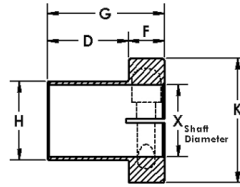
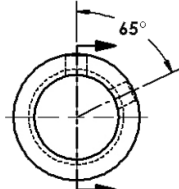
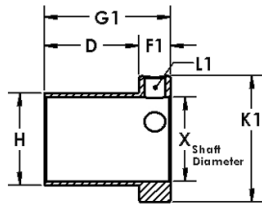
x = Shaft Size		Poly-Round® Insert with Sleeve										A	B	C	D	E	E2	F	
		Poly-Round® with KleanCap™ DoubleLock® Sleeve	Split Poly-Round® with KleanCap™ DoubleLock® Sleeve	Poly-Sphere® with KleanCap™ DoubleLock® Sleeve	Split Poly-Sphere® with KleanCap™ DoubleLock® Sleeve	Wt	G	G1	J										
mm	in	16 ^{ths}	mm∅ Inch∅ Ring Group	Setscrew Sleeve	Split Sleeve	Setscrew Sleeve	Split Sleeve	lbs	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm		
12	1/2	8	40	_IUA0-x	_IUAT-x	_OUA7-x	_OUAT-x	.2	1.38	1.23	0.96	1.04	0.60	0.34	0.91	0.75	0.46	0.44	
15	9/16	9	1.575	_IUA7-x-LK	_IUAT-x-LK	_OUA7-x-LK	_OUAT-x-LK		35.1	(-.15)	24.3	26.4	15.2	8.7	23.2	19.1	11.6	11.2	
17	5/8	10	203	_IUA7-x	_IUAT-x-LKT	_OUA7-x	_OUAT-x-LKT												
12	1/2	8	47	_IUB0-X	_IUBT-x	_OUB7-x	_OUBT-x	.3	1.57	1.42	1.02	1.10	0.60	0.44	1.04	0.94	0.52	0.50	
15	5/8	10	1.850	_IUB7-x-LK	_IUBT-x-LK	_OUB7-x-LK	_OUBT-x-LK		39.8	(-.15)	25.9	27.9	15.2	11.2	26.3	23.8	13.2	12.7	
17	11/16	11	204	_IUB7-x	_IUBT-x-LKT	_OUB7-x	_OUBT-x-LKT												
20	3/4	12	B																
12	3/4	12	52	_IUC0-x	_IUBT-x	_OUC7-x	_OUCT-x	.4	1.63	1.48	1.05	1.16	0.66	0.47	1.10	0.94	0.55	0.50	
13/16	13		2.047	_IUC7-x-LK	_IUBT-x-LK	_OUC7-x-LK	_OUCT-x-LK		41.4	(-.15)	26.7	29.5	16.8	11.9	27.9	23.8	13.9	12.7	
15	7/8	14	205	_IUC7-x	_IUBT-x-LKT	_OUC7-x	_OUCT-x-LKT												
25	15/16	15	C																
1	16		62	_IUD0-x	_IUDT-x	_OUD7-x	_OUDT-x	.6	1.82	1.77	1.14	1.30	0.80	0.52	1.29	0.99	0.64	0.50	
1-1/16	17		2.441	_IUD7-x-LK	_IUDT-x-LK	_OUD7-x-LK	_OUDT-x-LK		46.2	(-.05)	29.0	32.9	20.2	13.2	32.7	25.1	16.3	12.7	
1-1/8	18		206	_IUD7-x	_IUDT-x-LKT	_OUD7-x	_OUDT-x-LKT												
30	1-3/16	19	D																
1-1/4	20		72	_IUE0-x	_IJET-x	_OUE7-x	_OUET-x	.8	2	1.97	1.26	1.47	0.97	0.53	1.47	1	0.74	0.50	
1-3/16	19		2.835	_IUE7-x-LK	_IJET-x-LK	_OUE7-x-LK	_OUET-x-LK		50.8	(-.03)	32.0	37.3	24.6	13.5	37.3	25.4	18.1	12.7	
1-5/16	20		207	_IUE7-x	_IJET-x-LKT	_OUE7-x	_OUET-x-LKT												
35	1-3/8	22	E																
1-7/16	23		80	_IUF0-x	_IUGT-x	_OUF7-x	_OUFT-x	1.0	2.13	2.16	1.30	1.51	1.01	0.59	1.60	1.09	0.80	0.50	
1-1/2	24		3.150	_IUF7-x-LK	_IUGT-x-LK	_OUF7-x-LK	_OUFT-x-LK		54.1	(+.03)	33.0	38.3	25.6	15.0	40.6	27.8	20.3	12.7	
1-9/16	25		208	_IUF7-x	_IUGT-x-LKT	_OUF7-x	_OUFT-x-LKT												
40	1-5/8	26	F																
1-1/2	24		85	_IUG0-x	_IUGT-x	_OUG7-x	_OUGT-x	1.2	2.32	2.23	1.46	1.69	1.07	0.59	1.66	1.22	0.80	0.63	
1-5/8	26		3.346	_IUG7-x-LK	_IUGT-x-LK	_OUG7-x-LK	_OUGT-x-LK		58.9	(-.09)	37.0	43.0	27.2	15.0	42.2	31.0	21.9	15.9	
1-11/16	27		209	_IUG7-x	_IUGT-x-LKT	_OUG7-x	_OUGT-x-LKT												
45	1-3/4	28	G																
1-11/16	27		90	_IUH0-x	_IUHT-x	_OUH7-x	_OUHT-x	1.3	2.32	2.23	1.48	1.69	1.07	0.60	1.66	1.22	0.83	0.63	
1-3/4	28		3.543	_IUH7-x-LK	_IUHT-x-LK	_OUH7-x-LK	_OUHT-x-LK		58.9	(-.09)	37.6	43.0	27.2	15.2	42.2	31.0	21.1	15.9	
1-13/16	29		210	_IUH7-x	_IUHT-x-LKT	_OUH7-x	_OUHT-x-LKT												
50	1-15/16	31	H																
1-15/16	31		100	_IUI0-x	_IUIT-x	_OUI7-x	_OUIT-x	1.8	2.50	2.41	1.58	1.85	1.22	0.62	1.85	1.25	0.93	0.63	
2	32		3.937	_IUI7-x-LK	_IUIT-x-LK	_OUI7-x-LK	_OUIT-x-LK		63.6	(-.09)	40.1	47.0	31.1	15.8	47.0	31.8	23.6	15.9	
1-15/16	31		211	_IUI7-x	_IUIT-x-LKT	_OUI7-x	_OUIT-x-LKT												
55	2-1/8	34	I																
2-1/16	33		110	_IUJ0-x	_IUJT-x	_OUJ7-x	_OUJT-x	2.0	2.75	2.66	1.70	2.06	1.44	0.66	1.44	1.28	1.05	0.63	
2	32		4.331	_IUJ7-x-LK	_IUJT-x-LK	_OUJ7-x-LK	_OUJT-x-LK		69.9	(-.09)	43.2	52.4	36.5	16.8	36.5	32.5	26.7	15.9	
2-5/16	37		212	_IUJ7-x	_IUJT-x-LKT	_OUJ7-x	_OUJT-x-LKT												
60	2-3/8	38	J																
2-3/16	35		125	_IUK0-x	_IUKT-x	_OUK7-x	_OUKT-x	4.0	2.88	2.85	1.83	2.10	1.35	0.75	2.10	1.50	1.05	0.75	
2-1/2	40		4.921	_IUK7-x-LK	_IUKT-x-LK	_OUK7-x-LK	_OUKT-x-LK		73.2	(-.03)	46.5	53.3	34.3	19.0	53.3	38.1	26.7	19.1	
2-5/8	42		214	_IUK7-x	_IUKT-x-LKT	_OUK7-x	_OUKT-x-LKT												
70	2-11/16	43	K																
2-7/16	39		130	_IULO-x	_IULT-x	_OUL7-x	_OULT-x	3.4	2.88	2.85	1.83	2.04	1.29	.81	2.10	1.56	1.05	0.75	
2-11/16	43		5.118	_IUL7-x-LK	_IULT-x-LK	_OUL7-x-LK	_OULT-x-LK		73.2	(-.03)	46.5	51.8	32.7	20.5	53.3	39.7	26.7	19.1	
2-3/4	44		215	_IUL7-x	_IULT-x-LKT	_OUL7-x	_OULT-x-LKT												
75	2-15/16	46	L																
2-3/4	44		140	_IUMO-x	_IUMT-x	_OUL7-x	_OUMT-x	4.2	3.13	3.13	1.93	2.26	1.51	.84	2.35	1.59	1.18	0.75	
2-7/8	46		5.511	_IUM7-x-LK	_IUMT-x-LK	_OUL7-x-LK	_OUMT-x-LK		79.5	(0)	49.0	57.4	38.4	21.3	59.7	40.4	29.9	19.1	
2-15/16	47		216	_IUM7-x	_IUMT-x-LKT	_OUL7-x	_OUMT-x-LKT												
80	3	48	M																
3-3/16	51		160	_IU00-x	_IUOT-x	_OU07-x	_OUCT-x	4.9	3.50	3.50	2.49	2.30	1.55	1.20	2.75	1.95	1.74	0.75	
2-3/4	44		6.299	_IU07-x-LK	_IUOT-x-LK	_OU07-x-LK	_OUCT-x-LK		88.9	(0)	63.2	58.4	39.4	30.5	69.9	49.53	44.2	19.1	
2-15/16	47		218	_IU07-x	_IUOT-x-LKT	_OU07-x	_OUCT-x-LKT												
3-1/4	52		218																
3-7/16	55		O																
3-1/2	56																		

Locking Sleeves: DoubleLock® or Setscrew Lock

316 Stainless Locking Sleeve Extends Bearing Life and Eliminates Shaft Damage



Setscrew Sleeve



KleanCap™ DoubleLock® Sleeve

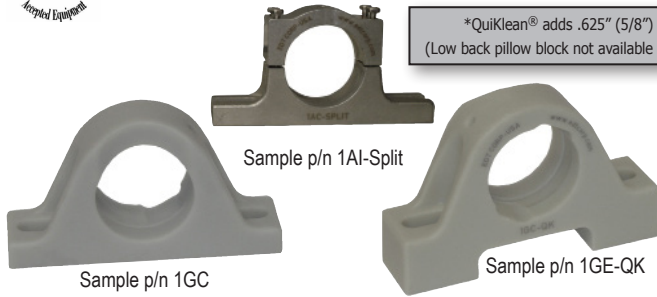
ZALU 6-x-04(LK) sleeve is 0.6" longer 'G' and 'G1' dimension to accommodate shaft expansion

Setscrew Sleeve						KleanCap™ DoubleLock® Sleeve									
Wt	G1	F1	K1	L1	Standard Sleeve p/n	Wt lbs	G	F	K	L	H	KleanCap™ DoubleLock®		Expansion Style	
	in mm	in mm	in mm	2 ea SS setscrew	Narrow Sleeve p/n		in mm	in mm	in mm	2 ea ss SHCS	in mm	in mm	D	Standard Sleeve p/n	D
.15	1.31 32	0.38 9	1.13 28	1/4 - 28	ZALUA6-x ZAMUA6-x	.18	1.38 35.1	.44 11.2	1.35 34.3	1/4 - 28	.78 20.0	0.94 23.8	ZALUA6-x-LK ZAMUA6-x-LK	1.54 38	ZALUA6-x-04-LK
.15	1.44 35	0.38 9	1.25 31	1/4 - 28	ZALUB6-x ZAMUB6-x	.2	1.57 39.8	.50 12.7	1.61 40.9	1/4 - 28	.91 23.2	1.07 27.2	ZALUB6-x-LK ZAMUB6-x-LK	1.67 44	ZALUB6-x-04-LK
.15	1.50 37	0.38 9	1.50 37	1/4 - 28	ZALUC6-x ZAMUC6-x	.2	1.63 41.4	.50 12.7	1.73 43.9	1/4 - 28	1.10 27.9	1.30 33.0	ZALUC6-x-LK ZAMUC6-x-LK	1.73 43	ZALUC6-x-04-LK
.31	1.79 44	0.48 12	1.75 43	3/8 - 24	ZALUD6-x ZAMUD6-x	.4	1.82 46.2	.50 12.7	1.98 50.3	1/4 - 28	1.35 34.3	1.32 33.5	ZALUD6-x-LK ZAMUD6-x-LK	1.92 48	ZALUD6-x-04-LK
.55	2.0 49	0.50 12	2 49	3/8 - 24	ZALUE6-x ZAMUE6-x	.5	2 50.8	.50 12.7	2.23 56.6	1/4 - 28	1.54 39.1	1.5 38.1	ZALUE6-x-LK ZAMUE6-x-LK	2.10 53	ZALUE6-x-04-LK
.62	2.19 54	0.56 14	2.25 55	3/8 - 24	ZALUF6-x ZAMUF6-x	.6	2.13 54.1	.50 12.7	2.36 59.9	1/4 - 28	1.73 43.9	1.63 41.4	ZALUF6-x-LK ZAMUF6-x-LK	2.23 56	ZALUF6-x-04-LK
.86	2.25 55	0.56 14	2.50 61	3/8 - 24	ZALUG6-x ZAMUG6-x	.8	2.32 58.9	.63 15.9	2.73 69.3	5/16 - 24	1.87 47.5	1.69 42.9	ZALUG6-x-LK ZAMUG6-x-LK	2.29 58	ZALUG6-x-04-LK
1.0	2.25 55	0.56 14	2.69 66	3/8 - 24	ZALUH6-x ZAMUH6-x	1.1	2.32 58.9	.63 15.9	2.98 75.7	5/16 - 24	2.10 53.3	1.69 42.9	ZALUH6-x-LK ZAMUH6-x-LK	2.29 58	ZALUH6-x-04-LK
1.3	2.44 60	0.56 14	2.88 71	3/8 - 24	ZALUI6-x ZAMUI6-x	1.3	2.51 63.8	.63 15.9	3.23 82	5/16 - 24	2.35 59.7	1.88 47.0	ZALUI6-x-LK ZAMUI6-x-LK	2.48 63	ZALUI6-x-04-LK
1.3	2.68 66	0.56 14	3.25 80	3/8 - 24	ZALUJ6-x ZAMUJ6-x	1.4	2.75 69.9	.63 15.9	3.40 86	5/16 - 24	2.53 64.5	2.12 53.8	ZALUJ6-x-LK ZAMUJ6-x-LK	2.72 69	ZALUJ6-x-04-LK
3.0	2.88 71	0.75 18	4 98	1/2 - 20	ZALUK6-x ZAMUK6-x	2.2	2.88 73.2	.75 19.1	3.85 97.8	3/8 - 24	2.85 72.4	2.13 53.3	ZALUK6-x-LK ZAMUK6-x-LK	2.73 69	ZALUK6-x-04-LK
2.2	2.88 71	0.75 18	4 98	1/2 - 20	ZALUL6-x	2.3	2.88 73.2	.75 19.1	4.13 105	3/8 - 24	3.14 79.8	2.13 53.3	ZALUL6-x-LK	2.73 69	ZALUL6-x-04-LK
3.0	3.16 77	0.75 18	4.50 110	1/2 - 20	ZALUM6-x	3.2	3.13 79.5	.75 19.1	4.45 113	3/8 - 24	3.28 83.5	2.38 59.7	ZALUM6-x-LK	3.05 60	ZALUM6-x-04-LK
3.0	3.55 90	.75 18	4.44 113	1/2 - 20	ZALUO6-x	3.2	3.53 89.7	.75 19.1	4.10 104.1	3/8 - 24	3.70 94	2.78 70.6	ZALUO6-x-LK	3.40 86.4	ZALUO6-x-04-LK

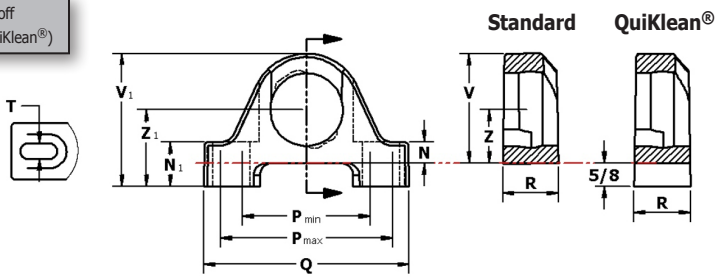


Pillow Block

Polymer or Stainless Standard Backing Height ("1" Series) and Low Backing Height ("10" Series) Pillow Block



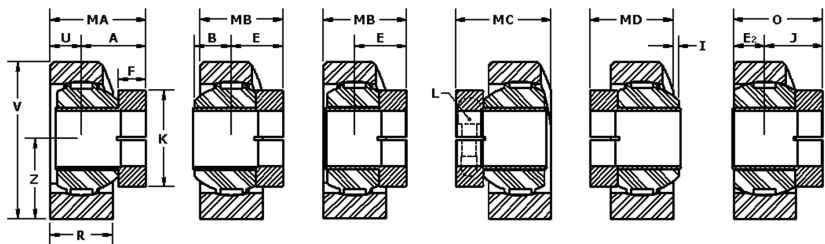
*QuiKlean® adds .625" (5/8") standoff
(Low back pillow block not available as QuiKlean®)



x = Shaft Size			mm∅ Inch∅ Ring Group	"1" Series		"10" Series		P		N	V	R		U		T	DoubleLock® Sleeve		
				Z ₁ *	p/n	Z	p/n	Q	Min			Max	KG	SS	KG		SS	Bolt size	F
mm	in	16 ^{ths}		in	KG SS	in	KG SS	in	in	in	in	in	in	in	in	in	in	in	
12	1/2	8	40	1.06 27.0	1GA 1AA	--	--	5 127.0	2.94 74.6	4.06 103.2	.44 11.1	2.25 57.2	1.25 31.8	1.13 28.6	.62 15.8	.57 14.5	3/8	.44 11.2	1.49 38
15	5/8	10	1.575 203	1.69 42.9	1GA-QK						1.06 26.9	2.87 72.9							
17	11/16	11	A																
12	1/2	8	47	1.31 33.3	1GB 1AB	1.25 31.8	10GB 10AB	5.25 133.4	3.25 82.6	4.38 111.1	.50 12.7	2.69 68.3	1.38 34.9	1.13 28.6	.57 14.5	.57 14.5	3/8	.50 12.7	1.63 41
15	5/8	10	1.850 204	1.94 49.2	1GB-QK		N/A				1.13 28.6	3.31 84.1							
17	11/16	11	B																
20	3/4	12																	
12	3/4	12	52	1.44 36.5	1GC 1AC	1.31 33.3	10GC 10AC	5.5 139.7	3.44 87.3	4.63 117.5	.56 14.3	2.94 74.6	1.50 38.1	1.13 28.6	.75 18.0	.57 14.5	3/8	.50 12.7	1.75 44
13/16	13		2.047 205	2.06 52.4	1GC-QK 1AC-QK		N/A				1.19 30.2	3.56 90.5							
7/8	14		C																
15/16	15																		
1	16		62	1.69 42.9	1GD 1AD	1.56 39.7	10GD 10AD	6.25 158.7	4.13 104.8	5.13 130.2	.69 17.5	3.38 85.7	1.75 44.5	1.50 38.1	.88 22.4	.76 19.3	1/2	.50 12.7	2.0 50
1-1/16	17		2.441 206	2.31 58.7	1GD-QK		N/A				1.31 33.3	4.0 101.6							
1-1/8	18		D																
1-3/16	19																		
1-1/4	20		72	1.88 47.6	1GE 1AE	1.81 46.0	10GE 10AE	6.56 166.7	4.69 119.1	5.44 138.1	.69 17.5	3.88 98.4	1.75 44.5	1.50 38.1	.93 23.6	.74 18.8	1/2	.50 12.7	2.25 57
1-5/16	21		2.835 207	2.50 63.5	1GE-QK		N/A				1.31 33.3	4.50 114.3							
1-3/8	22		E																
1-7/16	23																		
1	24		80	2.13 54.0	1GF 1AF	1.94 49.2	10GF 10AF	7.25 184.2	5 127.0	6.13 155.6	.75 19.1	4.31 109.5	1.94 49.2	1.63 41.3	.97 24.6	.81 20.6	1/2	.50 12.7	2.38 60
1-1/2	25		3.150 208	2.75 69.9	1GF-QK		N/A				1.38 34.9	4.94 125.4							
1-9/16	25		F																
1-5/8	26																		
1	27		85	2.13 54.0	1GG 1AG	2.06 52.4	10GG 10AG	7.44 188.9	5.31 134.9	6.31 160.3	.75 19.1	4.38 111.1	2 50.8	1.75 44.5	1.0 25.4	.86 21.8	1/2	.63 15.9	2.75 70
1-1/2	28		3.346 209																
1-11/16	28		G																
1-3/4	29																		
1	30		90	2.25 57.2	1GH 1AH	2.19 55.6	10GH 10AH	8.13 206.4	5.88 149.2	6.75 171.5	.75 19.1	4.63 117.5	2.25 57.2	2 50.8	1.1 27.9	.99 25.2	5/8	.63 15.9	3 76
1-11/16	27		3.543 210																
1-13/16	28		H																
1-7/8	30																		
1-15/16	31																		
2	32																		
1	33		100	2.50 63.5	1GI 1AI	2.44 61.9	10GI 10AI	8.88 225.4	6.38 161.9	7.50 190.5	.88 22.2	5.13 130.2	2.38 60.3	2 50.8	1.17 29.7	.99 25.2	5/8	.63 15.9	3.25 83
1-15/16	31		3.937 211																
2-1/16	33		I																
2-1/8	34																		
2-3/16	35																		
2-1/4	36																		
1	37		110	2.75 69.9	1GJ 1AJ	2.69 68.3	10GJ 10AJ	9.5 241.3	6.44 163.5	8.13 206.4	.88 22.2	5.50 139.7	2.50 63.5	2 50.8	1.25 31.2	.99 25.2	5/8	.63 15.9	3.4 86
2-3/16	35		4.331 212																
2-5/16	37		J																
2-3/8	38																		
2-7/16	39																		
1	40		125	3.0 76.2	1GK 1AK	3.13 79.4	10GK 10AK	10.75 273.1	7.44 188.9	9.13 231.8	.94 23.8	6.25 158.7	2.75 69.9	2 50.8	1.34 34.0	.99 25.2	3/4	.75 19.1	3.8 96
2-7/16	39		4.921 214																
2-1/2	40		K																
2-5/8	42																		
2-11/16	43																		
2-3/4	44																		
1	44		130	3.50 88.9	1GL 1AL	3.25 82.5	10GL 10AL	11.75 298.5	8.25 209.6	9.75 247.7	1 25.4	6.88 174.6	2.88 73.0	2 50.8	1.4 35.6	1.24 31.5	7/8	.75 19.1	4.13 105
2-11/16	43		5.118 215																
2-3/4	44		L																
2-13/16	45																		
2-7/8	46																		
2-15/16	47																		
3	48																		
1	44		140	3.50 88.9	1GM 1AM	--	--	11.75 298.5	8.25 209.6	9.75 247.7	1 25.4	6.88 174.6	2.88 73.0	2 50.8	1.4 35.6	1.24 31.5	7/8	.75 19	4.7 120
2-3/4	44		5.511 216																
2-7/8	46		M																
2-15/16	47																		
3	48																		
3-1/8	50																		
3-3/16	51																		
1	44		160	4 101.6	1AO	--	--	14 355.6	10.3 261.6	11.63 295.4	1.94 49.3	8 203.2	--	2.22 56.4	--	1.11 28.2	7/8	.75 19	4.1 104.1
2-3/4	44		6.299 218																
2-15/16	47		O																
3-1/4	52																		
3-7/16	55																		
3-1/2	56																		

Poly-Round® Solution® Pillow Block

Standard Backing Height ("1" Series) and Low Backing Height ("10" Series) Housing with Poly-Round® Spherical Bearing Insert



Sample p/n FA1AC7T-16-LK Sample p/n NA10GE7-1 1/4-LK

*QuiKlean® adds .625" (5/8") standoff						MA _{KG}	MB _{KG}	MC _{KG}	MD _{KG}	O _{KG}	Standard Poly-Round® Solution® p/n				Poly-Sphere® p/n		Narrow p/n		
A	B	E	E ₂	J	I	MA _{SS}	MB _{SS}	MC _{SS}	MD _{SS}	O _{SS}	Polymer (KG)		Stainless (SS)		Poly-Sphere® & Poly-Round® weigh same				
in	in	in	in	in	in	in	in	in	in	in	Std Assembly	Wt	Std Assembly	Wt	Poly-Round® Insert	KG Assembly	Poly-Sphere® Insert	KG Assembly	Narrow Insert
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	QK Assembly	lbs	QK Assembly	lbs	KleanCap™ DoubleLock®	SS Assembly	KleanCap™ DoubleLock®	SS Assembly	DoubleLock®
1.04	.60	.75	.46	.96	.04	1.67	1.37	1.67	1.38	1.38	--1GA7-x-LK	.4	--1AA7-x-LK	1.2	--IUAO-x	--1GA-07-x-LK	--OUAO-x	--1GA4-x-LK	--IUA3-x
26.4	15.2	19.1	11.6	24.3	1.0	42.4	34.7	42.4	35.0	35.0	1GA-QK7-x-LK	.6	1AA-QK7-x-LK	--	ZALUA6-x-LK	--100A7-x-LK	ZALUA6-x-LK	--1AA4-x-LK	ZAMUA6-x-LK
1.10	.60	.94	.52	1.02	.04	1.79	1.62	1.78	1.62	1.31	--1GB7-x-LK	.6	--1AB7-x-LK	1.6	--IUBO-x	--1GB-07-x-LK	--OUBO-x	--1GB4-x-LK	--IUB3-x
27.9	15.2	23.8	13.2	25.9	1.0	45.4	41.1	45.2	41.1	33.2	1GB-QK7-x-LK	.8	1AB-QK7-x-LK	--	ZALUB6-x-LK	--100B7-x-LK	ZALUB6-x-LK	--1AB4-x-LK	ZAMUB6-x-LK
1.16	.66	.94	.55	1.05	.10	1.91	1.69	1.91	1.69	1.62	--1GC7-x-LK	.6	--1AC7-x-LK	1.8	--IUCO-x	--1GC-07-x-LK	--OUCO-x	--1GC4-x-LK	--IUC3-x
29.5	16.8	23.8	13.9	26.7	2.6	48.5	42.9	48.5	42.9	41.1	1GC-QK7-x-LK	.8	1AC-QK7-x-LK	--	ZALUC6-x-LK	--100C7-x-LK	ZALUC6-x-LK	--1AC4-x-LK	ZAMUC6-x-LK
1.30	.80	.99	.64	1.14	.06	2.17	1.87	2.17	0.87	1.5	--1GD7-x-LK	1.0	--1AD7-x-LK	2.8	--IUDO-x	--1GD-07-x-LK	--OUDO-x	--1GD4-x-LK	--IUD3-x
32.9	20.2	25.1	16.3	29	1.6	55.1	47.4	55.1	22.0	38.1	1GD-QK7-x-LK	1.2	1AD-QK7-x-LK	--	ZALUD6-x-LK	--100D7-x-LK	ZALUD6-x-LK	--1AD4-x-LK	ZAMUD6-x-LK
1.47	.97	1	.74	1.26	.24	2.35	1.88	2.35	1.88	1.69	--1GE7-x-LK	1.2	--1AE7-x-LK	3.8	--IUEO-x	--1GE-07-x-LK	--OUEO-x	--1GE4-x-LK	--IUE3-x
37.3	24.6	25.4	18.1	32	6.0	59.6	47.7	59.6	47.7	42.9	1GE-QK7-x-LK	1.4	1AE-QK7-x-LK	--	ZALUE6-x-LK	--100E7-x-LK	ZALUE6-x-LK	--1AE4-x-LK	ZAMUE6-x-LK
1.51	1.01	1.09	.80	1.30	.19	2.48	2.06	2.48	2.06	1.5	--1GF7-x-LK	1.8	--1AF7-x-LK	5.2	--IUFO-x	--1GF-07-x-LK	--OUFO-x	--1GF4-x-LK	--IUF3-x
38.3	25.6	27.8	20.3	33	4.9	62.9	52.3	62.9	52.3	38.1	1GF-QK7-x-LK	2	1AF-QK7-x-LK	--	ZALUF6-x-LK	--100F7-x-LK	ZALUF6-x-LK	--1AF4-x-LK	ZAMUF6-x-LK
1.69	1.07	1.22	.80	1.46	.21	2.69	2.22	2.69	2.22	0.87	--1GG7-x-LK	2.4	--1AG7-x-LK	5.4	--IUGO-x	--1GG-07-x-LK	--OUGO-x	--1GG4-x-LK	--IUG3-x
43.0	27.2	31	21.9	37	5.3	68.3	56.3	68.3	56.3	22.0	1GG-QK7-x-LK	2.2	1AG-QK7-x-LK	--	ZALUG6-x-LK	--100G7-x-LK	ZALUG6-x-LK	--1AG4-x-LK	ZAMUG6-x-LK
1.69	1.07	1.22	.83	1.48	.08	2.94	2.47	2.94	2.47	1.73	--1GH7-x-LK	2.4	--1AH7-x-LK	7.2	--IUHO-x	--1GH-07-x-LK	--OUHO-x	--1GH4-x-LK	--IUH3-x
43.0	27.2	31	21.1	37.6	2.1	74.6	62.7	74.6	62.7	43.9	1GH-QK7-x-LK	2.2	1AH-QK7-x-LK	--	ZALUH6-x-LK	--100H7-x-LK	ZALUH6-x-LK	--1AH4-x-LK	ZAMUH6-x-LK
1.85	1.22	1.25	.93	1.58	.24	3.04	2.44	3.04	2.44	1.88	--1GI7-x-LK	3.4	--1AI7-x-LK	10.0	--IUIO-x	--1GI-07-x-LK	--OUIO-x	--1GI4-x-LK	--IUI3-x
47.0	31.1	31.8	23.6	40.1	6.1	77.2	61.9	77.2	61.9	7.7	1GI-QK7-x-LK	3.4	1AI-QK7-x-LK	--	ZALUI6-x-LK	--100I7-x-LK	ZALUI6-x-LK	--1AI4-x-LK	ZAMUI6-x-LK
2.06	1.44	1.28	1.05	1.70	.45	3.31	2.53	3.31	2.53	1.74	--1GJ7-x-LK	4.0	--1AJ7-x-LK	12.0	--IUJO-x	--1GJ-07-x-LK	--OUJO-x	--1GJ4-x-LK	--IUJ3-x
52.4	36.5	32.5	26.7	43.2	11.5	84.0	64.2	84.0	64.2	44.1	1GJ-QK7-x-LK	3.6	1AJ-QK7-x-LK	--	ZALUJ6-x-LK	--100J7-x-LK	ZALUJ6-x-LK	--1AJ4-x-LK	ZAMUJ6-x-LK
2.10	1.35	1.50	1.05	1.83	.37	3.48	2.88	3.48	2.88	2.06	--1GK7-x-LK	5.4	--1AK7-x-LK	12.7	--IUKO-x	--1GK-07-x-LK	--OUKO-x	--1GK4-x-LK	--IUK3-x
53.3	34.3	38.1	26.7	46.5	9.3	88.3	73.1	88.3	73.1	52.3	1GK-QK7-x-LK	5.4	1AK-QK7-x-LK	--	ZALUK6-x-LK	--100K7-x-LK	ZALUK6-x-LK	--1AK4-x-LK	ZAMUK6-x-LK
2.04	1.29	1.56	1.05	1.83	.05	3.48	3	3.48	3	1.91	--1GL7-x-LK	7.4	--1AL7-x-LK	19	--IULO-x	--1GL-07-x-LK	--OULO-x	--	--
51.8	32.7	39.7	26.7	46.5	1.3	88.3	76.2	88.3	76.2	48.5	1GL-QK7-x-LK	5.4	1AL-QK7-x-LK	--	ZALUL6-x-LK	--100L7-x-LK	ZALUL6-x-LK	--	--
2.26	1.51	1.59	1.18	1.93	.28	3.50	2.83	3.5	2.83	3.16	--1GM7-x-LK	7.2	--1AM7-x-LK	19.2	--IUMO-x	--1GM-07-x-LK	--OUMO-x	--	--
57.4	38.4	40.4	29.9	49	7.0	88.8	71.8	88.8	71.8	80.26	1GM-QK7-x-LK	3.70	1AM-QK7-x-LK	--	ZALUM6-x-LK	--	ZALUM6-x-LK	--	--
2.3	1.2	1.95	1.38	2.13	.44	3.41	3.06	3.41	3.06	3.24	--	--	--	--	--IUOO-x	--	--OUOO-x	--	--
58.4	53.3	49.5	35.1	54.1	11.3	86.7	77.6	86.7	77.7	82.2	3.74	1A07-x-LK	27.2	ZALUO6-x-LK	--	ZALUO6-x-LK	--	--	--



Tapped Base Pillow Block

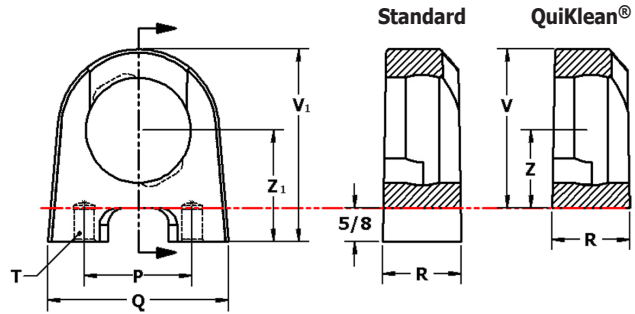
Polymer or Stainless "9" Series Tapped Block



Sample p/n 9AE-QK



Sample p/n 9GE

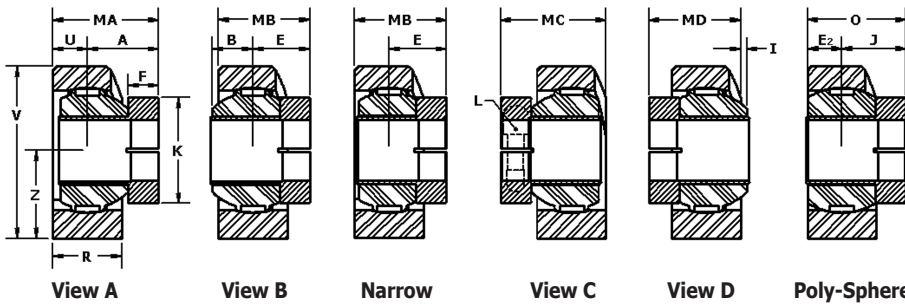


*QuiKlean® adds .625" (5/8") standoff

x = Shaft Size			mm∅ Inch∅ Ring Group	Stainless (SS)			Polymer (KG)			P	T	Q	U		DoubleLock® Sleeve		
				R	V	V1*	R	V	Z				KG	SS	F	K	
mm	in	16ths	Housing p/n	in mm	in mm	Housing p/n	in mm	in mm	in mm	Unc thread	in mm	in mm	in mm	in mm	in mm	in mm	
12	1/2	8	9AA	1.13	2.46	9GA	1.12	2.46	1.31	2 50.8	3/8 - 16	3 76.2	.56 14.2	.56 14.2	.44 11.2	1.49 38	
	9/16	9	9AA-QK	28.6	61.1	9GA-QK	28.4	62.5	33.3								
	5/8	10			3.08			3.25	1.94								
	11/16	11			78.2			82.6	49.2								
12	1/2	8	9AB	1.13	2.58	9GB	1.12	2.58	1.31	2 50.8	3/8 - 16	3.07 78.0	.56 14.2	.56 14.2	.50 12.7	1.63 41	
	9/16	9	9AB-QK	28.6	64.3	9GB-QK	28.4	66.7	33.3								
	5/8	10			3.2			3.2	1.94								
	11/16	11			81.3			81.3	49.2								
	3/4	12	9AC	1.13	2.94	9GC	1.14	2.94	1.44	2 50.8	3/8 - 16	3 76.2	.56 14.2	.56 14.2	.50 12.7	1.75 44	
	13/16	13	9AC-QK	28.6	74.6	9GC-QK	28.9	74.6	36.5								
	7/8	14			3.45			3.45	2.06								
	15/16	15			90.5			90.5	52.4								
	1	16	9AD	1.5	3.25	9GD	1.63	3.38	1.69	3 76.2	7/16 - 14	4.25 108.0	.81 20.6	.74 18.8	.50 12.7	2 50	
	1-1/16	17	9AD-QK	38.1	82.5	9GD-QK	41.3	85.7	42.9								
	1-1/8	18			4			4	2.31								
	1-3/16	19			101.6			101.6	58.7								
	1-1/4	20	9AE	1.5	3.69	9GE	1.75	3.88	1.875	3.25 82.6	1/2 - 13	4.5 114.3	.88 22.4	.74 18.8	.50 12.7	2.25 57	
	1-1/4	20	9AE-QK	38.1	93.7	9GE-QK	44.5	98.4	47.6								
	1-5/16	21			4.3			4.5	2.5								
	1-3/8	22			109.2			114.3	63.5								
	1-7/16	23	9AF	1.63	4.12	9GF	1.88	4.13	1.94	3.5 88.9	1/2 - 13	4.75 120.7	.93 23.6	.81 20.6	.50 12.7	2.38 60	
	1-1/2	24	9AF-QK	41.3	104.8	9GF-QK	47.6	104.8	49.2								
	1-9/16	25			4.75			4.75	2.56								
	1-5/8	26			120.6			120.6	65.1								
	1-1/2	24	9AG	1.75	4-1/4	9GG	2	4.38	2.12	3.75 95.3	1/2 - 13	5.25 133.4	.98 24.9	.86 21.8	.63 15.9	2.75 70	
	1-5/8	26	9AG-QK	44.5	108.0	9GG-QK	50.8	111.1	54.0								
	1-11/16	27															
	1-3/4	28															
	1-11/16	27	9AH	2	4-1/2	9GH	2.12	4.75	2.25	4 101.6	5/8 - 11	5.75 146.1	1.1 28.0	.98 25.0	.63 15.9	3 76	
	1-3/4	28	9AH-QK	50.8	114.3	9GH-QK	54	120.7	57.2								
	1-13/16	29															
	1-7/8	30															
	1-15/16	31															
	2	32															
	1-15/16	31	9AI	2	4-23/32	9GI	5.75	4.88	2.25	4 101.6	5/8 - 11	5.75 146.1	1.1 28.0	.98 25.0	.63 15.9	3.25 83	
	2	32	9AI-QK	50.8	119.9	9GI-QK	146.1	123.8	57.2								
	2-1/16	33															
	2-1/8	34															
	2-3/16	35															
	2-1/4	36															
	2-3/16	35	9AJ	2	5-3/8	--	--	--	2.75	4.25 108.0	5/8 - 11	6.5 165.1	1.1 28.0	.98 25.0	.63 15.9	3.4 86	
	2-1/4	36	9AJ-QK	50.8	136.5				69.9								
	2-5/16	37															
	2-3/8	38															
	2-7/16	39															
	2-7/16	39	9AK	2	6-1/16	--	--	--	3	5 127.0	3/4 - 10	7.5 190.5	1.1 28.0	.98 25.0	.75 19.1	3.8 96	
	2-1/2	40	9AK-QK	50.8	154.0				76.2								
	2-5/8	42															
	2-11/16	43															
	2-3/4	44															
	2-11/16	43	9AL	2	6-3/4	--	--	--	3.5	5.25 133.4	7/8 - 9	8 203.2	1.1 28.0	.98 25.0	.75 19.1	4.13 105	
	2-3/4	44	9AL-QK	50.8	171.5				88.9								
	2-13/16	45															
	2-7/8	46															
	2-15/16	47															
	3	48															

Poly-Round® Solution® Tapped Base Pillow Block

"9" series Housing with Poly-Round® Spherical Bearing Insert



Sample p/n
NA9GC7-16-LK



Sample p/n
QF9AC7-16-LK

*QuiKlean® adds .625" (5/8") standoff

						MA _{KG}	MB _{KG}	MC _{KG}	MD _{KG}	O _{KG}	Standard Poly-Round® Solution® p/n				Poly-Sphere® p/n		Narrow p/n		
						MA _{SS}	MB _{SS}	MC _{SS}	MD _{SS}	O _{SS}	Poly-Round® Insert	Polymer (KG)		Stainless (SS)		Poly-Sphere® & Poly-Round® weigh same		Narrow Insert KleanCap™ DoubleLock®	
A	B	E	E ₂	J	I	in	in	in	in	in		Std Assembly	Wt lbs	Assembly	Wt lbs	KG Assembly	Poly-Sphere® Insert KleanCap™ DoubleLock®		KG Assembly
in	in	in	in	in	in	in	in	in	in	in	DoubleLock®	QK Assembly							
1.04 26.4	.60 15.2	.75 19.1	.46 11.6	.96 24.3	.04 1.0	1.66 42.2	1.37 34.9	1.66 42.2	1.37 34.9	1.52 38.6	__IUA0-x	__9GA7-x-LK	.4	__9AA7-x-LK	1.2	__9GA-07-x-LK	__OUAO-x	__9GA4-x-LK	__IUA3-x
						1.60 40.7	1.31 33.3	1.60 40.7	1.31 33.3	1.45 37.0	ZALUA6-x-LK	__9GA-QK7-x-LK	.5			__9OA7-x-LK	ZALUA6-x-LK	__9AA4-x-LK	ZAMUA6-x-LK
1.10 27.9	.60 15.2	.94 23.8	.52 13.2	1.02 25.9	.04 1.0	1.78 45.2	1.61 41.0	1.78 45.2	1.61 41.0	1.69 43.1	__IUB0-x	__9GB7-x-LK	.4	__9AB7-x-LK	1.4	__9GB-07-x-LK	__OUB0-x	__9GB4-x-LK	__IUB3-x
						1.66 42.2	1.50 38.1	1.66 42.2	1.50 38.1	1.58 40.1	ZALUB6-x-LK	__9GB-QK7-x-LK	.6			__9OB7-x-LK	ZALUB6-x-LK	__9AB4-x-LK	ZAMUB6-x-LK
1.16 29.5	.66 16.8	.94 23.8	.55 13.9	1.05 26.7	.10 2.6	1.91 48.5	1.68 42.8	1.91 48.5	1.68 42.8	1.8 45.7	__IUC0-x	__9GC7-x-LK	.4	__9AC7-x-LK	1.4	__9GC-07-x-LK	__OUC0-x	__9GC4-x-LK	__IUC3-x
						1.72 43.8	1.50 38.1	1.72 43.8	1.50 38.1	1.61 40.9	ZALUC6-x-LK	__9GC-QK7-x-LK	.6			__9OC7-x-LK	ZALUC6-x-LK	__9AC4-x-LK	ZAMUC6-x-LK
1.30 32.9	.80 20.2	.99 25.1	.64 16.3	1.14 29	.06 1.6	2.17 55.1	1.86 47.3	2.17 55.1	1.86 47.3	2.01 51.2	__IUD0-x	__9GD7-x-LK	.8	__9AD7-x-LK	2.4	__9GD-07-x-LK	__OUDO-x	__9GD4-x-LK	__IUD3-x
						2.03 51.6	1.72 43.8	2.03 51.6	1.72 43.8	1.87 47.7	ZALUD6-x-LK	__9GD-QK7-x-LK	1.0			__9OD7-x-LK	ZALUD6-x-LK	__9AD4-x-LK	ZAMUD6-x-LK
1.47 37.3	.97 24.6	1 25.4	.74 18.1	1.26 32	.24 6.0	2.34 59.5	1.87 47.6	2.34 59.5	1.87 47.6	2.11 53.5	__IUE0-x	__9GE7-x-LK	1.2	__9AE7-x-LK	3	__9GE-07-x-LK	__OUE0-x	__9GE4-x-LK	__IUE3-x
						2.20 56.0	1.73 44.0	2.20 56.0	1.73 44.0	1.97 50.0	ZALUE6-x-LK	__9GE-QK7-x-LK	1.4	__9AE-QK7-x-LK	4	__9OE7-x-LK	ZALUE6-x-LK	__9AE4-x-LK	ZAMUE6-x-LK
1.51 38.3	1.01 25.6	1.09 27.8	.80 20.3	1.30 33	.19 4.9	2.47 62.8	2.06 52.4	2.47 62.8	2.06 52.4	2.26 57.6	__IUF0-x	__9GF7-x-LK	1.6	__9AF7-x-LK	4	__9GF-07-x-LK	__OUF0-x	__9GF4-x-LK	__IUF3-x
						2.31 58.8	1.90 48.4	2.31 58.8	1.90 48.4	2.11 53.6	ZALUF6-x-LK	__9GF-QK7-x-LK	1.9			__9OF7-x-LK	ZALUF6-x-LK	__9AF4-x-LK	ZAMUF6-x-LK
1.69 43	1.07 27.2	1.22 31.0	.80 21.9	1.46 37	.21 5.3	2.69 68.4	2.21 56.3	2.69 68.4	2.21 56.3	2.45 62.4	__IUG0-x	__9GG7-x-LK	2.2	__9AG7-x-LK	6.4	__9GG-07-x-LK	__OUG0-x	__9GG4-x-LK	__IUG3-x
						2.55 64.8	2.07 52.8	2.55 64.8	2.07 52.8	2.31 58.8	ZALUG6-x-LK	__9GG-QK7-x-LK				__9OG7-x-LK	ZALUG6-x-LK	__9AG4-x-LK	ZAMUG6-x-LK
1.69 43	1.07 27.2	1.22 31.0	.83 21.1	1.48 37.6	.08 2.1	2.94 74.7	2.46 62.7	2.94 74.7	2.46 62.7	2.70 68.7	__IUH0-x	__9GH7-x-LK	2.2	__9AH7-x-LK	6.2	__9GH-07-x-LK	__OUH0-x	__9GH4-x-LK	__IUH3-x
						2.67 68.0	2.20 55.9	2.67 68.0	2.20 55.9	2.44 62.0	ZALUH6-x-LK	__9GH-QK7-x-LK				__9OH7-x-LK	ZALUH6-x-LK	__9AH4-x-LK	ZAMUH6-x-LK
1.85 47.0	1.22 31.1	1.25 31.8	.93 23.6	1.58 40.1	.24 6.1	3.03 77.1	2.43 61.9	3.03 77.1	2.43 61.9	2.73 69.5	__IUI0-x	__9GI7-x-LK	2.7	__9AI7-x-LK	6.8	__9GI-07-x-LK	__OUI0-x	__9GI4-x-LK	__IUI3-x
						2.83 72.0	2.23 56.7	2.83 72.0	2.23 56.7	2.53 64.3	ZALUI6-x-LK	__9GI-QK7-x-LK				__9OI7-x-LK	ZALUI6-x-LK	__9AI4-x-LK	ZAMUI6-x-LK
2.06 52.4	1.44 36.5	1.28 32.5	1.05 26.7	1.70 43.2	.45 11.5	3.31 84.1	2.53 64.2	3.31 84.1	2.53 64.2	2.92 74.2	__IUJO-x	--	--	__9AJ7-x-LK	8.6	__9OJ7-x-LK	__OUJO-x	__9AJ4-x-LK	__IUJ3-x
						3.04 77.4	2.26 57.5	3.04 77.4	2.26 57.5	2.65 67.4	ZALUJ6-x-LK					__9OJ-QK7-x-LK	ZALUJ6-x-LK		ZAMUJ6-x-LK
2.10 53.3	1.35 34.3	1.50 38.1	1.05 26.7	1.83 46.5	.37 9.3	3.47 88.2	2.87 73.0	3.47 88.2	2.87 73.0	3.17 80.6	__IUK0-x	--	--	__9AK7-x-LK	12.3	__9OK7-x-LK	__OUKO-x	__9AK4-x-LK	__IUK3-x
						3.08 78.3	2.48 63.1	3.08 78.3	2.48 63.1	2.78 70.7	ZALUK6-x-LK					__9OK-QK7-x-LK	ZALUK6-x-LK		ZAMUK6-x-LK
2.04 51.8	1.29 32.7	1.56 39.7	1.05 26.7	1.83 46.5	.05 1.3	3.47 88.2	3 76.2	3.47 88.2	3 76.2	3.23 82.2	__IULO-x	--	--	__9AL7-x-LK	14.3	__9OL7-x-LK	__OULO-x	__9AL4-x-LK	__IUL3-x
						3.27 83.1	2.79 71.0	3.27 83.1	2.79 71.0	3.03 77.0	ZALUL6-x-LK					__9OL-QK7-x-LK	ZALUL6-x-LK		ZAMUL6-x-LK



2-Bolt Flange

Polymer or Stainless "2" Series Flange Housing

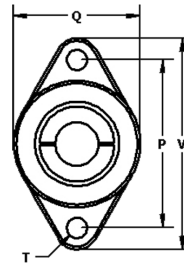


Sample p/n 2AE

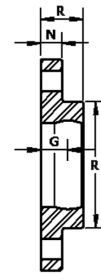


Sample p/n 2GC-QK

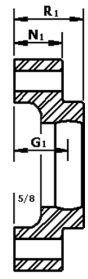
*QuiKlean® adds .625" (5/8") standoff & LTB



Poly-Round®



Standard

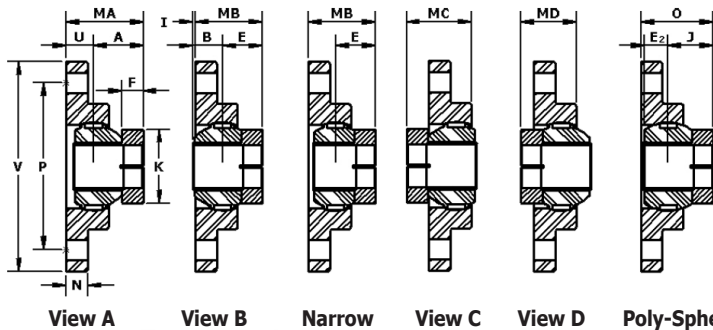


QuiKlean®

x = Shaft Size			mm Inch Ring Group	Stainless (SS)		Polymer (KG)		P	V	T	G	R	N	DoubleLock® Sleeve		
				Housing p/n	Q	Housing p/n	Q				G ₁ *	R ₁ *	N ₁ *	F	K	
mm	in	16ths		in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm		
12	1/2	8	40 1.575 203 A	2AA	2.15	2GA	2.15	3	3.88	3/8	.53	.85	.44	.44	1.49	
15	9/16	9		2AA-QK	54.6	2GA-QK	54.6	76.2	98.4	1.15	1.48	1.06	11.2			38
17	11/16	11														
12	1/2	8	47 1.850 204 B	2AB	2.42	2GB	2.69	3.53	4.41	3/8	.59	.95	.44	.50	1.63	
15	5/8	10		2AB-QK	61.5	2GB-QK	68.3	89.7	112	1.22	1.56	1.06	12.7			41
17	11/16	11														
20	3/4	12														
12	3/4	12	52 2.047 205 C	2AC	2.66	2GC	2.94	3.89	4.89	7/16	.63	1	.50	.50	1.75	
13	7/8	13		2AC-QK	67.5	2GC-QK	74.6	98.8	124.2	1.26	1.62	1.12	12.7			44
15	15/16	15														
25	1	16														
1	1-1/16	17	62 2.441 206 D	2AD	3.12	2GD	3.63	4.6	5.69	7/16	.66	1.06	.50	.50	2	
17	1-1/8	18		2AD-QK	79.4	2GD-QK	92.1	116.7	142.1	1.29	1.68	1.12	12.7			50
19	1-1/4	20														
30	1-3/16	19														
1-1/4	20		72 2.835 207 E	2AE	3.62	2GE	4	5.12	6.25	1/2	.79	1.22	.56	.50	2.25	
15	1-5/16	21		2AE-QK	92.1	2GE-QK	101.6	130.2	158.7	1.42	1.84	1.18	12.7			57
17	1-3/8	22														
35	1-7/16	23														
1-7/16	23		80 3.150 208 F	2AF	4	2GF	4.56	5.66	6.78	1/2	.76	1.24	.56	.50	2.38	
1-1/2	24			2AF-QK	101.6	2GF-QK	115.9	143.7	172.2	1.39	1.68	1.18	12.7			60
1-9/16	25															
40	1-5/8	26														
1-1/2	24		85 3.346 209 G	2AG	4.25	2GG	4.75	5.84	6.97	1/2	.76	1.24	.63	.63	2.75	
1-5/8	26			2AG-QK	108.0	2GG-QK	120.7	148.4	177.0	1.39	1.68	1.18	15.9			70
1-11/16	27															
45	1-3/4	28														
1-11/16	27		90 3.543 210 H	2AH	4.56	2GH	5.06	6.19	7.31	1/2	.77	1.24	.63	.63	3	
1-3/4	28			2AH-QK	115.9	2GH-QK	128.6	157.2	185.7	1.39	1.68	1.18	15.9			76
1-13/16	29															
50	1-7/8	30														
1-15/16	31															
2	32															
1-15/16	31		100 3.937 211 I	2AI	5.06	2GI	5.88	7.25	8.63	5/8	.92	1.47	.69	.63	3.25	
2	32			2AI-QK	128.6	2GI-QK	149.2	184.2	219.1	1.07	1.65	1.18	15.9			83
2-1/16	33															
55	2-1/8	34														
2-3/16	35															
2-1/4	36															
2-3/16	35		110 4.331 212 J	2AJ	5.62	2GJ	6.56	7.95	9.33	5/8	1.07	1.65	.69	.63	3.4	
2-1/4	36			2AJ-QK	142.9	2GJ-QK	161.9	202.0	236.9	1.25	1.87	1.18	15.9			86
2-5/16	37															
60	2-3/8	38														
2-7/16	39															
2-1/2	40															
2-5/8	42															
70	2-11/16	43														
2-3/4	44															
2-7/16	39		125 4.921 214 K	2AK	6.44	2GK	6.94	8.31	9.69	5/8	1.25	1.87	.75	.75	3.8	
2-1/2	40			2AK-QK	163.5	2GK-QK	176.2	211.1	246.1	1.38	2	1.25	19.1			96
2-5/8	42															
75	2-11/16	43														
2-3/4	44															
2-13/16	45															
2-7/8	46															
2-15/16	47															
3	48															
2-11/16	43		130 5.118 215 L	2AL	6.5	2GL	6.94	8.5	10.13	3/4	1.38	2	.75	.75	4.13	
2-3/4	44			2AL-QK	165.1	2GL-QK	176.2	215.9	257.2	1.5	2	1.25	19.1			105
2-13/16	45															
2-7/8	46															
2-15/16	47															
3	48															

Poly-Round® Solution® 2-Bolt Flange

"2" Series Housing with Poly-Round® Spherical Bearing Insert



Sample p/n NA2GC7-16-LK



Sample p/n FA2AC7-16-LK

QuiKlean® adds .625" (5/8") standoff & LTB							MA-KG	MB-KG*	O-KG*	MC-KG	MD-KG	Standard Poly-Round® Solution® p/n		Poly-Sphere® p/n		Narrow p/n			
U	A	B	E	E2	J	I	MA-SS*	MB-SS*	O-SS*	MC-SS	MD-SS	Poly-Round® Insert	Polymer (KG)	Stainless (SS)	Poly-Sphere® & Poly-Round® weigh same		Narrow Insert		
in	in	in	in	in	in	in	in	in	in	in	in	Std Assembly	Wt lbs	Std Assembly	Wt lbs	KG Assembly	Insert KleanCap™ DoubleLock®	KG Assembly	
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	QK Assembly		QK Assembly		SS Assembly		SS Assembly	
.53 13.5	1.04 26.4	.60 15.2	.75 19.1	0.46 11.6	.96 24.3	.03 .7	1.56 39.8	1.28 32.5	1.42 36.1	1.35 34.5	1.07 27.2	__IUAO-x ZALUA6-x-LK	__2GA7-x-LK 2GA-QK7-LK	.3 .4	__2AA7-x-LK	__2GA-07-x-LK __2OA7-x-LK	__OUAO-x ZALUA6-x-LK	__2GA4-x-LK __2AA4-x-LK	__IUA3-x ZAMUA6-x-LK
.60 15.2	1.10 27.9	.60 15.2	.94 23.8	0.52 13.2	1.02 25.9	0	1.69 43.0	1.53 38.9	1.61 40.9	1.45 36.9	1.29 32.8	__IUBO-x ZALUB6-x-LK	__2GB7-x-LK __2GB-QK7-x-LK	.4 .6	__2AB7-x-LK	__2GB-07-x-LK __2OB7-x-LK	__OUBO-x ZALUB6-x-LK	__2GB4-x-LK __2AB4-x-LK	__IUB3-x ZAMUB6-x-LK
.64 16.3	1.16 29.5	.66 16.8	.94 23.8	.55 13.9	1.05 26.7	0	1.79 45.6	1.57 39.9	1.68 42.7	1.51 38.5	1.29 32.8	__IUCO-x ZALUC6-x-LK	__2GC7-x-LK __2GC-QK7-x-LK	.4 .6	__2AC7-x-LK __2AC-QK7-x-LK	__2GC-07-x-LK __2OC7-x-LK	__OUCO-x ZALUC6-x-LK	__2GC4-x-LK __2AC4-x-LK	__IUC3-x ZAMUC6-x-LK
.66 16.8	1.30 32.9	.80 20.2	.99 25.1	.64 16.3	1.14 29	.02 .5	1.95 49.6	1.64 41.8	1.80 45.7	1.70 43.3	1.39 35.5	__IUDO-x ZALUD6-x-LK	__2GD7-x-LK __2GD-QK7-x-LK	.6 .8	__2AD7-x-LK	__2GD-07-x-LK __2OD7-x-LK	__OUDO-x ZALUD6-x-LK	__2GD4-x-LK __2AD4-x-LK	__IUD3-x ZAMUD6-x-LK
.80 20.3	1.47 37.3	.97 24.6	1 25.4	.74 18.1	1.26 32	.04 13.9	2.26 57.4	1.79 45.5	2.02 51.4	1.90 48.2	1.43 36.3	__IUEO-x ZALUE6-x-LK	__2GE7-x-LK __2GE-QK7-x-LK	1 1	__2AE7-x-LK	__2GE-07-x-LK __2OE7-x-LK	__OUEO-x ZALUE6-x-LK	__2GE4-x-LK __2AE4-x-LK	__IUE3-x ZAMUE6-x-LK
.80 20.3	1.51 38.3	1.01 25.6	1.09 27.8	.80 20.3	1.30 33	.04 13.9	2.27 57.7	1.86 47.2	2.06 52.5	1.97 50.2	1.56 39.7	__IUF0-x ZALUF6-x-LK	__2GF7-x-LK __2GF-QK7-x-LK	1.4 1.4	__2AF7-x-LK	__2GF-07-x-LK __2OF7-x-LK	__OUFO-x ZALUF6-x-LK	__2GF4-x-LK __2AF4-x-LK	__IUF3-x ZAMUF6-x-LK
.78 19.8	1.69 43	1.07 27.2	1.22 31	.80 21.9	1.46 37	.09 2.3	2.45 62.3	1.98 50.3	2.21 56.3	2.17 55.1	1.69 43.1	__IUGO-x ZALUG6-x-LK	__2GG7-x-LK	2	__2AG7-x-LK	__2GG-07-x-LK __2OG7-x-LK	__OUGO-x ZALUG6-x-LK	__2GG4-x-LK __2AG4-x-LK	__IUG3-x ZAMUG6-x-LK
.78 19.8	1.69 43.0	1.07 27.2	1.22 31	.83 21.1	1.48 37.6	.10 2.5	2.46 62.5	1.98 50.5	2.22 56.5	2.16 54.9	1.68 42.9	__IUHO-x ZALUH6-x-LK	__2GH7-x-LK	2.2	__2AH7-x-LK	__2GH-07-x-LK __2OH7-x-LK	__OUHO-x ZALUH6-x-LK	__2GH4-x-LK __2AH4-x-LK	__IUH3-x ZAMUH6-x-LK
.93 23.6	1.85 47.0	1.22 31.1	1.25 31.8	.93 23.6	1.58 40.1	.05 1.31	2.77 70.4	2.17 55.2	2.47 62.8	2.39 60.9	1.79 45.6	__IUIO-x ZALUI6-x-LK	__2GI7-x-LK	3	__2AI7-x-LK	__2GI-07-x-LK __2OI7-x-LK	__OUIO-x ZALUI6-x-LK	__2GI4-x-LK __2AI4-x-LK	__IUI3-x ZAMUI6-x-LK
1.1 27.9	2.06 52.4	1.44 36.5	1.28 32.5	1.05 26.7	1.70 43.2	.22 5.6	3.13 79.5	2.34 59.6	2.74 69.5	2.65 67.4	1.87 47.5	__IUJO-x ZALUJ6-x-LK	__2GJ7-x-LK	3.6	__2AJ7-x-LK	__2GJ-07-x-LK __2OJ7-x-LK	__OUJO-x ZALUJ6-x-LK	__2GJ4-x-LK __2AJ4-x-LK	__IUJ3-x ZAMUJ6-x-LK
1.24 31.5	2.10 53.3	1.35 34.3	1.50 38.1	1.05 26.7	1.83 46.5	.11 2.8	3.35 85.0	2.75 69.8	3.05 77.4	2.71 68.8	2.11 53.5	__IUKO-x ZALUK6-x-LK	__2GK7-x-LK	4	__2AK7-x-LK	__2GK-07-x-LK __2OK7-x-LK	__OUKO-x ZALUK6-x-LK	__2GK4-x-LK __2AK4-x-LK	__IUK3-x ZAMUK6-x-LK
1.38 35.0	2.04 51.8	1.29 32.7	1.56 39.7	1.05 26.7	1.83 46.5	0	3.42 86.9	2.94 74.8	3.18 80.9	2.63 66.8	2.15 54.7	__IULO-x ZALUL6-x-LK	__2GL7-x-LK	4.4	__2AL7-x-LK	__2GL-07-x-LK __2OL7-x-LK	__OULO-x ZALUL6-x-LK	__2GL4-x-LK __2AL4-x-LK	__IUL3-x ZAMUL6-x-LK

Small Pattern 2-Bolt Flange

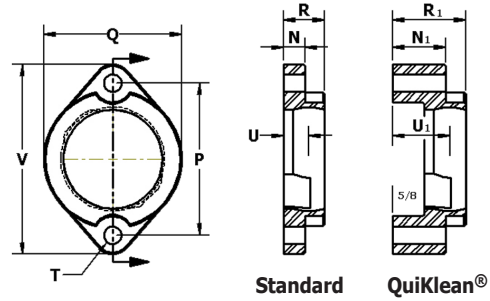
Polymer or Stainless "6" Series Small Pattern 2-Bolt Housing



Sample p/n 6AB



Sample p/n 6GB



Standard

QuikClean®

*QuikClean® adds .625" (5/8") standoff & LTB

x = Shaft Size			mm∅ Inch∅ Ring Group	Stainless (SS) Housing p/n	Polymer (KG) Housing p/n	P	V	T	R	N	Z	Q	N	DoubleLock® Sleeve	
mm	in	16 ^{ths}							R _t *	N _t *	Z _t *			F	K
12	1/2	8	40	6AA	6GA	2.5 63.5	3.18 81.0	1/4	.69	.38	.42	2.09 53.2	.44 11.2	.44 11.2	1.49 38
15	9/16	9	1.575												
17	5/8	10	203						A						
12	1/2	8	47	6AB	6GB	2.81 71.4	3.56 90.5	5/16	.87	.42	.50	2.42 61.4	.50 12.7	.50 12.7	1.63 41
15	9/16	9	1.850												
17	5/8	10	204						B						
20	3/4	12	204						B						
3/4	12	13	52	6AC	6GC	3 76.2	3.75 95.2	5/16	.81	.42	.50	2.72 69.1	.50 12.7	.50 12.7	1.75 44
13/16	13	14	205												
7/8	14	15	205						C						
25	15/16	15	205	C											
1	16	16	62	6AD	6GD	3.56 90.5	4.43 112.7	3/8	.96	.46	.56	3.09 78.6	.56 14.2	.50 12.7	2 50
1-1/16	17	18	2.441												
1-1/8	18	19	206						D						
1-3/16	19	20	206						D						
1-1/4	20	20	206	D											
1-3/16	19	19	72	6AE	6GE	3.94 100.0	4.74 125.4	3/8	.84	.50	.56	3.50 88.9	.56 14.2	.50 12.7	2.25 57
1-1/4	20	20	2.835												
1-5/16	21	21	207	E											
1-3/8	22	22	207	E											
1-7/16	23	23	207	E											
35	1-7/16	23	207	E											
				6AE-QK	6GE-QK				1.5	1.12	1.18				
									38.1	28.5	30.2				

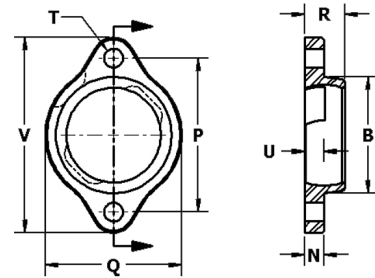
Piloted 2-Bolt Flange

Stainless "6-SP" Series Piloted Small Pattern 2-Bolt Housing



Sample p/n 6AB-SP

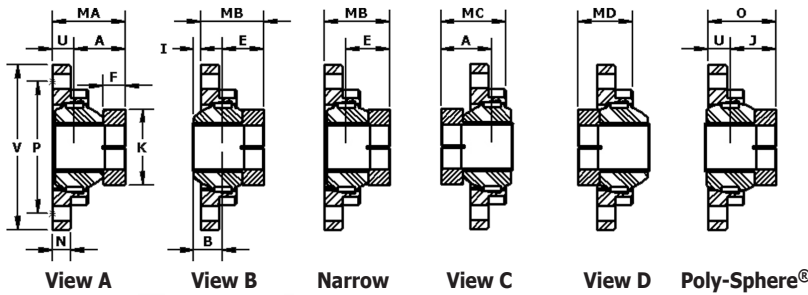
Round bolt holes are standard.
*Square bolt holes are available.
If required, please call for price and lead time.



x = Shaft Size			mm∅ Inch∅ Ring Group	Stainless (SS) Housing p/n	P	V	T	R	N	Q	B	DoubleLock® Sleeve	
mm	in	16 ^{ths}										F	K
12	1/2	8	47	6AB-SP	2.81 71.4	3.56 90.5	5/16	.73 18.5	.35 8.9	2.50 63.5	2.12 53.8	.50 12.7	1.63 41
15	9/16	9	1.850										
17	5/8	10	204										
20	3/4	12	204										
3/4	12	13	52	6AC-SP	3 76.2	3.75 95	5/16	.78 19.8	.42 10.7	2.72 69.1	2.34 59.4	.50 12.7	1.75 44
13/16	13	14	205										
7/8	14	15	205										
25	15/16	15	205	C									
1	16	16	62	6AC-SP-Q*	3 76.2	3.75 95	5/16	.78 19.8	.42 10.7	2.72 69.1	2.34 59.4	.50 12.7	1.75 44
1-1/16	17	18	2.441										
1-1/8	18	19	206	D									
1-3/16	19	20	206	D									
1-1/4	20	20	206	D									

Poly-Round® Solution® Small Pattern 2-Bolt Flange

“6” Series Housing with Poly-Round® Spherical Bearing Insert



Sample p/n NA6AC7-1-LK



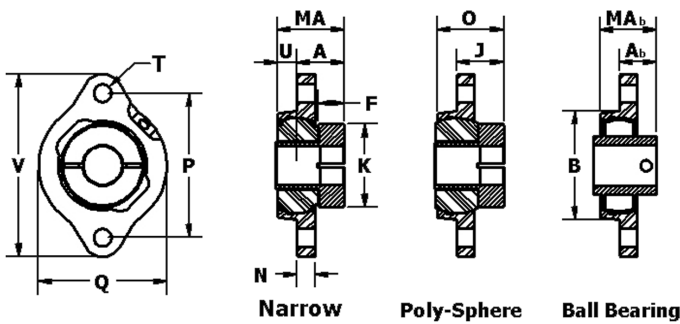
Sample p/n FA6GC7-1-LK

*QuiKlean® adds .625" (5/8") standoff & LTB

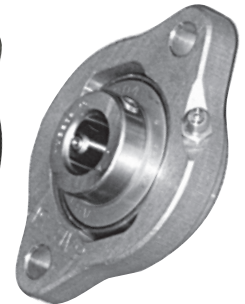
U	U1*	B	A	E	J	I	MA_KG*		MB_KG*		O_KG*		MC_KG		MD_KG		Standard Poly-Round® Solution® p/n		Poly-Sphere® p/n		Narrow p/n			
							MA_SS*	MA_KG*	MB_SS*	MB_KG*	O_SS*	O_KG*	MC_SS	MC_KG	MD_SS	MD_KG	Polymer (KG)		Stainless (SS)		Poly-Sphere® & Poly-Round® weigh same		Narrow Insert KleanCap™ DoubleLock®	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	Poly-Round® Insert	Std Assembly	Wt lbs	Std Assembly	Wt lbs	KG Assembly	Poly-Sphere® Insert		KG Assembly
.42	.60	1.04	.75	.96	.18	1.46	1.17	1.31	1.31	1.02	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
10.6	15.2	26.4	19.1	24.3	4.5	37.1	29.8	33.4	33.4	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
.50	.60	1.10	.94	1.02	.10	1.6	1.43	1.51	1.45	1.29	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
12.7	15.2	27.9	23.8	25.9	2.5	4.6	36.5	38.5	36.9	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
.50	.66	1.16	.94	1.05	.16	1.62	1.39	1.50	1.51	1.29	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
12.7	16.8	29.5	23.8	26.7	4.1	41.1	35.4	38.3	38.5	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
.56	.80	1.30	.99	1.14	.23	1.86	1.55	1.70	1.69	1.38	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
14.2	2.2	32.9	25.1	29.0	5.9	47.2	39.4	43.3	42.9	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
.56	.97	1.47	1	1.26	.41	2.03	1.56	1.79	1.86	1.39	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
14.2	24.6	37.3	25.4	32	10.3	51.6	39.7	45.6	47.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
1.18	30.1					2.03	1.56	1.79	1.86	1.39	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
						51.6	39.7	45.6	47.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4

Poly-Round® Solution® Piloted 2-Bolt Flange

“6-SP” Series Housing with Poly-Sphere® or Ball Bearing



Sample p/n FA6AB-SP7-3/4



Sample p/n ZY6AB-SP8-3/4

U	A	J	Ab	MA	O	MAb	Poly-Round® in Stainless		Ball Bearing			
							Poly-Round® Insert	Assembly p/n	Wt lbs	Regular	Greaseless to 450°F	Wt lbs
.38	1.10	1.02	0.72	1.28	1.30	1.10	FAIUBO-B-52	FA6AB-SP7-3/4	.7	ZY6AB-SP8-3/4	ZM6AB-SP8-3/4	.8
9.7	27.9	25.9	18.2	32.7	33.0	28.0	ZAMUB6-3/4					
.40	1.16	1.05	0.83	1.31	1.45	1.19	FAIUCO-C	FA6AC-SP7-1	1	ZY6AC-SP8-1	ZM6AB-SP8-1	1.1
10.2	29.5	26.7	21.1	33.3	36.9	30.3	ZAMUB6-1					



4-Bolt Flange

Polymer or Stainless "4" Series 4-Bolt Flange Housing



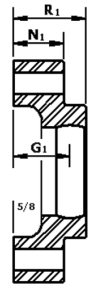
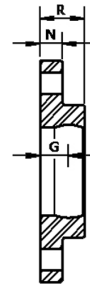
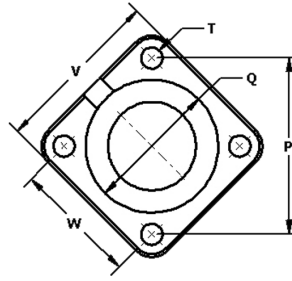
Sample p/n
4GE-QK



Sample p/n 4AE



Sample p/n
4AG-SPLIT



Standard

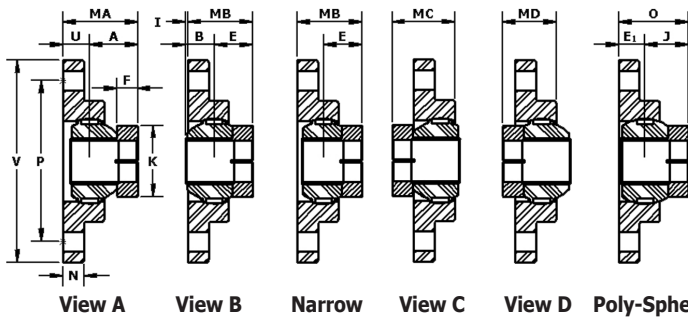
QuikClean®

*QuikClean® adds .625" (5/8") standoff & LTB

x = Shaft Size			mm∅ Inch∅ Ring Group	Stainless (SS)		Polymer (KG)		W	V	P	T	G	R	N	DoubleLock® Sleeve	
				Housing p/n	Q	Housing p/n	Q					G1*	R1*	N1*	F	K
mm	in	16 th		in mm	in mm	in mm	in mm	in mm	in mm	Bolt size	in mm	in mm	in mm	in mm	in mm	
12	1/2	8	40	4AA	2.15	4GA	2.15	2.12	3	3	3/8	.53 13.5	.85 21.4	.43 11.1	.44 11.2	1.49 38
15	5/8	10	1.575 A	--	54.6	4GA-QK	54.6	54.0	76.2	76.2		1.15 29.2	1.44 37.4	1.06 27		
17	11/16	11														
12	1/2	8	47	4AB	2.42	4GB	2.68	2.5	3.37	3.54	3/8	.59 15.1	.84 23.8	.44 11.1	.50 12.7	1.63 41
15	5/8	9	1.850 B	4AB-QK	61.5	4GB-QK	68.1	63.5	85.7	89.9		1.22 30.6	1.57 39.9	1.06		
17	11/16	11														
20	3/4	12														
12	3/4	12	52	4AC	2.66	4GC	2.93	2.75	3.75	3.89	7/16	.63 16.7	1 25.4	.5 12.7	.50 12.7	1.75 44
13	7/8	13	2.047 C	4AC-QK	67.6	4GC-QK	74.4	69.9	95.3	98.8		1.26 32	1.63	1.12		
14	15/16	15														
25	1	16														
1	1-1/16	16	62	4AD	3.12	4GD	3.62	3.25	4.25	4.59	7/16	.66 16.7	1.07 27.0	.5 12.7	.50 12.7	2.0 50
17	1-1/8	17	2.441 D	4AD-QK	79.2	4GD-QK	91.9	82.6	108.0	116.6		1.28 32	1.69	1.12		
18	1-1/4	18														
30	1-3/16	19														
19	1-1/4	20	72	4AE	3.62	4GE	4.0	3.62	4.75	5.13	1/2	.79 20.1	1.22 31.0	.56 14.3	.50 12.7	2.25 57
21	1-5/16	21	2.835 E	4AE-QK	91.9	4GE-QK	101.6	92.1	120.7	130.3		1.42 36	1.85	1.19		
22	1-3/8	22														
35	1-7/16	23														
19	1-1/2	24	80	4AF	4	4GF	4.56	4	5.12	5.66	1/2	.77 19.5	1.24 31.8	.56 14.3	.50 12.7	2.38 60
25	1-9/16	25	3.150 F	4AF-QK	101.6	4GF-QK	115.8	101.6	130.2	143.7		1.39 35.4	1.86 47.2	1.18 30		
24	1-5/8	26														
40	1-7/16	23														
1	1-1/2	24	85	4AG	4.25	4GG	4.74	4.12	5.25	5.83	1/2	.76 19.5	1.24 31.8	.62 15.9	.63 15.9	2.75 70
26	1-5/8	26	3.346 G		108		120.4	104.8	133.4	148.0						
27	1-11/16	27														
28	1-3/4	28														
45	1-1/2	24														
27	1-11/16	27	90	4AH	4.56	4GH	5.06	4.37	5.5	6.19	1/2	.77 19.6	1.24 31.8	.62 15.9	.63 15.9	3 76
28	1-3/4	28	3.543 H		115.8		128.5	111.1	139.7	157.2						
29	1-13/16	29														
30	1-7/8	30														
50	1-15/16	31														
32	2	32														
31	1-15/16	31														
2	2	32	100	4AI	5.06	4GI	5.87	5.12	6.5	7.25	5/8	.92 23.5	1.47 37.3	.69 17.5	.63 15.9	3.25 83
32	2-1/16	33	3.937 I		128.5		149.1	130.2	165.1	184.2						
33	2-1/8	34														
34	2-3/16	35														
35	2-1/4	36														
60	2-3/16	35	110	4AJ	5.62	4GJ	6.56	5.62	7	7.96	5/8	1.07 27.1	1.66 42.1	.69 17.5	.63 15.9	3.4 86
36	2-1/4	36	4.331 J		142.7		166.6	142.9	177.8	202.8						
37	2-5/16	37														
38	2-3/8	38														
60	2-7/16	39														
39	2-7/16	39	125	4AK	6.44	4GK	6.94	5.87	7.25	8.31	5/8	1.25 31.8	1.86 47.6	.75 19.1	.75 19.1	3.8 96
40	2-1/2	40	4.921 K		163.6		176.3	149.2	184.2	211						
42	2-5/8	42														
43	2-11/16	43														
70	2-3/4	44														
44	2-3/4	44	130	4AL	6.5	4GL	6.94	6	7.62	8.49	3/4	1.38 35.2	1.98 50.8	1 25.4	.75 19.1	4.13 105
45	2-13/16	45	5.118 L		165.1		176.3	152.4	193.7	215.6						
46	2-7/8	46														
47	2-15/16	47														
75	2-15/16	47														
48	3	48														
44	2-3/4	44	140	4AM	6.5	4GM	6.94	6	7.62	8.49	3/4	1.38 35.7	1.98 50.8	1 25.4	.75 19.1	4.5 114.3
46	2-7/8	46	5.511 M		165.1		176.3	152.4	193.7	215.6						
47	2-15/16	47														
48	3	48														
50	3-1/8	50														
80	3-3/16	51														
44	2-3/4	44	160	4AO	7.75	--	--	6.75	8.37	9.55	3/4	1.25 31.8	1.98 50.8	1 25.4	.75 19.1	4.1 104.1
47	2-15/16	47	6.299 O		196.9		--	171.4	212.6	242.6						
52	3-1/4	52														
55	3-7/16	55														
90	3-1/2	56														

Poly-Round® Solution® 4-Bolt Flange

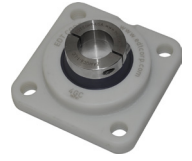
“4” Series Housing with Poly-Round® Spherical Bearing Insert



Sample p/n
NA4GC-QK7-1-LK



Sample p/n
NA4AC7-16-LK



Sample p/n
NA4GC7-16-LK

*QuiKlean® adds .625" (5/8") standoff & LTB														Standard Poly-Round® Solution® p/n				Poly-Sphere®		Narrow p/n	
U	A	B	E	E1	J	I	MA-KG*	MB-KG*	O-KG*	MC-KG	MD-KG	Poly-Round® Insert	Polymer (KG)		Stainless (SS)		Poly-Sphere® & Poly-Round® weigh same		Narrow Insert KleanCap™ DoubleLock®		
							MA-SS*	MB-SS*	O-SS*	MC-SS	MD-SS		Std Assembly	Wt lbs	Std Assembly	Wt lbs	KG Assembly	Insert KleanCap™ DoubleLock®		KG Assembly	SS Assembly
.53 13.5	1.04 26.4	.60 15.2	.75 19.1	.46 11.6	.96 24.3	.03 .7	1.56 39.8	1.28 32.5	1.42 36.1	1.35 34.5	1.07 27.2	__IUAO-x ZALUA6-x-LK	__4GA7-x-LK __4GA-QK7-x-LK	.4 .6	__4AA7-x-LK __4AA-QK7-x-LK	1.2 1.8	__4GA-07-x-LK __4OA7-x-LK	__OUAO-x ZALUA6-x-LK	__4GA4-x-LK __4AA4-x-LK	__IUA3-x ZAMUA6-x-LK	
.60 15.2	1.10 27.9	.60 15.2	.94 23.8	.52 13.2	1.02 25.9	0	1.69 43.0	1.53 38.9	1.61 40.9	1.45 36.9	1.29 32.8	__IUBO-x ZALUB6-x-LK	__4GB7-x-LK __4GB-QK7-x-LK	.4 .6	__4AB7-x-LK __4AB-QK7-x-LK	1.8 2.4	__4GB-07-x-LK __4OB7-x-LK	__OUBO-x ZALUB6-x-LK	__4GB4-x-LK __4AB4-x-LK	__IUB3-x ZAMUB6-x-LK	
.64 16.3	1.16 29.5	.66 16.8	.94 23.8	.55 13.9	1.05 26.7	0	1.79 45.6	1.57 39.9	1.68 42.7	1.51 38.5	1.29 32.8	__IUCO-x ZALUC6-x-LK	__4GC7-x-LK __4GC-QK7-x-LK	.8 1	__4AC7-x-LK __4AC-QK7-x-LK	2.0 2.6	__4GC-07-x-LK __4OC7-x-LK	__OUCO-x ZALUC6-x-LK	__4GC4-x-LK __4AC4-x-LK	__IUC3-x ZAMUC6-x-LK	
.66 16.8	1.30 32.9	.80 20.2	.99 25.1	.64 16.3	1.14 29	.02 .5	1.95 49.6	1.64 41.8	1.80 45.7	1.70 43.3	1.39 35.5	__IUDO-x ZALUD6-x-LK	__4GD7-x-LK __4GD-QK7-x-LK	.8 1.1	__4AD7-x-LK __4AD-QK7-x-LK	2.6 3.2	__4GD-07-x-LK __4OD7-x-LK	__OUDO-x ZALUD6-x-LK	__4GD4-x-LK __4AD4-x-LK	__IUD3-x ZAMUD6-x-LK	
.80 20.3	1.47 37.3	.97 24.6	1 25.4	.74 18.1	1.26 32	.04 13.9	2.26 57.4	1.79 45.5	2.02 51.4	1.90 48.2	1.43 36.3	__IUEO-x ZALUE6-x-LK	__4GE7-x-LK __4GE-QK7-x-LK	12 1.6	__4AE7-x-LK __4AE-QK7-x-LK	3.8 4.4	__4GE-07-x-LK __4OE7-x-LK	__OUEO-x ZALUE6-x-LK	__4GE4-x-LK __4AE4-x-LK	__IUE3-x ZAMUE6-x-LK	
.80 20.3	1.51 38.3	1.01 25.6	1.09 27.8	.80 20.3	1.30 33	.04 13.9	2.27 57.7	1.86 47.2	2.06 52.5	1.97 50.2	1.56 39.7	__IUF0-x ZALUF6-x-LK	__4GF7-x-LK __4GF-QK7-x-LK	1.4 1.8	__4AF7-x-LK __4AF-QK7-x-LK	4.6 5.2	__4GF-07-x-LK __4OF7-x-LK	__OUFO-x ZALUF6-x-LK	__4GF4-x-LK __4AF4-x-LK	__IUF3-x ZAMUF6-x-LK	
.78 19.8	1.69 43	1.07 27.2	1.22 31	.80 21.9	1.46 37	.09 2.3	2.45 62.3	1.98 50.3	2.21 56.3	2.17 55.1	1.69 43.1	__IUGO-x ZALUG6-x-LK	__4GG7-x-LK	2.2	__4AG7-x-LK	5.6	__4GG-07-x-LK __4OG7-x-LK	__OUGO-x ZALUG6-x-LK	__4GG4-x-LK __4AG4-x-LK	__IUG3-x ZAMUG6-x-LK	
.78 19.8	1.69 43	1.07 27.2	1.22 31	.83 21.1	1.48 37.6	.10 2.5	2.46 62.5	1.98 50.5	2.22 56.5	2.16 54.9	1.68 42.9	__IUHO-x ZALUH6-x-LK	__4GH7-x-LK	2.2	__4AH7-x-LK	5.6	__4GH-07-x-LK __4OH7-x-LK	__OUHO-x ZALUH6-x-LK	__4GH4-x-LK __4AH4-x-LK	__IUH3-x ZAMUH6-x-LK	
.93 23.6	1.85 47	1.22 31.1	1.25 31.8	.93 23.6	1.58 40.1	.05 1.31	2.77 70.4	2.17 55.2	2.47 62.8	2.39 60.9	1.79 45.6	__IUIO-x ZALUI6-x-LK	__4GI7-x-LK	3.4	__4AI7-x-LK	9.4	__4GI-07-x-LK __4OI7-x-LK	__OUIO-x ZALUI6-x-LK	__4GI4-x-LK __4AI4-x-LK	__IUI3-x ZAMUI6-x-LK	
1.1 27.9	2.06 52.4	1.44 36.5	1.28 32.5	1.05 26.7	1.70 43.2	.22 5.6	3.13 79.5	2.34 59.6	2.74 69.5	2.65 67.4	1.87 47.5	__IUJO-x ZALUJ6-x-LK	__4GJ7-x-LK	4	__4AJ7-x-LK	11.6	__4GJ-07-x-LK __4OJ7-x-LK	__OUJO-x ZALUJ6-x-LK	__4GJ4-x-LK __4AJ4-x-LK	__IUJ3-x ZAMUJ6-x-LK	
1.24 31.5	2.10 53.3	1.35 34.3	1.50 38.1	1.05 26.7	1.83 46.5	.11 2.8	3.35 85.0	2.75 69.8	3.05 77.4	2.71 68.8	2.11 53.5	__IUKO-x ZALUK6-x-LK	__4GK7-x-LK	6.1	__4AK7-x-LK	14.2	__4GK-07-x-LK __4OK7-x-LK	__OUKO-x ZALUK6-x-LK	__4GK4-x-LK __4AK4-x-LK	__IUK3-x ZAMUK6-x-LK	
1.38 35.0	2.04 51.8	1.29 32.7	1.56 39.7	1.05 26.7	1.83 46.5	0	3.42 86.9	2.94 74.8	3.18 80.9	2.63 66.8	2.15 54.7	__IULO-x ZALUL6-x-LK	__4GL7-x-LK	6	__4AL7-x-LK	16.4	__4GL-07-x-LK __4OL7-x-LK	__OULO-x ZALUL6-x-LK	--	--	
1.39 35.3	2.26 57.4	1.51 38.4	1.59 40.4	1.08 29.9	1.93 49.0	.12 3.1	3.62 92.6	2.95 75.0	3.29 83.5	2.87 73.0	2.20 56.0	__IUMO-x ZALUM6-x-LK	__4GM7-x-LK	6.7	__4AM7-x-LK	17.9	__4GM-07-x-LK __4OM7-x-LK	__OUMO-x ZALUM6-x-LK	--	--	
1.25 31.8	2.26 57.4	1.51 38.4	1.59 40.4	1.18 29.9	1.93 49.0	.26 6.6	3.55 90.2	2 50.8	3.37 85.7	3.03 77.0	1.48 37.5	__IUOO-x ZALUO6-x-LK	--	--	__4AO7-x-LK	22	--	__OULO-x ZALUL6-x-LK	--	--	



Small Pattern 4-Bolt

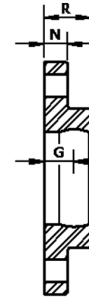
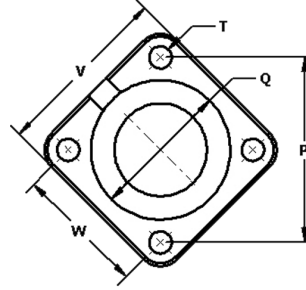
Polymer or Stainless "4^A-01" Series 4-Bolt Flange Housing



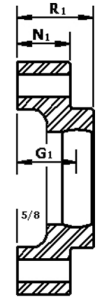
Sample p/n 4AC-01



Sample p/n 4GC-01-QK



Standard



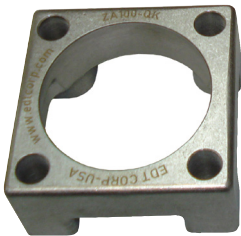
QuiKlean®

*QuiKlean® adds .625" (5/8") standoff & LTB

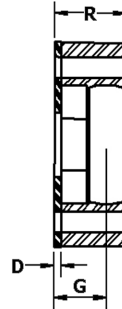
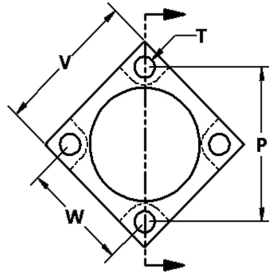
x = Shaft Size			mm∅ Inch∅ Ring Group	Stainless (SS)	Polymer (KG)	W	V	P	T	Q	G*	R	N	DoubleLock® Sleeve		
											Gi*	R1*	N1*	F	K	
mm	in	16 ^{ths}		Housing p/n	Housing p/n	in mm	in mm	in mm	Bolt size	in mm	in mm	in mm	in mm	in mm		
3/4	12		52 2.047 205 C	4AC-01	4AC-01						.66	.99	.25			
13/16	13					2.25	3.13	5.06	3/8	2.75		17.7	25.1	6.4		
7/8	14			4AC-01-QK	4GC-01-QK	57.15	79.4	128.6		70		1.29	1.62	.88	.50	1.75
25	15/16	1									32.8	41.1	22.4	12.7	44	

"Breeder Bearing"

Stainless "ZA100" QuiKlean® housing is exclusive to EDT
Specially designed to retrofit into most popular breeding equipment



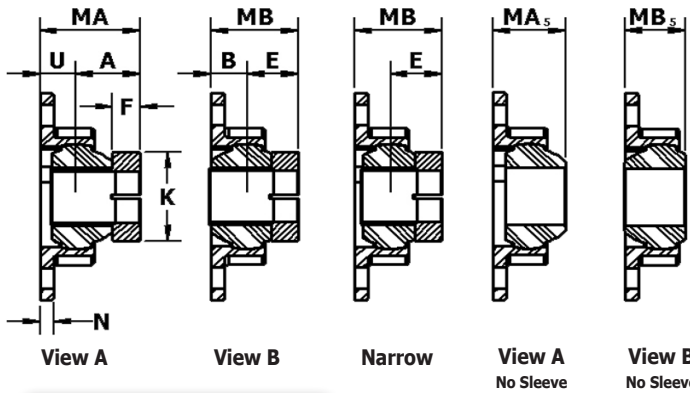
Sample p/n ZA100-QK



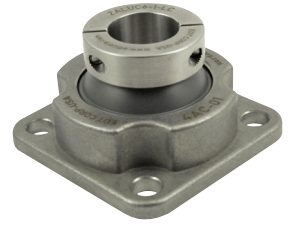
x = Shaft Size			mm∅ Inch∅ Ring Group	Stainless (SS)	W	V	P	T	G	R	D
mm	in	16 ^{ths}									
25	3/4	12	52 2.047 205 C	ZA100-QK	1.87	2.5	2.65	5/16	.93	1.28	.13
	1	16									

Poly-Round® Solution® Small Pattern 4-Bolt

“4^-01” Series 4-Bolt Flange Housing with Poly-Round® Spherical Bearing Insert



Sample p/n
NA4GC-015-1



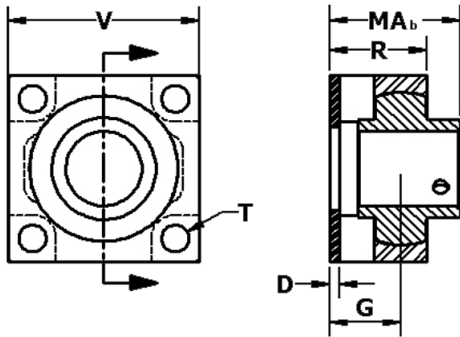
Sample p/n
NA4AC-017-1-LK

*QuiKlean® adds .625" (5/8") standoff & LTB								Standard Poly-Round® Solution® p/n					Narrow Poly-Round® p/n	
U	A	B	E	MA*	MB*	MA _s *	MB _s *	Poly-Round® Insert DoubleLock®	Polymer (KG) Assembly		Stainless (SS) Assembly		Narrow, no sleeve Narrow with sleeve QK Narrow with sleeve	Narrow Insert KleanCap™ DoubleLock®
in	in	in	in	in	in	in	in		No sleeve With sleeve QK with sleeve	Wt lbs	No sleeve With sleeve QK with sleeve	Wt lbs		
.64 16.2	1.16 29.5	.66 16.8	0.94 23.8	1.84 46.7	1.64 41.7	1.33 33.8	1.12 28.4	_ _IUCO-x ZALUC6-x-LK	_ _4GC-015-x _ _4GC-017-x-LK _ _4GC-01-QK7-x-LK	.3 .6 .7	_ _4AC-015-x _ _4AC-017-x-LK _ _4AC-01-QK7-x-LK	1.1 1.4 1.5	_ _4GC-013-x _ _4GC-014-x-LK _ _4GC-01-QK4-x-LK	_ _IUC3-x ZAMUC6-x-LK

- 7-x Indicates locking sleeve (Poly-Round® sized to mate with sleeve)
- 5-x Indicates no locking sleeve (Poly-Round® sized to run on shaft)
- 7-x-LK Indicates DoubleLock® style sleeve


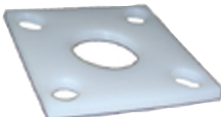

“Breeder Bearing” Assembly

Stainless 4-Bolt QuiKlean® Housing with Solid Lubricated Ball Bearing Insert & Backing Plate



Sample p/n
ZJZA100-QK8-1

NOTE: Ball bearing is recommended on popular breading equipment

MA _b	Breeder Bearing Components			
in mm	Bearing	Backing Plate	Assembly	Wt lbs
1.70	205-16-J 	PA100-1 	ZJZA100-QK8-1 	1.0

EDT recommends assembly with solid lubricated ball bearing.



Piloted 4-Bolt Flange

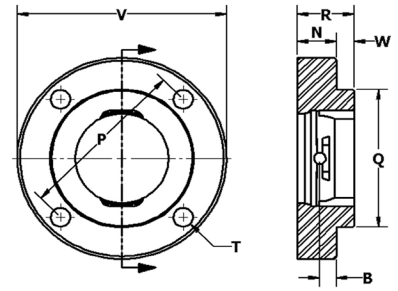
Polymer or Stainless "24" Series Piloted 4-Bolt Housing



Sample p/n 24AE



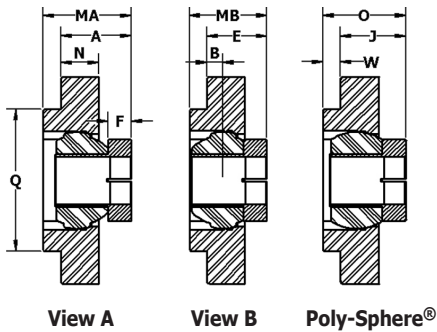
Sample p/n 24GE



x = Shaft Size			mm∅ Inch∅ Ring Group	Stainless (SS) Housing p/n	Polymer (KG) Housing p/n	P	V	W	R	N	B	Q	T	DoubleLock® Sleeve	
mm	in	16 ^{ths}												F	K
12	1/2	8	40	--	--	--	--	--	--	--	--	--	--	--	--
15	5/8	10	1.575	--	--	--	--	--	--	--	--	--	--	--	--
17	11/16	11	203 A												
12	1/2	8	47	--	--	--	--	--	--	--	--	--	--	--	--
15	5/8	10	1.850	--	--	--	--	--	--	--	--	--	--	--	--
17	11/16	11	204												
20	3/4	12	204 B												
3/4	12	13	52	24AC	24GC	3.63	4.38	.38	1.19	.88	11.34	3	3/8	.50	1.75
13/16	13	14	2.047			92.1	111.1	9.5	30.1	22.2	8.7	76.2		12.7	44
7/8	14	15	205												
15/16	14	15	205												
1	16	17	62	24AD	24GD	3.63	4.38	.38	1.25	.88	.34	3	3/8	.50	2.0
1-1/16	17	18	2.441			92.1	111.1	9.5	31.7	22.2	8.7	76.2		12.7	50
1-1/8	18	19	206												
1-3/16	19	20	72	24AE	24GE	4.13	5	.38	1.25	.88	.34	3.38	7/16	.50	2.25
1-5/16	20	21	2.835			104.8	127.0	9.5	31.7	22.2	8.7	85.7		12.7	57
1-3/8	22	22	207												
1-7/16	23	23	80	24AF	24GF	4.38	5.25	.44	1.44	.88	.34	3.63	7/16	.50	2.38
1-1/2	24	24	3.150			111.1	133.4	11.1	36.5	22.2	8.7	92.1		12.7	60
1-9/16	25	25	208												
1-5/8	26	26	80	24AG	24GG	4.38	5.25	.44	1.44	.88	.34	3.63	1/2	.63	2.75
1-1/2	26	26	3.346			111.1	133.4	11.1	36.5	22.2	8.7	92.1		15.9	70
1-5/8	24	24	209	◆ 24AG/DSC	◆ 24GG/DSC	4.75	5-3/4					4	1/2		
1-11/16	27	27	85			120.65	146.1					101.6			
1-3/4	28	28	90	24AH	24GH	5.13	6.13	.63	1.50	.88	.23	4.25	1/2	.63	3.0
1-13/16	29	29	3.543			130.2	155.6	15.9	38.1	22.2	6.0	108.0		15.9	76
1-7/8	30	30	210												
1-15/16	31	31	90	24AI	24GI	5.38	6.38	.63	1.50	.88	.19	4.25	1/2	.63	3.25
2	32	32	3.937			136.5	161.9	15.9	38.1	22.2	4.7	114.3		15.9	83
1-15/16	31	31	211												
2-3/16	35	35	110	24AJ	24GJ	6	7.13	.88	1.88	1	.19	5	9/16	.63	3.4
2-1/4	36	36	4.331			152.4	180.9	22.2	47.6	25.4	4.7	127		15.9	86
2-5/16	37	37	212												
2-3/8	38	38	125	24AK	24GK	6.5	7.63	1	2	1	.11	5.50	9/16	.75	3.8
2-7/16	39	39	4.921			165.1	193.7	25.4	50.8	25.4	2.7	132.1		19.1	96
2-1/2	40	40	214												
2-5/8	42	42	130	24AL	24GL	7.5	8.75	1.13	2.13	1	.13	6.38	11/16	.75	4.13
2-11/16	43	43	5.118			190.5	222.2	28.6	54.0	25.4	3.1	161.9		19.1	105
2-3/4	44	44	215												
2-13/16	45	45	140	24AM	24GM	7.5	8.75	1.13	2.13	1	.13	6.38	11/16	.75	4.45
2-7/8	46	46	5.511			190.5	222.2	28.6	54.0	25.4	3.1	161.9		19.1	113
2-15/16	47	47	216												
3	48	48	140												
3-1/8	50	50	5.511												
3-1/4	51	51	216												
3-3/16	51	51	216												

Poly-Round® Solution® Piloted Flange

“24” Series Housing with Poly-Round® Spherical Bearing Insert



Sample p/n
NA24AF7-24-LK



Sample p/n
NA24GF7-26

B	A	E	J	MA	MB	O	Standard Poly-Round® Solution® p/n				Poly-Sphere® p/n		Narrow p/n		
							Poly-Round® Insert DoubleLock®	Polymer (KG)		Stainless (SS)		KG Assembly SS Assembly	Poly-Sphere® Insert KleanCap™ DoubleLock®	KG Assembly SS Assembly	Narrow Insert KleanCap™ DoubleLock®
								Assembly	Wt lbs	Assembly	Wt lbs				
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
.66 16.8	1.16 29.5	.94 23.8	1.05 26.7	1.88 47.8	1.65 42.0	1.76 44.9	--_IUCO-x ZALUC6-x-LK	--_24GC7-x-LK	1.0	--_24AC7-x-LK	3.2	--_24GC-07-x-LK --_24OC7-x-LK	--_OUCO-x ZALUC6-x-LK	--_24GC4-x-LK --_24AC4-x-LK	--_IUC3-x ZAMUC6-x-LK
.80 20.2	1.30 32.9	.99 25.1	1.14 29	2.01 51.2	1.70 43.4	1.51 38.5	--_IUDO-x ZALUD6-x-LK	--_24GD7-x-LK	1.1	--_24AD7-x-LK	3.4	--_24GD-07-x-LK --_24OD7-x-LK	--_OUDO-x ZALUD6-x-LK	--_24GD4-x-LK --_24AD4-x-LK	--_IUD3-x ZAMUD6-x-LK
.97 24.6	1.47 37.3	1 25.4	1.26 32	2.17 55.2	1.70 43.3	1.61 40.8	--_IUEO-x ZALUE6-x-LK	--_24GE7-x-LK	1.2	--_24AE7-x-LK	4.2	--_24GE-07-x-LK --_24OE7-x-LK	--_OUEO-x ZALUE6-x-LK	--_24GE4-x-LK --_24AE4-x-LK	--_IUE3-x ZAMUE6-x-LK
1.01 25.6	1.51 38.3	1.09 27.8	1.30 33	2.25 57.3	1.84 46.8	1.73 44.1	--_IUFO-x ZALUF6-x-LK	--_24GF7-x-LK	1.4	--_24AF7-x-LK	4.6	--_24GF-07-x-LK --_24OF7-x-LK	--_OUFO-x ZALUF6-x-LK	--_24GF4-x-LK --_24AF4-x-LK	--_IUF3-x ZAMUF6-x-LK
1.07 27.2	1.69 43	1.22 31	1.46 37	2.44 62.0	1.96 50.0	1.89 48.1	--_IUGO-x ZALUG6-x-LK	--_24GG7-x-LK	2.0	--_24AG7-x-LK	4.6	--_24GG-07-x-LK --_24OG7-x-LK	--_OUGO-x ZALUG6-x-LK	--_24GG4-x-LK --_24AG4-x-LK	--_IUG3-x ZAMUG6-x-LK
								◆ 24GG/DSC is a specific match to the DODGE SC FC- bearing				--_24GG/DSC-07-x-LK		--_24GG/DSG4-x-LK	
								--_24GG/DSG-07-x-LK	2.0	--_24OG/DSG7-x-LK	4.6	--_24OG/DSG7-x-LK		--_24AG/DSG4-x-LK	
1.07 27.2	1.69 43	1.22 31	1.48 37.6	2.55 64.8	2.08 52.8	2.08 52.8	--_IUHO-x ZALUH6-x-LK	--_24GH7-x-LK	2.1	--_24AH7-x-LK	6.4	--_24GH-07-x-LK --_24OH7-x-LK	--_OUHO-x ZALUH6-x-LK	--_24GH4-x-LK --_24AH4-x-LK	--_IUH3-x ZAMUH6-x-LK
1.22 31.1	1.85 47	1.25 31.8	1.58 40.1	2.66 67.6	2.06 52.4	2.17 55.2	--_IUJO-x ZALUJ6-x-LK	--_24GI7-x-LK	2.8	--_24AI7-x-LK	7.4	--_24GI-07-x-LK --_24OI7-x-LK	--_OUJO-x ZALUJ6-x-LK	--_24GI4-x-LK --_24AI4-x-LK	--_IUI3-x ZAMUJ6-x-LK
1.44 36.5	2.06 52.4	1.28 32.5	1.70 43.2	3.12 79.4	2.34 59.5	2.54 64.6	--_IUJO-x ZALUJ6-x-LK	--_24GJ7-x-LK	3.6	--_24AJ7-x-LK	9.8	--_24GJ-07-x-LK --_24OJ7-x-LK	--_OUJO-x ZALUJ6-x-LK	--_24GJ4-x-LK --_24AJ4-x-LK	--_IUI3-x ZAMUJ6-x-LK
1.35 34.3	2.10 53.3	1.50 38.1	1.83 46.5	3.20 81.4	2.60 66.2	2.8 71.1	--_IUKO-x ZALUK6-x-LK	--_24GK7-x-LK	4.4	--_24AK7-x-LK	13	--_24GK-07-x-LK --_24OK7-x-LK	--_OUKO-x ZALUK6-x-LK	--_24GK4-x-LK --_24AK4-x-LK	--_IUK3-x ZAMUK6-x-LK
1.29 32.7	2.04 51.8	1.56 39.7	1.83 46.5	3.28 83.4	2.81 71.3	2.92 74.2	--_IULO-x ZALUL6-x-LK	--_24GL7-x-LK	5.8	--_24AL7-x-LK	19.4	--_24GL-07-x-LK --_24OL7-x-LK	--_OULO-x ZALUL6-x-LK	--_24GL4-x-LK --_24AL4-x-LK	--_IUL3-x ZAMUL6-x-LK
1.51 38.4	2.26 57.4	1.59 40.4	1.93 49	3.50 89.1	2.83 72.0	3.05 77.4	--_IUMO-x ZALUM6-x-LK	--_24GM7-x-LK	6.2	--_24AM7-x-LK	19.6	--_24GM-07-x-LK --_24OM7-x-LK	--_OUMO-x ZALUM6-x-LK	--_24GM4-x-LK --_24AM4-x-LK	--_IUM3-x ZAMUM6-x-LK



3-Bolt Extension Flange

Polymer or Stainless "3" Series 3-Bolt Extension Housing

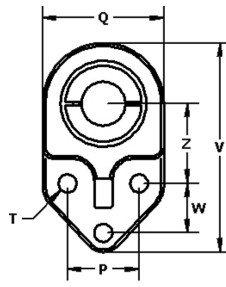


Sample p/n 3AE

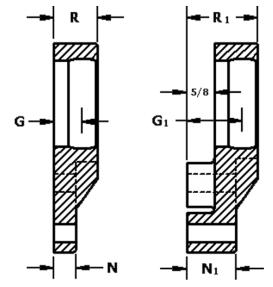


Sample p/n 3GE-QK

*QuiKlean® adds .625" (5/8") standoff & LTB



Poly-Round®



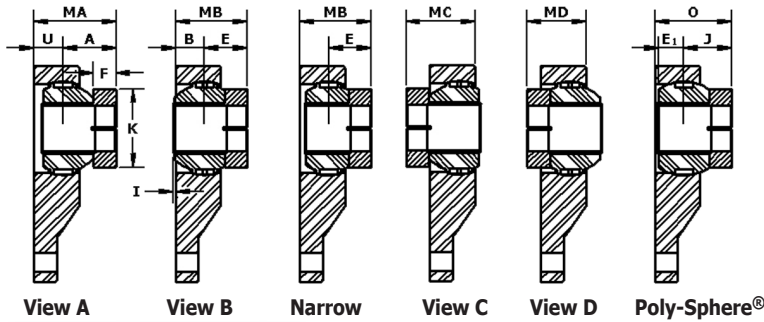
Standard

QuiKlean®

x = Shaft Size			mm ∅ Inch ∅ Ring Group	Stainless (SS)				Polymer (KG)				Z	W	Z+W	P	T	R	DoubleLock® Sleeve				
				Housing p/n	V in mm	Q in mm	N	G	Housing p/n	V in mm	Q in mm							N	G	in mm	in mm	in mm
N ₁ *	G ₁ *	N ₁ *	G ₁ *				in mm	in mm				in mm	in mm									
12	1/2	8	40	3AA	3.5	2	.25	.53	3GA	3.65	2.19	.44	.53	1.38	.81	2.19	1.25	31.8	5/16	.85	0.44	1.49
15	9/16	9	1.575		88.9	50.8	6.4	13.5		92.9	55.6	11.1	13.4							27.0		
17	5/8	10	203		203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203
12	1/2	8	47	3AB	4.25	2.5	.31	.59	3GB	4.34	2.56	.44	.59	1.68	.89	2.56	1.5	38.1	3/8	.95	.50	1.63
15	9/16	9	1.850		108.0	63.5	7.9	14.9		110.3	65.1	11.1	15							27.0		
17	5/8	10	204		204	204	204	204	204	204	204	204	204	204	204	204	204	204	204	204	204	204
17	11/16	11	204	3AC	4.75	2.75	.38	.64	3GC	4.75	2.75	.50	.63	1.81	1.12	2.94	1.62	41.3	3/8	1	.50	1.75
25	13/16	12	2.047		120.7	69.9	9.5	16.3		120.7	69.9	12.7	16							28.6		
15	7/8	14	205		205	205	205	205	205	205	205	205	205	205	205	205	205	205	205	205	205	205
15	15/16	15	205	3AD	5.38	3.12	.38	.66	3GD	5.44	3.25	.50	.66	2.06	1.25	3.31	1.84	47.6	3/8	1.06	.50	2.0
30	1-1/8	17	2.441		136.5	79.4	9.5	16.7		138.1	82.6	12.7	16.7							28.6		
19	1-3/16	19	206		206	206	206	206	206	206	206	206	206	206	206	206	206	206	206	206	206	206
19	1-1/4	20	206	3AE	6	3.63	.50	.79	3GE	6.19	3.56	.56	.79	2.37	1.25	1.84	2	50.8	1/2	1.22	.50	2.25
35	1-5/16	21	2.835		152.4	92.1	12.7	20		157.2	96.9	14.3	20							30.2		
22	1-3/8	22	207		207	207	207	207	207	207	207	207	207	207	207	207	207	207	207	207	207	207
23	1-7/16	23	207	3AF	6.5	4	.50	.77	3GF	6.67	4.25	.56	.77	2.56	1.37	3.94	2.25	57.2	1/2	1.28	.50	2.38
40	1-9/16	25	3.150		165.1	101.6	12.7	19.6		170.7	108.0	14.3	19.5							30.2		
26	1-5/8	26	208		208	208	208	208	208	208	208	208	208	208	208	208	208	208	208	208	208	208
24	1-1/2	24	208	3AG	6.94	4.25	.50	.76	3GF-QK	6.67	4.25	.56	.77	2.56	1.37	3.94	2.25	57.2	1/2	1.28	.50	2.38
45	1-9/16	25	3.150		176.2	108.0	12.7	19.8		170.7	108.0	14.3	19.5							30.2		
28	1-3/4	28	209		209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209
27	1-11/16	27	209	3AH	7.41	4.56	.50	.77	3GF-QK	6.67	4.25	.56	.77	2.56	1.37	3.94	2.25	57.2	1/2	1.28	.50	2.38
50	1-13/16	29	3.543		188.1	115.9	12.7	19.4		170.7	108.0	14.3	19.5							30.2		
30	1-7/8	30	210		210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210
31	1-15/16	31	211	3AI	8.04	4.95	.63	.92	3GH	7.62	4.87	.62	.77	2.94	1.62	4.56	2.75	69.9	1/2	1.24	.63	3.0
50	1-15/16	31	3.543		188.1	115.9	12.7	19.4		170.7	108.0	14.3	19.5							30.2		
32	2	32	211		211	211	211	211	211	211	211	211	211	211	211	211	211	211	211	211	211	211
31	1-15/16	31	100	3AJ	8.04	4.95	.63	.92	3GI	8.29	5.37	.69	.92	3.12	1.75	4.87	3	76.2	5/8	1.47	.63	3.25
55	2-1/16	33	3.937		205.6	128.6	15.9	23.4		210.6	136.5	17.5	23.5							31.2		
33	2-1/8	34	211		211	211	211	211	211	211	211	211	211	211	211	211	211	211	211	211	211	211
35	2-3/16	35	212	3AJ	8.88	5.63	.63	1.07	3GJ	9.19	6	.69	1.07	3.37	2	5.37	3.5	88.9	5/8	1.66	.63	3.4
60	2-1/4	36	4.331		225.4	142.9	15.9	27.2		233.4	152.4	17.5	27.1							35.4		
37	2-5/16	37	212		212	212	212	212	212	212	212	212	212	212	212	212	212	212	212	212	212	212
38	2-3/8	38	212	3AK	10.03	6.47	.63	1.25	3GK	10.03	6.47	.63	1.25	3.75	2.37	6.12	4.25	108.0	5/8	1.87	.75	3.8
70	2-7/16	40	4.921		254.8	163.5	15.9	31.8		254.8	163.5	17.5	31.8							35.4		
43	2-1/2	42	214		214	214	214	214	214	214	214	214	214	214	214	214	214	214	214	214	214	214
43	2-11/16	43	214	3AL	10.69	6.5	.75	1.39	3GL	10.69	6.5	.75	1.39	4	2.62	6.62	4.25	108.0	3/4	2	.75	4.13
75	2-3/4	44	5.118		271.5	165.1	19.1	35.2		271.5	165.1	17.5	35.2							35.4		
47	2-7/8	46	215		215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215
47	2-15/16	47	215	3AL	10.69	6.5	.75	1.39	3GL	10.69	6.5	.75	1.39	4	2.62	6.62	4.25	108.0	3/4	2	.75	4.13
75	2-15/16	47	5.118		271.5	165.1	19.1	35.2		271.5	165.1	17.5	35.2							35.4		
48	3	48	215		215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215

Poly-Round® Solution® 3-Bolt Extension Flange

"3" Series Housing with Poly-Round® Spherical Bearing Insert



Sample p/n
NA3AE-QK7-20-LK



Sample p/n
NA3GC7-16-LK

*QuiKlean® adds .625" (5/8") standoff & LTB

Poly-Sphere® & Poly-Round® weigh same

U	B	A	E	J	I	MA-KG*	MB-KG*	O-KG*	MC-KG	MD-KG	Standard Poly-Round® Solution® p/n				Poly-Sphere® p/n		Narrow p/n		
						MA-SS*	MB-SS*	O-SS*	MC-SS	MD-SS	Poly-Round® Insert	Polymer (KG)		Stainless (SS)		KG Assembly SS Assembly	Poly-Sphere® Insert KleanCap™ DoubleLock®	KG Assembly SS Assembly	Narrow Insert KleanCap™ DoubleLock®
						in	in	in	in	in		Std Assembly	Wt	Std Assembly	Wt				
.53 13.5	.60 15.2	1.04 26.4	.75 19.1	.96 24.3	.03 .7	1.56 39.8	1.28 32.5	1.42 36.1	1.35 34.5	1.07 27.2	__IUAO-x ZALUA6-x-LK	__3GA7-x-LK .4	__3AA7-x-LK .8	__3GA07-x-LK __3OA7-x-LK	__OUAO-x ZALUA6-x-LK	__3GA4-x-LK __3AA4-x-LK	__IUA3-x ZAMUA6-x-LK		
.60 15.2	.60 15.2	1.10 27.9	.94 23.8	1.02 25.9	0	1.69 43.0	1.53 38.9	1.61 40.9	1.45 36.9	1.29 32.8	__IUBO-x ZALUB6-x-LK	__3GB7-x-LK .6 __3GB-QK7-x-LK .6	__3AB7-x-LK 1.4	__3GB07-x-LK __3OB7-x-LK	__OUBO-x ZALUB6-x-LK	__3GB4-x-LK __3AB4-x-LK	__IUB3-x ZAMUB6-x-LK		
.64 16.3	.66 16.8	1.16 29.5	.94 23.8	1.05 26.7	0	1.79 45.6	1.57 39.9	1.68 42.7	1.51 38.5	1.29 32.8	__IUCO-x ZALUC6-x-LK	__3GC7-x-LK .6 __3GC-QK7-x-LK .6	__3AC7-x-LK 1.6	__3GC07-x-LK __3OC7-x-LK	__OUCO-x ZALUC6-x-LK	__3GC4-x-LK __3AC4-x-LK	__IUC3-x ZAMUC6-x-LK		
.66 16.8	.80 20.2	1.30 32.9	.99 25.1	1.14 29	.02 .5	1.95 49.6	1.64 41.8	1.80 45.7	1.70 43.3	1.39 35.5	__IUDO-x ZALUD6-x-LK	__3GD7-x-LK .6 __3GD-QK7-x-LK .8	__3AD7-x-LK 2.2	__3GD07-x-LK __3OD7-x-LK	__OUDO-x ZALUD6-x-LK	__3GD4-x-LK __3AD4-x-LK	__IUD3-x ZAMUD6-x-LK		
.80 20.3	.97 24.6	1.47 37.3	1 25.4	1.26 32	.04 13.9	2.26 57.4	1.79 45.5	2.02 51.4	1.90 48.2	1.43 36.3	__IUEO-x ZALUE6-x-LK	__3GE7-x-LK 1 __3GE-QK7-x-LK 1	__3AE7-x-LK 3.2 __3AE-QK7-x-LK 3.2	__3GE07-x-LK __3OE7-x-LK	__OUEO-x ZALUE6-x-LK	__3GE4-x-LK __3AE4-x-LK	__IUE3-x ZAMUE6-x-LK		
.80 20.3	1.01 25.6	1.51 38.3	1.09 27.8	1.30 33	.04 13.9	2.27 57.7	1.86 47.2	2.06 52.5	1.97 50.2	1.56 39.7	__IUFO-x ZALUF6-x-LK	__3GF7-x-LK 1.6 __3GF-QK7-x-LK 1.6	__3AF7-x-LK 4.0	__3GF07-x-LK __3OF7-x-LK	__OUFO-x ZALUF6-x-LK	__3GF4-x-LK __3AF4-x-LK	__IUF3-x ZAMUF6-x-LK		
.78 19.8	1.07 27.2	1.69 43	1.22 31.0	1.46 37	.09 2.3	2.45 62.3	1.98 50.3	2.21 56.3	2.17 55.1	1.69 43.1	__IUGO-x ZALUG6-x-LK	-- --	__3AG7-x-LK 5.0	-- __3OG7-x-LK	__OUGO-x ZALUG6-x-LK	-- __3AG4-x-LK	__IUG3-x ZAMUG6-x-LK		
.78 19.8	1.07 27.2	1.69 43	1.22 31.0	1.48 37.6	.10 2.5	2.46 62.5	1.98 50.5	2.22 56.5	2.16 54.9	1.68 42.9	__IUHO-x ZALUH6-x-LK	__3GH7-x-LK 2.2 __3AH7-x-LK 5.4	__3OH7-x-LK 5.4	__3GH07-x-LK __3OH7-x-LK	__OUHO-x ZALUH6-x-LK	__3GH4-x-LK __3AH4-x-LK	__IUH3-x ZAMUH6-x-LK		
.93 23.6	1.22 31.1	1.85 47	1.25 31.8	1.58 40.1	.05 1.31	2.77 70.4	2.17 55.2	2.47 62.8	2.39 60.9	1.79 45.6	__IUIO-x ZALUI6-x-LK	__3GI7-x-LK 2.9	__3AI7-x-LK 8.2	__3GI07-x-LK __3OI7-x-LK	__OUIO-x ZALUI6-x-LK	__3GI4-x-LK __3AI4-x-LK	__IUI3-x ZAMUI6-x-LK		
1.1 27.9	1.44 36.5	2.06 52.4	1.28 32.5	1.70 43.2	.22 5.6	3.13 79.5	2.34 59.6	2.74 69.5	2.65 67.4	1.87 47.5	__IUJO-x ZALUJ6-x-LK	__3GJ7-x-LK 3.8	__3AJ7-x-LK 8.8	__3GJ07-x-LK __3OJ7-x-LK	__OUJO-x ZALUJ6-x-LK	__3GJ4-x-LK __3AJ4-x-LK	__IUJ3-x ZAMUJ6-x-LK		
1.24 31.5	1.35 34.3	2.10 53.3	1.50 38.1	1.83 46.5	.11 2.8	3.35 85.0	2.75 69.8	3.05 77.4	2.71 68.8	2.11 53.5	__IUKO-x ZALUK6-x-LK	-- --	__3AK7-x-LK 11.1	-- __3OK7-x-LK	__OUKO-x ZALUK6-x-LK	-- __3AK4-x-LK	__IUK3-x ZAMUK6-x-LK		
1.38 35.0	1.29 32.7	2.04 51.8	1.56 39.7	1.83 46.5	0	3.42 86.9	2.94 74.8	3.18 80.9	2.63 66.8	2.15 54.7	__IULO-x ZALUL6-x-LK-	-- --	__3AL7-x-LK 11.2	-- __3OL7-x-LK	__OULO-x ZALUL6-x-LK	-- __3AL4-x-LK	__IUL3-x ZAMUL6-x-LK		

Round 3-Bolt Flange

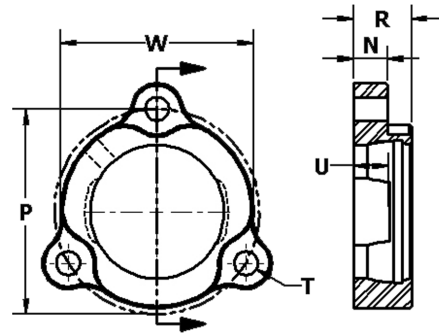
Polymer or Stainless "22" Series Round 3-Bolt Housing



Sample p/n 22AE



Sample p/n 22GE



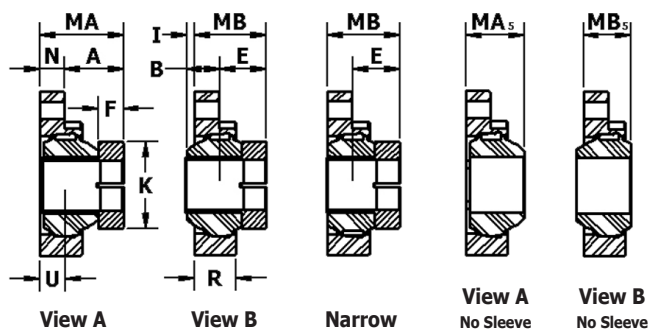
x = Shaft Size			mm∅ Inch Ring Group	Stainless (SS)		Polymer (KG)		P	W	U	R	T	DoubleLock® Sleeve	
				Housing p/n	N	Housing p/n	N						F	K
mm	in	16ths		in mm	in mm	in mm	in mm	in mm	in mm	Bolt Size	in mm	in mm		
12	1/2	8	40	22AA	.38	22GA	.38	2.5		.43	.69	1/4	.44	1.49
15	9/16	9	1.575		9.5		9.5	63.5	2.4	9.5	17.5		11.2	38
17	5/8	10	203	22AA-01		22GA-01		2.39						
17	11/16	11	A					60.7						
12	1/2	8	47	22AB	.42	22GB	.42	2.81	2.5	.45	.78	5/16	.50	1.63
15	9/16	9	1.850		12.7		12.7	71.4		9.5	19.8		1.27	41
17	5/8	10	204											
17	11/16	11	204											
20	3/4	12	B											
12	3/4	12	52	22AC	.42	22GC	.50	3	2.8	.53	.84	5/16	.50	1.75
13	13/16	13	2.047		12.7		12.7	76.2		9.5	21.4		1.27	44
14	7/8	14	205											
15	15/16	15	C											
1	1	16	62	22AD	.58	22GD	.58	3.56	3.4	.60	.98	3/8	.50	2
16	1-1/16	17	2.441		11.9		13.9	90.5		11.9	22.2		1.27	50
17	1-1/8	18	206											
18	1-1/8	18	D											
19	1-3/16	19												
20	1-1/4	20	72	22AE	.65	22GE	.65	3.94	3.7	.70	1.11	3/8	.50	2.25
19	1-1/4	20	2.835		16.7		14.3	100.0		12.7	23.8		12.7	57
21	1-5/16	21	207											
22	1-3/8	22	207											
23	1-7/16	23	E											
17	1-7/16	23	80	22AF	.65	--	--	4.64	4.2	.70	1.12	1/2	.50	2.38
24	1-1/2	24	3.150		16.7			119.1		12.7	28.6		12.7	60
25	1-9/16	25	208											
26	1-5/8	26	F											
1-1/2	1-1/2	24	85	22AG	.65	--	--	4.75	4.5	.70	1.12	1/2	.63	2.75
26	1-5/8	26	3.346		16.7			120.7		12.7	1.12		15.9	70
27	1-11/16	27	209											
28	1-3/4	28	G											
1-11/16	1-11/16	27	90	22AH	.63	--	--	5	4.6	.70	1.12	1/2	.63	3.0
28	1-3/4	28	3.543		15.9			127.0		12.7	28.6		15.9	76
29	1-13/16	29	210											
30	1-7/8	30	H											
31	1-15/16	31												
32	2	32												

Round bolt holes are standard.
*Square bolt holes are available.
If required, please call for
price and lead time.



Poly-Round® Solution® Round 3-Bolt

"22" Series Housing with Poly-Round® Spherical Bearing Insert



Sample p/n
FA22AC7-1-LK



Sample p/n
NA22GD7-1-1/4-LK

Poly-Sphere® & Poly-Round® weigh same

A	B	E	U	I	MA-KG	MB-KG	MA5-KG	MB5-KG	Standard Poly-Round® Solution® p/n				Poly-Sphere® p/n		Narrow p/n		
					MA-SS	MB-SS	MA5-SS	MB5-SS	Poly-Round® Insert DoubleLock®	Polymer (KG)		Stainless (SS)		KG Assembly SS Assembly	Poly-Sphere® Insert KleanCap™ DoubleLock®	KG Assembly SS Assembly	Narrow Insert KleanCap™ DoubleLock®
					in mm	in mm	in mm	in mm		Assembly	Wt lbs	Assembly	Wt lbs				
1.04 26.4	.60 15.2	.75 19.1	.43 10.9	.07 1.8	--	--	--	--	--_IUAO-x ZALUA6-x-LK	--_22GA7-x-LK --_22GA-017-x-LK	.3	--_22AA7-x-LK --_22AA-017-x-LK	.9	--_22GA-07-x-LK --_22OA7-x-LK	--_OUAO-x ZALUA6-x-LK	--_22GA4-x-LK --_22AA4-x-LK	--_IUA3-x ZAMUA6-x-LK
1.10 27.9	.60 15.2	0.94 23.8	.43 10.9	.01 .2	1.52 38.7	1.02 26.0	1.02 26.0	0.86 21.9	--_IUBO-x ZALUB6-x-LK	--_22GB7-x-LK	.4	--_22AB7-x-LK	1.0	--_22GB-07-x-LK --_22OB7-x-LK	--_OUBO-x ZALUB6-x-LK	--_22GB4-x-LK --_22AB4-x-LK	--_IUB3-x ZAMUB6-x-LK
1.16 29.5	.66 16.8	0.94 23.8	.58 14.7	.03 .7	1.67 42.5	1.17 29.8	1.17 29.8	0.94 24.1	--_IUCO-x ZALUC6-x-LK	--_22GC7-x-LK	.5	--_22AC7-x-LK	1.2	--_22GC-07-x-LK --_22OC7-x-LK	--_OUCO-x ZALUC6-x-LK	--_22GC4-x-LK --_22AC4-x-LK	--_IUC3-x ZAMUC6-x-LK
1.30 32.9	.80 20.2	0.99 25.1	.60 15.2	.14 3.5	1.87 47.6	1.37 34.9	1.37 34.9	1.07 27.1	--_IUDO-x ZALUD6-x-LK	--_22GD7-x-LK	.8	--_22AD7-x-LK	1.6	--_22GD-07-x-LK --_22OD7-x-LK	--_OUDO-x ZALUD6-x-LK	--_22GD4-x-LK --_22AD4-x-LK	--_IUD3-x ZAMUD6-x-LK
1.47 37.3	.97 24.6	1 25.4	.68 17.3	.18 4.5	2.15 54.6	1.65 41.9	1.65 41.9	1.18 30.0	--_IUEO-x ZALUE6-x-LK	--_22GE7-x-LK	1	--_22AE7-x-LK	2.2	--_22GE-07-x-LK --_22OE7-x-LK	--_OUEO-x ZALUE6-x-LK	--_22GE4-x-LK --_22AE4-x-LK	--_IUE3-x ZAMUE6-x-LK
1.51 38.3	1.01 25.6	1.09 27.8	--	.24 6.0	--	--	--	--	--_IUFO-x ZALUF6-x-LK	--	--	--_22AF7-x-LK	2.6	--_22OF7-x-LK	ZALUF6-x-LK	--_22GF4-x-LK --_22AF4-x-LK	--_IUF3-x ZAMUF6-x-LK
1.69 43.0	1.07 27.2	1.22 31.0	--	.31 7.8	--	--	--	--	--_IUGO-x ZALUG6-x-LK	--	--	--_22AG7-x-LK	3.0	--_22OG7-x-LK	ZALUG6-x-LK	--_22GG4-x-LK --_22AG4-x-LK	--_IUG3-x ZAMUG6-x-LK
1.69 43.0	1.07 27.2	1.22 31.0	.72 18.3	.30 7.6	2.41 61.2	1.78 45.3	1.78 45.3	1.31 33.2	--_IUHO-x ZALUH6-x-LK	--	--	--_22AH7-x-LK	3.4	--_22OH7-x-LK	ZALUH6-x-LK	--_22GH4-x-LK --_22AH4-x-LK	--_IUH3-x ZAMUH6-x-LK



Narrow Slot Take-Up Housing

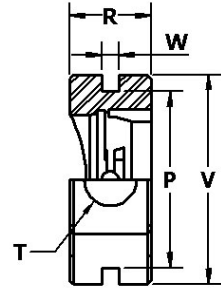
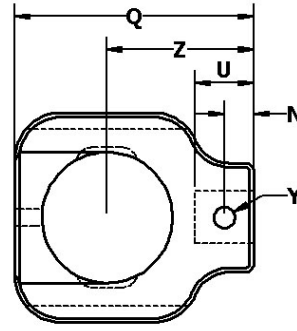
Polymer or Stainless "5" Series Narrow Slot Take-Up Housing



Sample p/n 5AE



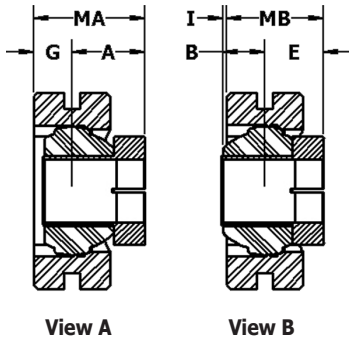
Sample p/n 5GE



x = Shaft Size			mm∅ Inch∅ Ring Group	Stainless (SS)		Polymer (KG)		P	V	Z	Y∅	N	W	R	U	T	DoubleLock® Sleeve	
				Housing p/n	Q in mm	Housing p/n	Q in mm										F	K
mm	in	16ths								Roll Pin					Thread Size			
12	1/2	8	40 1.575	5AA	2.69 68.3	--	--	2 50.8	2.50 63.5	1.69 42.9	1/4 x 7/8	.31 7.9	1/4	.88 22.2	.63 15.9	1/2 - 13	.44 11.2	1.35 34.3
15	9/16	9	47 1.850	5AB	3.44 87.3	5GB	3.44 87.3	2.63 66.7	3.13 79.4	2.19 55.5	5/16 x 1 1/4	.44 11.1	1/4	1.25 31.8	.88 22.2	3/4 - 10	.50 12.7	1.63 41
17	5/8	10	203 A															
17	11/16	11																
12	1/2	8	47 1.850	5AB	3.44 87.3	5GB	3.44 87.3	2.63 66.7	3.13 79.4	2.19 55.5	5/16 x 1 1/4	.44 11.1	1/4	1.25 31.8	.88 22.2	3/4 - 10	.50 12.7	1.63 41
15	5/8	10	204 B															
17	11/16	11																
20	3/4	12																
25	3/4	12	52 2.047	5AC	3.56 90.5	5GC	3.56 90.5	2.63 66.7	3.13 79.4	2.19 55.5	5/16 x 1 1/4	.44 11.1	1/47	1.25 31.8	.88 22.2	3/4 - 10	.50 12.7	1.75 44
25	7/8	13	205 C															
30	1	16	62 2.441	5AD	4.31 109.5	5GD	4.31 109.5	3.50 88.9	4.13 104.8	2.69 68.3	5/16 x 1 1/4	.50 12.7	1/4	1.25 31.8	1 25.4	3/4 - 10	.50 12.7	2.0 50
30	1-1/16	17	206 D															
30	1-3/16	18																
30	1-1/4	20																
35	1-3/16	19	72 2.835	5AE	4.50 114.3	5GE	4.50 114.3	3.50 88.9	4.13 104.8	2.69 68.3	5/16 x 1 1/4	.50 12.7	1/4	1.25 31.8	1 25.4	3/4 - 10	.50 12.7	2.25 57
35	1-1/4	20	207 E															
35	1-5/16	21																
35	1-3/8	22																
35	1-7/16	23																
40	1-7/16	23	80 3.150	5AF	5.38 136.5	5GF	5.38 136.5	4 101.6	4.75 120.7	3.25 82.6	3/8 x 1 1/2	.66 16.7	5/16	1.25 31.8	1.12 29.4	7/8 - 9	.50 12.7	2.38 60
40	1-1/2	24	208 F															
40	1-9/16	25																
40	1-5/8	26																
45	1-1/2	24	85 3.346	5AG	5.44 138.1	5GG	5.38 136.5	4 101.6	4.75 120.7	3.25 82.6	3/8 x 1 1/2	.66 16.7	5/16	1.25 31.8	1.16 29.4	7/8 - 9	.63 15.9	2.75 70
45	1-5/8	26	209 G															
45	1-11/16	27																
45	1-3/4	28																
50	1-11/16	27	90 3.543	5AH	5.5 139.7	5GH	5.5 139.7	4 101.6	4.75 120.7	3.25 82.6	3/8 x 1 1/2	.66 16.7	5/16	1.25 31.8	1.16 29.4	7/8 - 9	.63 15.9	3.0 76
50	1-3/4	28	210 H															
50	1-13/16	29																
50	1-7/8	30																
50	1-15/16	31	31 2															
55	1-15/16	31	100 3.937	5AI	6.13 155.6	N/A	6.13 155.6	4.44 112.7	5.38 136.5	3.63 92.1	7/16 x 1 3/4	.69 17.5	5/16	1.75 44.5	1.28 32.5	1 - 8	.63 15.9	3.25 83
55	2	32	211 I															
55	2-1/16	33																
55	2-1/8	34																
55	2-3/16	35																
55	2-1/4	36																
60	2-3/16	35	110 4.331	5AJ	6.69 169.9	N/A	6.69 169.9	4.94 125.4	5.75 146.1	3.88 98.4	7/16 x 1 3/4	.69 17.5	5/16	1.75 44.5	1.28 32.5	1 - 8	.63 15.9	3.4 86
60	2-1/4	36	212 J															
60	2-5/16	37																
60	2-3/8	38																
60	2-7/16	39																
70	2-7/16	39	125 4.921	5AK	7.38 187.3	5GK	7.38 187.3	5.50 139.7	6.38 161.9	4.94 109.5	1/2 x 1 7/8	.75 19.1	3/8	1.88 47.6	1.50 38.1	1 1/4 - 7	.75 19.1	3.8 96
70	2-1/2	40	214 K															
70	2-5/8	42																
70	2-11/16	43																
70	2-3/4	44																
75	2-11/16	43	130 5.118	5AL	7.69 195.3	5GL	7.69 195.3	5.88 149.2	6.75 171.5	4.44 112.7	1/2 x 1 7/8	.75 19.1	3/8	1.88 47.6	1.50 38.1	1 1/4 - 7	.75 19.1	4.13 105
75	2-3/4	44	215 L															
75	2-13/16	45																
75	2-7/8	46																
75	2-15/16	47																
75	3	48																

Poly-Round® Solution® Narrow Slot Take-Up

"5" Series Housing with Poly-Round® Spherical Bearing Insert



Take-up frame sold separately
(Section M)



Sample p/n
NA5AC7-16-LK



Sample p/n
QF5GC7-1 1/4-LK

Poly-Sphere® & Poly-Round® weigh same

A	E	G	B	I	MA-KG	MB-KG	Standard Poly-Round® Solution® p/n				Poly-Sphere® p/n		
					MA-SS	MB-SS	Poly-Round® Insert KleanCap™ DoubleLock®	Polymer (KG)		Stainless (SS)		KG Assembly SS Assembly	Poly-Sphere® Insert KleanCap™ DoubleLock®
					in mm	in mm		Assembly	Wt lbs	Assembly	Wt lbs		
1.04 26.4	.75 19.1	.44 11.1	.60 15.2	.16 4.0	1.54 39.1	1.25 31.7	__IUAO-x ZALUA6-x-LK	--	--	__5AA7-x-LK	1	__50A7-x-LK	__OUAO-x ZALUA6-x-LK
1.10 27.9	.94 23.8	.63 16.0	.60 15.2	0	1.79 45.4	1.63 41.4	__IUBO-x ZALUB6-x-LK	__5GB7-x-LK	.6	__5AB7-x-LK	2.4	__5GB-07-x-LK __50B7-x-LK	__OUBO-x ZALUB6-x-LK
1.16 29.5	.94 23.8	.63 16.0	.66 16.8	.03 .7	1.85 46.9	1.63 41.4	__IUCO-x ZALUC6-x-LK	__5GC7-x-LK	.6	__5AC7-x-LK	2.2	__5GC-07-x-LK __50C7-x-LK	__OUCO-x ZALUC6-x-LK
1.30 32.9	.99 25.1	.63 16.0	.80 20.2	.17 4.3	1.98 50.2	1.68 42.6	__IUDO-x ZALUD6-x-LK	__5GD7-x-LK	1.0	__5AD7-x-LK	3.6	__5GD-07-x-LK __50D7-x-LK	__OUDO-x ZALUD6-x-LK
1.47 37.3	1 25.4	.63 16.0	.97 24.6	.34 8.6	2.16 54.8	1.69 42.9	__IUEO-x ZALUE6-x-LK	__5GE7-x-LK	1.6	__5AE7-x-LK	3.8	__5GE-07-x-LK __50E7-x-LK	__OUEO-x ZALUE6-x-LK
1.51 38.3	1.09 27.8	.63 16.0	1.01 25.6	.38 9.7	2.32 58.9	1.91 48.5	__IUFO-x ZALUF6-x-LK	__5GF7-x-LK	1.8	__5AF7-x-LK	6.2	__5GF-07-x-LK __50F7-x-LK	__OUFO-x ZALUF6-x-LK
1.69 43	1.22 31	.63 16.0	1.07 27.2	.44 11.2	2.51 63.7	2.03 51.5	__IUGO-x ZALUG6-x-LK	__5GG7-x-LK	2.0	__5AG7-x-LK	6.4	__5GG-07-x-LK __50G7-x-LK	__OUGO-x ZALUG6-x-LK
1.69 43	1.22 31	.63 16.0	1.07 27.2	.44 11.2	2.51 63.7	2.03 51.5	__IUHO-x ZALUH6-x-LK	__5GH7-x-LK	2.0	__5AH7-x-LK	5.8	__5GH-07-x-LK __50H7-x-LK	__OUHO-x ZALUH6-x-LK
1.85 47	1.25 31.8	.88 22.3	1.22 31.1	.78 19.8	2.73 69.3	2.13 54.1	__IUIO-x ZALUI6-x-LK	--	--	__5AI7-x-LK	9.2	__50I7-x-LK	__OUIO-x ZALUI6-x-LK
2.06 52.4	1.28 32.5	.88 22.3	1.44 36.5	.56 14.2	2.94 74.6	2.16 54.8	__IUJO-x ZALUJ6-x-LK	--	--	__5AJ7-x-LK	10	__50J7-x-LK	__OUJO-x ZALUJ6-x-LK
2.10 53.3	1.50 38.1	0.94 23.9	1.35 34.3	.41 10.4	3.1 78.7	2.5 63.5	__IUKO-x ZALUK6-x-LK	__5GK7-x-LK	5.8	__5AK7-x-LK	12.5	__5GK-07-x-LK __50K7-x-LK	__OUKO-x ZALUK6-x-LK
2.04 51.8	1.56 39.7	0.94 23.9	1.29 32.7	.76 19.3	3.04 77.2	2.56 65.0	__IULO-x ZALUL6-x-LK	__5GL7-x-LK	4.8	__5AL7-x-LK	12.6	__5GL-07-x-LK __50L7-x-LK	__OULO-x ZALUL6-x-LK

Wide Slot Take-Up

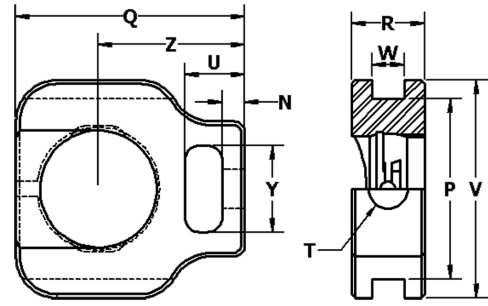
Polymer or Stainless "7" Series Wide Slot Take-Up Housing



Sample p/n TAE



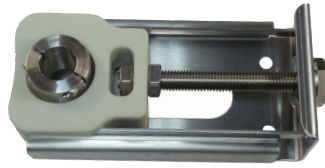
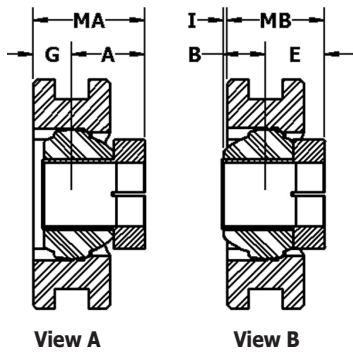
Sample p/n 7GC



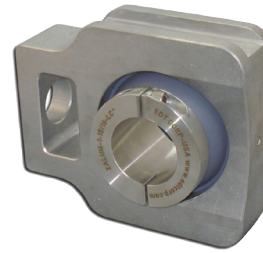
x = Shaft Size			mm Inch Ring Group	Stainless (SS)		Polymer (KG)		P	V	Z	Y		N	W	U	R	T	DoubleLock® Sleeve		
				Housing p/n	Q in mm	Housing p/n	Q in mm				Nut Size	in mm						in mm	in mm	F
mm	in	16 ^{ths}																		
12	1/2	8	40	7AG	3.13	--	--	2.5	3	2	1/2 - 13	1.25	.31	.41	.81	1	1/2 - 13	.44	1.49	
15	9/16	9	1.575		79.5			63.5	76.2	50.8		31.8	7.9	10.3	20.6	25.4		11.2	38	
17	5/8	10	203																	
	11/16	11	A																	
12	1/2	8	47	7AB	3.69	7GB	3.69	3	3.63	2.38	5/8 - 11	1.44	.44	.53	1.06	1.38	5/8 - 11	.50	1.63	
15	5/8	10	1.850		93.7		93.7	76.2	92.1	60.3		36.5	11.1	13.5	27.0	34.9		12.7	41	
17	11/16	11	204																	
20	3/4	12	B																	
	3/4	12	52	7AC	3.81	7GC	3.81	3	3.63	2.44	5/8 - 11	1.44	.44	.53	1.06	1.38	5/8 - 11	.50	1.75	
	13/16	13	2.047		96.8		96.8	76.2	92.1	61.9		36.5	11.1	13.5	27.0	34.9		12.7	44	
	7/8	14	205																	
25	15/16	15	C																	
	1	16	62	7AD	4.38	7GD	4.38	3.5	4.13	2.75	3/4 - 10	1.63	.38	.53	1.16	1.63	3/4 - 10	.50	2.0	
	1-1/16	17	2.441		111.1		111.1	88.9	104.8	69.9		41.3	9.5	13.5	29.4	41.3		12.7	50	
	1-1/8	18	206																	
30	1-3/16	19	D																	
	1-1/4	20	72	7AE	4.81	7GE	4.81	3.5	4.13	3	3/4 - 10	1.63	.38	.53	1.16	1.63	3/4 - 10	.50	2.25	
	1-3/8	21	2.835		122.2		122.2	88.9	104.8	76.2		41.3	9.5	13.5	29.4	41.3		12.7	57	
	1-7/16	23	207																	
	1-7/16	23	80	7AF	5.5	7GF	5.5	4	4.5	3.44	1 - 8	1.94	.56	.69	1.5	1.94	1 - 8	.50	2.38	
	1-1/2	24	3.150		139.7		139.7	101.6	114.3	87.3		49.2	14.3	17.5	38.1	49.2		12.7	60	
	1-9/16	25	208																	
40	1-5/8	26	F																	
	1-11/16	27	85	7AG	5.69	7GG	5.69	4	4.63	3.5	1 - 8	1.94	.56	.69	1.5	1.94	1 - 8	.63	2.75	
	1-3/4	28	3.346		144.5		144.5	101.6	117.5	88.9		49.2	14.3	17.5	38.1	49.2		15.9	70	
	1-11/16	27	90	7AH	5.81	7GH	5.81	4	4.75	3.56	1	1.94	.56	.69	1.5	1.94	1 - 8	.63	3.0	
	1-3/4	28	3.543		147.6		147.6	101.6	120.7	90.5		49.2	14.3	17.5	38.1	49.2		15.9	76	
	1-13/16	29	210																	
50	1-7/8	30	H																	
	1-15/16	31	100	7AI	7.5	7GI	7.5	5.13	5.75	4.69	1 1/4 - 7	2.5	.72	1.06	1.97	2.5	1 1/4 - 7	.63	3.25	
	2	32	3.937		190.5		190.5	130.2	149.2	119.1		63.5	18.3	27.0	50.0	63.5		15.9	83	
	2-1/16	33	211																	
	2-1/8	34	211																	
	2-3/16	35	I																	
	2-1/4	36	110	7AJ	7.5	7GJ	7.5	5.13	5.88	4.69	1 1/4 - 7	2.5	.72	1.06	1.97	2.5	1 1/4 - 7	.63	3.4	
			4.331		190.5		190.5	130.2	149.2	119.1		63.5	18.3	27.0	50.0	63.5		15.9	86	
	2-3/8	38	212																	
	2-7/16	39	J																	
	2-7/16	39	125	7AK	8.88	--	--	5.94	6.69	5.38	1 1/2 - 6	2.88	.81	1.06	2.31	2.75	1 1/2 - 6	.75	3.8	
	2-1/2	40	4.921		225.4			150.8	169.9	136.5		73.0	20.6	27.0	58.7	69.9		19.1	96	
	2-5/8	42	214																	
	2-11/16	43	K																	
	2-3/4	44	130	7AL	9.13	7GL	9.13	5.94	6.69	5.5	1 1/2 - 6	2.88	.81	1.06	2.31	2.75	1 1/2 - 6	.75	4.10	
			5.118		231.8		231.8	150.8	169.9	139.7		73.0	20.6	27.0	58.7	69.9		19.1	104.1	
	2-7/8	45	215																	
75	2-15/16	47	L																	
	3	48																		

Poly-Round® Solution® Wide Slot Take-Up

"7" Series Housing with Poly-Round® Spherical Bearing Insert



Take-up frame sold separately
(Section M)



Sample p/n
NA7AE7-23-LK



Sample p/n
NA7GC7-16-LK

Poly-Sphere® & Poly-Round® weigh same

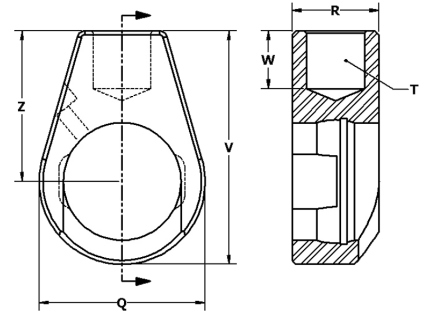
G	B	A	E	I	MA-KG	MB-KG	Standard Poly-Round® Solution® p/n				Poly-Sphere® p/n		
					MA-SS	MB-SS	Poly-Round® Insert KleanCap™ DoubleLock®	Polymer (KG)		Stainless (SS)		KG Assembly SS Assembly	Poly-Sphere® Insert KleanCap™ DoubleLock®
					in mm	in mm		Assembly	Wt lbs	Assembly	Wt lbs		
.5 12.7	.60 15.2	1.04 26.4	.75 19.1	.1 2.5	1.6 40.6	1.31 33.2	_ _ IUA0-x ZALUA6-x-LK	--	--	_ _ 7AA7-x-LK	1.6	_ _ 70A7-x-LK	_ _ OUA0-x ZALUA6-x-LK
.69 17.5	.60 15.2	1.10 27.9	.94 23.8	0	1.79 45.4	1.63 41.4	_ _ IUB0-x ZALUB6-x-LK	_ _ 7GB7-x-LK	.8	_ _ 7AB7-x-LK	3.0	_ _ 7GB-07-x-LK _ _ 70B7-x-LK	_ _ OUB0-x ZALUB6-x-LK
.69 17.5	.66 16.8	1.16 29.5	.94 23.8	0	1.85 46.9	1.63 41.4	_ _ IUC0-x ZALUC6-x-LK	_ _ 7GC7-x-LK	.8	_ _ 7AC7-x-LK	2.8	_ _ 7GC-07-x-LK _ _ 70C7-x-LK	_ _ OUC0-x ZALUC6-x-LK
.69 17.5	.80 20.2	1.30 32.9	.99 25.1	.11 2.8	2.11 53.5	1.8 45.7	_ _ IUD0-x ZALUD6-x-LK	_ _ 7GD7-x-LK	1.2	_ _ 7AD7-x-LK	4.2	_ _ 7GD-07-x-LK _ _ 70D7-x-LK	_ _ OUD0-x ZALUD6-x-LK
.69 17.5	.97 24.6	1.47 37.3	1 25.4	.31 7.9	2.28 57.9	1.81 45.9	_ _ IUE0-x ZALUE6-x-LK	_ _ 7GE7-x-LK	1.2	_ _ 7AE7-x-LK	4.4	_ _ 7GE-07-x-LK _ _ 70E7-x-LK	_ _ OUE0-x ZALUE6-x-LK
.97 24.6	1.01 25.6	1.51 38.3	1.09 27.8	.04 1.0	2.44 61.9	2.03 51.5	_ _ IUF0-x ZALUF6-x-LK	_ _ 7GF7-x-LK	2	_ _ 7AF7-x-LK	7.3	_ _ 7GF-07-x-LK _ _ 70F7-x-LK	_ _ OUF0-x ZALUF6-x-LK
.97 24.6	1.07 27.2	1.69 43	1.22 31	.10 2.5	2.63 66.8	2.16 54.8	_ _ IUG0-x ZALUG6-x-LK	_ _ 7GG7-x-LK	2.6	_ _ 7AG7-x-LK	7.6	_ _ 7GG-07-x-LK _ _ 70G7-x-LK	_ _ OUG0-x ZALUG6-x-LK
.97 24.6	1.07 27.2	1.69 43	1.22 31	.10 2.5	2.63 66.8	2.16 54.8	_ _ IUH0-x ZALUH6-x-LK	_ _ 7GH7-x-LK	2.6	_ _ 7AH7-x-LK	8.0	_ _ 7GH-07-x-LK _ _ 70H7-x-LK	_ _ OUH0-x ZALUH6-x-LK
1.25 31.8	1.22 31.1	1.85 47	1.25 31.8	0	3.1 78.7	2.5 63.5	_ _ IUI0-x ZALUI6-x-LK	_ _ 7GI7-x-LK	4.6	_ _ 7AI7-x-LK	12.8	_ _ 7GI-07-x-LK _ _ 70I7-x-LK	_ _ OUI0-x ZALUI6-x-LK
1.25 31.8	1.44 36.5	2.06 52.4	1.28 32.5	.19 4.8	3.31 84.0	2.53 64.2	_ _ IUJ0-x ZALUJ6-x-LK	_ _ 7GJ7-x-LK	4.6	_ _ 7AJ7-x-LK	13.4	_ _ 7GJ-07-x-LK _ _ 70J7-x-LK	_ _ OUJ0-x ZALUJ6-x-LK
1.38 35.0	1.35 34.3	2.10 53.3	1.50 38.1	0	3.48 88.3	2.88 73.1	_ _ IUK0-x ZALUK6-x-LK	_ _ 7GK7-x-LK	6.0	_ _ 7AK7-x-LK	18.0	_ _ 70K7-x-LK	_ _ OUK0-x ZALUK6-x-LK
1.38 35.0	1.29 32.7	2.04 51.8	1.56 39.7	0	3.41 86.6	2.94 74.6	_ _ IUL0-x ZALUL6-x-LK	_ _ 7GL7-x-LK	6.4	_ _ 7AL7-x-LK	18.5	_ _ 7GL-07-x-LK _ _ 70L7-x-LK	_ _ OUL0-x ZALUL6-x-LK

Hanger

Stainless "8" Series Housing



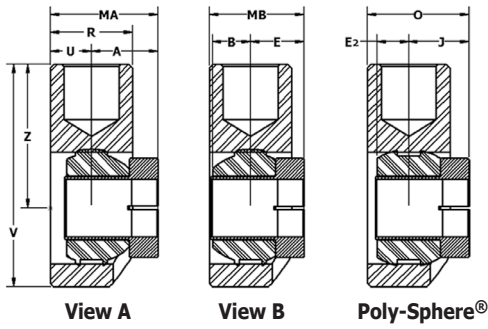
Sample p/n 8AE-01



x = Shaft Size			mm∅ Inch∅ Ring Group	T Thread	Stainless (SS) Housing p/n	Z in mm	V in mm	Q in mm	R in mm	W in mm	DoubleLock® Sleeve	
											F in mm	K in mm
12	1/2	8	40	1/2 - 14 NPSM	8AA	1.88 47.6	2.94 74.6	2.13 54.0	1.19 30.2	.63 15.9	0.44 11.2	1.49 38
9/16	9	1.575	5/8 - 11 UNC	8AA-01								
5/8	10	203	M12 x 1.75	8AA-03B								
17	11/16	11	A	5/8 - 18	8AA-01A							
12	1/2	8	47	3/4 - 14 NPSM	8AB	2.5 63.5	3.75 95.2	2.5 63.5	1.44 36.5	.75 19.1	.50 12.7	1.63 41
9/16	9	1.850	5/8 - 11 UNC	8AB								
5/8	10	204	M16-2	8AB-03B								
15	11/16	11	B									
20	3/4	12										
25	3/4	12	52	3/4 - 14 NPSM	8AC	2.5 63.5	3.88 98.4	2.75 69.9	1.44 36.5	.75 19.1	.50 12.7	1.75 44
13/16	13											
7/8	14											
15/16	15											
1	16											
1-1/16	17		62	3/4 - 14 NPSM	8AD	2.5 63.5	4.06 103.2	3.13 79.4	1.44 36.5	.75 19.1	.50 12.7	2.0 50
1-1/8	18	2.441	5/8 - 11 UNC	8AD-02								
1-3/16	19	206	M16-2	8AD-03								
1-1/4	20		D									
35	1-3/16	19	72	3/4 - 14 NPSM	8AE	2.75 69.9	4.56 115.9	3.63 92.1	1.44 36.5	.75 19.1	.50 12.7	2.25 57
1-1/4	20	2.835	1 - 8 UNC	8AE-01								
1-5/16	21	207	5/8 - 11 NPSM	8AE-02								
1-3/8	22		E									
1-7/16	23											
40	1-7/16	23	80	3/4 - 14 NPSM	8AF	2.88 73.0	4.75 120.7	3.75 95.2	1.44 36.5	.75 19.1	.50 12.7	2.38 60
1-1/2	24	3.150	3/4 - 10 NPSM	8AF-01								
1-9/16	25	208										
1-5/8	26		F									
45	1-1/2	24	85	1 - 11 1/2 NPSM	8AG	3.25 82.6	5.38 136.5	4.25 108.0	1.88 47.6	.81 20.6	.63 15.9	2.75 70
1-11/16	27											
1-13/16	29											
1-7/8	30											
1-15/16	31											
2	32											
50	1-11/16	27	90	1 - 11 1/4 NPSM	8AH	3.25 82.6	5.5 139.7	4.5 114.3	1.88 47.6	.81 20.6	.63 15.9	3.0 76
1-3/4	28	3.543	1 - 8 UNC	8AH-01								
1-13/16	29	210										
1-7/8	30		H									
1-15/16	31											
2	32											
55	1-15/16	31	100	1 1/4 - 11 1/4 NPSM	8AI	3.44 87.3	5.94 150.8	5 127.0	2 50.8	1 25.4	.63 15.9	3.25 83
2	32	3.937	1 1/4 - 7 UNC	8AI-01								
2-1/16	33	211										
2-1/8	34		I									
2-3/16	35											
2-1/4	36											
60	2-3/16	35	110	1 1/4 - 11 1/2 NPSM	8AJ	4 101.6	6.81 173.0	5.63 142.9	2 50.8	1.13 28.6	.63 15.9	3.4 86
2-1/4	36	4.331	1 1/2 - 6 UNC	8AJ-01								
2-5/16	37	212										
2-3/8	38		J									
2-7/16	39											
2-1/2	40											
2-5/8	42											
2-11/16	43											
2-3/4	44											
70	2-7/16	39	125	1 1/2 - 11 1/2 NPSM	8AK	4.63 117.5	7.88 200.0	6.5 165.1	2 50.8	1.25 31.8	.75 19.1	3.8 96
2-1/2	40											
2-5/8	42											
2-11/16	43											
2-3/4	44											
75	2-11/16	43	130	1 1/2 - 11 1/2 NPSM	8AL	4.63 117.5	7.88 200.0	6.5 165.1	2 50.8	1.25 31.8	.75 19.1	4.13 105
2-3/4	44	5.118										
2-13/16	45	215										
2-7/8	46		L									
2-15/16	47											
3	48											
80	2-3/4	44	140	1 1/2 - 11 1/2 NPSM	8AM	4.88 123.9	8.31 211.1	6.88 174.7	2.22 56.4	1.25 31.8	.75 19.1	4.1 104.1
2-7/8	46											
2-15/16	47											
3	48											
3-1/8	50											
3-3/16	51											

Poly-Round® Solution® Hanger

“8” Series Housing with Poly-Round® Spherical Bearing Insert



Sample p/n NA8AE7-20-LK

Poly-Sphere® & Poly-Round® weigh same

U	B	A	E	E ₂	J	MA	MB	O	Poly-Round® in Stainless			Poly-Sphere® in Stainless	
									Poly-Round® Insert KleanCap™ DoubleLock®	Assembly p/n	Wt lbs	Assembly p/n	Poly-Sphere® Insert KleanCap™ DoubleLock®
.59 15.0	.60 15.2	1.04 26.4	.75 19.1	.46 11.6	.96 24.3	1.63 41.5	1.34 34.1	1.49 37.8	--_JUAO-x ZALUA6-x-LK	--_8AA7-x-LK --_8AA-017-x-LK	1.2	--_8OA7-x-LK	--_OUAO-x ZALUA6-x-LK
.72 18.3	.60 15.2	1.10 27.9	.94 23.8	.52 13.2	1.02 25.9	1.81 46.2	1.65 42.0	1.73 44.1	--_JUBO-x ZALUB6-x-LK	--_8AB7-x-LK --_8AB-037-x-LK	2	--_8OB7-x-LK	--_OUBO-x ZALUB6-x-LK
.72 18.3	.66 16.8	1.16 29.5	.94 23.8	.55 13.9	1.05 26.7	1.88 47.8	1.65 42.0	1.76 44.9	--_JUCO-x ZALUC6-x-LK	--_8AC7-x-LK	2	--_8OC7-x-LK	--_OUCO-x ZALUC6-x-LK
.72 18.3	.80 20.2	1.30 32.9	.99 25.1	.64 16.3	1.14 29	2.01 51.2	1.70 43.4	1.86 47.3	--_JUDO-x ZALUD6-x-LK	--_8AD7-x-LK	2.2	--_8OD7-x-LK	--_OUDO-x ZALUD6-x-LK
.72 18.3	.97 24.6	1.47 37.3	1 25.4	.74 18.1	1.26 32	2.18 55.6	1.71 43.6	1.95 49.6	--_JUEO-x ZALUE6-x-LK	--_8AE7-x-LK	2.8	--_8OE7-x-LK	--_OUEO-x ZALUE6-x-LK
.72 18.3	1.01 25.6	1.51 38.3	1.09 27.8	.80 20.3	1.30 33	2.22 56.5	1.81 46.0	2.01 51.2	--_JUFO-x ZALUF6-x-LK	--_8AF7-x-LK	2.8	--_8OF7-x-LK	--_OUFO-x ZALUF6-x-LK
.94 23.9	1.07 27.2	1.69 43	1.22 31	.80 21.9	1.46 37	2.63 66.8	2.15 54.7	2.39 60.8	--_JUGO-x ZALUG6-x-LK	--_8AG7-x-LK	5.6	--_8OG7-x-LK	--_OUGO-x ZALUG6-x-LK
.94 23.9	1.07 27.2	1.69 43	1.22 31	.83 21.1	1.48 37.6	2.63 66.8	2.15 54.7	2.39 60.8	--_JUHO-x ZALUH6-x-LK	--_8AH7-x-LK	5.6	--_8OH7-x-LK	--_OUHO-x ZALUH6-x-LK
.99 25.1	1.22 31.1	1.85 47	1.25 31.8	.93 23.6	1.58 40.1	2.83 72.0	2.23 56.7	2.53 64.3	--_JUJO-x ZALUJ6-x-LK	--_8AI7-x-LK	7.4	--_8OI7-x-LK	--_OUJO-x ZALUJ6-x-LK
.99 25.1	1.44 36.5	2.06 52.4	1.28 32.5	1.05 26.7	1.70 43.2	3.04 77.4	2.26 57.5	2.65 67.4	--_JUJO-x ZALUJ6-x-LK	--_8AJ7-x-LK	8.1	--_8OJ7-x-LK	--_OUJO-x ZALUJ6-x-LK
1.23 31.2	1.35 34.3	2.10 53.3	1.50 38.1	1.05 26.7	1.83 46.5	3.33 84.7	2.73 69.4	3.03 77.0	--_JUKO-x ZALUK6-x-LK	--_8AK7-x-LK	10.9	--_8OK7-x-LK	--_OUKO-x ZALUK6-x-LK
1.23 31.2	1.29 32.7	2.04 51.8	1.56 39.7	1.05 26.7	1.83 46.5	3.27 83.1	2.79 71.0	3.03 77.0	--_JULO-x ZALUL6-x-LK	--_8AL7-x-LK	10.6	--_8OL7-x-LK	--_OULO-x ZALUL6-x-LK
1.11 28.0	1.51 38.4	2.26 57.4	1.59 40.4	1.18 29.9	1.93 49.0	3.37 85.5	2.7 68.5	3.03 77.0	--_JUMO-x ZALUM6-x-LK	--_8AM7-x-LK	15.5	--_8OM7-x-LK	--_OUMO-x ZALUM6-x-LK

Poly-Round[®] Solution[®] is the answer for operations where greased bearings are problematic

- Extreme Temperatures
- Moisture
- Corrosive/Damaging Environments
- Accessibility Issues
- Contamination Concerns
- Submersion

HARD-TO-MAINTAIN

Applications

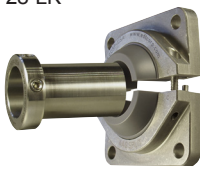
- Bearings installed high above process floor, submerged in waste water (such as offal auger), out of doors, etc.

Selection

- NA or QF Poly-Round[®] insert in polymer or stainless housing
- Ex: NA4AG-SPLIT-7T-28-LK

Benefits

- Greaseless bearing eliminates issues of maintaining grease
- Consistent operation without routine inspections and maintenance



WATER TREATMENT

Application

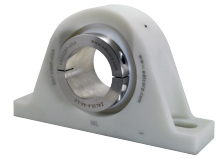
- Flocculators, dewatering conveyors and drums, skimmers, sludge removal

Selection

- PA Poly-Round[®] in polymer housing up to 150°F
- Ex: PA1GL7-3-LK
- NA Poly-Round[®] in stainless up to 200°F

Benefits

- Grease-less Poly-Round[®] operates wet or dry
- Avoid issues of slow shaft speed being inadequate to properly lubricate a ball bearing
- High chemical resistance with long life and dependable operation



FRYERS & COOKERS

Applications

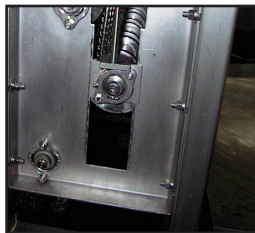
- Paddle-and-belt conveyor through vat at slow to moderate speed
- Bearings submerged in (or exposed to) hot water, hot oil, steam, chemicals
- Capable of temperature up to 500°F

Selection

- FA Poly-Round[®] in stainless housing
- Ex: FA6AB-SP7-3/4

Benefits

- Direct food contact and extreme chemical resistance
- 12–18 months service with zero maintenance
- Eliminates possible metal contamination without balls in bearings



FREEZERS

Applications

- Nitrogen tunnel and spiral freezers
- Ambient temperature from zero to cryogenic

Selection

- EDT Freezer bearing is specially designed Poly-Round[®] that won't lock up around shaft.
- Ask about PA cut-style or QF with -xB I.D. for below standard temperatures
- Ex: PA2AE7-1-1/4BC-LK or QF2AF4-1-1/2B-LK

Benefits

- Bearing and housing materials unaffected by condensation or ice accumulation
- Eliminate grease that congeals at low temperatures
- Predictable performance allows scheduled replacement



MODULAR BELTS

Applications

- Sprocket drive controls tension and moderates speed in processing, transfer or packaging / loading conveyors and metal detectors, in-feed or discharge conveyors, batter, breader

Selection

- NA or QF Poly-Round[®] in polymer or stainless steel housing for temperatures to 200°F
- Ex: NA3GE7-1-1/4-LK

Benefits

- Unaffected by wash-down
- No lubrication, no process contamination
- 12–24 months with NO maintenance, then flip the insert and get additional life



OVENS

Applications

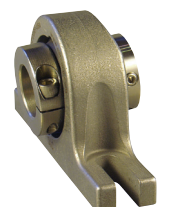
- Continuous oven, operating dry or steam
- Operating at temperatures from 200° to 500°F; may be subject to wash down and/or industrial chemicals

Selection

- EDT oven bearing is specially dimensioned QF Poly-Round[®]: available in stainless steel or metal housings
- High Temp Expansion (-HTE) and High Temp Fixed (-HTV) style Poly-Round[®] bearings
- Ex: QF1AC7-1-LCHTV

Benefits

- No grease to melt out or require frequent re-lube
- No rust from wash down with non-corrosive QF and stainless steel components
- Locking sleeve eliminates shaft damage caused by expansion





POLY-ROUND® SPHERICAL BEARINGS



Standard Poly-Round®



Narrow Poly-Round®



Split style Poly-Round®



FA material:
Direct food contact and
high temperature capable



Poly-Sphere®

Solid Polymer Self-aligning Bearing Inserts

Greaseless, one-piece plane bearings offer reliable operation in locations where ball bearings with lubrication are a problem.

- Greaseless bearing eliminates issues of lubrication
- Dimensionally interchange with all industry-standard self-aligning insert bearings
- Variety of materials for optimum performance in different applications
- USDA/NSF accepted
- Available for all inch and metric sizes
- Non-contaminating and corrosion-resistant
- Styles available for high and low temperatures




EDT **GUARANTEES** Poly-Round® bearing with sleeve to operate for 12 months of zero-maintenance wear on modular plastic- and wire-belt conveyors (wet or dry applications).

Features of Poly-Round® spherical OD ('self-aligning') bearings

- No grease – eliminate problems associated with grease: viscosity, contamination, expense, labor
- Entire polymer unit is bearing (translates to longer usable life)
- Variety of polymer materials offer various properties; choose the optimum for the application
- Retrofit insert ball bearings (check operating conditions)
- Predictable wear allows planned maintenance rather than emergency replacement
- Ideal for HACCP and other maintenance programs: bearing construction is completely sanitary

Compare the Cost of Ownership of a Poly-Round® bearing versus other alternatives
(See page C-10)



\$2,120 SAVINGS

Double the life of Poly-Round® plane bearings by rotating the bearing

Usable life of EDT plane bearings can be directly correlated to the thickness of the polymer.

When the bearing is worn too far in one direction for proper operation... the insert can be flipped 180°

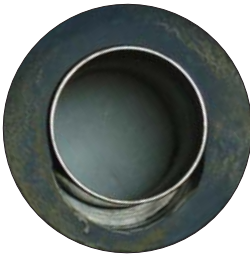


Fig 1

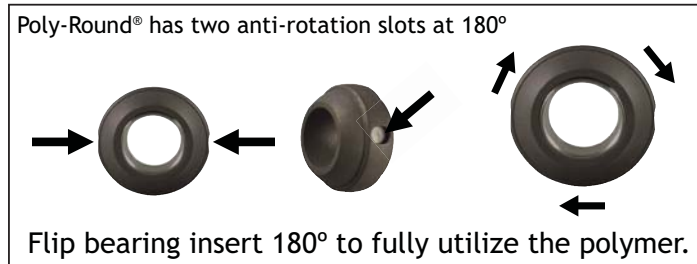


Fig 2

Poly-Round® bearings are ideal for tough applications where ball bearings don't perform as reliably as desired, such as:

- Sanitary – HACCP
- High or low temperature
- Wash-down or steam
- Exposure to processing liquids, chemicals
- Incomplete rotation or oscillating motion
- Submerged in liquids
- Locations difficult to regularly maintain
- Exposed to bulk solid contaminants

Applications where plane bearings are **not** recommended:

- High tension applications (V-belt drives, flat belt conveyors, urethane belts)
- High speed devices (fans, pumps, table top conveyors)
- Overhung loads (unsupported shaft mounted gear reducers)
- Trunnion applications

Applications where plane bearings are not suitable require ball bearings (see EDT catalog section K).

Plane bearing capacity is measured by PV and will determine the amount of heat generated in the bearing. PV is the relationship of the load to the shaft speed in a bearing. Factors influencing PV limits (heat generation) include:

- Material selection
- Journal surface finish
- Bearing wall thickness
- Running clearance
- Proximity to moisture
- Ambient temperature
- Cycle time

HOW TO CALCULATE PV

PV - $P \times V$
P - pressure in PSI (lbs/sq in)
V - velocity in SFM (surface ft/min)
P - F/A
 where F = force (load) on bearing
 A = shaft dia (in) x LTB
 (LTB = bearing length through the bore)
V - $.262 \times D \times \text{RPM}$
 where D = shaft diameter (in)
 RPM = shaft revolutions/min



Material Section Chart

	Poly-Round® Bearing Materials	PV Limit*	Maximum Speed V (SFM)	Maximum Loading P (PSI)	Continuous Operating Temp.	Performance in Moisture		Δ T Dimensional Stability with Temp Change	Chemical Resistance	Abrasion Resistance	Impact Resistance	USDA/FDA Contact Approval
						Washdown	Submerged					
Bearings	PA UHMW white	1,000	50	800	150°F	Excellent	Excellent	Poor	Excellent	Abrasion applications are very non-predictable. Each application must be tested for abrasion resistance.	Excellent	Direct
	AA white	2,000	200	1,000	160°F	Excellent	Good	Fair	Fair		Fair	Direct
	NA gray	6,000	350	2,000	200°F	Excellent	Good	Fair	Good		Excellent	Incidental
	FA white	6,000	350	1,000	500°F	Excellent	Excellent	Poor	Excellent		Excellent	Direct
	QF black	60,000	400	6,000	450°F	Excellent	Excellent	Excellent	Excellent		Fair	Incidental
	MZ black	6000	300	4,000	650°F	Excellent	Excellent	Excellent	Excellent		Fair	Incidental
	MY black	5000	250	3,000	800°F	Excellent	Excellent	Excellent	Excellent		Fair	Incidental

* PV limits are shown for unlubricated radial bearing applications. Low temperature / submerged installation may permit PV limits up to 2x higher.

What are plane bearings?

Plane bearings operate without rolling elements. The term 'plane' comes from geometry; it establishes the *plane of operation* of the centerline relative to the load.

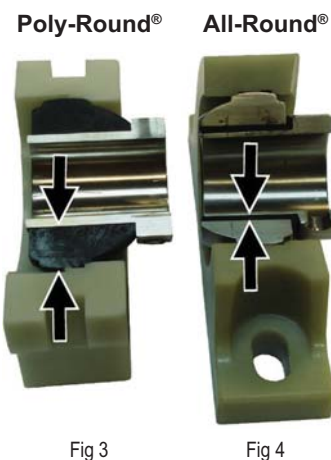
Plane bearings can be made from a variety of materials (metals, woods, polymers, other materials). Bearing-grade polymers incorporate lubricity into the material to operate without needing any grease. Plane bearings without external grease are considered Class 3 plane bearings. EDT specializes in Class 3 polymer plane bearings.

EDT offers a complete line of polymer plane bearings that interchange with UC-style (setscrew) or SA-style (eccentric) insert ball bearings.

EDT Poly-Round® (Fig 3) solid polymer inserts and All-Round® (Fig 4) polymer-and-stainless inserts are available in a variety of polymer materials, each having different ranges of capabilities (see Material Selection Chart above).

Check with EDT regarding the most appropriate style of bearing and bearing material for the specific applications you have. Poly-Round® bearings are an excellent choice on most applications where speed is not too fast. (All-Round® bearings are described in Section D of the EDT catalog.)

Arrows indicate wall thickness of polymer in EDT insert bearings



About Locking Sleeves

Benefits of using Locking Sleeves with Plane Bearings

EDT stainless steel locking sleeves protect shaft surfaces from abrasion and the normal wear caused by plane bearings. Locking sleeves provide:

- Optimal journal to increase bearing life
- Contain lateral shaft movement (replaces standard locking collar)
- Protection for shaft
- Abrasion resistant
- Repair damaged shafting

Locking sleeves must run adjacent to polymer, not against metal.

On Poly-Round®, install sleeve on either side of the insert, depending on space available (see Fig 5).

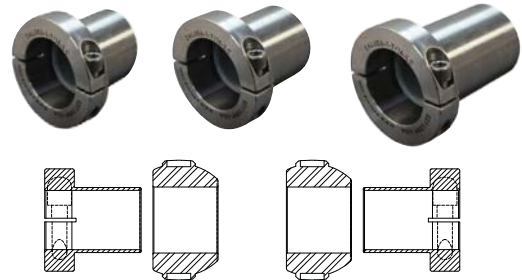
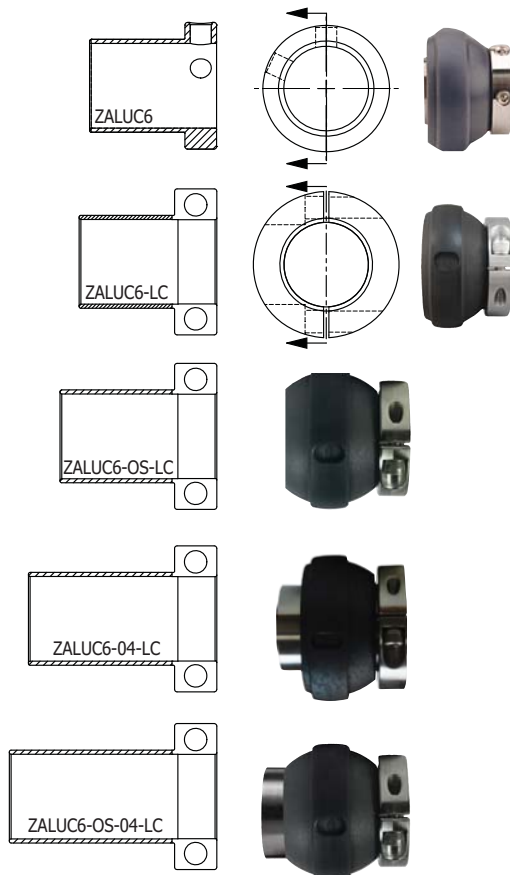


Fig 5

Comparison of setscrew locking sleeves and DoubleLock® sleeves

In some sizes, DoubleLock® sleeves have slightly wider collar than standard locking sleeves to accommodate hardware that is strong enough to draw the split flange together to properly secure around the shaft. For details on specific shaft sizes, refer to chart on page H-5.



Example: 1" Locking Sleeve Dimensional Change

- Body length remains the same at 1.14"
- ZALUC6-1 has 1-1/2" collar OD x .375 width, overall length at 1.53"
- ZALUC6-1-LC has 1-3/4" collar OD x .50 width, overall length at 1.63"

DoubleLock® is available in all sizes/styles of locking sleeves

- DoubleLock® ZALUC6-x-LC sleeve mates with standard Poly-Round®
- DoubleLock® ZAMUC6-x-LC sleeve mates with narrow Poly-Round®
- DoubleLock® ZALUC6-x-OS-LC sleeve mates with symmetrical Oven Style Poly-Round® (-HTV fixed end)
- DoubleLock® ZALUC6-x-04-LC sleeve mates with standard length Poly-Round® (-HTE expansion end)
- DoubleLock® ZALUC6-x-OS-04-LC sleeve mates with symmetrical Oven Style Poly-Round® (-HTE expansion end)

Extra Advantages of DoubleLock® sleeves over setscrew locking sleeves

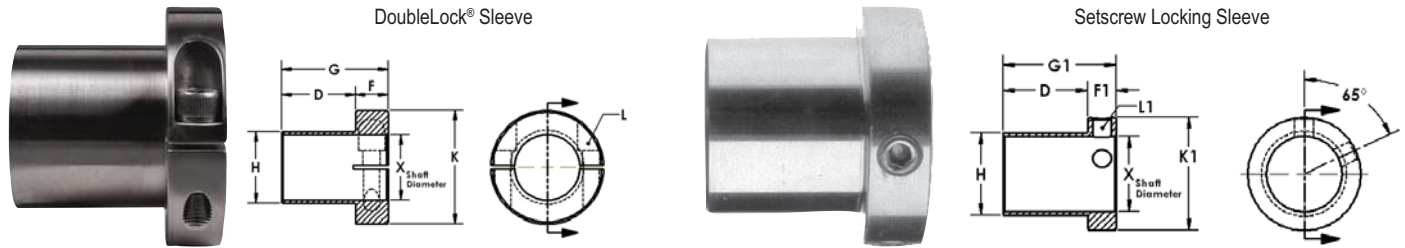
- Holds better under higher thrust loads
- Retains its position under temperature cycling

Recommended applications to definitely consider DoubleLock® sleeves

- Vertical shaft installation
- Ovens
- High load angled or vertical screw conveyor
- Freezers
- Other high thrust load drives

DoubleLock® and Setscrew Locking Sleeve

EDT locking sleeves extend life of plane bearings of any configuration



ZALU_6-04-x-04(LC) sleeve is 0.6" longer 'G' and 'G1' dimension

X= Shaft Size			H	D	DoubleLock® Sleeve					Setscrew Locking Sleeve						
					P/N Group (Ring)	Wt. in lbs.	G	F	K	L	P/N Group (Ring)	Wt. in lbs.	G1	F1	K1	L1
mm	in.	16ths	in. mm	in. mm		in. mm	in. mm	in. mm	2 ea ss SHCS		in. mm	in. mm	in. mm	2 ea SS set screw		
12	1/2	8	0.78	0.91	ZALUA6-x-LC	.18	1.38	0.44	1.49	1/4-28	ZALUA6-x	.15	1.31	0.38	1.13	1/4-28
15	9/16	9	20.0	23.2	A (203)		35.1	11.2	38		A (203)		32	9	28	
15	5/8	10			ZALUB6-x-LC	.2	1.57	0.50	1.63	1/4-28	ZALUB6-x	.15	1.44	0.38	1.25	1/4-28
17	11/16	11	23.2	26.3	B (204)		39.8	12.7	41		B (204)		35	9	31	
25	3/4	12	1.09	1.10	ZALUC6-x-LC	.2	1.63	0.50	1.75	1/4-28	ZALUC6-x	.15	1.50	0.38	1.50	1/4-28
	13/16	13	27.9	27.9	C (205)		41.4	12.7	44		C (205)		37	9	37	
30	7/8	14	1.34	1.29	ZALUD6-x-LC	.4	1.82	0.50	2.0	1/4-28	ZALUD6-x	.31	1.79	0.48	1.75	3/8-24
	15/16	15	34.3	32.7	D (206)		46.2	12.7	50		D (206)		44	12	43	
	1	16			ZALUE6-x-LC	.5	2.00	0.50	2.25	1/4-28	ZALUE6-x	.55	2.0	0.50	2.00	3/8-24
35	1-1/16	17	1.53	1.47	E (207)		50.8	12.7	57		E (207)		49	12	49	
	1-1/8	18	39.1	37.3												
40	1-3/16	19	1.71	1.60	ZALUF6-x-LC	.6	2.13	0.50	2.38	1/4-28	ZALUF6-x	.62	2.19	0.56	2.25	3/8-24
	1-1/4	20	43.8	40.6	F (208)		54.1	12.7	60		F (208)		54	14	55	
45	1-7/16	23	1.87	1.66	ZALUG6-x-LC	.8	2.32	0.63	2.75	5/16-24	ZALUG6-x	.86	2.25	0.56	2.50	3/8-24
	1-1/2	24	47.5	42.2	G (209)		58.9	15.9	70		G (209)		55	14	61	
50	1-5/8	26	2.09	1.66	ZALUH6-x-LC	1.1	2.32	0.63	3.0	5/16-24	ZALUH6-x	1.0	2.25	0.56	2.69	3/8-24
	1-11/16	27	53.3	42.2	H (210)		58.9	15.9	76		H (210)		55	14	66	
55	1-3/4	28	2.34	1.85	ZALUI6-x-LC	1.3	2.50	0.63	3.25	5/16-24	ZALUI6-x	1.3	2.44	0.56	2.88	3/8-24
	1-15/16	31	59.7	47.0	I (211)		63.6	15.9	83		I (211)		60	14	71	
60	2-1/16	33	2.53	1.44	ZALUJ6-x-LC	1.4	2.75	0.63	3.4	5/16-24	ZALUJ6-x	1.3	2.68	0.56	3.25	3/8-24
	2-1/8	34	64.5	36.5	J (212)		69.9	15.9	86		J (212)		66	14	80	
70	2-3/16	35	2.84	2.10	ZALUK6-x-LC	2.2	2.88	0.75	3.8	3/8-24	ZALUK6-x	3.0	2.88	0.75	4.00	1/2-20
	2-1/2	38	72.4	53.3	K (214)		73.2	19.1	96		K (214)		71	18	98	
75	2-5/8	42	3.14	2.10	ZALUL6-x-LC	2.3	2.88	0.75	4.13	3/8-24	ZALUL6-x	2.2	2.88	0.75	4.00	1/2-20
	2-11/16	43	79.8	53.3	L (215)		73.2	19.1	105		L (215)		71	18	98	
80	2-3/4	44	3.28	2.35	ZALUM6-x-LC	3.2	3.13	0.75	4.7	3/8-24	ZALUM6-x	3.0	3.16	0.75	4.50	1/2-20
	2-15/16	47	83.5	59.7	M (216)		79.5	18	120		M (216)		77	18	110	

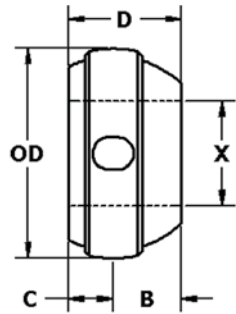


Poly-Round® and Poly-Sphere® Bearings

Dimensionally interchanges with wide inner ring insert standard Poly-Round® bearings

-- = Material Identifier (see selection chart on page H-3)

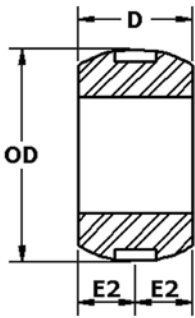
* Alphabetical shaft diameter is sized for use with locking sleeve



Poly-Round®
(-- IUCO-x)



Split Poly-Round®
(-- IUCT-x)



Poly-Sphere®
(-- OUCO-x)

NOTE: Poly-Sphere® and Split Poly-Sphere® fit into special housings

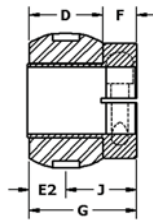


Split Poly-Sphere®
(-- OUCT-x)

Poly-Round® p/n Poly-Sphere® p/n	Group OD in	Ring OD mm	x = Shaft Diameter			OD in mm	B in mm	C in mm	D in mm	E2 in mm	Wt lbs
			mm	in	16 ^{ths}						
-- IUAO-x -- OUAO-x	A	203	12 15 17	1/2 9/16 5/8 11/16 A*	8 9 10 11	1.575 40	0.60 15.2	0.34 8.7	0.91 23.2	0.46 11.6	.1
-- IUBO-x -- OUBO-x	B	204	12 15 17 20	1/2 9/16 5/8 11/16 3/4 13/16 B*	8 9 10 11 12 13	1.850 47	0.60 15.2	0.44 11.2	1.04 26.3	0.52 13.2	.1
-- IUCO-x -- OUCO-x	C	205	25	3/4 13/16 7/8 15/16 C*	12 13 14 15 16	2.047 52	0.66 16.8	0.47 11.9	1.10 27.9	0.55 13.9	.1
-- IUDO-x -- OUDO-x	D	206	30	1 1-1/16 1-1/8 1-3/16 1-1/4 D*	16 17 18 19 20	2.441 62	0.80 20.2	0.52 13.2	1.29 32.7	0.64 16.3	.2
-- IUEO-x -- OUEO-x	E	207	35	1-3/16 1-1/4 1-5/16 1-3/8 1-7/16 E*	19 20 21 22 23	2.835 72	0.97 24.6	0.53 13.5	1.47 37.3	0.74 18.1	.3
-- IUFO-x -- OUFO-x	F	208	40	1-7/16 1-1/2 1-9/16 1-5/8 F*	23 24 25 26	3.150 80	1.01 25.6	0.59 15.0	1.60 40.6	0.80 20.3	.4
-- IUGO-x -- OUGO-x	G	209	45	1-1/2 1-5/8 1-11/16 1-3/4 G*	24 26 27 28	3.346 85	1.07 27.2	0.59 15.0	1.66 42.2	0.80 21.9	.5
-- IUHO-x -- OUHO-x	H	210	50	1-11/16 1-3/4 1-13/16 1-7/8 1-15/16 2 H*	27 28 29 30 31 32	3.543 90	1.07 27.2	0.60 15.2	1.66 42.2	0.83 21.1	.5
-- IUIO-x -- OUIO-x	I	211	55	1-15/16 2 2-1/16 2-1/8 2-3/16 2-1/4 I*	31 32 33 34 35 36	3.937 100	1.22 31.1	0.62 15.8	1.85 47.0	0.93 23.6	.6
-- IUJO-x -- OUJO-x	J	212	60	2-3/16 2-1/4 2-5/16 2-3/8 2-7/16 J*	35 36 37 38 39	4.331 110	1.44 36.5	0.66 16.8	1.44 36.5	1.05 26.7	.7
-- IUKO-x -- OUKO-x	K	214	70	2-7/16 2-1/2 2-5/8 2-11/16 2-3/4 K*	38 40 42 43 44	4.921 125	1.35 34.3	0.75 19.0	2.10 53.3	1.05 26.7	1.0
-- IULO-x -- OULO-x	L	215	75	2-11/16 2-3/4 2-13/16 2-7/8 2-15/16 3 L*	43 44 45 46 47 48	5.118 130	1.29 32.7	.81 20.5	2.10 53.3	1.05 26.7	1.1
-- IUMO-x -- OUMO-x	M	216	80	2-15/16 3 3-1/8 3-3/16 M*	47 48 50 51	5.511 140	1.51 38.4	.84 21.3	2.35 59.7	1.18 29.9	1.2

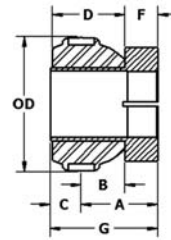
Poly-Round® and Poly-Sphere® Bearings With DoubleLock® Sleeve

Use standard inserts with standard locking sleeve to maximize bearing life

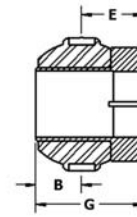


Poly-Sphere®

Sample p/n NAOUCT-1-LC (split insert)
 Sample p/n NAOUCO-1-LC (1 piece insert)
 NOTE: Requires special housing.



View A (standard)



View B



Poly-Round®

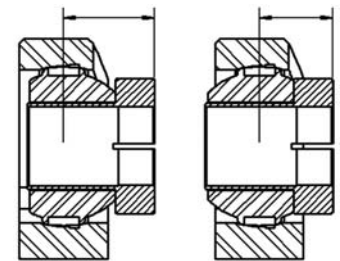
Sample p/n NAIUC7-1-LC

LC indicates DoubleLock® sleeve.
 No suffix after shaft size indicates setscrew sleeve.

-- = Material Identifier (see selection chart on page H-3)

DoubleLock® p/n Setscrew p/n	x = Shaft Diameter			OD	A	B	C	D	E	E2	F	G	G1	J	Replacement Polymer Bearing	Wt												
	Group	Ring															mm	in	16 ^{ths}	in	in	in	in	in	in	in	in	mm
-- IUA7-x-LC -- IUA7-x A 1.575	203	40	12	1/2	8	1.575	1.04	0.60	0.34	0.91	0.75	0.46	0.44	0.96	-- IUAO-A ZALUA6-x-LC	.2												
			15	9/16	9												10	40.0	26.4	15.2	8.7	23.2	19.1	11.6	11.2	1.38	1.23	24.3
			17	5/8	10												11											
-- IUB7-x-LC -- IUB7-x B 1.850	204	47	12	1/2	8	1.850	1.10	0.60	0.44	1.04	0.94	0.52	0.50	1.02	-- IUBO-B ZALUB6-x-LC	.3												
			15	9/16	9												11	47.0	27.9	15.2	11.2	26.3	23.8	13.2	12.7	1.57	1.42	25.9
			17	5/8	10												12											
-- IUC7-x-LC -- IUC7-x C 2.047	205	52	12	3/4	12	2.047	1.16	0.66	0.47	1.10	0.94	0.55	0.50	1.05	-- IUCO-C ZALUC6-x-LC	.4												
			15	13/16	13												14	52.0	29.5	16.8	11.9	27.9	23.8	13.9	12.7	1.63	1.48	26.7
			17	7/8	14												15											
-- IUD7-x-LC -- IUD7-x D 2.441	206	62	12	1	16	2.441	1.30	0.80	0.52	1.29	0.99	0.64	0.50	1.14	-- IUDO-D ZALUD6-x-LC	.6												
			15	1-1/16	17												18	62.0	32.9	20.2	13.2	32.7	25.1	16.3	12.7	1.82	1.77	29.0
			17	1-1/8	18												19											
-- IUE7-x-LC -- IUE7-x E 2.835	207	72	12	1-3/16	19	2.835	1.47	0.97	0.53	1.47	1.00	0.74	0.50	1.26	-- IUEO-E ZALUE6-x-LC	.8												
			15	1-1/4	20												21	72.0	37.3	24.6	13.5	37.3	25.4	18.1	12.7	2.00	1.97	32.0
			17	1-5/16	21												22											
-- IUF7-x-LC -- IUF7-x F 3.150	208	80	12	1-7/16	23	3.150	1.51	1.01	0.59	1.60	1.09	0.80	0.50	1.30	-- IUFO-F ZALUF6-x-LC	1.0												
			15	1-1/2	24												25	80.0	38.3	25.6	15.0	40.6	27.8	20.3	12.7	2.13	2.16	33.0
			17	1-9/16	25												26											
-- IUG7-x-LC -- IUG7-x G 3.346	209	85	12	1-1/2	24	3.346	1.69	1.07	0.59	1.66	1.22	0.80	0.63	1.46	-- IUGO-G ZALUG6-x-LC	1.2												
			15	1-5/8	26												27	85.0	43.0	27.2	15.0	42.2	31.0	21.9	15.9	2.32	2.23	37.0
			17	1-11/16	27												28											
-- IUH7-x-LC -- IUH7-x H 3.543	210	90	12	1-11/16	27	3.543	1.69	1.07	0.60	1.66	1.22	0.83	0.63	1.48	-- IUHO-H ZALUH6-x-LC	1.3												
			15	1-3/4	28												29	90.0	43.0	27.2	15.2	42.2	31.0	21.1	15.9	2.32	2.23	37.6
			17	1-13/16	29												30											
-- IUI7-x-LC -- IUI7-x I 3.937	211	100	12	1-15/16	31	3.937	1.85	1.22	0.62	1.85	1.25	0.93	0.63	1.58	-- IUIO-I ZALUI6-x-LC	1.8												
			15	2	32												33	100.0	47.0	31.1	15.8	47.0	31.8	23.6	15.9	2.50	2.41	40.1
			17	2-1/16	33												34											
-- IUJ7-x-LC -- IUJ7-x J 4.331	212	110	12	2-3/16	35	4.331	2.06	1.44	0.66	1.44	1.28	1.05	0.63	1.70	-- IUJO-J ZALUJ6-x-LC	2.0												
			15	2-1/4	36												37	110.0	52.4	36.5	16.8	36.5	32.5	26.7	15.9	2.75	2.66	43.2
			17	2-5/16	37												38											
-- IUK7-x-LC -- IUK7-x K 4.921	214	125	12	2-7/16	38	4.921	2.10	1.35	0.75	2.10	1.50	1.05	0.75	1.83	-- IUKO-K ZALUK6-x-LC	4.0												
			15	2-1/2	40												42	125.0	53.3	34.3	19.0	53.3	38.1	26.7	19.1	2.88	2.85	46.5
			17	2-5/8	42												43											
-- IUL7-x-LC -- IUL7-x L 5.118	215	130	12	2-11/16	43	5.118	2.04	1.29	.81	2.10	1.56	1.05	0.75	1.83	-- IULO-L ZALUL6-x-LC	3.4												
			15	2-3/4	44												45	130.0	51.8	32.7	20.5	53.3	39.7	26.7	19.1	2.88	2.85	46.5
			17	2-13/16	45												46											
-- IUM7-x-LC -- IUM7-x M 5.511	216	140	12	2-15/16	47	5.511	2.26	1.51	.84	2.35	1.59	1.18	0.75	1.93	-- IUMO-M ZALUM6-x-LC	4.2												
			15	3	48												50	140.0	57.4	38.4	21.3	59.7	40.4	29.9	19.1	3.13	3.13	49.0
			17	3-1/8	49												51											

Profile of a Poly-Round® bearing in a housing



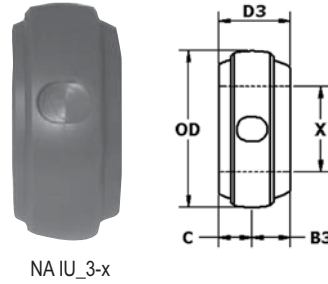
View A (standard)

View B



Narrow Poly-Round® Bearings

Dimensionally interchanges with narrow inner ring (light duty) insert bearings



NA IU_3-x

__ = Material Identifier (see selection chart on page H-3)

* Alphabetical shaft diameter is sized for use with locking sleeve



PA IU_3-x



QF IU_3-x

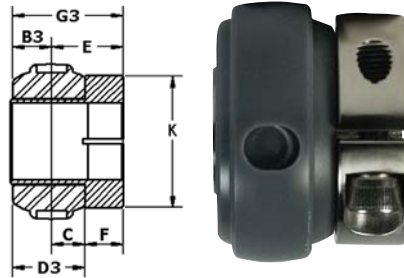


FA IU_3-x

PART #	x = Shaft Diameter			B3	C	D3	Wt				
	Group	Ring OD in	OD mm					mm	in	16 ^{ths}	in
__ IUA3-x											
A	203	40	12	1/2	8	0.38	0.34	0.69	.1		
1.575			15	9/16	9						
			17	5/8	10						
				11/16	11						
				A*							
__ IUB3-x											
B	204	47	12	1/2	8	0.38	0.44	0.81	.1		
1.850			15	9/16	9						
			17	5/8	10						
			20	11/16	11						
				3/4	12						
				13/16	13						
				B*							
__ IUC3-x											
C	205	52	25	3/4	12	0.50	0.47	0.94	.1		
2.047				13/16	13						
				7/8	14						
				15/16	15						
				1	16						
				C*							
__ IUD3-x											
D	206	62	30	1	16	0.52	0.52	1.01	.2		
2.441				1-1/16	17						
				1-1/8	18						
				1-3/16	19						
				1-1/4	20						
				D*							
__ IUE3-x											
E	207	72	35	1-3/16	19	0.66	0.53	1.16	.3		
2.835				1-1/4	20						
				1-5/16	21						
				1-3/8	22						
				1-7/16	23						
				E*							
__ IUF3-x											
F	208	80	40	1-7/16	23	0.75	0.59	1.35	.4		
3.150				1-1/2	24						
				1-9/16	25						
				1-5/8	26						
				F*							
__ IUG3-x											
G	209	85	45	1-1/2	24	0.73	0.59	1.33	.5		
3.346				1-5/8	26						
				1-11/16	27						
				1-3/4	28						
				G*							
__ IUH3-x											
H	210	90	50	1-11/16	27	0.83	0.60	1.42	.5		
3.543				1-3/4	28						
				1-13/16	29						
				1-7/8	30						
				1-15/16	31						
				2	32						
				H*							
__ IUI3-x											
I	211	100	55	1-15/16	31	0.96	0.62	1.58	.6		
3.937				2	32						
				2-1/16	33						
				2-1/8	34						
				2-3/16	35						
				2-1/4	36						
				I*							
__ IUJ3-x											
J	212	110	60	2-3/16	35	1.30	0.66	1.30	.7		
4.331				2-1/4	36						
				2-5/16	37						
				2-3/8	38						
				2-7/16	39						
				J*							
__ IUK3-x											
K	214	125	70	2-7/16	38	1.20	0.75	1.95	1.0		
4.921				2-1/2	40						
				2-5/8	42						
				2-11/16	43						
				2-3/4	44						
				K*							

Narrow Poly-Round® Bearings with DoubleLock® Sleeve

Use narrow inserts with 'ER length' (short) locking sleeves where there is not sufficient length for standard length Poly-Round® bearings



NA IU_4-x-LC

-- = Material Identifier (see selection chart on page H-3)

LC indicates DoubleLock® sleeve. No suffix after shaft size indicates setscrew sleeve.

PART #	x = Shaft Diameter			B3	C	D3	E	F	G3	K	Replacement Polymer Bearing	Replacement DoubleLock® Sleeve	Wt	
	Group	Ring	OD										in	lbs
	in	mm	16 ^{ths}	in	in	in	in	in	in	in				
-- IUA4-x-LC	A	203	12	1/2	8	0.38	0.34	0.69	0.75	0.44	1.16	1.49	-- IUA3-A	.2
		40	15	9/16	9	9.6	8.7	17.5	19.1	11.2	29.4	38	ZAMUA6-x-LC	
			17	5/8	10									
				11/16	11									
-- IUB4-x-LC	B	204	12	1/2	8	0.38	0.44	0.81	0.94	0.50	1.35	1.63	-- IUB3-B	.3
		47	15	9/16	9	9.6	11.2	20.7	23.8	12.7	34.2	41	ZAMUB6-x-LC	
			17	5/8	10									
			20	11/16	11									
				3/4	12									
				13/16	13									
				7/8	14									
				15/16	15									
				1	16									
-- IUC4-x-LC	C	205	25	3/4	12	0.50	0.47	0.94	0.94	0.50	1.47	1.75	-- IUC3-C	.4
		52		13/16	13	12.8	11.9	23.9	23.8	12.7	37.3	44	ZAMUC6-x-LC	
				7/8	14									
				15/16	15									
				1	16									
-- IUD4-x-LC	D	206	30	1	16	0.52	0.52	1.01	0.99	0.50	1.54	2.0	-- IUD3-D	.6
		62		1-1/16	17	13.3	13.2	25.7	25.1	12.7	39.2	50	ZAMUD6-x-LC	
				1-1/8	18									
				1-3/16	19									
				1-1/4	20									
-- IUE4-x-LC	E	207	35	1-3/16	19	0.66	0.53	1.16	1.00	0.50	1.69	2.25	-- IUE3-E	.8
		72		1-1/4	20	16.7	13.5	29.4	25.4	12.7	42.8	57	ZAMUE6-x-LC	
				1-5/16	21									
				1-3/8	22									
				1-7/16	23									
-- IUF4-x-LC	F	208	40	1-7/16	23	0.75	0.59	1.35	1.09	0.50	1.87	2.38	-- IUF3-F	1.0
		80		1-1/2	24	19.1	15.0	34.2	27.8	12.7	47.6	60	ZAMUF6-x-LC	
				1-9/16	25									
				1-5/8	26									
-- IUG4-x-LC	G	209	45	1-1/2	24	0.73	0.59	1.33	1.22	0.63	1.98	2.75	-- IUG3-G	1.2
		85		1-5/8	26	18.6	15.0	33.7	31.0	15.9	50.3	70	ZAMUG6-x-LC	
				1-11/16	27									
				1-3/4	28									
-- IUH4-x-LC	H	210	50	1-11/16	27	0.83	0.60	1.42	1.22	0.63	2.07	3.0	-- IUH3-H	1.3
		90		1-3/4	28	21.0	15.2	36.1	31.0	15.9	52.7	76	ZAMUH6-x-LC	
				1-13/16	29									
				1-7/8	30									
				1-15/16	31									
				2	32									
-- IUI4-x-LC	I	211	55	1-15/16	31	0.96	0.62	1.58	1.25	0.63	2.24	3.25	-- IUI3-I	1.8
		100		2	32	24.3	15.8	40.1	31.8	15.9	56.8	83	ZAMUI6-x-LC	
				2-1/16	33									
				2-1/8	34									
				2-3/16	35									
				2-1/4	36									
-- IUJ4-x-LC	J	212	60	2-3/16	35	1.30	0.66	1.30	1.28	0.63	2.61	3.4	-- IUJ3-J	2.0
		110		2-1/4	36	32.9	16.8	32.9	32.5	15.9	66.2	86	ZAMUJ6-x-LC	
				2-5/16	37									
				2-3/8	38									
				2-7/16	39									
-- IUK4-x-LC	K	214	70	2-7/16	38	1.20	0.75	1.95	1.50	0.75	2.73	3.8	-- IUK3-K	4.0
		125		2-1/2	40	30.5	19.0	49.5	38.1	19.1	69.3	96	ZAMUK6-x-LC	
				2-5/8	42									
				2-11/16	43									
				2-3/4	44									



PA IU_4-x-LC

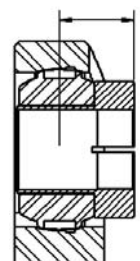


QF IU_4-x-LC



FA IU_4-x-LC

Profile of a narrow Poly-Round® in a housing



Look at the savings that can be realized by changing from ball bearings to EDT Poly-Round® bearings



COMPARE THE COSTS OF OWNERSHIP OF EDT NA Poly-Round® Solution® Bearings ON STRAIGHT RUN MODULAR PLASTIC OR WIRE BELT CONVEYORS

EDT bearings save money, time, and labor!

Cost of original bearing (Non-corrosive ball bearing in polymer housing)

Based on replacing bearing and housing every 6 months



1st Year

Cost to purchase original bearing & housing F2BSCEZ100	\$114.17
Cost to initially install bearing Labor (1 hour at \$30/hr)	\$30.00
Cost of bearing and installation	\$144.17
Bearing change-outs per year 52 weeks divided by 6 months	x 2
1 year cost to buy/install bearings	\$288.34
Cost of lubricant: Lubriplate® LFG 1 oz per week at 55¢/oz	\$0.55
Labor: 50¢ per min x 1 min	0.50
PM frequency: 2 times per week	x 104
	\$109.20
Total 1 year bearing cost	\$397.54
x number of bearings per machine	4
One year cost of bearings per machine	\$1,590.16

Cost of EDT NA Poly-Round® Solution® (Poly-Round® polymer insert in polymer housing)

Based on re-using housing and sleeve, and replacing only the insert every 12 months



1st Year

Cost to purchase EDT bearing & housing NA2GC7-16-LK	\$167.00
Cost to initially install bearing Labor (1 hour at \$30/hr)	\$30.00
Cost of bearing and installation	\$197.00
Poly-Round® bearing guaranteed to run 12 months with zero maintenance	
1 year cost to buy/install bearings	\$197.00
Cost of lubricant: EDT Poly-Round® bearing is greaseless	\$0.00
Total 1 year bearing cost	\$197.00
x number of bearings per machine	4
One year cost of bearings per machine	\$788.00

Machine's 1 year cost with original bearings \$1,590.16
versus 1 year cost with EDT bearings \$788.00

Savings per machine \$802.16

x 6 modular belt conveyors per facility

One year savings with EDT bearings!

\$4,812.96

2nd Year

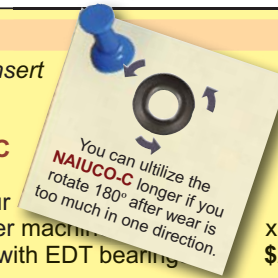
Continue same costs as 1st year

Total 2nd year bearing cost	\$397.54
x number of bearings per machine	x 4
2nd year machine cost with original bearings	\$1,590.16
Total 2-year cost of bearings on 1 machine	\$3,180.32

2nd Year

Replace Poly-Round® insert

Poly-Round® NAIUCO-C	\$38.00
Labor: \$30/hour x 1 hour	\$30.00
x number of bearings per machine	x 4
2nd year machine cost with EDT bearings	\$272.00
Total 2-year cost of bearings on 1 machine	\$1,060.00



Machine's 2 year cost with original bearings \$3,180.32
versus 2 year cost with EDT bearings \$1,060.00

Savings per machine \$2,120.32

x 6 modular belt conveyors per facility

Savings over 2 years using EDT bearings!

\$12,721.92

Plus significantly reduced maintenance scheduling and less downtime!

The above illustration is based on average plant conditions.
Individual results can vary based on installation and maintenance practices, and environmental conditions.

0513

FREEZER BEARINGS



Self aligning polymer plane bearings eliminate problems of grease operating in low temperatures

Poly-Round® bearings have NO moving parts, therefore they require NO GREASE
EDT Poly-Round® bearings are ideal for low temperature operations like

- Spiral freezers
- Freezer input conveyors
- Ice makers, ice rakes
- Any equipment that has movement at temperatures below freezing (32°F/0°C) where standard lubricants do not operate well because of the low temperature

3 Bearing options: Which to choose?^

- For 32°F to -40°F use 'NA' freezer bearing NAIU_7-xB-LC
- For -40°F to cryogenic use either
 - a. Cut style 'PA' Poly-Round® PAIU_7-xBC-LC
Most reliable performance when application is within PV paramaters*
 - b. 'QF' freezer bearing QFIU_7-xB-LC
When PV design limit of the equipment is beyond 'PA'

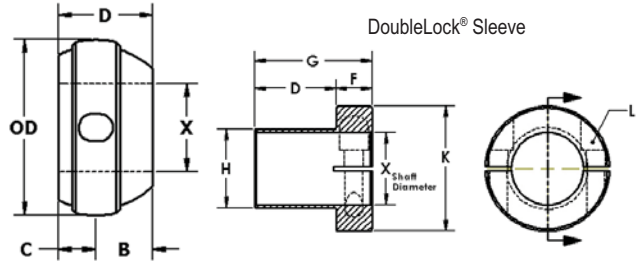
^ Low temperature housing selection: KG polymer acceptable to -40°F (Section D); lower temperature requires stainless (Section F).

* Low temperature installation may permit PV limits up to 2x higher than charted limits (page C-3).

Poly-Round® Freezer Bearings

Freezer Poly-Round® bearings are specially bored for low temp environments.

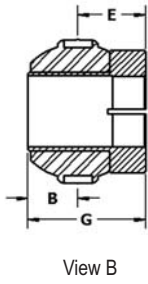
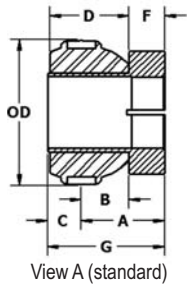
Mate with standard DoubleLock® sleeves to maximize bearing life.



Low temp PA split	Low temp NA, QF	DoubleLock® Sleeve part #	x = Shaft Diameter			Ring Size Industry EDT OD in inches OD in mm	K in mm	H in mm	D in mm	F in mm	G in mm	L 2 ea SHCS				
			mm	in	16 ^{ths}											
PAIUAO-ABC	NAIUAO-AB QFIUAO-AB	ZALUA6-x-LC	12	1/2	8	203	1.49	0.78	59/64	0.44	1.38	1/4-28				
			15	9/16	9	A							38	20.0	11.2	35.1
			17	5/8	10	1.575							40			
PAIUBO-BBC	NAIUBO-BB QFIUBO-BB	ZALUB6-x-LC	12	1/2	8	204	1.63	0.90	1-3/64	0.50	1.57	1/4-28				
			15	9/16	9	B							41	23.2	12.7	39.8
			17	5/8	10	1.850							47			
			17	11/16	11	1.850							47			
			20	3/4	12	1.850							47			
PAIUCO-CBC	NAIUCO-CB QFIUCO-CB	ZALUC6-x-LC	25	3/4	12	205	1.75	1.09	1-7/64	0.50	1.63	1/4-28				
				13/16	13	C							44	27.9	12.7	41.4
				7/8	14	2.047							52			
				15/16	15	2.047							52			
				1	16	2.047							52			
PAIU DO-DBC	NAIU DO-DB QFIU DO-DB	ZALUD6-x-LC	30	1	16	206	2.0	1.34	1-19/64	0.50	1.82	1/4-28				
				1-1/16	17	D							50	34.3	12.7	46.2
				1-1/8	18	2.441							62			
				1-3/16	19	2.441							62			
				1-1/4	20	2.441							62			
PAIU EO-EBC	NAIU EO-EB QFIU EO-EB	ZALUE6-x-LC	35	1-3/16	19	207	2.25	1.53	1-31/64	0.50	2.00	1/4-28				
				1-1/4	20	E							57	39.1	12.7	50.8
				1-5/16	21	2.835							72			
				1-3/8	22	2.835							72			
				1-7/16	23	2.835							72			
PAIU FO-FBC	NAIU FO-FB QFIU FO-FB	ZALUF6-x-LC	40	1-7/16	23	208	2.38	1.71	1-39/64	0.50	2.13	1/4-28				
				1-1/2	24	F							60	43.8	12.7	54.1
				1-9/16	25	3.150							80			
				1-5/8	26	3.150							80			
				1-5/8	26	3.150							80			
PAIU GO-GBC	NAIU GO-GB QFIU GO-GB	ZALUG6-x-LC	45	1-1/2	24	209	2.75	1.87	1-43/64	0.63	2.32	5/16-24				
				1-5/8	26	G							70	47.5	15.9	58.9
				1-11/16	27	3.346							85			
				1-3/4	28	3.346							85			
				1-3/4	28	3.346							85			
PAIU HO-HBC	NAIU HO-HB QFIU HO-HB	ZALUH6-x-LC	50	1-11/16	27	210	3.0	2.09	1-43/64	0.63	2.32	5/16-24				
				1-3/4	28	H							76	53.3	15.9	58.9
				1-13/16	29	3.543							90			
				1-7/8	30	3.543							90			
				1-15/16	31	3.543							90			
PAIU IO-IBC	NAIU IO-IB QFIU IO-IB	ZALUI6-x-LC	55	1-15/16	31	211	3.25	2.34	1-55/64	0.63	2.50	5/16-24				
				2	32	I							83	59.7	15.9	63.6
				2-1/16	33	3.937							100			
				2-1/8	34	3.937							100			
				2-3/16	35	3.937							100			
PAIU JO-JBC	NAIU JO-JB QFIU JO-JB	ZALUJ6-x-LC	60	2-3/16	35	212	3.4	2.53	2-3/32	0.63	2.75	5/16-24				
				2-1/4	36	J							86	64.5	15.9	69.9
				2-5/16	37	4.331							110			
				2-3/8	38	4.331							110			
				2-7/16	39	4.331							110			
PAIU AK-KBC	NAIU KO-KB QFIU KO-KB	ZALUK6-x-LC	70	2-7/16	38	214	3.8	2.84	2-7/64	0.75	2.88	3/8-24				
				2-1/2	40	K							96	72.4	19.1	73.2
				2-5/8	42	4.921							125			
				2-11/16	43	4.921							125			
				2-3/4	44	4.921							125			
PAIU LO-LBC	NAIU LO-LB QFIU LO-LB	ZALUL6-x-LC	75	2-11/16	43	215	4.13	3.14	2-7/64	0.75	2.88	3/8-24				
				2-3/4	44	L							105	79.8	19.1	73.2
				2-13/16	45	5.118							130			
				2-7/8	46	5.118							130			
				2-15/16	47	5.118							130			
PAIU MO-MBC	NAIU MO-MB QFIU MO-MB	ZALUM6-x-LC	80	2-15/16	47	216	4.7	3.28	2-11/32	0.75	3.13	3/8-24				
				3	48	M							120	83.5	19.1	79.5
				3-1/8	50	5.511							140			
	3-3/16	51	5.511	140												

Poly-Round® Freezer Bearing with DoubleLock® Sleeve

The assembly of freezer bearing and sleeve won't rust, and stays firmly located.



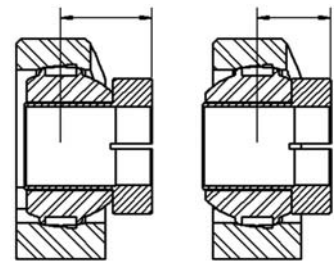
Sample p/n PAIUC7-1BC-LC



Sample p/n QFIUC7-1B-LC

Assembly Part #	X = Shaft Diameter			A	E	B	C	D	F	G	Wt
	mm	in	16 ^{ths}								
NAIUA7-xB-LC PAIUA7-xBC-LC QFIUA7-xB-LC	12 15 17	1/2 9/16 5/8 11/16	8 9 10 11	1.04 26.4	0.75 19.1	0.60 15.2	0.34 8.7	0.91 23.2	0.44 11.2	1.38 35.1	.2
NAIUB7-xB-LC PAIUB7-xBC-LC QFIUB7-xC-LC	12 15 17 20	1/2 9/16 5/8 11/16 3/4 13/16	8 9 10 11 12 13	1.10 27.9	0.94 23.8	0.60 15.2	0.44 11.2	1.04 26.3	0.50 12.7	1.57 39.8	.3
NAIUC7-xB-LC PAIUC7-xBC-LC QFIUC7-xB-LC	25	3/4 13/16 7/8 15/16 1	12 13 14 15 16	1.16 29.5	0.94 23.8	0.66 16.8	0.47 11.9	1.10 27.9	0.50 12.7	1.63 41.4	.4
NAIUD7-xB-LC PAIUD7-xBC-LC QFIUD7-xB-LC	30	1 1-1/16 1-1/8 1-3/16 1-1/4	16 17 18 19 20	1.30 32.9	0.99 25.1	0.80 20.2	0.52 13.2	1.29 32.7	0.50 12.7	1.82 46.2	.6
NAIUE7-xB-LC PAIUE7-xBC-LC QFIUE7-xB-LC	35	1-3/16 1-1/4 1-5/16 1-3/8 1-7/16	19 20 21 22 23	1.47 37.3	1.00 25.4	0.97 24.6	0.53 13.5	1.47 37.3	0.50 12.7	2.00 50.8	.8
NAIUF7-xB-LC PAIUF7-xBC-LC QFIUF7-xB-LC	40	1-7/16 1-1/2 1-9/16 1-5/8	23 24 25 26	1.51 38.3	1.09 27.8	1.01 25.6	0.59 15.0	1.60 40.6	0.50 12.7	2.13 54.1	1.0
NAIUG7-xB-LC PAIUG7-xBC-LC QFIUG7-xB-LC	45	1-1/2 1-5/8 1-11/16 1-3/4	24 26 27 28	1.69 43.0	1.22 31.0	1.07 27.2	0.59 15.0	1.66 42.2	0.63 15.9	2.32 58.9	1.2
NAIUH7-xB-LC PAIUH7-xBC-LC QFIUH7-xB-LC	50	1-11/16 1-3/4 1-13/16 1-7/8 1-15/16 2	27 28 29 30 31 32	1.69 43.0	1.22 31.0	1.07 27.2	0.60 15.2	1.66 42.2	0.63 15.9	2.32 58.9	1.3
NAIUI7-xB-LC PAIUI7-xBC-LC QFIUI7-xB-LC	55	1-15/16 2 2-1/16 2-1/8 2-3/16 2-1/4	31 32 33 34 35 36	1.85 47.0	1.25 31.8	1.22 31.1	0.62 15.8	1.85 47.0	0.63 15.9	2.50 63.6	1.8
NAIUJ7-xB-LC PAIUJ7-xBC-LC QFIUJ7-xB-LC	60	2-3/16 2-1/4 2-5/16 2-3/8 2-7/16	35 36 37 38 39	2.06 52.4	1.28 32.5	1.44 36.5	0.66 16.8	1.44 36.5	0.63 15.9	2.75 69.9	2.0
NAIUK7-xB-LC PAIUK7-xBC-LC QFIUK7-xB-LC	70	2-7/16 2-1/2 2-5/8 2-11/16 2-3/4	38 40 42 43 44	2.10 53.3	1.50 38.1	1.35 34.3	0.75 19.0	2.10 53.3	0.75 19.1	2.88 73.2	4.0
NAIUL7-xB-LC PAIUL7-xBC-LC QFIUL7-xB-LC	75	2-11/16 2-3/4 2-13/16 2-7/8 2-15/16 3	43 44 45 46 47 48	2.04 51.8	1.56 39.7	1.29 32.7	.81 20.5	2.10 53.3	0.75 19.1	2.88 73.2	3.4
NAIUM7-xB-LC PAIUM7-xBC-LC QFIUM7-xB-LC	80	2-15/16 3 3-1/8 3-3/16	47 48 50 51	2.26 57.4	1.59 40.4	1.51 38.4	.84 21.3	2.35 59.7	0.75 19.1	3.13 79.5	4.2

Profile of a Freezer Poly-Round® in a housing



View A (standard)

View B

Poly-Round® mounted bearings available for all styles and sizes of bearings 1/2" to 3-7/16"

Poly-Round® bearings can be installed in EDT housings or bearing housings by other manufacturers. See EDT catalog Section B (AMBER) for dimensions of mounted bearings.

When installing Poly-Round® bearings in a non-EDT housing

For anti-rotation device: DO NOT use the existing tapped hole of grease fitting. Instead, the following will apply:

1. Drill and tap a 1/4-28 hole on the centerline of the spherical ID.
2. Insert the Poly-Round® into the housing (freeze bearing for easier assembly).
3. Align one of the anti-rotation slots of the bearing with the tapped hole of the housing.
4. Thread setscrew through the housing and into the Poly-Round® anti-rotation slot (setscrew provided with Poly-Round®).
5. Setscrew should be screwed down until it just touches the bottom of the slot.
6. Then, **reverse** the setscrew (back it out) one FULL turn (360°).
7. EDT plugs any other holes in the housing with a very short setscrew so the hole is not a contamination trap, or gives an impression that "something is missing."
8. The setscrews in the housing should NOT be adjusted after this time.
Do NOT adjust the housing setscrew when housing is mounted on the equipment.

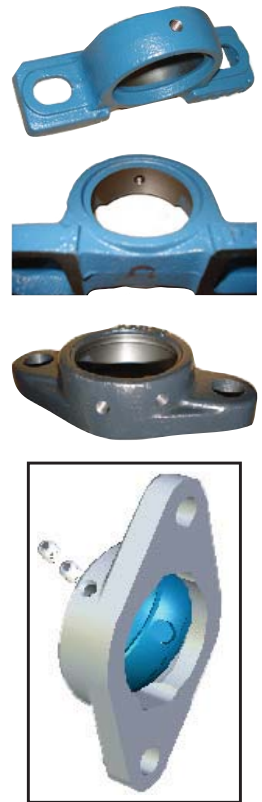


Fig 7-1

Installing Poly-Round® bearing into EDT housing

NOTE: Fig 7-1: Remove two (2) setscrews from an EDT housing in order to replace the Poly-Round® bearing.

Step 1: Put new bearing into a freezer or into ice water for an hour. Poly-Round® bearings are made for a snug fit into the housing. Chilling the polymer will shrink it and make it easier to install, but it is still possible without chilling.

Step 2: Fig 7-2: Establish orientation of the insert into the housing (the slot on the bearing O.D. should be directly under the tapped hole in the housing). Roll the chilled bearing into the housing. If necessary, use a bar in the bearing bore to assist; the diameter of the bar should be as close to the bearing bore as possible (a wood or plastic bar is preferable because it will reduce possible damage).

Step 3: Fig 7-3: Install two setscrews through the housing. The 1st setscrew (the longest one) will make contact with the bottom of the slot in the bearing and then will be reversed 1 full turn. The 2nd setscrew will go on top of the 1st to lock it in place and to fill up the hole.

Fig 7-4: Current Poly-Round® bearings include two anti-rotation slots on the spherical outer diameter. One of these should be used in every installation. The second slot is used when the insert is flipped 180° after use, which doubles the life of the bearing.

The anti-rotation slot:

- Allows insert to be retained within a range of motion so it can align with the shaft.
- Keeps insert in place (so it doesn't spin) while the operating temperature increases to lock the bearing in the housing. (The bearing expands more than the housing.)

Additional directions for mounting the assembly onto equipment can be found in the EDT catalog on page O-8, or online at <http://edtcorp.com/e.userhandbook/userhandbook.html>, and go to page 8.



Fig 7-2



Fig 7-3



See: EDT Poly-Round® Installation video:
<http://www.youtube.com/watch?v=N8mXjrZbwYA>

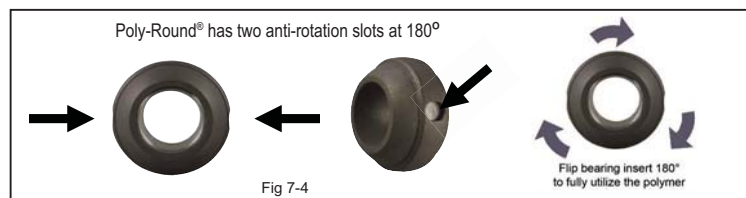


Fig 7-4

Oven Bearings

Cast steel housing
oven bearing:
expansion end



Machined stainless
housing oven bearing:
fixed end



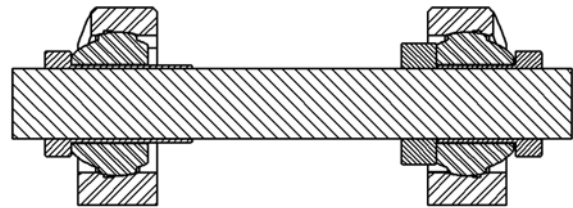
Cast stainless housing
oven bearing



HTE - Expansion end



HTV - Fixed end



EDT exclusive design accommodates shaft expansion

EDT no-grease Poly-Round®* bearings operate reliably in high temperatures with ZERO maintenance

- 'Fixed' and 'floating' (expansion) options available
 - Expansion is accommodated with longer DoubleLock® sleeve
 - 'Fixed' bearing set includes DoubleLock® sleeve and a split collar (stainless steel)
- QF polymer bearing material is rated to 450°F
 - FA polymer bearing material offers high-temp with FDA-approval for direct and continuous food or pharmaceutical contact
 - Other materials available for intermittent temperatures between 450° and 950°F**
- Poly-Round® insert for high temp is dimensioned to allow for part and equipment expansion at elevated temperature
 - High-temperature Poly-Round® is denoted with suffix '-HT'
- On new equipment: consider EDT's OS (oven style) high temp bearings that offer higher PV capability and easiest installation
 - Fixed and floating OS Poly-Round® bearings available (insert part number suffix '-OS')



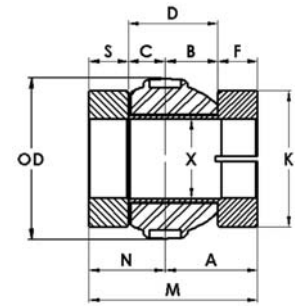
* All of this information also applies to EDT Poly-Sphere® bearings. Poly-Sphere® bearings require special housing.

** MZ and MY plane bearings that operate above 500°F do so at lower speed and load limits than QF.

Poly-Round® Oven Bearings: Fixed End

Oven Poly-Round® bearings are specially dimensioned for high temp environments.

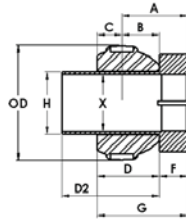
Fixed-end units securely locate shaft within the bearing.



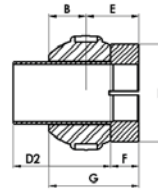
x = Shaft Diameter			Ring Size	Fixed End Components			Bearing Assembly	S	N	F	D	M
mm	in	16 ^{ths}	Industry EDT OD in OD mm	Poly-Round® Insert	DoubleLock® sleeve Fixed End	Split collar V = single split W = double split		in mm	in mm	in mm	in mm	in mm
12	1/2	8	203	QFIUAO-A-HT	ZALUA6-x-LC	ZATVAO-x	QFIUA7-x-LCHTV	.45 11.4	.79 20.0	0.44 11.2	0.91 23.2	1.23 31.2
15	5/8	10	A 9 1.575									
17	11/16	11	40									
12	1/2	8	204	QFIUBO-B-HT	ZALUB6-x-LC	ZATVBO-x	QFIUB7-x-LCHTV	.5 12.7	.94 23.9	0.50 12.7	1.04 26.3	1.44 36.6
15	5/8	10	B 9 1.850									
17	11/16	11	47									
17	3/4	12	205	QFIUCO-C-HT	ZALUC6-x-LC	ZATVCO-x	QFIUC7-x-LCHTV	.5 12.7	.97 24.6	0.50 12.7	1.10 27.9	1.47 37.3
25	13/16	13	C 13 2.047									
25	7/8	14	52									
30	1	16	206	QFIUDO-D-HT	ZALUD6-x-LC	ZATVDO-x	QFIUD7-x-LCHTV	.5 12.7	1.02 25.9	0.50 12.7	1.29 32.7	1.52 38.6
30	1-1/16	17	D 17 2.441									
30	1-1/8	18	62									
35	1-3/16	19	207	QFIUEO-E-HT	ZALUE6-x-LC	ZATVEO-x	QFIUE7-x-LCHTV	.5 12.7	1.03 26.1	0.50 12.7	1.47 37.3	1.53 38.8
35	1-1/4	20	E 20 2.835									
35	1-5/16	21	72									
40	1-7/16	23	208	QFIUFO-F-HT	ZALUF6-x-LC	ZATVFO-x	QFIUF7-x-LCHTV	.5 12.7	1.09 27.6	0.50 12.7	1.60 40.6	1.59 40.4
40	1-1/2	24	F 24 3.150									
40	1-9/16	25	80									
45	1-1/2	24	209	QFIUGO-G-HT	ZALUG6-x-LC	ZATVGO-x	QFIUG7-x-LCHTV	.5 12.7	1.09 27.6	0.63 15.9	1.66 42.2	1.72 43.7
45	1-5/8	26	G 26 3.346									
45	1-11/16	27	85									
50	1-11/16	27	210	QFIUHO-H-HT	ZALUH6-x-LC	ZATVHO-x	QFIUH7-x-LCHTV	.67 17.1	1.27 32.2	0.63 15.9	1.66 42.2	1.9 48.2
50	1-3/4	28	H 28 3.543									
50	1-13/16	29	90									
55	1-15/16	31	211	QFIUIO-I-HT	ZALUI6-x-LC	ZATVIO-x	QFIUI7-x-LCHTV	.75 19.1	1.37 34.8	0.63 15.9	1.85 47.0	2.0 50.8
55	2	32	I 32 3.937									
55	2-1/16	33	100									
60	2-3/16	35	212	QFIUJO-J-HT	ZALUJ6-x-LC	ZATVJO-x	QFIUJ7-x-LCHTV	.75 19.1	1.41 35.8	0.63 15.9	1.44 36.5	2.04 51.8
60	2-1/4	36	J 36 4.331									
60	2-5/16	37	110									
70	2-7/16	38	214	QFIUKO-K-HT	ZALUK6-x-LC	ZATVKO-x	QFIUK7-x-LCHTV	.8 20.3	1.55 39.4	0.75 19.1	2.10 53.3	2.3 58.4
70	2-1/2	40	K 40 4.921									
70	2-5/8	42	125									
75	2-11/16	43	215	QFIULO-L-HT	ZALUL6-x-LC	ZATVLO-x	QFIUL7-x-LCHTV	.88 22.3	1.69 42.9	0.75 19.1	2.10 53.3	2.44 62.0
75	2-3/4	44	L 44 5.118									
75	2-13/16	45	130									
80	2-15/16	47	216	QFIUMO-M-HT	ZALUM6-x-LC	ZAT_MO-x	QFIUM7-x-LCHTV	.88 22.3	1.72 43.7	0.75 19.1	2.35 59.7	2.47 62.7
80	3	48	M 48 5.511									
80	3-1/8	50	140									

Poly-Round® Oven Bearings: Expansion End

High Temperature Poly-Round® with long (-04) DoubleLock® Sleeve accommodates expansion of equipment as temperature rises and falls.



View A (standard)



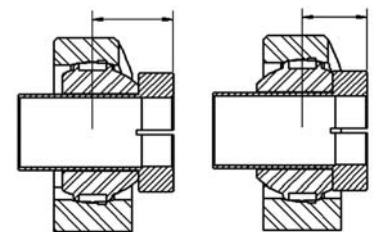
View B



D2 - D = 0.6' length for expansion

x = Shaft Diameter			Ring Size	Expansion End Components			K	A	B	C	E	D2	G
mm	in	16 th	Industry EDT OD in inches OD in mm	Poly-Round® insert	DoubleLock® sleeve (long)	Bearing Assembly							
12	1/2	8	203	QFIUAO-A-HT	ZALUA6-x-04LC	QFIUA7-x-LCHTE	1.49	1.04	0.60	0.34	0.75	1.54	1.38
15	9/16	9	A				38	26.4	15.2	8.7	19.1	38	35.1
17	5/8	10	1.575				40						
12	1/2	8	204	QFIUBO-B-HT	ZALUB6-x-04LC	QFIUB7-x-LCHTE	1.63	1.10	0.60	0.44	0.94	1.6	1.57
15	9/16	9	B				41	27.9	15.2	11.2	23.8	44	39.8
17	5/8	10	1.850				47						
17	3/4	12											
20	13/16	13											
25	3/4	12	205	QFIUCO-C-HT	ZALUC6-x-04LC	QFIUC7-x-LCHTE	1.75	1.16	0.66	0.47	0.94	1.7	1.63
	13/16	13	C				44	29.5	16.8	11.9	23.8	43	41.4
	7/8	14	2.047				52						
	15/16	15											
	1	16											
30	1	16	206	QFIUDO-D-HT	ZALUD6-x-04LC	QFIUD7-x-LCHTE	2.0	1.30	0.80	0.52	0.99	1.9	1.82
	1-1/16	17	D				50	32.9	20.2	13.2	25.1	48	46.2
	1-1/8	18	2.441				62						
	1-3/16	19											
	1-1/4	20											
35	1-3/16	19	207	QFIUEO-E-HT	ZALUE6-x-04LC	QFIUE7-x-LCHTE	2.25	1.47	0.97	0.53	1.00	2.1	2.00
	1-1/4	20	E				57	37.3	24.6	13.5	25.4	53	50.8
	1-5/16	21	2.835				72						
	1-3/8	22											
	1-7/16	23											
40	1-7/16	23	208	QFIUFO-F-HT	ZALUF6-x-04LC	QFIUF7-x-LCHTE	2.38	1.51	1.01	0.59	1.09	2.2	2.13
	1-1/2	24	F				60	38.3	25.6	15.0	27.8	56	54.1
	1-9/16	25	3.150				80						
	1-5/8	26											
45	1-1/2	24	209	QFIUGO-G-HT	ZALUG6-x-04LC	QFIUG7-x-LCHTE	2.75	1.69	1.07	0.59	1.22	2.3	2.32
	1-5/8	26	G				70	43.0	27.2	15.0	31.0	58	58.9
	1-11/16	27	3.346				85						
	1-3/4	28											
50	1-11/16	27	210	QFIUHO-H-HT	ZALUH6-x-04LC	QFIUH7-x-LCHTE	3.0	1.69	1.07	0.60	1.22	2.3	2.32
	1-3/4	28	H				76	43.0	27.2	15.2	31.0	58	58.9
	1-13/16	29	3.543				90						
	1-7/8	30											
	1-15/16	31											
	2	32											
55	1-15/16	31	211	QFIUIO-I-HT	ZALUI6-x-04LC	QFIUI7-x-LCHTE	3.25	1.85	1.22	0.62	1.25	2.5	2.50
	2	32	I				83	47.0	31.1	15.8	31.8	63	63.6
	2-1/16	33	3.937				100						
	2-1/8	34											
	2-3/16	35											
	2-1/4	36											
60	2-3/16	35	212	QFIUJO-J-HT	ZALUJ6-x-04LC	QFIUJ7-x-LCHTE	3.4	2.06	1.44	0.66	1.28	2.7	2.75
	2-1/4	36	J				86	52.4	36.5	16.8	32.5	69	69.9
	2-5/16	37	4.331				110						
	2-3/8	38											
	2-7/16	39											
70	2-7/16	38	214	QFIUKO-K-HT	ZALUK6-x-04LC	QFIUK7-x-LCHTE	3.8	2.10	1.35	0.75	1.50	2.7	2.88
	2-1/2	40	K				96	53.3	34.3	19.0	38.1	69	73.2
	2-5/8	42	4.921				125						
	2-11/16	43											
	2-3/4	44											
75	2-11/16	43	215	QFIULO-L-HT	ZALUL6-x-04LC	QFIUL7-x-LCHTE	4.13	2.04	1.29	.81	1.56	2.7	2.88
	2-3/4	44	L				105	51.8	32.7	20.5	39.7	69	73.2
	2-13/16	45	5.118				130						
	2-7/8	46											
	2-15/16	47											
	3	48											
80	2-15/16	47	216	QFIUMO-M-HT	ZALUM6-x-04LC	QFIUM7-x-LCHTE	4.7	2.26	1.51	.84	1.59	2.4	3.13
	3	48	M				120	57.4	38.4	21.3	40.4	60	79.5
	3-1/8	50	5.511				140						
	3-3/16	51											

Profile of an Oven Poly-Round® in a housing



View A (standard)

View B

Poly-Round® OS Oven Series

Additional width eliminates chance of metal-to-metal contact between housing and collars.
OS fixed and floating have longer length-thru-bore plus thrust margin-of-safety.

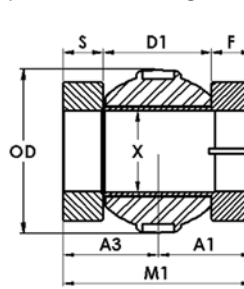
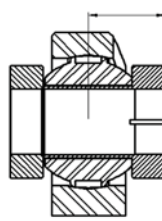


Fixed end sample p/n
QFIUC7-1-OSHTV

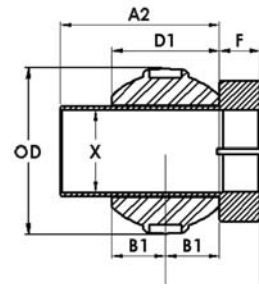


Expansion end sample p/n
QFIUC7-1-OSHTE

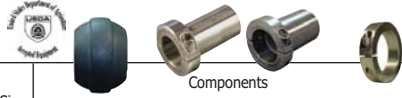
Profile of an OS Oven
Poly-Round®
in a housing



Fixed end



Expansion end



x = Shaft Diameter			Ring Size	Components													
Industry EDT			Poly-Round® insert	DoubleLock® sleeve Fixed End	Split collar (Fixed end only)	Bearing Assembly Fixed End	K	S	F	L	D1	B1	A2	A1	A3	M1	
mm	in	16ths		DoubleLock® sleeve Expansion End	V = single split W = double split	Bearing Assembly Expansion End	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm
12	1/2	8	203 A	QFIUAO-A-OS	ZALUA6-x-OS-LC	ZATVAO-x	QFIUA70-x-OSHTV	1.49	.45	0.44	1.38	1.08	.54	1.73	.98	.99	1.97
	9/16	9			1,575	40											
15	5/8	10	204 B	QFIUBO-B-OS	ZALUB6-x-OS-LC	ZATVBO-x	QFIUB70-x-OSHTV	1.63	.5	0.50	1.57	1.20	.60	1.83	1.1	1.1	2.2
	11/16	11			1,850	47											
17	3/4	13	205 C	QFIUCO-C-OS	ZALUB6-x-OS-LC	ZATVCO-x	QFIUC7-x-OSHTV	1.75	.5	0.50	1.63	1.33	.66	1.95	1.16	1.16	2.32
	13/16	14			2,047	52											
20	7/8	15	206 D	QFIUDO-D-OS	ZALUD6-x-OS-LC	ZATVDO-x	QFIUD7-x-OSHTV	2.00	.5	0.50	1.82	1.60	.80	2.23	1.3	1.3	2.6
	15/16	16			2,441	62											
30	1-1/8	18	207 E	QFIUEO-E-OS	ZALUE6-x-OS-LC	ZATVEO-x	QFIUE7-x-OSHTV	2.25	.5	0.50	2.00	1.70	.85	2.33	1.35	1.35	2.7
	1-1/16	17			2,835	72											
35	1-1/4	20	208 F	QFIUFO-F-OS	ZALUF6-x-OS-LC	ZATVFO-x	QFIUF7-x-OSHTV	2.38	.5	0.50	2.13	1.80	.90	2.43	1.40	1.4	2.8
	1-3/16	19			3,150	80											
40	1-1/2	24	209 G	QFIUGO-G-OS	ZALUG6-x-OS-LC	ZATVGO-x	QFIUG7-x-OSHTV	2.75	.5	0.63	2.32	2.14	1.0	2.76	1.63	1.5	3.2
	1-5/8	21			3,346	85											
45	1-7/8	23	210 H	QFIUHO-H-OS	ZALUH6-x-OS-LC	ZATVHO-x	QFIUH7-x-OSHTV	3.00	.67	0.63	2.32	2.14	1.0	2.76	1.63	1.67	3.3
	1-11/16	28			3,543	90											
50	2-1/8	34	211 I	QFIUIO-I-OS	ZALUI6-x-OS-LC	ZATVIO-x	QFIUI7-x-OSHTV	3.25	.75	0.63	2.50	2.34	1.4	2.98	2.0	2.1	4.1
	2-1/16	32			3,937	100											
55	2-1/4	36	212 J	QFIUJO-J-OS	ZALUJ6-x-OS-LC	ZATVJO-x	QFIUJ7-x-OSHTV	3.40	.75	0.63	2.75	2.70	1.3	3.33	1.9	2.1	3.0
	2-3/16	35			4,331	110											
60	2-3/8	38	214 K	QFIUKO-K-OS	ZALUK6-x-OS-LC	ZATVKO-x	QFIUK7-x-OSHTV	3.80	.8	0.75	2.88	2.70	1.3	3.33	2.0	2.1	4.1
	2-7/16	39			4,921	125											
70	2-1/2	40	215 L	QFIULO-L-OS	ZALUL6-x-OS-LC	ZATVLO-x	QFIUL7-x-OSHTV	4.13	.88	0.75	2.88	2.58	1.3	3.21	2.0	2.2	4.2
	2-5/8	42			5,118	130											
75	2-7/8	46	216 M	QFIUMO-M-OS	ZALUM6-x-OS-LC	ZATWMO-x	QFIUM7-x-OSHTV	4.70	.88	0.75	3.13	3.05	1.5	3.65	2.2	2.4	4.6
	2-15/16	47			5,511	140											



ALL-ROUND[®] SOLUTION[®] MOUNTED BEARINGS



Stainless All-Round[®] bearing in stainless or polymer housing is grease-less, non-corrosive, and low maintenance

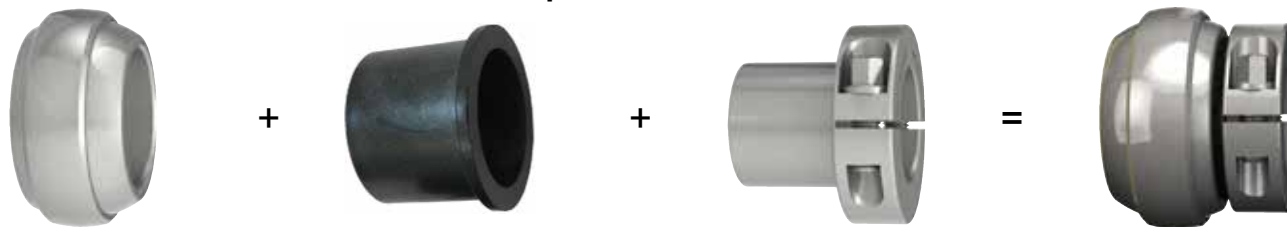
- EDT Solution[®] housings are USDA-accepted
- All-Round[®] bearing with stainless outer ring + thin walled polymer promotes heat dissipation
 - Ideal in applications where environment is cooler than the operating temperature of the bearing
 - Ideal in applications that require higher load capacity in radial applications
- Save time: zero maintenance without re-greasing or rust
- Save money: reuse most components to maximize investment
- Reduce production downtime: predictable wear, no catastrophic failure

Ideal for
HACCP
programs

All-Round® Bearings

Solve Your Toughest Bearing and Shaft Problems

Spherical Series



Stainless Insert

304-ss and 316-ss options for maximum corrosion resistance.

Spherical design enables retrofit for industry standard mounted ball bearings.

Long-term investment: mounted stainless inserts can be reused through multiple polymer bearing replacements.

Stainless insert promotes heat dissipation for locations where the ambient temperature is lower than the temperature through the shaft.

USDA-accepted.



Flanged Polymer Bearing

Variety of polymers to accommodate diverse applications and PV capabilities.

Flange endows radial motion bearings with thrust capacity. This is the wear component.

- When the wall wears thin, change the bearing with installation arbor.
 - Other parts can be reused.
- Can be used as a bushing in idler or sprockets.

'QB' material can be used in 85% of All-Round® applications

- Temperature to 500°F/260°C
- USDA meat, poultry & dairy accepted for incidental food contact
- Void of animal fats for Kosher-certified processing
- Great price to performance

Note: 'QB' is not advised in submerged locations. 'QF' is better choice in moisture.

Locking sleeve

Two styles of locking sleeves available:

- KleanCap™ DoubleLock®
- Setscrew lock

Sleeves offer multiple benefits:

- Eliminate shaft damage that plane bearings will cause.
- Provide highest quality journal for plane bearing to maximize bearing life.
- Repair damaged shaft by sleeving it with a precision machined component.
- Collar controls lateral shaft movement within the bearing.
- 316 stainless steel for maximum toughness.

Optimum plane bearing surface finish (8–16 rms).

DoubleLock® mechanism has twice the clamping of setscrew.

Note: It is recommended that a threadlocker be used on all stainless hardware.

KleanCap™ screws offers the highest level of sanitation with positive locking mechanism.

All-Round® Insert

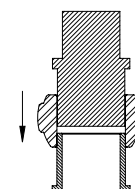
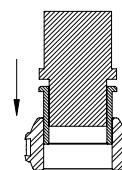
Stainless steel insert with replaceable flanged polymer bearing is:

- Maintenance free
- Compatible with industry standard insert bearings
- Corrosion resistant
- Sanitary
- Suitable where lubrication is difficult to maintain
- Cost effective alternative in severe service environments
- Long term investment: Stainless components can be reused through many changes of the polymer bearing.

Installation Arbor

Install Bearing

Remove Bearing



Solution® Non-corrosive Bearing Housings



Features and benefits

- Smoothest surface finishes and no metal crush inserts for highest levels of sanitation.
- Option of QuiKlean® integral stand-off reduces 'foot print' and enables better wash down accessibility.
- Wide range of styles available.
- Accepts EDT and other brands of inserts for re-grease or no-lube.
- Durable housings can be used multiple times.



Polymer Temp Range:
-40°F to +150°F

Stainless Temp Range:
Cryogenic to +1000°F

Bearing capacity is measured by PV and will determine the amount of heat generated in a plane bearing. PV is the relationship of the load to the shaft speed in a bearing. Factors influencing PV limits (heat generation) include:

- Material selection
- Journal surface finish
- Bearing wall thickness
- Running clearance
- Proximity to moisture
- Ambient temperature
- Cycle time

HOW TO CALCULATE PV

PV - $P \times V$

P - pressure in PSI (lbs/sq in)

V - velocity in SFM (surface ft/min)

P - F/A

where F = force (load) on bearing

A = shaft dia (in) x LTB

(LTB = bearing Length Through the Bore)

V - $.262 \times D \times \text{RPM}$

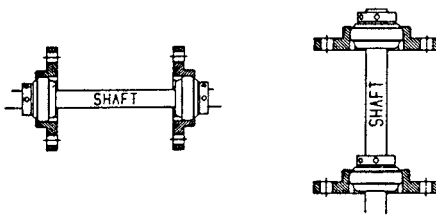
where D = shaft diameter (in)

RPM = shaft revolutions/min

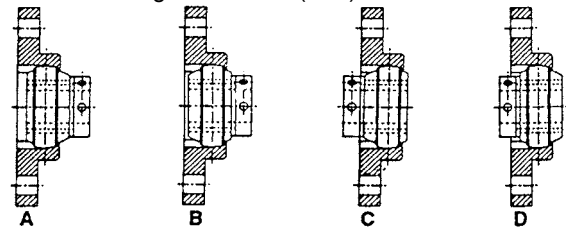
All-Round® bearings offer installation versatility

In any configuration, the locking sleeve collar must run against the flange of the polymer bearing to prevent metal-to-metal contact and heat buildup.

All-Round® bearings can be mounted horizontally or vertically.



They can also be assembled in different ways to adjust the total length-thru-bore (LTB) of a mounted set.



Mounting and installation instructions for EDT bearings are located in the User Handbook.

Material Selection Chart



PABUEO-E



QBBUEO-E



QFBUEO-E



MYBUEO-E

	All-Round® Bearing Materials**	PV Limit*	Maximum Speed V (SFM)	Maximum Loading P (PSI)	Continuous Operating Temp. ***	Performance in Moisture		ΔT Dimensional Stability with Temp Change	Chemical Resistance	Abrasion Resistance	Impact Resistance	USDA/FDA Contact Approval
						Washdown	Submerged					
Bearings	PA UHMW white	1,000	50	800	150°F / 65°C	Excellent	Excellent	Poor	Excellent	Abrasion applications are very non-predictable. Each application must be tested for abrasion resistance.	Excellent	Direct
	NA gray	6,000	350	2,000	200°F / 93°C	Excellent	Good	Fair	Good		Excellent	Incidental
	QB black-green	50,000	400	3,000	500°F / 260°C	Excellent	Poor	Excellent	Fair		Fair	Incidental
	QF black	60,000	400	6,000	450°F / 232°C	Excellent	Excellent	Excellent	Excellent		Fair	Incidental
	MY black	20,000	100	1,000	800°F / 425°C	Fair	Fair	Excellent	Fair		Good	No

* PV limits are shown for non-lubricated radial bearing applications. Low temperature or submerged installation may permit PV limits up to 2x higher.

** Material identifier when selecting parts.

*** Intermittent may run hotter

All-Round® plane bearings are ideal for tough applications where ball bearings don't perform as reliably as desired and there is a need to lower the functional PV especially in locations with:

- Sanitary – HACCP
- High or low temperature
- Washdown or steam
- Exposure to processing liquids or chemicals
- Incomplete rotation or oscillating motion
- Locations difficult to regularly maintain



In these applications:

- High tension applications (V-belt drives, flat belt conveyors, urethane belts)
- High speed devices (fans, pumps, table-top conveyors)
- Overhung loads (unsupported shaft mounted gear reducers)
- Trunnion applications

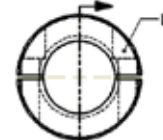
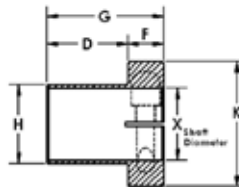
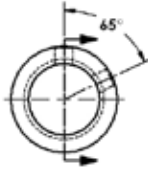
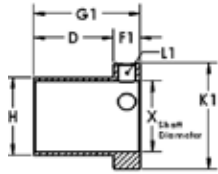
Ball bearings are recommended instead of plane bearings

Locking Sleeves: DoubleLock® or Setscrew Lock

316 Stainless Locking Sleeve Extends Bearing Life and Eliminates Shaft Damage



Setscrew Sleeve



DoubleLock® Sleeve

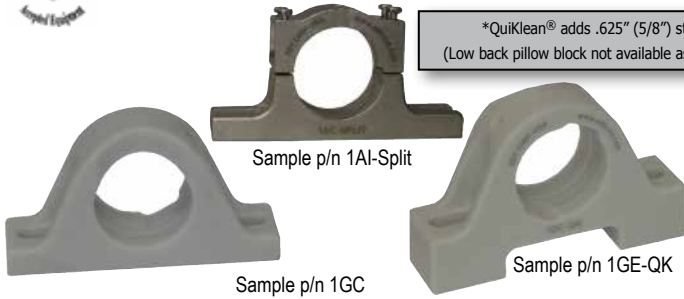
- ZALU_6-x-04(LK) sleeve is 0.6" longer 'G' and 'G1' dimension to accommodate shaft expansion
- "M" in place of "L" Indicates narrow/shorter/"ER" sleeve

Setscrew Sleeve						DoubleLock® Sleeve									
Wt	G1 in mm	F1 in mm	K1 in mm	L1 2 ea ss SHCS	Standard Sleeve p/n Narrow Sleeve p/n	Wt lbs	G in mm	F in mm	K in mm	L 2 ea ss SHCS	H in mm	Standard DoubleLock®		Expansion Style	
												D in mm	Standard Sleeve p/n Narrow Sleeve p/n	D in mm	Standard Expansion Length (Other lengths available)
.15	1.31 32	0.38 9	1.13 28	1/4 - 28	ZALUA6-x	.18	1.38 35.1	.44 11.2	1.35 34.3	1/4 - 28	.78 20.0	0.94 23.8	ZALUA6-x-LK	1.54 38	ZALUA6-x-04-LK
	1.12 28.4				.72 18.3		ZAMUA6-x-LK								
.15	1.44 35	0.38 9	1.25 31	1/4 - 28	ZALUB6-x	.2	1.57 39.8	.50 12.7	1.61 40.9	1/4 - 28	.91 23.2	1.07 27.2	ZALUB6-x-LK	1.67 44	ZALUB6-x-04-LK
	1.22 31.0				.85 21.6		ZAMUB6-x-LK								
.15	1.50 37	0.38 9	1.50 37	1/4 - 28	ZALUC6-x	.2	1.63 41.4	.50 12.7	1.73 43.9	1/4 - 28	1.10 27.9	1.30 33.0	ZALUC6-x-LK	1.73 43	ZALUC6-x-04-LK
	1.35 34.3				.97 24.6		ZAMUC6-x-LK								
.31	1.79 44	0.48 12	1.75 43	3/8 - 24	ZALUD6-x	.4	1.82 46.2	.50 12.7	1.98 50.3	1/4 - 28	1.35 34.3	1.32 33.5	ZALUD6-x-LK	1.92 48	ZALUD6-x-04-LK
	1.52 38.6				1.04 26.4		ZAMUD6-x-LK								
.55	2.0 49	0.50 12	2.00 49	3/8 - 24	ZALUE6-x	.5	2.00 50.8	.50 12.7	2.23 56.6	1/4 - 28	1.54 39.1	1.5 38.1	ZALUE6-x-LK	2.10 53	ZALUE6-x-04-LK
	1.69 42.9				1.19 30.2		ZAMUE6-x-LK								
.62	2.19 54	0.56 14	2.25 55	3/8 - 24	ZALUF6-x	.6	2.13 54.1	.50 12.7	2.36 59.9	1/4 - 28	1.73 43.9	1.63 41.4	ZALUF6-x-LK	2.23 56	ZALUF6-x-04-LK
	1.94 49.2				1.38 35.0		ZAMUF6-x-LK								
.86	2.25 55	0.56 14	2.50 61	3/8 - 24	ZALUG6-x	.8	2.32 58.9	.63 15.9	2.73 69.3	5/16 - 24	1.87 47.5	1.69 42.9	ZALUG6-x-LK	2.29 58	ZALUG6-x-04-LK
	1.92 49.8				1.36 34.5		ZAMUG6-x-LK								
1.0	2.25 55	0.56 14	2.69 66	3/8 - 24	ZALUH6-x	1.1	2.32 58.9	.63 15.9	2.98 75.7	5/16 - 24	2.10 53.3	1.69 42.9	ZALUH6-x-LK	2.29 58	ZALUH6-x-04-LK
	2.01 51.0				1.45 36.8		ZAMUH6-x-LK								
1.3	2.44 60	0.56 14	2.88 71	3/8 - 24	ZALUI6-x	1.3	2.51 63.8	.63 15.9	3.23 82	5/16 - 24	2.35 59.7	1.88 47.0	ZALUI6-x-LK	2.48 63	ZALUI6-x-04-LK
	2.17 55.0				1.61 40.9		ZAMUI6-x-LK								
1.3	2.68 66	0.56 14	3.25 80	3/8 - 24	ZALUJ6-x	1.4	2.75 69.9	.63 15.9	3.40 86	5/16 - 24	2.53 64.5	2.12 53.8	ZALUJ6-x-LK	2.72 69	ZALUJ6-x-04-LK
	2.54 64.5				1.98 50.3		ZAMUJ6-x-LK								
3.0	2.88 71	0.75 18	4.00 98	1/2 - 20	ZALUK6-x	2.2	2.88 73.2	.75 19.1	3.85 97.8	3/8 - 24	2.85 72.4	2.13 53.3	ZALUK6-x-LK	2.73 69	ZALUK6-x-04-LK
	2.73 69.3				1.98 50.3		ZAMUK6-x-LK								
2.2	2.88 71	0.75 18	4.00 98	1/2 - 20	ZALUL6-x	2.3	2.88 73.2	.75 19.1	4.13 105	3/8 - 24	3.14 79.8	2.13 53.3	ZALUL6-x-LK	2.73 69	ZALUL6-x-04-LK
	2.88 73.1				2.13 54.1										
3.0	3.16 77	0.75 18	4.50 110	1/2 - 20	ZALUM6-x	3.2	3.13 79.5	.75 19.1	4.45 113	3/8 - 24	3.28 83.5	2.38 59.7	ZALUM6-x-LK	3.05 60	ZALUM6-x-04-LK
3.0	3.55 90	.75 18	4.44 113	1/2 - 20	ZALUO6-x	3.2	3.53 89.7	.75 19.1	4.10 104.1	3/8 - 24	3.70 94	2.78 70.6	ZALUO6-x-LK	3.40 86.4	ZALUO6-x-04-LK

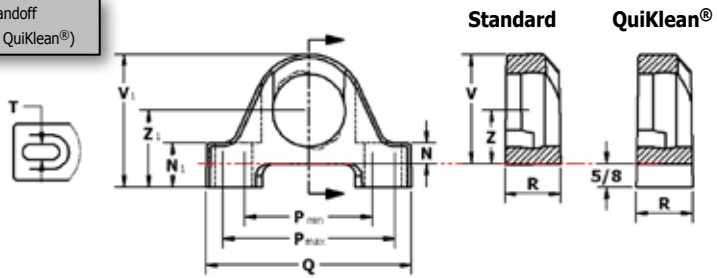


Pillow Block

Polymer or Stainless Standard Backing Height ("1" Series) and Low Backing Height ("10" Series) Pillow Block



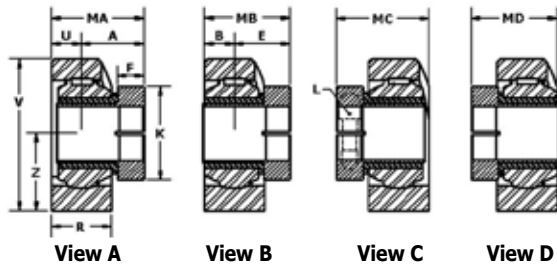
*QuiKlean® adds .625" (5/8") standoff
(Low back pillow block not available as QuiKlean®)



x = Shaft Size			mm∅ Inch∅ Ring Group	"1" Series (Std)		"10" Series (Low)		Q	P Min	P Max	N	V	R		Q	U	
				Z	p/n	Z	p/n						KG	SS	Bolt size	KG	SS
mm	in	16 ^{ths}		in	KG SS	in	KG SS	in	in	in	in	in	in	in	in	in	in
12	1/2	8	40	1.06 27.0	1GA 1AA	--	--	5	2.94	4.06	.44 11.1	2.25 57.2	1.25 31.8	1.13 28.6	3/8	.62 15.8	.57 14.5
15	9/16	9	1.575														
17	5/8	10	203	1.69 42.9	1GA-QK			127	74.6	103.2	1.06 26.9	2.87 72.9					
12	1/2	8	47	1.31 33.3	1GB 1AB	1.25 31.8	10GB 10AB	5.25 133.4	3.25 82.6	4.38 111.1	.50 12.7	2.69 68.3	1.38 34.9	1.13 28.6	3/8	.57 14.5	.57 14.5
15	5/8	10	1.850														
17	11/16	11	204	1.94 49.2	1GB-QK						1.13 28.6	3.31 84.1					
20	3/4	12	B														
25	3/4	12	52	1.44 36.5	1GC 1AC	1.31 33.3	10GC 10AC	5.5 139.7	3.44 87.3	4.63 117.5	.56 14.3	2.94 74.6	1.50 38.1	1.13 28.6	3/8	.75 18.0	.57 14.5
13/16	7/8	14	2.047														
15/16	1	15	205	2.06 52.4	1GC-QK 1AC-QK						1.19 3.2	3.56 9.5					
30	1	16	62	1.69 42.9	1GD 1AD	1.56 39.7	10GD 10AD	6.25 158.7	4.13 104.8	5.13 13.2	.69 17.5	3.38 85.7	1.75 44.5	1.50 38.1	1/2	.88 22.4	.76 19.3
1-1/16	1-1/8	18	2.441														
1-3/16	1-1/4	20	206	2.31 58.7	1GD-QK						1.31 33.3	4.0 101.6					
1-1/2	1-1/4	20	72	1.88 47.6	1GE 1AE	1.81 46.0	10GE 10AE	6.56 166.7	4.69 119.1	5.44 138.1	.69 17.5	3.88 98.4	1.75 44.5	1.50 38.1	1/2	.93 23.6	.74 18.8
1-5/16	1-3/8	22	2.835														
1-3/8	1-7/16	23	207	2.50 63.5	1GE-QK						1.31 33.3	4.50 114.3					
35	1-7/16	23	E														
40	1-7/16	23	80	2.13 54.0	1GF 1AF	1.94 49.2	10GF 10AF	7.25 184.2	5	6.13 155.6	.75 19.1	4.31 109.5	1.94 49.2	1.63 41.3	1/2	.97 24.6	.81 20.6
1-9/16	1-5/8	25	3.150														
1-5/8	2	26	208	2.75 69.9	1GF-QK						1.38 34.9	4.94 125.4					
45	1-1/2	24	85	2.13 54.0	1GG 1AG	2.06 52.4	10GG 10AG	7.44 188.9	5.31 134.9	6.31 16.3	.75 19.1	4.38 111.1	2 5.8	1.75 44.5	1/2	1.0 25.4	.86 21.8
1-11/16	1-3/4	28	3.346														
1-11/16	1-11/16	27	209														
1-3/4	1-13/16	29	90	2.25 57.2	1GH 1AH	2.19 55.6	10GH 10AH	8.13 206.4	5.88 149.2	6.75 171.5	.75 19.1	4.63 117.5	2.25 57.2	2 5.8	5/8	1.1 27.9	.99 25.2
50	1-11/16	27	3.543														
1-13/16	1-7/8	30	210														
1-7/8	1-15/16	31	210														
1-15/16	2	32	H														
55	1-15/16	31	100	2.50 63.5	1GI 1AI	2.44 61.9	10GI 10AI	8.88 225.4	6.38 161.9	7.50 19.5	.88 22.2	5.13 13.2	2.38 6.3	2 5.8	5/8	1.17 29.7	.99 25.2
1-15/16	2	32	3.937														
2-1/16	2-1/8	34	211														
2-1/8	2-3/16	35	I														
2-3/16	2-1/4	36	110	2.75 69.9	1GJ 1AJ	2.69 68.3	10GJ 10AJ	9.5 241.3	6.44 163.5	8.13 206.4	.88 22.2	5.50 139.7	2.50 63.5	2 5.8	5/8	1.25 31.2	.99 25.2
60	2-3/16	35	4.331														
2-1/4	2-5/16	37	212														
2-5/16	2-3/8	38	J														
2-3/8	2-7/16	39	J														
70	2-7/16	39	125	3.0 76.2	1GK 1AK	3.13 79.4	10GK 10AK	1.75 273.1	7.44 188.9	9.13 231.8	.94 23.8	6.25 158.7	2.75 69.9	2 5.8	3/4	1.34 34.0	.99 25.2
2-1/2	2-1/2	40	4.921														
2-5/8	2-11/16	43	214														
2-11/16	2-3/4	44	K														
75	2-11/16	43	130	3.50 88.9	1GL 1AL	3.25 82.5	10GL 10AL	11.75 298.5	8.25 209.6	9.75 247.7	1 25.4	6.88 174.6	2.88 73.0	2 5.8	7/8	1.4 35.6	1.24 31.5
2-3/4	2-3/4	44	5.118														
2-3/4	2-13/16	45	215														
2-13/16	2-7/8	46	L														
2-7/8	2-15/16	47	215														
2-15/16	3	48	L														
80	2-3/4	44	140	3.50 88.9	1GM 1AM	--	--	11.75 298.5	8.25 209.6	9.75 247.7	1 25.4	6.88 174.6	2.88 73.0	2 5.8	7/8	1.4 35.6	1.24 31.5
2-3/4	2-7/8	46	5.511														
2-7/8	2-15/16	47	216														
2-15/16	3	48	M														
3-1/8	3-1/8	50	160														
3-1/8	3-3/16	51	218														
3-3/16	2-3/4	44	6.299														
2-15/16	3-1/4	52	218	4 101.6	-- 1AO	--	--	14 355.6	1.3 261.6	11.63 295.4	1.94 49.3	8 203.2	--	2.22 56.4	7/8	--	1.11 28.2
3-1/4	3-7/16	55	O														
3-7/16	3-1/2	56	O														
90	3-1/2	56	O														

All-Round® Solution® Pillow Block

Standard Backing Height ("1" Series) and Low Backing Height ("10" Series) Housing With All-Round® Spherical Bearing Insert



Sample p/n QB1AC9-1-LK

Sample p/n QB1GC9-1-LK

DoubleLock® Sleeve					Pillow Block Assembly										Polymer Bearing DoubleLock® Sleeve All-Round® Assembly	
F	K	A	B	E	Polymer (KG)					Stainless (SS)						
					*QuiKlean® adds .625" (5/8") standoff											
in mm	in mm	in mm	in mm	in mm	Std Assembly		MA	MB	MC	MD	Std Assembly		MA	MB		MC
					QK Assembly	Low Assembly					QK Assembly	Low Assembly				
					Wt lbs						Wt lbs					
.44 11.2	1.49 38	1.04 26.4	.60 15.2	.75 19.1	__1GA9-x-LK .7	1.67 42.4	1.37 34.7	1.67 42.4	1.38 35.0	__1AA9-x-LK 1.4	1.60 4.7	1.31 33.3	1.60 4.7	1.31 33.3	__BUAO-x ZALU6-x-LK __1UA9-x-LK	
					__1GA-QK9-x-LK .7					__1AA-QK9-x-LK 1.4						
					n/a --					n/a --						
.50 12.7	1.63 41	1.10 27.9	.60 15.2	.94 23.8	__1GB9-x-LK .9	1.79 45.4	1.62 41.1	1.78 45.2	1.62 41.1	__1AB9-x-LK 2.1	1.66 42.1	1.5 38.1	1.66 42.1	1.5 38.1	__BUBO-x ZALU6-x-LK __1UB9-x-LK	
					__1GB-QK9-x-LK .9					__1AB-QK9-x-LK 2.1						
					__10GB9-x-LK .9					__10AB9-x-LK 2.1						
.50 12.7	1.75 44	1.16 29.5	.66 16.8	.94 23.8	__1GC9-x-LK 1.1	1.91 48.5	1.69 42.9	1.91 48.5	1.69 42.9	__1AC9-x-LK 2.6	1.73 43.9	1.5 38.1	1.73 43.9	1.5 38.1	__BUCO-x ZALU6-x-LK __1UC9-x-LK	
					__1GC-QK9-x-LK 1.1					__1AC-QK9-x-LK 2.6						
					__10GC9-x-LK 1.0					__10AC9-x-LK 2.6						
.50 12.7	2.0 50	1.30 32.9	.80 2.2	.99 25.1	__1GD9-x-LK 1.7	2.17 55.1	1.87 47.4	2.17 55.1	.87 22.0	__1AD9-x-LK 3.1	2.03 51.5	1.73 43.9	2.03 51.5	1.73 43.9	__BUDO-x ZALU6-x-LK __1UD9-x-LK	
					__1GD-QK9-x-LK 1.7					__1AD-QK9-x-LK 3.1						
					__10GD9-x-LK 1.7					__10AD9-x-LK 3.1						
.50 12.7	2.25 57	1.47 37.3	.97 24.6	1 25.4	__1GE9-x-LK 2.5	2.35 59.6	1.88 47.7	2.35 59.6	1.88 47.7	__1AE9-x-LK 5.0	2.21 56.1	1.74 44.1	2.21 56.1	1.74 44.1	__BUEO-x ZALU6-x-LK __1UE9-x-LK	
					__1GE-QK9-x-LK 2.5					__1AE-QK9-x-LK 5.0						
					__10GE9-x-LK 2.5					__10AE9-x-LK 5.0						
.50 12.7	2.38 60	1.51 38.3	1.01 25.6	1.09 27.8	__1GF9-x-LK 3.4	2.48 62.9	2.06 52.3	2.48 62.9	2.06 52.3	__1AF9-x-LK 7.0	2.32 58.9	1.91 48.5	2.32 58.9	1.91 48.5	__BUFO-x ZALU6-x-LK __1UF9-x-LK	
					__1GF-QK9-x-LK 3.4					__1AF-QK9-x-LK 7.0						
					__10GF9-x-LK 3.4					__10AF9-x-LK 7.0						
.63 15.9	2.75 70	1.69 43.0	1.07 27.2	1.22 31	__1GG9-x-LK 3.9	2.69 68.3	2.22 56.3	2.69 68.3	2.22 56.3	__1AG9-x-LK 7.9	2.55 64.7	2.08 52.8	2.55 64.7	2.08 52.8	__BUGO-x ZALU6-x-LK __1UG9-x-LK	
					__1GG9-QK9-x-LK 3.9					__10AG9-x-LK 7.9						
.63 15.9	3 76	1.69 43.0	1.07 27.2	1.22 31	__1GH9-x-LK 4.2	2.94 74.6	2.47 62.7	2.94 74.6	2.47 62.7	__1AH9-x-LK 9.8	2.68 68.0	2.2 55.8	2.68 68.0	2.2 55.8	__BUHO-x ZALU6-x-LK __1UH9-x-LK	
					__1GH9-QK9-x-LK 4.2					__10AH9-x-LK 9.8						
.63 15.9	3.25 83	1.85 47.0	1.22 31.1	1.25 31.8	__1GI9-x-LK 5.6	3.04 77.2	2.44 61.9	3.04 77.2	2.44 61.9	__1AI9-x-LK 11.8	2.84 72.1	2.21 56.1	2.84 72.1	2.24 56.8	__BUIO-x ZALU6-x-LK __1UI9-x-LK	
					__1GI9-QK9-x-LK 5.6					__10AI9-x-LK 11.6						
.63 15.9	3.4 86	2.06 52.4	1.44 36.5	1.28 32.5	__1GJ9-x-LK 7.0	3.31 84.0	2.53 64.2	3.31 84.0	2.53 64.2	__1AJ9-x-LK 13.5	3.05 77.4	2.27 57.6	3.05 77.4	2.27 57.6	__BUJO-x ZALU6-x-LK __1UJ9-x-LK	
					__1GJ9-QK9-x-LK 7.0					__10AJ9-x-LK 13.3						
.75 19.1	3.8 96	2.10 53.3	1.35 34.3	1.50 38.1	__1GK9-x-LK 9.8	3.48 88.3	2.88 73.1	3.48 88.3	2.88 73.1	__1AK9-x-LK 17.8	3.09 78.4	2.49 63.2	3.09 78.4	2.49 63.2	__BUKO-x ZALU6-x-LK __1UK9-x-LK	
					__1GK9-QK9-x-LK 10.0					__10AK9-x-LK 18.0						
.75 19.1	4.13 105	2.04 51.8	1.29 32.7	1.56 39.7	__1GL9-x-LK 10.2	3.48 88.3	3 76.2	3.48 88.3	3 76.2	__1AL9-x-LK 23.3	3.27 83.0	2.8 71.1	3.27 83.0	2.8 71.1	__BULO-x ZALU6-x-LK __1UL9-x-LK	
					__1GL9-QK9-x-LK 10.2					__10AL9-x-LK 23.0						
.75 19	4.7 120	2.26 57.4	1.51 38.4	1.59 4.4	__1GM9-x-LK 10.9	3.50 88.8	2.83 71.8	3.5 88.8	2.83 71.8	__1AM9-x-LK 24.0	3.70 93.9	3 76.9	3.7 93.9	3.03 76.9	__BUMO-x ZALU6-x-LK __1UM9-x-LK	
					__1GM9-QK9-x-LK 10.9					__10AM9-x-LK 24.0						
.75 19	4.1 104.1	2.3 58.4	1.2 53.3	1.95 49.5	--	3.41 86.7	3.06 77.6	3.41 86.7	3.06 77.7	__1AO9-x-LK	3.74 95	3.39 86.0	3.74 95	3.39 88.6	__BUOO-x ZALU6-x-LK __1UO9-x-LK	



Tapped Base Pillow Block

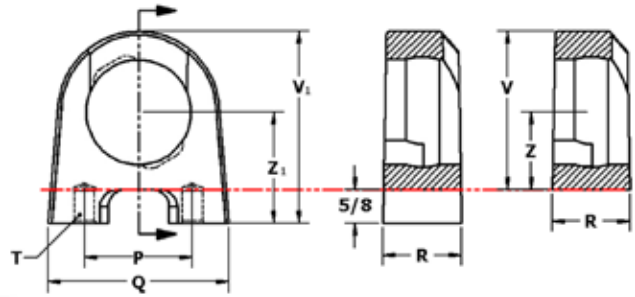
Polymer or Stainless "9" Series Tapped Block



Sample p/n 9GE



Sample p/n 9AE-QK



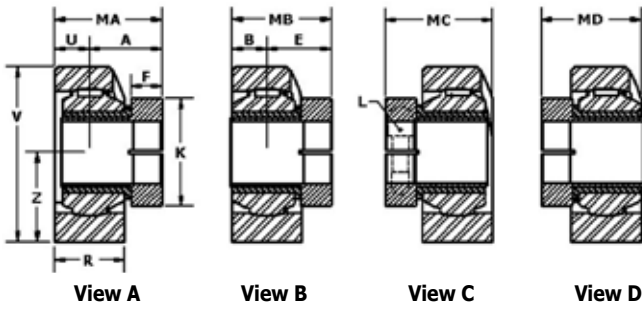
Standard

QuiKlean®

x = Shaft Size		mm∅ Inch∅ Ring Group		Polymer (KG)			Stainless (SS)			P	T	U						
				Housing p/n	Q	R	V	Housing p/n	Q			R	V	Z	KG	SS		
V1*	V1*	Z1*	Unc thread				in mm			in mm								
12	1/2	8	40 1.575 203 A	9GA	3	1.12	2.46 62.5	9AA	3	1.13	2.46 61.1	1.31 33.3	2	3/8 - 16	.56 14.2	.56 14.2		
15	5/8	10		9GA-QK				9AA-QK									3.08 78.2	1.94 49.2
17	11/16	11		9GB	3.07	1.12	2.58 66.7	9AB	3	1.13	2.58 64.3	1.31 33.3	2	3/8 - 16	.56 14.2	.56 14.2		
20	3/4	12	9GB-QK	9AB-QK				3.2 81.3									1.94 49.2	
12	3/4	12	52 2.047 205 C	9GC	3	1.14	2.94 74.6	9AC	3.25	1.13	2.94 74.6	1.44 36.5	2	3/8 - 16	.56 14.2	.56 14.2		
13	13/16	13		9GC-QK				9AC-QK									3.45 90.5	2.06 52.4
15	7/8	14		9GD	4.25	1.63	3.38 85.7	9AD	4.25	1.5	38.1	3.25 82.5	1.69 42.9	3	7/16 - 14	.81 20.6	.74 18.8	
17	1-1/8	17	9GD-QK	9AD-QK				4 101.6										2.31 58.7
15	1-3/16	19	72 2.835 207 E	9GE	4.5	1.75	3.88 98.4	9AE	4.5	1.5	38.1	3.69 93.7	1.55 47.6	3.25	1/2 - 13	.88 22.4	.74 18.8	
17	1-1/4	20		9GE-QK				9AE-QK										4.5 114.3
20	1-1/4	21		9GF	4.75	1.88	4.13 104.8	9AF	4.75	1.63	41.3	4.12 104.8	1.94 49.2	3.5	1/2 - 13	.93 23.6	.81 20.6	
25	1-1/2	24	9GF-QK	9AF-QK				4.75 120.6										2.56 65.1
15	1-7/16	23	80 3.150 208 F	9GG	5.25	2	4.38 111.1	9AG	5.25	1.75	44.5	4.25 108.0	2.12 54.0	3.75	1/2 - 13	.98 24.9	.86 21.8	
17	1-7/8	25		9GG-QK				9AG-QK										4.25 108.0
20	1-3/4	28		9GH	5.75	2.12	4.75 120.7	9AH	5.75	2	50.8	4.5 114.3	2.25 57.2	4	101.6	5/8 - 11	1.1 28.0	.98 25.0
30	1-1/2	16	9GD-QK	9AD-QK				4 101.6										
35	1-3/8	22	85 3.346 209 G	9GE	4.5	1.75	3.88 98.4	9AE	4.5	1.5	38.1	3.69 93.7	1.55 47.6	3.25	1/2 - 13	.88 22.4	.74 18.8	
40	1-7/8	23		9GE-QK				9AE-QK										4.5 114.3
40	1-5/8	26		9GF	4.75	1.88	4.13 104.8	9AF	4.75	1.63	41.3	4.12 104.8	1.94 49.2	3.5	1/2 - 13	.93 23.6	.81 20.6	
45	1-5/8	26	9GF-QK	9AF-QK				4.75 120.6										2.56 65.1
45	1-1/2	24	90 3.543 210 H	9GG	5.25	2	4.38 111.1	9AG	5.25	1.75	44.5	4.25 108.0	2.12 54.0	3.75	1/2 - 13	.98 24.9	.86 21.8	
50	1-11/16	27		9GH				9AH										4.25 108.0
50	1-11/16	27		9GH	9AH	4.25 108.0	2.12 54.0											
55	1-13/16	29	100 3.937 211 I	9GI	5.75	2.12	4.75 120.7	9AH	5.75	2	50.8	4.5 114.3	2.25 57.2	4	101.6	5/8 - 11	1.1 28.0	.98 25.0
55	1-7/8	30		9GI				9AI										
55	1-15/16	31		9GI	9AI	4.25 108.0	2.12 54.0											
60	2-3/16	35	110 4.331 212 J	--	--	--	--	9AJ	6.5	2	50.8	5.38 136.5	2.75 69.9	4.25	5/8 - 11	1.1	.98	
60	2-1/4	36		--	--	--	--	9AJ	6.5	2	50.8	5.38 136.5	2.75 69.9	4.25	5/8 - 11	1.1	.98	
60	2-5/16	37		--	--	--	--	9AJ	6.5	2	50.8	5.38 136.5	2.75 69.9	4.25	5/8 - 11	1.1	.98	
60	2-3/8	38		--	--	--	--	9AJ	6.5	2	50.8	5.38 136.5	2.75 69.9	4.25	5/8 - 11	1.1	.98	
70	2-7/16	39	125 4.921 214 K	--	--	--	--	9AK	7.5	2	50.8	6.06 154.0	3 76.2	5	3/4 - 10	1.1	.98	
70	2-1/2	40		--	--	--	--	9AK	7.5	2	50.8	6.06 154.0	3 76.2	5	3/4 - 10	1.1	.98	
70	2-5/8	42		--	--	--	--	9AK	7.5	2	50.8	6.06 154.0	3 76.2	5	3/4 - 10	1.1	.98	
70	2-11/16	43		--	--	--	--	9AK	7.5	2	50.8	6.06 154.0	3 76.2	5	3/4 - 10	1.1	.98	
75	2-3/4	44	130 5.118 215 L	--	--	--	--	9AL	8	2	50.8	6.75 171.5	3.5 88.9	5.25	7/8 - 9	1.1	.98	
75	2-11/16	43		--	--	--	--	9AL	8	2	50.8	6.75 171.5	3.5 88.9	5.25	7/8 - 9	1.1	.98	
75	2-3/4	44		--	--	--	--	9AL	8	2	50.8	6.75 171.5	3.5 88.9	5.25	7/8 - 9	1.1	.98	
75	2-13/16	45		--	--	--	--	9AL	8	2	50.8	6.75 171.5	3.5 88.9	5.25	7/8 - 9	1.1	.98	

All-Round® Solution® Tapped Base Pillow Block

"9" Series Housing with All-Round® Spherical Bearing Insert



Sample p/n
QB9GC9-1-LK



Sample p/n
QF9AC9-1-LK

DoubleLock® Sleeve		Tapped Base Assembly																Polymer Bearing
F	K	A	B	E	*QuiKlean® adds .625" (5/8") standoff											DoubleLock® Sleeve		
					Polymer (KG)						Stainless (SS)							
in	in	in	in	in	Std Assembly	Wt lbs	MA	MB	MC	MD	Std Assembly	Wt lbs	MA	MB	MC	MD	All-Round® Assembly	
mm	mm	mm	mm	mm	QK Assembly		in	in	in	in	QK Assembly		in	in	in	in		
.44 11.2	1.49 38	1.04 26.4	.60 15.2	.75 19.1	--_9GA9-x-LK --_9GA-QK9-x-LK	.6 .7	1.66 42.2	1.37 34.9	1.66 42.2	1.37 34.9	--_9AA9-x-LK	1.4	1.60 40.7	1.31 33.3	1.60 40.7	1.31 33.3	--_BUAO-x ZALU66-x-LK --_TUA9-x-LK	
.50 12.7	1.63 41	1.10 27.9	.60 15.2	.94 23.8	--_9GB9-x-LK --_9GB-QK9-x-LK	.8 .9	1.78 45.2	1.61 41.0	1.78 45.2	1.61 41.0	--_9AB9-x-LK	1.5	1.66 42.2	1.50 38.1	1.66 42.2	1.50 38.1	--_BUBO-x ZALU66-x-LK --_TUB9-x-LK	
.50 12.7	1.75 44	1.16 29.5	.66 16.8	.94 23.8	--_9GC9-x-LK --_9GC-QK9-x-LK	1.0 1.1	1.91 48.5	1.68 42.8	1.91 48.5	1.68 42.8	--_9AC9-x-LK	1.9	1.72 43.8	1.50 38.1	1.72 43.8	1.50 38.1	--_BUCO-x ZALU66-x-LK --_TUC9-x-LK	
.50 12.7	2 50	1.30 32.9	.80 20.2	.99 25.1	--_9GD9-x-LK --_9GD-QK9-x-LK	1.5 1.6	2.17 55.1	1.86 47.3	2.17 55.1	1.86 47.3	--_9AD9-x-LK	3.3	2.03 51.6	1.72 43.8	2.03 51.6	1.72 43.8	--_BUDO-x ZALU66-x-LK --_TUD9-x-LK	
.50 12.7	2.25 57	1.47 37.3	.97 24.6	1.00 25.4	--_9GE9-x-LK --_9GE-QK9-x-LK	2.3 2.4	2.34 59.5	1.87 47.6	2.34 59.5	1.87 47.6	--_9AE9-x-LK --_9AE-QK9-x-LK	4.4 5.0	2.20 56.0	1.73 44.0	2.20 56.0	1.73 44.0	--_BUEO-x ZALU66-x-LK --_TUE9-x-LK	
.50 12.7	2.38 60	1.51 38.3	1.01 25.6	1.09 27.8	--_9GF9-x-LK --_9GF-QK9-x-LK	3.2 3.4	2.47 62.8	2.06 52.4	2.47 62.8	2.06 52.4	--_9AF9-x-LK	5.7	2.31 58.8	1.90 48.4	2.31 58.8	1.90 48.4	--_BUFO-x ZALU66-x-LK --_TUF9-x-LK	
.63 15.9	2.75 70	1.69 43	1.07 27.2	1.22 31.0	--_9GG9-x-LK	3.8	2.69 68.4	2.21 56.3	2.69 68.4	2.21 56.3	--_9AG9-x-LK	6.8	2.55 64.8	2.07 52.8	2.55 64.8	2.07 52.8	--_BUGO-x ZALU66-x-LK --_TUG9-x-LK	
.63 15.9	3 76	1.69 43	1.07 27.2	1.22 31.0	--_9GH9-x-LK	4.4	2.94 74.7	2.46 62.7	2.94 74.7	2.46 62.7	--_9AH9-x-LK	8.8	2.67 68.0	2.20 55.9	2.67 68.0	2.20 55.9	--_BUHO-x ZALU66-x-LK --_TUH9-x-LK	
.63 15.9	3.25 83	1.85 47.0	1.22 31.1	1.25 31.8	--_9GI9-x-LK		3.03 77.1	2.43 61.9	3.03 77.1	2.43 61.9	--_9AI9-x-LK		2.83 72.0	2.23 56.7	2.83 72.0	2.23 56.7	--_BUJO-x ZALU66-x-LK --_TUI9-x-LK	
.63 15.9	3.4 86	2.06 52.4	1.44 36.5	1.28 32.5	--	--	3.31 84.1	2.53 64.2	3.31 84.1	2.53 64.2	--_9AJ9-x-LK	11.5	3.04 77.4	2.26 57.5	3.04 77.4	2.26 57.5	--_BUJO-x ZALU66-x-LK --_TUI9-x-LK	
.75 19.1	3.8 96	2.10 53.3	1.35 34.3	1.50 38.1	--	--	3.47 88.2	2.87 73.0	3.47 88.2	2.87 73.0	--_9AK9-x-LK		3.08 78.3	2.48 63.1	3.08 78.3	2.48 63.1	--_BUKO-x ZALU66-x-LK --_TUK9-x-LK	
.75 19.1	4.13 105	2.04 51.8	1.29 32.7	1.56 39.7	--	--	3.47 88.2	3 76.2	3.47 88.2	3 76.2	--_9AL9-x-LK		3.27 83.1	2.79 71.0	3.27 83.1	2.79 71.0	--_BULO-x ZALU66-x-LK --_TUL9-x-LK	



2-Bolt Flange

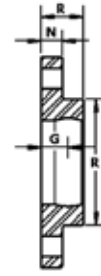
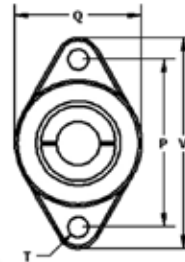
Polymer or Stainless "2" Series Flange Housing



Sample p/n 2GC



Sample p/n 2AE



*QuiKlean® adds .625" (5/8") standoff & LTB

Poly-Round®

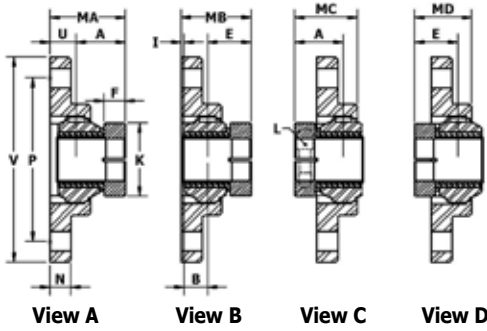
Standard

QuiKlean®

x = Shaft Size		mm Ø Inch Ø Ring Group		Polymer (KG)		Stainless (SS)		P	V	T	G	R	N
				Housing p/n	Q	Housing p/n	Q				G1*	R1*	N1*
mm	in	16ths		in	mm	in	mm	in	mm	Bolt size	in	mm	in
12	1/2	8	40	2GA	2.15	2AA	2.15	3	3.88	3/8	.53	.85	.44
	9/16	9	1.575		54.6		54.6	76.2	98.4		13.4	24.1	11.1
15	5/8	10	203	2GA-QK		2AA-QK					1.15	1.48	1.06
	11/16	11	A								29.3	37.6	27.1
12	1/2	8	47	2GB	2.69	2AB	2.42	3.53	4.41	3/8	.59	.95	.44
	9/16	9	1.850		68.3		61.5	89.7	112		15	24.1	11.1
15	5/8	10	204	2GB-QK		2AB-QK					1.22	1.56	1.06
	11/16	11	B								30.8	39.7	26.9
17	3/4	12	52	2GC	2.94	2AC	2.66	3.89	4.89	7/16	.63	1	.50
	13/16	13	2.047		74.6		67.5	98.8	124.2		16	25.4	12.7
25	7/8	14	205	2GC-QK		2AC-QK					1.26	1.62	1.12
	15/16	15	C								3.19	41.2	28.6
30	1	16	62	2GD	3.63	2AD	3.12	4.6	5.69	7/16	.66	1.06	.50
	1-1/16	17	2.441		92.1		79.4	116.7	142.1		16.7	27.0	12.7
	1-1/8	18	206	2GD-QK		2AD-QK					1.29	1.68	1.12
	1-3/16	19	D								32.6	42.8	28.6
	1-1/4	20	72	2GE	4	2AE	3.62	5.12	6.25	1/2	.79	1.22	.56
	1-3/8	21	2.835		101.6		92.1	130.2	158.7		20.1	31.0	14.3
35	1-5/8	22	207	2GE-QK		2AE-QK					1.42	1.84	1.18
	1-3/4	23	E								35.9	46.8	30.2
40	1-7/16	23	80	2GF	4.56	2AF	4	5.66	6.78	1/2	.76	1.24	.56
	1-1/2	24	3.150		115.9		101.6	143.7	172.2		19.3	27.4	14.3
45	1-9/16	25	208	2GF-QK		2AF-QK					1.39	1.68	1.18
	1-5/8	26	F								35.1	42.8	30.2
50	1-11/16	27	85	2GG	4.75	2AG	4.25	5.84	6.97	1/2	.76	1.24	.63
	1-3/4	28	3.346		120.7		108.0	148.4	177.0		19.3	27.4	15.9
	1-13/16	29	209								.76	1.24	.63
	1-7/8	30	90	2GH	5.06	2AH	4.56	6.19	7.31	1/2	.77	1.24	.63
	1-15/16	31	3.543		128.6		115.9	157.2	185.7		19.6	27.4	15.9
	2	32	210								.77	1.24	.63
			H								19.6	27.4	15.9
55	1-15/16	31	100	2GI	5.88	2AI	5.06	7.25	8.63	5/8	.92	1.47	.69
	2	32	3.937		149.2		128.6	184.2	219.1		23.4	37.3	17.5
	2-1/16	33	211								.92	1.47	.69
	2-1/8	34	I								23.4	37.3	17.5
	2-3/16	35									23.4	37.3	17.5
	2-1/4	36											
60	2-3/16	35	110	2GJ	6.56	2AJ	5.62	7.95	9.33	5/8	1.07	1.65	.69
	2-1/4	36	4.331		161.9		142.9	202.0	236.9		27.2	42.1	17.5
	2-5/16	37	212								1.07	1.65	.69
	2-3/8	38	J								27.2	42.1	17.5
	2-7/16	39											
70	2-7/16	39	125	2GK	6.94	2AK	6.44	8.31	9.69	5/8	1.25	1.87	.75
	2-1/2	40	4.921		176.2		163.5	211.1	246.1		31.8	47.6	19.1
	2-5/8	42	214								1.25	1.87	.75
	2-11/16	43	K								31.8	47.6	19.1
	2-3/4	44											
75	2-11/16	43	130	2GL	6.94	2AL	6.5	8.5	10.13	3/4	1.38	2	1
	2-3/4	44	5.118		176.2		165.1	215.9	257.2		35.1	50.8	25.4
	2-13/16	45	215								1.38	2	1
	2-7/8	46	L								35.1	50.8	25.4
	2-15/16	47											
	3	48											

All-Round® Solution® 2-Bolt Flange

"2" Series Housing with All-Round® Spherical Bearing Insert



Sample p/n QB2AE9-23-LK



Sample p/n QF2GC9-1-LK

DoubleLock® Sleeve		2-Bolt Flange Assembly																Polymer Bearing						
F	K	U	A	B	E	Polymer (KG)								Stainless (SS)								DoubleLock® Sleeve		
						*QuiKlean® adds .625" (5/8") standoff & LTB																		
in	in	in	in	in	in	Std Assembly	Wt lbs	MA*	MB*	MC	MD	Std Assembly	Wt lbs	MA*	MB*	MC	MD	Std Assembly	Wt lbs	MA*	MB*	MC	MD	All-Round® Assembly
mm	mm	mm	mm	mm	mm	QK Assembly		in	in	in	in	QK Assembly		in	in	in	in	QK Assembly		in	in	in	in	
.44 11.2	1.49 38	.53 13.5	1.04 26.4	.60 15.2	.75 19.1	__2GA9-x-LK __2GA-QK9-LK	.5 .6	1.56 39.8	1.28 32.5	1.35 34.5	1.07 27.2	__2AA9-x-LK	.9	1.56 39.8	1.28 32.5	1.35 34.5	1.07 27.2	__2UA9-x-LK		__BUAO-x ZALUA6-x-LK __IUA9-x-LK				
.50 12.7	1.63 41	.60 15.2	1.10 27.9	.60 15.2	.94 23.8	__2GB9-x-LK __2GB-QK9-x-LK	.7 .8	1.69 43.0	1.53 38.9	1.45 36.9	1.29 32.8	__2AB9-x-LK	1.2	1.69 43.0	1.53 38.9	1.45 36.9	1.29 32.8	__2IB9-x-LK		__BUBO-x ZALUB6-x-LK __IUB9-x-LK				
.50 12.7	1.75 44	.64 16.3	1.16 29.5	.66 16.8	.94 23.8	__2GC9-x-LK __2GC-QK9-x-LK	.9 1.0	1.79 45.6	1.57 39.9	1.51 38.5	1.29 32.8	__2AC9-x-LK __2AC-QK9-x-LK	1.7 2.1	1.79 45.6	1.57 39.9	1.49 38.0	1.27 32.3	__2IC9-x-LK		__BUCO-x ZALUC6-x-LK __IUC9-x-LK				
.50 12.7	2 50	.66 16.8	1.30 32.9	.80 20.2	.99 25.1	__2GD9-x-LK __2GD-QK9-x-LK	1.4 1.5	1.95 49.6	1.64 41.8	1.70 43.3	1.39 35.5	__2AD9-x-LK	2.6	1.95 49.6	1.64 41.8	1.70 43.3	1.39 35.5	__2ID9-x-LK		__BUDO-x ZALUD6-x-LK __IUD9-x-LK				
.50 12.7	2.25 57	.80 20.3	1.47 37.3	.97 24.6	1.00 25.4	__2GE9-x-LK __2GE-QK9-x-LK	2.1 2.2	2.26 57.4	1.79 45.5	1.90 48.2	1.43 36.3	__2AE9-x-LK __2AE-QK9-x-LK	3.7 4.0	2.26 57.4	1.79 45.5	1.90 48.2	1.43 36.3	__2IE9-x-LK		__BUEO-x ZALUE6-x-LK __IUE9-x-LK				
.50 12.7	2.38 60	.80 20.3	1.51 38.3	1.01 25.6	1.09 27.8	__2GF9-x-LK __2GF-QK9-x-LK	3.1 3.3	2.27 57.7	1.86 47.2	1.97 50.2	1.56 39.7	__2AF9-x-LK	5.0	2.27 57.7	1.86 47.2	1.97 50.2	1.56 39.7	__2IF9-x-LK		__BUFO-x ZALUF6-x-LK __IUF9-x-LK				
.63 15.9	2.75 70	.78 19.8	1.69 43	1.07 27.2	1.22 31	__2GG9-x-LK	3.6	2.45 62.3	1.98 50.3	2.17 55.1	1.69 43.1	__2AG9-x-LK	5.9	2.45 62.3	1.98 50.3	2.17 55.1	1.69 43.1	__2IG9-x-LK		__BUGO-x ZALUG6-x-LK __IUG9-x-LK				
.63 15.9	3 76	.78 19.8	1.69 43.0	1.07 27.2	1.22 31	__2GH9-x-LK	4.0	2.46 62.5	1.98 50.5	2.16 54.9	1.68 42.9	__2AH9-x-LK	6.5	2.46 62.5	1.98 50.5	2.16 54.9	1.68 42.9	__2IH9-x-LK		__BUHO-x ZALUH6-x-LK __IUH9-x-LK				
.63 15.9	3.25 83	.93 23.6	1.85 47.0	1.22 31.1	1.25 31.8	__2GI9-x-LK	5.6	2.77 70.4	2.17 55.2	2.39 60.9	1.79 45.6	__2AI9-x-LK	9.3	2.77 70.4	2.17 55.2	2.39 60.9	1.79 45.6	__2II9-x-LK		__BUIO-x ZALUI6-x-LK __IUI9-x-LK				
.63 15.9	3.4 86	1.1 27.9	2.06 52.4	1.44 36.5	1.28 32.5	__2GJ9-x-LK	6.8	3.13 79.5	2.34 59.6	2.65 67.4	1.87 47.5	__2AJ9-x-LK		3.13 79.5	2.34 59.6	2.65 67.4	1.87 47.5	__2IJ9-x-LK		__BUJO-x ZALUJ6-x-LK __IUJ9-x-LK				
.75 19.1	3.8 96	1.24 31.5	2.10 53.3	1.35 34.3	1.50 38.1	__2GK9-x-LK		3.35 85.0	2.75 69.8	2.71 68.8	2.11 53.5	__2AK9-x-LK	10.6	3.35 85.0	2.75 69.8	2.71 68.8	2.11 53.5	__2IK9-x-LK		__BUKO-x ZALUK6-x-LK __IUK9-x-LK				
.75 19.1	4.13 105	1.38 35.0	2.04 51.8	1.29 32.7	1.56 39.7	__2GL9-x-LK	9.1	3.42 86.9	2.94 74.8	2.63 66.8	2.15 54.7	__2AL9-x-LK		3.42 86.9	2.94 74.8	2.63 66.8	2.15 54.7	__2IL9-x-LK		__BULO-x ZALUL6-x-LK __IUL9-x-LK				



Small Pattern 2-Bolt Flange

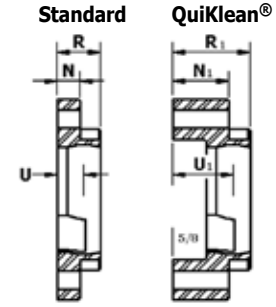
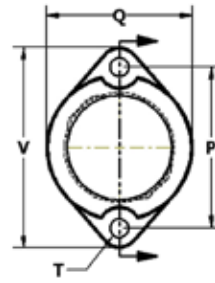
Polymer or Stainless "6" Series Small Pattern 2-Bolt Housing



Sample p/n 6GB



Sample p/n 6AB



*QuiKlean® adds .625" (5/8") standoff & LTB

x = Shaft Size			mm∅ Inch∅ Ring Group	Polymer (KG)		Stainless (SS)		P	V	T	R	N	U
				Housing p/n	Q	Housing p/n	Q				R1*	N1*	U1*
mm	in	16ths			in mm		in mm	in mm	Bolt size	in mm	in mm	in mm	
12	1/2	8	40	6GA	2-3/32 53.2	6AA	2.09 53.2	2.5 63.5	3.18 81.0	1/4	.69 17.5	.38 9.5	.46 11.7
15	9/16	9	1.575	6GB	2-13/32 61.4	6AB	2.42 61.4	2.81 71.4	3.56 90.5	5/16	.87 22.2	.42 10.7	.50 12.7
15	5/8	10	203										
17	11/16	11	A										
12	1/2	8	47	6GC	2-23/32 69.1	6AC	2.72 69.1	3 76.2	3.75 95.2	5/16	.81 20.6	.42 10.7	.46 11.7
15	9/16	9	1.850										
17	11/16	11	204										
20	3/4	12	B										
25	3/4	12	52	6GD	3-3/32 78.6	6AD	3.09 78.6	3.56 90.5	4.43 112.7	3/8	.96 24.6	.46 11.9	.56 14.2
13	13/16	13	2.047										
14	7/8	14	205										
15	15/16	15	C										
30	1-3/16	19	62	6GE	3-1/2 88.9	6AE	3.50 88.9	3.94 100.0	4.74 125.4	3/8	.84 21	.50 12.7	.56 14.3
16	1	16	2.441										
17	1-1/16	17	206										
18	1-1/8	18	D										
35	1-7/16	23	72	6GE-QK	3-1/2 88.9	6AE-QK	3.50 88.9	3.94 100.0	4.74 125.4	3/8	1.5 38.1	1.12 28.5	1.18 30.2
19	1-1/4	20	2.835										
20	1-5/16	21	207										
21	1-3/8	22	E										
22	1-3/8	22											

Round bolt holes are standard.

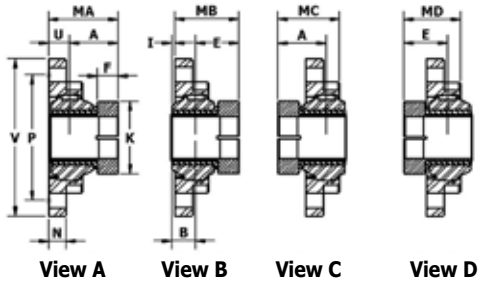
*Square bolt holes are available.
If required, please call for price and lead time.



Square bolt holes designated with 'Q'
i.e. 6GB-Q or __ 6AB-Q9-x-LK

All-Round® Solution® Small Pattern 2-Bolt Flange

"6" Series Housing with All-Round® Spherical Bearing Insert



Sample p/n QB6AB9-3/4-LK



Sample p/n QB6GC9-1-LK

DoubleLock® Sleeve		Small Pattern 2-Bolt Assembly														Polymer Bearing DoubleLock® Sleeve All-Round® Assembly		
F	K	U	A	B	E	Polymer (KG)					*QuiKlean® adds .625" (5/8") standoff & LTB						Stainless (SS)	
						Std Assembly	Wt lbs	MA*	MB*	MC	MD	Std Assembly	Wt lbs	MA*	MB*			MC
in	in	in	in	in	in	QK Assembly	in	in	in	in	QK Assembly	in	in	in	in			
.44 11.2	1.49 38	.57 14.5	1.04 26.4	.60 15.2	.75 19.1	--_6GA9-x-LK	.5	1.46 37.1	1.17 29.8	1.31 33.4	1.02 26.1	--_6AA9-x-LK	.8	1.46 37.1	1.17 29.8	1.31 33.4	1.02 26.1	--_BUAO-x ZALUA6-x-LK --_IUA9-x-LK
.50 12.7	1.63 41	.67 17.0	1.10 27.9	.60 15.2	.94 23.8	--_6GB9-x-LK	.6	1.6 40.6	1.43 36.5	1.45 36.9	1.29 32.8	--_6AB9-x-LK	1.0	1.6 40.6	1.43 36.5	1.45 36.9	1.29 32.8	--_BUBO-x ZALUB6-x-LK --_IUB9-x-LK
.50 12.7	1.75 44	.71 18.0	1.16 29.5	.66 16.8	.94 23.8	--_6GC9-x-LK	.8	1.62 41.1	1.39 35.4	1.51 38.5	1.29 32.8	--_6AC9-x-LK	1.4	1.66 42.2	1.43 36.5	1.47 37.4	1.25 31.7	--_BUCO-x ZALUC6-x-LK --_IUC9-x-LK
.50 12.7	2 50	.78 19.8	1.30 32.9	.80 20.2	.99 25.1	--_6GD9-x-LK	1.3	1.86 47.2	1.55 39.4	1.69 42.9	1.38 35.1	--_6AD9-x-LK	2.8	1.86 47.2	1.55 39.4	1.69 42.9	1.38 35.1	--_BUDO-x ZALUD6-x-LK --_IUD9-x-LK
.50 12.7	2.25 57	.93 23.6	1.47 37.3	.97 24.6	1 25.4	--_6GE9-x-LK --_6GE-QK9-x-LK	1.9	2.03 51.6	1.56 39.7	1.86 47.3	1.39 35.4	--_6AE9-x-LK --_6AE-QK9-x-LK	2.8	2.03 51.6	1.56 39.7	1.86 47.3	1.39 35.4	--_BUEO-x ZALUE6-x-LK --_IUE9-x-LK



4-Bolt Flange

Polymer or Stainless "4" Series 4-Bolt Flange Housing

Standard QuiKlean®



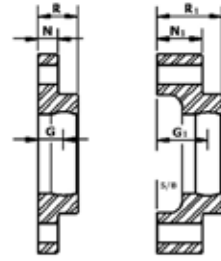
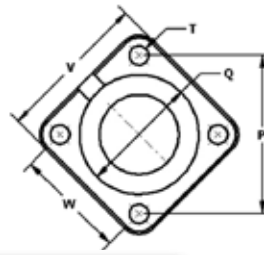
Sample p/n 4GE-QK



Sample p/n 4AE



Sample p/n 4AG-SPLIT

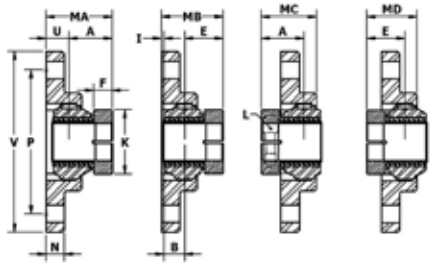


*QuiKlean® adds .625" (5/8") standoff & LTB

x = Shaft Size		mm∅ Inch∅ Ring Group	Polymer (KG)		Stainless (SS)		W	V	P	T	G	R	N
			Housing p/n	Q	Housing p/n	Q					G1*	R1*	N1*
mm	in	16ths	in mm	in mm	in mm	in mm	in mm	in mm	Bolt size	in mm	in mm	in mm	
12	1/2	8	40	4GA	2.15	4AA	2.12	3	3	3/8	.53	.85	.43
15	9/16	9	1.575		203		54.6				13.5	21.4	11.1
17	5/8	10	203	4GA-QK	54.6	--	54.0	76.2	76.2		1.15	1.44	1.06
	11/16	11	A								29.2	37.4	27
12	1/2	8	47	4GB	2.68	4AB	2.5	3.37	3.54	3/8	.59	.84	.44
15	9/16	9	1.850		204		61.5	63.5	89.9		15.1	23.8	11.1
17	5/8	10	204										
20	11/16	11	B	4GB-QK	68.1	4AB-QK					1.22	1.57	1.06
	3/4	12									30.6	39.9	26.9
	13/16	13	52	4GC	2.93	4AC	2.66	3.75	3.89	7/16	.63	1	.5
	7/8	14	2.047		74.4		67.6	69.9	95.3		16.7	25.4	12.7
25	15/16	15	205										
	1	16	C	4GC-QK		4AC-QK					1.26	1.63	1.12
											32	41.4	28.4
	1	16	62	4GD	3.62	4AD	3.12	3.25	4.25	7/16	.66	1.07	.5
	1-1/16	17	2.441		91.9		79.2	82.6	108.0		16.7	27.0	12.7
	1-1/8	18	206										
30	1-3/16	19	D	4GD-QK		4AD-QK					1.28	1.69	1.12
	1-1/4	20									32	42.9	28.4
	1-3/16	19	72	4GE	4.0	4AE	3.62	4.75	5.13	1/2	.79	1.22	.56
	1-1/4	20	2.835		101.6		91.9	92.1	130.3		20.1	31.0	14.3
	1-5/16	21	207										
35	1-3/8	22	E	4GE-QK		4AE-QK					1.42	1.85	1.19
	1-7/16	23									36	47	30.2
	1-7/16	23	80	4GF	4.56	4AF	4	5.12	5.66	1/2	.77	1.24	.56
	1-1/2	24	3.150		115.8		101.6	130.2	143.7		19.5	31.8	14.3
	1-9/16	25	208										
40	1-5/8	26	F	4GF-QK		4AF-QK					1.39	1.86	1.18
											35.4	47.2	30
	1-1/2	24	85	4GG	4.74	4AG	4.25	5.25	5.83	1/2	.76	1.24	.62
	1-5/8	26	3.346		120.4		108.0	104.8	133.4		19.5	31.8	15.9
	1-11/16	27	209										
45	1-3/4	28	G										
	1-11/16	27	90	4GH	5.06	4AH	4.56	4.37	6.19	1/2	.77	1.24	.62
	1-3/4	28	3.543		128.5		115.8	111.1	157.2		19.6	31.8	15.9
	1-13/16	29	210										
50	1-7/8	30	H										
	1-15/16	31											
	2	32											
	1-15/16	31	100	4GI	5.87	4AI	5.06	5.12	7.25	5/8	.92	1.47	.69
	2	32	3.937		149.1		128.5	130.2	184.2		23.5	37.3	17.5
	2-1/16	33	211										
55	2-1/8	34	I										
	2-3/16	35											
	2-1/4	36											
	2-3/16	35	110	4GJ	6.56	4AJ	5.62	5.62	7.96	5/8	1.07	1.66	.69
	2-1/4	36	4.331		166.6		142.7	142.9	202.8		27.1	42.1	17.5
	2-5/16	37	212										
60	2-3/8	38	J										
	2-7/16	39											
	2-7/16	39	125	4GK	6.94	4AK	6.44	5.87	8.31	5/8	1.25	1.86	.75
	2-1/2	40	4.921		176.3		163.6	149.2	184.2		31.8	47.6	19.1
	2-5/8	42	214										
70	2-11/16	43	K										
	2-3/4	44											
	2-11/16	43	130	4GL	6.94	4AL	6.5	6	7.62	3/4	1.38	1.98	1
	2-3/4	44	5.118		176.3		165.1	152.4	193.7		35.2	50.8	25.4
	2-13/16	45	215										
75	2-7/8	46	L										
	2-15/16	47											
	3	48											
	2-3/4	44	140	4GM	6.94	4AM	6.5	6	7.62	3/4	1.38	1.98	1
	2-7/8	46	5.511		176.3		165.1	152.4	193.7		35.7	50.8	25.4
	2-15/16	47	216										
80	3	48	M										
	3-1/8	50											
	3-3/16	51											
	2-3/4	44	160	--	--	4AO	7.75	6	8.49	3/4	1.38	1.98	1
	2-15/16	47	6.299				196.9	152.4	193.7		35.2	50.8	25.4
	3-1/4	52	218										
	3-7/16	55	O										
90	3-1/2	56											

All-Round® Solution® 4-Bolt Flange

"4" Series Housing with All-Round® Spherical Bearing Insert



View A **View B** **View C** **View D**



Sample p/n QB4AE9-2-LK

Sample p/n QB4GE9-20-LK

DoubleLock® Sleeve		4-Bolt Assembly														Polymer Bearing			
F	K	U	A	B	E	Polymer (KG)					Stainless (SS)					DoubleLock® Sleeve	All-Round® Assembly		
in mm	in mm	in mm	in mm	in mm	in mm	Std Assembly	Wt	MA*	MB*	MC	MD	Std Assembly	Wt	MA*	MB*	MC	MD		
						QK Assembly	lbs	in	in	in	in	QK Assembly	lbs	in	in	in	in		
.44 11.2	1.49 38	.53 13.5	1.04 26.4	.60 15.2	.75 19.1	--4GA9-x-LK	.6	1.56 39.8	1.28 32.5	1.35 34.5	1.07 27.2	--4AA9-x-LK	1.2	1.56 39.8	1.28 32.5	1.35 34.5	1.07 27.2	--BUAO-x ZALU6-x-LK --IUA9-x-LK	
						--4GA-QK9-x-LK	.7					--4AA-QK9-x-LK	1.6						
.50 12.7	1.63 41	.60 15.2	1.10 27.9	.60 15.2	.94 23.8	--4GB9-x-LK	.8	1.69 43.0	1.53 38.9	1.45 36.9	1.29 32.8	--4AB9-x-LK	2.0	1.69 43.0	1.53 38.9	1.45 36.9	1.29 32.8	--BUBO-x ZALUB6-x-LK --IUB9-x-LK	
						--4GB-QK9-x-LK	.9					--4AB-QK9-x-LK	2.4						
.50 12.7	1.75 44	.64 16.3	1.16 29.5	.66 16.8	.94 23.8	--4GC9-x-LK	1.1	1.79 45.6	1.57 39.9	1.51 38.5	1.29 32.8	--4AC9-x-LK	2.4	1.79 45.6	1.57 39.9	1.49 38.0	1.27 32.3	--BUCO-x ZALUC6-x-LK --IUC9-x-LK	
						--4GC-QK9-x-LK	1.2					--4AC-QK9-x-LK	2.9						
.50 12.7	2.0 50	.66 16.8	1.30 32.9	.80 20.2	.99 25.1	--4GD9-x-LK	1.6	1.95 49.6	1.64 41.8	1.70 43.3	1.39 35.5	--4AD9-x-LK	3.3	1.95 49.6	1.64 41.8	1.70 43.3	1.39 35.5	--BUDO-x ZALUD6-x-LK --IUD9-x-LK	
						--4GD-QK9-x-LK	1.7					--4AD-QK9-x-LK	3.8						
.50 12.7	2.25 57	.80 20.3	1.47 37.3	.97 24.6	1 25.4	--4GE9-x-LK	2.3	2.26 57.4	1.79 45.5	1.90 48.2	1.43 36.3	--4AE9-x-LK	4.9	2.26 57.4	1.79 45.5	1.90 48.2	1.43 36.3	--BUEO-x ZALUE6-x-LK --IUE9-x-LK	
						--4GE-QK9-x-LK	2.4					--4AE-QK9-x-LK	5.5						
.50 12.7	2.38 60	.80 20.3	1.51 38.3	1.01 25.6	1.09 27.8	--4GF9-x-LK	3.1	2.27 57.7	1.86 47.2	1.97 50.2	1.56 39.7	--4AF9-x-LK	6.7	2.27 57.7	1.86 47.2	1.97 50.2	1.56 39.7	--BUFO-x ZALUF6-x-LK --IUF9-x-LK	
						--4GF-QK9-x-LK	3.3					--4AF-QK9-x-LK	7.3						
.63 15.9	2.75 70	.78 19.8	1.69 43	1.07 27.2	1.22 31	--4GG9-x-LK	3.8	2.45 62.3	1.98 50.3	2.17 55.1	1.69 43.1	--4AG9-x-LK	7.5	2.45 62.3	1.98 50.3	2.17 55.1	1.69 43.1	--BUGO-x ZALUG6-x-LK --IUG9-x-LK	
						--4GH9-x-LK	4.2	2.46 62.5	1.98 50.5	2.16 54.9	1.68 42.9	--4AH9-x-LK	7.8	2.46 62.5	1.98 50.5	2.16 54.9	1.68 42.9	--BUHO-x ZALUH6-x-LK --IUH9-x-LK	
.63 15.9	3.25 83	.93 23.6	1.85 47	1.22 31.1	1.25 31.8	--4GI9-x-LK	6.0	2.77 70.4	2.17 55.2	2.39 60.9	1.79 45.6	--4AI9-x-LK	13.0	2.77 70.4	2.17 55.2	2.39 60.9	1.79 45.6	--BUJO-x ZALUI6-x-LK --IUI9-x-LK	
						--4GJ9-x-LK	7.2	3.13 79.5	2.34 59.6	2.65 67.4	1.87 47.5	--4AJ9-x-LK	16.4	3.13 79.5	2.34 59.6	2.65 67.4	1.87 47.5	--BUJO-x ZALUJ6-x-LK --IUJ9-x-LK	
.75 19.1	3.8 96	1.24 31.5	2.10 53.3	1.35 34.3	1.50 38.1	--4GK9-x-LK	9.2	3.35 85.0	2.75 69.8	2.71 68.8	2.11 53.5	--4AK9-x-LK	19.3	3.35 85.0	2.75 69.8	2.71 68.8	2.11 53.5	--BUKO-x ZALUK6-x-LK --IUK9-x-LK	
						--4GL9-x-LK	9.9	3.42 86.9	2.94 74.8	2.63 66.8	2.15 54.7	--4AL9-x-LK	22.0	3.42 86.9	2.94 74.8	2.63 66.8	2.15 54.7	--BULO-x ZALUL6-x-LK --IUL9-x-LK	
.75 19.1	4.5 114.3	1.39 35.3	2.26 57.4	1.51 38.4	1.59 40.4	--4GM9-x-LK		3.62 92.0	2.95 75.0	2.87 73.0	2.20 56.0	--4AM9-x-LK	21.8	3.64 92.6	2.97 75.5	2.85 72.4	2.18 55.4	--BUMO-x ZALUM6-x-LK --IUM9-x-LK	
						--	--	3.55 90.2	2 50.8	3.03 77.0	1.48 37.5	--4AO9-x-LK		3.55 90.2	2 50.8	3.03 77.0	1.48 37.5	--BUOO-x ZALUO6-x-LK --IUO9-x-LK	



Small Pattern 4-Bolt

Polymer or Stainless 4-Bolt Flange "4^-01" Series Housing



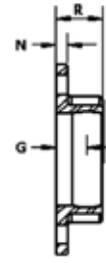
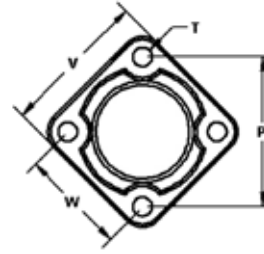
Sample p/n 4GC-01-QK



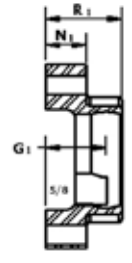
Sample p/n 4AC-01



Sample p/n 4GC-01



Standard



QuiKlean®

x = Shaft Size		mm∅ Inch∅ Ring Group	Polymer (KG)	Stainless (SS)	W	V	P	T	G	R	N
mm	in								16 ^{ths}	G1*	R1*
			Housing p/n	Housing p/n	in mm	in mm	in mm	Bolt size	in mm	in mm	in mm
3/4	12	52 2.047 205 C	4GC-01	4AC-01	2.25 57.15	3.13 79.4	5.06 128.6	3/8	.66 17.7	.99 25.1	.25 6.4
13/16	13		4GC-01-QK	4AC-01-QK					1.29 32.8	1.62 41.1	.88 22.4
7/8	14										
15/16	15										
25	1	16									

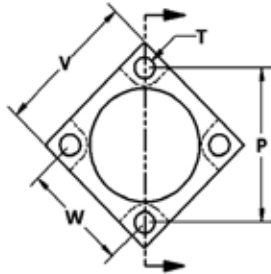
*QuiKlean® adds .625" (5/8") standoff & LTB


"Breader Bearing"

Stainless "ZA100" QuiKlean® housing is exclusive to EDT
Specially designed to retrofit into most popular breading equipment



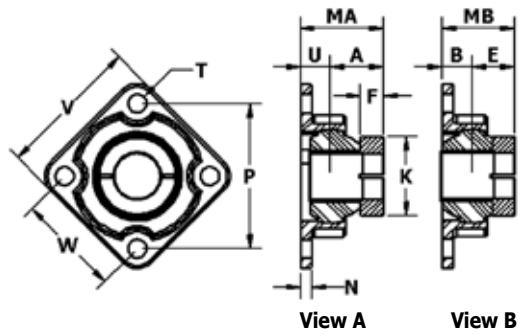
Sample p/n ZA100-QK



x = Shaft Size		mm∅ Inch∅ Ring Group	Stainless (SS)	W	V	P	T	G	R	D
mm	in									16 ^{ths}
25	3/4	12	ZA100-QK 	1.87	2.5	2.65	5/16	.93	1.28	.13
	1	16								

All-Round® Solution 4-Bolt

4-Bolt Flange "4^-01" Series Housing with All-Round® Spherical Bearing Insert



Sample p/n QB4AC-019-1-LK



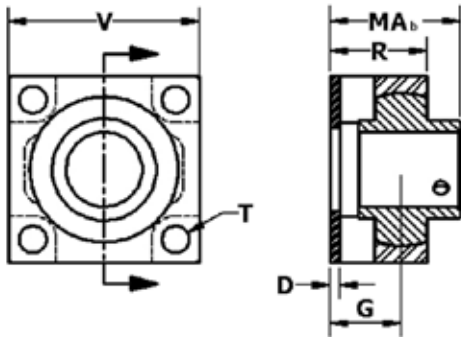
Sample p/n QB4GC-019-1-LK

*QuiKlean® adds .625" (5/8") standoff & LTB

DoubleLock® Sleeve		Small Pattern 4-Bolt Assembly								Polymer Bearing DoubleLock® Sleeve All-Round® Assembly		
F	K	B	U	A	E	MA*	MB*	Polymer (KG)			Stainless (SS)	
in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	Std Assembly (w/sleeve)	Wt lbs		Std Assembly (w/sleeve)	Wt lbs
								QK Assembly (w/sleeve)			QK Assembly (w/sleeve)	
.50 12.7	1.75 44	0.66 16.8	.71 18.0	1.16 29.5	0.94 23.8	1.84 46.7	1.64 41.7	_4GC-019-x-LK	.9	_4AC-019-x-LK	1.7	
								_4GC-01-QK9-x-LK	1.0	_4AC-01-QK9-x-LK	2.1	




"Breeder Bearing" Assembly

Stainless 4-Bolt QuiKlean® Housing with Solid Lubricated Ball Bearing Insert & Backing Plate



Sample p/n
ZJZA100-QK8-1

NOTE: Ball bearing is recommended on popular breeding equipment

MA _b	Breeder Bearing Components			
in mm	Bearing	Backing Plate	Assembly	Wt lbs
1.70	205-16-J 	PA100-1 	ZJZA100-QK8-1 	1.0

EDT recommends assembly with solid lubricated ball bearing.

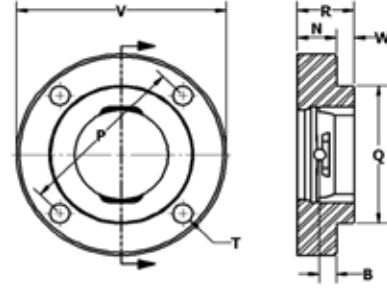


Piloted 4-bolt Flange

Polymer or Stainless "24" Series Piloted 4-Bolt Housing



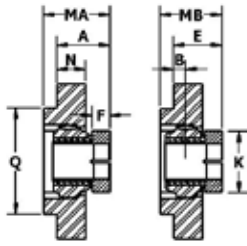
Sample p/n 24AE Sample p/n 24GE



x = Shaft Size			mm∅ Inch∅ Ring Group	Polymer (KG) Housing p/n	Stainless (SS) Housing p/n	P	V	W	R	N	B	Q	T
mm	in	16 ^{ths}				in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm
12	1/2	8	40	--	--	--	--	--	--	--	--	--	--
15	9/16	9	1.575										
	5/8	10	203										
17	11/16	11	A										
12	1/2	8	47										
15	9/16	9	1.850										
17	5/8	10	204										
20	11/16	11	B										
	3/4	12	52										
	13/16	13	2.047	24GC	24AC	3.63	4.38	.38	1.19	.88	11.34	3	
	7/8	14	205			92.1	111.1	9.5	30.1	22.2	8.7	76.2	3/8
25	15/16	15	C										
	1	16	62										
	1-1/16	17	2.441	24GD	24AD	3.63	4.38	.38	1.25	.88	.34	3	
	1-1/8	18	206			92.1	111.1	9.5	31.7	22.2	8.7	76.2	3/8
30	1-3/16	19	D										
	1-1/4	20	72										
	1-3/16	19	2.835	24GE	24AE	4.13	5	.38	1.25	.88	.34	3.38	
	1-5/16	21	207			104.8	127.0	9.5	31.7	22.2	8.7	85.7	7/16
35	1-3/8	22	E										
	1-7/16	23	80										
	1-1/2	24	3.150	24GF	24AF	4.38	5.25	.44	1.44	.88	.34	3.63	
	1-9/16	25	208			111.1	133.4	11.1	36.5	22.2	8.7	92.1	7/16
40	1-5/8	26	F										
	1-1/2	24	85										
	1-5/8	26	3.346	24GG	24AG	4.38	5.25	.44	1.44	.88	.34	3.63	
	1-11/16	27	209			111.1	133.4	11.1	36.5	22.2	8.7	92.1	1/2
45	1-3/4	28	G	◆ 24GG/DSC	◆ 24AG/DSC	4.75	5-3/4					4	
						120.65	146.1					101.6	1/2
	1-11/16	27	90										
	1-3/4	28	3.543	24GH	24AH	5.13	6.13	.63	1.50	.88	.23	4.25	
	1-13/16	29	210			130.2	155.6	15.9	38.1	22.2	6.0	108.0	1/2
50	1-7/8	30	H										
	1-15/16	31											
	2	32	100										
	1-15/16	31	3.937	24GI	24AI	5.38	6.38	.63	1.50	.88	.19	4.25	
	2	32	211			136.5	161.9	15.9	38.1	22.2	4.7	114.3	1/2
55	2-1/16	33	I										
	2-1/8	34											
	2-3/16	35											
	2-1/4	36	110										
	2-3/16	35	4.331	24GJ	24AJ	6	7.13	.88	1.88	1	.19	5	
	2-1/4	36	212			152.4	180.9	22.2	47.6	25.4	4.7	127	9/16
60	2-5/16	37	J										
	2-3/8	38											
	2-7/16	39											
	2-1/2	40	125										
	2-5/8	42	4.921	24GK	24AK	6.5	7.63	1	2	1	.11	5.50	
	2-11/16	43	214			165.1	193.7	25.4	50.8	25.4	2.7	132.1	9/16
70	2-3/4	44	K										
	2-11/16	43	130										
	2-3/4	44	5.118	24GL	24AL	7.5	8.75	1.13	2.13	1	.13	6.38	
	2-13/16	45	215			190.5	222.2	28.6	54.0	25.4	3.1	161.9	11/16
75	2-7/8	46	L										
	2-15/16	47											
	3	48	140										
	2-3/4	44	5.511	24GM	24AM	7.5	8.75	1.13	2.13	1	.13	6.38	
	2-7/8	46	216			190.5	222.2	28.6	54.0	25.4	3.1	161.9	11/16
80	2-15/16	47	M										
	3	48											
	3-1/8	50											
	3-3/16	51											

All-Round® Solution® Piloted Flange

"24" Series Housing with All-Round® Spherical Bearing Insert



View A

View B



Sample p/n QB24AE9-23-LK



Sample p/n QB24GE9-23-LK

DoubleLock® Sleeve		B	A	E	MA	MB	Piloted Flange Assembly				Polymer Bearing
F	K						Polymer (KG)		Stainless (SS)		DoubleLock® Sleeve
in mm	in mm						Assembly	Wt lbs	Assembly	Wt lbs	All-Round® Assembly
--	--	--	--	--	--	--	--	--	--	--	--
.50 12.7	1.75 44	.66 16.8	1.16 29.5	.94 23.8	1.88 47.8	1.65 42.0	--_24GC9-x-LK	1.3	--_24AC9-x-LK	--	--_BUCO-x ZALUC6-x-LK --_IUC9-x-LK
.50 12.7	2.0 50	.80 20.2	1.30 32.9	.99 25.1	2.01 51.2	1.70 43.4	--_24GD9-x-LK	1.7	--_24AD9-x-LK	--	--_BUJO-x ZALUD6-x-LK --_IUD9-x-LK
.50 12.7	2.25 57	.97 24.6	1.47 37.3	1 25.4	2.17 55.2	1.70 43.3	--_24GE9-x-LK	2.4	--_24AE9-x-LK	5.2	--_BUEO-x ZALUE6-x-LK --_IUE9-x-LK
.50 12.7	2.38 60	1.01 25.6	1.51 38.3	1.09 27.8	2.25 57.3	1.84 46.8	--_24GF9-x-LK	3.3	--_24AF9-x-LK	6.1	--_BUFO-x ZALUF6-x-LK --_IUF9-x-LK
.63 15.9	2.75 70	1.07 27.2	1.69 43	1.22 31	2.44 62.0	1.96 50.0	--_24GG9-x-LK	3.7	--_24AG9-x-LK	6.2	--_BUGO-x ZALUG6-x-LK --_IUG9-x-LK
							◆ 24GG/DSC is a specific match to the DODGE SC FC-bearing				
							--_24GG/DSC9-x-LK	3.7	--_24AG/DSC9-x-LK	8.0	
.63 15.9	3.0 76	1.07 27.2	1.69 43	1.22 31	2.55 64.8	2.08 52.8	--_24GH9-x-LK	4.1	--_24AH9-x-LK	8.8	--_BUHO-x ZALUH6-x-LK --_IUH9-x-LK
.63 15.9	3.25 83	1.22 31.1	1.85 47	1.25 31.8	2.66 67.6	2.06 52.4	--_24GI9-x-LK	5.4	--_24AI9-x-LK	9.9	--_BUJO-x ZALUI6-x-LK --_IUI9-x-LK
.63 15.9	3.4 86	1.44 36.5	2.06 52.4	1.28 32.5	3.12 79.4	2.34 59.5	--_24GJ9-x-LK		--_24AJ9-x-LK		--_BUJO-x ZALUJ6-x-LK --_IUJ9-x-LK
.75 19.1	3.8 96	1.35 34.3	2.10 53.3	1.50 38.1	3.20 81.4	2.60 66.2	--_24GK9-x-LK	8.6	--_24AK9-x-LK	16.1	--_BUKO-x ZALUK6-x-LK --_IUK9-x-LK
.75 19.1	4.13 105	1.29 32.7	2.04 51.8	1.56 39.7	3.28 83.4	2.81 71.3	--_24GL9-x-LK	9.7	--_24AL9-x-LK		--_BULO-x ZALUL6-x-LK --_IUL9-x-LK
.75 19.1	4.45 113	1.51 38.4	2.26 57.4	1.59 40.4	3.50 89.1	2.83 72.0	--_24GM9-x-LK	12.1	--_24AM9-x-LK	25.5	--_BUMO-x ZALUM6-x-LK --_IUM9-x-LK

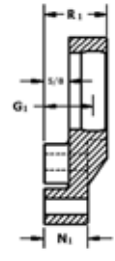
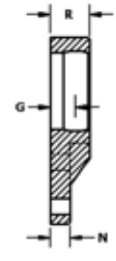
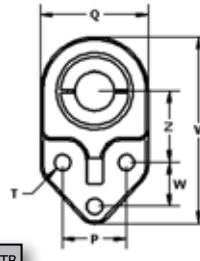


3-Bolt Extension Flange

Polymer or Stainless "3" Series 3-Bolt Extension Housing

Standard

QuiKlean®



*QuiKlean® adds .625" (5/8") standoff & LTB

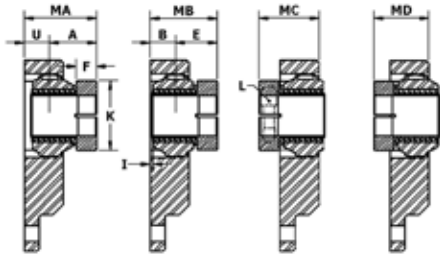
Sample p/n 3GC-QK

Sample p/n 3AC

x = Shaft Size			mm Inch Ring Group	Polymer (KG)				Stainless (SS)				Z	W	Z+W	P	T	R		
				Housing p/n	V	Q	N	G	Housing p/n	V	Q							N	G
mm	in	16ths		in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	Bolt size	in mm			
						N1*	G1*	N1*	G1*							R1*			
12	1/2	8	40	3GA	3.65	2.19	.44	.53	3AA	3.5	2	.25	.53	1.38	.81	2.19	1.25	5/16	.85
	9/16	9	1.575		92.9	55.6	11.1	13.4		88.9	50.8	6.4	13.5	34.9	20.6	55.6	31.8		21.5
15	5/8	10	203	3GA-QK			1.06	1.15											1.48
	11/16	11	A				27.0	29.3											37.4
12	1/2	8	47	3GB	4.34	2.56	.44	.59	3AB	4.25	2.5	.31	.59	1.68	.89	2.56	1.5	3/8	.95
	9/16	9	1.850		110.3	65.1	11.1	15		108.0	63.5	7.9	14.9	42.9	22.2	65	38.1		24.1
15	5/8	10	204	3GB-QK			1.06	1.22											1.58
	11/16	11	B				27.0	31.0											40.0
17	3/4	12	52	3GC	4.75	2.75	.50	.63	3AC	4.75	2.75	.38	.64	1.81	1.12	2.94	1.62	3/8	1
	13/16	13	2.047		120.7	69.9	12.7	16		120.7	69.9	9.5	16.3	46.1	28.6	74.6	41.3		25.4
25	7/8	14	205	3GC-QK			1.12	1.26											1.62
	15/16	15	C				28.6	32.0											41.1
1	1-1/16	16	62	3GD	5.44	3.25	.50	.66	3AD	5.38	3.12	.38	.66	2.06	1.25	3.31	1.84	3/8	1.06
	17	17	2.441		138.1	82.6	12.7	16.7		136.5	79.4	9.5	16.7	52.4	31.8	84	47.6		27.1
30	1-3/16	18	206	3GD-QK			1.12	1.28											1.68
	19	19	D				28.6	20											43.0
1-3/16	19	19	72	3GE	6.19	3.56	.56	.79	3AE	6	3.63	.50	.79	2.37	1.25	1.84	2	1/2	1.22
	20	20	2.835		157.2	96.9	14.3	20		152.4	92.1	12.7	20	60.3	31.8	92	50.8		31.1
35	1-5/16	21	207	3GE-QK			1.18	1.42	3AE-QK			1.13	1.42						1.84
	22	22	E				30.2	35.4				28.6	35.9						46.9
1-7/16	23	23	80	3GF	6.67	4.25	.56	.77	3AF	6.5	4	.50	.77	2.56	1.37	3.94	2.25	1/2	1.28
	24	24	3.150		170.7	108.0	14.3	19.5		165.1	101.6	12.7	19.6	65.1	34.9	100	57.2		31.8
40	1-9/16	25	208	3GF-QK			1.19	1.39											1.86
	26	26	F				30.2	35.4											47.4
1-1/2	26	26	85	--	--	--	--	--	3AG	6.94	4.25	.50	.76	2.75	1.5	4.25	2.5	1/2	1.24
	27	27	3.346							176.2	108.0	12.7	19.8	69.9	38.1	104.8	63.5		31.8
45	1-11/16	28	209	3GH	7.62	4.87	.62	.77	3AH	7.41	4.56	.50	.77	2.94	1.62	4.56	2.75	1/2	1.24
	29	29	3.543		193.7	123.8	15.9	19.6		188.1	115.9	12.7	19.4	74.6	41.3	115.8	69.9		31.8
50	1-7/8	30	210	3GH-QK															
	31	31	H																
1-15/16	32	32	90	3GI	8.29	5.37	.69	.92	3AI	8.04	4.95	.63	.92	3.12	1.75	4.87	3	5/8	1.47
	33	33	3.937		210.6	136.5	17.5	23.5		205.6	128.6	15.9	23.4	79.4	44.5	123.8	76.2		37.3
55	2-1/8	34	211	3GI-QK															
	35	35	I																
2-3/16	36	36	110	3GJ	9.19	6	.69	1.07	3AJ	8.88	5.63	.63	1.07	3.37	2	5.37	3.5	5/8	1.66
	37	37	4.331		233.4	152.4	17.5	27.1		225.4	142.9	15.9	27.2	85.7	50.8	136.5	88.9		42.1
60	2-5/16	38	212	3GJ-QK															
	39	39	J																
2-7/16	39	39	125	--	--	--	--	--	3AK	10.03	6.47	.63	1.25	3.75	2.37	6.12	4.25	5/8	1.87
	40	40	4.921							254.8	163.5	15.9	31.8	95.3	60.3	155.5	108.0		47.6
70	2-5/8	42	214	3AK-QK															
	43	43	K																
2-11/16	43	43	130	--	--	--	--	--	3AL	10.69	6.5	.75	1.39	4	2.62	6.62	4.25	3/4	2
	44	44	5.118							271.5	165.1	19.1	35.2	101.6	66.7	168.3	108.0		50.8
75	2-7/8	46	215	3AL-QK															
	47	47	L																
2-15/16	48	48																	
	3	3																	

All-Round® Solution® 3-Bolt Extension Flange

"3" Series Housing with All-Round® Spherical Bearing Insert



View A View B View C View D



Sample p/n QB3AE9-22-LK



Sample p/n QB3GE9-23-LK

DoubleLock® Sleeve		3-Bolt Extension Assembly														Polymer Bearing DoubleLock® Sleeve All-Round® Assembly		
F	K	U	A	B	E	*QuiKlean® adds .625" (5/8") standoff & LTB											Std Assembly	Wt lbs
						Polymer (KG)					Stainless (SS)							
						MA*	MB*	MC	MD	MA*	MB*	MC	MD					
in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in		
0.44 11.2	1.49 38	.53 13.5	1.04 26.4	.60 15.2	.75 19.1	--_3GA9-x-LK	.5	1.56 39.8	1.28 32.5	1.35 34.5	1.07 27.2	--_3AA9-x-LK	1.0	1.56 39.8	1.28 32.5	1.35 34.5	1.07 27.2	_BUAO-x _ZALUG6-x-LK _IUA9-x-LK
.50 12.7	1.63 41	.60 15.2	1.10 27.9	.60 15.2	.94 23.8	--_3GB9-x-LK	.7	1.69 43.0	1.53 38.9	1.45 36.9	1.29 32.8	--_3AB9-x-LK	1.6	1.69 43.0	1.53 38.9	1.45 36.9	1.29 32.8	_BUBO-x _ZALUB6-x-LK _IUB9-x-LK
						--_3GB-QK9-x-LK	.8											
.50 12.7	1.75 44	.64 16.3	1.16 29.5	.66 16.8	.94 23.8	--_3GC9-x-LK	1.0	1.79 45.6	1.57 39.9	1.51 38.5	1.29 32.8	--_3AC9-x-LK	2.1	1.79 45.6	1.57 39.9	1.49 38.0	1.27 32.3	_BUCO-x _ZALUC6-x-LK _IUC9-x-LK
						--_3GC-QK9-x-LK	1.1											
.50 12.7	2.0 50	.66 16.8	1.30 32.9	.80 20.2	.99 25.1	--_3GD9-x-LK	1.5	1.95 49.6	1.64 41.8	1.70 43.3	1.39 35.5	--_3AD9-x-LK	2.9	1.95 49.6	1.64 41.8	1.70 43.3	1.39 35.5	_BUDO-x _ZALUD6-x-LK _IUD9-x-LK
						--_3GD-QK9-x-LK	1.6											
.50 12.7	2.25 57	.80 20.3	1.47 37.3	.97 24.6	1 25.4	--_3GE9-x-LK	2.2	2.26 57.4	1.79 45.5	1.90 48.2	1.43 36.3	--_3AE9-x-LK	4.7	2.26 57.4	1.79 45.5	1.90 48.2	1.43 36.3	_BUEO-x _ZALUE6-x-LK _IUE9-x-LK
						--_3GE-QK9-x-LK	2.3											
.50 12.7	2.38 60	.80 20.3	1.51 38.3	1.01 25.6	1.09 27.8	--_3GF9-x-LK	3.1	2.27 57.7	1.86 47.2	1.97 50.2	1.56 39.7	--_3AF9-x-LK	5.7	2.27 57.7	1.86 47.2	1.97 50.2	1.56 39.7	_BUFO-x _ZALUF6-x-LK _IUF9-x-LK
						--_3GF-QK9-x-LK	3.3											
.63 15.9	2.75 70	.78 19.8	1.69 43	1.07 27.2	1.22 31.0	--	--	2.45 62.3	1.98 50.3	2.17 55.1	1.69 43.1	--_3AG9-x-LK	6.7	2.45 62.3	1.98 50.3	2.17 55.1	1.69 43.1	_BUGO-x _ZALUG6-x-LK _IUG9-x-LK
.63 15.9	3.0 76	.78 19.8	1.69 43	1.07 27.2	1.22 31.0	--_3GH9-x-LK	4.1	2.46 62.5	1.98 50.5	2.16 54.9	1.68 42.9	--_3AH9-x-LK	7.7	2.46 62.5	1.98 50.5	2.16 54.9	1.68 42.9	_BUHO-x _ZALUH6-x-LK _IUH9-x-LK
.63 15.9	3.25 83	.93 23.6	1.85 47	1.22 31.1	1.25 31.8	--_3GI9-x-LK	5.6	2.77 70.4	2.17 55.2	2.39 60.9	1.79 45.6	--_3AI9-x-LK	10.9	2.77 70.4	2.17 55.2	2.39 60.9	1.79 45.6	_BUIO-x _ZALUI6-x-LK _IUI9-x-LK
.63 15.9	3.4 86	1.1 27.9	2.06 52.4	1.44 36.5	1.28 32.5	--_3GJ9-x-LK	7.0	3.13 79.5	2.34 59.6	2.65 67.4	1.87 47.5	--_3AJ9-x-LK	12.0	3.13 79.5	2.34 59.6	2.65 67.4	1.87 47.5	_BUJO-x _ZALUJ6-x-LK _IUJ9-x-LK
.75 19.1	3.8 96	1.24 31.5	2.10 53.3	1.35 34.3	1.50 38.1	--	--	3.35 85.0	2.75 69.8	2.71 68.8	2.11 53.5	--_3AK9-x-LK	14.2	3.35 85.0	2.75 69.8	2.71 68.8	2.11 53.5	_BUKO-x _ZALUK6-x-LK _IUK9-x-LK
.75 19.1	4.13 105	1.38 35.0	2.04 51.8	1.29 32.7	1.56 39.7	--	--	3.42 86.9	2.94 74.8	2.63 66.8	2.15 54.7	--_3AL9-x-LK	15.1	3.42 86.9	2.94 74.8	2.63 66.8	2.15 54.7	_BULO-x _ZALUL6-x-LK _IUL9-x-LK



Round 3-Bolt Flange

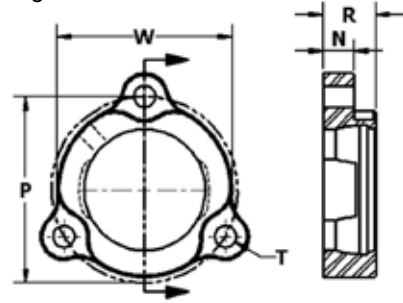
Polymer or Stainless "22" Series Round 3-Bolt Housing



Sample p/n 22AE



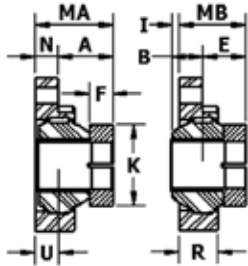
Sample p/n 22GE



x = Shaft Size			mm∅ Inch∅ Ring Group	Polymer (KG)		Stainless (SS)		P	W	G	R	T
				Housing p/n	N	Housing p/n	N					
mm	in	16ths		in mm	in mm	in mm	in mm	in mm	in mm	in mm	Bolt Size	
12	1/2	8	40	22GA	.38	22AA	.38	2.5	2.4	.43	.69	1/4
15	5/8	10	1.575	22GA-01	9.5	22AA-01	9.5	63.5	2.4	9.5	17.5	1/4
17	11/16	11	203					2.39				
12	1/2	8	47	22GB	.42	22AB	.42	2.81	2.5	.45	.78	5/16
15	9/16	9	1.850	22GB	12.7	22AB	12.7	71.4	2.5	9.5	19.8	5/16
17	11/16	11	204					2.81				
20	3/4	12	2.047	22GC	12.7	22AC	12.7	3	2.8	9.5	21.4	5/16
25	1	16	205					76.2				
30	1-1/16	17	62	22GD	.58	22AD	.58	3.56	3.4	.60	.98	3/8
	1-1/8	18	2.441	22GD	13.9	22AD	11.9	90.5	3.4	11.9	22.2	3/8
	1-3/16	19	206					3.56				
	1-1/4	20	72	22GE	14.3	22AE	16.7	3.94	3.7	12.7	23.8	3/8
35	1-3/16	19	2.835					100.0				
	1-1/4	20	207	22GE	14.3	22AE	16.7	100.0	3.7	12.7	23.8	3/8
	1-7/16	23	207									
40	1-7/16	23	80	--	--	22AF	.65	4.64	4.2	.70	1.12	1/2
	1-1/2	24	3.150	22AF	16.7	22AF	16.7	119.1	4.2	12.7	28.6	1/2
	1-9/16	25	208					4.64				
	1-5/8	26	85	22AG	16.7	22AG	16.7	4.75	4.5	12.7	1.12	1/2
45	1-1/2	24	3.346					120.7				
	1-5/8	26	209	22AG	16.7	22AG	16.7	120.7	4.5	12.7	1.12	1/2
	1-11/16	27	3.543									
	1-3/4	28	90	22AH	15.9	22AH	15.9	5	4.6	12.7	28.6	1/2
50	1-11/16	27	210					127.0				
	1-3/4	28	3.543	22AH	15.9	22AH	15.9	127.0	4.6	12.7	28.6	1/2
	1-13/16	29	210									
	1-7/8	30	90	22AH	15.9	22AH	15.9	127.0	4.6	12.7	28.6	1/2
	1-15/16	31	210									
	2	32	90	22AH	15.9	22AH	15.9	127.0	4.6	12.7	28.6	1/2
	2	32	210									

All-Round® Solution® Round 3-Bolt

"22" Series Housing with All-Round® Spherical Bearing Insert



View A

View B



Sample p/n QB22AB9-3/4



Sample p/n QB22GB9-3/4

DoubleLock® Sleeve		Round 3-Bolt Assembly										Polymer Bearing DoubleLock® Sleeve All-Round® Assembly		
F	K	U	A	B	E	Polymer (KG)				Stainless (SS)				
						Assembly	Wt lbs	MA in mm	MB in mm	Assembly	Wt lbs		MA in mm	MB in mm
in mm	in mm	in mm	in mm	in mm	in mm									
.44 11.2	1.49 38	.43 10.9	1.04 26.4	.60 15.2	.75 19.1	__22GA9-x-LK __22GA-019-x-LK	.5 .5	1.39 35.20	1.2 30.4	__22AA9-x-LK __22AA-019-x-LK	1 1	1.39 35.2	1.2 30.4	__BUAO-x ZALUA6-x-LK __IUA9-x-LK
.50 1.27	1.63 41	.43 10.9	1.10 27.9	.60 15.2	0.94 23.8	__22GB9-x-LK	.6	1.52 38.7	1.02 26.0	__22AB9-x-LK	1.5	1.52 38.7	1.02 26.0	__BUBO-x ZALUB6-x-LK __IUB9-x-LK
.50 1.27	1.75 44	.58 14.7	1.16 29.5	.66 16.8	0.94 23.8	__22GC9-x-LK	.8	1.67 42.5	1.17 29.8	__22AC9-x-LK	2	1.67 42.5	1.17 29.8	__BUCO-x ZALUC6-x-LK __IUC9-x-LK
.50 1.27	2 50	.60 15.2	1.30 32.9	.80 20.2	0.99 25.1	__22GD9-x-LK	1.3	1.87 47.6	1.37 34.9	__22AD9-x-LK	2.6	1.87 47.6	1.37 34.9	__BUDO-x ZALUD6-x-LK __IUD9-x-LK
.50 12.7	2.25 57	.68 17.3	1.47 37.3	.97 24.6	1.00 25.4	__22GE9-x-LK	1.9	2.15 54.6	1.65 41.9	__22AE9-x-LK	3.5	2.15 54.6	1.65 41.9	__BUEO-x ZALUE6-x-LK __IUE9-x-LK
.50 12.7	2.38 60		1.51 38.3	1.01 25.6	1.09 27.8	--	--	--	--	__22AF9-x-LK				__BUFO-x ZALUF6-x-LK __IUF9-x-LK
.63 15.9	2.75 70		1.69 43.0	1.07 27.2	1.22 31.0	--	--	--	--	__22AG9-x-LK				__BUGO-x ZALUG6-x-LK __IUG9-x-LK
.63 15.9	3.0 76	.72 18.3	1.69 43.0	1.07 27.2	1.22 31.0	--	--	--	--	__22AH9-x-LK	5.5	2.41 61.2	1.78 45.3	__BUHO-x ZALUH6-x-LK __IUH9-x-LK



Narrow Slot Take-Up Housing

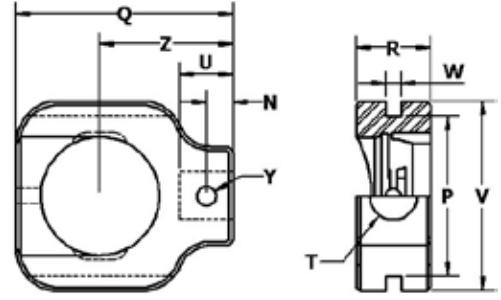
Polymer or Stainless "5" Series Narrow Slot Take-Up Housing



Sample p/n 5GE



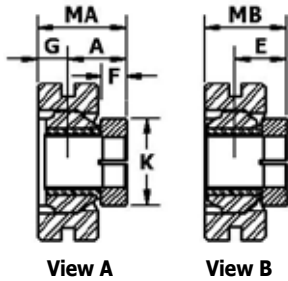
Sample p/n 5AE



x = Shaft Size			Polymer (KG)		Stainless (SS)		P	V	Z	Y Ø	N	W	R	U	T
			Housing p/n	Q	Housing p/n	Q									
mm	in	16ths	mmØ InchØ Ring Group	in mm	in mm	in mm	in mm	in mm	Roll Pin	in mm	in	in mm	in mm	Thread Size	
12	1/2	8	40	--	5AA	2.69	2	1.69	1/4 x 7/8	.31	1/4	.88	.63	1/2 - 13	
15	9/16	9	1.575	--		68.3	50.8	63.5		7.9		22.2	15.9		
17	5/8	10	203												
	11/16	11	A												
12	1/2	8	47	5GB	5AB	3.44	2.63	2.19	5/16 x 1 1/4	.44	1/4	1.25	.88	3/4 - 10	
15	9/16	9	1.850			87.3	66.7	79.4		11.1		31.8	22.2		
17	5/8	10	204												
17	11/16	11	B												
20	3/4	12													
	3/4	12	52	5GC	5AC	3.56	2.63	2.19	5/16 x 1 1/4	.44	1/47	1.25	.88	3/4 - 10	
	13/16	13	2.047			90.5	66.7	79.4		11.1		31.8	22.2		
	7/8	14	205												
	15/16	15	C												
25	1	16													
	1	16	62	5GD	5AD	4.31	3.50	2.69	5/16 x 1 1/4	.50	1/4	1.25	1	3/4 - 10	
	1-1/16	17	2.441			109.5	88.9	104.8		12.7		31.8	25.4		
	1-1/8	18	206												
	1-3/16	19	D												
30	1-1/4	20													
	1-3/16	19	72	5GE	5AE	4.50	3.50	2.69	5/16 x 1 1/4	.50	1/4	1.25	1	3/4 - 10	
	1-1/4	20	2.835			114.3	88.9	104.8		12.7		31.8	25.4		
	1-5/16	21	207												
	1-3/8	22	E												
35	1-7/16	23													
	1-7/16	23	80	5GF	5AF	5.38	4	4.75	3/8 x 1 1/2	.66	5/16	1.25	1.12	7/8 - 9	
	1-1/2	24	3.150			136.5	101.6	120.7		16.7		38.1	29.4		
	1-1/8	25	208												
	1-5/8	26	F												
40	1-1/2	24	85	5GG	5AG	5.38	4	4.75	3/8 x 1 1/2	.66	5/16	1.25	1.16	7/8 - 9	
	1-5/8	26	3.346			136.5	101.6	120.7		16.7		38.1	29.4		
	1-11/16	27	209												
	1-3/4	28	G												
	1-11/16	27	90	5GH	5AH	5.5	4	4.75	3/8 x 1 1/2	.66	5/16	1.25	1.16	7/8 - 9	
	1-3/4	28	3.543			139.7	101.6	120.7		16.7		38.1	29.4		
	1-13/16	29	210												
	1-7/8	30	H												
	1-15/16	31													
50	2	32													
	1-15/16	31	100	--	5AI	6.13	4.44	5.38	7/16 x 1 3/4	.69	5/16	1.75	1.28	1 - 8	
	2	32	3.937			155.6	112.7	136.5		17.5		44.5	32.5		
	2-1/16	33	211												
	2-1/8	34	I												
	2-3/16	35													
	2-1/4	36													
	2-3/16	35	110	--	5AJ	6.69	4.94	5.75	7/16 x 1 3/4	.69	5/16	1.75	1.28	1 - 8	
	2-1/4	36	4.331			169.9	125.4	146.1		17.5		44.5	32.5		
	2-5/16	37	212												
	2-3/8	38	J												
	2-7/16	39													
	2-7/16	39	125	5GK	5AK	7.38	5.50	6.38	1/2 x 1 7/8	.75	3/8	1.88	1.50	1 1/4 - 7	
	2-1/2	40	4.921			187.3	139.7	161.9		19.1		47.6	38.1		
	2-5/8	42	214												
	2-11/16	43	K												
70	2-3/4	44													
	2-11/16	43	130	5GL	5AL	7.69	5.88	6.75	1/2 x 1 7/8	.75	3/8	1.88	1.50	1 1/4 - 7	
	2-3/4	44	5.118			195.3	149.2	171.5		19.1		47.6	38.1		
	2-13/16	45	215												
	2-7/8	46	L												
	2-15/16	47													
75	3	48													

All-Round® Solution® Narrow Slot Take-Up

"5" Series Housing with All-Round® Spherical Bearing Insert



Sample p/n QB5AE9-23-LK

DoubleLock® Sleeve		Narrow Slot Take-Up Assembly										Polymer Bearing DoubleLock® Sleeve All-Round® Assembly		
F	K	B	A	E	G	Polymer (KG)				Stainless (SS)				
in mm	in mm	in mm	in mm	in mm	in mm	Assembly	Wt lbs	MA in mm	MB in mm	Assembly	Wt lbs		MA in mm	MB in mm
.44 11.2	1.35 34.3	.60 15.2	1.04 26.4	.75 19.1	.44 11.1	--	--	1.54 39.1	1.25 31.7	--_5AA9-x-LK	1.2	1.48 37.5	1.19 30.2	
.50 12.7	1.63 41	.60 15.2	1.10 27.9	.94 23.8	.63 15.9	--_5GB9-x-LK	.9	1.79 45.4	1.63 41.4	--_5AB9-x-LK	2.5	1.71 43.4	1.55 39.3	
.50 12.7	1.75 44	.66 16.8	1.16 29.5	.94 23.8	.63 15.9	--_5GC9-x-LK	1.0	1.85 46.9	1.63 41.4	--_5AC9-x-LK	2.7	1.77 44.9	1.55 39.3	
.50 12.7	2.0 50	.80 20.2	1.30 32.9	.99 25.1	.63 15.9	--_5GD9-x-LK	1.6	1.98 50.2	1.68 42.6	--_5AD9-x-LK	4.6	1.91 48.5	1.6 40.6	
.50 12.7	2.25 57	.97 24.6	1.47 37.3	1 25.4	.63 15.9	--_5GE9-x-LK	2.3	2.16 54.8	1.69 42.9	--_5AE9-x-LK	4.9	2.08 52.8	1.61 40.8	
.50 12.7	2.38 60	1.01 25.6	1.51 38.3	1.09 27.8	.63 15.9	--_5GF9-x-LK	3.5	2.32 58.9	1.91 48.5	--_5AF9-x-LK	8.1	2.24 56.8	1.83 46.4	
.63 15.9	2.75 70	1.07 27.2	1.69 43	1.22 31	.63 15.9	--_5GG9-x-LK	4.0	2.51 63.7	2.03 51.5	--_5AG9-x-LK	8.3	2.43 61.7	1.95 49.5	
.63 15.9	3.0 76	1.07 27.2	1.69 43	1.22 31	.63 15.9	--_5GH9-x-LK	4.3	2.51 63.7	2.03 51.5	--_5AH9-x-LK	8.5	2.43 61.7	1.95 49.5	
.63 15.9	3.25 83	1.22 31.1	1.85 47	1.25 31.8	.88 22.3	--	--	2.73 69.3	2.13 54.1	--_5AI9-x-LK	11.9	2.59 65.7	1.99 50.5	
.63 15.9	3.4 86	1.44 36.5	2.06 52.4	1.28 32.5	.88 22.3	--	--	2.94 74.6	2.16 54.8	--_5AJ9-x-LK	13.2	2.92 74.1	2.17 55.1	
.75 19.1	3.8 96	1.35 34.3	2.10 53.3	1.50 38.1	.94 23.8	--_5GK9-x-LK	8.9	3.1 78.7	2.5 63.5	--_5AK9-x-LK	15.6	2.96 75.1	2.36 59.9	
.75 19.1	4.13 105	1.29 32.7	2.04 51.8	1.56 39.7	.94 23.8	--_5GL9-x-LK	9.5	3.04 77.2	2.56 65.0	--_5AL9-x-LK	16.5	2.98 75.6	2.5 63.5	



Wide Slot Take-Up

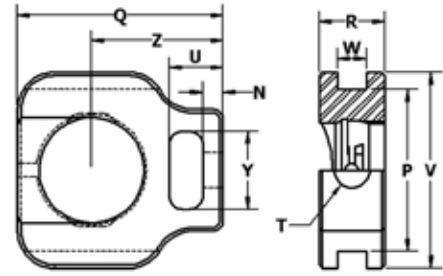
Polymer or Stainless "7" Series Wide Slot Take-Up Housing



Sample p/n 7GC



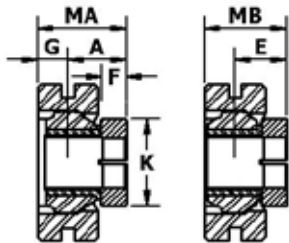
Sample p/n 7AE



x = Shaft Size			mm∅ Inch∅ Ring Group	Polymer (KG)		Stainless (SS)		P	V	Z	Y		N	W	U	R	T
				Housing p/n	Q in mm	Housing p/n	Q in mm				Nut Size	in mm					
12	1/2	8	1.575 203 A	--	--	7AG	3.13 79.5	2.5 63.5	3 76.2	2 50.8	1/2 - 13	1.25 31.8	.31 7.9	.41 10.3	.81 20.6	1 25.4	1/2 - 13
15	9/16	9		7GB	3.69 93.7	7AB	3.69 93.7	3 76.2	3.63 92.1	2.38 60.3	5/8 - 11	1.44 36.5	.44 11.1	.53 13.5	1.06 27.0	1.38 34.9	5/8 - 11
17	5/8	10		7GC	3.81 96.8	7AC	3.81 96.8	3 76.2	3.63 92.1	2.44 61.9	5/8 - 11	1.44 36.5	.44 11.1	.53 13.5	1.06 27.0	1.38 34.9	5/8 - 11
25	3/4	12	2.441 206 D	7GD	4.38 111.1	7AD	4.38 111.1	3.5 88.9	4.13 104.8	2.75 69.9	3/4 - 10	1.63 41.3	.38 9.5	.53 13.5	1.16 29.4	1.63 41.3	3/4 - 10
30	1-1/16	16		7GE	4.81 122.2	7AE	4.81 122.2	3.5 88.9	4.13 104.8	3 76.2	3/4 - 10	1.63 41.3	.38 9.5	.53 13.5	1.16 29.4	1.63 41.3	3/4 - 10
35	1-1/8	18		7GF	5.5 139.7	7AF	5.5 139.7	4 101.6	4.5 114.3	3.44 87.3	1 - 8	1.94 49.2	.56 14.3	.69 17.5	1.5 38.1	1.94 49.2	1 - 8
40	1-1/4	20	3.346 209 G	7GG	5.69 144.5	7AG	5.69 144.5	4 101.6	4.63 117.5	3.5 88.9	1 - 8	1.94 49.2	.56 14.3	.69 17.5	1.5 38.1	1.94 49.2	1 - 8
45	1-3/8	22		7GH	5.81 147.6	7AH	5.81 147.6	4 101.6	4.75 120.7	3.56 90.5	1 - 8	1.94 49.2	.56 14.3	.69 17.5	1.5 38.1	1.94 49.2	1 - 8
50	1-1/2	24		7GI	7.5 190.5	7AI	7.5 190.5	5.13 130.2	5.75 149.2	4.69 119.1	1 1/4 - 7	2.5 63.5	.72 18.3	1.06 27.0	1.97 50.0	2.5 63.5	1 1/4 - 7
55	1-5/8	26	4.331 212 J	7GJ	7.5 190.5	7AJ	7.5 190.5	5.13 130.2	5.88 149.2	4.69 119.1	1 1/4 - 7	2.5 63.5	.72 18.3	1.06 27.0	1.97 50.0	2.5 63.5	1 1/4 - 7
60	1-3/4	28		7AK	8.88 225.4	7AK	8.88 225.4	5.94 150.8	6.69 169.9	5.38 136.5	1 1/2 - 6	2.88 73.0	.81 20.6	1.06 27.0	2.31 58.7	2.75 69.9	1 1/2 - 6
70	1-7/8	30		7GL	9.13 231.8	7AL	9.13 231.8	5.94 150.8	6.69 169.9	5.5 139.7	1 1/2 - 6	2.88 73.0	.81 20.6	1.06 27.0	2.31 58.7	2.75 69.9	1 1/2 - 6
75	2-1/8	34	5.118 215 L	7GL	9.13 231.8	7AL	9.13 231.8	5.94 150.8	6.69 169.9	5.5 139.7	1 1/2 - 6	2.88 73.0	.81 20.6	1.06 27.0	2.31 58.7	2.75 69.9	1 1/2 - 6
75	2-1/4	36		7GL	9.13 231.8	7AL	9.13 231.8	5.94 150.8	6.69 169.9	5.5 139.7	1 1/2 - 6	2.88 73.0	.81 20.6	1.06 27.0	2.31 58.7	2.75 69.9	1 1/2 - 6
75	2-3/4	44		7GL	9.13 231.8	7AL	9.13 231.8	5.94 150.8	6.69 169.9	5.5 139.7	1 1/2 - 6	2.88 73.0	.81 20.6	1.06 27.0	2.31 58.7	2.75 69.9	1 1/2 - 6

All-Round® Solution® Wide Slot Take-Up

"7" Series Housing with All-Round® Spherical Bearing Insert



View A

View B



Sample p/n QB7AE9-23-LK



Sample p/n QB7GE9-20-LK

DoubleLock® Sleeve		Wide Slot Take-Up Assembly										Polymer Bearing			
F	K	B	A	E	G	Polymer (KG)				Stainless (SS)				DoubleLock® Sleeve	All-Round® Assembly
						Assembly p/n	Wt lbs	MA	MB	Assembly p/n	Wt lbs	MA	MB		
in mm	in mm	in mm	in mm	in mm	in mm			in mm	in mm			in mm	in mm		
.44 11.2	1.49 38	.60 15.2	1.04 26.4	.75 19.1	.5 12.2	--	--	1.6 40.6	1.31 33.2	-- _7AA9-x-LK	--	1.53 38.8	1.24 31.4	-- _BUAO-x ZALUA6-x-LK _IUA9-x-LK	
.50 12.7	1.63 41	.60 15.2	1.10 27.9	.94 23.8	.69 17.5	-- _7GB9-x-LK	1.0	1.79 45.4	1.63 41.4	-- _7AB9-x-LK	3.3	1.71 43.4	1.55 39.3	-- _BUBO-x ZALUB6-x-LK _IUB9-x-LK	
.50 12.7	1.75 44	.66 16.8	1.16 29.5	.94 23.8	.69 17.5	-- _7GC9-x-LK	1.2	1.85 46.9	1.63 41.4	-- _7AC9-x-LK	3.3	1.77 44.9	1.55 39.3	-- _BUCO-x ZALUC6-x-LK _IUC9-x-LK	
.50 12.7	2.0 50	.80 20.2	1.30 32.9	.99 25.1	.82 20.7	-- _7GD9-x-LK	1.9	2.11 53.5	1.8 45.7	-- _7AD9-x-LK	5.1	2.03 51.5	1.73 43.9	-- _BUDO-x ZALUD6-x-LK _IUD9-x-LK	
.50 12.7	2.25 57	.97 24.6	1.47 37.3	1 25.4	.82 20.7	-- _7GE9-x-LK	2.4	2.28 57.9	1.81 45.9	-- _7AE9-x-LK	5.8	2.21 56.1	1.74 44.1	-- _BUEO-x ZALUE6-x-LK _IUE9-x-LK	
.50 12.7	2.38 60	1.01 25.6	1.51 38.3	1.09 27.8	.97 24.6	-- _7GF9-x-LK	3.6	2.44 61.9	2.03 51.5	-- _7AF9-x-LK	8.8	2.44 61.9	2.03 51.5	-- _BUFO-x ZALUF6-x-LK _IUF9-x-LK	
.63 15.9	2.75 70	1.07 27.2	1.69 43	1.22 31	.97 24.6	-- _7GG9-x-LK	4.2	2.63 66.8	2.16 54.8	-- _7AG9-x-LK	9.4	2.63 66.8	2.16 54.8	-- _BUGO-x ZALUG6-x-LK _IUG9-x-LK	
.63 15.9	3.0 76	1.07 27.2	1.69 43	1.22 31	.97 24.6	-- _7GH9-x-LK	4.4	2.63 66.8	2.16 54.8	-- _7AH9-x-LK	10.0	2.63 66.8	2.16 54.8	-- _BUHO-x ZALUH6-x-LK _IUH9-x-LK	
.63 15.9	3.25 83	1.22 31.1	1.85 47	1.25 31.8	1.25 31.8	-- _7GI9-x-LK	7.1	3.1 78.7	2.5 63.5	-- _7AI9-x-LK	15.3	2.84 72.1	2.24 56.8	-- _BUJO-x ZALUJ6-x-LK _IUJ9-x-LK	
.63 15.9	3.4 86	1.44 36.5	2.06 52.4	1.28 32.5	1.25 31.8	-- _7GJ9-x-LK	7.6	3.31 84.0	2.53 64.2	-- _7AJ9-x-LK	18.2	3.05 77.4	2.27 57.6	-- _BUJO-x ZALUJ6-x-LK _IUJ9-x-LK	
.75 19.1	3.8 96	1.35 34.3	2.10 53.3	1.50 38.1	1.38 35	--	--	3.48 88.3	2.88 73.1	-- _7AK9-x-LK	21.1	3.09 78.4	2.49 63.2	-- _BUKO-x ZALUK6-x-LK _IUK9-x-LK	
.75 19.1	4.10 104.1	1.29 32.7	2.04 51.8	1.56 39.7	1.38 35	-- _7GL9-x-LK	10.9	3.41 86.6	2.94 74.6	-- _7AL9-x-LK	22.3	3.02 76.7	2.55 64.7	-- _BULO-x ZALUL6-x-LK _IUL9-x-LK	

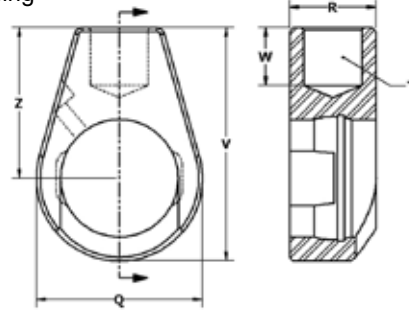


Hanger

Stainless "8" Series Hanger Housing



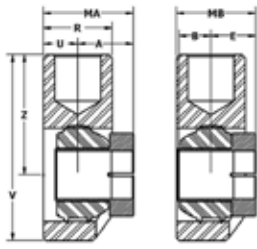
Sample p/n 8AE-01



x = Shaft Size			mm∅ Inch∅ Ring Group	SS Housing p/n	T Thread	Z in mm	V in mm	Q in mm	R in mm	W in mm
mm	in	16ths								
12	1/2	8	40	8AA	1/2 - 14 NPSM					
15	9/16	9	1.575	8AA-01	5/8 - 11 UNC	1.88	2.94	2.13	1.19	.63
17	5/8	10	203	8AA-03B	M12 x 1.75	47.6	74.6	54.0	30.2	15.9
	11/16	11	A	8AA-01A	5/8 - 18					
12	1/2	8	47	8AB	3/4 - 14 NPSM					
15	9/16	9	1.850	8AB-03	5/8 - 11 UNC	2.5	3.75	2.5	1.44	.75
17	5/8	10	204	8AB-03B	M16-2	63.5	95.2	63.5	36.5	19.1
	11/16	11	B							
	3/4	12								
25	13/16	13	52	8AC	3/4 - 14 NPSM	2.5	3.88	2.75	1.44	.75
	7/8	14	2.047			63.5	98.4	69.9	36.5	19.1
	15/16	15	205							
	1	16	C							
30	1	16	62	8AD	3/4 - 14 NPSM	2.5	4.06	3.13	1.44	.75
	1-1/16	17	2.441	8AD-02	5/8 - 11 UNC	63.5	103.2	79.4	36.5	19.1
	1-1/8	18	206	8AD-03	M16-2					
	1-3/16	19	D							
	1-1/4	20								
35	1-3/16	19	72	8AE	3/4 - 14 NPSM	2.75	4.56	3.63	1.44	.75
	1-1/4	20	2.835	8AE-01	1 - 8 UNC	69.9	115.9	92.1	36.5	19.1
	1-5/16	21	207	8AE-02	5/8 - 11 NPSM					
	1-3/8	22	E							
	1-7/16	23								
40	1-7/16	23	80	8AF	3/4 - 14 NPSM	2.88	4.75	3.75	1.44	.75
	1-1/2	24	3.150	8AF-01	3/4 - 10 NPSM	73.0	120.7	95.2	36.5	19.1
	1-9/16	25	208							
	1-5/8	26	F							
45	1-1/2	24	85	8AG	1 - 11 1/2 NPSM	3.25	5.38	4.25	1.88	.81
	1-5/8	26	3.346			82.6	136.5	108.0	47.6	20.6
	1-11/16	27	209							
	1-3/4	28	G							
50	1-11/16	27	90	8AH	1 - 11 1/4 NPSM	3.25	5.5	4.5	1.88	.81
	1-3/4	28	3.543	8AH-01	1 - 8 UNC	82.6	139.7	114.3	47.6	20.6
	1-13/16	29	210							
	1-7/8	30	210							
	1-15/16	31	H							
	2	32								
55	1-15/16	31	100	8AI	1 1/4 - 11 1/4 NPSM	3.44	5.94	5	2	1
	2	32	3.937	8AI-01	1 1/4 - 7 UNC	87.3	150.8	127.0	50.8	25.4
	2-1/16	33	211							
	2-1/8	34	I							
	2-3/16	35								
	2-1/4	36								
60	2-3/16	35	110	8AJ	1 1/4 - 11 1/2 NPSM	4	6.81	5.63	2	1.13
	2-1/4	36	4.331	8AJ-01	1 1/2 - 6 UNC	101.6	173.0	142.9	50.8	28.6
	2-5/16	37	212							
	2-3/8	38	J							
	2-7/16	39								
70	2-7/16	39	125	8AK	1 1/2 - 11 1/2 NPSM	4.63	7.88	6.5	2	1.25
	2-1/2	40	4.921			117.5	200.0	165.1	50.8	31.8
	2-5/8	42	214							
	2-11/16	43	K							
	2-3/4	44								
75	2-11/16	43	130	8AL	1 1/2 - 11 1/2 NPSM	4.63	7.88	6.5	2	1.25
	2-3/4	44	5.118			117.5	200.0	165.1	50.8	31.8
	2-13/16	45	215							
	2-7/8	46	L							
	2-15/16	47								
	3	48								
80	2-3/4	44	140	8AM	1 1/2 - 11 1/2 NPSM	4.88	8.31	6.88	2.22	1.25
	2-7/8	46	5.511			123.9	211.1	174.7	56.4	31.8
	2-15/16	47	216							
	3	48	M							
	3-1/8	50								
	3-3/16	51								

All-Round® Solution® Hanger

“8” Series Housing with All-Round® Spherical Bearing Insert



View A **View B**



Sample p/n QB8AC9-1-LK

DoubleLock® Sleeve		B	A	E	MA	MB	Hanger Assembly		Polymer Bearing
F	K						Stainless (SS)		DoubleLock® Sleeve
in mm	in mm						Assembly	Wt lbs	
0.44 11.2	1.49 38	.60 15.2	1.04 26.4	.75 19.1	1.63 41.5	1.34 34.1	___8AA9-x-LK ___8AA-019-x-LK ___8AA-03B9-x-LK ___8AA-01A9-x-LK	1.2	___BUAO-x ZALUA6-x-LK ___IUA9-x-LK
.50 12.7	1.63 41	.60 15.2	1.10 27.9	.94 23.8	1.81 46.2	1.65 42.0	___8AB9-x-LK ___8AB-039-x-LK ___8AB-03B9-x-LK	2.3	___BUBO-x ZALUB6-x-LK ___IUB9-x-LK
.50 12.7	1.75 44	.66 16.8	1.16 29.5	.94 23.8	1.88 47.8	1.65 42.0	___8AC9-x-LK	2.6	___BUCO-x ZALUC6-x-LK ___IUC9-x-LK
.50 12.7	2.0 50	.80 20.2	1.30 32.9	.99 25.1	2.01 51.2	1.70 43.4	___8AD9-x-LK ___8AD-029-x-LK ___8AD-039-x-LK	3.0	___BUDO-x ZALUD6-x-LK ___IUD9-x-LK
.50 12.7	2.25 57	.97 24.6	1.47 37.3	1 25.4	2.18 55.6	1.71 43.6	___8AE9-x-LK ___8AE-019-x-LK ___8AE-029-x-LK	4.2	___BUEO-x ZALUE6-x-LK ___IUE9-x-LK
.50 12.7	2.38 60	1.01 25.6	1.51 38.3	1.09 27.8	2.22 56.5	1.81 46.0	___8AF9-x-LK ___8AF-019-x-LK	4.7	___BUFO-x ZALUF6-x-LK ___IUF9-x-LK
.63 15.9	2.75 70	1.07 27.2	1.69 43	1.22 31	2.63 66.8	2.15 54.7	___8AG9-x-LK	7.2	___BUGO-x ZALUG6-x-LK ___IUG9-x-LK
.63 15.9	3.0 76	1.07 27.2	1.69 43	1.22 31	2.63 66.8	2.15 54.7	___8AH9-x-LK ___8AH-019-x-LK	7.7	___BUHO-x ZALUH6-x-LK ___IUH9-x-LK
.63 15.9	3.25 83	1.22 31.1	1.85 47	1.25 31.8	2.83 72.0	2.23 56.7	___8AI9-x-LK ___8AI-019-x-LK	10.1	___BUJO-x ZALUJ6-x-LK ___IUJ9-x-LK
.63 15.9	3.4 86	1.44 36.5	2.06 52.4	1.28 32.5	3.04 77.4	2.26 57.5	___8AJ9-x-LK ___8AJ-019-x-LK	11.4	___BUJO-x ZALUJ6-x-LK ___IUJ9-x-LK
.75 19.1	3.8 96	1.35 34.3	2.10 53.3	1.50 38.1	3.33 84.7	2.73 69.4	___8AK9-x-LK	14	___BUKO-x ZALUK6-x-LK ___IUK9-x-LK
.75 19.1	4.13 105	1.29 32.7	2.04 51.8	1.56 39.7	3.27 83.1	2.79 71.0	___8AL9-x-LK	14.5	___BULO-x ZALUL6-x-LK ___IUL9-x-LK
.75 19.1	4.1 104.1	1.51 38.4	2.26 57.4	1.59 40.4	3.37 85.5	2.7 68.5	___8AM9-x-LK	17.9	___BUMO-x ZALUM6-x-LK ___IUM9-x-LK

Successful All-Round® Applications

Cookie Dough Spreader Modular Plastic Belt

- Powdered ingredients, process moisture and washdown create a challenging location for bearings
- Plane bearings are a great option: no rolling elements and no contaminations from grease or rust
- HACCP friendly



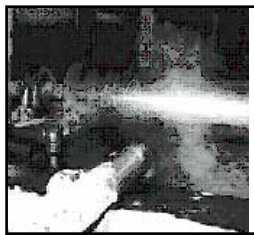
Malt House Germination Tank Mixer Augers

- All-Round® stainless insert helps dissipate heat to maximize polymer bearing longevity
- QF polymer withstands abrasion of grain and process moisture
- Eliminate grease and corrosion
- HACCP friendly
- Unaffected by washdown



Metal Processing Smelter and Hot Box Washer

- QF polymer is abrasion and caustic resistant
- Excellent load capacity
- Bearing operates up to 500°F/260°C without grease



Packing Line Timing Belt Conveyor (Sprocket Flat Belt)

- All-Round® offers excellent cost to performance!
- Faster dissipation of heat may be advantageous to performance - check with EDT for applications assistance
- HACCP friendly
- Unaffected by washdown



Consider plane bearings for any location where ball bearings don't perform as reliably as desired, especially in areas involving:

- Sanitary issues, HACCP programs
- Washdown or steam
- Exposure to processing liquids or chemicals
- Incomplete rotation or oscillating motion
- Locations difficult to regularly maintain
- High or low temperatures

Look first at Poly-Round® plane bearings (Catalog Section 1). Poly-Round® may offer extended life due to the thicker polymer profile.

However, in locations with the above considerations AND where there is a need to lower the functional PV, All-Round® plane bearings should be considered.

Examples:

- High load and high heat with low speed
- Sprocket driven flat belts
- High pH environments (specify 316-ss inserts) where acidity is notable



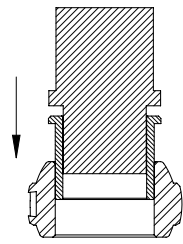
In these locations, ball bearings are recommended instead of plane bearings

- High tension applications (V-belt drives, flat belt conveyors, urethane belts)
- High speed devices (fans, pumps, table-top conveyors)
- Overhung loads (unsupported shaft mounted gear reducers)
- Trunnion applications

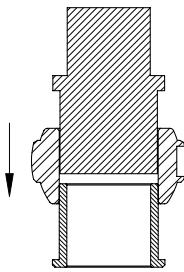
Contact EDT for design or application assistance.



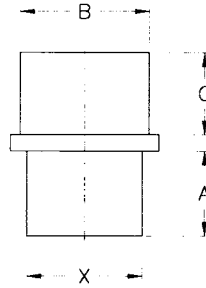
PLANE BEARING INSTALLATION ARBOR



Install Bearing



Remove Bearing



* Alphabetical shaft size indicates ID will accommodate locking sleeve. These are stocked arbors; other sizes available upon request.

STANDARD FLANGED BEARING		x= Shaft Diameter Range	A	B	C	Wt
Group	Ring		in mm	in mm	in mm	lbs
PATUAO-x	1/2 → 11/16	A*	3/4 19.1	63/64 25.0	13/16 20.6	.04
A (203)						
PATUBO-x	1/2 → 13/16	B*	13/16 20.6	1-1/8 28.6	15/16 23.8	.05
B (204)						
PATUCO-x	13/16 → 1	C*	29/32 23.0	1-19/64 32.9	1 25.4	.08
C (205)						
PATUDO-x	1 → 1-1/4	D*	1 25.4	1-35/64 39.3	1-3/16 30.2	.2
D (206)						
PATUEO-x	1-3/16 → 1-7/16	E*	1-1/8 28.6	1-47/64 44.1	1-23/64 34.5	.2
E (207)						
PATUFO-x	1-7/16 → 1-5/8	F*	1-5/16 33.3	1-29/32 48.4	1-1/2 38.1	.3
F (208)						
PATUGO-x	1-1/2 → 45mm	G*	1-9/32 32.5	2-3/64 52.0	1-35/64 39.3	.4
G (209)						
PATUHO-x	1-11/16 → 2	H*	1-3/8 34.9	2-19/64 58.3	1-35/64 39.3	.5
H (210)						
PATUIO-x	1-15/16 → 2-1/4	I*	1-35/64 39.3	2-35/64 64.7	1-3/4 44.5	.7
I (211)						
PATUJO-x	2-3/16 → 2-7/16	J*	1-29/32 48.4	2-47/64 69.4	2 50.8	.9
J (212)						
PATUKO-x	2-7/16 → 70mm	K*	1-29/32 48.4	3-3/64 77.4	2 50.8	1.0
K (214)						
PATULO-x	2-11/16 → 3	L*	2-1/16 52.5	3-1/4 82.5	2 50.8	1.2
L (215)						
PATUMO-x	2-3/4 → 3-3/16	M*	2-21/64 58.9	4 101.6	2-1/4 52.5	1.6
M (216)						

Engineering Notes



ALL-ROUND[®] STAINLESS STEEL BEARINGS



*All-Round[®]
Insert Bearings*



*All-Round[®]
ER Bearings*

Stainless/polymer plane bearings for use in high PV locations or areas where the application air temperature is lower than the bearing operating temperature, and where a Poly-Round[®] bearing is not best suited

All-Round[®] plane bearings

- Interchange with industry standard bearings
- All inch and metric sizes
- 316 ss locking sleeve for maximum toughness
- Stainless components are one time purchase. Under normal operating conditions only flanged polymer requires replacement
- Require no lubrication
- Sanitary
- Corrosion resistant
- Predictable replacement schedule



Advantages of All-Round[®] bearings over other style plane bearings

- Higher load capacity in radial and thrust applications
- Dissipates heat better than Poly-Round[®] bearings in applications where the air temperature is lower than the core of the bearing, and PV rating is critical



Ultimate Solution[®]



All-Round[®] Solution[®]

ALL-ROUND® BEARINGS

Solve Your Toughest Bearing and Shaft Problems

SPHERICAL SERIES



ER SERIES



INSERTS

All-Round® stainless steel inserts with replaceable polymer bearings are:

- Maintenance free
- Compatible with industry standard insert sizes
- Corrosion resistant
- Cost effective
- Sanitary
- Predictable for operation and wear
- Long-term investments
- Ideal where lubrication is difficult to maintain

Under normal operating conditions, this unit is a one-time purchase and does not require replacement with typical bearing usage.

POLYMER BEARINGS

All-Round® polymer bearings are thin-walled, flanged plane bearings for use with **All-Round®** stainless inserts.

They can also be used separately as bearing replacements in idler gears and sprockets and in other stand-alone applications.

A variety of bearing materials are available to suit different applications.

See Material Selection Chart, page D-3.

EDT's QB material can be used in 90% of All-Round® applications. QB polymer is:

- Versatile
- High performing
- Extreme temperature resistant
- Cost effective
- USDA meat and poultry accepted (incidental)
- USDA dairy accepted (incidental)
- Completely void of animal fats for Kosher certified processing

NOTE: In submerged locations, QF polymer is recommended.

LOCKING SLEEVES

Purposes:

- Repair damaged shafts
- Extend bearing life
- Eliminate shaft damage from plane bearing wear
- Control lateral shaft movement within the bearing

Features:

- 316 SS for maximum wear and corrosion resistance
- Optional hardened materials available for extreme abrasion applications
- Available in a range of standard lengths and custom sizes

DoubleLock® sleeves have twice the grip and staying power of setscrew locking sleeves.

Locking sleeves can be used with **all** EDT bearing products.

See Polymer Block Bearings Section H (GREEN) and Poly-Round® Bearings Section B (AMBER).

Applications not suitable for plane bearings (see Section K for substitution)

- High tension applications (V-belt drives, flat belt conveyors, urethane belts)
- High speed devices (fans, pumps, table-top conveyors)
- Overhung loads (shaft-mounted gear reducers)
- Trunnion applications

Use ball bearing instead of All-Round® or Poly-Round® bearing (see section F)

- In temperatures below 0°F / -18 C
- Repeat thermal cycles

Use Poly-Round® bearing instead of All-Round® (see section B)

Bearing capacity is measured by PV and will determine the amount of heat generated in a plane bearing. PV is the relationship of the load to the shaft speed in a bearing. Factors influencing PV limits (heat generation) include:

- Material selection
- Journal surface finish
- Bearing wall thickness
- Running clearance
- Proximity to moisture
- Ambient temperature
- Cycle time

HOW TO CALCULATE PV

PV - $P \times V$

P - pressure in PSI (lbs/sq in)

V - velocity in SFM (surface ft/min)

P - F/A

where F = force (load) on bearing

A = shaft dia (in) x LTB

(LTB = bearing length through the bore)

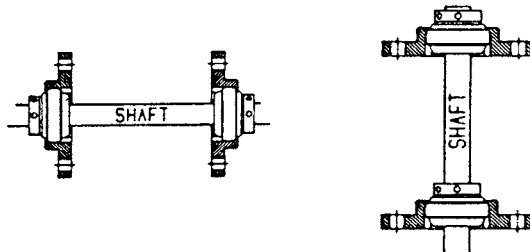
V - $.262 \times D \times \text{RPM}$

where D = shaft diameter (in)

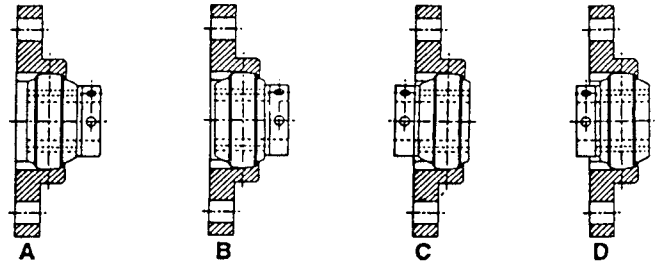
RPM = shaft revolutions/min

ALL-ROUND® BEARINGS OFFER INSTALLATION VERSATILITY

All-Round® bearings can be mounted horizontally or vertically.



They can also be assembled in different ways to adjust the total length-thru-bore (LTB) of a mounted set.



In any configuration, the locking sleeve collar must run against the flange of the polymer bearing to prevent metal-to-metal contact and heat buildup. *Full mounting and installation instructions for all EDT bearings are located in the User Handbook, Section O (PURPLE).*

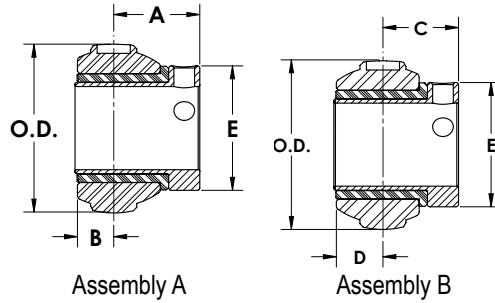
Material Section Chart

	Poly-Round® Bearing Materials	PV Limit*	Maximum Speed V (SFM)	Maximum Loading P (PSI)	Continuous Operating Temp.	Performance in Moisture		ΔT Dimensional Stability with Temp Change	Chemical Resistance	Abrasion Resistance	Impact Resistance	USDA/FDA Contact Approval
						Washdown	Submerged					
Bearings	PA UHMW white	1,000	50	800	150°F	Excellent	Excellent	Poor	Excellent	Abrasion applications are very non-predictable. Each application must be tested for abrasion resistance.	Excellent	Direct
	NA gray	6,000	350	2,000	200°F	Excellent	Good	Fair	Good		Excellent	Incidental
	QB black-green	50,000	400	3,000	500°F	Excellent	Poor	Excellent	Fair		Fair	Incidental
	QF black	60,000	400	6,000	450°F	Excellent	Excellent	Excellent	Excellent		Fair	Incidental
	MY black	20,000	100		800°F	Fair	Fair	Excellent	Fair		Good	No

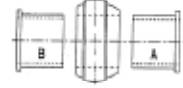
* PV limits are shown for unlubricated radial bearing applications. Low temperature or submerged installation may permit PV limits up to 2x higher.

ALL-ROUND® SPHERICAL BEARING ASSEMBLY

Stainless / Polymer Insert Bearings – Setscrew Locking Sleeve



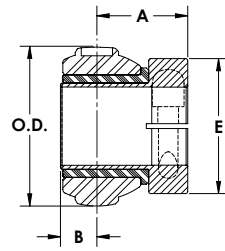
Units are shipped from the factory as shown in "Assembly A" configuration. You can specify "Assembly B" assembly to reduce the length thru bore.



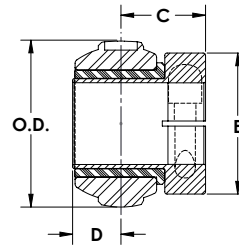
PART #	x= Shaft Diameter		OD	A	B	C	D	E	P	L	Wt	
	Group	Ring										mm
QBUIA9-x												
A	(203)											
1.575	40	12	1/2	1.575	63/64	3/8	25/32	9/16	1-1/8	QBBUAO-A	ZALUA6-x	.4
		15	9/16	40	25.0	9.5	19.8	14.3	28.6			
		17	5/8									
		40	11/16									
QBUIB9-x												
B	(204)											
1.850	47	12	1/2	1.850	63/64	1/2	59/64	9/16	1-1/4	QBUBO-B	ZALUB6-x	.5
		15	9/16	47	25.0	12.7	23.4	14.3	31.8			
		17	11/16									
		20	3/4									
		47	13/16									
QBUIC9-x												
C	(205)											
2.047	52	25	3/4	2.047	1-3/64	1/2	59/64	5/8	1-1/2	QBUCO-C	ZALUC6-x	.7
			13/16	52	26.6	12.7	23.4	15.9	38.1			
			7/8									
			15/16									
			1									
QBUID9-x												
D	(206)											
2.441	62	30	1	2.441	1-19/64	35/64	1-5/64	3/4	1-3/4	QBUDO-D	ZALUD6-x	1.1
			1-1/16	62	32.9	13.9	27.4	19.1	44.5			
			1-1/8									
			1-3/16									
			1-1/4									
QBUIE9-x												
E	(207)											
2.835	72	35	1-3/16	2.835	1-31/64	9/16	1-7/64	15/16	2	QBUEO-E	ZALUE6-x	1.7
			1-1/4	72	37.7	14.3	28.2	23.8	50.8			
			1-5/16									
			1-3/8									
			1-7/16									
QBUIF9-x												
F	(208)											
3.150	80	40	1-7/16	3.150	1-37/64	21/32	1-17/64	31/32	2-1/4	QBUFFO-F	ZALUF6-x	2.5
			1-1/2	80	40.1	16.7	32.1	24.6	57.2			
			1-9/16									
			1-5/8									
QBUIG9-x												
G	(209)											
3.346	85	45	1-1/2	3.346	1-41/64	21/32	1-17/64	1-1/32	2-1/2	QBBUGO-G	ZALUG6-x	3.0
			1-5/8	85	41.7	16.7	32.1	26.2	63.5			
			1-11/16									
			1-3/4									
QBUIH9-x												
H	(210)											
3.543	90	50	1-11/16	3.543	1-41/64	21/32	1-17/64	1-1/32	2-11/16	QBHUO-H	ZALUH6-x	3.3
			1-3/4	90	41.7	16.7	32.1	26.2	68.3			
			1-13/16									
			1-7/8									
			1-15/16									
			2									
QBUII9-x												
I	(211)											
3.937	100	55	1-15/16	3.937	1-51/64	11/16	1-19/64	1-3/16	2-7/8	QBUIO-I	ZALUI6-x	4.5
			2	100	45.6	17.5	32.9	30.2	73.0			
			2-1/16									
			2-1/8									
			2-3/16									
			2-1/4									
QFIUJ9-x												
J	(212)											
4.331	110	60	2-3/16	4.331	2-1/64	23/32	1-21/64	1-13/32	3	QFBUJO-J	ZALUJ6-x	5.2
			2-1/4	110	51.2	18.3	33.7	35.7	76.2			
			2-5/16									
			2-3/8									
			2-7/16									
QFIUK9-x												
K	(214)											
4.921	125	70	2-7/16	4.921	2-7/64	13/16	1-39/64	1-5/16	4	QFBUKO-K	ZALUK6-x	7.1
			2-1/2	125	53.6	20.6	40.9	33.3	101.6			
			2-5/8									
			2-11/16									
			2-3/4									
QFIUL9-x												
L	(215)											
5.118	130	75	2-11/16	5.118	2-3/64	7/8	1-43/64	1-1/4	4	QFBULO-L	ZALUL6-x	7.3
			2-3/4	130	52.0	22.2	42.5	31.8	101.6			
			2-13/16									
			2-7/8									
			2-15/16									
			3									
QFIUM9-x												
M	(216)											
5.511	140	80	2-15/16	5.511	2-17/64	29/32	1-11/16	1-15/32	4-1/2	QFBUO-M	ZALUM6-x	10.1
			3	140	57.4	22.9	42.9	37.3	114.3			
			3-1/8									
			3-3/16									

ALL-ROUND® SPHERICAL BEARING ASSEMBLY

Stainless / Polymer Insert Bearings – DoubleLock® Sleeve



Assembly A



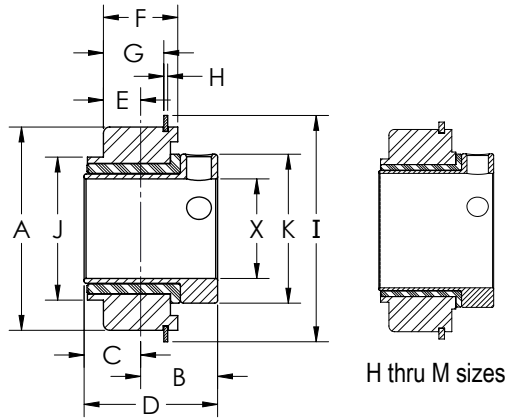
Assembly B



PART #	x= Shaft Diameter		OD	A	B	C	D	E	Clamping screws 2 each SHCS	P	N	Wt
	Group	Ring										
QBIUA9-x-LK												
A	(203)		1.575	1.14	3/8	.94	9/16	1.49	10-32	QBBUAO-A	ZALUA6-x-LK	.4
1.575	40	12 15 17	40	28.7	9.5	23.9	14.3	38				
QBIUB9-x-LK												
B	(204)		1.850	1.11	1/2	1.04	9/16	1.63	1/4-28	QBBUBO-B	ZALUB6-x-LK	.5
1.850	47	12 15 17 20	47	28.2	12.7	26.5	14.3	40				
QBIUC9-x-LK												
C	(205)		2.047	1.17	1/2	1.05	5/8	1.75	1/4-28	QBBUCO-C	ZALUC6-x-LK	.7
2.047	52	25	52	29.9	12.7	26.7	15.9	43				
QBIUD9-x-LK												
D	(206)		2.441	1.32	35/64	1.10	3/4	2.0	1/4-28	QBBUDO-D	ZALUD6-x-LK	1.1
2.441	62	30	62	33.5	13.9	27.9	19.1	49				
QBIUE9-x-LK												
E	(207)		2.835	1.48	9/16	1.11	15/16	2.25	1/4-28	QBBUEO-E	ZALUE6-x-LK	1.7
2.835	72	35	72	37.7	14.3	28.2	23.8	55				
QBIUF9-x-LK												
F	(208)		3.150	1.63	21/32	1.32	31/32	2.38	1/4-28	QBBUFO-F	ZALUF6-x-LK	2.5
3.150	80	40	80	41.6	16.7	33.5	24.6	58				
QBIUG9-x-LK												
G	(209)		3.346	1.7	21/32	1.32	1-1/32	2.75	5/16-24	QBBUGO-G	ZALUG6-x-LK	3.0
3.346	85	45	85	43.2	16.7	33.5	26.2	67				
QBIUH9-x-LK												
H	(210)		3.543	1.7	21/32	1.32	1-1/32	3.0	5/16-24	QBBUHO-H	ZALUH6-x-LK	3.3
3.543	90	50	90	43.2	16.7	33.5	26.2	74				
QBIUI9-x-LK												
I	(211)		3.937	1.85	11/16	1.35	1-3/16	3.25	5/16-24	QBBUIO-I	ZALUI6-x-LK	4.5
3.937	100	55	100	48.2	17.5	34.4	30.2	80				
QFIUJ9-x-LK												
J	(212)		4.331	2.07	23/32	1.39	1-13/32	3.4	5/16-24	QFBUJO-J	ZALUJ6-x-LK	5.2
4.331	110	60	110	52.7	18.3	35.2	35.7	83				
QFIUK9-x-LK												
K	(214)		4.921	2.1	13/16	1.61	1-5/16	3.8	3/8-24	QFBUKO-K	ZALUK6-x-LK	7.1
4.921	125	70	125	54.6	20.6	40.9	33.3	93				
QFIUL9-x-LK												
L	(215)		5.118	2.04	7/8	1.25	1-1/4	4.13	3/8-24	QFBULO-L	ZALUL6-x-LK	7.3
5.118	130	75	130	52.0	22.2	31.8	31.8	101				
QFIUM9-x-LK												
M	(216)		5.511	2.26	29/32	1.68	1-15/32	4.7	3/8-24	QFBUMO-M	ZALUM6-x-LK	10.1
5.511	140	80	140	57.4	22.9	42.9	37.3	120				

ALL-ROUND® ER BEARING ASSEMBLY

Stainless / Polymer Type ER Bearings – Setscrew Locking Sleeve



All sizes include non-corrosive snap ring.
 204 & 205 stainless steel; other sizes nickel-plated.
 Interchanges with industry-standard ER bearings.
 All components are available separately.
 See following pages this section.

B thru G sizes

H thru M sizes

-X = Setscrew locking sleeve; -x-LK = DoubleLock® locking sleeve

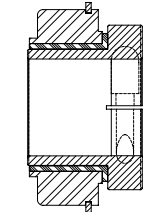
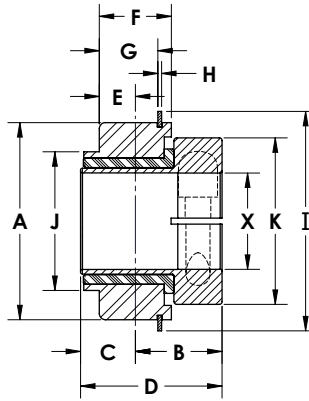
"QB" indicates one bearing material; other materials available (see page D-3).

ER Equivalent Interchange	PART #		x= Shaft Diameter	A	B	C	D	E	F	G	H	I	J	K	P	M	Wt
	Group in	Ring —OD— mm		in	in	in	in	in	in	in	in	in	in	in	in	Replacement Polymer Flanged Bearing Part #	Locking Sleeve Part #
ER-8 ER-9 ER-10 ER-11 ER-12 ER-204	QBEB9-x	B 204	1/2 9/16 5/8 11/16 3/4 20 mm	1.85 47	.72 18.3	.5 12.7	1.22 31.0	.32 8.0	.63 16.0	.49 12.5	.04 1.1	2.08 52.7	1.25 31.8	1.25 31.8	QBCUBO-B	ZAMUB6-x	.4
ER-13 ER-14 ER-15 ER-16 ER-205	QBEC9-x	C 205	3/4 13/16 7/8 15/16 1 25 mm	2.047 52	.77 19.7	.56 14.3	1.33 33.7	.37 9.5	.75 18.0	.61 15.5	.04 1.1	2.28 57.9	1.4 36.5	1.5 38.1	QBCUCO-C	ZAMUC6-x	.6
ER-17 ER-18 ER-19 ER-20S ER-206	QBED9-x	D 206	1-1/16 1-1/8 1-3/16 1-1/4 30 mm	2.44 62	.88 22.2	.63 15.9	1.50 38.1	.43 11.0	.88 22.2	.68 17.3	.07 1.7	2.67 67.7	1.69 41.3	1.75 44.5	QBCUDO-D	ZAMUD6-x	1.0
ER-20 ER-21 ER-22 ER-23 ER-207	QBEE9-x	E 207	1-1/4 1-5/16 1-3/8 1-7/16 35 mm	2.835 72	1 25.4	.69 17.5	1.69 42.9	.47 12.0	.95 24.0	.75 19.1	.07 1.7	3.09 78.8	1.94 49.2	2 50.8	QBCUEO-E	ZAMUE6-x	1.8
ER-24 ER-25 ER-208	QBEF9-x	F 208	1-1/2 1-9/16 40 mm	3.15 80	1.12 30.2	.75 19.1	1.94 49.2	.55 14.0	1.10 28.0	.91 23.0	.07 1.7	3.41 86.6	2.13 54.0	2.25 57.2	QBCUFO-F	ZAMUF6-x	2.3
ER-26 ER-27 ER-28 ER-209	QBEG9-x	G 209	1-5/8 1-11/16 1-3/4 45 mm	3.35 85	1.12 30.2	.75 19.1	1.94 49.2	.55 14.0	1.10 28.0	.91 23.1	.07 1.7	3.61 91.6	2.27 57.5	2.50 63.5	QBCUGO-G	ZAMUG6-x	2.5
ER-30 ER-31 ER-210	QBEH9-x	H 210	1-7/8 1-15/16 50 mm	3.54 90	1.28 32.6	.75 19.1	2.03 51.6	.55 14.0	1.10 28.0	.88 22.3	.10 2.5	3.80 96.5	2.50 63.5	2.69 68.3	QBCUHO-H	ZAMUH6-x	2.5
ER-32 ER-34 ER-35 ER-211	QBUI9-x	I 211	2 2-1/8 2-3/16 55 mm	3.97 100	1.31 33.4	.88 22.2	2.19 55.5	.59 15.0	1.18 30.0	.96 24.3	.01 2.5	4.19 106.5	2.88 73.0	2.88 73.0	QBCUIO-I	ZAMUI6-x	3.5
ER-36 ER-38 ER-39 ER-212	QFEUJ9-x	J 212	2-1/4 2-3/8 2-7/16 60 mm	4.33 110	1.56 39.7	1 25.4	2.56 65.1	.63 16.0	1.26 32.0	1.04 26.4	.10 2.5	4.59 116.6	3 76.2	3 76.2	QFCUJO-J	ZAMUJ6-x	4.8
ER-40 ER-43 ER-214	QFEUK9-x	K 214	2-1/2 2-11/16 70 mm	4.92 125	1.63 41.3	1.13 28.6	2.75 69.9	.69 17.5	1.38 34.9	1.14 28.9	.11 2.8	5.30 134.7	3.34 85.7	4 101.6	QFCUKO-K	ZAMUK6-x	7.3
ER-46 ER-47 ER-215	QFEUL9-x	L 215	2-7/8 2-15/16 75 mm	5.12 130	1.75 44.5	1.17 29.8	2.92 74.2	.75 19.1	1.50 38.1	1.26 32.1	.11 2.8	5.50 139.7	3.75 95.2	4 101.6	QFCULO-L	ZAMUL6-x	7.3

ALL-ROUND® ER BEARING ASSEMBLY

Stainless / Polymer Type ER Bearings – DoubleLock® Sleeve

All sizes include non-corrosive snap ring.
 204 & 205 stainless steel; other sizes nickel-plated.
 Interchanges with industry-standard ER bearings.
 All components are available separately.
 See following pages this section.



H thru M sizes



B thru G sizes

-X = Setscrew locking sleeve; -x-LK = DoubleLock® locking sleeve

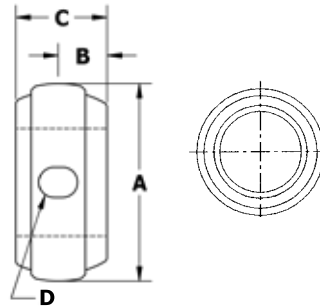
"QB" indicates one bearing material; other materials available (see page D-3).

ER Equivalent Interchange	PART # Group Ring in —OD— mm	x= Shaft Diameter	A	B	C	D	E	F	G	H	I	J	K	Replacement Polymer Flanged Bearing Part #	DoubleLock® Part #	Wt lbs
			in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm			
ER-8 ER-9 ER-10 ER-11 ER-12 ER-204	QBEUB9-x-LK B 204	1/2 9/16 5/8 11/16 3/4 20 mm	1.85 47	.88 22.3	.5 12.7	1.38 35.0	.32 8.0	.63 16.0	.49 12.5	.04 1.1	2.08 52.7	1.25 31.8	1.63 40	QBCUBO-B	ZAMUB6-x-LK	.45
ER-13 ER-14 ER-15 ER-16 ER-205	QBEUC9-x-LK C 205	3/4 13/16 7/8 15/16 1 25 mm	2.047 52	.9 22.8	.56 14.3	1.46 37.0	.37 9.5	.75 18.0	.61 15.5	.04 1.1	2.28 57.9	1.4 36.5	1.75 43	QBCUCO-C	ZAMUC6-x-LK	.61
ER-17 ER-18 ER-19 ER-20S ER-206	QBEUD9-x-LK D 206	1-1/16 1-1/8 1-3/16 1-1/4 30 mm	2.44 62	.9 22.8	.63 15.9	1.52 38.1	.43 11.0	.88 22.2	.68 17.3	.07 1.7	2.67 67.7	1.69 41.3	2.0 49	QBCUDO-D	ZAMUD6-x-LK	.97
ER-20 ER-21 ER-22 ER-23 ER-207	QBEUE9-x-LK E 207	1-1/4 1-5/16 1-3/8 1-7/16 35 mm	2.835 72	1.0 25.4	.69 17.5	1.69 42.9	.47 12.0	.95 24.0	.75 19.1	.07 1.7	3.09 78.8	1.94 49.2	2.25 55	QBCUEO-E	ZAMUE6-x-LK	1.8
ER-24 ER-25 ER-208	QBEUF9-x-LK F 208	1-1/2 1-9/16 40 mm	3.15 80	1.18 29.9	.75 19.1	1.16 29.4	.55 14.0	1.10 28.0	.91 23.0	.07 1.7	3.41 86.6	2.13 54.0	2.38 58	QBCUFO-F	ZAMUF6-x-LK	2.3
ER-26 ER-27 ER-28 ER-209	QBEUG9-x-LK G 209	1-5/8 1-11/16 1-3/4 45 mm	3.35 85	1.18 29.9	.75 19.1	1.16 29.4	.55 14.0	1.10 28.0	.91 23.1	.07 1.7	3.61 91.6	2.27 57.5	2.75 67	QBCUGO-G	ZAMUG6-x-LK	2.5
ER-30 ER-31 ER-210	QBEUH9-x-LK H 210	1-7/8 1-15/16 50 mm	3.54 90	1.34 34.0	.75 19.1	2.09 53.0	.55 14.0	1.10 28.0	.88 22.3	.10 2.5	3.80 96.5	2.50 63.5	3.0 74	QBCUHO-H	ZAMUH6-x-LK	2.7
ER-32 ER-34 ER-35 ER-211	QBEUI9-x-LK I 211	2 2-1/8 2-3/16 55 mm	3.97 100	1.37 34.8	.88 22.2	2.25 57.1	.59 15.0	1.18 30.0	.96 24.3	.01 2.5	4.19 106.5	2.88 73.0	3.25 80	QBCUIO-I	ZAMUI6-x-LK	3.8
ER-36 ER-38 ER-39 ER-212	QFEUJ9-x-LK J 212	2-1/4 2-3/8 2-7/16 60 mm	4.33 110	1.62 41.1	1 25.4	2.62 66.5	.63 16.0	1.26 32.0	1.04 26.4	.10 2.5	4.59 116.6	3 76.2	3.4 83	QFCUJO-J	ZAMUJ6-x-LK	5.0
ER-40 ER-43 ER-214	QFEUK9-x-LK K 214	2-1/2 2-11/16 70 mm	4.92 125	1.63 41.3	1.13 28.6	2.75 69.9	.69 17.5	1.38 34.9	1.14 28.9	.11 2.8	5.30 134.7	3.34 85.7	3.8 93	QFCUKO-K	ZAMUK6-x-LK	6.9
ER-46 ER-47 ER-215	QFEUL9-x-LK L 215	2-7/8 2-15/16 75 mm	5.12 130	1.75 44.5	1.17 29.8	2.92 74.2	.75 19.1	1.50 38.1	1.26 32.1	.11 2.8	5.50 139.7	3.75 95.2	4.13 101	QFCULO-L	ZAMUL6-x-LK	7.3

ALL-ROUND® SPHERICAL INSERTS



304 stainless steel (316 ss or other materials optional)



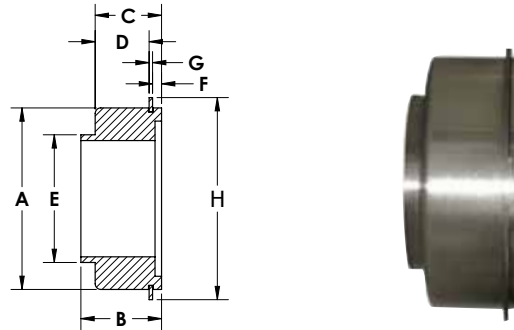
PART #	Insert accommodates the following shaft sizes		A	B	C	D	Wt
	Group	Ring	OD				
	in	—OD— mm	in	in	in	in	lbs
		mm	mm	mm	mm	mm	
ZAIUAO							
A	203		1/2	1.575	1/2	13/16	.2
	1.575	40	9/16	40	12.7	20.6	
		17	5/8			5/16	
			11/16			7.9	
ZAIUBO							
B	204		1/2	1.850	1/2	15/16	.3
	1.850	47	9/16	47	12.7	23.8	
		20	5/8			7/16	
			11/16			11.1	
			3/4				
			13/16				
ZAIUCO							
C	205		3/4	2.047	9/16	1	.4
	2.047	52	13/16	52	14.3	25.4	
		25	7/8			7/16	
			15/16			11.1	
			1				
ZAIUDO							
D	206		1	2.441	45/64	1-3/16	.7
	2.441	62	1-1/16	62	17.9	30.2	
		30	1-1/8			31/64	
			1-3/16			12.3	
			1-1/4				
ZAIUEO							
E	207		1-3/16	2.835	7/8	1-3/8	1.0
	2.835	72	1-1/4	72	22.2	34.9	
		35	1-5/16			1/5	
			1-3/8			12.7	
			1-7/16				
ZAIUFO							
F	208		1-7/16	3.150	29/32	1-1/2	1.6
	3.150	80	1-1/2	80	22.9	38.1	
		40	1-9/16			19/32	
			1-5/8			15.2	
ZAIUGO							
G	209		1-1/2	3.346	31/32	1-9/16	2.0
	3.346	85	1-5/8	85	24.6	39.7	
		45	1-11/16			19/32	
			1-3/4			15.2	
ZAIUHO							
H	210		1-11/16	3.543	31/32	1-9/16	2.1
	3.543	90	1-3/4	90	24.6	39.7	
		50	1-13/16			19/32	
			1-7/8			15.2	
			1-15/16				
			2				
ZAIUIO							
I	211		1-15/16	3.937	1-1/8	1-3/4	2.8
	3.937	100	2	100	28.6	44.5	
		55	2-1/16			5/8	
			2-1/8			15.9	
			2-3/16				
			2-1/4				
ZAIUJO							
J	212		2-3/16	4.331	1-11/32	2	3.9
	4.331	110	2-1/4	110	34.1	50.8	
		60	2-5/16			21/32	
			2-3/8			16.7	
			2-7/16				
ZAIUKO							
K	214		2-7/16	4.921	1-1/4	2	5.4
	4.921	125	2-1/2	125	31.8	50.8	
		70	2-5/8			3/4	
			2-11/16			19.0	
			2-3/4				
ZAIULO							
L	215		2-11/16	5.118	1-3/16	2	5.5
	5.118	130	2-3/4	130	30.2	50.8	
		75	2-13/16			13/16	
			2-7/8			20.6	
			2-15/16				
			3				
ZAIUMO							
M	216		2-15/16	5.511	1-13/32	2-1/4	7.2
	5.511	140	3	140	35.7	57.2	
		80	3-1/8			53/64	
			3-3/16			21.5	

ALL-ROUND® spherical insert requires ALL-ROUND® flanged polymer bearing for operation. See pages D-2 and D-3.



ALL-ROUND® CYLINDRICAL INSERTS FOR ER SERIES

304 stainless steel (316 ss or other materials optional)



ALL-ROUND® spherical insert requires ALL-ROUND® flanged polymer bearing for operation. See pages D-2 and D-3.

PART # Group	Ring	Insert accommodates the following shaft sizes		v in mm	B in mm	C in mm	D in mm	E in mm	F in mm	G in mm	H in mm	Wt lbs
		mm	in									
ZAEUBO			1/2 9/16 5/8 11/16 3/4 13/16	1.850 47	1/2 12.7	15/16 23.8	.492 12.5	1-1/4 31.8	.09 2.4	.044 1.1	2.075 52.7	.3
ZAEUCO			3/4 13/16 7/8 15/16 1	2.047 52	9/16 14.3	1 25.4	.610 15.5	1-7/16 36.5	.09 2.4	.044 1.1	2.280 57.0	.40
ZAEUDO			1 1-1/16 1-1/8 1-3/16 1-1/4	2.441 62	45/64 17.9	1-3/16 30.2	.683 17.3	1-11/16 41.3	.13 3.2	.067 1.7	2.665 67.7	.7
ZAEUEO			1-3/16 1-1/4 1-5/16 1-3/8 1-7/16	2.835 72	7/8 22.2	1-3/8 34.9	.753 19.1	1-61/64 49.5	.13 3.2	.067 1.7	3.094 78.6	1.0
ZAEUFO			1-7/16 1-1/2 1-9/16 1-5/8	3.150 80	29/32 22.9	1-1/2 38.1	.910 23.1	2-1/8 54.0	.13 3.2	.067 1.7	3.409 86.6	1.5
ZAEUGO			1-1/2 1-5/8 1-11/16 1-3/4	3.346 85	31/32 24.6	1-9/16 39.7	.910 23.1	2-17/64 57.4	.13 3.2	.067 1.7	3.606 91.6	1.7
ZAEUHO			1-11/16 1-3/4 1-13/16 1-7/8 1-15/16 2	3.543 90	31/32 24.6	1-9/16 39.7	.880 22.4	2-1/2 63.5	.13 3.2	.097 2.5	3.799 96.5	1.8
ZAEUIO			1-15/16 2 2-1/16 2-1/8 2-3/16 2-1/4	3.937 100	1-1/8 28.6	1-3/4 44.5	.959 24.4	2-7/8 73.0	.13 3.2	.097 2.5	4.193 106.5	2.7
ZAEUJO			2-3/16 2-1/4 2-5/16 2-3/8 2-7/16	4.331 110	1-11/32 34.1	2 50.8	1.038 26.4	3 76.2	.13 3.2	.097 2.5	4.591 116.6	3.9
ZAEUKO			2-7/16 2-1/2 2-5/8 2-11/16 2-3/4	4.921 125	1-1/4 31.8	2 50.8	1.139 28.9	3-3/8 85.7	.13 3.2	.111 2.8	5.303 134.7	5.3
ZAEULO			2-11/16 2-3/4 2-13/16 2-7/8 2-15/16 3	5.118 130	1-3/16 30.2	2 50.8	1.264 32.1	3-3/4 95.2	.13 3.2	.111 2.8	5.500 139.7	5.8
ZAEUMO			2-15/16 3 3-1/8 3-3/16	5.511 140	1-13/32 35.7	2-1/4 57.2	1.389 35.3	4 101.6	.19 4.8	.111 2.8	5.894 149.7	7.2



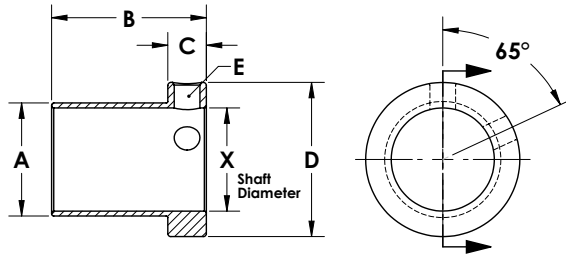
ER

Standard

-04
(extra length for heat expansion)

ALL-ROUND® SETSCREW LOCKING SLEEVES

Standard and ER Series - 316 stainless steel



Threadlocker should always be used with setscrews on locking sleeves.

Other sizes and materials are available on a custom basis.

x= Shaft Diameter		LOCKING SLEEVE STANDARD LENGTH	STANDARD B	LOCKING SLEEVE ER LENGTH	ER B	LOCKING SLEEVE -04 LENGTH	-04 B	A	C	D	2 ea ss set screw	Wt
mm	in	PART # Group Ring	in mm	PART # Group Ring	in mm	PART # Group Ring	in mm	in mm	in mm	in mm		lbs
12 15 17	1/2 9/16 5/8 11/16	ZALUA6-x A (203)	1-11/32 34.2	ZAMUA6-x A (203)	1-7/64 28.2	ZALUA6-x-04 A (203)	1.92 49	25/32 20.0	3/8 9.5	1-1/8 28.6	1/4-28	.2
12 15 17 20	1/2 9/16 5/8 11/16 3/4 13/16	ZALUB6-x B (204)	1-15/32 37.4	ZAMUB6-x B (204)	1-1/4 31.8	ZALUB6-x-04 B (204)	2.04 52	29/32 23.2	3/8 9.5	1-1/4 31.8	1/4-28	.2
25	3/4 13/16 7/8 15/16 1	ZALUC6-x C (205)	1-17/32 39.0	ZAMUC6-x C (205)	1-3/8 34.8	ZALUC6-x-04 C (205)	2.11 55.5	1-3/32 27.9	3/8 9.5	1-1/2 38.1	1/4-28	.2
		ZALUCH-1	1.89 48.0									
30	1 1-1/16 1-1/8 1-3/16 1-1/4	ZALUD6-x D (206)	1-53/64 46.4	ZAMUD6-x D (206)	1-35/64 39.1	ZALUD6-x-04 D (206)	2.12 53.8	1-11/32 34.3	31/64 11.9	1-3/4 44.5	3/8-24	.3
35	1-3/16 1-1/4 1-5/16 1-3/8 1-7/16	ZALUE6-x E (207)	2-1/32 51.7	ZAMUE6-x E (207)	1-23/32 43.7	ZALUE6-x-04 E (207)	2.60 66.1	1-17/32 39.1	1/2 12.7	2 50.8	3/8-24	.6
40	1-7/16 1-1/2 1-9/16 1-5/8	ZALUF6-x F (208)	2-7/32 56.4	ZAMUF6-x F (208)	1-31/32 50.0	ZALUF6-x-04 F (208)	2.79 70.8	1-23/32 43.8	9/16 14.3	2-1/4 57.2	3/8-24	.6
45	1-1/2 1-5/8 1-11/16 1-3/4	ZALUG6-x G (209)	2-9/32 58.0	ZAMUG6-x G (209)	1-61/64 49.5	ZALUG6-x-04 G (209)	2.86 72.6	1-7/8 47.5	9/16 14.3	2-1/2 63.5	3/8-24	.9
50	1-11/16 1-3/4 1-13/16 1-7/8 1-15/16 2	ZALUH6-x H (210)	2-9/32 58.0	ZAMUH6-x H (210)	2-3/64 51.9	ZALUH6-x-04 H (210)	2.86 72.6	2-3/32 53.3	9/16 14.3	2-11/16 68.3	3/8-24	1.0
55	1-15/16 2 2-1/16 2-1/8 2-3/16 2-1/4	ZALUI6-x I (211)	2-15/32 62.8	ZAMUI6-x I (211)	2-13/64 55.9	ZALUI6-x-04 I (211)	3.04 77.2	2-11/32 59.7	9/16 14.3	2-7/8 73.0	3/8-24	1.3
60	2-3/16 2-1/4 2-5/16 2-3/8 2-7/16	ZALUJ6-x J (212)	2-22/32 69.1	ZAMUJ6-x J (212)	2-37/64 65.3	ZALUJ6-x-04 J (212)	3.23 82	2-17/32 64.5	9/16 14.3	3 76.2	3/8-24	1.3
70	2-7/16 2-1/2 2-5/8 2-11/16 2-3/4	ZALUK6-x K (214)	2-29/32 73.9	ZAMUJ6-x K (214)	2-49/64 70.1	ZALUK6-x-04 K (214)	3.48 88.4	2-27/32 72.4	3/4 19.1	4 101.6	1/2-20	3.0
75	2-11/16 2-3/4 2-13/16 2-7/8 2-15/16 3	ZALUL6-x L (215)	2-29/32 73.9	ZAMUL6-x L (215)	2-29/32 73.9	ZALUL6-x-04 L (215)	3.48 88.4	3-9/64 79.8	3/4 19.1	4 101.6	1/2-20	2.2
80	2-15/16 3 3-1/8 3-3/16	ZALUM6-x M (216)	3-5/32 80.3	ZALUM6-x M (216)	3-5/32 80.3	ZALUM6-x-04 M (216)	3.48 88.4	3-9/32 83.5	3/4 19.1	4-1/2 114.3	1/2-20	3.0

ALL-ROUND® DOUBLELOCK® SLEEVES

Standard and ER Series - 316 stainless steel

ER



Standard

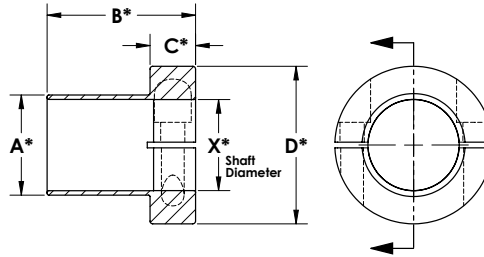


-04
(extra length for heat expansion)



Threadlocker should always be used with clamping screws on locking sleeves.

Other sizes and materials are available on a custom basis.

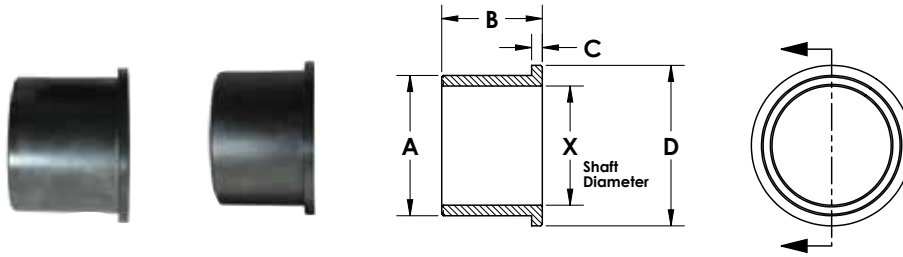


x= Shaft Diameter		DOUBLELOCK® STANDARD LENGTH		STD LENGTH B	DOUBLELOCK® ER LENGTH		ER B	DOUBLELOCK® -04 LENGTH		-04 B	A	C	D	2 ea SHCS	Wt
mm	in	PART #		in mm	PART #		in mm	PART #		in mm	in mm	in mm	in mm		lbs
		Group	Ring		Group	Ring		Group	Ring						
12 15 17	1/2 9/16 5/8 11/16	ZALUA6-x-LK		1.47 37	ZAMUA6-x-LK			ZALUA6-x-04-LK		2.07 52.6	0.78 20.0	.44 11	1.49 38	1/4-28	.2
		A	(203)		A	(203)		A	(203)						
12 15 17 20	1/2 9/16 5/8 3/4 13/16	ZALUB6-x-LK		1.56 39	ZAMUB6-x-LK		1.35 34	ZALUB6-x-04-LK		2.17 55.1	0.90 23.2	.50 13	1.63 41	1/4-28	.2
		B	(204)		B	(204)		B	(204)						
25	3/4 13/16 7/8 15/16 1	ZALUC6-x-LK		1.63 41	ZAMUC6-x-LK		1.47 37	ZALUC6-x-04-LK		2.23 56.6	1.09 27.9	.50 13	1.75 44	1/4-28	.2
		ZALUCH-1-LK		2.01 27.9				C	(205)						
		ZALUCH-1-LCHTV		1.60 41											
		C	(205)		C	(205)		C	(205)						
30	1 1-1/16 1-1/8 1-3/16 1-1/4	ZALUD6-x-LK		1.81 46	ZAMUD6-x-LK		1.54 39	ZALUD6-x-04-LK		2.42 61.5	1.34 34.3	.50 13	2.0 50	1/4-28	.4
		D	(206)		D	(206)		D	(206)						
35	1-3/16 1-1/4 1-5/16 1-3/8 1-7/16	ZALUE6-x-LK		2.00 51	ZAMUE6-x-LK		1.69 43	ZALUE6-x-04-LK		2.60 66	1.53 39.1	.50 13	2.25 57	1/4-28	.5
		E	(207)		E	(207)		E	(207)						
40	1-7/16 1-1/2 1-9/16 1-5/8	ZALUF6-x-LK		2.13 54	ZAMUF6-x-LK		1.88 48	ZALUF6-x-04-LK		2.73 69.3	1.71 43.8	.50 13	2.38 60	1/4-28	.6
		F	(208)		F	(208)		F	(208)						
45	1-1/2 1-5/8 1-11/16 1-3/4	ZALUG6-x-LK		2.31 58	ZAMUG6-x-LK		1.98 50	ZALUG6-x-04-LK		2.92 74.1	1.87 47.5	.63 16	2.75 70	5/16-24	.8
		G	(209)		G	(209)		G	(209)						
50	1-11/16 1-3/4 1-13/16 1-7/8 1-15/16 2	ZALUH6-x-LK		2.31 58	ZAMUH6-x-LK		2.08 53	ZALUH6-x-04-LK		2.92 74.1	2.09 53.3	.63 16	3.0 76	5/16-24	1.1
		H	(210)		H	(210)		H	(210)						
55	1-15/16 2 2-1/16 2-1/8 2-3/16 2-1/4	ZALUI6-x-LK		2.50 64	ZAMUI6-x-LK		2.24 57	ZALUI6-x-04-LK		3.11 79.0	2.34 59.7	.63 16	3.25 83	5/16-24	1.3
		I	(211)		I	(211)		I	(211)						
60	2-3/16 2-1/4 2-5/16 2-3/8 2-7/16	ZALUJ6-x-LK		2.74 70	ZAMUJ6-x-LK		2.60 66	ZALUJ6-x-04-LK		3.35 85.1	2.53 64.5	.63 16	3.4 86	5/16-24	1.4
		J	(212)		J	(212)		J	(212)						
70	2-7/16 2-1/2 2-5/8 2-11/16 2-3/4	ZALUK6-x-LK		2.88 73	ZAMUJ6-x-LK		2.73 69	ZALUJ6-x-04-LK		3.48 88.4	2.84 72.4	.75 19	3.8 96	3/8-24	2.0
		K	(214)		K	(214)		K	(214)						
75	2-11/16 2-3/4 2-13/16 2-7/8 2-15/16 3	ZALUL6-x-LK		2.88 73	ZAMUL6-x-LK		2.88 73	ZALUL6-x-04-LK		3.48 88.4	3.14 79.8	.75 19	4.13 105	3/8-24	2.0
		L	(215)		L	(215)		L	(215)						
80	2-15/16 3 3-1/8 3-3/16	ZALUM6-x-LK		3.16 80	ZAMUM6-x-LK			ZALUM6-x-04-LK		3.48 88.4	3.28 83.5	.75 19	4.7 120	3/8-24	2.0
		M	(216)		M	(216)		M	(216)						

ALL-ROUND® FLANGED POLYMER BEARINGS



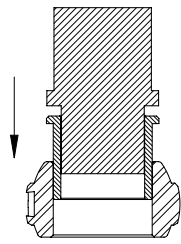
Use with All-Round® inserts or as a sleeve bearing.



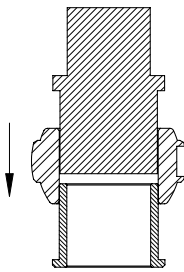
__ = Material Identifier (see selection chart on page D-3). QB is available in sizes A through I

STANDARD FLANGED BEARING		ER FLANGED BEARING		Insert accommodates the following shaft sizes		A	STANDARD B	ER B	C	D	Housing bore for press fit	Wt
PART #*		PART #*										
Group	Ring	Group	Ring	mm	in	in mm	in mm	in mm	in mm	in mm	in	lbs
__BUAO-A				12	1/2	1	59/64		.10	1-1/8	.999	.01
A	(203)			15	9/16	25.4	23.3			28.6		
				17	5/8							
					11/16							
__BUBO-B		__CUBO-B		12	1/2	1-1/8	1-3/64	13/16	.10	1-1/4	1.126	.01
B	(204)	B	(204)	15	9/16	28.6	26.5	20.7		31.8		
				17	5/8							
				20	11/16							
__BUCO-C		__CUCO-C		25	3/4	1-5/16	1-7/64	15/16	.10	1-1/2	1.311	.02
C	(205)	C	(205)		13/16	33.3	28.1	23.9		38.1		
					7/8							
					15/16							
					1							
__BUDO-D		__CUDO-D		30	1	1-9/16	1-19/64	1-1/64	.10	1-3/4	1.561	.03
D	(206)	D	(206)		1-1/16	39.7	32.8	25.7		44.5		
					1-1/8							
					1-3/16							
					1-1/4							
__BUEO-E		__CUEO-E		35	1-3/16	1-3/4	1-31/64	1-5/32	.10	2	1.749	.04
E	(207)	E	(207)		1-1/4	44.5	37.6	29.4		50.8		
					1-5/16							
					1-3/8							
					1-7/16							
__BUFO-F		__CUFO-F		40	1-7/16	1-15/16	1-39/64	1-11/32	.10	2-1/4	1.936	.05
F	(208)	F	(208)		1-1/2	49.2	40.8	34.2		57.2		
					1-9/16							
					1-5/8							
__BUGO-G		__CUGO-G		45	1-1/2	2-1/16	1-43/64	1-21/64	.10	2-1/2	2.061	.06
G	(209)	G	(209)		1-5/8	52.4	42.4	33.7		63.5		
					1-11/16							
					1-3/4							
__BUHO-H		__CUHO-H		50	1-11/16	2-5/16	1-43/64	1-27/64	.10	2-3/4	2.311	.08
H	(210)	H	(210)		1-3/4	58.8	42.4	36.1		69.9		
					1-13/16							
					1-7/8							
					1-15/16							
					2							
__BUJO-I		__CUJO-I		55	1-15/16	2-9/16	1-55/64	1-37/64	.10	2-7/8	2.561	.09
I	(211)	I	(211)		2	65.1	47.1	40.1		73.0		
					2-1/16							
					2-1/8							
					2-3/16							
					2-1/4							
__BUJO-J		__CUJO-J		60	2-3/16	2-3/4	2-3/32	1-61/64	.10	3.0	2.749	.12
J	(212)	J	(212)		2-1/4	69.9	53.3	49.5		76.2		
					2-5/16							
					2-3/8							
					2-7/16							
__BUKO-K		__CUKO-K		70	2-7/16	3-1/16	2-7/64	1-61/64	.10	3-1/2	3.061	.12
K	(214)	K	(214)		2-1/2	77.8	53.5	49.5		88.9		
					2-5/8							
					2-11/16							
					2-3/4							
__BULO-L		__CULO-L		75	2-11/16	3-3/8	2-7/64	2-7/64	.10	4	3.249	.13
L	(215)	L	(215)		2-3/4	85.8	53.6	53.5		101.6		
					2-13/16							
					2-7/8							
					2-15/16							
					3							
__BUMO-M		__CUMO-M		80	2-15/16	3-1/2	2-11/32	2-11/32	.10	4	3.499	.13
M	(216)	M	(216)		3	89.0	59.7	59.7		101.6		
					3-1/8							
					3-3/16							

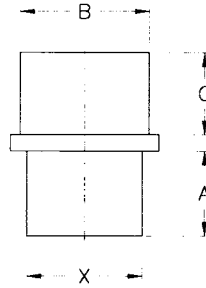
PLANE BEARING INSTALLATION ARBOR



Install Bearing



Remove Bearing



* Alphabetical shaft size indicates ID will accommodate locking sleeve. These are stocked arbors; other sizes available upon request.

STANDARD FLANGED BEARING		x= Shaft Diameter Range	A	B	C	Wt
Group	Ring		in mm	in mm	in mm	lbs
A	PATUAO-x (203)	1/2 → 11/16 A*	3/4 19.1	63/64 25.0	13/16 20.6	.04
B	PATUBO-x (204)	1/2 → 13/16 B*	13/16 20.6	1-1/8 28.6	15/16 23.8	.05
C	PATUCO-x (205)	13/16 → 1 C*	29/32 23.0	1-19/64 32.9	1 25.4	.08
D	PATUDO-x (206)	1 → 1-1/4 D*	1 25.4	1-35/64 39.3	1-3/16 30.2	.2
E	PATUEO-x (207)	1-3/16 → 1-7/16 E*	1-1/8 28.6	1-47/64 44.1	1-23/64 34.5	.2
F	PATUFO-x (208)	1-7/16 → 1-5/8 F*	1-5/16 33.3	1-29/32 48.4	1-1/2 38.1	.3
G	PATUGO-x (209)	1-1/2 → 45mm G*	1-9/32 32.5	2-3/64 52.0	1-35/64 39.3	.4
H	PATUHO-x (210)	1-11/16 → 2 H*	1-3/8 34.9	2-19/64 58.3	1-35/64 39.3	.5
I	PATUIO-x (211)	1-15/16 → 2-1/4 I*	1-35/64 39.3	2-35/64 64.7	1-3/4 44.5	.7
J	PATUJO-x (212)	2-3/16 → 2-7/16 J*	1-29/32 48.4	2-47/64 69.4	2 50.8	.9
K	PATUKO-x (214)	2-7/16 → 70mm K*	1-29/32 48.4	3-3/64 77.4	2 50.8	1.0
L	PATULO-x (215)	2-11/16 → 3 L*	2-1/16 52.5	3-1/4 82.5	2 50.8	1.2
M	PATUMO-x (216)	2-3/4 → 3-3/16 M*	2-21/64 58.9	4 101.6	2-1/4 52.5	1.6

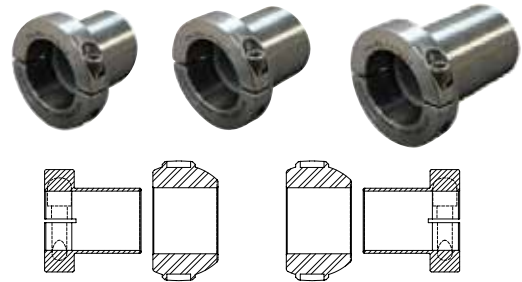
More About Locking Sleeves

Benefits of using Locking Sleeves with Plane Bearings

EDT stainless steel locking sleeves protect shaft surfaces from abrasion and the normal wear caused by plane bearings. Locking sleeves provide:

- Improved bearing surface to increase bearing life
- Contain lateral shaft movement (replaces standard locking collar)
- Protection to shaft
- Abrasion resistant
- Repair damaged shafting

Locking sleeves must run adjacent to polymer, not stainless steel. On Poly-Round® run on either side of the insert, depending on space available. On All-Round® run against polymer flange.



Comparison of setscrew locking sleeves and DoubleLock® sleeves

In some sizes, DoubleLock® sleeves have slightly wider collar than standard locking sleeves to accommodate hardware that is strong enough to draw the split flange together to properly secure around the shaft. For details on specific shaft sizes, refer to charts on pages D-10 and D-11.

 <p>ZALUC6</p>			<p>Example: 1" locking sleeve dimensional change</p> <ul style="list-style-type: none"> ▪ Body length remains the same at 1.14" ▪ ZALUC6-1 has 1-1/2" collar OD x .375 width, overall length at 1.53" ▪ ZALUC6-1-LK has 1-3/4" collar OD x .50 width, overall length at 1.63"
 <p>ZALUC6-LK</p>			<p>DoubleLock® is available in all sizes/styles of locking sleeves</p> <ul style="list-style-type: none"> ▪ DoubleLock® ZALUC6-x-LK sleeve mates with standard Poly-Round® ▪ DoubleLock® ZAMUC6-x-LK sleeve mates with narrow Poly-Round®
 <p>ZALUC6-OS-LK</p>			<ul style="list-style-type: none"> ▪ DoubleLock® ZALUC6-x-OS-LK sleeve mates with symmetrical Oven Style Poly-Round® (-HTV fixed end)
 <p>ZALUC6-04-LK</p>			<ul style="list-style-type: none"> ▪ DoubleLock® ZALUC6-x-04-LK sleeve mates with standard length Poly-Round® (-HTE expansion end)
 <p>ZALUC6-OS-04-LK</p>			<ul style="list-style-type: none"> ▪ DoubleLock® ZALUC6-x-OS-04-LK sleeve mates with symmetrical Oven Style Poly-Round® (-HTE expansion end)

Extra Advantages of DoubleLock® sleeves over setscrew locking sleeves

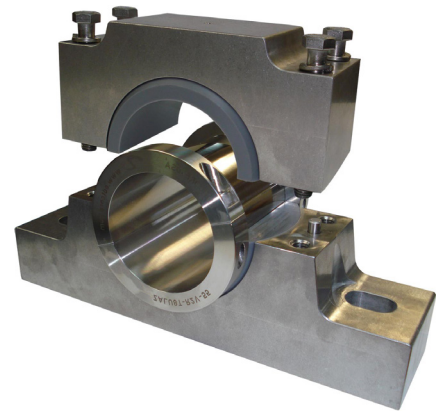
- Holds better under higher thrust loads
- Retains its position under temperature cycling

Recommended applications to definitely consider DoubleLock® sleeves

- Vertical shaft installation
- Ovens
- High load angled or vertical screw conveyor
- Freezers
- Other high thrust load drives



TYPE E AND RPB SOLUTION[®] BEARINGS



Retrofit tapered roller bearings are non-corrosive with Zero Grease! Zero Rust!

- Operate reliably in severe conditions which prematurely fail standard tapered roller bearings
- Stainless and polymer plane bearings and housings are grease-less, non-corrosive, and non-contaminating
- Same mechanical advantages as tapered roller bearings:
 - Capacity to carry heavy radial loads
 - Capacity to handle thrust loads
 - Capacity for combined radial and thrust loads
- Cost effective:
 - Stainless housing can be a one time purchase, re-use many times
 - Poly-Sphere[®] bearing is the one replaceable component
- Support HACCP/HARPC compliance

*EDT Type E + RPB bearings will not replace tapered roller bearings in all applications.
Check with EDT for applicability in your installation.*



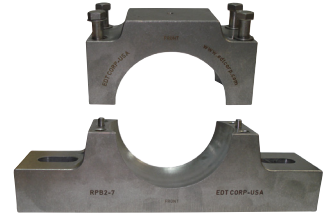
For design assistance, complete a
Bearing Design Checklist (BDC)
edtcorp.com/docs/bearing-design-checklist.pdf

EDT Type E and RPB Solution® Bearings

Heavy duty plane bearing in non-corrosive housing eliminates rolling elements, lubrication, and seals

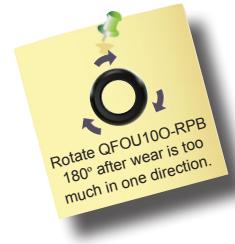
Solution® Housing is non-corrosive; a one-time investment

- Pillow blocks, 4-bolts & piloted 4-bolts available; one-piece (Type E) and split (RPB) styles
- 304-stainless steel or EDT 'KG' polymer
- Resistant to moisture and many chemicals
- Manufactured with smooth surfaces for maximum cleanability
- Save money by reusing housings through multiple bearing change-outs



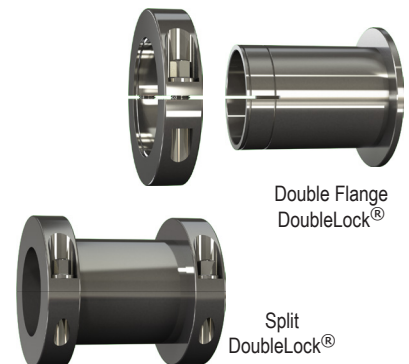
Polymer bearing is the replaceable component

- RPB Poly-Sphere® insert is the wear component: when insert wear is too deep in one direction, the Poly-Sphere® can be rotated 180° to utilize the opposite half. Eventually, replace just the insert, reusing the housing and locking sleeve
- Poly-Sphere® plane bearing available in different polymers depending on the application
 - 'QF' material (black)
 - Maximum speed and load capacity of plane bearing options
 - Unaffected by most chemicals at less than 400°F operating temperature
 - Capable cryogenic to 500°F / 260°C
 - 'NA' material (gray)
 - Lower speed and load capacity than 'QF' material plane bearings
 - Versatile, non-contaminating
 - Capable -40°F / -40°C to 200°F / 93°C
- Split inserts available to mate with split housings



Locking sleeve protects the shaft and secures the journal

- All sleeves have split-collars (EDT DoubleLock®) for maximum clamping around the shaft
- All sleeves utilize EDT KleanCap® screws that are more sanitary than socket head screws
- Innovative Double Flange DoubleLock® sleeve restricts lateral movement of the shaft
- Option of split sleeve to use with split insert in a split housing



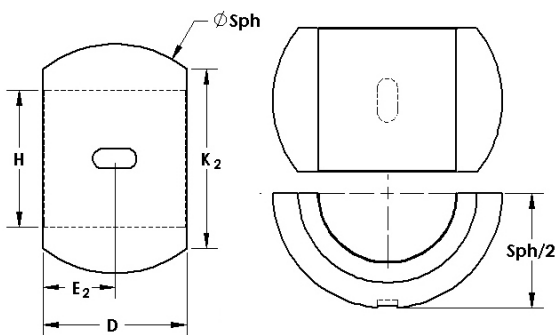
Type E Solution® can retrofit into locations where tapered roller bearings operate in severe service environments, such as:

- | | | |
|----------------------------|----------------------------------|-------------------|
| - Screw conveyors | - Chillers | - Hide pullers |
| - Bright Coop dumpers | - Ovens | - Rendering |
| - Blenders | - Freezers | - Gut augers |
| - Waste water filter belts | - Large conveyors in beef plants | - Offal conveyors |
| - Dumper applications | - Blood cooker | - Blanchers |

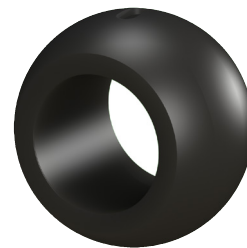


Type E / RPB Poly-Sphere® Bearings

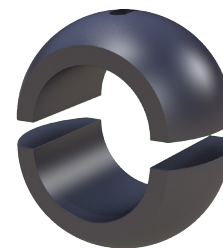
QF or NA Poly-Sphere® bearing depending on application



Note: You must use a split Poly-Sphere® with a split sleeve



Type E Poly-Sphere®
(NAOU010-RPB)



RPB Poly-Sphere®
(NAOU01T-RPB)

x = shaft diameter			EDT RPB Group	Poly-Sphere®		Insert wt.	Ø Sph	E2	D	K2	H	Mounted Type E Max Load
in	mm	16th	mm ØSph	Standard	Split	lbs	in mm	in mm	in mm	in mm	in mm	lbs newton
1-1/8		18	1	NAOU010-RPB	NAOU01T-RPB	0.3	2.56	0.86	1.72	1.9	1.35	2,980
1-3/16		19	2	QFOU010-RPB	QFOU01T-RPB		65	21.8	43.7	48.3	34.3	13,260
1-1/4	35	20	65									
1-3/8		22	2	NAOU020-RPB	NAOU02T-RPB	0.4	2.83	0.98	1.97	2	1.54	4,760
1-7/16		23	72	QFOU020-RPB	QFOU02T-RPB		72	24.9	50	50.8	39.1	21,180
1-1/2	40	24	3	NAOU030-RPB	NAOU03T-RPB	0.6	3.35	1.05	2.1	2.6	1.87	6,140
1-5/8		26	85	QFOU030-RPB	QFOU03T-RPB		85	26.7	53.3	66	47.5	27,320
1-11/16		27										
1-3/4		28	4	NAOU040-RPB	NAOU04T-RPB	0.6	3.54	1.11	2.22	2.8	2.1	8,070
1-7/8		30	90	QFOU040-RPB	QFOU04T-RPB		90	28.2	56.4	71.1	53.3	35,908
1-15/16	50	31										
2		32	5	NAOU050-RPB	NAOU05T-RPB	0.8	3.94	1.23	2.47	3.1	2.35	8,550
2-3/16		35	100	QFOU050-RPB	QFOU05T-RPB		100	31.2	62.7	78.7	59.7	38,044
2-1/4	60	36	6	NAOU060-RPB	NAOU06T-RPB	1.1	4.72	1.23	2.47	3.6	2.85	9,090
2-3/8		38	120	QFOU060-RPB	QFOU06T-RPB		120	31.2	62.7	91.4	72.4	40,447
2-7/16		39										
2-1/2		40										
2-11/16		43	7	NAOU070-RPB	NAOU07T-RPB	1.5	4.92	1.48	2.97	3.9	3.14	9,600
2-3/4		44	125	QFOU070-RPB	QFOU07T-RPB		125	37.6	75.4	99.1	79.8	42,716
2-15/16	70	47										
3		48										
3-3/16		51	8	NAOU080-RPB	NAOU08T-RPB	2.2	5.71	1.73	3.47	4.5	3.7	15,300
3-1/4		52	145	QFOU080-RPB	QFOU08T-RPB		145	43.9	88.1	114.3	94	68,078
3-7/16		55										
3-1/2		56										
3-11/16	100	59	9	NAOU090-RPB	NAOU09T-RPB	4.6	6.89	2.36	4.72	5	4.2	21,000
3-15/16		63	175	QFOU090-RPB	QFOU09T-RPB		175	59.9	119.9	127	106.7	93,400
4		64										
4-7/16		71	10	NAOU100-RPB	NAOU10T-RPB	6.3	7.68	2.61	5.22	5.6	4.7	25,800
4-1/2		72	195	QFOU100-RPB	QFOU10T-RPB		195	66.3	132.6	142.2	119.4	114,780
4-15/16	79	79	11	NAOU110-RPB	NAOU11T-RPB	6.2	8.35	2.86	5.72	6.1	5.2	35,500
5		80	212	QFOU110-RPB	QFOU11T-RPB		212	72.6	145.3	154.9	132.1	157,950

Poly-Sphere® plane bearing available in different polymers depending on the application

- 'QF' material (black)
 - Maximum speed and load capacity of plane bearing options
 - Unaffected by most chemicals at less than 400°F operating temperature
 - Capable cryogenic to 500°F / 260°C
- 'NA' material (gray)
 - Lower speed and load capacity than 'QF' material plane bearings
 - Versatile, non-contaminating
 - Capable -40°F / -40°C to 200°F / 93°C

Poly-Sphere® insert reuse

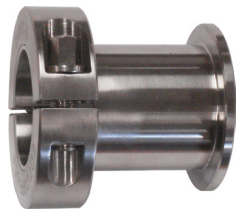


When wear is too much in one direction, rotate QFOU01_O-RPB 180° and reuse.



For design assistance, complete a **Bearing Design Checklist (BDC)**
edtcorp.com/docs/bearing-design-checklist.pdf

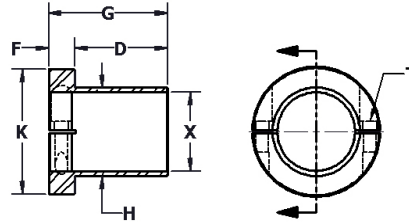
316 Stainless DoubleLock® Sleeves



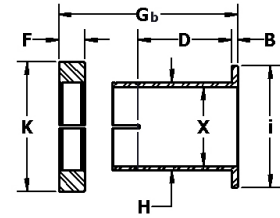
Sample p/n ZADF04-32



Sample p/n ZALU36-26



1 piece sleeve
Options: Add collar for fixed end
Add +.6 length for expansion



Double Flange DoubleLock®
for thrust and reversing motion

x = shaft diameter			EDT RPB Group	DoubleLock®	Wt	K	F	i	B	D	G	Gb	H	T	Corresponding Poly-Sphere®
in	mm	16th	mm ØSph	Double Flange	lbs	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	Bolt Size	Standard
1-1/8		18	1	ZADF01-x	0.5	2.0	0.5	1.9	0.1	1.89	2.25	2.35	1.35	1/4-28	QFOU010-RPB NAOU010-RPB
1-3/16		19	65	ZALU016-x		51.0	12.7	48.3	2.5	48	57.2	59.7	34.3		
1-1/4		20													
1-3/8	35	22	2	ZADF02-x	0.6	2.2	0.5	2	0.1	2	2.5	2.6	1.54	1/4-28	QFOU020-RPB NAOU020-RPB
1-7/16		23	72	ZALU026-x		56.6	12.7	50.8	2.5	50.8	63.5	66	39.1		
1-1/2		24	3	ZADF03-x	1.5	2.7	0.63	2.5	0.1	2.14	2.75	2.86	1.87	5/16-24	QFOU030-RPB NAOU030-RPB
1-5/8	40	26	85	ZALU036-x		68.6	16	63.5	2.5	54.4	69.9	72.6	47.5		
1-11/16		27													
1-3/4		28	4	ZADF04-x	1.7	3.0	0.63	2.9	0.15	2.31	2.88	3.03	2.1	5/16-24	QFOU040-RPB NAOU040-RPB
1-7/8		30	90	ZALU046-x		76.2	16	73.7	3.8	58.7	73.2	77	53.3		
1-15/16		31													
2	50	32													
2-3/16	55	35	5	ZADF05-x	1.4	3.2	0.63	3	0.15	2.5	3.13	3.28	2.35	5/16-24	QFOU050-RPB NAOU050-RPB
			100	ZALU056-x		81.3	16	76.2	3.8	63.5	79.5	83.3	59.7		
2-1/4	60	36	6	ZADF06-x	2.1	3.9	0.75	3.5	0.18	2.5	3.25	3.43	2.65	3/8-24	QFOU060-RPB NAOU060-RPB
2-3/8		38	120	ZALU066-x		99.1	19.1	88.9	4.6	63.5	82.6	87.1	67.3		
2-7/16		39													
2-1/2		40													
2-11/16		43	7	ZADF07-x	3.9	4.2	0.75	4	0.18	3	3.75	3.93	3.14	3/8-24	QFOU070-RPB NAOU070-RPB
2-3/4	70	44	125	ZALU076-x		106.7	19.1	101.6	4.6	76.2	95.3	99.8	79.8		
2-15/16		47													
3	75	48													
3-3/16	80	51	8	ZADF08-x	5.4	4.9	0.75	4.5	0.18	3.5	4.25	4.43	3.7	3/8-24	QFOU080-RPB NAOU080-RPB
3-1/4		52	145	ZALU086-x		124.5	19.1	114.3	4.6	88.9	108	112.5	94		
3-7/16		55													
3-1/2	90	56													
3-11/16	100	59	9	ZADF09-x	6.5	5.2	0.75	5	0.18	4.75	5.5	5.7	4.2	3/8-24	QFOU090-RPB NAOU090-RPB
3-15/16		63	175	ZALU096-x		132.1	19.1	127	4.6	120.7	139.7	144.8	106.7		
4		64													
4-7/16	110	71	10	ZADF10-x	7.6	6	0.75	5.5	0.18	5.25	6	6.2	4.7	1/2-20	QFOU100-RPB NAOU100-RPB
4-1/2		72	195	ZALU106-x		152.4	19.1	139.7	4.6	133.4	152.4	157.5	119.4		
4-15/16		79	11	ZADF11-x	8.5	6.5	0.75	6	0.18	5.75	6.5	6.96	5.2	1/2-20	QFOU110-RPB NAOU110-RPB
5	80	80	212	ZALU116-x		165.1	19.1	152.4	4.6	146.1	165.1	176.8	132.1		

Tolerance of shafting to run inside a Double Flange DoubleLock® sleeve

1-3/16" – 3-1/2" nominal to +.0005" to -.001"

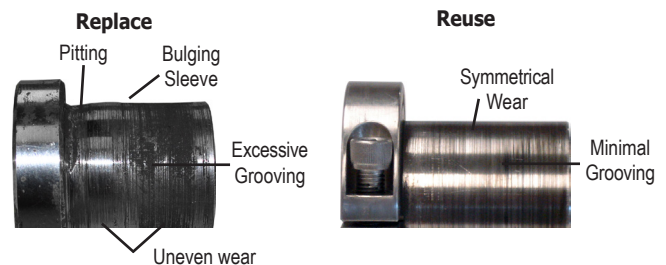
3-11/16" – 5" nominal to +.001" to -.002"

When changing out a Poly-Sphere® bearing, you may be able to reuse the locking sleeve.

Evaluate sleeve for wear, and replace it only when necessary.

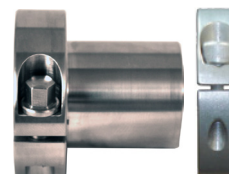
Type E Solution® assemblies include EDT KleanCap® screws

Part Number	Type E Group range	Size	Tooling required	Recommend tightening torque
KCS1/4-28	Group 1-2	1/4 - 28 x 5/8"	1/4" thin walled deep socket	110 inch-pounds
KCS516-24	Group 3-5	5/16 - 24 x 5/8"	5/16" thin walled deep socket	200 inch-pounds
KCS3/8-24	Group 6-9	3/8 - 24 x 1"	3/8" thin walled deep socket	350 inch-pounds
KCS1/2-20	Group 10-11	1/2 - 20 x 1-1/4"	1/2" thin walled deep socket	350 inch-pounds



316 Stainless DoubleLock® Sleeves

Split components indicated in italics

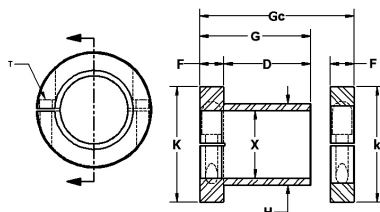


Sample p/n ZALU46-32 } ZALU046-32-LKV
ZATVHO-32

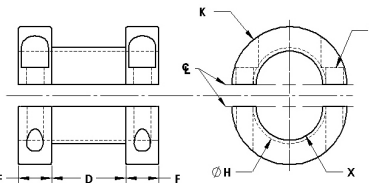
1 piece sleeve
Options: Add collar for fixed end
Add +.6 length for expansion

Fixed End Locking Sleeve

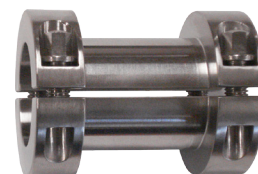
Rely on this combination for shaft sizes that are not available in Double Flange DoubleLock® (page 5)
(Indicate with "-LKV" at end of part number)
* Expansion Sleeve Available
Expansion sleeve is .6" longer. Omit Split Collar
(Indicate with "-04" suffix to sleeve part number)



Note: You must use a split Poly-Sphere® with a split sleeve



Split Sleeve



Sample p/n ZALU4T-32

x = shaft diameter			EDT RPB Group	Sleeve P/N	Wt	Split Collar	Wt	K	F	D*	H	G	Gc	T	Corresponding Poly-Sphere® P/N	
in	mm	16th													1-Piece	Split
1-1/8	18		1	ZALU016-x	.4	ZATVDO-18	.3	2	0.5	1.75	1.35	2.25	2.8	1/4-28	QFOU010-RPB	QFOU01T-RPB
1-3/16	19			ZALU01T-x	ZATVDO-19											
1-1/4	20			ZALU01T-x	ZATVDO-20											
1-3/8	35	22	2	ZALU026-x	.5	ZATVEO-35m	.4	2.2	0.5	2	1.54	2.5	3	1/4-28	QFOU020-RPB	QFOU02T-RPB
1-7/16	23			ZALU02T-x	ZATVEO-22											
				ZALU02T-x	ZATVEO-23											
1-1/2	40	24	3	ZALU036-x	.7	ZATVFO-24	.4	2.7	0.63	2.14	1.87	2.75	3.4	5/16-24	QFOU030-RPB	QFOU03T-RPB
1-5/8	26			ZALU03T-x	ZATVFO-40m											
1-11/16	27			ZALU03T-x	ZATVFO-26											
1-3/4	50	28	4	ZALU046-x	1.2	ZATVGO-28	.7	3	0.63	2.25	2.1	2.88	3.5	5/16-24	QFOU040-RPB	QFOU04T-RPB
1-7/8	30			ZALU04T-x	ZATVGO-30											
1-15/16	31			ZALU04T-x	ZATVHO-31											
2	55	32	5	ZALU056-x	1.6	ZATVHO-50m	.8	3.2	0.63	2.5	2.35	3.13	3.5	5/16-24	QFOU050-RPB	QFOU05T-RPB
2-3/16	35			ZALU05T-x	ZATVIO-55m											
				ZALU05T-x	ZATVIO-35											
2-1/4	60	36	6	ZALU066-x	2.3	ZATVIO-36	1.4	3.9	0.75	2.5	2.65	3.25	4	3/8-24	QFOU060-RPB	QFOU06T-RPB
2-3/8	38			ZALU06T-x	ZATVIO-60m											
2-7/16	39			ZALU06T-x	ZATVIO-38											
2-1/2	60	40	7	ZALU076-x	2.5	ZATVIO-39	1.6	4.1	0.75	3	3.14	3.75	4.5	3/8-24	QFOU070-RPB	QFOU07T-RPB
2-11/16	43			ZALU07T-x	ZATVIO-44											
2-3/4	44			ZALU07T-x	ZATVIO-70											
2-15/16	70	47	8	ZALU086-x	3.6 (6.5)	ZATVIO-47	1.6	4.7	0.75	3.5	3.7	4.25	5	3/8-24	QFOU080-RPB	QFOU08T-RPB
3	75	48		ZALU08T-x	ZATVIO-39											
				ZALU08T-x	ZATVIO-48											
3-3/16	80	51	9	ZALU096-x	1.8	ZATVIO-55	1.8	5.2	0.75	4.75	4.2	5.5	6.3	3/8-24	QFOU090-RPB	QFOU09T-RPB
3-1/4	52			ZALU09T-x	ZATVIO-63											
3-7/16	55			ZALU09T-x	ZATVIO-64											
3-1/2	90	56	10	ZALU10-x		ZATVIO-63	1.8	5.7	0.75	5.25	4.7	6	6.8	1/2-20	QFOU100-RPB	QFOU10T-RPB
3-11/16	59			ZALU10T-x	ZATVIO-71											
3-15/16	63			ZALU10T-x	ZATVIO-72											
4	110	64	11	ZALU11-x		ZATVIO-71	1.8	6.2	0.75	5.75	5.2	6.5	7.3	1/2-20	QFOU110-RPB	QFOU11T-RPB
4-7/16	71			ZALU11T-x	ZATVIO-79											
4-1/2	72			ZALU11T-x	ZATVIO-80											
4-15/16	79	80														

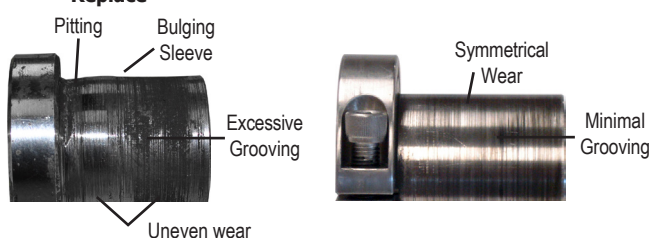
Tolerance of shafting to run inside a DoubleLock® sleeve

1-3/16" - 3-1/2" nominal to +.001" to -.002"
3-11/16" - 5" nominal to +.002" to -.002"

When changing out a Poly-Sphere® bearing, you may be able to reuse the locking sleeve.
Evaluate sleeve for wear, and replace it only when necessary.

Replace

Reuse

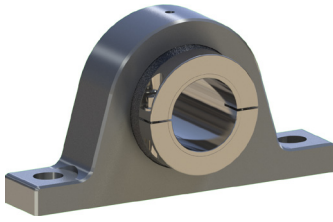


Type E Solution® assemblies include EDT KleanCap® screws

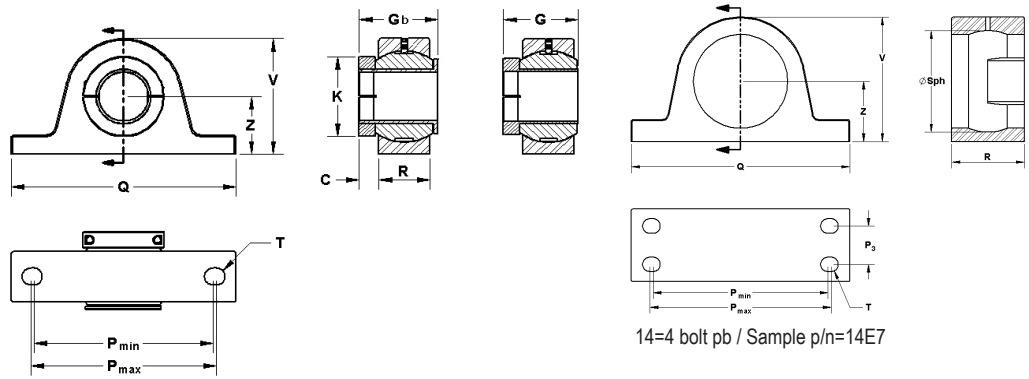
Part Number	Type E Group range	Size	Tooling required	Recommend tightening torque
KCS1/4-28	Group 1-2	1/4 - 28 x 5/8"	1/4" thin walled deep socket	110 inch-pounds
KCS516-24	Group 3-5	5/16 - 24 x 5/8"	5/16" thin walled deep socket	200 inch-pounds
KCS3/8-24	Group 6-11	3/8 - 24 x 1"	3/8" thin walled deep socket	350 inch-pounds
KCS1/2-20	Group 10-11	1/2 - 20 x 1-1/4"	1/2" thin walled deep socket	350 inch-pounds

Type E Solution® Pillow Block

Housing is standard 304-stainless or EDT 'KG' polymer (limited sizes)
(other materials available upon request)



Sample p/n QF1E2-22



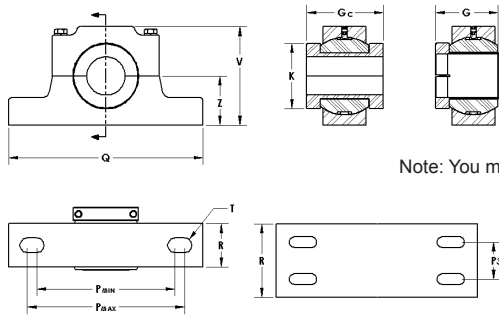
2-Bolt	x = shaft diameter			Stainless			Polymer			P		T	P3	G	Gb	Mounted Type E Max Load					
	EDT RPB Group			SS Housing p/n	SS Housing wt	SS R	Polymer Housing p/n	Polymer Housing wt	Polymer R	min	max										
	in	mm	16th	Standard Split	lbs	in mm	Standard	lbs	in mm	in mm	in mm						Bolt Size	Distance	in mm	in mm	lbs newton
2-Bolt	1-1/8	18	1	QF1E1-x NA1E1-x	3.8	1.5 38	QF1G1-x NA1G1-x	0.5	1.5 38	1.5	3.13	6	4.75	4.81	3/8	-	2.25	2.35	2,980		
	1-3/16	19	65							38.1	79.5	152.4	120.7	122.2	1/2	-	2.5	2.6	4,760		
	1-1/4	20	72							47.8	95.3	187.5	142.7	149.4						6	5.62
	2-Bolt	1-3/8	35	2	QF1E2-x NA1E2-x	7.4	1.88 48	QF1G2-x NA1G2-x	0.7	1.88 48	1.88	3.75	7.38	5.62	5.88	1/2	-	2.5	2.6	4,760	
		1-7/16	22	72							47.8	95.3	187.5	142.7	149.4						7.38
		1-1/2	24	85							53.8	108	193.5	155.4	162.1	7.62	6.12	6.38	6,140		
		2-Bolt	1-5/8	40	3	QF1E3-x NA1E3-x	8.8	1.97 50	QF1G3-x NA1G3-x	0.9	1.97 50	2.12	4.25	7.62	6.12	6.38	1/2	-	2.75	2.86	6,140
			1-11/16	26	85							53.8	108	193.5	155.4	162.1					
			1-3/4	28	90							57.2	114.3	219.2	174.8	180.8	7.12	6.88	7.12	8,070	
			2-Bolt	1-7/8	30	4	QF1E4-x NA1E4-x	10.9	1.97 50	QF1G4-x NA1G4-x	1.4	1.97 50	2.25	4.5	8.63	6.88	7.12	5/8	-	2.88	3.03
1-15/16				31	90	57.2							114.3	219.2	174.8	180.8	7.12				
2				50	32	57.2							114.3	219.2	174.8	180.8	7.12	6.88	7.12	35,908	
2-Bolt				2-3/16	55	5	QF1E5-x NA1E5-x	12.1	2.2 56	QF1G5-x NA1G5-x	1.5	2.2 56	2.5	4.94	9.38	7.62	7.88	5/8	-	3.13	3.28
	2-1/4			35	100	63.5							125.5	238.3	193.5	200.2	9.38				
	2-1/4			36	6	---							---	---	---	---	---	---	---	---	---
	2-3/8			38	120	69.9	147.6	266.7	212.9	218.9	8.38	8.62	8.62	40,447							
	2-Bolt	2-7/16		39	6	QF1E6-x NA1E6-x	13.5	2.2 56	---	---	---	2.75	5.81	10.5	8.38	8.62	5/8	-	3.25	3.43	9,090
		2-1/2		40	120							69.9	147.6	266.7	212.9	218.9					
		2-11/16		43	7							---	---	---	---	---	---	---	---	---	---
		2-3/4	44	125	79.5	162.1	292.1	236.5	246.1	9.31	9.69	9.69	42,716								
		2-Bolt	2-15/16	47	7	QF1E7-x NA1E7-x	21.5	2.7 69	---	---	---	3.13	6.38	11.5	9.31	9.69	3/4	-	3.75	3.93	9,600
			3	48	125							79.5	162.1	292.1	236.5	246.1					
3-3/16			51	8	---							---	---	---	---	---	---	---	---	---	7/8
3-1/4			52	145	95.3	196.9	342.9	274.6	284.2	10.81	11.19	11.19	68,078								
4-Bolt			3-7/16	55	8	QF1E8-x NA1E8-x	40.2	3.15 80	---	---	---	3.75	7.75	13.5	10.81	11.19	7/8	-	4.25	4.43	15,300
			3-1/2	56	145							95.3	196.9	342.9	274.6	284.2					
	2-1/4		36	6	---							---	---	---	---	---	---	---	---	---	5/8
	2-3/8		38	120	69.9	147.6	266.7	212.9	218.9	8.38	8.62	8.62	40,447								
	4-Bolt		2-7/16	39	6	QF14E6-x NA14E6-x	13.5	3.4 86	---	---	---	2.75	5.81	10.5	8.38	8.62	5/8	1-7/8	3.25	3.43	9,090
			2-1/2	40	120							69.9	147.6	266.7	212.9	218.9					
		2-11/16	43	7	---							---	---	---	---	---	---	---	---	---	5/8
		2-3/4	44	125	79.5	162.1	304.8	233	249	9.18	9.81	9.81	42,716								
		4-Bolt	2-15/16	47	7	QF14E7 NA14E7	27	3.97 101	---	---	---	3.13	6.38	12	9.18	9.81	5/8	-	3.75	3.93	9,600
			3	48	125							79.5	162.1	304.8	233	249					
3-3/16			51	8	---							---	---	---	---	---	---	---	---	---	3/4
3-1/4			52	145	95.3	196.9	342.9	273	286	10.75	11.25	11.25	68,078								
4-Bolt			3-7/16	55	8	QF14E8-x NA14E8-x	44	4.47 113.5	---	---	---	3.75	7.75	13.5	10.75	11.25	3/4	-	4.25	4.43	15,300
			3-1/2	56	145							95.3	196.9	342.9	273	286					
	3-11/16		59	9	---							---	---	---	---	---	---	---	---	---	3/4
	3-15/16		63	175	~68	113.5	---	---	---	---	---	---	---	---	139.7	144.8	93,400				
	4		64	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	

Suffix = (none) indicates ZADF sleeve
 = LK indicates standard DoubleLock® sleeve
 = LKV indicates fixed bearing DoubleLock & split collar
 = LKE indicates expansion bearing

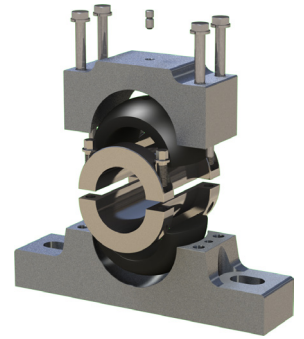
EDT Type E housings are designed to mate with Poly-Sphere® inserts. EDT Type E housing can be manufactured to accept some brands of standard tapered roller bearings. Call for custom quotation.

RPB Solution® Split Pillow Block

QF or NA Poly-Sphere® bearing depending on application



Note: You must use a split Poly-Sphere® with a split sleeve



Sample p/n QFT1E4T-32T

x = shaft diameter	EDT RPB Group	Stainless		R	Z	V	Q	P		P3	T	G	Gc	Mounted Type E Max Load	
		Split Housing Assembly p/n	Split SS Housing Assembly wt					min	max						
		Split	lbs					in mm	in mm						Distance
1-1/8 1-3/16 1-1/4	18 19 20	1 65	QF1E1T-x NA1E1T-x	3	1.5 38	1.5 38.1	3.13 79.5	6.25 152.4	4.57 116.7	4.94 125.5	-	1/2	2.25 57.2	2.8 71.1	2,980 13,260
1-3/8 1-7/16	22 23	2 72	QF1E2T-x NA1E2T-x	6.4	1.88 48	1.88 47.8	3.75 95.3	7.25 187.5	5.32 135.9	5.94 151.9	-	1/2	2.5 63.5	3 76.2	4,760 21,180
1-1/2 1-5/8 1-11/16	24 26 27	3 85	QF1E3T-x NA1E3T-x	7.3	1.97 50	2.12 53.8	4.25 108	7.75 193.5	5.56 141.2	6.44 163.6	-	1/2	2.75 69.9	3.4 86.4	6,140 27,320
1-3/4 1-7/8 1-15/16	28 30 31	4 90	QF1E4T-x NA1E4T-x	8.9	1.97 50	2.25 57.2	4.5 114.3	8.88 219.2	6.31 160.3	7.19 182.6	-	5/8	2.88 73.2	3.5 88.9	8,070 35,908
2 2-3/16	32 35	5 100	QF1E5T-x NA1E5T-x	16.0	2.2 56	2.5 63.5	4.94 125.5	9.63 238.3	6.69 169.9	7.94 201.7	-	5/8	3.13 79.5	3.5 88.9	8,550 38,044
2-1/4 2-3/8 2-7/16 2-1/2	36 38 39 40	6 120	QF1E6T-x NA1E6T-x	13.5	2.2 56	2.75 69.9	5.81 147.6	10.38 266.7	6.93 176.9	8.69 220.7	-	5/8	3.25 82.6	4 101.6	9,090 40,447
2-11/16 2-3/4 2-15/16	43 44 47	7 125	QF1E7T-x NA1E7T-x	21.5	2.7 69	3.13 79.5	6.38 162.1	11.75 292.1	8.12 206.2	9.69 246.1	-	3/4	3.75 95.3	4.5 114.3	9,600 42,716
3 3-3/16 3-1/4 3-7/16 3-1/2	48 51 52 55 56	8 145	QF1E8T-x NA1E8T-x	50.0	3.15 80	3.75 95.3	7.75 196.9	13.5 342.9	10.13 257.3	11.25 285.8	-	7/8	4.25 108	5 127	15,300 68,078
2-1/4 2-3/8 2-7/16 2-1/2	36 38 39 40	6 120	QF14E6T-x NA14E6T-x	13.5	3.4 86	2.75 69.9	5.81 147.6	10.38 266.7	7.75 196.9	8.75 222.3	1.88 47.8	5/8	3.25 82.6	4 101.6	9,090 40,447
2-11/16 2-3/4 2-15/16	43 44 47	7 125	QF14E7T NA14E7T	27	3.97 101	3.13 79.5	6.38 162.1	11.75 304.8	8.75 222.3	10.0 254	2.12 54	5/8	3.75 95.3	4.5 114.3	9,600 42,716
3 3-3/16 3-1/4 3-7/16 3-1/2	48 51 52 55 56	8 145	QF14E8T-x NA14E8T-x	44	4.47 113.5	3.75 95.3	7.75 196.9	13.5 342.9	10.56 268.2	11.5 292.1	2.38 60.3	3/4	4.25 108	5 127	15,300 68,078
3-11/16 3-15/16	59 63	9 175	QF14E9T-x NA14E9T-x	~68	4.47 113.5	4.25 108	8.25 209.6	15.25 387.4	11.0 279.4	13.0 330.2	2.25 57.15	3/4	5.5 139.7	6.3 160	21,000 93,400

Part Numbering Explanation

Polymer material for Poly-Sphere® bearing
NA
QF

Housing Style
1=2 Bolt Pillow Block
4=4-Bolt
14=4 Bolt Pillow Block
24=Piloted 4-Bolt

Type E / RPB Group Size

Shaft Size
1-1/8" thru 5" (in 16th) and metric sizes (ie 85m)

QFT1E8T-55T

Indicates Split Poly-Sphere®
T=Split

"T" is optional when the component is split

Housing Material
E=SS Housing
G=Polymer Housing

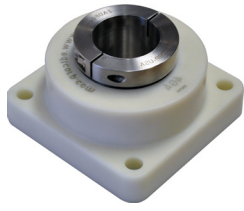
Indicates Split Housing
T=Split (available SS ONLY)

Sleeve Indicator
T=Split Sleeve
-LKV = DoubleLock® with collar
-LKE = DoubleLock® expansion (w/o collar)
BLANK = Double Flange DoubleLock®



Type E Solution® 4-Bolt Flange

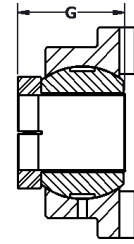
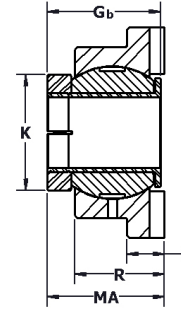
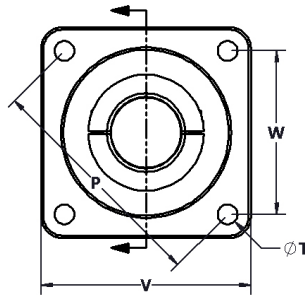
Housing is standard 304-stainless or EDT 'KG' polymer
(other materials available upon request)



Sample p/n QF4G4-32



Sample p/n QF4E4-32



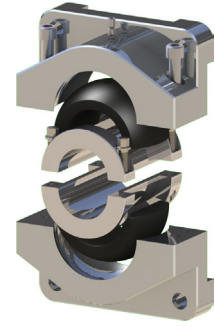
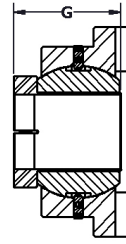
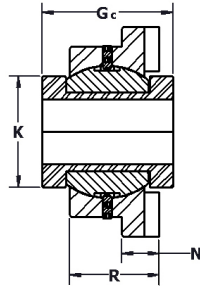
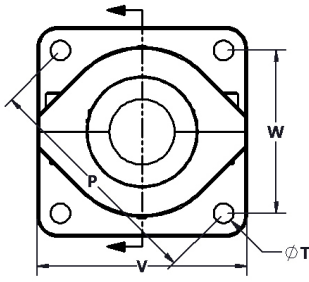
x = shaft diameter			Stainless		Polymer		Ø Sph Poly-Sphere®	V	W	P	MA	R	N	G	Gb	K	T	Mounted Type E Max Load	
			Stainless Assembly p/n	Stainless Assembly wt	Polymer Assembly p/n	Polymer Assembly wt													
in	mm	16th	mm ØSph	lb	lb	lb	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	Bolt size	lbs newton	
1-1/8	19	18	1	QF4E1-x NA4E1-x	2.8	QF4G1-x NA4G1-x	0.5	2.56 65	4.0 102.0	2.88 73.2	4.07 103.4	2.420 61.5	1.9 48.3	0.88 22.4	2.25 57.2	2.35 59.7	2.0 50.1	3/8	2,980 13,260
1-3/16	20	19	65																
1-1/4	35	22	2	QF4E2-x NA4E2-x	4.6	QF4G2-x NA4G2-x	0.8	2.83 72	4.63 117.6	3.5 88.9	4.95 125.7	2.685 68.5	2.1 53.3	1.66 25.4	2.5 63.5	2.6 66	2.2 55.9	1/2	4,760 21,180
1-3/8	35	23	72																
1-7/16	40	24	3	QF4E3-x NA4E3-x	6.2	QF4G3-x NA4G3-x	1.2	3.35 85	5.38 136.7	4.13 104.9	5.83 148.1	2.965 75.5	2.23 56.6	1 25.4	2.75 69.9	2.86 72.6	2.8 71.1	1/2	6,140 27,320
1-1/2	40	27	85																
1-5/8	50	30	4	QF4E4-x NA4E4-x	7.0	QF4G4-x NA4G4-x	1.5	3.54 90	5.63 143	4.38 111.3	6.19 157.2	3.135 79.8	2.4 61	1 25.4	2.88 73.2	3.03 77	3.1 78.7	1/2	8,070 35,908
1-7/8	50	31	90																
1-15/16	55	32	5	QF4E5-x NA4E5-x	10.3	QF4G5-x NA4G5-x	1.9	3.94 100	6.25 158.8	4.88 124	6.89 175	3.405 86.8	2.67 67.8	1.25 31.8	3.13 79.5	3.28 83.3	3.4 86.4	5/8	8,550 38,044
2-3/16	55	35	100																
2-1/4	60	36	6	QF4E6-x NA4E6-x	14.1	QF4G6-x NA4G6-x	2.7	4.72 120	6.80 173.0	5.38 136.7	7.59 192.8	3.639 92.5	2.73 69.3	1.5 38.1	3.25 82.6	3.43 87.1	3.9 99.0	5/8	9,090 40,447
2-3/8	60	38	120																
2-7/16	70	43	7	QF4E7-x NA4E7-x	21.0	---	---	4.92 125	7.75 196.9	6 152.4	8.48 215.4	4.085 103.8	3.2 81.3	1.63 41.4	3.75 95.3	3.93 99.8	4.1 104.1	3/4	9,600 42,716
2-11/16	70	44	125																
2-15/16	75	47	145																
3	80	48	175																
3-3/16	85	51	8	QF4E8-x NA4E8-x	35.1	---	---	5.71 145	9.25 235	7 177.8	9.9 251.5	4.610 117.5	3.7 94	1.75 44.5	4.25 108	4.43 112.5	4.7 119.4	3/4	15,300 68,078
3-1/4	85	52	145																
3-7/16	90	55	175																
3-1/2	90	56	195																
3-11/16	100	59	9	QF4E9-x NA4E9-x	55.0	---	---	6.89 175	10.25 260.4	7.75 196.9	10.96 278.4	6.160 156.5	5.0	2.13	5.5 139.7	5.7 144.8	5.2 132.1	7/8	21,000 93,400
3-15/16	100	63	175																
4	110	64	195																
4-7/16	110	71	10	QF4E10-x NA4E10-x		---	---	7.68 195	11.5 292.1	8.75 222.3	12.38 314.5	---	---	---	6 152.4	6.2 157.5	5.7 144.8	7/8	25,800 114,780
4-1/2	110	72	195																

EDT Type E housings are designed to mate with Poly-Sphere® inserts.

EDT Type E housing can be manufactured to accept some brands of standard tapered roller bearings. Call for custom quotation.

RFB Solution® Split 4-Bolt

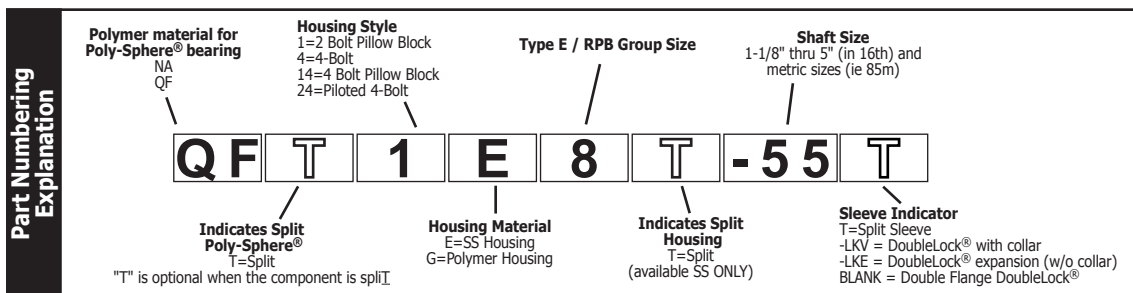
QF or NA Poly-Sphere® bearing depending on application



Sample p/n QFT4E4T-32T

Note: You must use a split Poly-Sphere® with a split sleeve

x = shaft diameter			EDT RPB Group	Split Stainless Housing p/n	Split SS Housing wt	Ø Sph Poly-Sphere®	V	W	P	R	N	G	Gc	K	T	Mounted Type E Max Load
in	mm	16th	mm ØSph	Standard Split	lb	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	Bolt size	lbs newton
1-1/8	18		1	QF4E1T-x	-	2.56	4	2.88	4.07	1.85	0.88	2.25	2.8	2.0	3/8	2,980
1-3/16	19		65	NA4E1T-x	-	65	102.0	73.2	103.4	47	22.4	57.2	71.1	50.1		13,260
1-1/4	20															
	35		272	QF4E2T-x	-	2.83	4.63	3.5	4.95	2.1	1.66	2.5	3	2.2	1/2	4,760
1-3/8	22			NA4E2T-x	-	72	117.6	88.9	125.7	53.3	25.4	63.5	76.2	55.9		21,180
1-7/16	23															
1-1/2	24		3	QF4E3T-x	-	3.35	5.38	4.13	5.83	2.23	1	2.75	3.4	2.8	1/2	6,140
1-5/8	26		85	NA4E3T-x	-	85	136.7	104.9	148.1	56.6	25.4	69.9	86.4	71.1		27,320
1-11/16	27															
1-3/4	28		4	QF4E4T-x	-	3.54	5.63	4.38	6.19	2.4	1	2.88	3.5	3.1	1/2	8,070
1-7/8	30		90	NA4E4T-x	-	90	143	111.3	157.2	61	25.4	73.2	88.9	78.7		35,908
1-15/16	31															
2	32															
	55		5	QF4E5T-x	-	3.94	6.25	4.88	6.89	2.67	1.25	3.13	3.5	3.4	5/8	8,550
2-3/16	35		100	NA4E5T-x	-	100	158.8	124	175	67.8	31.8	79.5	88.9	86.4		38,044
2-1/4	36		6	QF4E6T-x	-	4.72	6.8	5.38	7.59	2.65	1.5	3.25	4	3.9	5/8	9,090
2-3/8	38		120	NA4E6T-x	-	120	173.0	136.7	192.8	67.3	38.1	82.6	101.6	99.0		40,447
2-7/16	39															
2-1/2	40															
2-11/16	43		7	QF4E7T-x	-	4.92	7.75	6	8.48	3.2	1.63	3.75	4.5	4.1	3/4	9,600
2-3/4	44		125	NA4E7T-x	-	125	196.9	152.4	215.4	81.3	41.4	95.3	114.3	104.1		42,716
2-15/16	47															
3	48															
	85		8	QF4E8T-x	-	5.71	9.25	7	9.9	3.7	1.75	4.25	5.7	4.7	3/4	15,300
3-3/16	51		145	NA4E8T-x	-	145	235	177.8	251.5	94	44.5	108	144.8	119.4		68,078
3-1/4	52															
3-7/16	55															
3-1/2	56															
	100		9	QF4E9T-x	-	6.89	10.25	7.75	10.96	-	2.13	5.5	-	5.2	7/8	21,000
3-11/16	59		175	NA4E9T-x	-	175	260.4	196.9	278.4	-		139.7	-	132.1		93,400
3-15/16	63															
4	64															
	110		10	QF4E10T-x	-	7.68	11.5	8.75	12.38	-	---	6	-	5.7	1	25,800
4-7/16	71		195	NA4E10T-x	-	195	292.1	222.3	314.5	-		152.4	-	144.8		114,780
4-1/2	72															

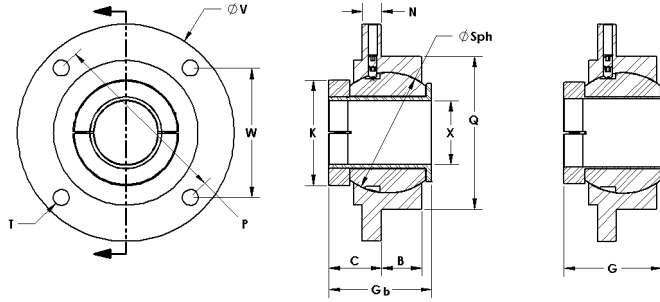


Type E Solution[®] Piloted 4-Bolt

Housing is standard 304-stainless or EDT 'KG' polymer (limited sizes)
(other materials available upon request)



Solution[®] housings can be reused through multiple bearing change-outs



Sample p/n QF24E4-32

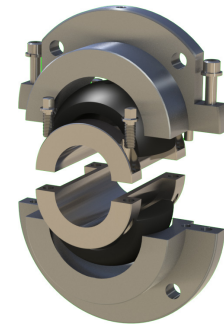
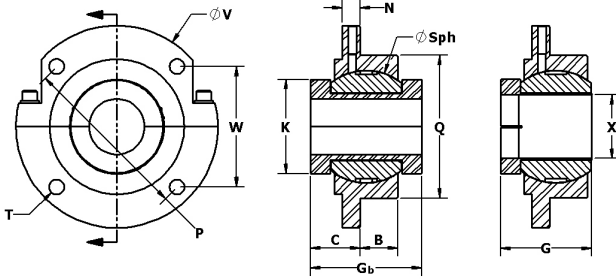
x = shaft diameter			EDT RPB Group	Stainless Assembly p/n	SS Asmly wt	Polymer Assembly p/n	KG Asmly wt	Ø Sph Poly-Sphere [®]		V	W	P	T	N	Q	Gb	G	Mounted Type E Max Load
in	mm	16th						in mm	in mm									
1-1/8 1-3/16 1-1/4	18 19 20	16th	1	QF24E1-x NA24E1-x	4	QF24G1-x NA24G1-x	1.5	2.56 65	5 127	2.91 74	4.13 104.6	3/8	0.44 11.1	3.38 85.7	2.35 59.7	2.25 57.2	2,980 13,260	
1-3/8 1-7/16	35 22 23	16th	2	QF24E2-x NA24E2-x	5	QF24G2-x NA24G2-x	2.0	2.83 72	5.25 133.4	3.1 78.7	4.38 111.3	3/8	0.5 12.7	3.63 92.1	2.6 66	2.5 63.5	4,760 21,180	
1-1/2 1-5/8 1-11/16	40 26 27	16th	3	QF24E3-x NA24E3-x	7	QF24G3-x NA24G3-x	2.5	3.35 85	6.13 155.7	3.62 91.9	5.13 130	7/16	0.5 12.7	4.25 108	2.86 72.6	2.75 69.9	6,140 27,320	
1-3/4 1-7/8 1-15/16 2	50 28 30 31 32	16th	4	QF24E4-x NA24E4-x	8	QF24G4-x NA24G4-x	3.0	3.54 90	6.38 162.1	3.8 96.4	5.38 136.4	7/16	0.56 14.3	4.5 114.3	3.03 77	2.88 73.2	8,070 35,908	
2-3/16	55 35	16th	5	QF24E5-x NA24E5-x	11	QF24G5-x NA24G5-x	4.5	3.94 100	7.13 181.1	4.24 107.7	6 152.4	1/2	0.56 14.2	5 127	3.28 83.3	3.13 79.5	8,550 38,044	
2-1/4 2-3/8 2-7/16 2-1/2	60 38 39 40	16th	6	QF24E6-x NA24E6-x	13	QF24G6-x NA24G6-x	5.5	4.72 120	7.63 193.8	4.6 116.7	6.5 165.1	1/2	0.63 15.9	5.5 139.7	3.43 87.1	3.25 82.6	9,090 40,447	
2-11/16 2-3/4 2-15/16 3	70 43 44 47 48	16th	7	QF24E7-x NA24E7-x	22	QF24G7-x NA24G7-x	8.5	4.92 125	8.75 222.3	5.3 134.7	7.5 190.5	5/8	0.75 19.1	6.38 161.9	3.93 99.8	3.75 95.3	9,600 42,716	
3-3/16 3-1/4 3-7/16 3-1/2	80 51 52 55 56	16th	8	QF24E8-x NA24E8-x	32	QF24G8-x NA24G8-x	10.5	5.71 145	10.25 260.4	6.09 154.8	8.63 218.9	3/4	0.88 23.8	7.38 187.3	4.43 112.5	4.25 108	15,300 68,078	
3-11/16 3-15/16 4	100 63 64	16th	9	QF24E9-x NA24E9-x		QF24G9-x NA24G9-x	--	6.89 175	10.87 276.1	6.62 168.3	9.38 238	3/4	1.00 0.94	8.13 206.2	5.7 144.8	5.5 139.7	21,000 93,400	
4-7/16 4-1/2	110 71 72	16th	10	QF24E10-x † NA24E10-x †		QF24G10-x NA24G10-x	--	7.68 195	13.5 342.9	8.31 211	11.75 298.5	3/4 †	1.00 †	10.25 260.4	6.2 157.5	6 152.4	25,800 114,780	
4-15/16 5	110 79 80	16th	11	QF24E11-x † NA24E11-x †	100	QF24G11-x NA24G11-x	--	8.35 212	14.75 374.7	9.01 229	12.75 323.9	7/8 †	1.25 † 31.8 †	11 279.4	6.96 176.8	6.5 165.1	35,500 157,950	

† 6-bolt holes on Group 10 & 11 piloted flanges

**EDT Type E housings are designed to mate with Poly-Sphere[®] inserts.
EDT Type E housing can be manufactured to accept some brands of
standard tapered roller bearings. Call for custom quotation.**

RFP Solution® Split Piloted 4-Bolt

QF or NA Poly-Sphere® bearing depending on application

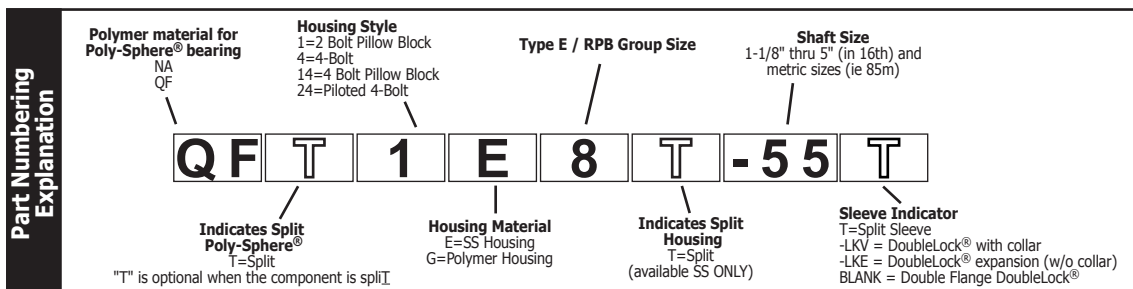


Sample p/n QFT24E8T-55T

Note: You must use a split Poly-Sphere® with a split sleeve

x = shaft diameter		EDT RPB Group	Stainless Housing p/n	SS Housing wt	Ø Sph Poly-Sphere®	V	W	†P	T	N	Q	G	Gc	Mounted Type E Max Load
in	mm	16th	Split	lbs	in mm	in mm	in mm	in mm	Bolt Size	in mm	in mm	in mm	in mm	lbs newton
1-1/8	18	1	QF24E1T-x NA24E1T-x	3	2.56 65	5 127	2.91 74	4.12 104.6	3/8	.44 11.1	3.38 85.7	2.25 57.2	2.8 71.1	2,980 13,260
1-3/16	19	2	QF24E2T-x NA24E2T-x	3.7	2.83 72	5.25 133.4	3.1 78.7	4.38 111.3	3/8	0.5 12.7	3.63 92.1	2.5 63.5	3 76.2	4,760 21,180
1-1/2	24	3	QF24E3T-x NA24E3T-x	5.1	3.35 85	6.13 155.7	3.62 91.9	5.12 130	7/16	0.5 12.7	4.25 108	2.75 69.9	3.4 86.4	6,140 27,320
1-3/4	28	4	QF24E4T-x NA24E4T-x	6.1	3.54 90	6.38 162.1	3.8 96.4	5.37 136.4	7/16	0.56 14.3	4.5 114.3	2.88 73.2	3.5 88.9	8,070 35,908
1-7/8	30	5	QF24E5T-x NA24E5T-x	8.1	3.94 100	7.13 181.1	4.24 107.7	6 152.4	1/2	0.56 14.2	5 127	3.13 79.5	3.5 88.9	8,550 38,044
1-1/4	20	65	QF24E6T-x NA24E6T-x	9.3	4.72 120	7.63 193.8	4.6 116.7	6.5 165.1	1/2	0.63 15.9	5.5 139.7	3.25 82.6	4 101.6	9,090 40,447
1-7/16	23	72	QF24E7T-x NA24E7T-x	15.8	4.92 125	8.75 222.3	5.3 134.7	7.5 190.5	5/8	0.75 19.1	6.38 161.9	3.75 95.3	4.5 114.3	9,600 42,716
1-1/2	24	85	QF24E8T-x NA24E8T-x	24.7	5.71 145	10.25 260.4	6.09 154.8	8.62 218.9	3/4	0.94 23.8	7.38 187.3	4.25 108	5.0 127	15,300 68,078
1-5/8	26	85	QF24E9T-x NA24E9T-x	9	6.89 175	10.87 276.1	6.62 168.3	9.37 238	3/4	---	8.12 206.2	5.5 139.7	6.3 160	21,000 93,400
1-11/16	27	90	QF24E10T-x NA24E10T-x	85	7.68 195	13.5 342.9	8.31 211	11.75 298.5	3/4 †	---	10.25 260.4	6 152.4	6.8 172.7	25,800 114,780
2	32	100	QF24E11T-x NA24E11T-x	85	8.35 212	14.75 374.7	9.01 229	12.75 323.9	7/8 †	1.25 31.8	11 279.4	6.5 165.1	7.3 185.4	35,500 157,950

† Note: The EDT RPB Group 10 & 11 are designed with 6 bolt holes





COMPARE THE COSTS OF OWNERSHIP OF
EDT Type E Solution® 4-Bolt
 ON FOOD PROCESSING RIBBON BLENDER

EDT bearings save money, time, and labor!

Cost of original bearing

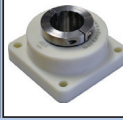
Based on standard Type E lasting 16 weeks and then replace complete unit



1st Year	
Cost to purchase bearing F4BE207	\$583.00
Cost to initially install bearing	
Labor: \$35/hr x 1/2 hour	\$17.50
Cost of bearing and installation	\$600.50
Bearing change-outs per year: 52 weeks divided by average 16 week life	$\frac{52}{16} = 3.25$
Cost of bearing	\$1,801.50
Cost of lubricant: Lubriplate® LFG 1 oz/application at 30¢/ounce	\$0.30
Labor: 58¢ per minute x 2 minutes	\$1.16
PM frequency: 3 times/week x 52 weeks	\$156.00
	\$227.76
Total 1 year bearing cost	\$2,029.26
x 2 bearings per machine	$\times 2$
One year cost of bearings per machine	\$4,058.52

Cost of EDT Type E Solution®

Based on Type E Solution® Poly-Sphere® lasting 2 years rotate insert after 12 months and reuse other components multiple times



1st Year	
Cost to purchase EDT bearing NA4G6-39	\$1,600.00
Cost to initially install bearing	
Labor: \$35/hr x 1/2 hour	\$17.50
Cost of each bearing with installation	\$1,617.50
Bearing change-outs per year	x 1
1 year cost to buy/install bearings	\$1,617.50
Cost of lubricant:	
EDT Poly-Sphere® bearing is grease-less and non-rusting so eliminates process contamination	\$0.00
Total 1 year bearing cost	\$1,617.50
x 2 bearings per machine	$\times 2$
One year cost of bearings per machine	\$3,235.00



EDT Type E runs clean and won't contaminate



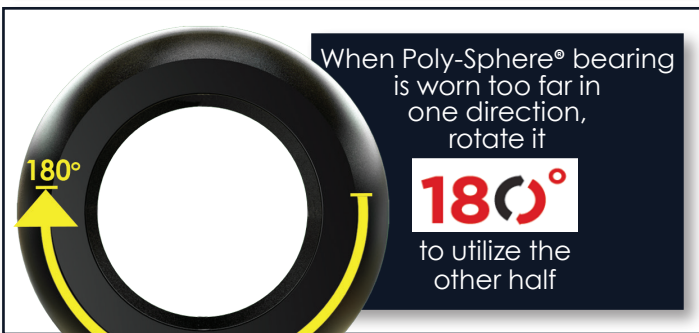
No rust! No grease!

Machine's 1 year cost with original bearings	\$4,058.52	<i>One year savings with EDT bearings!</i>
versus 1 year cost with EDT bearings	\$3,235.00	
First Year Savings	\$823.52	x 1 Blender per facility \$823.52

2nd Year	
Continue same costs as 1st year	
One year machine cost with original bearings (This includes change-out labor plus lubrication 3 times per week)	\$4,058.52
2nd year cost of bearings per blender	\$4,058.52
Total 2 year cost of bearings on 1 blender	\$8,117.04
When bearing is worn too far in one direction, rotate insert 180° to utilize other half of sphere	
Poly-Sphere® NAOU060-RPB (\$480 replacement)	\$0.00
Labor to rotate insert: \$35/hour x 1/2 hour	\$17.50
2nd year cost of bearings per blender	\$17.50
Total 2 year cost of bearings on 1 blender	\$3,252.50

Machine's 2 year costs with original bearings	\$8,117.04	<i>Savings over 2 years using EDT bearings!</i>
versus 2 year costs with EDT bearings	\$3,252.50	
Savings per blender	\$4,864.54	x 1 Blender per facility

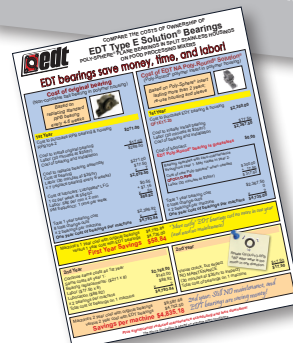
Plus significantly reduced maintenance scheduling and less downtime!
 The above illustration is based on average plant conditions.
 Individual results can vary based on installation and maintenance practices, and environmental conditions.



Bearings For Severe Service Environments

Ask EDT for bearing selection assistance by completing a **Bearing Design Checklist**

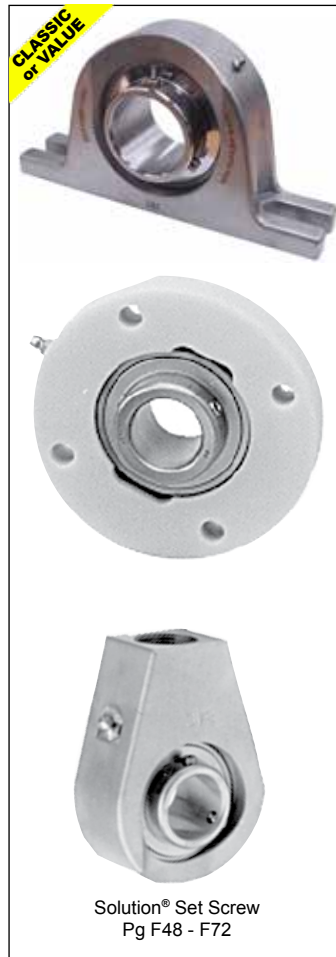
edtcp.com/docs/bearing-design-checklist.pdf
 Bookmark it!



For a Cost of Ownership analysis of your application, contact an EDT sales representative today



Stainless Ball Bearing Solution®



Ball bearings for severe service environments Inserts only or mounted units

Insert bearings made of 440-stainless steel (or other materials as appropriate)

- Eccentric lock, wide inner ring in the most popular shaft sizes
- Set-screw lock, wide inner ring in almost every shaft size
- 'ER' bearings (cylindrical OD with snap ring): 5/8" to 1-1/2"
- Choose food grade grease or various solid lubricants
- Stainless in shafts from 1/2" to 3" and metric
- EDT Solution® bearing housings (stainless or polymer) are USDA-accepted, and ideal for HACCP/ HARPC programs



We recommend ball bearings for the following applications:

- High speed devices (i.e. fans, pumps, table top conveyors)
- High tension (i.e. flat belt conveyors, v-belt drives, round/urethane belts, curved conveyors)
- Overhung loads (i.e. shaft mounted gear reducers)
- Trunnions



Grease-Free with Solid Lubricants

When bearings operate in severe service environments that compromise grease, and the application is not appropriate for a plane bearing, solid lubricant may be a good alternative. EDT solid lubricants can extend the life of ball bearings in areas where lubrication issues exist. Solid lube bearings:

- Are lubricated for life
- Are more resistant to washout than greased bearings
- Do not require re-greasing
- Keep contamination out because they are 100% filled

Two Solid Lubricant Options

EPL: EDT Polymer Lubricants

How EDT Polymer Lubricants work

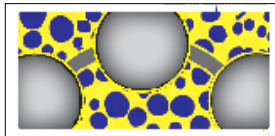
EPL's micro-porous structure traps oil throughout its entire mass and slowly delivers lubrication to the bearing as needed. As the bearing rotates and the rolling element track warms, oil is released from the interconnected micro pores of the solid polymer to lubricate the bearing. When the bearing slows and cools, the oil is again retained in the matrix through surface tension.



EPL formulas contain 50% to 80% oil by weight, which is 2 to 5 times more oil than standard grease. The oil-permeated solid polymer also fills and seals the open space of the bearing to block out contaminants that lead to early bearing failure.

Advantages of solid polymer lubricants

- Eliminate need for re-lubrication
- Consistently deliver the right amount of lubrication
- Resist contamination
- Stand up to harsh applications and wash downs
- Dramatically improve cleanliness



EGL: EDT Graphite Lubricants

How EDT Graphite Lubricants work

EGL lubricants are composites of natural graphite with fiber filler in organic binders. The resulting lubricant is black due to the graphite. The atomic structure of carbon makes graphite chemically inert to almost all compounds, including acids, alkalis and organic solvents. It is less resistant to oxidizing chemicals such as peroxides, chlorates, perchlorates, nitrates, and permanganates.



EGL uses almost 100% of the space between the races; when bearing moves, graphite is deposited on every surface, preventing metal-to-metal contact and yielding a very low-friction bearing.

Advantages of graphite lubricants

- Eliminate need for re-lubrication
- Consistently deliver the right amount of lubrication
- Resist contamination (hard matrix is more abrasive-resistant than polymers)
- Stand up to harsh applications and wash downs
- Dramatically improve cleanliness

EDT Solid Lubricants

EDT Solid Lube PN Indicator	Food-Grade Solid Lubricant Type	'Food grade' lubricants are rated H-1 (incidental food contact)	Color	Operating Temperature
F	EPL	Food grade oil-permeated polymer solid lube utilizing high performance synthetic lubricants. Formulated to withstand and inhibit corrosion in most food-processing environments that involve moisture and wash-down, performs equally well in similar industrial applications. Low temp to -55°F (-48°C).	white	-55°F to 200°F (-48°C to 93°C)
B	EPL	Food grade oil-permeated polymer solid lube utilizing high performance synthetic lubricants. Same kinds of food-processing and industrial applications as F lube (withstand moisture, corrosion inhibitors) with low temp to -65°F (-54°C)	white	-65°F to 200°F (-54°C to 93°C)
K	EPL	Food grade oil-permeated polymer solid lube utilizing high performance synthetic lubricants. Moisture resistance and corrosion inhibitors like F lube, with the ability to operate in high temps to 350°F (176°C)	white	-25°F to 350°F (-32°C to 176°C)
C	EPL	Food grade oil-permeated polymer solid lubricant utilizing high performance synthetic lubricants. Designed to resist moisture, with more aggressive resistance to cleaners including strong oxidizers (elements that are high pH.) High temp stability to 350°F (176°C)	white	-33°F to 350°F (-36°C to 176°C)
W	EGL	Food grade graphite-based solid lube resistance to most chemicals (wide pH range, except extreme pH.) Unaffected by moisture, radiation and UV resistant. Wide temperature range -150°F to 250°F. Low friction. Inert nature of graphite can be useful in wide range of applications. EGL is brittle and impact may accelerate loss of the lube. Vacuum grade available: WV.	black	-150°F to 250°F (-101°C to 121°C)
M	EGL	Food grade graphite based solid lubricant designed to operate within the range of most high temperature processing applications, from 250°F to 450°F including submerged in oil & other liquids, in ovens and fryers. UV- and radiation-resistant. Low friction. Hardness of lube can be advantageous with abrasion. EGLs are brittle, M is more brittle than W. Vacuum grade available: MV.	black	250°F to 450°F (121°C to 232°C)
T	EGL	Food grade graphite based solid lubricant designed to operate within the range of industrial- and some food- processing applications, from 450°F to 650°F; intermittently to 900°F is feasible. Abrasion-, radiation- and UV- resistant. Low friction. EGLs are brittle, T more brittle than M. Vacuum grade available: TV.	black	450°F to 650°F (232°C to 343°C)

Note: solid lubricants reduce the maximum speed and load capacity of bearings

EDT Ball Bearing Part Numbering System

Ball Bearing Material		Ball Bearing Style		Bearing or Housing Size		Modifier		Shaft	Lubricant* <small>See EDT Solid Lubricants chart on pg F-2</small>		Modifier	
4	400 stainless	Y	Set screw (Classic)	Examples:		Blank	Bearing only (not assembly)	Size in 16 ^{ths}	G	Food grade grease: Mobilgrease FM222 Freezer to oven	X	Standard
3	300 stainless	U	Wide eccentric (Choice)	205	Ring size				F	Food grade EPL -55°F to 200°F / -48°C to 93°C	Z	Shield
5	NC steel	E	Narrow eccentric	1GE	Housing group	8	Mounted ball bearing in housing		B	Food grade EPL -65°F to 200°F / -54°C to 93°C	O	Open
6	52100 steel	0	Unmounted	Details in charts below								K
7	Alloy	F	Flanged unmounted									
		B	Set screw (Value)									

*Lubricants listed as food grade are designated H1

EPL: EDT polymer solid lubricant
EGL: EDT graphite solid lubricant

Housing Shape / Profile Indicators

Indicators	Housing styles
1	Pillow block
2	2-Bolt flange
3	3-Bolt, extension
4	4-Bolt
5	Take-up, narrow
6	2-Bolt flange, small bolt pattern
7	Take-up, wide
8	Hanger
9	Tapped base pillow block
10	Pillow block, low backing height
22	3-Bolt, triangular
23	3-Bolt, extension, smaller profile
24	4-Bolt, piloted
32	3-Bolt, round

Housing Material Indicators

Indicators	Housing material
G	Polymer; EDT "KG"
A	Stainless 304/316
F	Cast iron
P	Cast stainless
E	Type E stainless

Group / Size Indicators

Ball Bearing Ring Size	Spherical Size: Ball Bearing OD Housing ID	EDT Group Size
201, 202, 203	1.575" / 40mm	A
204	1.850" / 47mm	B
205	2.047" / 52mm	C
206	2.441" / 62mm	D
207	2.835" / 72mm	E
208	3.150" / 80mm	F
209	3.346" / 85mm	G
210	3.543" / 90mm	H
211	3.937" / 100mm	I
212	4.331" / 110mm	J
214	4.921" / 125mm	K
215	5.128" / 130mm	L

Additional Sizes (not available in SS)

Ring Size	Spherical OD	EDT Group Size
213	4.724" / 120mm	Z
216	5.511" / 140mm	M
217	5.905" / 150mm	N
218	6.299" / 160mm	O
219	6.693" / 170mm	P
220	7.480" / 190mm	Q
221	7.874" / 200mm	R



Stainless Steel Insert Bearings - Technical Data

Materials of EDT Stainless Steel Insert Bearings	
Available styles	Set screw (Y or B), eccentric (U)
Races and balls	440C SS
Retainer (cage), flingers	300-series SS
Collar	300-series SS (U)
Seals - single lip	Silicon rubber (Y or U) -60°F to 400°F / -51°C to 204°C Buna-N (B) -30°F to 250°F / -34°C to 121°C
Grade of balls	G16
Set screws	300-series SS (at 120°)
Grease	FM221 (FM222-B) food grade grease or EPL or EGL (refer to page F-2)

Speed and Load Capacity of Insert Bearings			
	Speed	Load lbf	
Ring	RPM	Static Load	Dynamic
204	4835	1190	2435
205	4610	1425	2650
206	4050	2040	3720
207	3690	2751	4900
208	3240	3240	5595
209	3015	3580	6250
210	2700	4190	6770
211	2250	5387	8165
212	1950	6590	9980
214	1680	7210	10860
215	1450	8220	11420

Bearing Internal Clearances	
EDT stainless steel ball bearings are made to the Normal or 'CN' (Class Normal) standard for fit and tolerancing of insert (mounted) bearings.	
Normal fit in combination with typical 440C martensitic stainless steel material and associated heat treating, indicate EDT bearings meet the speed and load ratings standard with all bearings in this class. Refer to chart.	
Operational parameters: if any of these...	Bearing Internal Clearance
Low to no load Low speed Temperature: Cryogenic to room temperature Requirement for fairly close tolerance No preload	C2
Moderate load Low to medium speed Temperature: Freezing to boiling Low torque Light preload Slight interference fit on either I.D. or O.D.	CN (Class Normal)
High load High temperature: Room temperature to 650°F Very low torque Preloaded Significant interference fit	C3, C4, C5
<i>The life of all bearings will vary according to their environment, speed, and load, as well as the lubrication that is specified.</i>	
<i>EDT bearings are designed for middle market applications such as conveyors, packaging machines, food processing equipment, machinery, and general fans. They are not designed for devices such as very high speed fans, high speed spindles, or precision equipment. For applications with these conditions, please contact our technical sales staff for possible custom products.</i>	



Seals

EDT ball bearings are configured with single lip seals on each side of the retainers. Insert bearings typically are covered by 302 stainless flanges.

Shaft size tolerances required for insert bearings		
Shaft size	Ball bearing insert* (Y+B)	Ball bearing insert* (U)
1/2" to 1-15/16"	nominal to -.0006" no plus	nominal to -.0006" no plus
2" to 3-1/8"	nominal to -.0007" no plus	nominal to -.0007" no plus
3-1/4" to 4-1/2"	nominal to -.0009" no plus	nominal to -.0009" no plus

- The fit between the shaft and the bearing must be on the low end of the tolerance in order to be able to reach the maximum capacities of a bearing.
- For heavy loads, there should also be a close fit between ball bearing and the shaft. For heavy loads where there is NOT high speed, consider plane bearings, like EDT Poly-Round®.
- TGP (Turned, Ground and Polished) shafting is recommended for applications with higher operating speeds.

Tightening torque limits of stainless set screws			
On set screw locking bearings			
203-206 ring A-D	207-209 ring E-G	210-212 ring H-J	214-215 ring L-M
29 inch-pounds	60 inch-pounds	110 inch-pounds	~170 inch-pounds
*An alternative to set screw locking is eccentric locking ball bearings. Eccentric style is a more positive locking system than set screws. Eccentric bearings are not for reversing installations.			
On eccentric locking bearings			
203-205 ring A-C	206-210 ring D-H	211-215 ring I-L	216-220 ring M-P
35 inch-pounds	74 inch-pounds	~155 inch-pounds	~245 inch-pounds
<i>When mounting bearing insert onto shaft, torque pressure for inner race set screws should not exceed these limits.</i>			

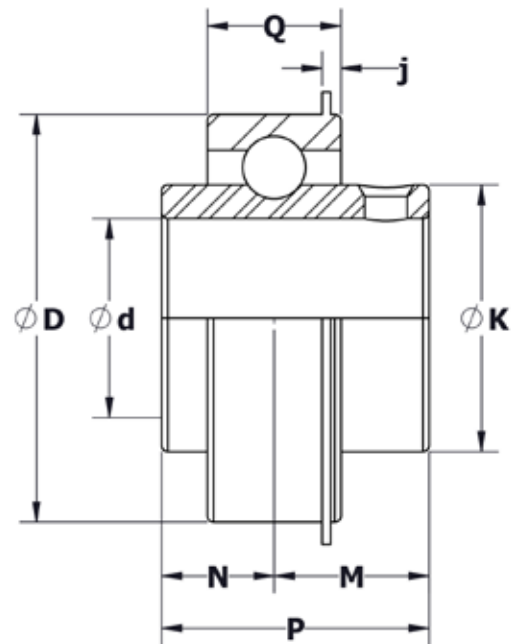
Materials of EDT Steel Insert Bearings	
Some applications do not need the non-corrosive properties of stainless steel. Steel bearings have 2 times the speed and load capacity of stainless ball bearings (style 6).	
Available styles	Set screw (Y), Eccentric (U)
Races and balls	52100 steel
Retainer (cage), flingers	#8 steel
Seals - single lip	Buna-N with steel backing -30°F to 250°F / -34°C to 121°C
Set screws, anti-rotation pins, rivets	#45 steel
Grease	Industrial grease or EPL or EGL

Idle Bearing Maintenance Recommendations by EDT
Refer to Technical Update 6-1-2015, EDT product catalog page T-27: "Maintenance Recommendation for Extended Idle Bearing Conditions"



ER Style Ball Bearing

ER style set screw stainless ball bearing Series "4Y"



Materials of EDT Stainless Steel ER Bearings	
Available styles	Set screw (Y)
Races and balls	440C SS
Retainer (cage), flinger	300-series SS
Seals	Silicon rubber (single lip)
Set screws (at 120°)	300-series SS
Grade of balls	G16
Snap Ring	300 series stainless or Nickel-plated

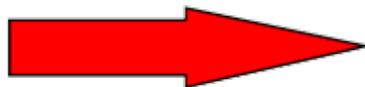


"x" indicates a 2-letter designation for lube & seals

PART NUMBER	ER Interchange	Ød	ØD	ØK	j	M	N	P	Q	2 ea ss set screw	Wt.
		Shaft Diameter	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm		lbs.
4YER204-10 X 4YER204-12 X 4YER204-20M X	ER-10 ER-12 ER-204	5/8" 3/4" 20mm	1.850 47.0	1.14 29.0	0.09 2.4	0.81 20.7	0.41 10.3	1.22 31.0	0.63 15.9	1/4-28	0.46
4YER205-25M X 4YER205-16 X	ER-205 ER-16	25mm 1"	2.047 52.0	1.34 34.0	0.09 2.4	0.86 21.8	0.52 13.1	1.38 34.9	0.75 19.1	1/4-28	0.60
4YER206-19 X	ER-19	1-3/16"	2.441 62.0	1.60 40.6	0.13 3.2	0.88 22.2	0.63 15.9	1.50 38.1	0.88 22.2	1/4-28	0.80
4YER207-20 X	ER-20	1-1/4"	2.835 72.0	1.87 47.4	0.13 3.2	1.00 25.4	0.69 17.5	1.69 42.9	0.94 23.8	5/16-24	1.20
4YER208-24 X	ER-24	1-1/2"	3.150 80.0	2.08 52.7	0.13 3.2	1.19 30.1	0.75 19.1	1.94 49.2	1.09 27.8	5/16-24	1.54

X indicates a 2-letter designation for lube & seals
 G = food grade grease X = standard configuration
 F = food grade EPL O = open (no seal or flinger)
 Other alpha - refer to page 3 Others - refer to page 3
 Example: GX = food grade grease with standard seals & flingers

**BALL BEARING
INSERTS
CONTINUE ON
PAGE 7**

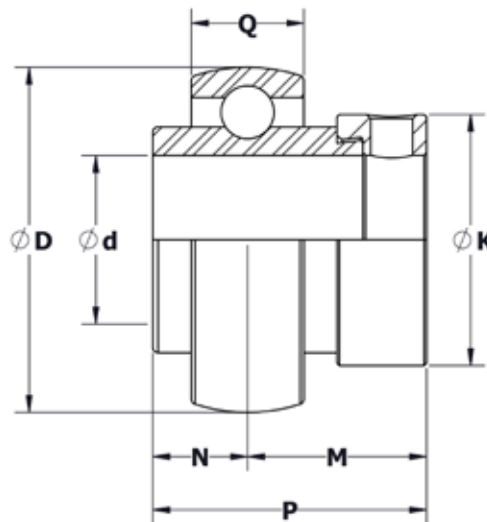


Eccentric Style Ball Bearing Insert - CHOICE SERIES



Series "4U"

Available as insert only or assembled in housing



Materials of EDT Stainless Steel Insert Bearings	
Available styles	Eccentric (U)
Races and balls	440C SS
Retainer (cage), flinger	300-series SS
Collar	300-series SS
Seals	Silicon rubber (single lip)
Grade of balls	G16
Grease	Food-grade grease or solid lubricant with seals and flingers as appropriate



More Sizes / Styles

Inserts pgs F-5 to F-9
 Eccentric inserts in SS or KG: pgs F-10 to F-34
 QuiKlean® eccentric: pgs F-34 to F-47
 Set screw inserts in SS or KG: pgs F-48 to F-72
 QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation for lube & seals

PART NUMBER	Ød	ØD	ØK	M	N	P	Q	1 ea ss set screw	Wt.
	Shaft Diameter	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm		lbs.
4U203-08 X 4U203-10 X	1/2" 5/8"	1.575 40	1.13 28.6	0.91 23.1	0.39 10.0	1.30 33.1	0.59 15.0	10-32	0.29
4U204-10 X 4U204-12 X 4U204-20M X	5/8" 3/4" 20mm	1.850 47	1.31 33.3	1.05 26.6	0.5 12.7	1.55 39.3	0.67 17.0	1/4-28	0.42
4U205-25M X 4U205-16 X	25mm 1"	2.047 52	1.50 38.1	1.06 26.9	0.56 14.3	1.62 41.2	0.67 17.0	1/4-28	0.50
4U206-30M X 4U206-19 X 4U206-20 X	30mm 1-3/16" 1-1/4"	2.441 62	1.75 44.5	1.19 30.1	0.63 15.9	1.81 46.0	0.75 19.0	5/16-24	0.80
4U207-20 X 4U207-22 X 4U207-23 X	1-1/4" 1-3/8" 1-7/16"	2.835 72	2.19 55.6	1.27 32.3	0.69 17.5	1.96 49.8	0.79 20.0	5/16-24	1.28
4U208-24 X 4U208-40M X	1-1/2" 40mm	3.150 80	2.37 60.3	1.37 34.9	0.75 19.0	2.12 53.9	0.87 22.0	5/16-24	1.71
4U209-28 X	1-3/4"	3.346 85	2.50 63.5	1.37 34.9	0.75 19.0	2.12 53.9	0.87 22.0	5/16-24	1.70
4U210-31 X 4U210-50M X 4U210-32 X	1-15/16" 50mm 2"	3.543 90	2.75 69.9	1.50 38.1	0.75 19.0	2.25 57.1	0.95 24.0	5/16-24	1.94
4U211-32 X 4U211-35 X	2" 2-3/16"	3.937 100	3.00 76.2	1.72 43.6	0.87 22.2	2.59 65.8	0.98 25.0	3/8-24	3.07
4U212-39 X	2-7/16"	4.331 110	3.32 84.2	1.84 46.8	1.00 25.4	2.84 72.2	1.06 27.0	3/8-24	3.51
4U214-44 X	2-3/4"	4.921 125	4.02 102.0	1.94 49.2	1.19 30.2	3.13 79.4	1.14 29.0	3/8-24	4.91
4U215-47 X 4U215-75M X 4U215-48 X	2-15/16" 75mm 3"	5.118 130	4.02 102.0	2.15 54.6	1.31 33.3	3.46 87.9	1.26 32.0	3/8-24	5.75

X indicates a 2-letter designation for lube & seals
 G = food grade grease X = standard configuration
 F = food grade EPL O = open (no seal or flinger)
 Other alpha - refer to page 3 Others - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



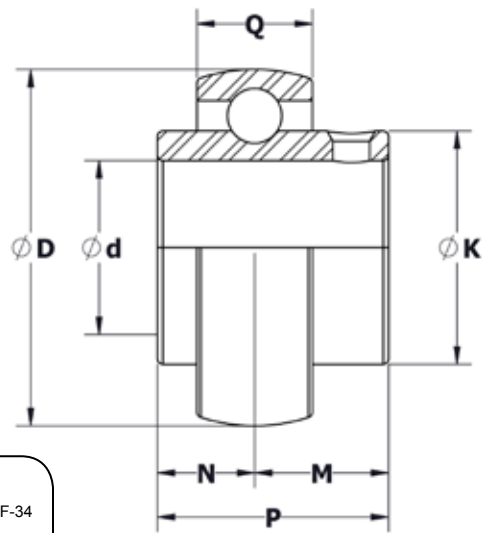
Set Screw Style Ball Bearing - CLASSIC SERIES

CLASSIC

Series "4Y"

Available as insert only or assembled in housing

Materials of EDT Stainless Steel Insert Bearings	
Available styles	Set screw (Y)
Races and balls	440C SS
Retainer (cage), flinger	300-series SS
Seals	Silicon rubber (single lip)
Set screws (at 120°)	300-series SS
Grade of balls	G16
Grease	Food-grade grease or solid lubricant with seals and flingers as appropriate



"x" indicates a 2-letter designation for lube & seals

More Sizes / Styles
 Inserts pgs F-5 to F-9
 Eccentric inserts in SS or KG: pgs F-10 to F-34
 QuiKlean® eccentric: pgs F-34 to F-47
 Set screw inserts in SS or KG: pgs F-48 to F-72
 QuiKlean® set screw: pgs F-72 to F-85

Part #	Ød	ØD	ØK	M	N	P	Q	2 ea ss set screw	Wt.
	Shaft Diameter	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm		lbs.
4Y203-12M X 4Y203-08 X 4Y203-09 X 4Y203-15M X 4Y203-10 X 4Y203-17M X	12mm 1/2" 9/16" 15mm 5/8" 17mm	1.575 40	0.97 24.6	0.61 15.5	0.41 10.5	1.02 26.0	0.59 15.0	10-24	0.22
4Y204-12M X 4Y204-08 X 4Y204-15M X 4Y204-10 X 4Y204-17M X 4Y204-11 X 4Y204-12 X 4Y204-20M X	12mm 1/2" 15mm 5/8" 17mm 11/16" 3/4" 20mm	1.850 47	1.14 29.0	0.72 18.3	0.50 12.7	1.22 31.0	0.63 16.0	1/4-28	0.35
4Y205-12 X 4Y205-14 X 4Y205-15 X 4Y205-25M X 4Y205-16 X	3/4" 7/8" 15/16" 25mm 1"	2.047 52	1.34 34.0	0.78 19.7	0.56 14.3	1.34 34.0	0.67 17.0	1/4-28	0.40
4Y206-16 X 4Y206-17 X 4Y206-18 X 4Y206-30M X 4Y206-19 X 4Y206-20 X	1" 1-1/16" 1-1/8" 30mm 1-3/16" 1-1/4"	2.441 62	1.59 40.5	0.87 22.2	0.63 15.9	1.50 38.1	0.75 19.0	5/16-24	0.67
4Y207-19 X 4Y207-20 X 4Y207-21 X 4Y207-22 X 4Y207-35M X 4Y207-23 X	1-3/16" 1-1/4" 1-5/16" 1-3/8" 35mm 1-7/16"	2.835 72	1.84 46.8	1.00 25.4	0.69 17.5	1.69 42.9	0.79 20.0	5/16-24	1.10
4Y208-23 X 4Y208-24 X 4Y208-40M X	1-7/16" 1-1/2" 40mm	3.150 80	2.08 52.8	1.19 30.2	0.75 19.0	1.94 49.2	0.83 21.0	5/16-24	1.41
4Y209-24 X 4Y209-26 X 4Y209-27 X 4Y209-28 X 4Y209-45M X	1-1/2" 1-5/8" 1-11/16" 1-3/4" 45mm	3.346 85	2.31 58.6	1.19 30.2	0.75 19.0	1.94 49.2	0.87 22.0	5/16-24	1.48
4Y210-28 X 4Y210-30 X 4Y210-31 X 4Y210-50M X 4Y210-32 X	1-3/4" 1-7/8" 1-15/16" 50mm 2"	3.543 90	2.45 62.2	1.28 32.6	0.75 19.0	2.03 51.6	0.91 23.0	5/16-24	1.68
4Y211-32 X 4Y211-55M X 4Y211-35 X 4Y211-36 X	2" 55mm 2-3/16" 2-1/4"	3.937 100	2.76 70.0	1.32 33.4	0.87 22.2	2.19 55.6	0.95 24.0	3/8-24	2.2
4Y212-36 X 4Y212-60M X 4Y212-39 X	2-1/4" 60mm 2-7/16"	4.331 110	3.03 77.0	1.56 39.7	1.00 25.4	2.56 65.1	1.02 26.0	3/8-24	3.0
4Y214-39 X 4Y214-40 X 4Y214-70M X 4Y214-44 X	2-7/16" 2-1/2" 70mm 2-3/4"	4.921 125	3.43 87.0	1.75 44.4	1.19 30.2	2.94 74.6	1.14 29.0	7/16-20	4.3
4Y215-40 X 4Y215-43 X 4Y215-44 X 4Y215-45 X 4Y215-47 X 4Y215-75M X 4Y215-48 X	2-1/2" 2-11/16" 2-3/4" 2-13/16" 2-15/16" 75mm 3"	5.118 130	3.60 91.5	1.75 44.5	1.31 33.3	3.06 77.8	1.18 30.0	1/2-20	4.4

X indicates a 2-letter designation for lube & seals
 G = food grade grease X = standard configuration
 F = food grade EPL O = open (no seal or flinger)
 Other alpha - refer to page 3 Others - refer to page 3
 Example: GX = food grade grease with standard seals & flingers

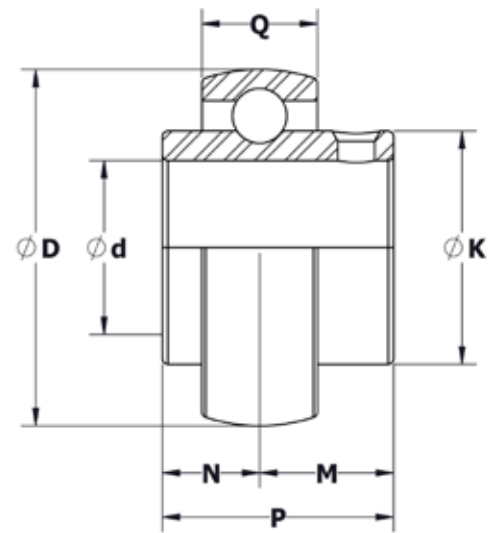


Set Screw Style Ball Bearing - VALUE SERIES



Series "4B"

Available as insert only or assembled in housing



Materials of EDT Stainless Steel Insert Bearings	
Available styles	Set screw (B)
Races and balls	440C SS
Retainer (cage), flinger	300-series SS
Seals	Buna-N
Set screws (at 120°)	300-series SS
Grade of balls	G16
Grease	Food-grade grease or solid lubricant that is flush-filled ("open")



More Sizes / Styles

Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation for lube & seals

Part #	Ød	ØD	ØK	M	N	P	Q	2 ea ss set screw	Wt.
	Shaft Diameter	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm		lbs.
4B204-12 X 4B204-20M X	12mm 20mm	1.850 47	1.14 29.0	0.72 18.3	0.50 12.7	1.22 31.0	0.63 16.0	1/4-28	0.35
4B205-25M 6 X 4B205-16 6 X	25mm 1"	2.047 52	1.34 34.0	0.78 19.7	0.56 14.3	1.34 34.0	0.67 17.0	1/4-28	0.40
4B206-30M X 4B206-19 X 4B206-20 X	30mm 1-3/16" 1-1/4"	2.441 62	1.59 40.5	0.87 22.2	0.63 15.9	1.50 38.1	0.75 19.0	5/16-24	0.67
4B207-20 X 4B207-35M X 4B207-23 X	1-3/16" 35mm 1-7/16"	2.835 72	1.84 46.8	1.00 25.4	0.69 17.5	1.69 42.9	0.79 20.0	5/16-24	1.10
4B208-24 X 4B208-40M X	1-1/2" 40mm	3.150 80	2.08 52.8	1.19 30.2	0.75 19.0	1.94 49.2	0.83 21.0	5/16-24	1.41
4B209	Available for special order	3.346 85	2.31 58.6	1.19 30.2	0.75 19.0	1.94 49.2	0.87 22.0	5/16-24	1.48
4B210	Available for special order	3.543 90	2.45 62.2	1.28 32.6	0.75 19.0	2.03 51.6	0.91 23.0	5/16-24	1.68
4B211	Available for special order	3.937 100	2.76 70.0	1.32 33.4	0.87 22.2	2.19 55.6	0.95 24.0	3/8-24	2.2
4B212	Available for special order	4.331 110	3.03 77.0	1.56 39.7	1.00 25.4	2.56 65.1	1.02 26.0	3/8-24	3.0

X indicates a 2-letter designation for lube & seals
G = food grade grease **X** = standard configuration
F = food grade EPL **O** = open (no seal or flinger)
Other alpha - refer to page 3 **Others** - refer to page 3
 Example: GX = food grade grease with standard seals & flingers

ECCENTRIC BALL BEARINGS BEGIN ON PAGE 10



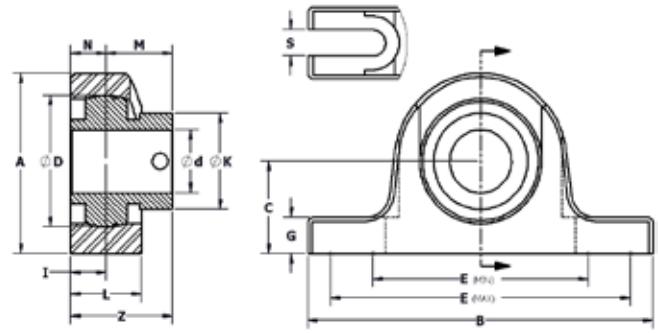
Stainless Ball Solution® Pillow Block



Eccentric lock stainless ball bearing Series "4U"
Standard backing height Series "1"
Stainless housing Series "A"



More Sizes / Styles
 Inserts pgs F-5 to F-9
 Eccentric inserts in SS or KG: pgs F-10 to F-34
 QuiKlean® eccentric: pgs F-34 to F-47
 Set screw inserts in SS or KG: pgs F-48 to F-72
 QuiKlean® set screw: pgs F-72 to F-85



"x" indicates a 2-letter designation referring to lube & seals

Stainless Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	C	E min	E max	G	L	I	Sph. depth	Bolt size	M	N	Z	Overall LTB of brg (I+M)	Brg collar size	K	Housing PN	Ball bearing PN
	mm	in	16th																				
4U1AA8-08 x 4U1AA8-10 x	1/2 5/8	8 10		1.575 40	2.13 54.1	5 127.0	1.06 26.9	2.94 74.7	4.06 103.1	0.44 11.2	1.13 28.7	0.56 14.2	3/8	0.91 23.1	0.39 9.9	1.47 37.3	1.13 28.7					1AA	4U203-08 x 4U203-10 x
4U1AB8-08 x 4U1AB8-10 x 4U1AB8-12 x 4U1AB8-20M x	1/2 5/8 3/4	8 10 12		1.850 47	2.56 65.0	5.25 133.4	1.31 33.3	3.25 82.6	4.38 111.3	0.5 12.7	1.13 28.7	0.56 14.2	3/8	1.05 26.7	0.5 12.7	1.61 40.9	1.31 33.3					1AB	4U204-08 x 4U204-10 x 4U204-12 x 4U204-20M x
4U1AC8-25M x 4U1AC8-16 x	20M 25M 1	16		2.047 52	2.81 71.4	5.5 139.7	1.44 36.6	3.44 87.4	4.63 117.6	0.56 14.2	1.13 28.7	0.56 14.2	3/8	1.06 26.9	0.56 14.2	1.62 41.1	1.5 38.1					1AC	4U205-25M x 4U205-16 x
4U1AD8-30M x 4U1AD8-19 x 4U1AD8-20 x	30M 1-3/16 1-1/4	19 20		2.441 62	3.25 82.6	6.25 158.8	1.69 42.9	4.13 104.9	5.13 130.3	0.69 17.5	1.47 37.3	0.73 18.5	1/2	1.19 30.2	0.63 16.0	1.92 48.8	1.75 44.5					1AD	4U206-30M x 4U206-19 x 4U206-20 x
4U1AE8-20 x 4U1AE8-22 x 4U1AE8-35M x 4U1AE8-23 x	35M 1-1/4 1-3/8 1-7/16	20 22 23		2.835 72	3.75 95.3	6.56 166.6	1.88 47.8	4.69 119.1	5.44 138.2	0.69 17.5	1.47 37.3	0.73 18.5	1/2	1.27 32.3	0.69 17.5	2.00 50.8	2.19 55.6					1AE	4U207-20 x 4U207-22 x 4U207-35M x 4U207-23 x
4U1AF8-24 x 4U1AF8-40M x	40M 1-1/2	24		3.150 80	4.19 106.4	7.25 184.2	2.13 54.1	5 127.0	6.13 155.7	0.75 19.1	1.63 41.4	0.81 20.6	1/2	1.37 34.8	0.75 19.1	2.18 55.4	2.37 60.2					1AF	4U208-24 x 4U208-40M x
4U1AG8-28 x	1-3/4	28		3.346 85	4.25 108.0	7.44 189.0	2.13 54.1	5.31 134.9	6.31 160.3	0.75 19.1	1.72 43.7	0.86 21.8	1/2	1.37 34.8	0.75 19.1	2.23 56.6	2.5 63.5					1AG	4U209-28 x
4U1AH8-31 x 4U1AH8-50M x 4U1AH8-32 x 4U1AI8-32 x	50M 1-15/16 2	31 32		3.543 90	4.5 114.3	8.13 206.5	2.25 57.2	5.88 149.4	6.75 171.5	0.75 19.1	1.97 50.0	0.99 25.1	5/8	1.5 38.1	0.75 19.1	2.49 63.2	2.75 69.9					1AH	4U210-31 x 4U210-50M x 4U210-32 x
4U1AI8-35 x 4U1AJ8-39 x	2-3/16 2-7/16	35 39		3.937 100	4.94 125.5	8.88 225.6	2.5 63.5	6.38 162.1	7.5 190.5	0.88 22.4	1.97 50.0	0.99 25.1	5/8	1.72 43.7	0.87 22.1	2.71 68.8	3 76.2					1AI	4U211-32 x 4U211-35 x
4U1AK8-44 x	2-3/4	44		4.331 110	5.38 136.7	9.5 241.3	2.75 69.9	6.44 163.6	8.13 206.5	0.88 22.4	1.97 50.0	0.99 25.1	5/8	1.84 46.7	1 25.4	2.83 71.9	3.32 84.3					1AJ	4U212-39 x
4U1AL8-47 x 4U1AL8-75M x 4U1AL8-48 x	75M 2-15/16 3	47 48		4.921 125	6.06 153.9	10.75 273.1	3 76.2	7.44 189.0	9.13 231.9	0.94 23.9	1.97 50.0	0.99 25.1	3/4	1.94 49.3	1.19 30.2	2.93 74.4	4.02 102.1					1AK	4U214-44 x
				5.128 130	6.75 171.5	11.75 298.5	3.5 88.9	8.25 209.6	9.75 247.7	1 25.4	2.47 62.7	1.24 31.5	7/8	2.15 54.6	1.31 33.3	3.39 86.1	4.02 102.1					1AL	4U215-47 x 4U215-75M x 4U215-48 x

X indicates a 2-letter designation for lube & seals
 G = food grade grease X = standard configuration
 F = food grade EPL O = open (no seal or flinger)
 Other alpha - refer to page 3 Others - refer to page 3
 Example: GX = food grade grease with standard seals & flingers

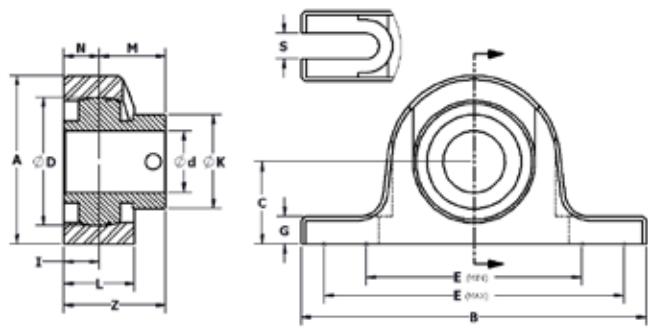
Stainless Ball Solution® Pillow Block



Eccentric lock stainless ball bearing Series "4U"
Low backing height Series "10"
Stainless housing Series "A"



More Sizes / Styles
 Inserts pgs F-5 to F-9
 Eccentric inserts in SS or KG: pgs F-10 to F-34
 QuiKlean® eccentric: pgs F-34 to F-47
 Set screw inserts in SS or KG: pgs F-48 to F-72
 QuiKlean® set screw: pgs F-72 to F-85



Stainless Housing

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size	A	B	C	E min	E max	G	L	I	S	M	N	Z	K	Housing PN	Ball bearing PN WIDE ECC
	mm	in	16th																
4U10AA8-08 x 4U10AA8-10 x	1/2 5/8	8 10		1.575 40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.91 23.1	0.39 9.9	0.0	1.13 28.7	10AA	4U203-08 x 4U203-10 x
4U10AB8-08 x 4U10AB8-10 x 4U10AB8-12 x 4U10AB8-20M x	1/2 5/8 3/4	8 10 12		1.850 47	2.5 63.5	5.25 133.4	1.25 31.8	3.25 82.6	4.38 111.3	0.44 11.2	1.13 28.7	0.56 14.2	3/8"	1.05 26.7	0.5 12.7	1.61 40.9	1.31 33.3	10AB	4U204-08 x 4U204-10 x 4U204-12 x 4U204-20M
4U10AC8-25M x 4U10AC8-16 x	25M 1	16		2.047 52	2.69 68.3	5.5 139.7	1.31 33.3	3.44 87.4	4.63 117.6	0.44 11.2	1.13 28.7	0.56 14.2	3/8"	1.06 26.9	0.56 14.2	1.62 41.1	1.5 38.1	10AC	4U205-25M x 4U205-16 x
4U10AD8-30M x 4U10AD8-19 x 4U10AD8-20 x	30M 1-3/16 1-1/4	19 20		2.441 62	3.13 79.4	6.25 158.8	1.56 39.6	4.13 104.9	5.13 130.3	0.56 14.2	1.47 37.3	0.74 18.8	1/2"	1.19 30.2	0.63 16.0	1.93 49.0	1.75 44.5	10AD	4U206-30M x 4U206-19 x 4U206-20 x
4U10AE8-20 x 4U10AE8-22 x 4U10AE8-35M x 4U10AE8-23 x	1-1/4 1-3/8	20 22		2.835 72	3.69 93.7	6.56 166.6	1.81 46.0	4.69 119.1	5.44 138.2	0.63 16.0	1.47 37.3	0.74 18.8	1/2"	1.27 32.3	0.69 17.5	2.01 51.1	2.19 55.6	10AE	4U207-20 x 4U207-22 x 4U207-35M x 4U207-23 x
4U10AF8-24 x 4U10AF8-40M x	1-1/2	24		3.150 80	4 101.6	7.25 184.2	1.94 49.3	5 127.0	6.13 155.7	0.56 14.2	1.625 41.3	0.81 20.6	1/2"	1.37 34.8	0.75 19.1	2.18 55.4	2.37 60.2	10AF	4U208-24 x 4U208-40M x
4U10AG8-28 x	1-3/4	28		3.346 85	4.19 106.4	7.44 189.0	2.06 52.3	5.31 134.9	6.31 160.3	0.69 17.5	1.72 43.7	0.86 21.8	1/2"	1.37 34.8	0.75 19.1	2.23 56.6	2.5 63.5	10AG	4U209-28 x
4U10AH8-31 x 4U10AH8-50M x 4U10AH8-32 x	1-15/16 2	31 32		3.543 90	4.44 112.8	8.13 206.5	2.19 55.6	5.88 149.4	6.75 171.5	0.69 17.5	1.97 50.0	0.99 25.1	5/8"	1.5 38.1	0.75 19.1	2.49 63.2	2.75 69.9	10AH	4U210-31 x 4U210-50M x 4U210-32 x
4U10AI8-32 x 4U10AI8-35 x	2 2-3/16	32 35		3.937 100	4.88 124.0	8.88 225.6	2.44 62.0	6.38 162.1	7.5 190.5	0.81 20.6	1.97 50.0	0.99 25.1	5/8"	1.72 43.7	0.87 22.1	2.71 68.8	3 76.2	10AI	4U211-32 x 4U211-35 x
4U10AJ8-39 x	2-7/16	39		4.331 110	5.31 134.9	9.5 241.3	2.69 68.3	6.44 163.6	8.13 206.5	0.81 20.6	1.97 50.0	0.99 25.1	5/8"	1.84 46.7	1 25.4	2.83 71.9	3.32 84.3	10AJ	4U212-39 x
4U10AK8-44 x	2-3/4	44		4.921 125	6.19 157.2	10.75 273.1	3.13 79.5	7.44 189.0	9.13 231.9	1.06 26.9	1.97 50.0	0.99 25.1	3/4"	1.94 49.3	1.19 30.2	2.93 74.4	4.02 102.1	10AK	4U214-44 x
4U10AL8-47 x 4U10AL8-75M x 4U10AL8-48 x	2-15/16 3	47 48		5.128 130	6.5 165.1	11.75 298.5	3.25 82.6	8.25 209.6	9.75 247.7	0.75 19.1	2.47 62.7	1.24 31.5	7/8"	2.15 54.6	1.31 33.3	3.39 86.1	4.02 102.1	10AL	4U215-47 x 4U215-75M x 4U215-48 x

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 G = food grade grease X = standard configuration
 F = food grade EPL O = open (no seal or flinger)
 Other alpha - refer to page 3 Others - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



Stainless Ball Solution® Tapped Base Pillow Block

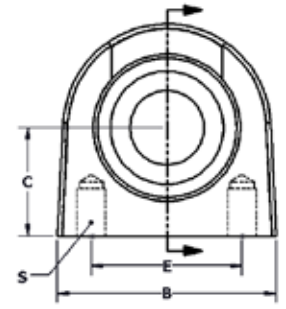
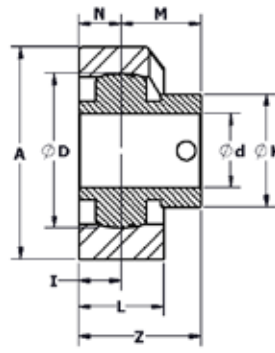


Eccentric lock stainless ball bearing Series "4U"
Tapped base housing Series "9"
Stainless housing Series "A"



More Sizes / Styles

Inserts pgs F-5 to F-9
 Eccentric inserts in SS or KG: pgs F-10 to F-34
 QuiKlean® eccentric: pgs F-34 to F-47
 Set screw inserts in SS or KG: pgs F-48 to F-72
 QuiKlean® set screw: pgs F-72 to F-85



Stainless Housing

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size	A	B	C	E	L	Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th														
4U9AA8-08 x 4U9AA8-10 x	1/2 5/8	8 10		1.575 40	2.41 61.2	2.88 73.2	1.31 33.3	2 50.8	1.13 28.7	0.56 14.2	3/8-16	0.91 23.1	0.39 9.9	1.47 37.3	1.13 28.7	9AA	4U203-08 x 4U203-10 x
4U9AB8-08 x 4U9AB8-10 x 4U9AB8-12 x 4U9AB8-20M x	1/2 5/8 3/4	8 10 12		1.850 47	2.53 64.3	2.88 73.2	1.31 33.3	2 50.8	1.13 28.7	0.56 14.2	3/8-16	1.05 26.7	0.5 12.7	1.61 40.9	1.31 33.3	9AB	4U204-08 x 4U204-10 x 4U204-12 x 4U204-20M x
4U9AC8-25M x 4U9AC8-16 x	25M 1	16		2.047 52	2.81 71.4	3 76.2	1.44 36.6	2 50.8	1.13 28.7	0.56 14.2	3/8-16	1.06 26.9	0.56 14.2	1.62 41.1	1.5 38.1	9AC	4U205-25M x 4U205-16 x
4U9AD8-30M x 4U9AD8-19 x 4U9AD8-20 x	30M 1-3/16 1-1/4	19 20		2.441 62	3.25 82.6	4 101.6	1.69 42.9	3 76.2	1.47 37.3	0.74 18.8	7/16-14	1.19 30.2	0.63 16.0	1.93 49.0	1.75 44.5	9AD	4U206-30M x 4U206-19 x 4U206-20 x
4U9AE8-20 x 4U9AE8-22 x 4U9AE8-35M x 4U9AE8-23 x	1-1/4 1-3/8	20 22		2.835 72	3.69 93.7	4.25 108.0	1.88 47.8	3.25 82.6	1.47 37.3	0.74 18.8	1/2-13	1.27 32.3	0.69 17.5	2.01 51.1	2.19 55.6	9AE	4U207-20 x 4U207-22 x 4U207-35M x 4U207-23 x
4U9AF8-24 x 4U9AF8-40M x	1-1/2	24		3.150 80	3.94 100.1	4.63 117.6	1.94 49.3	3.5 88.9	1.63 41.4	0.81 20.6	1/2-13	1.37 34.8	0.75 19.1	2.18 55.4	2.37 60.2	9AF	4U208-24 x 4U208-40M x
4U9AG8-28 x	1-3/4	28		3.346 85	4.25 108.0	5 127.0	2.125 54.0	3.75 95.3	1.72 43.7	0.86 21.8	1/2-13	1.37 34.8	0.75 19.1	2.23 56.6	2.5 63.5	9AG	4U209-28 x
4U9AH8-31 x 4U9AH8-50M x 4U9AH8-32 x 4U9AI8-32 x	1-15/16 2	31 32		3.543 90	4.5 114.3	5.5 139.7	2.25 57.2	4 101.6	1.97 50.0	0.99 25.1	5/8-11	1.5 38.1	0.75 19.1	2.49 63.2	2.75 69.9	9AH	4U210-31 x 4U210-50M x 4U210-32 x
4U9AI8-35 x	2-3/16	35		3.937 100	4.72 119.9	5.5 139.7	2.25 57.2	4 101.6	1.97 50.0	0.99 25.1	5/8-11	1.72 43.7	0.87 22.1	2.71 68.8	3 76.2	9AI	4U211-32 x
4U9AJ8-39 x	2-7/16	39		4.331 110	5.38 136.5	6 152.4	2.75 69.9	4.25 108.0	1.97 50.0	0.99 25.1	5/8-11	1.84 46.7	1 25.4	2.83 71.9	3.32 84.3	9AJ	4U212-39 x
4U9AK8-44 x	2-3/4	44		4.921 125	6.06 154.0	7 177.8	3 76.2	5 127.0	1.97 50.0	0.99 25.1	3/4-10	1.94 49.3	1.19 30.2	2.93 74.4	4.02 102.1	9AK	4U214-44 x
4U9AL8-47 x 4U9AL8-75M x 4U9AL8-48 x	2-15/16 3	47 48		5.128 130	6.75 171.5	7.5 190.5	3.5 88.9	5.25 133.4	1.97 50.0	0.99 25.1	7/8-9	2.15 54.6	1.31 33.3	3.14 79.8	4.02 102.1	9AL	4U215-47 x 4U215-75M x 4U215-48 x

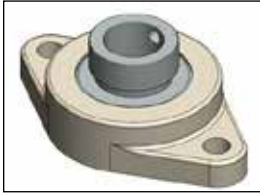
X indicates a 2-letter designation for lube & seals
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 Other alpha - refer to page 3 Others - refer to page 3
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Stainless Ball Solution® Two-Bolt Flange

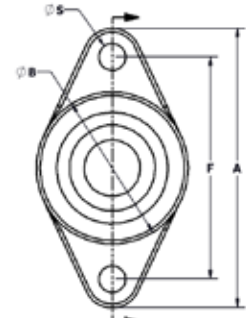
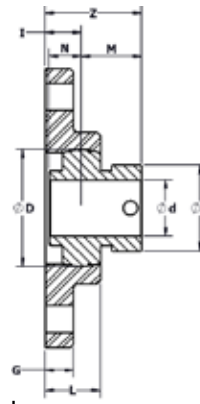


Eccentric lock stainless ball bearing Series "4U"
Standard two-bolt pattern Series "2"
Stainless housing Series "A"



More Sizes / Styles
 Inserts pgs F-5 to F-9
 Eccentric inserts in SS or KG: pgs F-10 to F-34
 QuiKlean® eccentric: pgs F-34 to F-47
 Set screw inserts in SS or KG: pgs F-48 to F-72
 QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals



Stainless Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	F	G	L	I	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg + hsg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th															
4U2AA8-08 x 4U2AA8-10 x		1/2 5/8	8 10	1.575 40	3.88 98.6	2.15 54.6	3 76.2	0.44 11.2	0.85 21.6	0.53 13.5		3/8"	0.91 23.1	0.39 9.9	1.44 36.6	1.13 28.7	2AA	4U203-08 x 4U203-10 x
4U2AB8-08 x 4U2AB8-10 x 4U2AB8-12 x 4U2AB8-20M x		1/2 5/8 3/4	8 10 12	1.850 47	4.41 112.0	2.42 61.5	3.53 89.7	0.44 11.2	0.95 24.1	0.59 15.0		3/8"	1.05 26.7	0.5 12.7	1.64 41.7	1.31 33.3	2AB	4U204-08 x 4U204-10x 4U204-12 x 4U204-20M x
4U2AC8-25M x 4U2AC8-16 x				2.047 52	4.89 124.2	2.66 67.6	3.89 98.8	0.5 12.7	0.97 24.6	0.63 16.0		7/16"	1.06 26.9	0.56 14.2	1.69 42.9	1.5 38.1	2AC	4U205-25M x 4U205-16 x
4U2AD8-30M x 4U2AD8-19 x 4U2AD8-20 x				2.441 62	5.59 142.0	3.12 79.2	4.6 116.8	0.5 12.7	1.07 27.2	0.66 16.8		7/16"	1.19 30.2	0.63 16.0	1.85 47.0	1.75 44.5	2AD	4U206-30M x 4U206-19 x 4U206-20 x
4U2AE8-20 x 4U2AE8-22 x 4U2AE8-35M x 4U2AE8-23 x		1-1/4 1-3/8	20 22	2.835 72	6.25 158.8	3.62 91.9	5.12 130.0	0.56 14.2	1.22 31.0	0.79 20.1		1/2"	1.27 32.3	0.69 17.5	2.06 52.3	2.19 55.6	2AE	4U207-20 x 4U207-22 x 4U207-35M x 4U207-23 x
4U2AF8-24 x 4U2AF8-40M x		1-1/2	24	3.150 80	6.78 172.2	4 101.6	5.66 143.8	0.56 14.2	1.24 31.5	0.77 19.6		1/2"	1.37 34.8	0.75 19.1	2.14 54.4	2.37 60.2	2AF	4U208-24 x 4U208-40M x
4U2AG8-28 x		1-3/4	28	3.346 85	6.97 177.0	4.25 108.0	5.84 148.3	0.63 16.0	1.24 31.5	0.76 19.3		1/2"	1.37 34.8	0.75 19.1	2.13 54.1	2.5 63.5	2AG	4U209-28 x
4U2AH8-31 x 4U2AH8-50M x 4U2AH8-32 x 4U2AI8-32 x		1-15/16 2	31 32	3.543 90	7.31 185.7	4.56 115.8	6.19 157.2	0.63 16.0	1.24 31.5	0.77 19.6		1/2"	1.5 38.1	0.75 19.1	2.27 57.7	2.75 69.9	2AH	4U210-31 x 4U210-50M x 4U210-32 x
4U2AI8-35 x		2	32	3.937 100	8.63 219.2	5.06 128.5	7.25 184.2	0.69 17.5	1.47 37.3	0.92 23.4		5/8"	1.72 43.7	0.87 22.1	2.64 67.1	3 76.2	2AI	4U211-32 x
4U2AI8-35 x 4U2AJ8-39 x		2-3/16 2-7/16	35 39	4.331 110	9.33 237.0	5.62 142.7	7.95 201.9	0.69 17.5	1.66 42.2	1.07 27.2		5/8"	1.84 46.7	1 25.4	2.91 73.9	3.32 84.3	2AJ	4U211-35 x 4U212-39 x
4U2AK8-44 x		2-3/4	44	4.921 125	9.69 246.1	6.44 163.6	8.31 211.1	0.75 19.1	1.86 47.2	1.25 31.8		5/8"	1.94 49.3	1.19 30.2	3.19 81.0	4.02 102.1	2AK	4U214-44 x
4U2AL8-47 x 4U2AL8-75M x 4U2AL8-48 x		2-15/16 3	47 48	5.128 130	10.13 257.3	6.5 165.1	8.5 215.9	1 25.4	1.98 50.3	1.39 35.3		3/4"	2.15 54.6	1.31 33.3	3.54 89.9	4.02 102.1	2AL	4U215-47 x 4U215-75M x 4U215-48 x

X indicates a 2-letter designation for lube & seals
 G = food grade grease X = standard configuration
 F = food grade EPL O = open (no seal or flinger)
 Other alpha - refer to page 3 Others - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



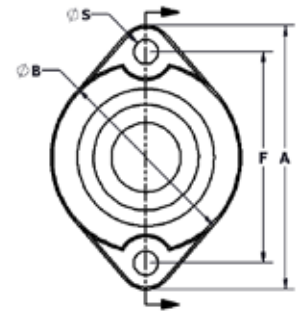
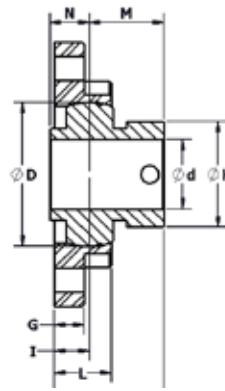
Stainless Ball Solution® Small Two-Bolt Flange



Eccentric lock stainless ball bearing Series "4U"
Small two-bolt pattern Series "6"
Stainless housing Series "A"



More Sizes / Styles
 Inserts pgs F-5 to F-9
 Eccentric inserts in SS or KG: pgs F-10 to F-34
 QuiKlean® eccentric: pgs F-34 to F-47
 Set screw inserts in SS or KG: pgs F-48 to F-72
 QuiKlean® set screw: pgs F-72 to F-85



Stainless Housing

"X" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size	A	B	F	G	L	Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th														
4U6AA8-08 x 4U6AA8-10 x		1/2 5/8	8 10	1.575 40	3.19 81.0	2.09 53.1	2.5 63.5	0.38 9.7	0.7 17.8	10.7	1/4	0.91 23.1	0.39 9.9	1.33 33.8	1.13 28.7	6AA	4U203-08 x 4U203-10 x
4U6AB8-08 x 4U6AB8-10 x 4U6AB8-12 x 4U6AB8-20M x		1/2 5/8 3/4 20M	8 10 12	1.850 47	3.56 90.4	2.42 61.5	2.81 71.4	0.42 10.7	0.86 21.8	12.7	5/16	1.05 26.7	0.5 12.7	1.55 39.4	1.31 33.3	6AB	4U204-08 x 4U204-10 x 4U204-12 x 4U204-20M x
4U6AC8-25M x 4U6AC8-16 x				2.047 52	3.75 95.3	2.72 69.1	3 76.2	0.42 10.7	0.81 20.6	12.7	5/16	1.06 26.9	0.56 14.2	1.56 39.6	1.5 38.1	6AC	4U205-25M x 4U205-16 x
4U6AD8-30M x 4U6AD8-19 x 4U6AD8-20 x				2.441 62	4.44 112.8	3.09 78.5	3.56 90.4	0.47 11.9	0.96 24.4	14.2	3/8	1.19 30.2	0.63 16.0	1.75 44.5	1.75 44.5	6AD	4U206-30M x 4U206-19 x 4U206-20 x
4U6AE8-20 x 4U6AE8-22 x 4U6AE8-35M x 4U6AE8-23 x		1-1/4 1-3/8 35M 1-7/16	20 22 23	2.835 72	4.94 125.5	3.5 88.9	3.94 100.1	0.5 12.7	0.96 24.4	14.2	3/8	1.27 32.3	0.69 17.5	1.83 46.5	2.19 55.6	6AE	4U207-20 x 4U207-22 x 4U207-35M x 4U207-23 x

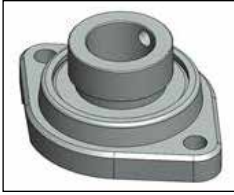
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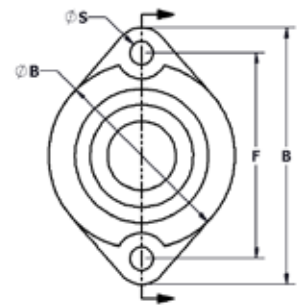
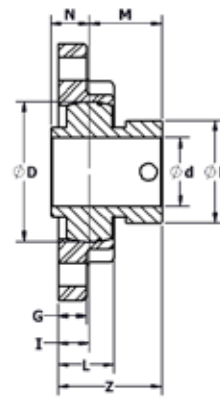
Stainless Ball Solution® Small Two-Bolt Flange



Eccentric lock stainless ball bearing Series "4U"
Small two-bolt pattern Series "6"
Polymer housing Series "G"



More Sizes / Styles
 Inserts pgs F-5 to F-9
 Eccentric inserts in SS or KG: pgs F-10 to F-34
 QuikClean® eccentric: pgs F-34 to F-47
 Set screw inserts in SS or KG: pgs F-48 to F-72
 QuikClean® set screw: pgs F-72 to F-85



Polymer Housing

"X" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size D	A	B	F	G	L	Sph depth I	Bolt size S	Brg c/l to front M	Brg c/l to back N	Overall LTB of brg (I+M) Z	Brg collar size K	Housing PN	Ball bearing PN WIDE ECC
	mm	in	16th														
4U6GA8-08 x 4U6GA8-10 x	1/2 5/8	8 10		1.575 40	3.19 81.0	2.09 53.1	2.5 63.5	0.38 9.7	0.7 17.8	0.42 10.7	1/4	0.91 23.1	0.39 9.9	1.33 33.8	1.13 28.7	6GA	4U203-08 x 4U203-10 x
4U6GB8-08 x 4U6GB8-10 x 4U6GB8-12 x 4U6GB8-20M x	1/2 5/8 3/4 20M	8 10 12		1.850 47	3.56 90.4	2.42 61.5	2.81 71.4	0.42 10.7	0.86 21.8	0.5 12.7	5/16	1.05 26.7	0.5 12.7	1.55 39.4	1.31 33.3	6GB	4U204-08 x 4U204-10 x 4U204-12 x 4U204-20M x
4U6GC8-25M x 4U6GC8-16 x	25M 1	16		2.047 52	3.75 95.3	2.72 69.1	3 76.2	0.42 10.7	0.81 20.6	0.46 11.7	5/16	1.06 26.9	0.56 14.2	1.52 38.6	1.5 38.1	6GC	4U205-25M x 4U205-16 x
4U6GD8-30M x 4U6GD8-19 x 4U6GD8-20 x	30M 1-3/16 1-1/4	19 20		2.441 62	4.44 112.8	3.09 78.5	3.56 90.4	0.47 11.9	0.96 24.4	0.56 14.2	3/8	1.19 30.2	0.63 16.0	1.75 44.5	1.75 44.5	6GD	4U206-30M x 4U206-19 x 4U206-20 x
4U6GE8-20 x 4U6GE8-22 x 4U6GE8-35M x 4U6GE8-23 x	1-1/4 1-3/8 35M 1-7/16	20 22 23		2.835 72	4.94 125.5	3.5 88.9	3.94 100.1	0.5 12.7	0.96 24.4	0.56 14.2	3/8	1.27 32.3	0.69 17.5	1.83 46.5	2.19 55.6	6GE	4U207-20 x 4U207-22 x 4U207-35M x 4U207-23 x

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 Other alpha - refer to page 3 Others - refer to page 3
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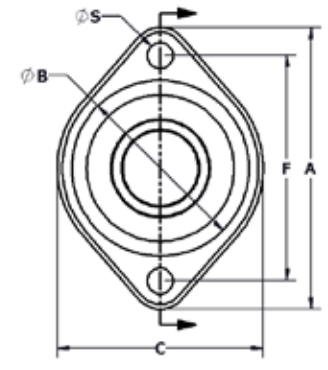
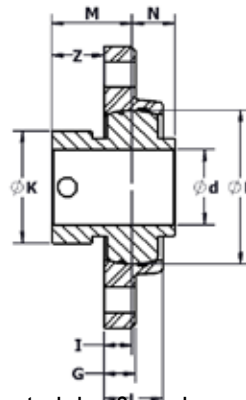
Stainless Ball Solution® Piloted Two-Bolt Flange

CHOICE

Eccentric lock stainless ball bearing Series "4U"
Standard two-bolt pattern Series "6_-SP"
Stainless housing Series "A"



More Sizes / Styles
 Inserts pgs F-5 to F-9
 Eccentric inserts in SS or KG: pgs F-10 to F-34
 QuiKlean® eccentric: pgs F-34 to F-47
 Set screw inserts in SS or KG: pgs F-48 to F-72
 QuiKlean® set screw: pgs F-72 to F-85



"x" indicates a 2-letter designation referring to lube & seals

Stainless Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size	A	Boss Dia	C	F	G	L	Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th															
4U6AB-SP8-08 x		1/2	8	1.850	3.56	2.12	2.5	2.81	0.35	0.73	0.35	5/16	1.05	0.5	1.40	1.31	6AB-SP	4U204-08 x 4U204-10 x 4U204-12 x 4U204-20M x
4U6AB-SP8-10 x		5/8	10	47	90.4	53.8	63.5	71.4	8.9	18.5	8.9	26.7	12.7	35.6	33.3			
4U6AB-SP8-12 x		3/4	12															
4U6AB-SP8-20M x	20M																	
4U6AC-SP8-25M x	25M			2.047	3.75	2.34	2.72	3	0.42	0.78	0.38	5/16	1.06	0.56	1.44	1.5	6AC-SP	4U205-25M x 4U205-16x
4U6AC-SP8-16 x		1	16	52	95.3	59.4	69.1	76.2	10.7	19.8	9.5	26.9	14.2	36.4	38.1			

X indicates a 2-letter designation for lube & seals
 G = food grade grease X = standard configuration
 F = food grade EPL O = open (no seal or flinger)
Other alpha - refer to page 3 **Others** - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



Stainless Ball Solution® Hanger Bearing

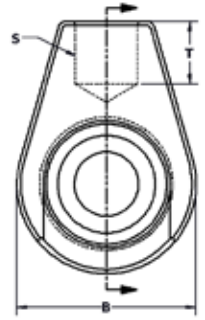
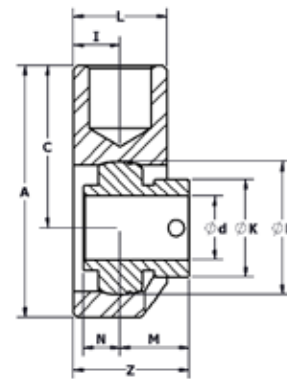


Eccentric lock stainless ball bearing Series "4U"
Hanger pattern Series "8"
Stainless housing Series "A"



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuikClean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuikClean® set screw: pgs F-72 to F-85

"X" indicates a 2-letter designation referring to lube & seals



Stainless Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	C	L	I	Thread size	T	Brg c/ to front	Brg c/ to back	Overall LTB of brg (I+M)		Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th												Z	K			
4U8AA8-08 x	1/2	8	1.575	2.94	2.13	1.88	1.19	0.59	1/2 - 14 NPSM	0.63	0.91	0.39	1.50	1.13	8AA	8AA-01	4U203-08 x		
4U8AA8-10 x	5/8	10	40	74.7	54.1	47.8	30.2	15.0	M12 - 1.75 5/8 - 18	16.0	23.1	9.9	38.1	28.7	8AA-03B 8AA-01A		4U203-10 x		
4U8AB8-08 x	1/2	8	1.850	3.75	2.5	2.5	1.44	0.72	3/4 - 14 NPSM	0.75	1.05	0.5	1.77	1.31	8AB	8AB-03	4U204-08 x		
4U8AB8-10 x	5/8	10	47	95.3	63.5	63.5	36.6	18.3	5/8 - 11 UNC	19.1	26.7	12.7	45.0	33.3	8AB-03B		4U204-10 x		
4U8AB8-12 x	3/4	12							M16 - 2								4U204-12 x		
4U8AB8-20M x	20M																	4U204-20M x	
4U8AC8-25M x	25M		2.047	3.88	2.75	2.5	1.44	0.72	3/4 - 14 NPSM	0.75	1.06	0.56	1.78	1.5	8AC		4U205-25M x		
4U8AC8-16 x	1	16	52	98.6	69.9	63.5	36.6	18.3		19.1	26.9	14.2	45.2	38.1			4U205-16 x		
4U8AD8-30M x	30M		2.441	4.06	3.13	2.5	1.44	0.72	3/4 - 14 NPSM	0.75	1.19	0.63	1.91	1.75	8AD	8AD-02	4U206-30M x		
4U8AD8-19 x	1-3/16	19	62	103.1	79.5	63.5	36.6	18.3	5/8 - 11 UNC	19.1	30.2	16.0	48.5	44.5	8AD-03		4U206-19 x		
4U8AD8-20 x	1-1/4	20							M16 - 2								4U206-20 x		
4U8AE8-20 x	1-1/4	20	2.835	4.56	3.63	2.75	1.44	0.72	3/4 - 14 NPSM	0.75	1.27	0.69	1.99	2.19	8AE	8AE-01	4U207-20 x		
4U8AE8-22 x	1-3/8	22	72	115.8	92.2	69.9	36.6	18.3	1 - 8 UNC	19.1	32.3	17.5	50.5	55.6	8AE-02		4U207-22 x		
4U8AE8-35M x	35M								5/8 - 11 NPSM								4U207-35M x		
4U8AE8-23 x	1-7/16	23															4U207-23 x		
4U8AF8-24 x	1-1/2	24	3.150	4.75	3.75	2.88	1.44	0.72	3/4 - 14 NPSM	0.75	1.37	0.75	2.09	2.37	8AF	8AF-01	4U208-24 x		
4U8AF8-40M x	40M		80	120.7	95.3	73.2	36.6	18.3	3/4 - 10 NPSM	19.1	34.8	19.1	53.1	60.2			4U208-40M x		
4U8AG8-28 x	1-3/4	28	3.346	5.38	4.25	3.25	1.88	0.94	1 - 11 1/2 NPSM	0.81	1.37	0.75	2.31	2.5	8AG		4U209-28 x		
4U8AH8-31 x	1-15/16	31	85	136.7	108.0	82.6	47.8	23.9	1 - 11 1/2 NPSM	20.6	34.8	19.1	58.7	63.5	8AH	8AH-01	4U210-31 x		
4U8AH8-50M x	50M		3.543	5.5	4.5	3.25	1.88	0.94	1 - 11 1/2 NPSM	0.81	1.5	0.75	2.44	2.75			4U210-50M x		
4U8AH8-32 x	2	32	90	139.7	114.3	82.6	47.8	23.9	1 - 8 UNC	20.6	38.1	19.1	62.0	69.9			4U210-32 x		
4U8AI8-32 x	2	32	3.937	5.94	5	3.44	1.97	0.99	1 1/4 - 11 1/2 NPSM	1	1.72	0.87	2.71	3	8AI	8AI-01	4U211-32 x		
4U8AI8-35 x	2-3/16	35	100	150.9	127.0	87.4	50.0	25.0	1 1/4 - 7 UNC	25.4	43.7	22.1	68.7	76.2			4U211-35 x		
4U8AJ8-39 x	2-7/16	39	4.331	6.81	5.63	4	1.97	0.99	1 1/4 - 11 1/2 NPSM	1	1.84	1	2.83	3.32	8AJ	8AJ-01	4U212-39 x		
4U8AK8-44 x	2-3/4	44	110	173.0	143.0	101.6	50.0	25.0	1 1/2 - 6 UNC	25.4	46.7	25.4	71.8	84.3					
4U8AL8-47 x	2-15/16	47	4.921	7.88	6.5	4.63	2.47	1.24	1 1/2 - 11 1/2 NPSM	1.25	1.94	1.19	3.18	4.02	8AK		4U214-44 x		
4U8AL8-75M x	75M		125	200.2	165.1	117.6	62.7	31.4		31.8	49.3	30.2	80.6	102.1			4U215-47 x		
4U8AL8-48 x	3	48	5.128	7.88	6.5	4.63	2.47	1.24	1 1/2 - 11 1/2 NPSM	1.25	2.15	1.31	3.39	4.02	8AL		4U215-75M x		
			130	200.2	165.1	117.6	62.7	31.4		31.8	54.6	33.3	86.0	102.1			4U215-48 x		

X indicates a 2-letter designation for lube & seals
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F = food grade EPL O = open (no seal or flinger)
Other alpha - refer to page 3 Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers



Stainless Ball Solution® Three-Bolt Flange

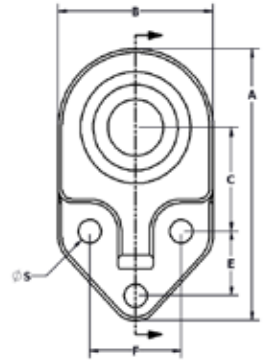
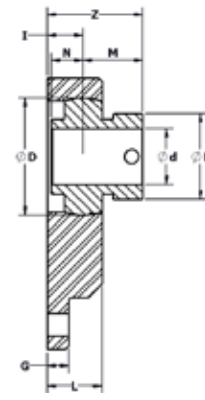


Eccentric lock stainless ball bearing Series "4U"
Standard three-bolt pattern Series "3"
Stainless housing Series "A"



More Sizes / Styles
 Inserts pgs F-5 to F-9
 Eccentric inserts in SS or KG: pgs F-10 to F-34
 QuiKlean® eccentric: pgs F-34 to F-47
 Set screw inserts in SS or KG: pgs F-48 to F-72
 QuiKlean® set screw: pgs F-72 to F-85

"X" indicates a 2-letter designation referring to lube & seals



Stainless Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	C	E	F	G	L	I	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th																	
4U3AA8-08 x 4U3AA8-10 x	1/2 5/8	8 10		1.575 40	3.5 88.9	2 50.8	1.38 35.1	0.81 20.6	1.25 31.8	0.25 6.4	0.85 21.6	0.53 13.5	5/16"	0.91 23.1	0.39 9.9	1.44 36.6	1.13 28.7	3AA	4U203-08 x 4U203-10 x	
4U3AB8-08 x 4U3AB8-10 x 4U3AB8-12 x 4U3AB8-20M x	1/2 5/8 3/4	8 10 12		1.850 47	4.25 108.0	2.5 63.5	1.69 42.9	0.88 22.4	1.5 38.1	0.31 7.9	0.95 24.1	0.59 15.0	3/8"	1.05 26.7	0.5 12.7	1.64 41.7	1.31 33.3	3AB	4U204-08 x 4U204-10 x 4U204-12 x 4U204-20M x	
4U3AC8-25M x 4U3AC8-16 x			20M 25M	2.047 52	4.75 120.7	2.75 69.9	1.81 46.0	1.13 28.7	1.63 41.4	0.38 9.7	0.97 24.6	0.64 16.3	3/8"	1.06 26.9	0.56 14.2	1.70 43.2	1.5 38.1	3AC	4U205-25M 4U205-16 x	
4U3AD8-30M x 4U3AD8-19 x 4U3AD8-20 x			30M	2.441 62	5.38 136.7	3.12 79.2	2.06 52.3	1.25 31.8	1.88 47.8	0.38 9.7	1.07 27.2	0.66 16.8	3/8"	1.19 30.2	0.63 16.0	1.85 47.0	1.75 44.5	3AD	4U206-30M x 4U206-19 x 4U206-20 x	
4U3AE8-20 x 4U3AE8-22 x 4U3AE8-35M x 4U3AE8-23 x	1-1/4 1-3/8	20 22	35M	2.835 72	6 152.4	3.63 92.2	2.38 60.5	1.25 31.8	2 50.8	0.5 12.7	1.22 31.0	0.79 20.1	1/2"	1.27 32.3	0.69 17.5	2.06 52.3	2.19 55.6	3AE	4U207-20 x 4U207-22 x 4U207-35M x 4U207-23 x	
4U3AF8-24 x 4U3AF8-40M x	1-1/2	24	40M	3.150 80	6.5 165.1	4 101.6	2.56 65.0	1.38 35.1	2.25 57.2	0.5 12.7	1.24 31.5	0.77 19.6	1/2"	1.37 34.8	0.75 19.1	2.14 54.4	2.37 60.2	3AF	4U208-24 x 4U208-40M x	
4U3AG8-28 x	1-3/4	28		3.346 85	6.94 176.3	4.25 108.0	2.75 69.9	1.5 38.1	2.5 63.5	0.5 12.7	1.24 31.5	0.76 19.3	1/2"	1.37 34.8	0.75 19.1	2.13 54.1	2.5 63.5	3AG	4U209-28 x	
4U3AH8-31 x 4U3AH8-50M x 4U3AH8-32 x	1-15/16	31	50M	3.543 90	7.41 188.2	4.56 115.8	2.94 74.7	1.63 41.4	2.75 69.9	0.5 12.7	1.24 31.5	0.77 19.6	1/2"	1.5 38.1	0.75 19.1	2.27 57.7	2.75 69.9	3AH	4U210-31 x 4U210-50M x 4U210-32 x	
4U3AI8-32 x	2	32		3.937 100	8.04 204.2	4.95 125.7	3.13 79.5	1.75 44.5	3 76.2	0.63 16.0	1.47 37.3	0.92 23.4	5/8"	1.72 43.7	0.87 22.1	2.64 67.1	3 76.2	3AI	4U211-32 x	
4U3AI8-35 x	2-3/16	35		4.331 110	8.88 225.6	5.63 143.0	3.38 85.9	2 50.8	3.5 88.9	0.63 16.0	1.66 42.2	1.07 27.2	5/8"	1.84 46.7	1 25.4	2.91 73.9	3.32 84.3	3AJ	4U211-35 x	
4U3AJ8-39 x	2-7/16	39		4.921 125	10.03 254.8	6.44 163.6	3.75 95.3	2.38 60.5	4.25 108.0	0.63 16.0	1.86 47.2	1.25 31.8	5/8"	1.94 49.3	1.19 30.2	3.19 81.0	4.02 102.1	3AK	4U214-44 x	
4U3AL8-44 x	2-3/4	44		5.128 130	10.69 271.5	6.5 165.1	4 101.6	2.63 66.8	4.25 108.0	0.75 19.1	1.98 50.3	1.39 35.3	3/4"	2.15 54.6	1.31 33.3	3.54 89.9	4.02 102.1	3AL	4U215-47 x 4U215-75M x 4U215-48 x	

X indicates a 2-letter designation for lube & seals
 G = food grade grease X = standard configuration
 F = food grade EPL O = open (no seal or flinger)
 Other alpha - refer to page 3 Others - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



Stainless Ball Solution® Three-Bolt Flange



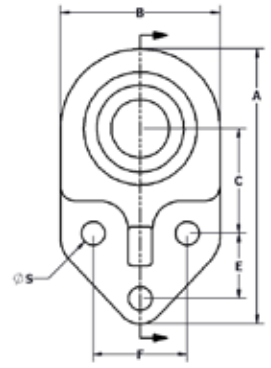
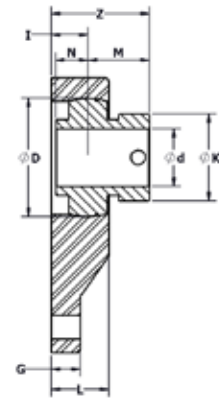
Eccentric lock stainless ball bearing Series "4U"
Standard three-bolt pattern Series "3"
Polymer housing Series "G"



More Sizes / Styles

Inserts pgs F-5 to F-9
 Eccentric inserts in SS or KG: pgs F-10 to F-34
 QuiKlean® eccentric: pgs F-34 to F-47
 Set screw inserts in SS or KG: pgs F-48 to F-72
 QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals



Polymer Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	C	E	F	G	L	I	Bolt size S	Brg c/l to front M	Brg c/l to back N	Overall LTB of brg (I+M) Z	Brg collar size K	Housing PN	Ball bearing PN WIDE ECC
	mm	in	16th																	
4U3GA8-08 x 4U3GA8-10 x		1/2 5/8	8 10	1.575 40	3.66 93.0	2.19 55.6	1.38 35.1	0.81 20.6	1.25 31.8	0.44 11.2	0.85 21.6	0.53 13.5	5/16"	0.91 23.1	0.39 9.9	1.44 36.6	1.13 28.7	3GA	4U203-08 x 4U203-10 x	
4U3GB8-08 x 4U3GB8-10 x 4U3GB8-12 x 4U3GB8-20M x		1/2 5/8 3/4	8 10 12	1.850 47	4.34 110.2	2.56 65.0	1.68 42.7	0.88 22.4	1.5 38.1	0.44 11.2	0.95 24.1	0.59 15.0	3/8"	1.05 26.7	0.5 12.7	1.64 41.7	1.31 33.3	3GB	4U204-08 x 4U204-10 x 4U204-12 x 4U204-20M x	
4U3GC8-25M x 4U3GC8-16 x	20M			2.047 52	4.75 120.7	2.75 69.9	1.81 46.0	1.12 28.4	1.63 41.4	0.5 12.7	0.99 25.1	0.64 16.3	3/8"	1.06 26.9	0.56 14.2	1.70 43.2	1.5 38.1	3GC	4U205-25M x 4U205-16 x	
4U3GD8-30M x 4U3GD8-19 x 4U3GD8-20 x	25M	1	16	2.441 62	5.44 138.2	3.25 82.6	2.06 52.3	1.25 31.8	1.88 47.8	0.5 12.7	1.07 27.2	0.66 16.8	3/8"	1.19 30.2	0.63 16.0	1.85 47.0	1.75 44.5	3GD	4U206-30M x 4U206-19 x 4U206-20 x	
4U3GE8-20 x 4U3GE8-22 x 4U3GE8-35M x 4U3GE8-23 x	30M	1-3/16 1-1/4	19 20	2.835 72	6.19 157.2	3.81 96.8	2.38 60.5	1.25 31.8	2 50.8	0.56 14.2	1.22 31.0	0.79 20.1	1/2"	1.27 32.3	0.69 17.5	2.06 52.3	2.19 55.6	3GE	4U207-20 x 4U207-22 x 4U207-35M x 4U207-23 x	
4U3GF8-24 x 4U3GF8-40M x	35M	1-1/4 1-3/8	20 22	3.150 80	6.72 170.7	4.25 108.0	2.56 65.0	1.38 35.1	2.25 57.2	0.56 14.2	1.24 31.5	0.77 19.6	1/2"	1.37 34.8	0.75 19.1	2.14 54.4	2.37 60.2	3GF	4U208-24 x 4U208-40M x	
4U3GG8-28 x	40M			3.346 85	7.19 182.6	4.56 115.8	2.75 69.9	1.5 38.1	2.5 63.5	0.63 16.0	1.24 31.5	0.76 19.3	1/2"	1.37 34.8	0.75 19.1	2.13 54.1	2.5 63.5	3GG	4U209-28 x	
4U3GH8-31 x 4U3GH8-50M x 4U3GH8-32 x		1-3/4	28	3.543 90	7.63 193.8	4.88 124.0	2.94 74.7	1.63 41.4	2.75 69.9	0.63 16.0	1.24 31.5	0.77 19.6	1/2"	1.5 38.1	0.75 19.1	2.27 57.7	2.75 69.9	3GH	4U210-31 x 4U210-50M x 4U210-32 x	
4U3GI8-32 x	50M	2	32	3.937 100	8.38 212.9	5.38 136.7	3.12 79.2	1.75 44.5	3 76.2	0.69 17.5	1.47 37.3	0.92 23.4	5/8"	1.72 43.7	0.87 22.1	2.64 67.1	3 76.2	3GI	4U211-32 x	
4U3GI8-35 x		2-3/16	35	4.331 110	9.19 233.4	6 152.4	3.38 85.9	2 50.8	3.5 88.9	0.69 17.5	1.66 42.2	1.07 27.2	5/8"	1.84 46.7	1 25.4	2.91 73.9	3.32 84.3	3GJ	4U211-35 x	
4U3GJ8-39 x		2-7/16	39	4.921 125	10.38 263.7	6.88 174.8	3.75 95.3	2.38 60.5	4.25 108.0	0.75 19.1	1.86 47.2	1.25 31.8	5/8"	1.94 49.3	1.19 30.2	3.19 81.0	4.02 102.1	3GK	4U212-39 x	
4U3GK8-44 x		2-3/4	44	5.128 130	11.13 282.7	7.13 181.1	4 101.6	2.63 66.8	4.25 108.0	1 25.4	1.98 50.3	1.39 35.3	5/8"	2.15 54.6	1.31 33.3	3.54 89.9	4.02 102.1	3GL	4U214-44 x	
4U3GL8-47 x 4U3GL8-75M x 4U3GL8-48 x	75M	2-15/16 3	47 48	5.128 130	11.13 282.7	7.13 181.1	4 101.6	2.63 66.8	4.25 108.0	1 25.4	1.98 50.3	1.39 35.3	5/8"	2.15 54.6	1.31 33.3	3.54 89.9	4.02 102.1	3GL	4U215-47 x 4U215-75M x 4U215-48 x	

X indicates a 2-letter designation for lube & seals
 G = food grade grease
 F = food grade EPL
 Other alpha - refer to page 3
 X = standard configuration
 O = open (no seal or flinger)
 Others - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



Stainless Ball Solution® Round Three-Bolt Flange

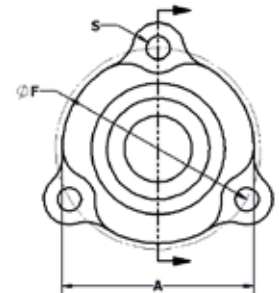
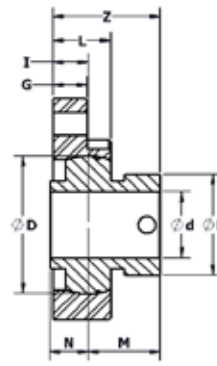


Eccentric lock stainless ball bearing Series "4U"
Round three-bolt pattern Series "22"
Stainless housing Series "A"



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals



Stainless Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size D	A	F	G	L	I	Bolt size S	Brg c/l to front M	Brg c/l to back N	Overall LTB of brg (I+M) Z	Brg collar size K	Housing PN	Ball bearing PN WIDE ECC
	mm	in	16th													
4U22AA8-08 x	12		8	1.575	2.4	2.5	0.38	0.69	0.43	1/4	0.91	0.39	1.34	1.13	22AA	4U203-08 x
		1/2	9	40	61.0	63.5	9.5	17.5	10.9		23.1	9.9	34.0	28.7		
4U22AA8-10 x	15		10												22AA-01	4U203-10 x
		5/8	10													
4U22AA-018-08 x	12		8	1.575	2.4	2.39	0.38	0.69	0.43	1/4	0.91	0.39	1.34	1.13	22AA-01	4U203-08 x
		1/2	9	40	61.0	60.7	9.5	17.5	10.9		23.1	9.9	34.0	28.7		
4U22AA-018-10 x	15		10												22AA-01	4U203-10 x
		5/8	10													
4U22AB8-08 x	12		8	1.850	2.5	2.81	0.42	0.78	0.43	5/16	1.05	0.5	1.48	1.31	22AB	4U204-08 x
		1/2	8	47	63.5	71.4	10.7	19.8	10.9		26.7	12.7	37.6	33.3		
4U22AB8-10 x	15		10												22AB	4U204-10 x
		5/8	10													
4U22AB8-12 x	17		11												22AB	4U204-12 x
		11/16	11													
4U22AB8-20M x	20M		12												22AB	4U204-20M x
		3/4	12													
4U22AC8-25M x	25M		12	2.047	2.8	3	0.5	0.84	0.53	5/16	1.06	0.56	1.59	1.5	22AC	4U205-25M x
		7/8	12	52	71.1	76.2	12.7	21.3	13.5		26.9	14.2	40.4	38.1		
4U22AC8-16 x	16		16												22AC	4U205-16 x
		1	16													
4U22AD8-30M x	30M		16	2.441	3.31	3.56	0.58	0.98	0.6	3/8	1.19	0.63	1.79	1.75	22AD	4U206-30M x
		1-1/16	17	62	84.1	90.4	14.7	24.9	15.2		30.2	16.0	45.5	44.5		
4U22AD8-19 x	19		18												22AD	4U206-19 x
		1-1/8	18													
4U22AD8-20 x	20		20												22AD	4U206-20 x
		1-1/4	20													
4U22AE8-20 x	20		19	2.835	3.69	3.94	0.66	1.12	0.7	3/8	1.27	0.69	1.97	2.19	22AE	4U207-20 x
		1-1/4	20	72	93.7	100.1	16.8	28.4	17.8		32.3	17.5	50.0	55.6		
4U22AE8-22 x	22		22												22AE	4U207-22 x
		1-5/16	21													
4U22AE8-35M x	35M		22												22AE	4U207-35M x
		1-3/8	22													
4U22AE8-23 x	23		23												22AE	4U207-23 x
		1-7/16	23													
4U22AF8-24 x	24		23	3.150	3.69	3.94	0.66	1.12	0.7	3/8	1.37	0.75	2.07	2.37	22AF	4U208-24 x
		1-1/2	24	80	93.7	100.1	16.8	28.4	17.8		34.8	19.1	52.6	60.2		
4U22AF8-40M x	40M		24												22AF	4U208-40M x
		1-1/2	24													
4U22AG8-28 x	28		24	3.334	4.5	4.75	0.65	1.12	0.7	1/2	1.37	0.75	2.07	2.5	22AG	4U209-28 x
		1-5/8	26	85	114.3	120.7	16.5	28.4	17.8		34.8	19.1	52.6	63.5		
4U22AG8-28 x	28		27												22AG	4U209-28 x
		1-11/16	27													
4U22AH8-31 x	31		28	3.543	4.5	5	0.63	1.13	0.72	1/2	1.5	0.75	2.22	2.75	22AH	4U210-31 x
		1-3/4	28	90	114.3	127.0	15.9	28.6	18.3		38.1	19.1	56.4	69.9		
4U22AH8-50M x	50M		30												22AH	4U210-50M x
		1-7/8	30													
4U22AH8-32 x	32		31												22AH	4U210-32 x
		1-15/16	31													
4U22AH8-32 x	32		32												22AH	4U210-32 x
		2	32													

X indicates a 2-letter designation for lube & seals
 G = food grade grease X = standard configuration
 F = food grade EPL O = open (no seal or flinger)
 Other alpha - refer to page 3 Others - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



Stainless Ball Solution® Round Three-Bolt Flange

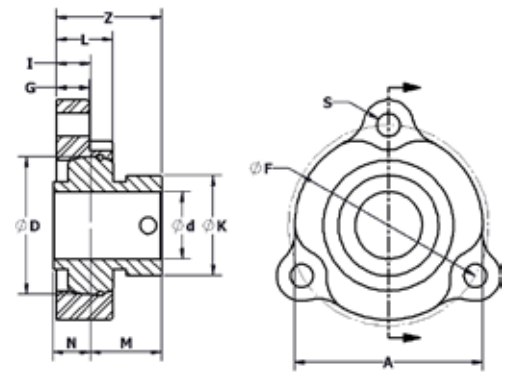
CHOICE

Eccentric lock stainless ball bearing Series "4U"
Round three-bolt pattern Series "22"
Polymer housing Series "G"



More Sizes / Styles

Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85



Polymer Housing

"X" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size D	A	F	G	L	Sph depth I	Bolt size S	Brg c/l to front M	Brg c/l to back N	Overall LTB of brg (I+M) Z	Brg collar size K	Housing PN	Ball Bearing PN WIDE ECC
	mm	in	16th													
4U22GA8-08 x	12	1/2 9/16	8	40	2.38 60.5	2.5 63.5	0.38 9.5	0.69 17.5	0.41 10.4	1/4	0.91 23.1	0.39 9.9	1.32 33.5	1.13 28.7	22GA	4U203-08 x
	15		9													
4U22GA8-10 x	15	5/8	10	40	2.38 60.5	2.39 60.7	0.38 9.5	0.69 17.5	0.41 10.4	1/4	0.91 23.1	0.39 9.9	1.32 33.5	1.13 28.7	22GA-01	4U203-10 x
	17		10													
4U22GA-018-08 x	12	1/2 9/16	8	1.575 40	2.38 60.5	2.39 60.7	0.38 9.5	0.69 17.5	0.41 10.4	1/4	0.91 23.1	0.39 9.9	1.32 33.5	1.13 28.7	22GA-01	4U203-08 x
	15		9													
4U22GA-018-10 x	15	5/8	10	1.575 40	2.38 60.5	2.39 60.7	0.38 9.5	0.69 17.5	0.41 10.4	1/4	0.91 23.1	0.39 9.9	1.32 33.5	1.13 28.7	22GA-01	4U203-10 x
	17		10													
4U22GB8-08 x	12	1/2	8	1.850 47	2.81 71.4	3 76.2	0.5 12.7	0.84 21.3	0.51 13.0	5/16	1.06 26.9	0.56 14.2	1.48 37.6	1.31 33.3	22GB	4U204-08 x
	15		10													
4U22GB8-10 x	15	5/8	10	1.850 47	2.81 71.4	3 76.2	0.5 12.7	0.84 21.3	0.51 13.0	5/16	1.06 26.9	0.56 14.2	1.48 37.6	1.31 33.3	22GB	4U204-10 x
	17		10													
4U22GB8-12 x	17	11/16 3/4	11	1.850 47	2.81 71.4	3 76.2	0.5 12.7	0.84 21.3	0.51 13.0	5/16	1.06 26.9	0.56 14.2	1.48 37.6	1.31 33.3	22GB	4U204-12 x
			12													
4U22GB8-20M x	20M	3/4 7/8 15/16	12	1.850 47	2.81 71.4	3 76.2	0.5 12.7	0.84 21.3	0.51 13.0	5/16	1.06 26.9	0.56 14.2	1.48 37.6	1.31 33.3	22GB	4U204-20M x
			12													
4U22GC8-25M x	25M	7/8 15/16	12	2.047 52	2.81 71.4	3 76.2	0.5 12.7	0.84 21.3	0.51 13.0	5/16	1.06 26.9	0.56 14.2	1.57 39.9	1.5 38.1	22GC	4U205-25M x
			12													
4U22GC8-16 x	16	1 7/8 15/16	16	2.047 52	2.81 71.4	3 76.2	0.5 12.7	0.84 21.3	0.51 13.0	5/16	1.06 26.9	0.56 14.2	1.57 39.9	1.5 38.1	22GC	4U205-16 x
			16													
4U22GD8-30M x	30M	1 1-1/16 1-1/8	16	2.441 62	3.31 84.1	3.56 90.4	0.58 14.7	0.98 24.9	0.58 14.7	3/8	1.19 30.2	0.63 16.0	1.77 45.0	1.75 44.5	22GD	4U206-30M x
			16													
4U22GD8-19 x	19	1-1/16 1-1/8	17	2.441 62	3.31 84.1	3.56 90.4	0.58 14.7	0.98 24.9	0.58 14.7	3/8	1.19 30.2	0.63 16.0	1.77 45.0	1.75 44.5	22GD	4U206-19 x
			17													
4U22GD8-20 x	20	1-1/8 1-1/4	18	2.441 62	3.31 84.1	3.56 90.4	0.58 14.7	0.98 24.9	0.58 14.7	3/8	1.19 30.2	0.63 16.0	1.77 45.0	1.75 44.5	22GD	4U206-20 x
			18													
4U22GE8-20 x	20	1-3/16 1-1/4	19	2.835 72	3.69 93.7	3.94 100.1	0.66 16.8	1.08 27.4	0.68 17.3	3/8	1.27 32.3	0.69 17.5	1.95 49.5	2.19 55.6	22GE	4U207-20 x
			19													
4U22GE8-22 x	22	1-1/4 1-5/16	20	2.835 72	3.69 93.7	3.94 100.1	0.66 16.8	1.08 27.4	0.68 17.3	3/8	1.27 32.3	0.69 17.5	1.95 49.5	2.19 55.6	22GE	4U207-22 x
			20													
4U22GE8-35M x	35M	1-5/16 1-3/8	21	2.835 72	3.69 93.7	3.94 100.1	0.66 16.8	1.08 27.4	0.68 17.3	3/8	1.27 32.3	0.69 17.5	1.95 49.5	2.19 55.6	22GE	4U207-35M x
			21													
4U22GE8-23 x	23	1-3/8 1-7/16	22	2.835 72	3.69 93.7	3.94 100.1	0.66 16.8	1.08 27.4	0.68 17.3	3/8	1.27 32.3	0.69 17.5	1.95 49.5	2.19 55.6	22GE	4U207-23 x
			22													

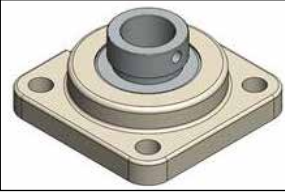
X indicates a 2-letter designation for lube & seals
G = food grade grease **X** = standard configuration
F = food grade EPL **O** = open (no seal or flinger)
Other alpha - refer to page 3 **Others** - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



Stainless Ball Solution® Four-Bolt Flange

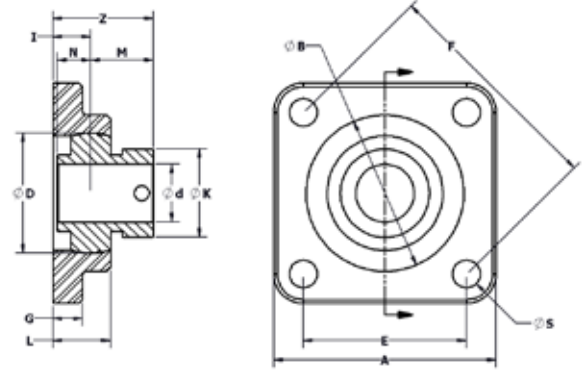


Eccentric lock stainless ball bearing Series "4U"
Standard four-bolt pattern Series "4"
Stainless housing Series "A"



More Sizes / Styles
 Inserts pgs F-5 to F-9
 Eccentric inserts in SS or KG: pgs F-10 to F-34
 QuiKlean® eccentric: pgs F-34 to F-47
 Set screw inserts in SS or KG: pgs F-48 to F-72
 QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals



Stainless Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size	A	B	E	F	G	L	I	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th															
4U4AA8-08 x 4U4AA8-10 x	1/2 5/8	8 10		1.575 40	3 76.2	2.15 54.6	2.13 54.1	3.01 76.5	0.44 11.2	0.85 21.6	0.53 13.5	3/8"	0.91 23.1	0.39 9.9	1.44 36.6	1.13 28.7	4AA	4U203-08 x 4U203-10 x
4U4AB8-08 x 4U4AB8-10 x 4U4AB8-12 x 4U4AB8-20M x	1/2 5/8 3/4 20M	8 10 12		1.850 47	3.38 85.9	2.42 61.5	2.5 63.5	3.54 89.9	0.44 11.2	0.95 24.1	0.59 15.0	3/8"	1.05 26.7	0.5 12.7	1.64 41.7	1.31 33.3	4AB	4U204-08 x 4U204-10 x 4U204-12 x 4U204-20M x
4U4AC8-25M x 4U4AC8-16 x	25M 1	16		2.047 52	3.75 95.3	2.66 67.6	2.75 69.9	3.89 98.8	0.5 12.7	0.97 24.6	0.64 16.3	7/16"	1.06 26.9	0.56 14.2	1.70 43.2	1.5 38.1	4AC	4U205-25M x 4U205-16 x
4U4AD8-30M x 4U4AD8-19 x 4U4AD8-20 x	30M 1-3/16 1-1/4	19 20		2.441 62	4.25 108.0	3.13 79.5	3.25 82.6	4.6 116.8	0.5 12.7	1.07 27.2	0.66 16.8	7/16"	1.19 30.2	0.63 16.0	1.85 47.0	1.75 44.5	4AD	4U206-30M x 4U206-19 x 4U206-20 x
4U4AE8-20 x 4U4AE8-22 x 4U4AE8-35M x 4U4AE8-23 x	1-1/4 1-3/8 35M 1-7/16	20 22 23		2.835 72	4.75 120.7	3.63 92.2	3.63 92.2	5.13 130.3	0.56 14.2	1.22 31.0	0.79 20.1	1/2"	1.27 32.3	0.69 17.5	2.06 52.3	2.19 55.6	4AE	4U207-20 x 4U207-22 x 4U207-35M x 4U207-23 x
4U4AF8-24 x 4U4AF8-40M x	1-1/2 40M	24		3.150 80	5.13 130.3	4 101.6	4 101.6	5.66 143.8	0.56 14.2	1.24 31.5	0.77 19.6	1/2"	1.37 34.8	0.75 19.1	2.14 54.4	2.37 60.2	4AF	4U208-24 x 4U208-40M x
4U4AG8-28 x	1-3/4	28		3.346 85	5.25 133.4	4.25 108.0	4.13 104.9	5.83 148.1	0.63 16.0	1.24 31.5	0.76 19.3	1/2"	1.37 34.8	0.75 19.1	2.13 54.1	2.5 63.5	4AG	4U209-28 x
4U4AH8-31 x 4U4AH8-50M x 4U4AH8-32 x	1-15/16 50M 2	31 32		3.543 90	5.5 139.7	4.56 115.8	4.38 111.3	6.19 157.2	0.63 16.0	1.24 31.5	0.77 19.6	1/2"	1.5 38.1	0.75 19.1	2.27 57.7	2.75 69.9	4AH	4U210-31 x 4U210-50M x 4U210-32 x
4U4AI8-32 x 4U4AI8-35 x	2 2-3/16	32 35		3.937 100	6.5 165.1	5.06 128.5	5.13 130.3	7.25 184.2	0.69 17.5	1.47 37.3	0.92 23.4	5/8"	1.72 43.7	0.87 22.1	2.64 67.1	3 76.2	4AI	4U211-32 x 4U211-35 x
4U4AJ8-39 x	2-7/16	39		4.331 110	7 177.8	5.63 143.0	5.63 143.0	7.96 202.2	0.69 17.5	1.66 42.2	1.07 27.2	5/8"	1.84 46.7	1 25.4	2.91 73.9	3.32 84.3	4AJ	4U212-39 x
4U4AK8-44 x	2-3/4	44		4.921 125	7.25 184.2	6.44 163.6	5.88 149.4	8.31 211.1	0.75 19.1	1.86 47.2	1.25 31.8	5/8"	1.94 49.3	1.19 30.2	3.19 81.0	4.02 102.1	4AK	4U214-44 x
4U4AL8-47 x 4U4AL8-75M x 4U4AL8-48 x	2-15/16 75M 3	47 48		5.128 130	7.62 193.5	6.5 165.1	6 152.4	8.49 215.6	1 25.4	1.98 50.3	1.39 35.3	3/4"	2.15 54.6	1.31 33.3	3.54 89.9	4.02 102.1	4AL	4U215-47 x 4U215-75M x 4U215-48 x

X indicates a 2-letter designation for lube & seals
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 F = food grade EPL O = open (no seal or flinger)
 Other alpha - refer to page 3 Others - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



Stainless Ball Solution® Take Up Bearing, Narrow



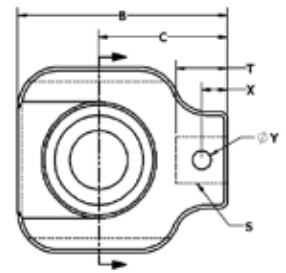
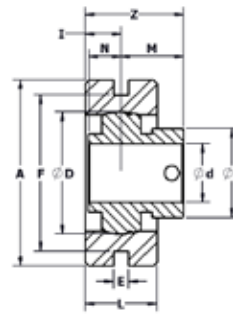
Eccentric lock stainless ball bearing Series "4U"
Take up bearing pattern Series "5"
Stainless housing Series "A"



More Sizes / Styles

Inserts pgs F-5 to F-9
 Eccentric inserts in SS or KG: pgs F-10 to F-34
 QuiKlean® eccentric: pgs F-34 to F-47
 Set screw inserts in SS or KG: pgs F-48 to F-72
 QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals



Stainless Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size	A	B	C	E	F	L	Sph. depth	Hole size	T	X	Y	Brg c/l to front	Btrg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN	Ball bearing PN WIDE ECC
	mm	in	16th																			
4U5AA8-08 x 4U5AA8-10 x	1/2 5/8	8 10		1.575 40	2.5 63.5	2.69 68.3	1.69 42.9	0.26	2	0.88	0.44	17/32	0.63	0.31	0.25	0.91	0.39	1.35	1.13	5AA	4U203-08 x 4U203-10 x	
4U5AB8-08 x 4U5AB8-10 x 4U5AB8-12 x 4U5AB8-20M x	1/2 5/8 3/4 20M	8 10 12		1.850 47	3.13 79.5	3.44 87.4	2.19 55.6	0.26	2.63	1.22	0.61	25/32	0.88	0.44	0.31	1.05	0.5	1.66	1.31	5AB	4U204-08 x 4U204-10 x 4U204-12 x 4U204-20M x	
4U5AC8-25M x 4U5AC8-16 x	25M 1	16		2.047 52	3.13 79.5	3.56 90.4	2.19 55.6	0.26	2.63	1.22	0.61	25/32	0.88	0.44	0.31	1.06	0.56	1.67	1.5	5AC	4U205-25M x 4U205-16 x	
4U5AD8-30M x 4U5AD8-19 x 4U5AD8-20 x	30M 1-3/16 1-1/4	19 20		2.441 62	4.13 104.9	4.31 109.5	2.69 68.3	0.26	3.5	1.22	0.61	25/32	1	0.5	0.31	1.19	0.63	1.80	1.75	5AD	4U206-30M x 4U206-19 x 4U206-20x	
4U5AE8-20 x 4U5AE8-22 x 4U5AE8-35M x 4U5AE8-23 x	1-1/4 1-3/8 35M 1-7/16	20 22 23		2.835 72	4.13 104.9	4.5 114.3	2.69 68.3	0.26	3.5	1.22	0.61	25/32	1	0.5	0.31	1.27	0.69	1.88	2.19	5AE	4U207-20 x 4U207-22 x 4U207-35M x 4U207-23 x	
4U5AF8-24 x 4U5AF8-40M x	1-1/2 40M	24		3.150 80	4.75 120.7	5.38 136.7	3.25 82.6	0.32	4	1.47	0.74	29/32	1.16	0.66	0.38	1.37	0.75	2.11	2.37	5AF	4U208-24 x 4U208-40M x	
4U5AG8-28 x	1-3/4	28		3.346 85	4.75 120.7	5.44 138.2	3.25 82.6	0.32	4	1.47	0.74	29/32	1.16	0.66	0.38	1.37	0.75	2.11	2.5	5AG	4U209-28 x	
4U5AH8-31 x 4U5AH8-50M x 4U5AH8-32 x	1-15/16 50M 2	31 32		3.543 90	4.75 120.7	5.5 139.7	3.25 82.6	0.32	4	1.47	0.74	29/32	1.16	0.66	0.38	1.5	0.75	2.24	2.75	5AH	4U210-31 x 4U210-50M x 4U210-32 x	
4U5AI8-32 x 4U5AI8-35 x	2 2-3/16	32 35		3.937 100	5.38 136.7	6.13 155.7	3.63 92.2	0.32	4.44	1.72	0.86	1-1/32	1.28	0.69	0.44	1.72	0.87	2.58	3	5AI	4U211-32 x 4U211-35 x	
4U5AJ8-39 x	2-7/16	39		4.331 110	5.75 146.1	6.69 169.9	3.88 98.6	0.32	4.94	1.72	0.86	1-1/32	1.28	0.69	0.44	1.84	1	2.70	3.32	5AJ	4U212-39 x	
4U5AK8-44 x	2-3/4	44		4.921 125	6.38 162.1	7.38 187.5	4.31 109.5	0.38	5.5	1.88	0.94	1-9/32	1.5	0.75	0.5	1.94	1.19	2.88	4.02	5AK	4U214-44 x	
4U5AL8-47 x 4U5AL8-75M x 4U5AL8-48 x	2-15/16 75M 3	47 48		5.128 130	6.75 171.5	7.69 195.3	4.44 112.8	0.38	5.88	1.88	0.94	1-9/32	1.5	0.75	0.5	2.15	1.31	3.09	4.02	5AL	4U215-47 x 4U215-75M x 4U215-48 x	

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 X = standard configuration
 O = open (no seal or flinger)
 Others - refer to page 3



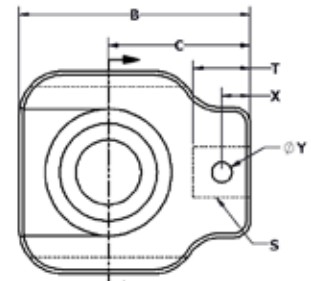
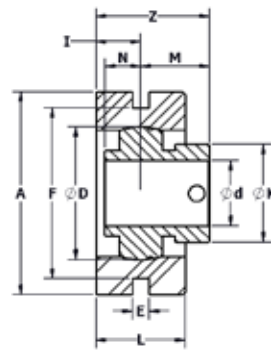
Stainless Ball Solution® Take Up Bearing, Narrow



Eccentric lock stainless ball bearing Series "4U"
Take up bearing pattern Series "5"
Polymer housing Series "G"



More Sizes / Styles
 Inserts pgs F-5 to F-9
 Eccentric inserts in SS or KG: pgs F-10 to F-34
 QuikClean® eccentric: pgs F-34 to F-47
 Set screw inserts in SS or KG: pgs F-48 to F-72
 QuikClean® set screw: pgs F-72 to F-85



Polymer Housing

"X" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size	A	B	C	E	F	L	Sph. depth	Hole size	T	X	Y	Brg c/l to front	Brg c/l to back	Overall LTB of brg (L+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th																		
	1/2	8		1.575	2.5	2.69	1.69	0.26	2	1		17/32	0.63	0.31	0.25	0.91	0.39	1.41	1.13		
	5/8	10		40	63.5	68.3	42.9		50.8	25.4			16.0	7.9		23.1	9.9	35.8	28.7		
4U5GB8-08 x 4U5GB8-10 x 4U5GB8-12 x 4U5GB8-20M x	1/2	8		1.850	3.13	3.44	2.19	0.26	2.63	1.38	0.69	25/32	0.88	0.44	0.31	1.05	0.5	1.74	1.31	5GB	4U204-08 x 4U204-10 x 4U204-12 x 4U204-20M x
	5/8	10		47	79.5	87.4	55.6		66.8	34.9	17.5		22.4	11.2		26.7	12.7	44.1	33.3		
	3/4	12																			
	20M																				
4U5GC8-25M x 4U5GC8-16 x	25M			2.047	3.13	3.56	2.19	0.26	2.63	1.38	0.69	25/32	0.88	0.44	0.31	1.06	0.56	1.75	1.5	5GC	4U205-25M x 4U205-16 x
	1	16		52	79.5	90.4	55.6		66.8	34.9	17.5		22.4	11.2		26.9	14.2	44.4	38.1		
4U5GD8-30M x 4U5GD8-19 x 4U5GD8-20 x	30M			2.441	4.13	4.31	2.69	0.26	3.5	1.38	0.69	25/32	1	0.5	0.31	1.19	0.63	1.88	1.75	5GD	4U206-30M x 4U206-19 x 4U206-20 x
	1-3/16	19		62	104.9	109.5	68.3		88.9	34.9	17.5		25.4	12.7		30.2	16.0	47.7	44.5		
	1-1/4	20																			
4U5GE8-20 x 4U5GE8-22 x 4U5GE8-35M x 4U5GE8-23 x	35M			2.835	4.13	4.5	2.69	0.26	3.5	1.38	0.69	25/32	1	0.5	0.31	1.27	0.69	1.96	2.19	5GE	4U207-20 x 4U207-22 x 4U207-35M x 4U207-23 x
	1-1/4	20		72	104.9	114.3	68.3		88.9	34.9	17.5		25.4	12.7		32.3	17.5	49.7	55.6		
	1-3/8	22																			
	1-7/16	23																			
4U5GF8-24 x 4U5GF8-40M x	40M			3.150	4.75	5.38	3.25	0.32	4	1.63	0.81	29/32	1.16	0.66	0.38	1.37	0.75	2.18	2.37	5GF	4U208-24 x 4U208-40M x
	1-1/2	24		80	120.7	136.7	82.6		101.6	41.3	20.6		29.5	16.8		34.8	19.1	55.4	60.2		
4U5GG8-28 x	1-3/4	28		3.346	4.75	5.44	3.25	0.32	4	1.63	0.81	29/32	1.16	0.66	0.38	1.37	0.75	2.18	2.5	5GG	4U209-28 x
				85	120.7	138.2	82.6		101.6	41.3	20.6		29.5	16.8		34.8	19.1	55.4	63.5		
4U5GH8-31 x 4U5GH8-50M x 4U5GH8-32 x	50M			3.543	4.75	5.5	3.25	0.32	4	1.63	0.81	29/32	1.16	0.66	0.38	1.5	0.75	2.31	2.75	5GH	4U210-31 x 4U210-50M x 4U210-32 x
	1-15/16	31		90	120.7	139.7	82.6		101.6	41.3	20.6		29.5	16.8		38.1	19.1	58.7	69.9		
	2	32																			
4U5GI8-32 x	2	32		3.937	5.38	6.13	3.63	0.32	4.44	1.75	0.88	1-1/32	1.28	0.69	0.44	1.72	0.87	2.60	3	5GI	4U211-32 x
				100	136.7	155.7	92.2		112.8	44.5	22.2		32.5	17.5		43.7	22.1	65.9	76.2		
4U5GI8-35 x	2-3/16	35																			
4U5GJ8-39 x	2-7/16	39		4.331	5.75	6.69	3.88	0.32	4.94	1.75	0.88	1-1/32	1.28	0.69	0.44	1.84	1	2.72	3.32	5GJ	4U212-39 x
				110	146.1	169.9	98.6		125.5	44.5	22.2		32.5	17.5		46.7	25.4	69.0	84.3		
4U5GK8-44 x	2-3/4	44		4.921	6.38	7.38	4.31	0.38	5.5	2	1.00	1-9/32	1.5	0.75	0.5	1.94	1.19	2.94	4.02	5GK	4U214-44 x
				125	162.1	187.5	109.5		139.7	50.8	25.4		38.1	19.1		49.3	30.2	74.7	102.1		
4U5GL8-47 x 4U5GL8-75M x 4U5GL8-48 x	75M			5.128	6.75	7.69	4.44	0.38	5.88	2	1.00	1-9/32	1.5	0.75	0.5	2.15	1.31	3.15	4.02	5GL	4U215-47 x 4U215-75M x 4U215-48 x
	2-15/16	47		130	171.5	195.3	112.8		149.4	50.8	25.4		38.1	19.1		54.6	33.3	80.0	102.1		
	3	48																			

X indicates a 2-letter designation for lube & seals
 G = food grade grease
 F = food grade EPL
 Other alpha - refer to page 3
 X = standard configuration
 O = open (no seal or flinger)
 Others - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



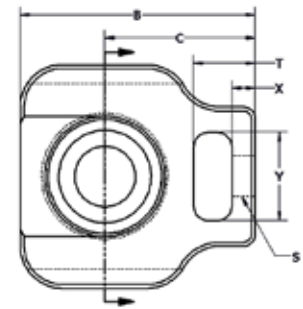
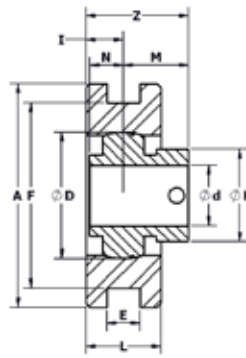
Stainless Ball Solution® Take Up Bearing, Wide



Eccentric lock stainless ball bearing Series "4U"
Take up bearing pattern Series "7"
Stainless housing Series "A"



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85



Stainless Housing

"X" indicates a 2-letter designation referring to lube & seals

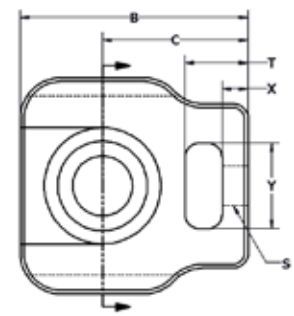
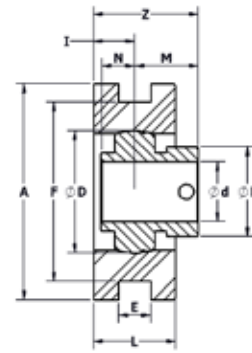
MOUNTED BEARING PART NUMBER	d			Sphere OD size	A	B	C	E	F	L	I	Hole size	S	T	X	Y	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th																			
4U7AA8-08 x 4U7AA8-10 x	1/2 5/8	8 10		1.575 40	3 76.2	3.13 79.5	2 50.8	0.42 10.7	2.5 63.5	0.97 24.6	0.49 12.3	17/32	0.81 20.6	0.31 7.9	1.25 31.8	0.91 23.1	0.39 9.9	1.40 35.4	1.13 28.7	7AA	4U203-08 x 4U203-10 x	
4U7AB8-08 x 4U7AB8-10 x 4U7AB8-12 x 4U7AB8-20M x	1/2 5/8 3/4	8 10 12		1.850 47	3.63 92.2	3.69 93.7	2.38 60.5	0.54 13.7	3 76.2	1.22 31.0	0.61 15.5	21/32	1 25.4	0.38 9.7	1.44 36.6	1.05 26.7	0.5 12.7	1.66 42.2	1.31 33.3	7AB	4U204-08 x 4U204-10 x 4U204-12 x 4U204-20M x	
4U7AC8-25M x 4U7AC8-16 x	25M 1	16		2.047 52	3.63 92.2	3.81 96.8	2.44 62.0	0.54 13.7	3 76.2	1.22 31.0	0.61 15.5	21/32	1 25.4	0.38 9.7	1.44 36.6	1.06 26.9	0.56 14.2	1.67 42.4	1.5 38.1	7AC	4U205-25M x 4U205-16 x	
4U7AD8-30M x 4U7AD8-19 x 4U7AD8-20 x	30M 1-3/16 1-1/4	19 20		2.441 62	4.13 104.9	4.38 111.3	2.75 69.9	0.54 13.7	3.5 88.9	1.47 37.3	0.74 18.7	25/32	1.16 29.5	0.38 9.7	1.63 41.4	1.19 30.2	0.63 16.0	1.93 48.9	1.75 44.5	7AD	4U206-30M x 4U206-19 x 4U206-20 x	
4U7AE8-20 x 4U7AE8-22 x 4U7AE8-35M x 4U7AE8-23 x	1-1/4 1-3/8	20 22		2.835 72	4.13 104.9	4.81 122.2	3 76.2	0.54 13.7	3.5 88.9	1.47 37.3	0.74 18.7	25/32	1.16 29.5	0.38 9.7	1.63 41.4	1.27 32.3	0.69 17.5	2.01 50.9	2.19 55.6	7AE	4U207-20 x 4U207-22 x 4U207-35M x 4U207-23 x	
4U7AF8-24 x 4U7AF8-40M x	1-1/2	24		3.150 80	4.5 114.3	5.5 139.7	3.44 87.4	0.7 17.8	4 101.6	1.88 47.8	0.94 23.9	1-1/16	1.5 38.1	0.56 14.2	1.94 49.3	1.37 34.8	0.75 19.1	2.31 58.7	2.37 60.2	7AF	4U208-24 x 4U208-40M x	
4U7AG8-28 x	1-3/4	28		3.346 85	4.63 117.6	5.69 144.5	3.5 88.9	0.7 17.8	4 101.6	1.88 47.8	0.94 23.9	1-1/16	1.5 38.1	0.56 14.2	1.94 49.3	1.37 34.8	0.75 19.1	2.31 58.7	2.5 63.5	7AG	4U209-28 x	
4U7AH8-31 x 4U7AH8-50M x 4U7AH8-32 x	1-15/16 2	31 32		3.543 90	4.75 120.7	5.81 147.6	3.56 90.4	0.7 17.8	4 101.6	1.88 47.8	0.94 23.9	1-1/16	1.5 38.1	0.56 14.2	1.94 49.3	1.5 38.1	0.75 19.1	2.44 62.0	2.75 69.9	7AH	4U210-31 x 4U210-50M x 4U210-32 x	
4U7AI8-32 x 4U7AI8-35 x	2 2-3/16	32 35		3.937 100	5.88 149.4	7 177.8	4.5 114.3	1.07 27.2	5.13 130.3	1.97 50.0	0.99 25.0	1-5/16	1.97 50.0	0.72 18.3	2.5 63.5	1.72 43.7	0.87 22.1	2.71 68.7	3 76.2	7AI	4U211-32 x 4U211-35 x	
4U7AJ8-39 x	2-7/16	39		4.331 110	5.88 149.4	7.5 190.5	4.69 119.1	1.07 27.2	5.13 130.3	1.97 50.0	0.99 25.0	1-5/16	1.97 50.0	0.72 18.3	2.5 63.5	1.84 46.7	1 25.4	2.83 71.8	3.32 84.3	7AJ	4U212-39 x	
4U7AK8-44 x	2-3/4	44		4.921 125	6.69 169.9	8.88 225.6	5.38 136.7	1.07 27.2	5.94 150.9	1.97 50.0	0.99 25.0	1-9/16	2.31 58.7	0.81 20.6	2.88 73.2	1.94 49.3	1.19 30.2	2.93 74.3	4.02 102.1	7AK	4U214-44 x	
4U7AL8-47 x 4U7AL8-75M x 4U7AL8-48 x	2-15/16 3	47 48		5.128 130	6.69 169.9	9.13 231.9	5.5 139.7	1.07 27.2	5.94 150.9	1.97 50.0	0.99 25.0	1-9/16	2.31 58.7	0.81 20.6	2.88 73.2	2.15 54.6	1.31 33.3	3.14 79.6	4.02 102.1	7AL	4U215-47 x 4U215-75M x 4U215-48 x	

X indicates a 2-letter designation for lube & seals
 G = food grade grease
 F = food grade EPL
 Other alpha - refer to page 3
 X = standard configuration
 O = open (no seal or flinger)
 Others - refer to page 3
 Example: GX = food grade grease with standard seals & flingers

Stainless Ball Solution® Take Up Bearing, Wide



Eccentric lock stainless ball bearing Series "4U"
Take up bearing pattern Series "7"
Polymer housing Series "G"



Polymer Housing



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	C	E	F	L	I	Hole size	S	T	X	Y	Brg c/l to front	M	Brg c/l to back	N	Overall LTB of brg (I+M)	Z	Brg collar size	K	Housing PN	Ball bearing PN		
	mm	in	16th																									WIDE ECC	
		1/2	8	1.58	3	3.13	2	0.42	2.5				17/32	0.88	0.38	1.25	0.91	0.39	1.47	1.13									
		5/8	10	40.1	76.2	79.5	50.8	10.7	63.5					22.4	9.7	31.8	23.1	9.9	37.4	28.7									
4U7GB8-08 x 4U7GB8-10 x 4U7GB8-12 x 4U7GB8-20M x		1/2	8	1.85	3.63	3.69	2.38	0.54	3	1.38	0.69		21/32	1.06	0.44	1.44	1.05	0.5	1.74	1.31					7GB	4U204-08 x 4U204-10 x 4U204-12 x 4U204-20M x			
		5/8	10	47.0	92.2	93.7	60.5	13.7	76.2	35.1	17.5			26.9	11.2	36.6	26.7	12.7	44.2	33.3									
		3/4	12																										
4U7GC8-25M x 4U7GC8-16 x	20M			2.05	3.63	3.81	2.44	0.54	3	1.38	0.69		21/32	1.06	0.44	1.44	1.06	0.56	1.75	1.5					7GC	4U205-25M x 4U205-16 x			
		1	16	52.1	92.2	96.8	62.0	13.7	76.2	35.1	17.5			26.9	11.2	36.6	26.9	14.2	44.5	38.1									
4U7GD8-30M x 4U7GD8-19 x 4U7GD8-20 x	25M			2.44	4.13	4.38	2.75	0.54	3.5	1.63	0.81		25/32	1.22	0.44	1.63	1.19	0.63	2.00	1.75					7GD	4U206-30M x 4U206-19 x 4U206-20 x			
		1-3/16	19	62.0	104.9	111.3	69.9	13.7	88.9	41.3	20.6			31.0	11.2	41.4	30.2	16.0	50.9	44.5									
		1-1/4	20																										
4U7GE8-20 x 4U7GE8-22 x 4U7GE8-35M x 4U7GE8-23 x	30M			2.84	4.13	4.81	3	0.54	3.5	1.63	0.81		25/32	1.22	0.44	1.63	1.27	0.69	2.08	2.19					7GE	4U207-20 x 4U207-22 x 4U207-35M x 4U207-23 x			
		1-3/8	22	72.1	104.9	122.2	76.2	13.7	88.9	41.3	20.6			31.0	11.2	41.4	32.3	17.5	52.9	55.6									
		1-7/16	23																										
4U7GF8-24 x 4U7GF8-40M x	35M			3.15	4.5	5.5	3.44	0.69	4	1.88	0.94		1-1/16	1.5	0.56	1.94	1.37	0.75	2.31	2.37					7GF	4U208-24 x 4U208-40M x			
		1-1/2	24	80.0	114.3	139.7	87.4	17.5	101.6	47.8	23.9			38.1	14.2	49.3	34.8	19.1	58.7	60.2									
4U7GG8-28 x	40M			3.35	4.63	5.69	3.5	0.7	4	1.88	0.94		1-1/16	1.5	0.56	1.94	1.37	0.75	2.31	2.5					7GG	4U209-28 x			
		1-3/4	28	85.1	117.6	144.5	88.9	17.8	101.6	47.8	23.9			38.1	14.2	49.3	34.8	19.1	58.7	63.5									
4U7GH8-31 x 4U7GH8-50M x 4U7GH8-32 x 4U7G18-32 x		1-15/16	31	3.54	4.75	5.81	3.56	0.7	4	1.88	0.94		1-1/16	1.5	0.56	1.94	1.5	0.75	2.44	2.75					7GH	4U210-31 x 4U210-50M x 4U210-32 x			
		2	32	89.9	120.7	147.6	90.4	17.8	101.6	47.8	23.9			38.1	14.2	49.3	38.1	19.1	62.0	69.9									
4U7G18-35 x		2-3/16	35	3.94	5.88	7.5	4.69	1.07	5.13	2.5	1.25		1-5/16	1.97	0.72	2.5	1.72	0.87	2.97	3					7GI	4U211-32 x			
		2	32	100.1	149.4	190.5	119.1	27.2	130.3	63.5	31.8			50.0	18.3	63.5	43.7	22.1	75.4	76.2									
4U7G18-35 x		2-3/16	35	4.33	5.88	7.5	4.69	1.07	5.13	2.5	1.25		1-5/16	1.97	0.72	2.5	1.84	1	3.09	3.32					7GJ	4U211-35 x			
		2-7/16	39	110.0	149.4	190.5	119.1	27.2	130.3	63.5	31.8			50.0	18.3	63.5	46.7	25.4	78.5	84.3									
4U7GJ8-39 x		2-7/16	39	4.92	6.69	8.88	5.38	1.07	5.94	2.75	1.38		1-9/16	2.31	0.81	2.88	1.94	1.19	3.32	4.02					7GK	4U212-39 x			
		2-3/4	44	125.0	169.9	225.6	136.7	27.2	150.9	69.9	34.9			58.7	20.6	73.2	49.3	30.2	84.2	102.1									
4U7GK8-44 x		2-3/4	44	5.12	6.69	9.13	5.5	1.07	5.94	2.75	1.38		1-9/16	2.31	0.81	2.88	2.15	1.31	3.53	4.02					7GL	4U214-44 x			
				130.0	169.9	231.9	139.7	27.2	150.9	69.9	34.9			58.7	20.6	73.2	54.6	33.3	89.5	102.1									
4U7GL8-47 x 4U7GL8-75M x 4U7GL8-48 x	75M			5.12	6.69	9.13	5.5	1.07	5.94	2.75	1.38		1-9/16	2.31	0.81	2.88	2.15	1.31	3.53	4.02					7GL	4U215-47 x 4U215-75M x 4U215-48 x			
		2-15/16	47	130.0	169.9	231.9	139.7	27.2	150.9	69.9	34.9			58.7	20.6	73.2	54.6	33.3	89.5	102.1									
		3	48																										

X indicates a 2-letter designation for lube & seals
G = food grade grease X = standard configuration
F = food grade EPL O = open (no seal or flinger)
Other alpha - refer to page 3 Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers



Stainless Ball Solution® Piloted Flange Bearing



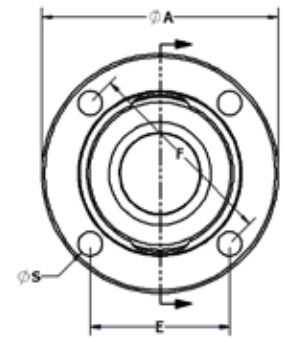
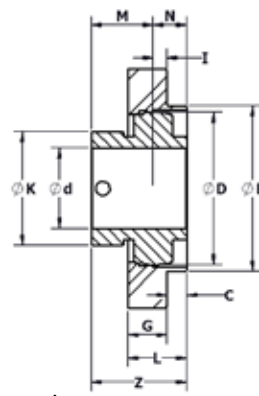
Eccentric lock stainless ball bearing Series "4U"
Piloted flange pattern Series "24"
Stainless housing Series "A"



More Sizes / Styles

Inserts pgs F-5 to F-9
 Eccentric inserts in SS or KG: pgs F-10 to F-34
 QuiKlean® eccentric: pgs F-34 to F-47
 Set screw inserts in SS or KG: pgs F-48 to F-72
 QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals



Stainless Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size	A	B	C	E	F	G	L	Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (L+M)	Brg collar size	Housing PN	Ball bearing PN		
	mm	in	16th																		
4U24AC8-25M x 4U24AC8-16 x	25M	1	16	2.047	4.38	3	0.38	2.56	3.63	0.81	1.19	0.34	3/8	1.06	0.56	1.78	1.5	24AC	4U205-25M x 4U205-16 x		
				52	111.1	76.2	9.5	65.1	92.1	20.6	30.2	8.7		26.9	14.2	45.2	38.1				
4U24AD8-30M x 4U24AD8-19 x 4U24AD8-20 x	30M	1-3/16	19	2.441	4.38	3	0.38	2.56	3.63	0.88	1.25	0.34	3/8	1.19	0.63	1.90	1.75	24AD	4U206-30M x 4U206-19 x 4U206-20 x		
				62	111.1	76.2	9.5	65.1	92.1	22.2	31.8	8.7		30.2	16.0	48.4	44.5				
		1-1/4	20	2.835	5	3.38	0.38	2.92	4.13	0.88	1.25	0.33	7/16	1.27	0.69	1.98	2.19				
4U24AE8-20 x 4U24AE8-22 x 4U24AE8-35M x 4U24AE8-23 x	35M	1-3/8	22	72	127.0	85.7	9.5	74.1	104.8	22.2	31.8	8.4		32.3	17.5	50.2	55.6	24AE	4U207-20 x 4U207-22 x 4U207-35M x 4U207-23 x		
				1-7/16	23	3.150	5.25	3.63	0.44	3.09	4.38	0.88	1.31	0.31	7/16	1.37	0.75			2.12	2.37
4U24AF8-24 x 4U24AF8-40M x	40M	1-1/2	24	80	133.4	92.1	11.1	78.6	111.1	22.2	33.4	7.9		34.8	19.1	53.9	60.2	24AF	4U208-24 x 4U208-40Mx		
				3.346	5.25	3.63	0.44	3.09	4.38	0.88	1.31	0.31	1/2	1.37	0.75	2.12	2.5				
4U24AG8-28 x		1-3/4	28	85	133.4	92.1	11.1	78.6	111.1	22.2	33.4	7.9		34.8	19.1	53.9	63.5	24AG	4U209-28 x		
4U24AG-DSC8-28 x 4U24AG-DSC8-45M x	50M	1-15/16	31	3.346	5.75	4.00	0.44	3.36	4.75	1.00	1.44	0.34	1/2	1.37	0.75	2.12	2.5	24AG-DSC	4U209-28 x 4U209-45M x		
				85	146.1	101.6	11.1	85.3	120.7	25.4	36.5	8.7		34.8	19.1	53.9	63.5				
4U24AH8-31 x 4U24AH8-50M x 4U24AH8-32 x 4U24AI8-32 x	35M	2-3/16	35	3.543	6.00	4.25	0.63	3.62	5.13	0.88	1.5	0.24	1/2	1.5	0.75	2.36	2.75	24AH	4U210-31 x 4U210-50M x 4U210-32 x		
				90	152.4	108.0	15.9	92.0	130.2	22.2	38.1	6.0		38.1	19.1	60.0	69.9				
4U24AI8-35 x	40M	2-7/16	39	3.937	6.38	4.5	0.63	3.80	5.38	0.88	1.5	0.19	1/2	1.72	0.87	2.53	3	24AI	4U211-32 x		
				100	161.9	114.3	15.9	96.5	136.5	22.2	38.1	4.8		43.7	22.1	64.3	76.2				
4U24AJ8-39 x	45M	2-3/4	44	4.331	7.13	5	0.88	4.24	6	1.00	1.88	0.19	9/16	1.84	1	2.91	3.32	24AJ	4U212-39 x		
				110	181.0	127.0	22.2	107.8	152.4	25.4	47.6	4.7		46.7	25.4	73.8	84.3				
4U24AK8-44 x	50M	2-15/16	47	4.921	7.63	5.5	1.00	4.60	6.5	1.00	2	0.11	9/16	1.94	1.19	3.04	4.02	24AK	4U214-44 x		
				125	193.7	139.7	25.4	116.7	165.1	25.4	50.8	2.7		49.3	30.2	77.3	102.1				
4U24AL8-47 x 4U24AL8-75M x 4U24AL8-48 x	75M	3	48	5.128	8.75	6.38	1.13	5.30	7.5	1.00	2.13	0.12	11/16	2.15	1.31	3.40	4.02	24AL	4U215-47 x 4U215-75M x 4U215-48 x		
				130	222.3	161.9	28.6	134.7	190.5	25.4	54.0	3.1		54.6	33.3	86.3	102.1				
				2-3/4	44																
				2-13/16	45																

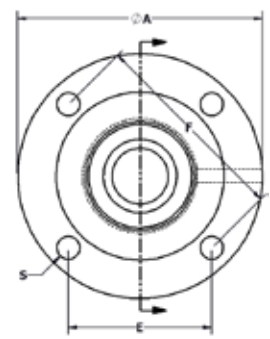
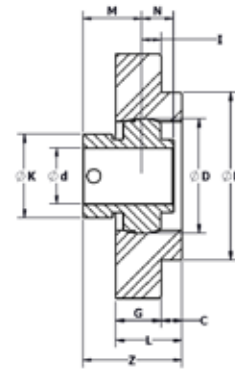
X indicates a 2-letter designation for lube & seals
 G = food grade grease X = standard configuration
 F = food grade EPL O = open (no seal or flinger)
 Other alpha - refer to page 3 Others - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



Stainless Ball Solution® Piloted Flange Bearing



Eccentric lock stainless ball bearing Series "4U"
Piloted flange pattern Series "24"
Polymer housing Series "G"



Polymer Housing



More Sizes / Styles
 Inserts pgs F-5 to F-9
 Eccentric inserts in SS or KG: pgs F-10 to F-34
 QuiKlean® eccentric: pgs F-34 to F-47
 Set screw inserts in SS or KG: pgs F-48 to F-72
 QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	C	E	F	G	L	Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (1+M)	Brg collar size	Housing PN	Ball bearing PN	
	mm	in	16th																		
4U24GC8-25M x 4U24GC8-16 x	25M	1	16	2.047	4.38	3	0.38	2.56	3.63	0.81	1.19	0.34	3/8	1.06	0.56	1.78	1.5	24GC	4U205-25M x 4U205-16 x		
				52	111.1	76.2	9.5	65.1	92.1	20.6	30.2	8.7	26.9	14.2	45.2	38.1					
4U24GD8-30M x 4U24GD8-19 x 4U24GD8-20 x	30M	1-3/16	19	2.441	4.38	3	0.38	2.56	3.63	0.88	1.25	0.34	3/8	1.19	0.63	1.90	1.75	24GD	4U206-30M x 4U206-19x 4U206-20 x		
				62	111.1	76.2	9.5	65.1	92.1	22.2	31.8	8.7	30.2	16.0	48.4	44.5					
				1-1/4	20	2.835	5	3.38	0.38	2.92	4.13	0.88	1.25	0.33	7/16	1.27	0.69	1.98		2.19	24GE
1-3/8	22	72	127.0	85.7	9.5	74.1	104.8	22.2	31.8	8.4	32.3	17.5	50.2	55.6							
4U24GE8-20 x 4U24GE8-22 x 4U24GE8-35M x 4U24GE8-23 x	35M	1-7/16	23	3.150	5.25	3.63	0.44	3.09	4.37	0.88	1.31	0.31	7/16	1.37	0.75	2.12	2.37	24GF	4U208-24 x 4U208-40M x		
				80	133.4	92.1	11.1	78.6	111.0	22.2	33.4	7.9	34.8	19.1	53.9	60.2					
4U24GF8-24 x 4U24GF8-40M x	40M	1-1/2	24	3.346	5.75	4.00	0.44	3.36	4.75	0.88	1.31	0.31	1/2	1.37	0.75	2.12	2.5	24GG-DSC	4U209-28 x		
				85	146.1	101.6	11.1	85.3	120.7	22.2	33.4	7.9	34.8	19.1	53.9	63.5					
4U24GG-DSC8-28 x	50M	1-3/4	28	3.346	5.25	3.63	0.44	3.09	4.38	0.88	1.31	0.31	1/2	1.37	0.75	2.12	2.5	24GG	4U209-28 x 4U209-45M x		
				85	133.4	92.1	11.1	78.6	111.1	22.2	33.4	7.9	34.8	19.1	53.9	63.5					
4U24GG8-28 x 4U24GG8-45M x	50M	1-15/16	31	3.543	6.06	4.25	0.63	3.62	5.13	0.88	1.5	0.24	1/2	1.5	0.75	2.36	2.75	24GH	4U210-31 x 4U210-50M x 4U210-32 x		
				90	153.9	108.0	15.9	92.0	130.2	22.2	38.1	6.0	38.1	19.1	60.0	69.9					
4U24GH8-31 x 4U24GH8-50M x 4U24GH8-32 x	50M	2-3/16	35	3.937	6.38	4.5	0.63	3.80	5.38	0.88	1.5	0.19	1/2	1.72	0.87	2.53	3	24GI	4U211-32 x 4U211-35 x		
				100	161.9	114.3	15.9	96.5	136.5	22.2	38.1	4.8	43.7	22.1	64.3	76.2					
4U24GI8-32 x 4U24GI8-35 x	50M	2-7/16	39	4.331	7.13	5	0.88	4.24	6	1.00	1.88	0.19	9/16	1.84	1	2.91	3.32	24GJ	4U212-39 x		
				110	181.0	127.0	22.2	107.8	152.4	25.4	47.6	4.7	46.7	25.4	73.8	84.3					
4U24GJ8-39 x	75M	2-3/4	44	4.921	7.63	5.5	1.00	4.60	6.5	1.00	2	0.11	9/16	1.94	1.19	3.04	4.02	24GK	4U214-44 x		
				125	193.7	139.7	25.4	116.7	165.1	25.4	50.8	2.7	49.3	30.2	77.3	102.1					
4U24GK8-44 x	75M	2-15/16	47	5.128	8.75	6.38	1.13	5.30	7.5	1.00	2.13	0.12	11/16	2.15	1.31	3.40	4.02	24GL	4U215-47 x 4U215-75M x 4U215-48 x		
				130	222.3	161.9	28.6	134.7	190.5	25.4	54.0	3.1	54.6	33.3	86.3	102.1					
4U24GL8-47 x 4U24GL8-75M x 4U24GL8-48 x	75M	3	48	5.128	8.75	6.38	1.13	5.30	7.5	1.00	2.13	0.12	11/16	2.15	1.31	3.40	4.02	24GL	4U215-47 x 4U215-75M x 4U215-48 x		
				130	222.3	161.9	28.6	134.7	190.5	25.4	54.0	3.1	54.6	33.3	86.3	102.1					
				2-3/4	44																
				2-13/16	45																
4U24GL8-47 x 4U24GL8-75M x 4U24GL8-48 x	75M	2-15/16	47	5.128	8.75	6.38	1.13	5.30	7.5	1.00	2.13	0.12	11/16	2.15	1.31	3.40	4.02	24GL	4U215-47 x 4U215-75M x 4U215-48 x		
				130	222.3	161.9	28.6	134.7	190.5	25.4	54.0	3.1	54.6	33.3	86.3	102.1					

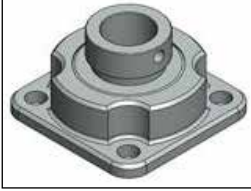
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 G = food grade grease X = standard configuration
 F = food grade EPL O = open (no seal or flinger)
 Other alpha - refer to page 3 Others - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



Stainless Ball Solution® Four-Bolt Flange

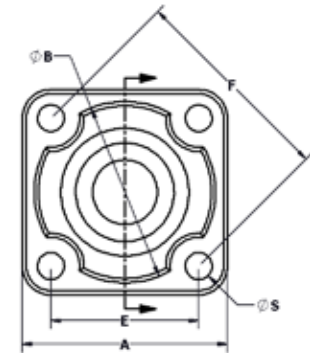
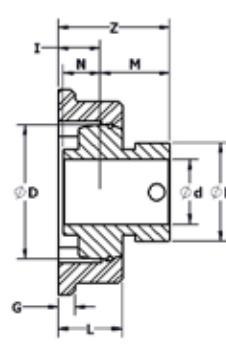
CHOICE

Eccentric lock stainless ball bearing Series "4U"
Standard four-bolt pattern Series "4_-01"
Stainless housing Series "A"



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals



Stainless Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	E	F	G	L	Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th																
4U4AC-018-25M x 4U4AC-018-16 x	25M			2.047 52	3.13 79.5	2.76 70.1	2.25 57.2	3.18 80.8	0.25 6.4	0.97 24.6	0.64 16.3	3/8"	1.06 26.9	0.56 14.2	1.70 43.2	1.5 38.1	4AC-01	4U205-25M x 4U205-16x	

Stainless Ball Solution® Four-Bolt Flange (QuiKlean®) with 5/8" Stand-off

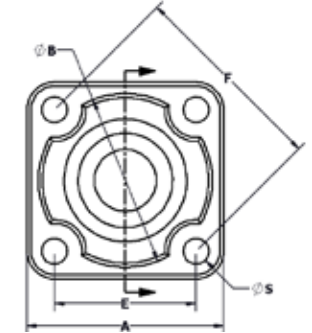
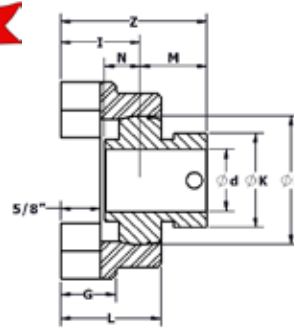
CHOICE

Eccentric lock stainless ball bearing Series "4U"
Standard four-bolt pattern Series "4_-01"
Stainless housing Series "A"
5/8" stand-off above base "QK"



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals



Stainless Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	E	F	G	L	Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th																
4U4AC-01-QK8-25M x 4U4AC-01-QK8-16 x	25M			2.047 52	3.13 79.5	2.76 70.1	2.25 57.2	3.18 80.8	0.88 22.2	1.60 40.5	1.27 32.1	3/8"	1.06 26.9	0.56 14.2	2.33 59.1	1.5 38.1	4AC-01-QK	4U205-25M x 4U205-16 x	

QuiKlean® housing
with integral standoff
is 5/8" above the base
of standard units

X indicates a 2-letter designation for lube & seals
G = food grade grease X = standard configuration
F = food grade EPL O = open (no seal or flinger)
Other alpha - refer to page 3 Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

Stainless Ball Solution® Breader Bearing

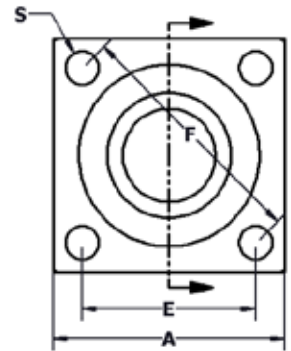
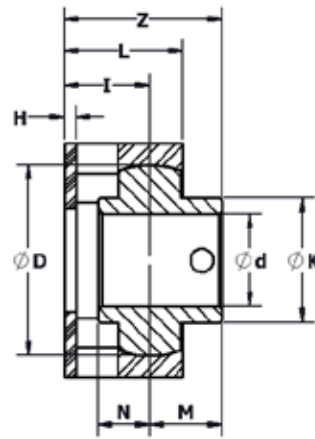
CLASSIC

Stainless QuiKlean® housing
 Assembly includes PA backing plate
 and stainless ball bearing, either:
 Food grade solid lubricant (prefix ZJ)
 Food grade grease (prefix ZY)
 H1 graphite lubricant (prefix ZW)



More Sizes / Styles
 Inserts pgs F-5 to F-9
 Eccentric inserts in SS or KG: pgs F-10 to F-34
 QuiKlean® eccentric: pgs F-34 to F-47
 Set screw inserts in SS or KG: pgs F-48 to F-72
 QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals



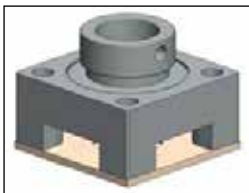
Stainless Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	E	F	H	L	I	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Standoff	Housing PN	Ball bearing PN
	in	16th	16th																
ZJA100-QK8-3/4	3/4	12	12	2.047	2.5	1.875	2.65	0.13	1.28	0.93	5/16	0.78	0.56	1.71	1.34	0.50 / 12.7	ZA100-QK	SETScrew	
ZJA100-QK8-1	1	16	16	52	63.5	47.6	67.3	3.2	32.5	23.6		19.8	14.2	43.4	34.0			4Y205-12FX	
ZWA100-QK8-1	1	16	16																4Y205-16FX
ZYA100-QK8-1	1	16	16																4Y205-16WX
																			4Y205-16GX

Stainless Ball Solution® Breader Bearing

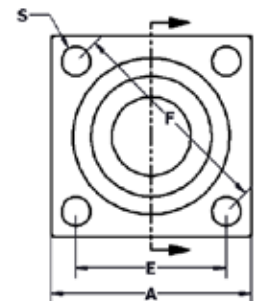
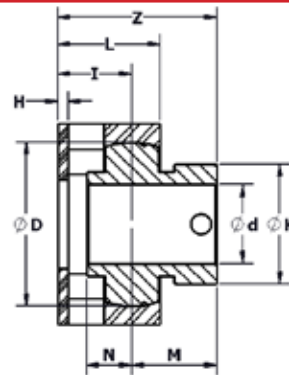
CHOICE

Stainless QuiKlean® housing
 Assembly includes PA backing plate
 and stainless ball bearing with
 food grade solid lubricant (prefix ZJ)



More Sizes / Styles
 Inserts pgs F-5 to F-9
 Eccentric inserts in SS or KG: pgs F-10 to F-34
 QuiKlean® eccentric: pgs F-34 to F-47
 Set screw inserts in SS or KG: pgs F-48 to F-72
 QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals



Stainless Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	E	F	H	L	I	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th															
ZEJA100-QK8-1		1	16	2.047	2.5	1.875	2.65	0.13	1.28	0.93	5/16	1.06	0.56	1.99	1.5	ZA100-QK	WIDE ECC	
				52	63.5	47.6	67.3	3.2	32.5	23.6		26.9	14.2	50.5	38.1			4U205-1FX

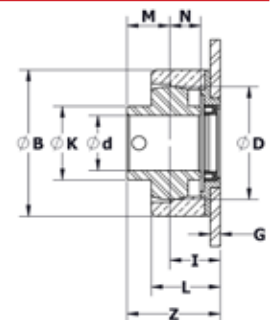
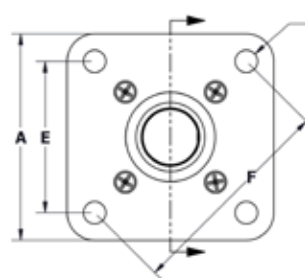
Stainless Ball Solution® Breader Auger

CLASSIC

For vertical shaft on JBT Breader
 Stainless four bolt flange
 with exclusionary seal
 and solid lubricant, stainless ball bearing



X indicates a 2-letter designation for lube & seals
 G = food grade grease
 F = food grade EPL
 Other alpha - refer to page 3
 Example: GX = food grade grease with standard seals & flingers
 X = standard configuration
 O = open (no seal or flinger)
 Others - refer to page 3



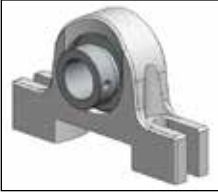
Stainless Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	E	F	G	I	L	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Seal	Housing PN	Ball bearing PN
	in	16th	16th																	
ZJA400-ON8-1	1	16	16	2.047	3.75	2.66	2.75	3.89	0.18	0.91	1.25	31.8	3/8	0.78	0.56	1.69	1.34	EDT-Glove® C	ZA100-QK	SETScrew
				52	95.3	67.6	69.9	98.8	4.6	23.12	31.8			19.8	14.2	42.3	34.0			4Y205-16FX

Stainless Ball Solution® Pillow Block (QuiKlean®) with 5/8" Stand-off

CHOICE

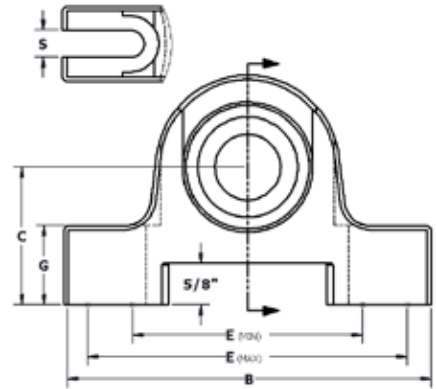
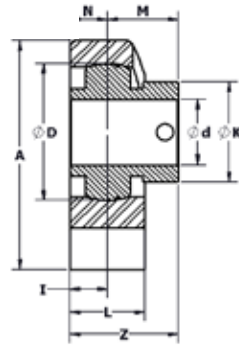
Eccentric lock stainless ball bearing Series "4U"
Standard backing height Series "1"
Stainless housing Series "A"
5/8" stand-off above base "QK"



More Sizes / Styles

Inserts pgs F-5 to F-9
 Eccentric inserts in SS or KG: pgs F-10 to F-34
 QuiKlean® eccentric: pgs F-34 to F-47
 Set screw inserts in SS or KG: pgs F-48 to F-72
 QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals



Stainless Housing

QK only available on standard height

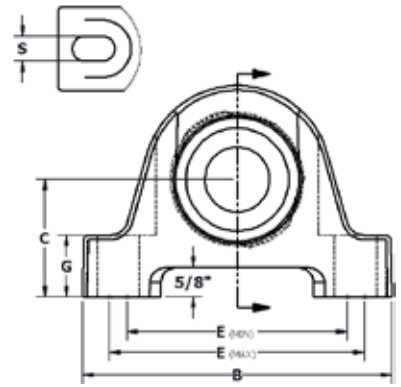
MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	C	E min	E max	G	L	I	S	M	N	Z	K	Housing PN	Ball bearing PN
	mm	in	16th																	
4U1AC-QK8-25M x 4U1AC-QK8-16 x	25M	1	16	2.047 52	3.438 87.3	5.5 139.7	2.063 52.4	3.44 87.4	4.63 117.6	1.188 30.2	1.13 28.7	0.56 14.2	3/8	1.06 26.9	0.56 14.2	1.62 41.1	1.5 38.1	1AC-QK	4U205-25M x 4U205-16 x	

QuiKlean® housing
with integral standoff
is 5/8" above the base
of standard units

X indicates a 2-letter designation for lube & seals
 G = food grade grease X = standard configuration
 F = food grade EPL O = open (no seal or flinger)
 Other alpha - refer to page 3 Others - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



Stainless Ball Solution® Pillow Block (QuiKlean®) with 5/8" Stand-off



Polymer Housing

Eccentric lock stainless ball bearing Series "4U"
Standard backing height Series "1"
Polymer housing Series "G"
5/8" stand-off above base "QK"



More Sizes / Styles
 Inserts pgs F-5 to F-9
 Eccentric inserts in SS or KG: pgs F-10 to F-34
 QuiKlean® eccentric: pgs F-34 to F-47
 Set screw inserts in SS or KG: pgs F-48 to F-72
 QuiKlean® set screw: pgs F-72 to F-85

"X" indicates a 2-letter designation referring to lube & seals

QK only available on standard height

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	C	E min	E max	G	L	I	S	M	N	Z	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th																		
4U1GA-QK8-08 x 4U1GA-QK8-10 x	1/2	8	8	1.575	2.88	5	1.69	2.94	4.06	1.06	1.25	0.63	3/8	0.91	0.39	1.54	1.13	0.97	1AA-QK	4U203-08 x 4U203-10 x	
4U1GB-QK8-08 x 4U1GB-QK8-10 x 4U1GB-QK8-12 x 4U1GB-QK8-20M x	1/2	8	10	1.850	3.31	5.27	1.94	3.25	4.38	1.13	1.4	0.69	3/8	1.05	0.5	1.74	1.31	1.14	1AB-QK	4U204-08 x 4U204-10 x 4U204-12 x 4U204-20M x	
4U1GC-QK8-25M x 4U1GC-QK8-16 x	3/4	12	20M	2.047	3.56	5.5	2.06	3.44	4.63	1.19	1.52	0.75	3/8	1.06	0.56	1.81	1.5	1.34	1AC-QK	4U205-25M x 4U205-16 x	
4U1GD-QK8-30M x 4U1GD-QK8-19 x 4U1GD-QK8-20 x	1	16	25M	2.441	4	6.25	2.31	4.13	5.13	1.31	1.75	0.88	1/2	1.19	0.63	2.07	1.75	1.59	1AD-QK	4U206-30M x 4U206-19 x 4U206-20 x	
4U1GE-QK8-20 x 4U1GE-QK8-22 x 4U1GE-QK8-35M x 4U1GE-QK8-23 x	1-3/16	19	30M	2.835	4.5	6.56	2.5	4.69	5.44	1.31	1.75	0.88	1/2	1.27	0.69	2.15	2.19	1.84	1AE-QK	4U207-20 x 4U207-22 x 4U207-35M x 4U207-23 x	
4U1GF-QK8-24 x 4U1GF-QK8-40M x	1-1/4	20	35M	3.150	4.94	7.25	2.75	5	6.13	1.38	1.94	0.97	1/2	1.37	0.75	2.34	2.37	2.08	1AF-QK	4U208-24 x 4U208-40M x	
	1-1/4	24	40M	80	125.5	184.2	69.9	127.0	155.7	34.9	49.3	24.6		34.8	19.1	59.4	60.2	52.8			

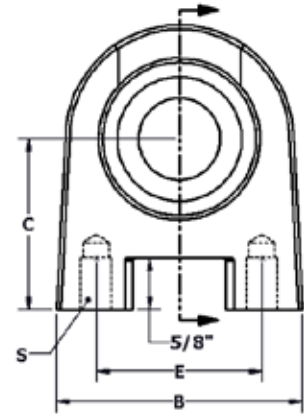
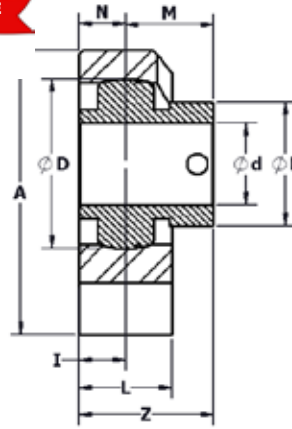
QuiKlean® housing with integral standoff is 5/8" above the base of standard units

X indicates a 2-letter designation for lube & seals
 G = food grade grease X = standard configuration
 F = food grade EPL O = open (no seal or flinger)
 Other alpha - refer to page 3 Others - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



Stainless Ball Solution® Tapped Base Pillow Block (QuiKlean®) with 5/8" Stand-off

CHOICE



Stainless Housing

Eccentric lock stainless ball bearing Series "4U"
Tapped base housing Series "9"
Stainless housing Series "A"
5/8" stand-off above base "QK"



More Sizes / Styles

Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			sphere OD size	D	A	B	C	E	L	I	Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th																
4U9AA-QK8-08 x 4U9AA-QK8-10 x	1/2 5/8	8 10	16th	1.575 40	3.03 77.0	2.88 73.2	1.94 49.3	2 50.8	1.13 28.7	0.56 14.2	3/8-16	0.91 23.1	0.39 9.9	1.47 37.3	1.13 28.7	9AA-QK	4U203-08 x 4U203-10 x		
4U9AB-QK8-08 x 4U9AB-QK8-10 x 4U9AB-QK8-12 x 4U9AB-QK8-20M x	1/2 5/8 3/4	8 10 12	20M	1.850 47	3.16 80.3	2.88 73.2	1.94 49.3	2 50.8	1.13 28.7	0.56 14.2	3/8-16	1.05 26.7	0.5 12.7	1.61 40.9	1.31 33.3	9AB-QK	4U204-08 x 4U204-10 x 4U204-12 x 4U204-20M x		
4U9AC-QK8-25M x 4U9AC-QK8-16 x	1	16	25M	2.047 52	3.44 87.4	3 76.2	2.06 52.3	2 50.8	1.13 28.7	0.56 14.2	3/8-16	1.06 26.9	0.56 14.2	1.62 41.1	1.5 38.1	9AC-QK	4U205-25M x 4U205-16 x		
4U9AD-QK8-30M x 4U9AD-QK8-19 x 4U9AD-QK8-20 x	1-3/16 1-1/4	19 20	30M	2.441 62	3.88 98.6	4 101.6	2.31 58.7	3 76.2	1.47 37.3	0.74 18.8	7/16-14	1.19 30.2	0.63 16.0	1.93 49.0	1.75 44.5	9AD-QK	4U206-30M x 4U206-19 x 4U206-20 x		
4U9AE-QK8-20 x 4U9AE-QK8-22 x 4U9AE-QK8-35M x 4U9AE-QK8-23 x	1-1/4 1-3/8 1-7/16	20 22 23	35M	2.835 72	4.31 109.5	4.25 108.0	2.5 63.5	3.25 82.6	1.47 37.3	0.74 18.8	1/2-13	1.27 32.3	0.69 17.5	2.01 51.1	2.19 55.6	9AE-QK	4U207-20 x 4U207-22 x 4U207-35M x 4U207-23 x		
4U9AF-QK8-24 x 4U9AF-QK8-40M x	1-1/2	24	40M	3.150 80	4.56 115.8	4.63 117.6	2.56 65.0	3.5 88.9	1.63 41.4	0.81 20.6	1/2-13	1.37 34.8	0.75 19.1	2.18 55.4	2.37 60.2	9AF-QK	4U208-24 x 4U208-40M x		

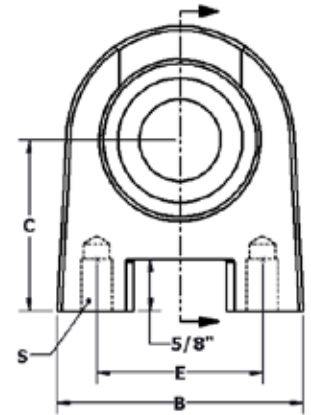
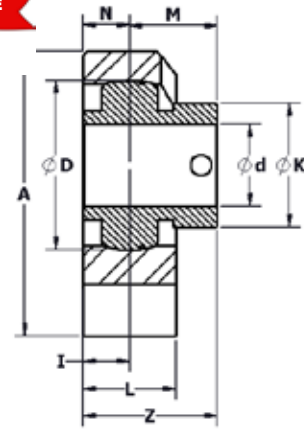
QuiKlean® housing
with integral standoff
is 5/8" above the base
of standard units

X indicates a 2-letter designation for lube & seals
G = food grade grease X = standard configuration
F = food grade EPL O = open (no seal or flinger)
Other alpha - refer to page 3 Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers



Stainless Ball Solution® Tapped Base Pillow Block (QuiKlean®) with 5/8" Stand-off

CHOICE



Polymer Housing

Eccentric lock stainless ball bearing Series "4U"
Tapped base housing Series "9"
Polymer housing Series "G"
5/8" stand-off above base "QK"



More Sizes / Styles
 Inserts pgs F-5 to F-9
 Eccentric inserts in SS or KG: pgs F-10 to F-34
 QuiKlean® eccentric: pgs F-34 to F-47
 Set screw inserts in SS or KG: pgs F-48 to F-72
 QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	C	E	L	I	S	M	N	Z	K	Housing PN	Ball bearing PN
	mm	in	16th															
4U9GA-QK8-08 x 4U9GA-QK8-10 x	1/2 5/8	8 10		1.575 40	3.08 78.2	2.94 74.7	1.94 49.3	2 50.8	1.12 28.4	0.56 14.2		3/8-16	0.91 23.1	0.39 9.9	1.47 37.3	1.13 28.7	9GA-QK	4U203-08 x 4U203-10 x
4U9GB-QK8-08 x 4U9GB-QK8-10 x 4U9GB-QK8-12 x 4U9GB-QK8-20M x	1/2 5/8 3/4 20M	8 10 12		1.850 47	3.2 81.3	3.07 78.0	1.94 49.3	2 50.8	1.13 28.7	0.56 14.2		3/8-16	1.05 26.7	0.5 12.7	1.61 40.9	1.31 33.3	9GB-QK	4U204-08 x 4U204-10 x 4U204-12 x 4U204-20M x
4U9GC-QK8-25M x 4U9GC-QK8-16 x	25M 1	16		2.047 52	3.44 87.4	3.11 79.0	2.06 52.3	2 50.8	1.16 29.5	0.57 14.5		3/8-16	1.06 26.9	0.56 14.2	1.63 41.4	1.5 38.1	9GC-QK	4U205-25M x 4U205-16 x
4U9GD-QK8-30M x 4U9GD-QK8-19 x 4U9GD-QK8-20 x	30M 1-3/16 1-1/4	19 20		2.441 62	4 101.6	4.25 108.0	2.31 58.7	3 76.2	1.63 41.4	0.81 20.6		7/16-14	1.19 30.2	0.63 16.0	2.00 50.8	1.75 44.5	9GD-QK	4U206-30M x 4U206-19 x 4U206-20 x
4U9GE-QK8-20 x 4U9GE-QK8-22 x 4U9GE-QK8-35M x 4U9GE-QK8-23 x	1-1/4 1-3/8 35M 1-7/16	20 22 23		2.835 72	4.5 114.3	4.66 118.4	2.5 63.5	3.25 82.6	1.75 44.5	0.88 22.4		1/2-13	1.27 32.3	0.69 17.5	2.15 54.6	2.19 55.6	9GE-QK	4U207-20 x 4U207-22 x 4U207-35M x 4U207-23 x
4U9GF-QK8-24 x 4U9GF-QK8-40M x	1-1/2 40M	24		3.150 80	4.75 120.7	4.75 120.7	2.56 65.0	3.5 88.9	1.88 47.8	0.94 23.9		1/2-13	1.37 34.8	0.75 19.1	2.31 58.7	2.37 60.2	9GF-QK	4U208-24 x 4U208-40M x

QuiKlean® housing
with integral standoff
is 5/8" above the base
of standard units

X indicates a 2-letter designation for lube & seals
 G = food grade grease
 F = food grade EPL
 Other alpha - refer to page 3
 X = standard configuration
 O = open (no seal or flinger)
 Others - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



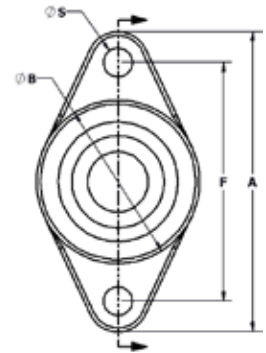
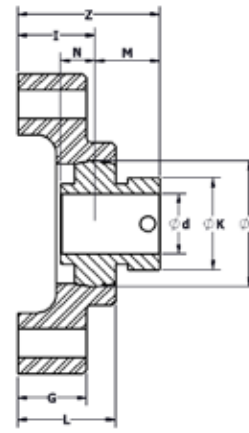
Stainless Ball Solution® Two-Bolt Flange (QuiKlean®) with 5/8" Stand-off

CHOICE

Eccentric lock stainless ball bearing Series "4U"
Standard two-bolt pattern Series "2"
Stainless housing Series "A"
5/8" stand-off above base "QK"



More Sizes / Styles
 Inserts pgs F-5 to F-9
 Eccentric inserts in SS or KG: pgs F-10 to F-34
 QuiKlean® eccentric: pgs F-34 to F-47
 Set screw inserts in SS or KG: pgs F-48 to F-72
 QuiKlean® set screw: pgs F-72 to F-85



Stainless Housing

"X" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER				Sphere OD						Sph	Bolt	Brg c/l	Brg c/l	Overall LTB	Brg	Housing	Ball bearing
	mm	in	16th	D	A	B	E	G	L	depth	size	to front	to back	of brg + hsg (I+M)	collar size		
4U2AA-QK8-08 x 4U2AA-QK8-10 x		1/2 5/8	8 10	1.575 40	3.88 98.6	2.15 54.6	3 76.2	1.06 27.0	1.47 37.3	1.15 29.2	3/8"	0.91 23.1	0.39 9.9	2.06 52.3	1.13 28.7	2AA-QK	4U203-08 x 4U203-10 x
4U2AB-QK8-08 x 4U2AB-QK8-10 x 4U2AB-QK8-12 x 4U2AB-QK8-20M x		1/2 5/8 3/4 20M	8 10 12	1.850 47	4.41 112.0	2.42 61.5	3.53 89.7	1.06 27.0	1.58 40.1	1.22 31.0	3/8"	1.05 26.7	0.5 12.7	2.27 57.7	1.31 33.3	2AB-QK	4U204-08 x 4U204-10 x 4U204-12 x 4U204-20M x
4U2AC-QK8-25M x 4U2AC-QK8-16 x		25M 1	16	2.047 52	4.89 124.2	2.66 67.6	3.89 98.8	1.13 28.6	1.6 40.6	1.16 29.5	7/16"	1.06 26.9	0.56 14.2	2.22 56.4	1.5 38.1	2AC-QK	4U205-25M x 4U205-16 x
4U2AD-QK8-30M x 4U2AD-QK8-19 x 4U2AD-QK8-20 x		30M 1-3/16 1-1/4	19 20	2.441 62	5.69 144.5	3.12 79.2	4.6 116.8	1.13 28.6	1.69 42.9	1.28 32.5	7/16"	1.19 30.2	0.63 16.0	2.47 62.7	1.75 44.5	2AD-QK	4U206-30M x 4U206-19 x 4U206-20 x
4U2AE-QK8-20 x 4U2AE-QK8-22 x 4U2AE-QK8-35M x 4U2AE-QK8-23 x		1-1/4 1-3/8 35M 1-7/16	20 22 23	2.835 72	6.25 158.8	3.62 91.9	5.12 130.0	1.19 30.2	1.85 47.0	1.42 36.1	1/2"	1.27 32.3	0.69 17.5	2.69 68.3	2.19 55.6	2AE-QK	4U207-20 x 4U207-22 x 4U207-35M x 4U207-23 x
4U2AF-QK8-24 x 4U2AF-QK8-40M x		1-1/2 40M	24	3.150 80	6.78 172.2	4 101.6	5.66 143.8	1.19 30.2	1.87 47.5	1.39 35.3	1/2"	1.37 34.8	0.75 19.1	2.76 70.1	2.37 60.2	2AF-QK	4U208-24 x 4U208-40M x

QuiKlean® housing
with integral standoff
is 5/8" above the base
of standard units

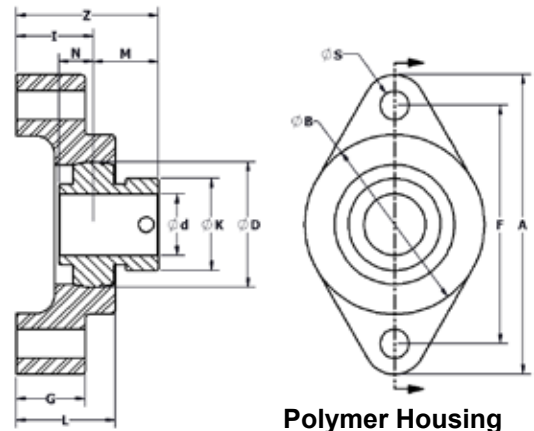
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 G = food grade grease X = standard configuration
 F = food grade EPL O = open (no seal or flinger)
 Other alpha - refer to page 3 Others - refer to page 3
 Example: GX = food grade grease with standard seals & fingers



Stainless Ball Solution® Two-Bolt Flange (QuiKlean®) with 5/8" Stand-off

CHOICE

Eccentric lock stainless ball bearing Series "4U"
Standard two-bolt pattern Series "2"
Polymer housing Series "G"
5/8" stand-off above base "QK"



Polymer Housing



More Sizes / Styles
 Inserts pgs F-5 to F-9
 Eccentric inserts in SS or KG: pgs F-10 to F-34
 QuiKlean® eccentric: pgs F-34 to F-47
 Set screw inserts in SS or KG: pgs F-48 to F-72
 QuiKlean® set screw: pgs F-72 to F-85

"X" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	F	G	L	Sph depth	I	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th																
4U2GA-QK8-08 x 4U2GA-QK8-10 x	1/2 5/8	8 10		1.575 40	3.88 98.6	2.15 54.6	3 76.2	1.06 26.9	1.47 37.3	1.15 29.2	3/8"	0.91 23.1	0.39 9.9	2.06 52.3	1.13 28.7			2GA-QK	4U203-08 x 4U203-10 x
4U2GB-QK8-08 x 4U2GB-QK8-10 x 4U2GB-QK8-12 x 4U2GB-QK8-20M x	1/2 5/8 3/4 20M	8 10 12		1.850 47	4.41 112.0	2.69 68.3	3.53 89.7	1.06 26.9	1.58 40.1	1.22 31.0	3/8"	1.05 26.7	0.5 12.7	2.27 57.7	1.31 33.3			2GB-QK	4U204-08 x 4U204-10 x 4U204-12 x 4U204-20M x
4U2GC-QK8-25M x 4U2GC-QK8-16 x	25M 1		16	2.047 52	4.89 124.2	2.93 74.4	3.89 98.8	1.13 28.6	1.62 41.0	1.26 32.0	7/16"	1.06 26.9	0.56 14.2	2.32 58.9	1.5 38.1			2GC-QK	4U205-25M x 4U205-16 x
4U2GD-QK8-30M x 4U2GD-QK8-19 x 4U2GD-QK8-20 x	30M 1-3/16 1-1/4		19 20	2.441 62	5.59 142.0	3.625 92.1	4.59 116.6	1.13 28.6	1.69 42.9	1.28 32.5	7/16"	1.19 30.2	0.63 16.0	2.47 62.7	1.75 44.5			2GD-QK	4U206-30M x 4U206-19 x 4U206-20 x
4U2GE-QK8-20 x 4U2GE-QK8-22 x 4U2GE-QK8-35M x 4U2GE-QK8-23 x	1-1/4 1-3/8 35M 1-7/16	20 22 23		2.835 72	6.25 158.8	4 101.6	5.12 130.0	1.19 30.2	1.85 47.0	1.42 36.1	1/2"	1.27 32.3	0.69 17.5	2.69 68.3	2.19 55.6			2GE-QK	4U207-20 x 4U207-22 x 4U207-35M x 4U207-23 x
4U2GF-QK8-24 x 4U2GF-QK8-40M x	1-1/2 40M	24		3.150 80	6.78 172.2	4.56 115.8	5.66 143.8	1.19 30.2	1.87 47.5	1.39 35.3	1/2"	1.37 34.8	0.75 19.1	2.76 70.1	2.37 60.2			2GF-QK	4U208-24 x 4U208-40M x

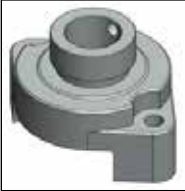
QuiKlean® housing with integral standoff is 5/8" above the base of standard units

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 F = food grade EPL O = open (no seal or flinger)
 Other alpha - refer to page 3 Others - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



Stainless Ball Solution® Small Two-Bolt Flange (QuiKlean®) with 5/8" Stand-off

Eccentric lock stainless ball bearing Series "4U"
Small two-bolt pattern Series "6"
Stainless housing Series "A"
5/8" stand-off above base "QK"

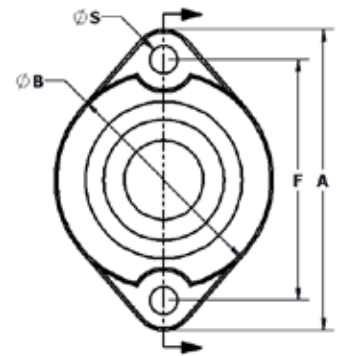
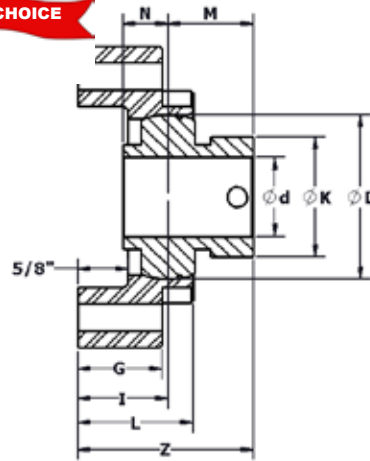


More Sizes / Styles

Inserts pgs F-5 to F-9
 Eccentric inserts in SS or KG: pgs F-10 to F-34
 QuiKlean® eccentric: pgs F-34 to F-47
 Set screw inserts in SS or KG: pgs F-48 to F-72
 QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals

CHOICE



Stainless Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	F	G	L	I	Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg + hsg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th																
4U6AE-QK8-20 x		1-1/4	20	2.835	4.94	3.5	3.94	1.13	1.58	1.19	3/8	1.27	0.69	2.46	2.19	6AE-QK	4U207-20 x		
4U6AE-QK8-22 x		1-3/8	22	72	125.5	88.9	100.1	28.7	40.1	30.2		32.3	17.5	62.5	55.6		4U207-22 x		
4U6AE-QK8-35M x	35M																	4U207-35M x	
4U6AE-QK8-23 x		1-7/16	23															4U207-23 x	

Stainless Ball Solution® Small Two-Bolt Flange (QuiKlean®) with 5/8" Stand-off

Eccentric lock stainless ball bearing Series "4U"
Small two-bolt pattern Series "6"
Polymer housing Series "G"
5/8" stand-off above base "QK"

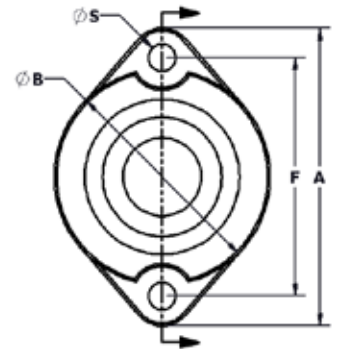
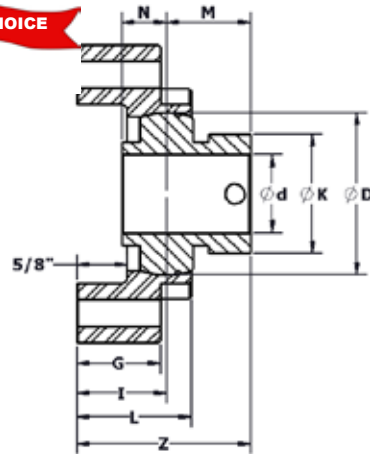


More Sizes / Styles

Inserts pgs F-5 to F-9
 Eccentric inserts in SS or KG: pgs F-10 to F-34
 QuiKlean® eccentric: pgs F-34 to F-47
 Set screw inserts in SS or KG: pgs F-48 to F-72
 QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals

CHOICE



Polymer Housing

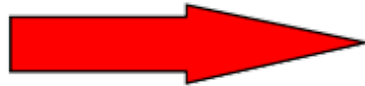
MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	F	G	L	I	Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg + hsg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th																
4U6GE-QK8-20 x		1-1/4	20	2.835	4.94	3.5	3.94	1.13	1.58	1.19	3/8	1.27	0.69	2.46	2.19	6GE-QK	4U207-20 x		
4U6GE-QK8-22 x		1-3/8	22	72	125.5	88.9	100.1	28.7	40.1	30.2		32.3	17.5	62.5	55.6		4U207-22 x		
4U6GE-QK8-35M x	35M																	4U207-35M x	
4U6GE-QK8-23 x		1-7/16	23															4U207-23 x	

**QuiKlean® housing
with integral standoff
is 5/8" above the base
of standard units**

X indicates a 2-letter designation for lube & seals
 G = food grade grease X = standard configuration
 F = food grade EPL O = open (no seal or flinger)
 Other alpha - refer to page 3 Others - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



**ECENTRIC
BALL BEARINGS
CONTINUE ON
PAGE 44**



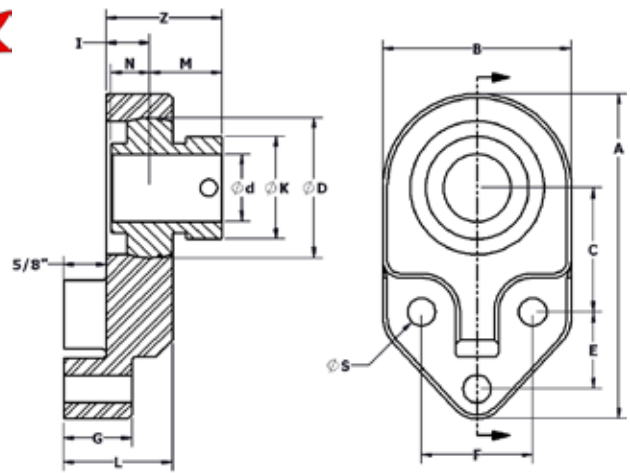
Stainless Ball Solution® Three-Bolt Flange (QuiKlean®) with 5/8" Stand-off

CHOICE

Eccentric lock stainless ball bearing Series "4U"
Standard three-bolt pattern Series "3"
Stainless housing Series "A"
5/8" stand-off above base "QK"



More Sizes / Styles
 Inserts pgs F-5 to F-9
 Eccentric inserts in SS or KG: pgs F-10 to F-34
 QuiKlean® eccentric: pgs F-34 to F-47
 Set screw inserts in SS or KG: pgs F-48 to F-72
 QuiKlean® set screw: pgs F-72 to F-85



Stainless Housing

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	C	E	F	G	L	I	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th																	
4U3AE-QK8-20 x		1-1/4	20	2.835	6	3.63	2.38	1.25	2	1.125	1.85	0.79	1/2"	1.27	0.69	2.06	2.19	3AE-QK	4U207-20 x	
4U3AE-QK8-22 x		1-3/8	22	72	152.4	92.2	60.5	31.8	50.8	28.6	46.9	20.1		32.3	17.5	52.3	55.6		4U207-22 x	
4U3AE-QK8-35M x	35M																			4U207-35M x
4U3AE-QK8-23 x		1-7/16	23																	4U207-23 x

QuiKlean® housing
with integral standoff
is 5/8" above the base
of standard units

X indicates a 2-letter designation for lube & seals
 G = food grade grease X = standard configuration
 F = food grade EPL O = open (no seal or flinger)
 Other alpha - refer to page 3 Others - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



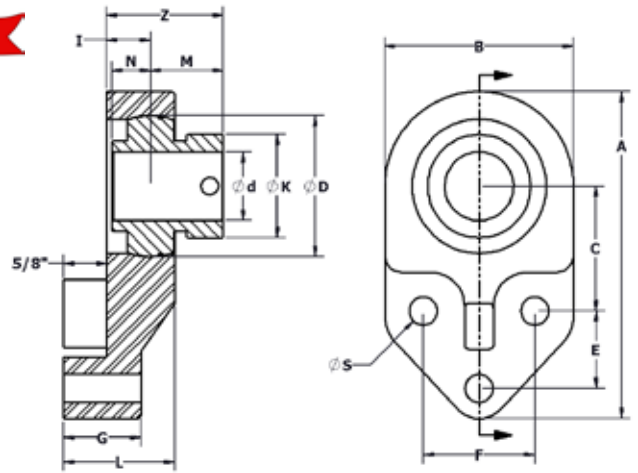
Stainless Ball Solution® Three-Bolt Flange (QuiKlean®) with 5/8" Stand-off

CHOICE

Eccentric lock stainless ball bearing Series "4U"
Standard three-bolt pattern Series "3"
Polymer housing Series "G"
5/8" stand-off above base "QK"



More Sizes / Styles
 Inserts pgs F-5 to F-9
 Eccentric inserts in SS or KG; pgs F-10 to F-34
 QuiKlean® eccentric; pgs F-34 to F-47
 Set screw inserts in SS or KG; pgs F-48 to F-72
 QuiKlean® set screw; pgs F-72 to F-85



Polymer Housing

"X" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	C	E	F	G	L	I	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th																	
4U3GA-QK8-08 x 4U3GA-QK8-10 x	1/2 5/8	8 10		1.575 40	3.66 93.0	2.19 55.6	1.38 35.1	0.81 20.6	1.25 31.8	1.06 26.9	1.47 37.3	0.53 13.5	5/16"	0.91 23.1	0.39 9.9	1.44 36.6	1.13 28.7	3GA-QK	4U203-08 x 4U203-10 x	
4U3GB-QK8-08 x 4U3GB-QK8-10 x 4U3GB-QK8-12 x 4U3GB-QK8-20M x	1/2 5/8 3/4 20M	8 10 12		1.850 47	4.34 110.2	2.56 65.0	1.69 42.9	0.88 22.4	1.5 38.1	1.06 26.9	1.58 40.1	0.59 15.0	3/8"	1.05 26.7	0.5 12.7	1.64 41.7	1.31 33.3	3GB-QK	4U204-08 x 4U204-10 x 4U204-12 x 4U204-20M x	
4U3GC-QK8-25M x 4U3GC-QK8-16 x	25M 1	16		2.047 52	4.75 120.7	2.75 69.9	1.81 46.0	1.13 28.6	1.63 41.4	1.13 28.6	1.615 41.0	0.64 16.1	3/8"	1.06 26.9	0.56 14.2	1.70 43.1	1.5 38.1	3GC-QK	4U205-25M x 4U205-16 x	
4U3GD-QK8-30M x 4U3GD-QK8-19 x 4U3GD-QK8-20 x	30M 1-3/16 1-1/4	19 20		2.441 62	5.44 138.2	3.25 82.6	2.06 52.3	1.25 31.8	1.88 47.8	1.125 28.6	1.69 42.9	0.66 16.8	3/8"	1.19 30.2	0.63 16.0	1.85 47.0	1.75 44.5	3GD-QK	4U206-30M x 4U206-19 x 4U206-20 x	
4U3GE-QK8-20 x 4U3GE-QK8-22 x 4U3GE-QK8-35M x 4U3GE-QK8-23 x	1-1/4 1-3/8 35M 1-7/16	20 22 23		2.835 72	6.19 157.2	3.81 96.8	2.38 60.5	1.25 31.8	2 50.8	1.19 30.2	1.85 47.0	0.79 20.1	1/2"	1.27 32.3	0.69 17.5	2.06 52.3	2.19 55.6	3GE-QK	4U207-20 x 4U207-22 x 4U207-35M x 4U207-23 x	
4U3GF-QK8-24 x 4U3GF-QK8-40M x	1-1/2 40M	24		3.150 80	6.72 170.7	4.25 108.0	2.56 65.0	1.38 35.1	2.25 57.2	1.19 30.2	1.86 47.2	0.77 19.6	1/2"	1.37 34.8	0.75 19.1	2.14 54.4	2.37 60.2	3GF-QK	4U208-24 x 4U208-40Mx	

QuiKlean® housing
with integral standoff
is 5/8" above the base
of standard units

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 Other alpha - refer to page 3 Others - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



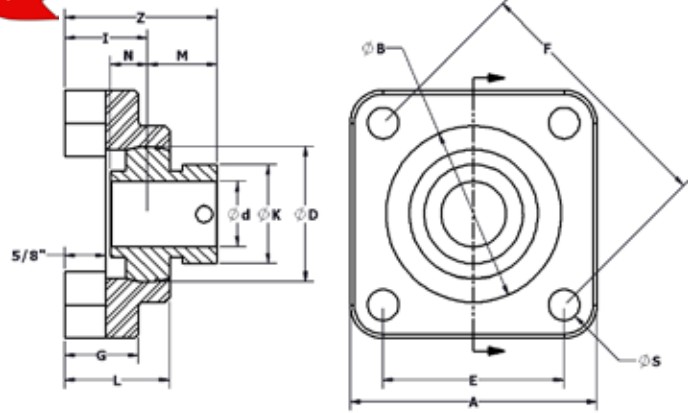
Stainless Ball Solution® Four-Bolt Flange (QuiKlean®) with 5/8" Stand-off

Eccentric lock stainless ball bearing Series "4U"
Standard four-bolt pattern Series "4"
Stainless housing Series "A"
5/8" stand-off above base "QK"



More Sizes / Styles
 Inserts pgs F-5 to F-9
 Eccentric inserts in SS or KG: pgs F-10 to F-34
 QuiKlean® eccentric: pgs F-34 to F-47
 Set screw inserts in SS or KG: pgs F-48 to F-72
 QuiKlean® set screw: pgs F-72 to F-85

CHOICE



Stainless Housing

"X" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	E	F	G	L	I	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th																
4U4AB-QK8-08 x		1/2	8	1.850	3.37	2.42	2.5	3.54	1.06	1.58	1.22	3/8"	1.05	0.5	2.27	1.31	4AB-QK	4U204-08 x	
4U4AB-QK8-10 x		5/8	10	47	85.6	61.5	63.5	89.9	26.9	40.1	31.0		26.7	12.7	57.7	33.3		4U204-10 x	
4U4AB-QK8-12 x		3/4	12																4U204-12 x
4U4AB-QK8-20M x	20M																		4U204-20M x
4U4AC-QK8-25M x	25M			2.047	3.75	2.66	2.75	3.89	1.13	1.6	1.26	7/16"	1.06	0.56	2.32	1.5	4AC-QK	4U205-25M x	
4U4AC-QK8-16 x		1	16	52	95.3	67.6	69.9	98.8	28.7	40.6	32.0		26.9	14.2	58.9	38.1		4U205-16 x	
4U4AD-QK8-30M x	30M			2.441	4.25	3.12	3.25	4.59	1.13	1.69	1.28	7/16"	1.19	0.63	2.47	1.75	4AD-QK	4U206-30M x	
4U4AD-QK8-19 x		1-3/16	19	62	108.0	79.2	82.6	116.6	28.7	42.9	32.5		30.2	16.0	62.7	44.5		4U206-19 x	
4U4AD-QK8-20 x		1-1/4	20																4U206-20 x
4U4AE-QK8-20 x		1-1/4	20	2.835	4.75	3.62	3.62	5.13	1.19	1.85	1.42	1/2"	1.27	0.69	2.69	2.19	4AE-QK	4U207-20 x	
4U4AE-QK8-22 x		1-3/8	22	72	120.7	91.9	91.9	130.3	30.2	47.0	36.1		32.3	17.5	68.3	55.6		4U207-22 x	
4U4AE-QK8-35M x	35M																		4U207-35M x
4U4AE-QK8-23 x		1-7/16	23																4U207-23 x
4U4AF-QK8-24 x		1-1/2	24	3.150	5.12	4	4	5.66	1.19	1.87	1.39	1/2"	1.37	0.75	2.76	2.37	4AF-QK	4U208-24 x	
4U4AF-QK8-40M x	40M			80	130.0	101.6	101.6	143.8	30.2	47.5	35.3		34.8	19.1	70.1	60.2		4U208-40M x	

QuiKlean® housing
with integral standoff
is 5/8" above the base
of standard units

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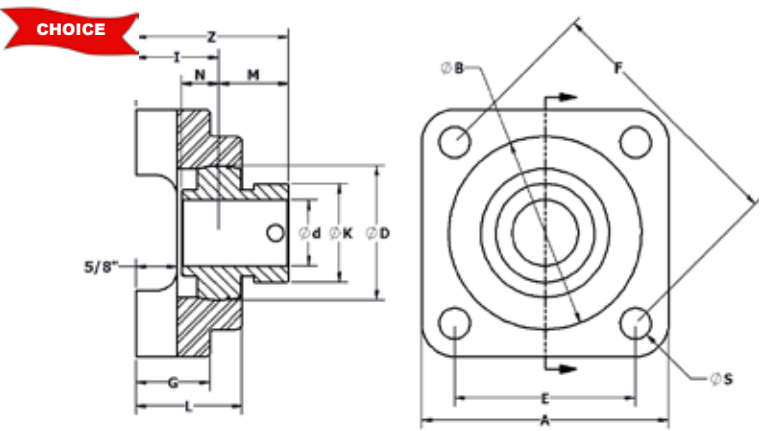


Stainless Ball Solution® Four-Bolt Flange (QuiKlean®) with 5/8" Stand-off

Eccentric lock stainless ball bearing Series "4U"
Standard four-bolt pattern Series "4"
Polymer housing Series "G"
5/8" stand-off above base "QK"



More Sizes / Styles
 Inserts pgs F-5 to F-9
 Eccentric inserts in SS or KG: pgs F-10 to F-34
 QuiKlean® eccentric: pgs F-34 to F-47
 Set screw inserts in SS or KG: pgs F-48 to F-72
 QuiKlean® set screw: pgs F-72 to F-85



Polymer Housing

"X" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	E	F	G	L	I	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th																
4U4GA-QK8-08 x 4U4GA-QK8-10 x	1/2 5/8	8 10		1.575 40	3 76.2	2.15 54.6	2.13 54.1	3.01 76.5	1.06 26.9	1.47 37.3	1.15 29.2		3/8"	0.91 23.1	0.39 9.9	2.06 52.3	1.13 28.7	4GA-QK	4U203-08 x 4U203-10 x
4U4GB-QK8-08 x 4U4GB-QK8-10 x 4U4GB-QK8-12 x 4U4GB-QK8-20M x	1/2 5/8 3/4 20M	8 10 12		1.850 47	3.38 85.9	2.69 68.3	2.5 63.5	3.54 89.9	1.06 26.9	1.57 39.9	1.22 31.0		3/8"	1.05 26.7	0.5 12.7	2.27 57.7	1.31 33.3	4GB-QK	4U204-08 x 4U204-10 x 4U204-12 x 4U204-20M x
4U4GC-QK8-25M x 4U4GC-QK8-16 x	25M 1	16		2.047 52	3.75 95.3	2.93 74.4	2.75 69.9	3.89 98.8	1.13 28.6	1.62 41.1	1.26 32.0		7/16"	1.06 26.9	0.56 14.2	2.32 58.9	1.5 38.1	4GC-QK	4U205-25M x 4U205-16 x
4U4GD-QK8-30M x 4U4GD-QK8-19 x 4U4GD-QK8-20 x	30M 1-3/16 1-1/4	19 20		2.441 62	4.25 108.0	3.63 92.2	3.25 82.6	4.6 116.8	1.13 28.6	1.69 42.9	1.28 32.5		7/16"	1.19 30.2	0.63 16.0	2.47 62.7	1.75 44.5	4GD-QK	4U206-30M x 4U206-19 x 4U206-20 x
4U4GE-QK8-20 x 4U4GE-QK8-22 x 4U4GE-QK8-35M x 4U4GE-QK8-23 x	1-1/4 1-3/8 35M 1-7/16	20 22 23		2.835 72	4.75 120.7	4 101.6	3.63 92.2	5.13 130.3	1.19 30.2	1.85 47.0	1.42 36.1		1/2"	1.27 32.3	0.69 17.5	2.69 68.3	2.19 55.6	4GE-QK	4U207-20 x 4U207-22 x 4U207-35M x 4U207-23 x
4U4GF-QK8-24 x 4U4GF-QK8-40M x	1-1/2 40M 1-5/8	24 26		3.150 80	5.13 130.3	4.56 115.8	4 101.6	5.66 143.8	1.19 30.2	1.87 47.5	1.39 35.3		1/2"	1.37 34.8	0.75 19.1	2.76 70.1	2.37 60.2	4GF-QK	4U208-24 x 4U208-40M x

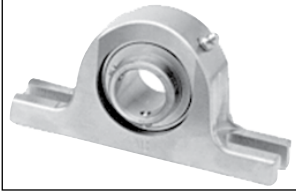
QuiKlean® housing
with integral standoff
is 5/8" above the base
of standard units

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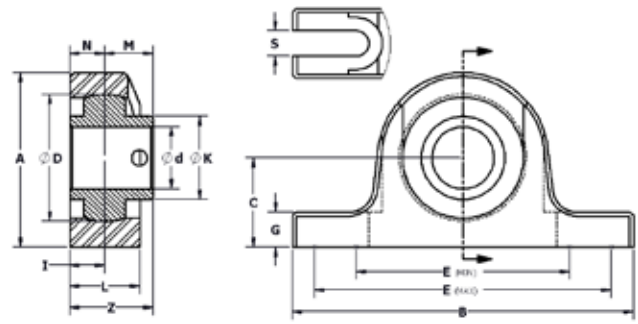
Stainless Ball Solution® Pillow Block

**CLASSIC
or VALUE**

Set screw locking stainless ball bearing Series "4Y"
Standard backing height Series "1"
Stainless housing Series "A"



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85



Stainless Housing

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	C	E min	E max	G	L	Sph. depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (L+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th																	
4Y1A8-12M x	12			1.575	2.13	5	1.06	2.94	4.06	0.44	1.13	0.56	3/8	0.61	0.41	1.17	0.97	1AA	4Y203-12M x	
4Y1A8-08 x		1/2	8	40	54.1	127.0	26.9	74.7	103.1	11.2	28.7	14.2		15.5	10.4	29.7	24.6		4Y203-08 x	
4Y1A8-09 x		9/16	9																	4Y203-09 x
4Y1A8-15M x	15																			4Y203-15M x
4Y1A8-10 x		5/8	10																	4Y203-10 x
4Y1A8-17M x	17																			4Y203-17M x
4Y1A8-12M x	12			1.850	2.56	5.25	1.31	3.25	4.38	0.5	1.13	0.56	3/8	0.72	0.5	1.28	1.14	1AB	4Y204-12M x	
4Y1A8-08 x		1/2	8	47	65.0	133.4	33.3	82.6	111.3	12.7	28.7	14.2		18.3	12.7	32.5	29.0		4Y204-08 x	
4Y1A8-15M x	15																			4Y204-15M x
4Y1A8-10 x		5/8	10																	4Y204-10 x
4Y1A8-17M x	17																			4Y204-17M x
4Y1A8-11 x		11/16	11																	4Y204-11 x
4Y1A8-12 x		3/4	12																	4Y204-12 x
4Y1A8-20M x	20																			4Y204-20M x
4Y1AC8-12 x		3/4	12	2.047	2.81	5.5	1.44	3.44	4.63	0.56	1.13	0.56	3/8	0.78	0.56	1.34	1.34	1AC	4Y205-12 x	
4Y1AC8-14 x		7/8	14	52	71.4	139.7	36.6	87.4	117.6	14.2	28.7	14.2		19.8	14.2	34.0	34.0		4Y205-14 x	
4Y1AC8-15 x		15/16	15																	4Y205-15 x
4Y1AC8-25M x	25																			4Y205-25M x
4Y1AC8-16 x		1	16																	4Y205-16 x
4Y1AD8-16 x		1	16	2.441	3.25	6.25	1.69	4.13	5.13	0.69	1.47	0.73	1/2	0.87	0.63	1.60	1.59	1AD	4Y206-16 x	
4Y1AD8-17 x		1-1/16	17	62	82.6	158.8	42.9	104.9	130.3	17.5	37.3	18.5		22.1	16.0	40.6	40.4		4Y206-17 x	
4Y1AD8-18 x		1-1/8	18																	4Y206-18 x
4Y1AD8-30M x	30																			4Y206-30M x
4Y1AD8-19 x		1-3/16	19																	4Y206-19 x
4Y1AD8-20 x		1-1/4	20																	4Y206-20 x
4Y1AE8-19 x		1-3/16	19	2.835	3.75	6.56	1.88	4.69	5.44	0.69	1.47	0.73	1/2	1	0.69	1.73	1.84	1AE	4Y207-19 x	
4Y1AE8-20 x		1-1/4	20	72	95.3	166.6	47.8	119.1	138.2	17.5	37.3	18.5		25.4	17.5	43.9	46.7		4Y207-20 x	
4Y1AE8-21 x		1-5/16	21																	4Y207-21 x
4Y1AE8-22 x		1-3/8	22																	4Y207-22 x
4Y1AE8-35M x	35																			4Y207-35M x
4Y1AE8-23 x		1-7/16	23																	4Y207-23 x
4Y1AF8-23 x		1-7/16	23	3.150	4.19	7.25	2.13	5	6.13	0.75	1.63	0.81	1/2	1.19	0.75	2.00	2.08	1AF	4Y208-23 x	
4Y1AF8-24 x		1-1/2	24	80	106.4	184.2	54.1	127.0	155.7	19.1	41.4	20.6		30.2	19.1	50.8	52.8		4Y208-24 x	
4Y1AF8-40M x	40																			4Y208-40M x
4Y1AG8-24 x		1-1/2	24	3.346	4.25	7.44	2.13	5.31	6.31	0.75	1.72	0.86	1/2	1.19	0.75	2.05	2.31	1AG	4Y209-24 x	
4Y1AG8-26 x		1-5/8	26	85	108.0	189.0	54.1	134.9	160.3	19.1	43.7	21.8		30.2	19.1	52.1	58.7		4Y209-26 x	
4Y1AG8-27 x		1-11/16	27																	4Y209-27 x
4Y1AG8-28 x		1-3/4	28																	4Y209-28 x
4Y1AG8-45M x	45																			4Y209-45M x
4Y1AH8-28 x		1-3/4	28	3.543	4.5	8.13	2.25	5.88	6.75	0.75	1.97	0.99	5/8	1.28	0.75	2.27	2.45	1AH	4Y210-28 x	
4Y1AH8-30 x		1-7/8	30	90	114.3	206.5	57.2	149.4	171.5	19.1	50.0	25.1		32.5	19.1	57.7	62.2		4Y210-30 x	
4Y1AH8-31 x		1-15/16	31																	4Y210-31 x
4Y1AH8-50M x	50																			4Y210-50M x
4Y1AH8-32 x		2	32																	4Y210-32 x
4Y1AI8-32 x		2	32	3.937	4.94	8.88	2.5	6.38	7.5	0.88	1.97	0.99	5/8	1.32	0.87	2.31	2.76	1AI	4Y211-32 x	
4Y1AI8-55M x	55			100	125.5	225.6	63.5	162.1	190.5	22.4	50.0	25.1		33.5	22.1	58.7	70.1		4Y211-55M x	
4Y1AI8-35 x		2-3/16	35																	4Y211-35 x
4Y1AI8-36 x		2-1/4	36																	4Y211-36 x
4Y1AJ8-36 x		2-1/4	36	4.331	5.38	9.5	2.75	6.44	8.13	0.88	1.97	0.99	5/8	1.56	1	2.55	3.03	1AJ	4Y212-36 x	
4Y1AJ8-60M x	60			110	136.7	241.3	69.9	163.6	206.5	22.4	50.0	25.1		39.6	25.4	64.8	77.0		4Y212-60M x	
4Y1AJ8-39 x		2-7/16	39																	4Y212-39 x
4Y1AK8-39 x		2-7/16	39	4.921	6.06	10.75	3	7.44	9.13	0.94	1.97	0.99	3/4	1.75	1.19	2.74	3.43	1AK	4Y214-39 x	
4Y1AK8-40 x		2-1/2	40	125	153.9	273.1	76.2	189.0	231.9	23.9	50.0	25.1		44.5	30.2	69.6	87.1		4Y214-40 x	
4Y1AK8-70M x	70																			4Y214-70M x
4Y1AK8-44 x		2-3/4	44																	4Y214-44 x
4Y1AL8-40 x		2-11/16	43	5.128	6.75	11.75	3.5	8.25	9.75	1	2.47	1.24	7/8	1.75	1.31	2.99	3.6	1AL	4Y215-40	
4Y1AL8-43 x		2-3/4	44	130	171.5	298.5	88.9	209.6	247.7	25.4	62.7	31.5		44.5	33.3	75.9	91.4		4Y215-43 x	
4Y1AL8-44 x		2-13/16	45																	4Y215-44 x
4Y1AL8-45 x		2-15/16	47																	4Y215-45 x
4Y1AL8-47 x		2-15/16	47																	4Y215-47 x
4Y1AL8-75M x	75																			4Y215-75M x
4Y1AL8-48 x		3	48																	4Y215-48 x

X indicates a 2-letter designation for lube & seals
 G = food grade grease
 F = food grade EPL
 Other alpha - refer to page 3
 X = standard configuration
 O = open (no seal or flinger)
 Others - refer to page 3
 Example: GX = food grade grease with standard seals & flingers

Stainless Ball Solution® Pillow Block

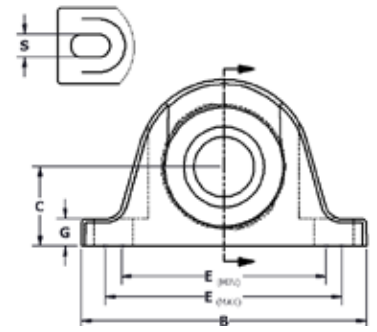
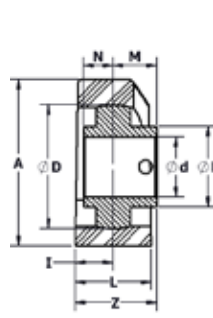
**CLASSIC
or VALUE**

Set screw locking stainless ball bearing Series "4Y"
Standard backing height Series "1"
Polymer housing Series "G"



More Sizes / Styles

Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85



Polymer Housing

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	C	E min	E max	G	L	Sph. depth	Bolt size	Brg c/l to front	Brg c/l to back from brg	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th																	
4Y1GA8-12M x	12			1.575	2.25	5	1.06	2.94	4.06	0.44	1.25	0.63	3/8	0.61	0.41	1.24	0.97	1GA	4Y203-12M x	
4Y1GA8-08 x		1/2	8	40	57.2	127.0	26.9	74.7	103.1	11.2	31.8	16.0		15.5	10.4	31.5	24.6		4Y203-08 x	
4Y1GA8-09 x		9/16	9																	4Y203-09 x
4Y1GA8-15M x	15																			4Y203-15M x
4Y1GA8-10 x		5/8	10																	4Y203-10 x
4Y1GA8-17M x	17																			4Y203-17M x
4Y1GB8-12M x	12			1.850	2.69	5.25	1.31	3.25	4.38	0.5	1.38	0.69	3/8	0.72	0.5	1.41	1.14	1GB	4Y204-12M x	
4Y1GB8-08 x		1/2	8	47	68.3	133.4	33.3	82.6	111.3	12.7	35.1	17.5		18.3	12.7	35.8	29.0		4Y204-08 x	
4Y1GB8-15M x	15																			4Y204-15M x
4Y1GB8-10 x		5/8	10																	4Y204-10 x
4Y1GB8-17M x	17																			4Y204-17M x
4Y1GB8-11 x		11/16	11																	4Y204-11 x
4Y1GB8-12 x		3/4	12																	4Y204-12 x
4Y1GB8-20M x	20																			4Y204-20M x
4Y1GC8-12 x		3/4	12	2.047	2.94	5.5	1.44	3.44	4.63	0.56	1.5	0.75	3/8	0.78	0.56	1.53	1.34	1GC	4Y205-12 x	
4Y1GC8-14 x		7/8	14	52	74.7	139.7	36.6	87.4	117.6	14.2	38.1	19.1		19.8	14.2	38.9	34.0		4Y205-14 x	
4Y1GC8-15 x		15/16	15																	4Y205-15 x
4Y1GC8-25M x	25																			4Y205-25M x
4Y1GC8-16 x		1	16																	4Y205-16 x
4Y1GD8-16 x		1	16	2.441	3.38	6.25	1.69	4.13	5.13	0.69	1.75	0.88	1/2	0.87	0.63	1.75	1.59	1GD	4Y206-16 x	
4Y1GD8-17 x		1-1/16	17	62	85.9	158.8	42.9	104.9	130.3	17.5	44.5	22.4		22.1	16.0	44.5	40.4		4Y206-17 x	
4Y1GD8-18 x		1-1/8	18																	4Y206-18 x
4Y1GD8-30M x	30																			4Y206-30M x
4Y1GD8-19 x		1-3/16	19																	4Y206-19 x
4Y1GD8-20 x		1-1/4	20																	4Y206-20 x
4Y1GE8-19 x		1-3/16	19	2.835	3.88	6.56	1.88	4.69	5.44	0.69	1.75	0.88	1/2	1	0.69	1.88	1.84	1GE	4Y207-19 x	
4Y1GE8-20 x		1-1/4	20	72	98.6	166.6	47.8	119.1	138.2	17.5	44.5	22.4		25.4	17.5	47.8	46.7		4Y207-20 x	
4Y1GE8-21 x		1-5/16	21																	4Y207-21 x
4Y1GE8-22 x		1-3/8	22																	4Y207-22 x
4Y1GE8-35M x	35																			4Y207-35M x
4Y1GE8-23 x		1-7/16	23																	4Y207-23 x
4Y1GF8-23 x		1-7/16	23	3.150	4.31	7.25	2.13	5	6.13	0.75	1.94	0.97	1/2	1.19	0.75	2.16	2.08	1GF	4Y208-23 x	
4Y1GF8-24 x		1-1/2	24	80	109.5	184.2	54.1	127.0	155.7	19.1	49.3	24.6		30.2	19.1	54.9	52.8		4Y208-24 x	
4Y1GF8-40M x	40																			4Y208-40M x
4Y1GG8-24 x		1-1/2	24	3.346	4.38	7.44	2.13	5.31	6.31	0.75	2	1	1/2	1.19	0.75	2.19	2.31	1GG	4Y209-24 x	
4Y1GG8-26 x		1-5/8	26	85	111.3	189.0	54.1	134.9	160.3	19.1	50.8	25.4		30.2	19.1	55.6	58.7		4Y209-26 x	
4Y1GG8-27 x		1-11/16	27																	4Y209-27 x
4Y1GG8-28 x		1-3/4	28																	4Y209-28 x
4Y1GG8-45M x	45																			4Y209-45M x
4Y1GH8-28 x		1-3/4	28	3.543	4.63	8.13	2.25	5.88	6.75	0.75	2.25	1.13	5/8	1.28	0.75	2.41	2.45	1GH	4Y210-28 x	
4Y1GH8-30 x		1-7/8	30	90	117.6	206.5	57.2	149.4	171.5	19.1	57.2	28.7		32.5	19.1	61.2	62.2		4Y210-30 x	
4Y1GH8-31 x		1-15/16	31																	4Y210-31 x
4Y1GH8-50M x	50																			4Y210-50M x
4Y1GH8-32 x		2	32																	4Y210-32 x
4Y1GI8-32 x		2	32	3.937	5.13	8.88	2.5	6.38	7.5	0.88	2.38	1.19	5/8	1.32	0.87	2.51	2.76	1GI	4Y211-32 x	
4Y1GI8-55M x	55			100	130.3	225.6	63.5	162.1	190.5	22.4	60.5	30.2		33.5	22.1	63.8	70.1		4Y211-55M x	
4Y1GI8-35 x		2-3/16	35																	4Y211-35 x
4Y1GI8-36 x		2-1/4	36																	4Y211-36 x
4Y1GJ8-36 x		2-1/4	36	4.331	5.5	9.5	2.75	6.44	8.13	0.88	2.5	1.25	5/8	1.56	1	2.81	3.03	1GJ	4Y212-36 x	
4Y1GJ8-60M x	60			110	139.7	241.3	69.9	163.6	206.5	22.4	63.5	31.8		39.6	25.4	71.4	77.0		4Y212-60M x	
4Y1GJ8-39 x		2-7/16	39																	4Y212-39 x
4Y1GK8-39 x		2-7/16	39	4.921	6.25	10.75	3	7.44	9.13	0.94	2.75	1.38	3/4	1.75	1.19	3.13	3.43	1GK	4Y214-39 x	
4Y1GK8-40 x		2-1/2	40	125	158.8	273.1	76.2	189.0	231.9	23.9	69.9	35.1		44.5	30.2	79.5	87.1		4Y214-40 x	
4Y1GK8-70M x	70																			4Y214-70M x
4Y1GK8-44 x		2-3/4	44																	4Y214-44 x
4Y1GL8-40 x				5.128	6.88	11.75	3.5	8.25	9.75	1	2.88	1.44	7/8	1.75	1.31	3.19	3.6	1GL	4Y215-40 x	
4Y1GL8-43 x		2-11/16	43	130	174.8	298.5	88.9	209.6	247.7	25.4	73.2	36.6		44.5	33.3	81.0	91.4		4Y215-43 x	
4Y1GL8-44 x		2-3/4	44																	4Y215-44 x
4Y1GL8-45 x		2-13/16	45																	4Y215-45 x
4Y1GL8-47 x		2-15/16	47																	4Y215-47 x
4Y1GL8-75M x	75																			4Y215-75M x
4Y1GL8-48 x		3	48																	4Y215-48 x

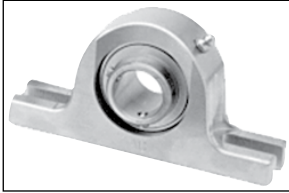
X indicates a 2-letter designation for lube & seals
G = food grade grease **X** = standard configuration
F = food grade EPL **O** = open (no seal or flinger)
Other alpha - refer to page 3 **Others** - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



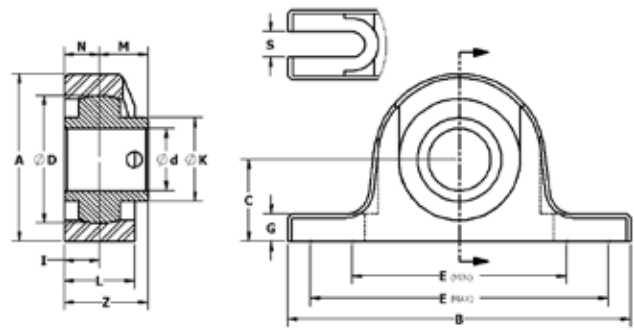
Stainless Ball Solution® Pillow Block

**CLASSIC
or VALUE**

Set screw locking stainless ball bearing Series "4Y"
Low backing height Series "10"
Stainless housing Series "A"



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85



Stainless Housing

"X" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size	A	B	C	E min	E max	G	L	Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (L+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th																
4Y10AA8-12M x	12			1.575										0.61	0.41	0.97		10AA	4Y203-12M x
4Y10AA8-08 x		1/2	8	40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		15.5	10.4	0.0	24.6		4Y203-08 x
4Y10AA8-09 x		9/16	9																4Y203-09 x
4Y10AA8-15M x	15																		4Y203-15M x
4Y10AA8-10 x		5/8	10																4Y203-10 x
4Y10AA8-17M x	17																		4Y203-17M x
4Y10AB8-12M x	12			1.850	2.5	5.25	1.25	3.25	4.38	0.44	1.13	0.56	3/8"	0.72	0.5	1.28	1.14	10AB	4Y204-12M x
4Y10AB8-08 x		1/2	8	47	63.5	133.4	31.8	82.6	111.3	11.2	28.7	14.2		18.3	12.7	32.5	29.0		4Y204-08 x
4Y10AB8-15M x	15																		4Y204-15M x
4Y10AB8-10 x		5/8	10																4Y204-10 x
4Y10AB8-17M x	17																		4Y204-17M x
4Y10AB8-11 x		11/16	11																4Y204-11 x
4Y10AB8-12 x		3/4	12																4Y204-12 x
4Y10AB8-20M x	20																		4Y204-20M x
4Y10AC8-12 x		3/4	12	2.047	2.69	5.5	1.31	3.44	4.63	0.44	1.13	0.56	3/8"	0.78	0.56	1.34	1.34	10AC	4Y205-12 x
4Y10AC8-14 x		7/8	14	52	68.3	139.7	33.3	87.4	117.6	11.2	28.7	14.2		19.8	14.2	34.0	34.0		4Y205-14 x
4Y10AC8-15 x		15/16	15																4Y205-15 x
4Y10AC8-25M x	25																		4Y205-25M x
4Y10AC8-16 x		1	16																4Y205-16 x
4Y10AD8-16 x		1	16	2.441	3.13	6.25	1.56	4.13	5.13	0.56	1.47	0.74	1/2"	0.87	0.63	1.61	1.59	10AD	4Y206-16 x
4Y10AD8-17 x		1-1/16	17	62	79.4	158.8	39.6	104.9	130.3	14.2	37.3	18.8		22.1	16.0	40.9	40.4		4Y206-17 x
4Y10AD8-18 x		1-1/8	18																4Y206-18 x
4Y10AD8-30M x	30																		4Y206-30M x
4Y10AD8-19 x		1-3/16	19																4Y206-19 x
4Y10AD8-20 x		1-1/4	20																4Y206-20 x
4Y10AE8-19 x		1-3/16	19	2.835	3.69	6.56	1.81	4.69	5.44	0.63	1.47	0.74	1/2"	1	0.69	1.74	1.84	10AE	4Y207-19 x
4Y10AE8-20 x		1-1/4	20	72	93.7	166.6	46.0	119.1	138.2	16.0	37.3	18.8		25.4	17.5	44.2	46.7		4Y207-20 x
4Y10AE8-21 x		1-5/16	21																4Y207-21 x
4Y10AE8-22 x		1-3/8	22																4Y207-22 x
4Y10AE8-35M x	35																		4Y207-35M x
4Y10AE8-23 x		1-7/16	23																4Y207-23 x
4Y10AF8-23 x		1-7/16	23	3.150	4	7.25	1.94	5	6.13	0.56	1.625	0.81	1/2"	1.19	0.75	2.00	2.08	10AF	4Y208-23 x
4Y10AF8-24 x		1-1/2	24	80	101.6	184.2	49.3	127.0	155.7	14.2	41.3	20.6		30.2	19.1	50.8	52.8		4Y208-24 x
4Y10AF8-40M x	40																		4Y208-40M x
4Y10AG8-24 x		1-1/2	24	3.346	4.19	7.44	2.06	5.31	6.31	0.69	1.72	0.86	1/2"	1.19	0.75	2.05	2.31	10AG	4Y209-24 x
4Y10AG8-26 x		1-5/8	26	85	106.4	189.0	52.3	134.9	160.3	17.5	43.7	21.8		30.2	19.1	52.1	58.7		4Y209-26 x
4Y10AG8-27 x		1-11/16	27																4Y209-27 x
4Y10AG8-28 x		1-3/4	28																4Y209-28 x
4Y10AG8-45M x	45																		4Y209-45M x
4Y10AH8-28 x		1-3/4	28	3.543	4.44	8.13	2.19	5.88	6.75	0.69	1.97	0.99	5/8"	1.28	0.75	2.27	2.45	10AH	4Y210-28 x
4Y10AH8-30 x		1-7/8	30	90	112.8	206.5	55.6	149.4	171.5	17.5	50.0	25.1		32.5	19.1	57.7	62.2		4Y210-30 x
4Y10AH8-31 x		1-15/16	31																4Y210-31 x
4Y10AH8-50M x	50																		4Y210-50M x
4Y10AH8-32 x		2	32																4Y210-32 x
4Y10AI8-32 x		2	32	3.937	4.88	8.88	2.44	6.38	7.5	0.81	1.97	0.99	5/8"	1.31	0.87	2.30	2.76	10AI	4Y211-32 x
4Y10AI8-55M x	55			100	124.0	225.6	62.0	162.1	190.5	20.6	50.0	25.1		33.3	22.1	58.4	70.1		4Y211-55M x
4Y10AI8-35 x		2-3/16	35																4Y211-35 x
4Y10AI8-36 x		2-1/4	36																4Y211-36 x
4Y10AJ8-36 x		2-1/4	36	4.331	5.31	9.5	2.69	6.44	8.13	0.81	1.97	0.99	5/8"	1.56	1	2.55	3.03	10AJ	4Y212-36 x
4Y10AJ8-60M x	60			110	134.9	241.3	68.3	163.6	206.5	20.6	50.0	25.1		39.6	25.4	64.8	77.0		4Y212-60M x
4Y10AJ8-39 x		2-7/16	39																4Y212-39 x
4Y10AK8-39 x		2-7/16	39	4.921	6.19	10.75	3.13	7.44	9.13	1.06	1.97	0.99	3/4"	1.75	1.19	2.74	3.43	10AK	4Y214-39 x
4Y10AK8-40 x		2-1/2	40	125	157.2	273.1	79.5	189.0	231.9	26.9	50.0	25.1		44.5	30.2	69.6	87.1		4Y214-40 x
4Y10AK8-70M x	70																		4Y214-70M x
4Y10AK8-44 x		2-3/4	44																4Y214-44 x
4Y10AL8-40 x				5.128	6.5	11.75	3.25	8.25	9.75	0.75	2.47	1.24	7/8"	1.75	1.31	2.99	3.6	10AL	4Y215-40
4Y10AL8-43 x		2-11/16	43	130	165.1	298.5	82.6	209.6	247.7	19.1	62.7	31.5		44.5	33.3	75.9	91.4		4Y215-43 x
4Y10AL8-44 x		2-3/4	44																4Y215-44 x
4Y10AL8-45 x		2-13/16	45																4Y215-45 x
4Y10AL8-47 x		2-15/16	47																4Y215-47 x
4Y10AL8-75M x	75																		4Y215-75M x
4Y10AL8-48 x		3	48																4Y215-48 x

X indicates a 2-letter designation for lube & seals
 G = food grade grease
 F = food grade EPL
 Other alpha - refer to page 3
 X = standard configuration
 O = open (no seal or flinger)
 Others - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



Stainless Ball Solution® Pillow Block

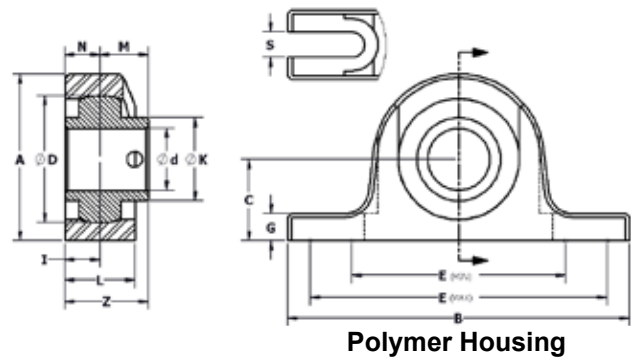
**CLASSIC
or VALUE**

Set screw locking stainless ball bearing Series "4Y"
Low backing height Series "10"
Polymer housing Series "G"



More Sizes / Styles

Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85



"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	C	E min	E max	G	L	I	S	M	N	Z	K	Housing PN	Ball bearing PN
	mm	in	16th																	
4Y10GA8-12M x	12			1.575											0.61	0.41		0.97	10GA	4Y203-12M x
4Y10GA8-08 x		1/2	8	40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		15.5	10.4	0.0	24.6		4Y203-08 x
4Y10GA8-09 x		9/16	9																	4Y203-09 x
4Y10GA8-15M x	15																			4Y203-15M x
4Y10GA8-10 x		5/8	10																	4Y203-10 x
4Y10GA8-17M x	17																			4Y203-17M x
4Y10GB8-12M x	12			1.850	2.63	5.25	1.25	3.25	4.38	0.44	1.38	0.69	3/8"	0.72	0.5	1.41	1.14		10GB	4Y204-12M x
4Y10GB8-08 x		1/2	8	47	66.7	133.4	31.8	82.6	111.3	11.2	35.1	17.5		18.3	12.7	35.8	29.0			4Y204-08 x
4Y10GB8-15M x	15																			4Y204-15M x
4Y10GB8-10 x		5/8	10																	4Y204-10 x
4Y10GB8-17M x	17																			4Y204-17M x
4Y10GB8-11 x		11/16	11																	4Y204-11 x
4Y10GB8-12 x		3/4	12																	4Y204-12 x
4Y10GB8-20M x	20																			4Y204-20M x
4Y10GC8-12 x		3/4	12	2.047	2.81	5.5	1.31	3.44	4.63	0.44	1.5	0.75	3/8"	0.78	0.56	1.53	1.34		10GC	4Y205-12 x
4Y10GC8-14 x		7/8	14	52	71.4	139.7	33.3	87.4	117.6	11.2	38.1	19.1		19.8	14.2	38.9	34.0			4Y205-14 x
4Y10GC8-15 x		15/16	15																	4Y205-15 x
4Y10GC8-25M x	25																			4Y205-25M x
4Y10GC8-16 x		1	16																	4Y205-16 x
4Y10GD8-16 x		1	16	2.441	3.25	6.25	1.56	4.13	5.13	0.56	1.75	0.88	1/2"	0.87	0.63	1.75	1.59		10GD	4Y206-16 x
4Y10GD8-17 x		1-1/16	17	62	82.6	158.8	39.6	104.9	130.3	14.2	44.5	22.4		22.1	16.0	44.5	40.4			4Y206-17 x
4Y10GD8-18 x		1-1/8	18																	4Y206-18 x
4Y10GD8-30M x	30																			4Y206-30M x
4Y10GD8-19 x		1-3/16	19																	4Y206-19 x
4Y10GD8-20 x		1-1/4	20																	4Y206-20 x
4Y10GE8-19 x		1-3/16	19	2.835	3.81	6.56	1.81	4.69	5.44	0.63	1.75	0.88	1/2"	1	0.69	1.88	1.84		10GE	4Y207-19 x
4Y10GE8-20 x		1-1/4	20	72	96.8	166.6	46.0	119.1	138.2	16.0	44.5	22.4		25.4	17.5	47.8	46.7			4Y207-20 x
4Y10GE8-21 x		1-5/16	21																	4Y207-21 x
4Y10GE8-22 x		1-3/8	22																	4Y207-22 x
4Y10GE8-35M x	35																			4Y207-35M x
4Y10GE8-23 x		1-7/16	23																	4Y207-23 x
4Y10GF8-23 x		1-7/16	23	3.150	4.13	7.25	1.94	5	6.13	0.56	1.94	0.97	1/2"	1.19	0.75	2.16	2.08		10GF	4Y208-23 x
4Y10GF8-24 x		1-1/2	24	80	104.8	184.2	49.3	127.0	155.7	14.2	49.3	24.6		30.2	19.1	54.9	52.8			4Y208-24 x
4Y10GF8-40M x	40																			4Y208-40M x
4Y10GG8-24 x		1-1/2	24	3.346	4.31	7.44	2.06	5.31	6.31	0.69	2	1	1/2"	1.19	0.75	2.19	2.31		10GG	4Y209-24 x
4Y10GG8-26 x		1-5/8	26	85	109.5	189.0	52.3	134.9	160.3	17.5	50.8	25.4		30.2	19.1	55.6	58.7			4Y209-26 x
4Y10GG8-27 x		1-11/16	27																	4Y209-27 x
4Y10GG8-28 x		1-3/4	28																	4Y209-28 x
4Y10GG8-45M x	45																			4Y209-45M x
4Y10GH8-28 x		1-3/4	28	3.543	4.56	8.13	2.19	5.88	6.75	0.69	2.25	1.13	5/8"	1.28	0.75	2.41	2.45		10GH	4Y210-28 x
4Y10GH8-30 x		1-7/8	30	90	115.8	206.5	55.6	149.4	171.5	17.5	57.2	28.6		32.5	19.1	61.1	62.2			4Y210-30 x
4Y10GH8-31 x		1-15/16	31																	4Y210-31 x
4Y10GH8-50M x	50																			4Y210-50M x
4Y10GH8-32 x		2	32																	4Y210-32 x
4Y10GI8-32 x		2	32	3.937	5.06	8.88	2.44	6.38	7.5	0.81	2.38	1.19	5/8"	1.31	0.87	2.50	2.76		10GI	4Y211-32 x
4Y10GI8-55M x	55			100	128.5	225.6	62.0	162.1	190.5	20.6	60.3	30.2		33.3	22.1	63.5	70.1			4Y211-55M x
4Y10GI8-35 x		2-3/16	35																	4Y211-35 x
4Y10GI8-36 x		2-1/4	36																	4Y211-36 x
4Y10GJ8-36 x		2-1/4	36	4.331	5.44	9.5	2.69	6.44	8.13	0.81	2.5	1.25	5/8"	1.56	1	2.81	3.03		10GJ	4Y212-36 x
4Y10GJ8-60M x	60			110	138.2	241.3	68.3	163.6	206.5	20.6	63.5	31.8		39.6	25.4	71.4	77.0			4Y212-60M x
4Y10GJ8-39 x		2-7/16	39																	4Y212-39 x
4Y10GK8-39 x		2-7/16	39	4.921	6.38	10.75	3.13	7.44	9.13	1.06	2.75	1.38	3/4"	1.75	1.19	3.13	3.43		10GK	4Y214-39 x
4Y10GK8-40 x		2-1/2	40	125	161.9	273.1	79.5	189.0	231.9	26.9	69.9	34.9		44.5	30.2	79.4	87.1			4Y214-40 x
4Y10GK8-70M x	70																			4Y214-70M x
4Y10GK8-44 x		2-3/4	44																	4Y214-44 x
4Y10GL8-40 x				5.128	6.63	11.75	3.25	8.25	9.75	0.75	2.87	1.44	7/8"	1.75	1.31	3.19	3.6		10GL	4Y215-40
4Y10GL8-43 x		2-11/16	43	130	168.3	298.5	82.6	209.6	247.7	19.1	72.9	36.6		44.5	33.3	81.0	91.4			4Y215-43 x
4Y10GL8-44 x		2-3/4	44																	4Y215-44 x
4Y10GL8-45 x		2-13/16	45																	4Y215-45 x
4Y10GL8-47 x		2-15/16	47																	4Y215-47 x
4Y10GL8-75M x	75																			4Y215-75M x
4Y10GL8-48 x		3	48																	4Y215-48 x

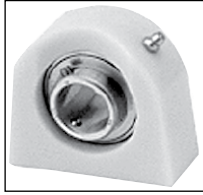
X indicates a 2-letter designation for lube & seals
G = food grade grease **X** = standard configuration
F = food grade EPL **Q** = open (no seal or flinger)
Other alpha - refer to page 3 **Others** - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



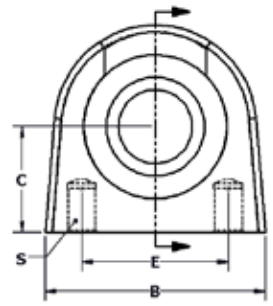
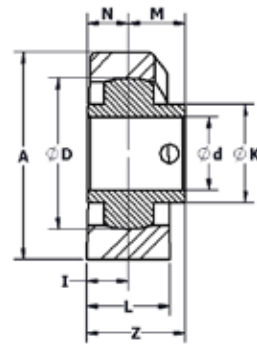
Stainless Ball Solution® Tapped Base Pillow Block

**CLASSIC
or VALUE**

**Set screw locking stainless ball bearing Series "4Y"
Tapped base housing Series "9"
Polymer housing Series "G"**



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85



Polymer Housing

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size	A	B	C	E	L	Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th														
4Y9GA8-12M x	12			1.575	2.46	2.94	1.31	2	1.12	0.56	3/8-16	0.61	0.41	1.17	0.97	9GA	4Y203-12M x
4Y9GA8-08 x		1/2	8	40	62.5	74.7	33.3	50.8	28.4	14.2		15.5	10.4	29.7	24.6		4Y203-08 x
4Y9GA8-09 x		9/16	9														4Y203-09 x
4Y9GA8-15M x	15																4Y203-15M x
4Y9GA8-10 x		5/8	10														4Y203-10 x
4Y9GA8-17M x	17																4Y203-17M x
4Y9GB8-12M x	12			1.850	2.58	2.96	1.31	2	1.13	0.56	3/8-16	0.72	0.5	1.28	1.14	9GB	4Y204-12M x
4Y9GB8-08 x		1/2	8	47	65.5	75.2	33.3	50.8	28.7	14.2		18.3	12.7	32.5	29.0		4Y204-08 x
4Y9GB8-15M x	15																4Y204-15M x
4Y9GB8-10 x		5/8	10														4Y204-10 x
4Y9GB8-17M x	17																4Y204-17M x
4Y9GB8-11 x		11/16	11														4Y204-11 x
4Y9GB8-12 x		3/4	12														4Y204-12 x
4Y9GB8-20M x	20																4Y204-20M x
4Y9GC8-12 x		3/4	12	2.047	2.81	3	1.44	2	1.14	0.57	3/8-16	0.78	0.56	1.35	1.34	9GC	4Y205-12 x
4Y9GC8-14 x		7/8	14	52	71.4	76.2	36.6	50.8	29.0	14.5		19.8	14.2	34.3	34.0		4Y205-14 x
4Y9GC8-15 x		15/16	15														4Y205-15 x
4Y9GC8-25M x	25																4Y205-25M x
4Y9GC8-16 x		1	16														4Y205-16 x
4Y9GD8-16 x		1	16	2.441	3.38	4.25	1.69	3	1.63	0.81	7/16-14	0.87	0.63	1.68	1.59	9GD	4Y206-16 x
4Y9GD8-17 x		1-1/16	17	62	85.9	108.0	42.9	76.2	41.4	20.6		22.1	16.0	42.7	40.4		4Y206-17 x
4Y9GD8-18 x		1-1/8	18														4Y206-18 x
4Y9GD8-30M x	30																4Y206-30M x
4Y9GD8-19 x		1-3/16	19														4Y206-19 x
4Y9GD8-20 x		1-1/4	20														4Y206-20 x
4Y9GE8-19 x		1-3/16	19	2.835	3.88	4.5	1.88	3.25	1.75	0.88	1/2-13	1	0.69	1.88	1.84	9GE	4Y207-19 x
4Y9GE8-20 x		1-1/4	20	72	98.6	114.3	47.8	82.6	44.5	22.4		25.4	17.5	47.8	46.7		4Y207-20 x
4Y9GE8-21 x		1-5/16	21														4Y207-21 x
4Y9GE8-22 x		1-3/8	22														4Y207-22 x
4Y9GE8-35M x	35																4Y207-35M x
4Y9GE8-23 x		1-7/16	23														4Y207-23 x
4Y9GF8-23 x		1-7/16	23	3.150	4.13	4.75	1.94	3.5	1.88	0.94	1/2-13	1.19	0.75	2.13	2.08	9GF	4Y208-23 x
4Y9GF8-24 x		1-1/2	24	80	104.8	120.7	49.3	88.9	47.8	23.9		30.2	19.1	54.1	52.8		4Y208-24 x
4Y9GF8-40M x	40																4Y208-40M x
4Y9GG8-24 x		1-1/2	24	3.346	4.38	5.25	2.125	3.75	1.97	0.98	1/2-13	1.19	0.75	2.17	2.31	9GG	4Y209-24 x
4Y9GG8-26 x		1-5/8	26	85	111.3	133.4	54.0	95.3	50.0	24.9		30.2	19.1	55.1	58.7		4Y209-26 x
4Y9GG8-27 x		1-11/16	27														4Y209-27 x
4Y9GG8-28 x		1-3/4	28														4Y209-28 x
4Y9GG8-45M x	45																4Y209-45M x
4Y9GH8-28 x		1-3/4	28	3.543	4.75	5.75	2.25	4	2.13	1.06	5/8-11	1.28	0.75	2.34	2.45	9GH	4Y210-28 x
4Y9GH8-30 x		1-7/8	30	90	120.7	146.1	57.2	101.6	54.1	26.9		32.5	19.1	59.4	62.2		4Y210-30 x
4Y9GH8-31 x		1-15/16	31														4Y210-31 x
4Y9GH8-50M x	50																4Y210-50M x
4Y9GH8-32 x		2	32														4Y210-32 x
4Y9G18-32 x		2	32	3.937	4.88	5.75	2.25	4	2.31	1.16	5/8-11	1.31	0.87	2.47	2.76	9GI	4Y211-32 x
4Y9G18-55M x	55			100	124.0	146.1	57.2	101.6	58.7	29.5		33.3	22.1	62.7	70.1		4Y211-55M x
4Y9G18-35 x		2-3/16	35														4Y211-35 x
4Y9G18-36 x		2-1/4	36														4Y211-36 x
4Y9G18-36 x		2-1/4	36	4.331	5.75	6.5	2.75	4.25	2.44	1.22	5/8-11	1.56	1	2.78	3.03	9GJ	4Y212-36 x
4Y9G18-60M x	60			110	146.1	165.1	69.9	108.0	62.0	31.0		39.6	25.4	70.6	77.0		4Y212-60M x
4Y9G18-39 x		2-7/16	39														4Y212-39 x
4Y9GK8-39 x		2-7/16	39	4.921	6.38	7.5	3	5	2.5	1.25	3/4-10	1.75	1.19	3.00	3.43	9GK	4Y214-39 x
4Y9GK8-40 x		2-1/2	40	125	162.1	190.5	76.2	127.0	63.5	31.8		44.5	30.2	76.2	87.1		4Y214-40 x
4Y9GK8-70M x	70																4Y214-70M x
4Y9GK8-44 x		2-3/4	44														4Y214-44 x
4Y9GL8-40 x				5.128	7	8	3.5	5.25	2.88	1.44	3/4-10	1.75	1.31	3.19	3.6	9GL	4Y215-40
4Y9GL8-43 x		2-11/16	43	130	177.8	203.2	88.9	133.4	73.2	36.6		44.5	33.3	81.0	91.4		4Y215-43 x
4Y9GL8-44 x		2-3/4	44														4Y215-44 x
4Y9GL8-45 x		2-13/16	45														4Y215-45 x
4Y9GL8-47 x		2-15/16	47														4Y215-47 x
4Y9GL8-75M x	75																4Y215-75M x
4Y9GL8-48 x		3	48														4Y215-48 x

X indicates a 2-letter designation for lube & seals
G = food grade grease **X** = standard configuration
F = food grade EPL **Q** = open (no seal or flinger)
Other alpha - refer to page 3 **Others** - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



Stainless Ball Solution® Two-Bolt Flange

**CLASSIC
or VALUE**

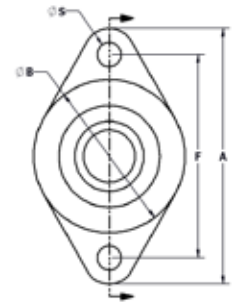
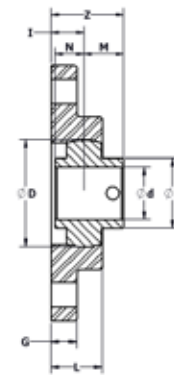
Set screw locking stainless ball bearing Series "4Y"
Standard two-bolt pattern Series "2"
Polymer housing Series "G"



More Sizes / Styles

Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals



Polymer Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	F	G	L	Sph depth I	Bolt size S	Brg c/l to front M	Brg c/l to back N	Overall LTB of brg (I+M) Z	Brg collar size K	Housing PN	Ball bearing PN	SETScrew
	mm	in	16th																
4Y2GA8-12M x	12			1.575	3.88	2.15	3	0.44	0.85	0.53	3/8"	0.61	0.41	1.14	0.97	2GA	4Y203-12M x		
4Y2GA8-08 x		1/2	8	40	98.6	54.6	76.2	11.2	21.6	13.5			15.5	10.4	29.0	24.6		4Y203-08 x	
4Y2GA8-09 x		9/16	9															4Y203-09 x	
4Y2GA8-15M x	15																	4Y203-15M x	
4Y2GA8-10 x		5/8	10															4Y203-10 x	
4Y2GA8-17M x	17																	4Y203-17M x	
4Y2GB8-12M x	12			1.850	4.41	2.69	3.53	0.44	0.95	0.59	3/8"	0.72	0.5	1.31	1.14	2GB	4Y204-12M x		
4Y2GB8-08 x		1/2	8	47	112.0	68.3	89.7	11.2	24.1	15.0			18.3	12.7	33.3	29.0		4Y204-08 x	
4Y2GB8-15M x	15																	4Y204-15M x	
4Y2GB8-10 x		5/8	10															4Y204-10 x	
4Y2GB8-17M x	17																	4Y204-17M x	
4Y2GB8-11 x		11/16	11															4Y204-11 x	
4Y2GB8-12 x		3/4	12															4Y204-12 x	
4Y2GB8-20M x	20																	4Y204-20M x	
4Y2GC8-12 x		3/4	12	2.047	4.77	2.93	3.89	0.5	0.99	0.63	7/16"	0.78	0.56	1.41	1.34	2GC	4Y205-12 x		
4Y2GC8-14 x		7/8	14	52	121.2	74.4	98.8	12.7	25.1	16.0			19.8	14.2	35.8	34.0		4Y205-14 x	
4Y2GC8-15 x		15/16	15															4Y205-15 x	
4Y2GC8-25M x	25																	4Y205-25M x	
4Y2GC8-16 x		1	16															4Y205-16 x	
4Y2GD8-16 x		1	16	2.441	5.72	3.625	4.59	0.5	1.07	0.66	7/16"	0.87	0.63	1.53	1.59	2GD	4Y206-16 x		
4Y2GD8-17 x		1-1/16	17	62	145.3	92.1	116.6	12.7	27.2	16.8			22.1	16.0	38.9	40.4		4Y206-17 x	
4Y2GD8-18 x		1-1/8	18															4Y206-18 x	
4Y2GD8-30M x	30																	4Y206-30M x	
4Y2GD8-19 x		1-3/16	19															4Y206-19 x	
4Y2GD8-20 x		1-1/4	20															4Y206-20 x	
4Y2GE8-19 x		1-3/16	19	2.835	6.25	4	5.12	0.56	1.22	0.79	1/2"	1	0.69	1.79	1.84	2GE	4Y207-19 x		
4Y2GE8-20 x		1-1/4	20	72	158.8	101.6	130.0	14.2	31.0	20.1			25.4	17.5	45.5	46.7		4Y207-20 x	
4Y2GE8-21 x		1-5/16	21															4Y207-21 x	
4Y2GE8-22 x		1-3/8	22															4Y207-22 x	
4Y2GE8-35M x	35																	4Y207-35M x	
4Y2GE8-23 x		1-7/16	23															4Y207-23 x	
4Y2GF8-23 x		1-7/16	23	3.150	6.78	4.56	5.66	0.56	1.24	0.77	1/2"	1.19	0.75	1.96	2.08	2GF	4Y208-23 x		
4Y2GF8-24 x		1-1/2	24	80	172.2	115.8	143.8	14.2	31.5	19.6			30.2	19.1	49.8	52.8		4Y208-24 x	
4Y2GF8-40M x	40																	4Y208-40M x	
4Y2GG8-24 x		1-1/2	24	3.346	6.97	4.74	5.84	0.63	1.24	0.76	1/2"	1.19	0.75	1.95	2.31	2GG	4Y209-24 x		
4Y2GG8-26 x		1-5/8	26	85	177.0	120.4	148.3	16.0	31.5	19.3			30.2	19.1	49.5	58.7		4Y209-26 x	
4Y2GG8-27 x		1-11/16	27															4Y209-27 x	
4Y2GG8-28 x		1-3/4	28															4Y209-28 x	
4Y2GG8-45M x	45																	4Y209-45M x	
4Y2GH8-28 x		1-3/4	28	3.543	7.31	5.06	6.19	0.63	1.24	0.77	1/2"	1.28	0.75	2.05	2.45	2GH	4Y210-28 x		
4Y2GH8-30 x		1-7/8	30	90	185.7	128.5	157.2	16.0	31.5	19.6			32.5	19.1	52.1	62.2		4Y210-30 x	
4Y2GH8-31 x		1-15/16	31															4Y210-31 x	
4Y2GH8-50M x	50																	4Y210-50M x	
4Y2GH8-32 x		2	32															4Y210-32 x	
4Y2G18-32 x		2	32	3.937	8.63	5.87	7.25	0.69	1.47	0.92	5/8"	1.32	0.87	2.24	2.76	2GI	4Y211-32 x		
4Y2G18-55M x	55			100	219.2	149.1	184.2	17.5	37.3	23.4			33.5	22.1	56.9	70.1		4Y211-55M x	
4Y2G18-35 x		2-3/16	35															4Y211-35 x	
4Y2G18-36 x		2-1/4	36															4Y211-36 x	
4Y2G18-36 x		2-1/4	36	4.331	9.33	6.56	7.95	0.69	1.66	1.07	5/8"	1.56	1	2.63	3.03	2GJ	4Y212-36 x		
4Y2G18-60M x	60			110	237.0	166.6	201.9	17.5	42.2	27.2			39.6	25.4	66.8	77.0		4Y212-60M x	
4Y2G18-39 x		2-7/16	39															4Y212-39 x	
4Y2GK8-39 x		2-7/16	39	4.921	9.69	6.94	8.31	0.75	1.86	1.25	5/8"	1.75	1.19	3.00	3.43	2GK	4Y214-39 x		
4Y2GK8-40 x		2-1/2	40	125	246.1	176.3	211.1	19.1	47.2	31.8			44.5	30.2	76.2	87.1		4Y214-40 x	
4Y2GK8-70M x	70																	4Y214-70M x	
4Y2GK8-44 x		2-3/4	44															4Y214-44 x	
4Y2GL8-40 x				5.128	10.13	6.94	8.5	1	1.98	1.39	3/4"	1.75	1.31	3.14	3.6	2GL	4Y215-40		
4Y2GL8-43 x		2-11/16	43	130	257.3	176.3	215.9	25.4	50.3	35.3			44.5	33.3	79.8	91.4		4Y215-43 x	
4Y2GL8-44 x		2-3/4	44															4Y215-44 x	
4Y2GL8-45 x		2-13/16	45															4Y215-45 x	
4Y2GL8-47 x		2-15/16	47															4Y215-47 x	
4Y2GL8-75M x	75																	4Y215-75M x	
4Y2GL8-48 x		3	48															4Y215-48 x	

X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



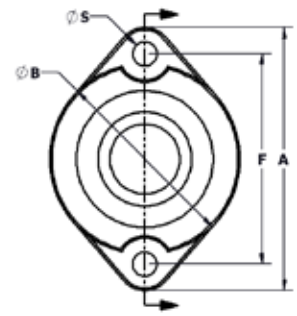
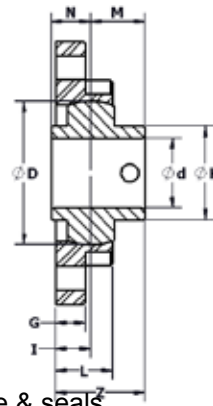
Stainless Ball Solution® Small Two-Bolt Flange

**CLASSIC
or VALUE**

Set screw locking stainless ball bearing Series "4Y"
Small two-bolt pattern Series "6"
Stainless housing Series "A"



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85



Stainless Housing

"X" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size	A	B	F	G	L	Sph depth I	Bolt size S	Brg c/l to front M	Brg c/l to back N	Overall LTB of brg + hsg (I+M) Z	Brg collar size K	Housing PN	Ball bearing PN SETScrew
	mm	in	16th														
4Y6A8-12M x	12			1.575	3.19	2.09	2.5	0.38	0.7	0.42	1/4	0.61	0.41	1.03	0.97	6AA	4Y203-12M x
4Y6A8-08 x		1/2	8	40	81.0	53.1	63.5	9.7	17.8	10.7		15.5	10.4	26.2	24.6		4Y203-08 x
4Y6A8-09 x		9/16	9														4Y203-09 x
4Y6A8-15M x	15																4Y203-15M x
4Y6A8-10 x		5/8	10														4Y203-10 x
4Y6A8-17M x	17																4Y203-17M x
4Y6A8-12M x	12			1.850	3.56	2.42	2.81	0.42	0.86	0.5	5/16	0.72	0.5	1.22	1.14	6AB	4Y204-12M x
4Y6A8-08 x		1/2	8	47	90.4	61.5	71.4	10.7	21.8	12.7		18.3	12.7	31.0	29.0		4Y204-08 x
4Y6A8-15M x	15																4Y204-15M x
4Y6A8-10 x		5/8	10														4Y204-10 x
4Y6A8-17M x	17																4Y204-17M x
4Y6A8-11 x		11/16	11														4Y204-11 x
4Y6A8-12 x		3/4	12														4Y204-12 x
4Y6A8-20M x	20																4Y204-20M x
4Y6AC8-12 x		3/4	12	2.047	3.75	2.72	3	0.42	0.81	0.5	5/16	0.78	0.56	1.28	1.34	6AC	4Y205-12 x
4Y6AC8-14 x		7/8	14	52	95.3	69.1	76.2	10.7	20.6	12.7		19.8	14.2	32.5	34.0		4Y205-14 x
4Y6AC8-15 x		15/16	15														4Y205-15 x
4Y6AC8-25M x	25																4Y205-25M x
4Y6AC8-16 x		1	16														4Y205-16 x
4Y6AD8-16 x		1	16	2.441	4.44	3.09	3.56	0.47	0.96	0.56	3/8	0.87	0.63	1.43	1.59	6AD	4Y206-16 x
4Y6AD8-17 x		1-1/16	17	62	112.8	78.5	90.4	11.9	24.4	14.2		22.1	16.0	36.3	40.4		4Y206-17 x
4Y6AD8-18 x		1-1/8	18														4Y206-18 x
4Y6AD8-30M x	30																4Y206-30M x
4Y6AD8-19 x		1-3/16	19														4Y206-19 x
4Y6AD8-20 x		1-1/4	20														4Y206-20 x
4Y6AE8-19 x		1-3/16	19	2.835	4.94	3.5	3.94	0.5	0.96	0.56	3/8	1	0.69	1.56	1.84	6AE	4Y207-19 x
4Y6AE8-20 x		1-1/4	20	72	125.5	88.9	100.1	12.7	24.4	14.2		25.4	17.5	39.6	46.7		4Y207-20 x
4Y6AE8-21 x		1-5/16	21														4Y207-21 x
4Y6AE8-22 x		1-3/8	22														4Y207-22 x
4Y6AE8-35M x	35																4Y207-35M x
4Y6AE8-23 x		1-7/16	23														4Y207-23 x

X indicates a 2-letter designation for lube & seals
 G = food grade grease X = standard configuration
 F = food grade EPL O = open (no seal or flinger)
 Other alpha - refer to page 3 Others - refer to page 3
 Example: GX = food grade grease with standard seals & fingers



Stainless Ball Solution® Small Two-Bolt Flange

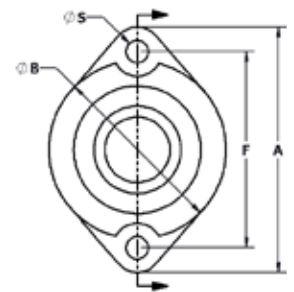
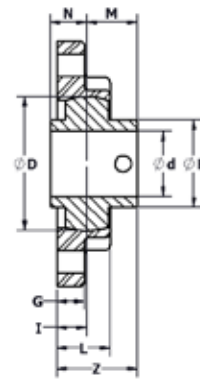
**CLASSIC
or VALUE**

Set screw locking stainless ball bearing Series "4Y"
Small two-bolt pattern Series "6"
Polymer housing Series "G"



More Sizes / Styles

Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85



Polymer Housing

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size	A	B	F	G	L	Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg + hsg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th														
4Y6GA8-12M x	12		8	1.575	3.19	2.09	2.5	0.38	0.7	0.42	1/4	0.61	0.41	1.03	0.97	6GA	4Y203-12M x
4Y6GA8-08 x		1/2		40	81.0	53.1	63.5	9.7	17.8	10.7		15.5	10.4	26.2	24.6		4Y203-08 x
4Y6GA8-09 x		9/16	9														4Y203-09 x
4Y6GA8-15M x	15																4Y203-15M x
4Y6GA8-10 x		5/8	10														4Y203-10 x
4Y6GA8-17M x	17																4Y203-17M x
4Y6GB8-12M x	12		8	1.850	3.56	2.42	2.81	0.42	0.86	0.5	5/16	0.72	0.5	1.22	1.14	6GB	4Y204-12M x
4Y6GB8-08 x		1/2		47	90.4	61.5	71.4	10.7	21.8	12.7		18.3	12.7	31.0	29.0		4Y204-08 x
4Y6GB8-15M x	15																4Y204-15M x
4Y6GB8-10 x		5/8	10														4Y204-10 x
4Y6GB8-17M x	17																4Y204-17M x
4Y6GB8-11 x		11/16	11														4Y204-11 x
4Y6GB8-12 x		3/4	12														4Y204-12 x
4Y6GB8-20M x	20																4Y204-20M x
4Y6GC8-12 x		3/4	12	2.047	3.75	2.72	3	0.42	0.81	0.46	5/16	0.78	0.56	1.24	1.34	6GC	4Y205-12 x
4Y6GC8-14 x		7/8	14	52	95.3	69.1	76.2	10.7	20.6	11.7		19.8	14.2	31.5	34.0		4Y205-14 x
4Y6GC8-15 x		15/16	15														4Y205-15 x
4Y6GC8-25M x	25																4Y205-25M x
4Y6GC8-16 x		1	16														4Y205-16 x
4Y6GD8-16 x		1	16	2.441	4.44	3.09	3.56	0.47	0.96	0.56	3/8	0.87	0.63	1.43	1.59	6GD	4Y206-16 x
4Y6GD8-17 x		1-1/16	17	62	112.8	78.5	90.4	11.9	24.4	14.2		22.1	16.0	36.3	40.4		4Y206-17 x
4Y6GD8-18 x		1-1/8	18														4Y206-18 x
4Y6GD8-30M x	30																4Y206-30M x
4Y6GD8-19 x		1-3/16	19														4Y206-19 x
4Y6GD8-20 x		1-1/4	20														4Y206-20 x
4Y6GE8-19 x		1-3/16	19	2.835	4.94	3.5	3.94	0.5	0.96	0.56	3/8	1	0.69	1.56	1.84	6GE	4Y207-19 x
4Y6GE8-20 x		1-1/4	20	72	125.5	88.9	100.1	12.7	24.4	14.2		25.4	17.5	39.6	46.7		4Y207-20 x
4Y6GE8-21 x		1-5/16	21														4Y207-21 x
4Y6GE8-22 x		1-3/8	22														4Y207-22 x
4Y6GE8-35M x	35																4Y207-35M x
4Y6GE8-23 x		1-7/16	23														4Y207-23 x

X indicates a 2-letter designation for lube & seals
G = food grade grease **X** = standard configuration
F = food grade EPL **O** = open (no seal or flinger)
Other alpha - refer to page 3 **Others** - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



Stainless Ball Solution® Piloted Two-Bolt Flange

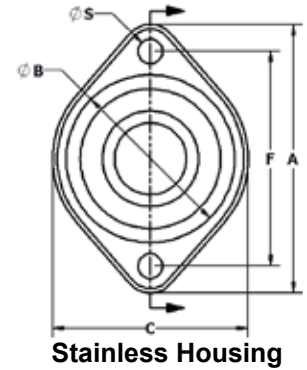
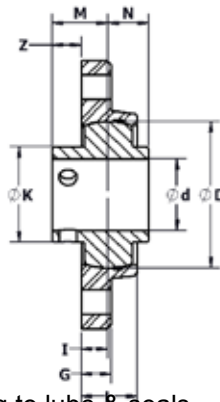
**CLASSIC
or VALUE**

Set screw locking stainless ball bearing Series "4Y"
Standard two-bolt pattern Series "6_-SP"
Stainless housing Series "A"



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"X" indicates a 2-letter designation referring to lube & seals



Stainless Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size	Boss dia	C	F	G	L	Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN	
	mm	in	16th															
4Y6AB-SP8-12M x	12			1.850	3.56	2.12	2.5	2.81	0.35	0.73	0.35	5/16	0.72	0.5	1.07	1.14	6AB-SP	4Y204-12M x
4Y6AB-SP8-08 x		1/2	8	47	90.4	53.8	63.5	71.4	8.9	18.5	8.9		18.3	12.7	27.2	29.0		4Y204-08 x
4Y6AB-SP8-15M x	15																	4Y204-15M x
4Y6AB-SP8-10 x		5/8	10															4Y204-10 x
4Y6AB-SP8-17M x	17																	4Y204-17M x
4Y6AB-SP8-11 x		11/16	11															4Y204-11 x
4Y6AB-SP8-12 x		3/4	12															4Y204-12 x
4Y6AB-SP8-20M x	20																	4Y204-20M x
4Y6AC-SP8-12 x		3/4	12	2.047	3.75	2.34	2.72	3	0.42	0.78	0.38	5/16	0.78	0.56	1.16	1.34	6AC-SP	4Y205-12 x
4Y6AC-SP8-14 x		7/8	14	52	95.3	59.4	69.1	76.2	10.7	19.8	9.5		19.8	14.2	29.3	34.0		4Y205-14 x
4Y6AC-SP8-15 x		15/16	15															4Y205-15 x
4Y6AC-SP8-25M x	25																	4Y205-25M x
4Y6AC-SP8-16 x		1	16														4Y205-16 x	

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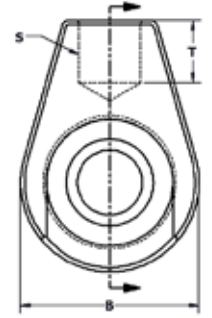
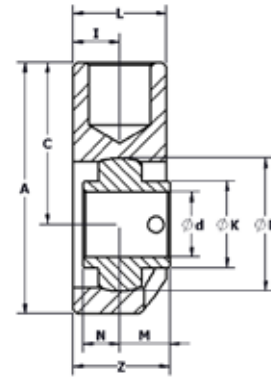
Stainless Ball Solution® Hanger Bearing

**CLASSIC
or VALUE**

Set screw locking stainless ball bearing Series "4Y"
Hanger pattern Series "8"
Stainless housing Series "A"



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85



Stainless Housing

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	C	L	I	Thread size	T	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th															
4Y8A8-12M x	12			1.575	2.94	2.13	1.88	1.19	0.59		1/2 - 14 NPSM	0.63	0.61	0.41	1.20	0.97	8AA	4Y203-12M x
4Y8A8-08 x		1/2	8	40	74.7	54.1	47.8	30.2	15.0		5/8 - 11 UNC	16.0	15.5	10.4	30.5	24.6	8AA-01	4Y203-08 x
4Y8A8-09 x		9/16	9								M12 - 1.75						8AA-03B	4Y203-09 x
4Y8A8-15M x	15										5/8 - 18						8AA-01A	4Y203-15M x
4Y8A8-10 x		5/8	10															4Y203-10 x
4Y8A8-17M x	17																	4Y203-17M x
4Y8AB8-12M x	12			1.850	3.75	2.5	2.5	1.44	0.72		3/4 - 14 NPSM	0.75	0.72	0.5	1.44	1.14	8AB	4Y204-12M x
4Y8AB8-08 x		1/2	8	47	95.3	63.5	63.5	36.6	18.3		5/8 - 11 UNC	19.1	18.3	12.7	36.6	29.0	8AB-03	4Y204-08 x
4Y8AB8-15M x	15										M16 - 2						8AB-03B	4Y204-15M x
4Y8AB8-10 x		5/8	10															4Y204-10 x
4Y8AB8-17M x	17																	4Y204-17M x
4Y8AB8-11 x		11/16	11															4Y204-11 x
4Y8AB8-12 x		3/4	12															4Y204-12 x
4Y8AB8-20M x	20																	4Y204-20M x
4Y8AC8-12 x		3/4	12	2.047	3.88	2.75	2.5	1.44	0.72		3/4 - 14 NPSM	0.75	0.78	0.56	1.50	1.34	8AC	4Y205-12 x
4Y8AC8-14 x		7/8	14	52	98.6	69.9	63.5	36.6	18.3			19.1	19.8	14.2	38.1	34.0		4Y205-14 x
4Y8AC8-15 x		15/16	15															4Y205-15 x
4Y8AC8-25M x	25																	4Y205-25M x
4Y8AC8-16 x		1	16															4Y205-16 x
4Y8AD8-16 x		1	16	2.441	4.06	3.13	2.5	1.44	0.72		3/4 - 14 NPSM	0.75	0.87	0.63	1.59	1.59	8AD	4Y206-16 x
4Y8AD8-17 x		1-1/16	17	62	103.1	79.5	63.5	36.6	18.3		5/8 - 11 UNC	19.1	22.1	16.0	40.4	40.4	8AD-02	4Y206-17 x
4Y8AD8-18 x		1-1/8	18								M16 - 2							4Y206-18 x
4Y8AD8-30M x	30																	4Y206-30M x
4Y8AD8-19 x		1-3/16	19															4Y206-19 x
4Y8AD8-20 x		1-1/4	20															4Y206-20 x
4Y8AE8-19 x		1-3/16	19	2.835	4.56	3.63	2.75	1.44	0.72		3/4 - 14 NPSM	0.75	1	0.69	1.72	1.84	8AE	4Y207-19 x
4Y8AE8-20 x		1-1/4	20	72	115.8	92.2	69.9	36.6	18.3		1 - 8 UNC	19.1	25.4	17.5	43.7	46.7	8AE-01	4Y207-20 x
4Y8AE8-21 x		1-5/16	21								5/8 - 11 NPSM						8AE-02	4Y207-21 x
4Y8AE8-22 x		1-3/8	22															4Y207-22 x
4Y8AE8-35M x	35																	4Y207-35M x
4Y8AE8-23 x		1-7/16	23															4Y207-23 x
4Y8AF8-23 x		1-7/16	23	3.150	4.75	3.75	2.88	1.44	0.72		3/4 - 14 NPSM	0.75	1.19	0.75	1.91	2.08	8AF	4Y208-23 x
4Y8AF8-24 x		1-1/2	24	80	120.7	95.3	73.2	36.6	18.3		3/4 - 10 UNC	19.1	30.2	19.1	48.5	52.8	8AF-01	4Y208-24 x
4Y8AF8-40M x	40																	4Y208-40M x
4Y8AG8-24 x		1-1/2	24	3.346	5.38	4.25	3.25	1.88	0.94		1 - 11 1/2 NPSM	0.81	1.19	0.75	2.13	2.31	8AG	4Y209-24 x
4Y8AG8-26 x		1-5/8	26	85	136.7	108.0	82.6	47.8	23.9			20.6	30.2	19	54.076	58.7		4Y209-26 x
4Y8AG8-27 x		1-11/16	27															4Y209-27 x
4Y8AG8-28 x		1-3/4	28															4Y209-28 x
4Y8AG8-45M x	45																	4Y209-45M x
4Y8AH8-28 x		1-3/4	28	3.543	5.5	4.5	3.25	1.88	0.94		1 - 11 1/2 NPSM	0.81	1.28	0.75	2.22	2.45	8AH	4Y210-28 x
4Y8AH8-30 x		1-7/8	30	90	139.7	114.3	82.6	47.8	23.9		1 - 8 UNC	20.6	32.5	19.1	56.4	62.2	8AH-01	4Y210-30 x
4Y8AH8-31 x		1-15/16	31															4Y210-31 x
4Y8AH8-50M x	50																	4Y210-50M x
4Y8AH8-32 x		2	32															4Y210-32 x
4Y8AI8-32 x		2	32	3.937	5.94	5	3.44	1.97	0.99		1 1/4 - 11 1/2 NPSM	1	1.32	0.87	2.31	2.76	8AI	4Y211-32 x
4Y8AI8-55M x	55			100	150.9	127.0	87.4	50.0	25.0		1 1/4 - 7 UNC	25.4	33.5	22.1	58.5	70.1	8AI-01	4Y211-55M x
4Y8AI8-35 x		2-3/16	35															4Y211-35 x
4Y8AI8-36 x		2-1/4	36															4Y211-36 x
4Y8AJ8-36 x		2-1/4	36	4.331	6.81	5.63	4	1.97	0.99		1 1/4 - 11 1/2 NPSM	1	1.56	1	2.55	3.03	8AJ	4Y212-36 x
4Y8AJ8-60M x	60			110	173.0	143.0	101.6	50.0	25.0		1 1/2 - 6 UNC	25.4	39.6	25.4	64.6	77.0	8AJ-01	4Y212-60M x
4Y8AJ8-39 x		2-7/16	39															4Y212-39 x
4Y8AK8-39 x		2-7/16	39	4.921	7.88	6.5	4.63	2.47	1.24		1 1/2 - 11 1/2 NPSM	1.25	1.75	1.19	2.99	3.43	8AK	4Y214-39 x
4Y8AK8-40 x		2-1/2	40	125	200.2	165.1	117.6	62.7	31.4			31.8	44.5	30.2	75.8	87.1		4Y214-40 x
4Y8AK8-70M x	70																	4Y214-70M x
4Y8AK8-44 x		2-3/4	44															4Y214-44 x
4Y8AL8-40 x				5.128	7.88	6.5	4.63	2.47	1.24		1 1/2 - 11 1/2 NPSM	1.25	1.75	1.31	2.99	3.6	8AL	4Y215-40
4Y8AL8-43 x		2-11/16	43	130	200.2	165.1	117.6	62.7	31.4			31.8	44.5	33.3	75.8	91.4		4Y215-43 x
4Y8AL8-44 x		2-3/4	44															4Y215-44 x
4Y8AL8-45 x		2-13/16	45															4Y215-45 x
4Y8AL8-47 x		2-15/16	47															4Y215-47 x
4Y8AL8-75M x	75																	4Y215-75M x
4Y8L8-48 x		3	48															4Y215-48 x

X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers



Stainless Ball Solution® Three-Bolt Flange

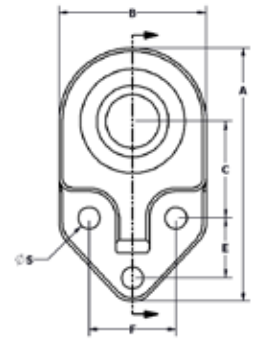
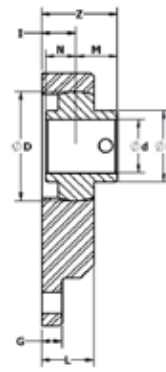
**CLASSIC
or VALUE**

Set screw locking stainless ball bearing Series "4Y"
Standard three-bolt pattern Series "3"
Stainless housing Series "A"



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"X" indicates a 2-letter designation referring to lube & seals



Stainless Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	C	E	F	G	L	I	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (1+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th																	
4Y3AA8-12M x	12			1.575	3.5	2	1.38	0.81	1.25	0.25	0.85	0.53	5/16"	0.61	0.41	1.14	0.97	3AA	4Y203-12M x	
4Y3AA8-08 x		1/2	8	40	88.9	50.8	35.1	20.6	31.8	6.4	21.6	13.5		15.5	10.4	29.0	24.6		4Y203-08 x	
4Y3AA8-09 x		9/16	9																	4Y203-09 x
4Y3AA8-15M x	15																			4Y203-15M x
4Y3AA8-10 x		5/8	10																	4Y203-10 x
4Y3AA8-17M x	17																			4Y203-17M x
4Y3AB8-12M x	12			1.850	4.25	2.5	1.69	0.88	1.5	0.31	0.95	0.59	3/8"	0.72	0.5	1.31	1.14	3AB	4Y204-12M x	
4Y3AB8-08 x		1/2	8	47	108.0	63.5	42.9	22.4	38.1	7.9	24.1	15.0		18.3	12.7	33.3	29.0		4Y204-08 x	
4Y3AB8-15M x	15																			4Y204-15M x
4Y3AB8-10 x		5/8	10																	4Y204-10 x
4Y3AB8-17M x	17																			4Y204-17M x
4Y3AB8-11 x		11/16	11																	4Y204-11 x
4Y3AB8-12 x		3/4	12																	4Y204-12 x
4Y3AB8-20M x	20																			4Y204-20M x
4Y3AC8-12 x		3/4	12	2.047	4.75	2.75	1.81	1.13	1.63	0.38	0.97	0.64	3/8"	0.78	0.56	1.42	1.34	3AC	4Y205-12 x	
4Y3AC8-14 x		7/8	14	52	120.7	69.9	46.0	28.7	41.4	9.7	24.6	16.3		19.8	14.2	36.1	34.0		4Y205-14 x	
4Y3AC8-15 x		15/16	15																	4Y205-15 x
4Y3AC8-25M x	25																			4Y205-25M x
4Y3AC8-16 x		1	16																	4Y205-16 x
4Y3AD8-16 x		1	16	2.441	5.38	3.12	2.06	1.25	1.88	0.38	1.07	0.66	3/8"	0.87	0.63	1.53	1.59	3AD	4Y206-16 x	
4Y3AD8-17 x		1-1/16	17	62	136.7	79.2	52.3	31.8	47.8	9.7	27.2	16.8		22.1	16.0	38.9	40.4		4Y206-17 x	
4Y3AD8-18 x		1-1/8	18																	4Y206-18 x
4Y3AD8-30M x	30																			4Y206-30M x
4Y3AD8-19 x		1-3/16	19																	4Y206-19 x
4Y3AD8-20 x		1-1/4	20																	4Y206-20 x
4Y3AE8-19 x		1-3/16	19	2.835	6	3.63	2.38	1.25	2	0.5	1.22	0.79	1/2"	1	0.69	1.79	1.84	3AE	4Y207-19 x	
4Y3AE8-20 x		1-1/4	20	72	152.4	92.2	60.5	31.8	50.8	12.7	31.0	20.1		25.4	17.5	45.5	46.7		4Y207-20 x	
4Y3AE8-21 x		1-5/16	21																	4Y207-21 x
4Y3AE8-22 x		1-3/8	22																	4Y207-22 x
4Y3AE8-35M x	35																			4Y207-35M x
4Y3AE8-23 x		1-7/16	23																	4Y207-23 x
4Y3AF8-23 x		1-7/16	23	3.150	6.5	4	2.56	1.38	2.25	0.5	1.24	0.77	1/2"	1.19	0.75	1.96	2.08	3AF	4Y208-23 x	
4Y3AF8-24 x		1-1/2	24	80	165.1	101.6	65.0	35.1	57.2	12.7	31.5	19.6		30.2	19.1	49.8	52.8		4Y208-24 x	
4Y3AF8-40M x	40																			4Y208-40M x
4Y3AG8-24 x		1-1/2	24	3.346	6.94	4.25	2.75	1.5	2.5	0.5	1.24	0.76	1/2"	1.19	0.75	1.95	2.31	3AG	4Y209-24 x	
4Y3AG8-26 x		1-5/8	26	85	176.3	108.0	69.9	38.1	63.5	12.7	31.5	19.3		30.2	19.1	49.5	58.7		4Y209-26 x	
4Y3AG8-27 x		1-11/16	27																	4Y209-27 x
4Y3AG8-28 x		1-3/4	28																	4Y209-28 x
4Y3AG8-45M x	45																			4Y209-45M x
4Y3AH8-28 x		1-3/4	28	3.543	7.41	4.56	2.94	1.63	2.75	0.5	1.24	0.77	1/2"	1.28	0.75	2.05	2.45	3AH	4Y210-28 x	
4Y3AH8-30 x		1-7/8	30	90	188.2	115.8	74.7	41.4	69.9	12.7	31.5	19.6		32.5	19.1	52.1	62.2		4Y210-30 x	
4Y3AH8-31 x		1-15/16	31																	4Y210-31 x
4Y3AH8-50M x	50																			4Y210-50M x
4Y3AH8-32 x		2	32																	4Y210-32 x
4Y3AI8-32 x		2	32	3.937	8.04	4.95	3.13	1.75	3	0.63	1.47	0.92	5/8"	1.32	0.87	2.24	2.76	3AI	4Y211-32 x	
4Y3AI8-55M x	55			100	204.2	125.7	79.5	44.5	76.2	16.0	37.3	23.4		33.5	22.1	56.9	70.1		4Y211-55M x	
4Y3AI8-35 x		2-3/16	35																	4Y211-35 x
4Y3AI8-36 x		2-1/4	36																	4Y211-36 x
4Y3AJ8-36 x		2-1/4	36	4.331	8.88	5.63	3.38	2	3.5	0.63	1.66	1.07	5/8"	1.56	1	2.63	3.03	3AJ	4Y212-36 x	
4Y3AJ8-60M x	60			110	225.6	143.0	85.9	50.8	88.9	16.0	42.2	27.2		39.6	25.4	66.8	77.0		4Y212-60M x	
4Y3AJ8-39 x		2-7/16	39																	4Y212-39 x
4Y3AK8-39 x		2-7/16	39	4.921	10.03	6.44	3.75	2.38	4.25	0.63	1.86	1.25	5/8"	1.75	1.19	3.00	3.43	3AK	4Y214-39 x	
4Y3AK8-40 x		2-1/2	40	125	254.8	163.6	95.3	60.5	108.0	16.0	47.2	31.8		44.5	30.2	76.2	87.1		4Y214-40 x	
4Y3AK8-70M x	70																			4Y214-70M x
4Y3AK8-44 x		2-3/4	44																	4Y214-44 x
4Y3AL8-40 x				5.128	10.69	6.5	4	2.63	4.25	0.75	1.98	1.39	3/4"	1.75	1.31	3.14	3.6	3AL	4Y215-40	
4Y3AL8-43 x		2-11/16	43	130	271.5	165.1	101.6	66.8	108.0	19.1	50.3	35.3		44.5	33.3	79.8	91.4		4Y215-43 x	
4Y3AL8-44 x		2-3/4	44																	4Y215-44 x
4Y3AL8-45 x		2-13/16	45																	4Y215-45 x
4Y3AL8-47 x		2-15/16	47																	4Y215-47 x
4Y3AL8-75M x	75																			4Y215-75M x
4Y3AL8-48 x		3	48																	4Y215-48 x

X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



Stainless Ball Solution® Three-Bolt Flange



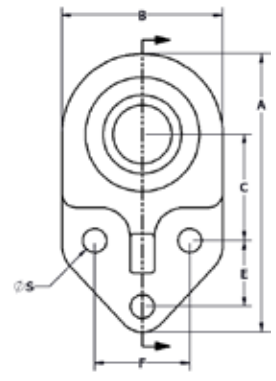
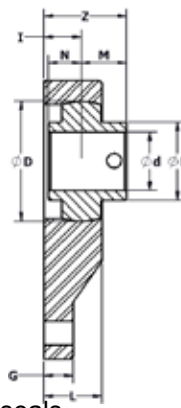
Set screw locking stainless ball bearing Series "4Y"
Standard three-bolt pattern Series "3"
Polymer housing Series "G"



More Sizes / Styles

Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals



Polymer Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	C	E	F	G	L	I	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (L+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th																	
4Y3GA8-12M x	12			1.575	3.66	2.19	1.38	0.81	1.25	0.44	0.85	0.53	5/16"	0.61	0.41	1.14	0.97	3GA	4Y203-12M x	
4Y3GA8-08 x		1/2	8	40	93.0	55.6	35.1	20.6	31.8	11.2	21.6	13.5		15.5	10.4	29.0	24.6		4Y203-08 x	
4Y3GA8-09 x		9/16	9																	4Y203-09 x
4Y3GA8-15M x	15																			4Y203-15M x
4Y3GA8-10 x		5/8	10																	4Y203-10 x
4Y3GA8-17M x	17																			4Y203-17M x
4Y3GB8-12M x	12			1.850	4.34	2.56	1.68	0.88	1.5	0.44	0.95	0.59	3/8"	0.72	0.5	1.31	1.14	3GB	4Y204-12M x	
4Y3GB8-08 x		1/2	8	47	110.2	65.0	42.7	22.4	38.1	11.2	24.1	15.0		18.3	12.7	33.3	29.0		4Y204-08 x	
4Y3GB8-15M x	15																			4Y204-15M x
4Y3GB8-10 x		5/8	10																	4Y204-10 x
4Y3GB8-17M x	17																			4Y204-17M x
4Y3GB8-11 x		11/16	11																	4Y204-11 x
4Y3GB8-12 x		3/4	12																	4Y204-12 x
4Y3GB8-20M x	20																			4Y204-20M x
4Y3GC8-12 x		3/4	12	2.047	4.75	2.75	1.81	1.12	1.63	0.5	0.99	0.64	3/8"	0.78	0.56	1.42	1.34	3GC	4Y205-12 x	
4Y3GC8-14 x		7/8	14	52	120.7	69.9	46.0	28.4	41.4	12.7	25.1	16.3		19.8	14.2	36.1	34.0		4Y205-14 x	
4Y3GC8-15 x		15/16	15																	4Y205-15 x
4Y3GC8-25M x	25																			4Y205-25M x
4Y3GC8-16 x		1	16																	4Y205-16 x
4Y3GD8-16 x		1	16	2.441	5.44	3.25	2.06	1.25	1.88	0.5	1.07	0.66	3/8"	0.87	0.63	1.53	1.59	3GD	4Y206-16 x	
4Y3GD8-17 x		1-1/16	17	62	138.2	82.6	52.3	31.8	47.8	12.7	27.2	16.8		22.1	16.0	38.9	40.4		4Y206-17 x	
4Y3GD8-18 x		1-1/8	18																	4Y206-18 x
4Y3GD8-30M x	30																			4Y206-30M x
4Y3GD8-19 x		1-3/16	19																	4Y206-19 x
4Y3GD8-20 x		1-1/4	20																	4Y206-20 x
4Y3GE8-19 x		1-3/16	19	2.835	6.19	3.81	2.38	1.25	2	0.56	1.22	0.79	1/2"	1	0.69	1.79	1.84	3GE	4Y207-19 x	
4Y3GE8-20 x		1-1/4	20	72	157.2	96.8	60.5	31.8	50.8	14.2	31.0	20.1		25.4	17.5	45.5	46.7		4Y207-20 x	
4Y3GE8-21 x		1-5/16	21																	4Y207-21 x
4Y3GE8-22 x		1-3/8	22																	4Y207-22 x
4Y3GE8-35M x	35																			4Y207-35M x
4Y3GE8-23 x		1-7/16	23																	4Y207-23 x
4Y3GF8-23 x		1-7/16	23	3.150	6.72	4.25	2.56	1.38	2.25	0.56	1.24	0.77	1/2"	1.19	0.75	1.96	2.08	3GF	4Y208-23 x	
4Y3GF8-24 x		1-1/2	24	80	170.7	108.0	65.0	35.1	57.2	14.2	31.5	19.6		30.2	19.1	49.8	52.8		4Y208-24 x	
4Y3GF8-40M x	40																			4Y208-40M x
4Y3GG8-24 x		1-1/2	24	3.346	7.19	4.56	2.75	1.5	2.5	0.63	1.24	0.76	1/2"	1.19	0.75	1.95	2.31	3GG	4Y209-24 x	
4Y3GG8-26 x		1-5/8	26	85	182.6	115.8	69.9	38.1	63.5	16.0	31.5	19.3		30.2	19.1	49.5	58.7		4Y209-26 x	
4Y3GG8-27 x		1-11/16	27																	4Y209-27 x
4Y3GG8-28 x		1-3/4	28																	4Y209-28 x
4Y3GG8-45M x	45																			4Y209-45M x
4Y3GH8-28 x		1-3/4	28	3.543	7.63	4.88	2.94	1.63	2.75	0.63	1.24	0.77	1/2"	1.28	0.75	2.05	2.45	3GH	4Y210-28 x	
4Y3GH8-30 x		1-7/8	30	90	193.8	124.0	74.7	41.4	69.9	16.0	31.5	19.6		32.5	19.1	52.1	62.2		4Y210-30 x	
4Y3GH8-31 x		1-15/16	31																	4Y210-31 x
4Y3GH8-50M x	50																			4Y210-50M x
4Y3GH8-32 x		2	32																	4Y210-32 x
4Y3GI8-32 x		2	32	3.937	8.38	5.38	3.12	1.75	3	0.69	1.47	0.92	5/8"	1.32	0.87	2.24	2.76	3GI	4Y211-32 x	
4Y3GI8-55M x	55			100	212.9	136.7	79.2	44.5	76.2	17.5	37.3	23.4		33.5	22.1	56.9	70.1		4Y211-55M x	
4Y3GI8-35 x		2-3/16	35																	4Y211-35 x
4Y3GI8-36 x		2-1/4	36																	4Y211-36 x
4Y3J8-36 x		2-1/4	36	4.331	9.19	6	3.38	2	3.5	0.69	1.66	1.07	5/8"	1.56	1	2.63	3.03	3GJ	4Y212-36 x	
4Y3J8-60M x	60			110	233.4	152.4	85.9	50.8	88.9	17.5	42.2	27.2		39.6	25.4	66.8	77.0		4Y212-60M x	
4Y3J8-39 x		2-7/16	39																	4Y212-39 x
4Y3GK8-39 x		2-7/16	39	4.921	10.38	6.88	3.75	2.38	4.25	0.75	1.86	1.25	5/8"	1.75	1.19	3.00	3.43	3GK	4Y214-39 x	
4Y3GK8-40 x		2-1/2	40	125	263.7	174.8	95.3	60.5	108.0	19.1	47.2	31.8		44.5	30.2	76.2	87.1		4Y214-40 x	
4Y3GK8-70M x	70																			4Y214-70M x
4Y3GK8-44 x		2-3/4	44																	4Y214-44 x
4Y3GL8-40 x				5.128	11.13	7.13	4	2.63	4.25	1	1.98	1.39	5/8"	1.75	1.31	3.14	3.6	3GL	4Y215-40	
4Y3GL8-43 x		2-11/16	43	130	282.7	181.1	101.6	66.8	108.0	25.4	50.3	35.3		44.5	33.3	79.8	91.4		4Y215-43 x	
4Y3GL8-44 x		2-3/4	44																	4Y215-44 x
4Y3GL8-45 x		2-13/16	45																	4Y215-45 x
4Y3GL8-47 x		2-15/16	47																	4Y215-47 x
4Y3GL8-75M x	75																			4Y215-75M x
4Y3GL8-48 x		3	48																	4Y215-48 x

X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



Stainless Ball Solution® Round Three-Bolt Flange

**CLASSIC
or VALUE**

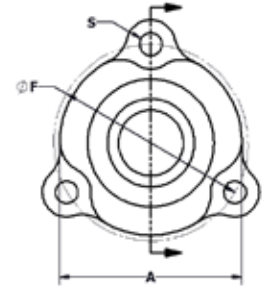
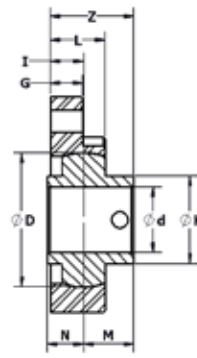
Set screw locking stainless ball bearing Series "4Y"
Round three-bolt pattern Series "22"
Stainless housing Series "A"



More Sizes / Styles

Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals



Stainless Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size	A	F	G	L	Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th													
4Y22AA8-12M x	12			1.575	2.4	2.5	0.38	0.69	0.43	1/4	0.61	0.41	1.04	0.97	22AA	4Y203-12M x
4Y22AA8-08 x		1/2	8	40	61.0	63.5	9.5	17.5	10.9		15.5	10.4	26.4	24.6		4Y203-08 x
4Y22AA8-09 x		9/16	9													4Y203-09 x
4Y22AA8-15M x	15															4Y203-15M x
4Y22AA8-10 x		5/8	10												4Y203-10 x	
4Y22AA8-17M x	17														4Y203-17M x	
4Y22AA-018-12M x	12			1.575	2.4	2.39	0.38	0.69	0.43	1/4	0.61	0.41	1.04	0.97	22AA-01	4Y203-12M x
4Y22AA-018-08 x		1/2	8	40	61.0	60.7	9.5	17.5	10.9		15.5	10.4	26.4	24.6		4Y203-08 x
4Y22AA-018-09 x		9/16	9													4Y203-09 x
4Y22AA-018-15M x	15															4Y203-15M x
4Y22AA-018-10 x		5/8	10												4Y203-10 x	
4Y22AA-018-17M x	17														4Y203-17M x	
4Y22AB8-12M x	12			1.850	2.5	2.81	0.42	0.78	0.43	5/16	0.72	0.5	1.15	1.14	22AB	4Y204-12M x
4Y22AB8-08 x		1/2	8	47	63.5	71.4	10.7	19.8	10.9		18.3	12.7	29.2	29.0		4Y204-08 x
4Y22AB8-15M x	15															4Y204-15M x
4Y22AB8-10 x		5/8	10													4Y204-10 x
4Y22AB8-17M x	17														4Y204-17M x	
4Y22AB8-11 x		11/16	11												4Y204-11 x	
4Y22AB8-12 x		3/4	12												4Y204-12 x	
4Y22AB8-20M x	20														4Y204-20M x	
4Y22AC8-12 x		3/4	12	2.047	2.8	3	0.5	0.84	0.53	5/16	0.78	0.56	1.31	1.34	22AC	4Y205-12 x
4Y22AC8-14 x		7/8	14	52	71.1	76.2	12.7	21.3	13.5		19.8	14.2	33.3	34.0		4Y205-14 x
4Y22AC8-15 x		15/16	15													4Y205-15 x
4Y22AC8-25M x	25															4Y205-25M x
4Y22AC8-16 x		1	16												4Y205-16 x	
4Y22AD8-16 x		1	16	2.441	3.31	3.56	0.58	0.98	0.6	3/8	0.87	0.63	1.47	1.59	22AD	4Y206-16 x
4Y22AD8-17 x		1-1/16	17	62	84.1	90.4	14.7	24.9	15.2		22.1	16.0	37.3	40.4		4Y206-17 x
4Y22AD8-18 x		1-1/8	18													4Y206-18 x
4Y22AD8-30M x	30															4Y206-30M x
4Y22AD8-19 x		1-3/16	19												4Y206-19 x	
4Y22AD8-20 x		1-1/4	20												4Y206-20 x	
4Y22AE8-19 x		1-3/16	19	2.835	3.69	3.94	0.66	1.12	0.7	3/8	1	0.69	1.70	1.84	22AE	4Y207-19 x
4Y22AE8-20 x		1-1/4	20	72	93.7	100.1	16.8	28.4	17.8		25.4	17.5	43.2	46.7		4Y207-20 x
4Y22AE8-21 x		1-5/16	21													4Y207-21 x
4Y22AE8-22 x		1-3/8	22													4Y207-22 x
4Y22AE8-35M x	35														4Y207-35M x	
4Y22AE8-23 x		1-7/16	23												4Y207-23 x	
4Y22AF8-23 x		1-7/16	23	3.150	3.69	3.94	0.66	1.12	0.7	3/8	1.19	0.75	1.89	2.08	22AF	4Y208-23 x
4Y22AF8-24 x		1-1/2	24	80	93.7	100.1	16.8	28.4	17.8		30.2	19.1	48.0	52.8		4Y208-24 x
4Y22AF8-40M x	40															4Y208-40M x
4Y22AG8-24 x		1-1/2	24	3.334	4.5	4.75	0.65	1.12	0.7	1/2	1.19	0.75	1.89	2.31		22AG
4Y22AG8-26 x		1-5/8	26	85	114.3	120.7	16.5	28.4	17.8		30.2	19.1	48.0	58.7	4Y209-26 x	
4Y22AG8-27 x		1-11/16	27												4Y209-27 x	
4Y22AG8-28 x		1-3/4	28												4Y209-28 x	
4Y22AG8-45M x	45														4Y209-45M x	
4Y22AH8-28 x		1-3/4	28	3.543	4.5	5	0.63	1.13	0.72	1/2	1.28	0.75	2.00	2.45	22AH	4Y210-28 x
4Y22AH8-30 x		1-7/8	30	90	114.3	127.0	15.9	28.6	18.3		32.5	19.1	50.8	62.2		4Y210-30 x
4Y22AH8-31 x		1-15/16	31													4Y210-31 x
4Y22AH8-50M x	50															4Y210-50M x
4Y22AH8-32 x		2	32												4Y210-32 x	

X indicates a 2-letter designation for lube & seals
 G = food grade grease X = standard configuration
 F = food grade EPL O = open (no seal or flinger)
 Other alpha - refer to page 3 Others - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



Stainless Ball Solution® Round Three-Bolt Flange

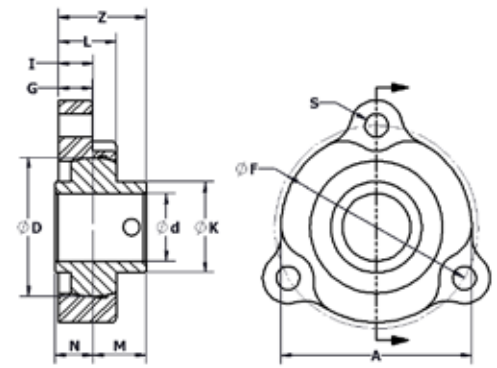
CLASSIC
or VALUE

Set screw locking stainless ball bearing Series "4Y"
Round three-bolt pattern Series "22"
Polymer housing Series "G"



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"X" indicates a 2-letter designation referring to lube & seals



Polymer Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size		F	G	L	Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A											
4Y22GA8-12M x	12			1.575	2.38	2.5	0.38	0.69	0.41	1/4	0.61	0.41	1.02	0.97	22GA	4Y203-12M x
4Y22GA8-08 x		1/2	8	40	60.5	63.5	9.5	17.5	10.4		15.5	10.4	25.9	24.6		4Y203-08 x
4Y22GA8-09 x		9/16	9													4Y203-09 x
4Y22GA8-15M x	15															4Y203-15M x
4Y22GA8-10 x		5/8	10													4Y203-10 x
4Y22GA-018-17M x	17															4Y203-17M x
4Y22GA-018-12M x	12			1.575	2.38	2.39	0.38	0.69	0.41	1/4	0.61	0.41	1.02	0.97	22GA-01	4Y203-12M x
4Y22GA-018-08 x		1/2	8	40	60.5	60.7	9.5	17.5	10.4		15.5	10.4	25.9	24.6		4Y203-08 x
4Y22GA-018-09 x		9/16	9													4Y203-09 x
4Y22GA-018-15M x	15															4Y203-15M x
4Y22GA-018-10 x		5/8	10													4Y203-10 x
4Y22GA-018-17M x	17															4Y203-17M x
4Y22GB8-12M x	12			1.850	2.5	2.81	0.42	0.78	0.43	5/16	0.72	0.5	1.15	1.14	22GB	4Y204-12M x
4Y22GB8-08 x		1/2	8	47	63.5	71.4	10.7	19.8	10.9		18.3	12.7	29.2	29.0		4Y204-08 x
4Y22GB8-15M x	15															4Y204-15M x
4Y22GB8-10 x		5/8	10													4Y204-10 x
4Y22GB8-17M x	17															4Y204-17M x
4Y22GB8-11 x		11/16	11													4Y204-11 x
4Y22GB8-12 x		3/4	12													4Y204-12 x
4Y22GB8-20M x	20															4Y204-20M x
4Y22GC8-12 x		3/4	12	2.047	2.81	3	0.5	0.84	0.51	5/16	0.78	0.56	1.29	1.34	22GC	4Y205-12 x
4Y22GC8-14 x		7/8	14	52	71.4	76.2	12.7	21.3	13.0		19.8	14.2	32.8	34.0		4Y205-14 x
4Y22GC8-15 x		15/16	15													4Y205-15 x
4Y22GC8-25M x	25															4Y205-25M x
4Y22GC8-16 x		1	16													4Y205-16 x
4Y22GD8-16 x		1	16	2.441	3.31	3.56	0.58	0.98	0.58	3/8	0.87	0.63	1.45	1.59	22GD	4Y206-16 x
4Y22GD8-17 x		1-1/16	17	62	84.1	90.4	14.7	24.9	14.7		22.1	16.0	36.8	40.4		4Y206-17 x
4Y22GD8-18 x		1-1/8	18													4Y206-18 x
4Y22GD8-30M x	30															4Y206-30M x
4Y22GD8-19 x		1-3/16	19													4Y206-19 x
4Y22GD8-20 x		1-1/4	20													4Y206-20 x
4Y22GE8-19 x		1-3/16	19	2.835	3.69	3.94	0.66	1.08	0.68	3/8	1	0.69	1.68	1.84	22GE	4Y207-19 x
4Y22GE8-20 x		1-1/4	20	72	93.7	100.1	16.8	27.4	17.3		25.4	17.5	42.7	46.7		4Y207-20 x
4Y22GE8-21 x		1-5/16	21													4Y207-21 x
4Y22GE8-22 x		1-3/8	22													4Y207-22 x
4Y22GE8-35M x	35															4Y207-35M x
4Y22GE8-23 x		1-7/16	23													4Y207-23 x

X indicates a 2-letter designation for lube & seals
G = food grade grease **X** = standard configuration
F = food grade EPL **O** = open (no seal or flinger)
Other alpha - refer to page 3 **Others** - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



Stainless Ball Solution® Take Up Bearing, Narrow

**CLASSIC
or VALUE**

Set screw locking stainless ball bearing Series "4Y"

Take up bearing pattern Series "5"

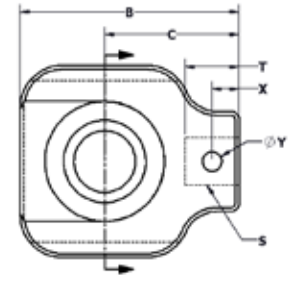
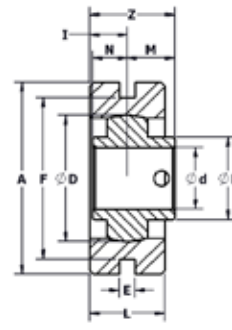
Stainless housing Series "A"



More Sizes / Styles

Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals



Stainless Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size	A	B	C	E	F	L	Sph. depth	Hole size	T	X	Y	Brg c/l to front	Brg c/l to back	Overall LTB of brg (L+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th																		
4Y5A8-12M x	12			1.575	2.5	2.69	1.69	0.26	2	0.88	0.44	17/32	0.63	0.31	0.25	0.61	0.41	1.05	0.97	5AA	4Y203-12M x
4Y5A8-08 x		1/2	8	40	63.5	68.3	42.9		50.8	22.4	11.2		16.0	7.9		15.5	10.4	26.7	24.6		4Y203-08 x
4Y5A8-09 x		9/16	9																		4Y203-09 x
4Y5A8-15M x	15																				4Y203-15M x
4Y5A8-10 x		5/8	10																		4Y203-10 x
4Y5A8-17M x	17																				4Y203-17M x
4Y5A8-12M x	12			1.850	3.13	3.44	2.19	0.26	2.63	1.22	0.61	25/32	0.88	0.44	0.31	0.72	0.5	1.33	1.14	5AB	4Y204-12M x
4Y5A8-08 x		1/2	8	47	79.5	87.4	55.6		66.8	31.0	15.5		22.4	11.2		18.3	12.7	33.8	29.0		4Y204-08 x
4Y5A8-15M x	15																				4Y204-15M x
4Y5A8-10 x		5/8	10																		4Y204-10 x
4Y5A8-17M x	17																				4Y204-17M x
4Y5A8-11 x		11/16	11																		4Y204-11 x
4Y5A8-12 x		3/4	12																		4Y204-12 x
4Y5A8-20M x	20																				4Y204-20M x
4Y5AC8-12 x		3/4	12	2.047	3.13	3.56	2.19	0.26	2.63	1.22	0.61	25/32	0.88	0.44	0.31	0.78	0.56	1.39	1.34	5AC	4Y205-12 x
4Y5AC8-14 x		7/8	14	52	79.5	90.4	55.6		66.8	31.0	15.5		22.4	11.2		19.8	14.2	35.3	34.0		4Y205-14 x
4Y5AC8-15 x		15/16	15																		4Y205-15 x
4Y5AC8-25M x	25																				4Y205-25M x
4Y5AC8-16 x		1	16																		4Y205-16 x
4Y5AD8-16 x		1	16	2.441	4.13	4.31	2.69	0.26	3.5	1.22	0.61	25/32	1	0.5	0.31	0.87	0.63	1.48	1.59	5AD	4Y206-16 x
4Y5AD8-17 x		1-1/16	17	62	104.9	109.5	68.3		88.9	31.0	15.5		25.4	12.7		22.1	16.0	37.6	40.4		4Y206-17 x
4Y5AD8-18 x		1-1/8	18																		4Y206-18 x
4Y5AD8-30M x	30																				4Y206-30M x
4Y5AD8-19 x		1-3/16	19																		4Y206-19 x
4Y5AD8-20 x		1-1/4	20																		4Y206-20 x
4Y5AE8-19 x		1-3/16	19	2.835	4.13	4.5	2.69	0.26	3.5	1.22	0.61	25/32	1	0.5	0.31	1	0.69	1.61	1.84	5AE	4Y207-19 x
4Y5AE8-20 x		1-1/4	20	72	104.9	114.3	68.3		88.9	31.0	15.5		25.4	12.7		25.4	17.5	40.9	46.7		4Y207-20 x
4Y5AE8-21 x		1-5/16	21																		4Y207-21 x
4Y5AE8-22 x		1-3/8	22																		4Y207-22 x
4Y5AE8-35M x	35																				4Y207-35M x
4Y5AE8-23 x		1-7/16	23																		4Y207-23 x
4Y5AF8-23 x		1-7/16	23	3.150	4.75	5.38	3.25	0.32	4	1.47	0.74	29/32	1.16	0.66	0.38	1.19	0.75	1.93	2.08	5AF	4Y208-23 x
4Y5AF8-24 x		1-1/2	24	80	120.7	136.7	82.6		101.6	37.3	18.7		29.5	16.8		30.2	19.1	48.9	52.8		4Y208-24 x
4Y5AF8-40M x	40																				4Y208-40M x
4Y5AG8-24 x		1-1/2	24	3.346	4.75	5.44	3.25	0.32	4	1.47	0.74	29/32	1.16	0.66	0.38	1.19	0.75	1.93	2.31	5AG	4Y209-24 x
4Y5AG8-26 x		1-5/8	26	85	120.7	138.2	82.6		101.6	37.3	18.7		29.5	16.8		30.2	19.1	48.9	58.7		4Y209-26 x
4Y5AG8-27 x		1-11/16	27																		4Y209-27 x
4Y5AG8-28 x		1-3/4	28																		4Y209-28 x
4Y5AG8-45M x	45																				4Y209-45M x
4Y5AH8-28 x		1-3/4	28	3.543	4.75	5.5	3.25	0.32	4	1.47	0.74	29/32	1.16	0.66	0.38	1.28	0.75	2.02	2.45	5AH	4Y210-28 x
4Y5AH8-30 x		1-7/8	30	90	120.7	139.7	82.6		101.6	37.3	18.7		29.5	16.8		32.5	19.1	51.2	62.2		4Y210-30 x
4Y5AH8-31 x		1-15/16	31																		4Y210-31 x
4Y5AH8-50M x	50																				4Y210-50M x
4Y5AH8-32 x		2	32																		4Y210-32 x
4Y5AI8-32 x		2	32	3.937	5.38	6.13	3.63	0.32	4.44	1.72	0.86	1-1/32	1.28	0.69	0.44	1.32	0.87	2.18	2.76	5AI	4Y211-32 x
4Y5AI8-55M x	55			100	136.7	155.7	92.2		112.8	43.7	21.8		32.5	17.5		33.5	22.1	55.4	70.1		4Y211-55M x
4Y5AI8-35 x		2-3/16	35																		4Y211-35 x
4Y5AI8-36 x		2-1/4	36																		4Y211-36 x
4Y5AJ8-36 x		2-1/4	36	4.331	5.75	6.69	3.88	0.32	4.94	1.72	0.86	1-1/32	1.28	0.69	0.44	1.56	1	2.42	3.03	5AJ	4Y212-36 x
4Y5AJ8-60M x	60			110	146.1	169.9	98.6		125.5	43.7	21.8		32.5	17.5		39.6	25.4	61.5	77.0		4Y212-60M x
4Y5AJ8-39 x		2-7/16	39																		4Y212-39 x
4Y5AK8-39 x		2-7/16	39	4.921	6.38	7.38	4.31	0.38	5.5	1.88	0.94	1-9/32	1.5	0.75	0.5	1.75	1.19	2.69	3.43	5AK	4Y214-39 x
4Y5AK8-40 x		2-1/2	40	125	162.1	187.5	109.5		139.7	47.8	23.9		38.1	19.1		44.5	30.2	68.3	87.1		4Y214-40 x
4Y5AK8-70M x	70																				4Y214-70M x
4Y5AK8-44 x		2-3/4	44																		4Y214-44 x
4Y5AL8-40 x				5.128	6.75	7.69	4.44	0.38	5.88	1.88	0.94	1-9/32	1.5	0.75	0.5	1.75	1.31	2.69	3.6	5AL	4Y215-40
4Y5AL8-43 x		2-11/16	43	130	171.5	195.3	112.8		149.4	47.8	23.9		38.1	19.1		44.5	33.3	68.3	91.4		4Y215-43 x
4Y5AL8-44 x		2-3/4	44																		4Y215-44 x
4Y5AL8-45 x		2-13/16	45																		4Y215-45 x
4Y5AL8-47 x		2-15/16	47																		4Y215-47 x
4Y5AL8-75M x	75																				4Y215-75M x
4Y5L8-48 x		3	48																		4Y215-48 x

X indicates a 2-letter designation for lube & seals
 G = food grade grease
 F = food grade EPL
 Other alpha - refer to page 3
 X = standard configuration
 O = open (no seal or flinger)
 Others - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



Stainless Ball Solution® Take Up Bearing, Narrow

**CLASSIC
or VALUE**

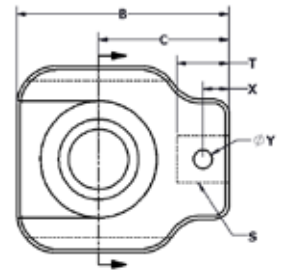
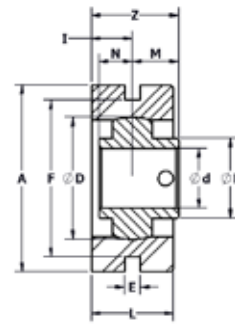
Set screw locking stainless ball bearing Series "4Y"
Take up bearing pattern Series "5"
Polymer housing Series "G"



More Sizes / Styles

Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals



Polymer Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size	A	B	C	E	F	L	I	Sph. depth	Hole size	T	X	Y	M	N	Z	K	Housing PN	Ball bearing PN
	mm	in	16th																			
4Y5GA8-12M x	12			1.575	2.5	2.69	1.69	0.26	2	1	0.5	17/32	0.63	0.31	0.25	0.61	0.41	1.11	0.97	5GA	4Y203-12M x	
4Y5GA8-08 x		1/2	8	40	63.5	68.3	42.9		50.8	25.4	12.7		16.0	7.9		15.5	10.4	28.2	24.6		4Y203-08 x	
4Y5GA8-09 x		9/16	9																		4Y203-09 x	
4Y5GA8-15M x	15																				4Y203-15M x	
4Y5GA8-10 x		5/8	10																		4Y203-10 x	
4Y5GA8-17M x	17																				4Y203-17M x	
4Y5GB8-12M x	12			1.850	3.13	3.44	2.19	0.26	2.63	1.38	0.69	25/32	0.88	0.44	0.31	0.72	0.5	1.41	0.97	5GB	4Y204-12M x	
4Y5GB8-08 x		1/2	8	47	79.5	87.4	55.6		66.8	34.9	17.5		22.4	11.2		18.3	12.7	35.8	29.0		4Y204-08 x	
4Y5GB8-15M x	15																				4Y204-15M x	
4Y5GB8-10 x		5/8	10																		4Y204-10 x	
4Y5GB8-17M x	17																				4Y204-17M x	
4Y5GB8-11 x		11/16	11																		4Y204-11 x	
4Y5GB8-12 x		3/4	12																		4Y204-12 x	
4Y5GB8-20M x	20																				4Y204-20M x	
4Y5GC8-12 x		3/4	12	2.047	3.13	3.56	2.19	0.26	2.63	1.38	0.69	25/32	0.88	0.44	0.31	0.78	0.56	1.47	1.34	5GC	4Y205-12 x	
4Y5GC8-14 x		7/8	14	52	79.5	90.4	55.6		66.8	34.9	17.5		22.4	11.2		19.8	14.2	37.3	34.0		4Y205-14 x	
4Y5GC8-15 x		15/16	15																		4Y205-15 x	
4Y5GC8-25M x	25																				4Y205-25M x	
4Y5GC8-16 x		1	16																		4Y205-16 x	
4Y5GD8-16 x		1	16	2.441	4.13	4.31	2.69	0.26	3.5	1.38	0.69	25/32	1	0.5	0.31	0.87	0.63	1.56	1.59	5GD	4Y206-16 x	
4Y5GD8-17 x		1-1/16	17	62	104.9	109.5	68.3		88.9	34.9	17.5		25.4	12.7		22.1	16.0	39.6	40.4		4Y206-17 x	
4Y5GD8-18 x		1-1/8	18																		4Y206-18 x	
4Y5GD8-30M x	30																				4Y206-30M x	
4Y5GD8-19 x		1-3/16	19																		4Y206-19 x	
4Y5GD8-20 x		1-1/4	20																		4Y206-20 x	
4Y5GE8-19 x		1-3/16	19	2.835	4.13	4.5	2.69	0.26	3.5	1.38	0.69	25/32	1	0.5	0.31	1	0.69	1.69	1.84	5GE	4Y207-19 x	
4Y5GE8-20 x		1-1/4	20	72	104.9	114.3	68.3		88.9	34.9	17.5		25.4	12.7		25.4	17.5	42.9	46.7		4Y207-20 x	
4Y5GE8-21 x		1-5/16	21																		4Y207-21 x	
4Y5GE8-22 x		1-3/8	22																		4Y207-22 x	
4Y5GE8-35M x	35																				4Y207-35M x	
4Y5GE8-23 x		1-7/16	23																		4Y207-23 x	
4Y5GF8-23 x		1-7/16	23	3.150	4.75	5.38	3.25	0.32	4	1.63	0.81	29/32	1.16	0.66	0.38	1.19	0.75	2.00	2.08	5GF	4Y208-23 x	
4Y5GF8-24 x		1-1/2	24	80	120.7	136.7	82.6		101.6	41.3	20.6		29.5	16.8		30.2	19.1	50.9	52.8		4Y208-24 x	
4Y5GF8-40M x	40																				4Y208-40M x	
4Y5GG8-24 x		1-1/2	24	3.346	4.75	5.44	3.25	0.32	4	1.63	0.81	29/32	1.16	0.66	0.38	1.19	0.75	2.00	2.31	5GG	4Y209-24 x	
4Y5GG8-26 x		1-5/8	26	85	120.7	138.2	82.6		101.6	41.3	20.6		29.5	16.8		30.2	19.1	50.9	58.7		4Y209-26 x	
4Y5GG8-27 x		1-11/16	27																		4Y209-27 x	
4Y5GG8-28 x		1-3/4	28																		4Y209-28 x	
4Y5GG8-45M x	45																				4Y209-45M x	
4Y5GH8-28 x		1-3/4	28	3.543	4.75	5.5	3.25	0.32	4	1.63	0.81	29/32	1.16	0.66	0.38	1.28	0.75	2.09	2.45	5GH	4Y210-28 x	
4Y5GH8-30 x		1-7/8	30	90	120.7	139.7	82.6		101.6	41.3	20.6		29.5	16.8		32.5	19.1	53.1	62.2		4Y210-30 x	
4Y5GH8-31 x		1-15/16	31																		4Y210-31 x	
4Y5GH8-50M x	50																				4Y210-50M x	
4Y5GH8-32 x		2	32																		4Y210-32 x	
4Y5GI8-32 x		2	32	3.937	5.38	6.13	3.63	0.32	4.44	1.75	0.88	1-1/32	1.28	0.69	0.44	1.32	0.87	2.20	2.76	5GI	4Y211-32 x	
4Y5GI8-55M x	55			100	136.7	155.7	92.2		112.8	44.5	22.2		32.5	17.5		33.5	22.1	55.8	70.1		4Y211-55M x	
4Y5GI8-35 x		2-3/16	35																		4Y211-35 x	
4Y5GI8-36 x		2-1/4	36																		4Y211-36 x	
4Y5GJ8-36 x		2-1/4	36	4.331	5.75	6.69	3.88	0.32	4.94	1.75	0.88	1-1/32	1.28	0.69	0.44	1.56	1	2.44	3.03	5GJ	4Y212-36 x	
4Y5GJ8-60M x	60			110	146.1	169.9	98.6		125.5	44.5	22.2		32.5	17.5		39.6	25.4	61.8	77.0		4Y212-60M x	
4Y5GJ8-39 x		2-7/16	39																		4Y212-39 x	
4Y5GK8-39 x		2-7/16	39	4.921	6.38	7.38	4.31	0.38	5.5	2	1.00	1-9/32	1.5	0.75	0.5	1.75	1.19	2.75	3.43	5GK	4Y214-39 x	
4Y5GK8-40 x		2-1/2	40	125	162.1	187.5	109.5		139.7	50.8	25.4		38.1	19.1		44.5	30.2	69.9	87.1		4Y214-40 x	
4Y5GK8-70M x	70																				4Y214-70M x	
4Y5GK8-44 x		2-3/4	44																		4Y214-44 x	
4Y5GL8-40 x				5.128	6.75	7.69	4.44	0.38	5.88	2	1.00	1-9/32	1.5	0.75	0.5	1.75	1.31	2.75	3.6	5GL	4Y215-40 x	
4Y5GL8-43 x		2-11/16	43	130	171.5	195.3	112.8		149.4	50.8	25.4		38.1	19.1		44.5	33.3	69.9	91.4		4Y215-43 x	
4Y5GL8-44 x		2-3/4	44																		4Y215-44 x	
4Y5GL8-45 x		2-13/16	45																		4Y215-45 x	
4Y5GL8-47 x		2-15/16	47																		4Y215-47 x	
4Y5GL8-75M x	75																				4Y215-75M x	
4Y5G8-48 x		3	48																		4Y215-48 x	

X indicates a 2-letter designation for lube & seals
G = food grade grease **X** = standard configuration
F = food grade EPL **O** = open (no seal or flinger)
Other alpha - refer to page 3 **Others** - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



Stainless Ball Solution® Take Up Bearing, Wide

**CLASSIC
or VALUE**

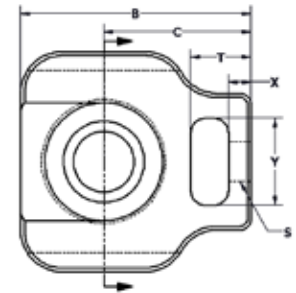
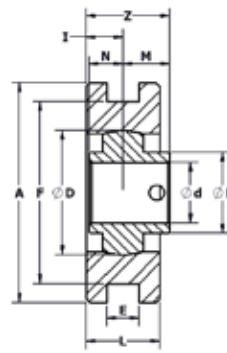
Set screw locking stainless ball bearing Series "4Y"
Take up bearing pattern Series "7"
Stainless housing Series "A"



More Sizes / Styles

Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals



Stainless Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size	A	B	C	E	F	L	I	Hole size	S	T	X	Y	M	N	Overall LTB of brg (L+M)	Z	K	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th																					
4Y7AA8-12M x	12			1.575	3	3.13	2	0.42	2.5	0.97	0.49	17/32	0.81	0.31	1.25	0.61	0.41	1.10	0.97	7AA	4Y203-12M x			
4Y7AA8-08 x		1/2	8	40	76.2	79.5	50.8	10.7	63.5	24.6	12.3		20.6	7.9	31.8	15.5	10.4	27.8	24.6			4Y203-08 x		
4Y7AA8-09 x		9/16	9																				4Y203-09 x	
4Y7AA8-15M x	15																						4Y203-15M x	
4Y7AA8-10 x		5/8	10																				4Y203-10 x	
4Y7AA8-17M x	17																						4Y203-17M x	
4Y7AB8-12M x	12			1.850	3.63	3.69	2.38	0.54	3	1.22	0.61	21/32	1	0.38	1.44	0.72	0.5	1.33	1.14	7AB	4Y204-12M x			
4Y7AB8-08 x		1/2	8	47	92.2	93.7	60.5	13.7	76.2	31.0	15.5		25.4	9.7	36.6	18.3	12.7	33.8	29.0				4Y204-08 x	
4Y7AB8-15M x	15																						4Y204-15M x	
4Y7AB8-10 x		5/8	10																				4Y204-10 x	
4Y7AB8-17M x	17																						4Y204-17M x	
4Y7AB8-11 x		11/16	11																				4Y204-11 x	
4Y7AB8-12 x		3/4	12																				4Y204-12 x	
4Y7AB8-20M x	20																						4Y204-20M x	
4Y7AC8-12 x		3/4	12	2.047	3.63	3.81	2.44	0.54	3	1.22	0.61	21/32	1	0.38	1.44	0.78	0.56	1.39	1.34	7AC	4Y205-12 x			
4Y7AC8-14 x		7/8	14	52	92.2	96.8	62.0	13.7	76.2	31.0	15.5		25.4	9.7	36.6	19.8	14.2	35.3	34.0				4Y205-14 x	
4Y7AC8-15 x		15/16	15																				4Y205-15 x	
4Y7AC8-25M x	25																						4Y205-25M x	
4Y7AC8-16 x		1	16																				4Y205-16 x	
4Y7AD8-16 x		1	16	2.441	4.13	4.38	2.75	0.54	3.5	1.47	0.74	25/32	1.16	0.38	1.63	0.87	0.63	1.61	1.59	7AD	4Y206-16 x			
4Y7AD8-17 x		1-1/16	17	62	104.9	111.3	69.9	13.7	88.9	37.3	18.7		29.5	9.7	41.4	22.1	16.0	40.8	40.4				4Y206-17 x	
4Y7AD8-18 x		1-1/8	18																				4Y206-18 x	
4Y7AD8-30M x	30																						4Y206-30M x	
4Y7AD8-19 x		1-3/16	19																				4Y206-19 x	
4Y7AD8-20 x		1-1/4	20																				4Y206-20 x	
4Y7AE8-19 x		1-3/16	19	2.835	4.13	4.81	3	0.54	3.5	1.47	0.74	25/32	1.16	0.38	1.63	1	0.69	1.74	1.84	7AE	4Y207-19 x			
4Y7AE8-20 x		1-1/4	20	72	104.9	122.2	76.2	13.7	88.9	37.3	18.7		29.5	9.7	41.4	25.4	17.5	44.1	46.7				4Y207-20 x	
4Y7AE8-21 x		1-5/16	21																				4Y207-21 x	
4Y7AE8-22 x		1-3/8	22																				4Y207-22 x	
4Y7AE8-35M x	35																						4Y207-35M x	
4Y7AE8-23 x		1-7/16	23																				4Y207-23 x	
4Y7AF8-23 x		1-7/16	23	3.150	4.5	5.5	3.44	0.7	4	1.88	0.94	1-1/16	1.5	0.56	1.94	1.19	0.75	2.13	2.08	7AF	4Y208-23 x			
4Y7AF8-24 x		1-1/2	24	80	114.3	139.7	87.4	17.8	101.6	47.8	23.9		38.1	14.2	49.3	30.2	19.1	54.1	52.8				4Y208-24 x	
4Y7AF8-40M x	40																						4Y208-40M x	
4Y7AG8-24 x		1-1/2	24	3.346	4.63	5.69	3.5	0.7	4	1.88	0.94	1-1/16	1.5	0.56	1.94	1.19	0.75	2.13	2.31	7AG	4Y209-24 x			
4Y7AG8-26 x		1-5/8	26	85	117.6	144.5	88.9	17.8	101.6	47.8	23.9		38.1	14.2	49.3	30.2	19.1	54.1	58.7				4Y209-26 x	
4Y7AG8-27 x		1-11/16	27																				4Y209-27 x	
4Y7AG8-28 x		1-3/4	28																				4Y209-28 x	
4Y7AG8-45M x	45																						4Y209-45M x	
4Y7AH8-28 x		1-3/4	28	3.543	4.75	5.81	3.56	0.7	4	1.88	0.94	1-1/16	1.5	0.56	1.94	1.28	0.75	2.22	2.45	7AH	4Y210-28 x			
4Y7AH8-30 x		1-7/8	30	90	120.7	147.6	90.4	17.8	101.6	47.8	23.9		38.1	14.2	49.3	32.5	19.1	56.4	62.2				4Y210-30 x	
4Y7AH8-31 x		1-15/16	31																				4Y210-31 x	
4Y7AH8-50M x	50																						4Y210-50M x	
4Y7AH8-32 x		2	32																				4Y210-32 x	
4Y7AI8-32 x		2	32	3.937	5.88	7	4.5	1.07	5.13	1.97	0.99	1-5/16	1.97	0.72	2.5	1.32	0.87	2.31	2.76	7AI	4Y211-32 x			
4Y7AI8-55M x	55			100	149.4	177.8	114.3	27.2	130.3	50.0	25.0		50.0	18.3	63.5	33.5	22.1	58.5	70.1				4Y211-55M x	
4Y7AI8-35 x		2-3/16	35																				4Y211-35 x	
4Y7AI8-36 x		2-1/4	36																				4Y211-36 x	
4Y7AJ8-36 x		2-1/4	36	4.331	5.88	7.5	4.69	1.07	5.13	1.97	0.99	1-5/16	1.97	0.72	2.5	1.56	1	2.55	3.03	7AJ	4Y212-36 x			
4Y7AJ8-60M x	60			110	149.4	190.5	119.1	27.2	130.3	50.0	25.0		50.0	18.3	63.5	39.6	25.4	64.6	77.0				4Y212-60M x	
4Y7AJ8-39 x		2-7/16	39																				4Y212-39 x	
4Y7AK8-39 x		2-7/16	39	4.921	6.69	8.88	5.38	1.07	5.94	1.97	0.99	1-9/16	2.31	0.81	2.88	1.75	1.19	2.74	3.43	7AK	4Y214-39 x			
4Y7AK8-40 x		2-1/2	40	125	169.9	225.6	136.7	27.2	150.9	50.0	25.0		58.7	20.6	73.2	44.5	30.2	69.5	87.1				4Y214-40 x	
4Y7AK8-70M x	70																						4Y214-70M x	
4Y7AK8-44 x		2-3/4	44																				4Y214-44 x	
4Y7AL8-40 x				5.128	6.69	9.13	5.5	1.07	5.94	1.97	0.99	1-9/16	2.31	0.81	2.88	1.75	1.31	2.74	3.6	7AL	4Y215-40			
4Y7AL8-43 x		2-11/16	43	130	169.9	231.9	139.7	27.2	150.9	50.0	25.0		58.7	20.6	73.2	44.5	33.3	69.5	91.4				4Y215-43 x	
4Y7AL8-44 x		2-3/4	44																				4Y215-44 x	
4Y7AL8-45 x		2-13/16	45																				4Y215-45 x	
4Y7AL8-47 x		2-15/16	47																				4Y215-47 x	
4Y7AL8-75M x	75																						4Y215-75M x	
4Y7AL8-48 x		3	48																				4Y215-48 x	

X indicates a 2-letter designation for lube & seals
G

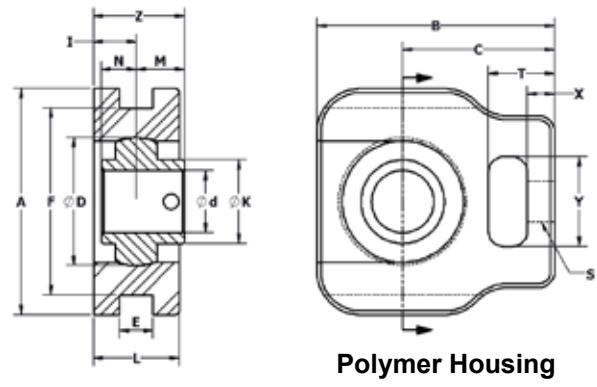
Stainless Ball Solution® Take Up Bearing, Wide

**CLASSIC
or VALUE**

Set screw locking stainless ball bearing Series "4Y"
Take up bearing pattern Series "7"
Polymer housing Series "G"



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85



"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	C	E	F	L	I	Hole size	S	T	X	Y	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN	SETSCREW	
	mm	in	16th																						
4Y7GA8-12M x	12			1.58	3	3.13	2	0.42	2.5	1.13	0.56	17/32	0.88	0.38	1.25	0.61	0.41	1.17	0.97	29.8	24.6	7GA	4Y203-12M x		
4Y7GA8-08 x		1/2	8	40.1	76.2	79.5	50.8	10.7	63.5	28.6	14.3		22.4	9.7	31.8	15.5	10.4	29.8	24.6			7GA	4Y203-08 x		
4Y7GA8-09 x		9/16	9																				7GA	4Y203-09 x	
4Y7GA8-15M x	15																						7GA	4Y203-15M x	
4Y7GA8-10 x		5/8	10																				7GA	4Y203-10 x	
4Y7GA8-17M x	17																						7GA	4Y203-17M x	
4Y7GB8-12M x	12			1.84	3.63	3.69	2.38	0.54	3	1.38	0.69	21/32	1.06	0.44	1.44	0.72	0.5	1.41	1.14			7GB	4Y204-12M x		
4Y7GB8-08 x		1/2	8	46.7	92.2	93.7	60.5	13.7	76.2	35.1	17.5		26.9	11.2	36.6	18.3	12.7	35.8	29.0			7GB	4Y204-08 x		
4Y7GB8-15M x	15																						7GB	4Y204-15M x	
4Y7GB8-10 x		5/8	10																				7GB	4Y204-10 x	
4Y7GB8-17M x	17																						7GB	4Y204-17M x	
4Y7GB8-11 x		11/16	11																				7GB	4Y204-11 x	
4Y7GB8-12 x		3/4	12																				7GB	4Y204-12 x	
4Y7GB8-20M x	20																						7GB	4Y204-20M x	
4Y7GC8-12 x		3/4	12	2.05	3.63	3.81	2.44	0.54	3	1.38	0.69	21/32	1.06	0.44	1.44	0.78	0.56	1.47	1.34			7GC	4Y205-12 x		
4Y7GC8-14 x		7/8	14	52.1	92.2	96.8	62.0	13.7	76.2	35.1	17.5		26.9	11.2	36.6	19.8	14.2	37.3	34.0			7GC	4Y205-14 x		
4Y7GC8-15 x		15/16	15																				7GC	4Y205-15 x	
4Y7GC8-25M x	25																						7GC	4Y205-25M x	
4Y7GC8-16 x		1	16																				7GC	4Y205-16 x	
4Y7GD8-16 x		1	16	2.44	4.13	4.38	2.75	0.54	3.5	1.63	0.81	25/32	1.22	0.44	1.63	0.87	0.63	1.68	1.59			7GD	4Y206-16 x		
4Y7GD8-17 x		1-1/16	17	62.0	104.9	111.3	69.9	13.7	88.9	41.3	20.6		31.0	11.2	41.4	22.1	16.0	42.7	40.4			7GD	4Y206-17 x		
4Y7GD8-18 x		1-1/8	18																				7GD	4Y206-18 x	
4Y7GD8-30M x	30																						7GD	4Y206-30M x	
4Y7GD8-19 x		1-3/16	19																				7GD	4Y206-19 x	
4Y7GD8-20 x		1-1/4	20																				7GD	4Y206-20 x	
4Y7GE8-19 x		1-3/16	19	2.83	4.13	4.81	3	0.54	3.5	1.63	0.81	25/32	1.22	0.44	1.63	1	0.69	1.81	1.84			7GE	4Y207-19 x		
4Y7GE8-20 x		1-1/4	20	71.9	104.9	122.2	76.2	13.7	88.9	41.3	20.6		31.0	11.2	41.4	25.4	17.5	46.0	46.7			7GE	4Y207-20 x		
4Y7GE8-21 x		1-5/16	21																				7GE	4Y207-21 x	
4Y7GE8-22 x		1-3/8	22																				7GE	4Y207-22 x	
4Y7GE8-35M x	35																						7GE	4Y207-35M x	
4Y7GE8-23 x		1-7/16	23																				7GE	4Y207-23 x	
4Y7GF8-23 x		1-7/16	23	3.16	4.5	5.5	3.44	0.69	4	1.88	0.94	1-1/16	1.5	0.56	1.94	1.19	0.75	2.13	2.08			7GF	4Y208-23 x		
4Y7GF8-24 x		1-1/2	24	80.3	114.3	139.7	87.4	17.5	101.6	47.8	23.9		38.1	14.2	49.3	30.2	19.1	54.1	52.8			7GF	4Y208-24 x		
4Y7GF8-40M x	40																						7GF	4Y208-40M x	
4Y7GG8-24 x		1-1/2	24	3.34	4.63	5.69	3.5	0.7	4	1.88	0.94	1-1/16	1.5	0.56	1.94	1.19	0.75	2.13	2.31			7GG	4Y209-24 x		
4Y7GG8-26 x		1-5/8	26	84.8	117.6	144.5	88.9	17.8	101.6	47.8	23.9		38.1	14.2	49.3	30.2	19.1	54.1	58.7			7GG	4Y209-26 x		
4Y7GG8-27 x		1-11/16	27																				7GG	4Y209-27 x	
4Y7GG8-28 x		1-3/4	28																				7GG	4Y209-28 x	
4Y7GG8-45M x	45																						7GG	4Y209-45M x	
4Y7GH8-28 x		1-3/4	28	3.55	4.75	5.81	3.56	0.7	4	1.88	0.94	1-1/16	1.5	0.56	1.94	1.28	0.75	2.22	2.45			7GH	4Y210-28 x		
4Y7GH8-30 x		1-7/8	30	90.2	120.7	147.6	90.4	17.8	101.6	47.8	23.9		38.1	14.2	49.3	32.5	19.1	56.4	62.2			7GH	4Y210-30 x		
4Y7GH8-31 x		1-15/16	31																				7GH	4Y210-31 x	
4Y7GH8-50M x	50																						7GH	4Y210-50M x	
4Y7GH8-32 x		2	32																				7GH	4Y210-32 x	
4Y7GI8-32 x		2	32	3.94	5.88	7.5	4.69	1.07	5.13	2.5	1.25	1-5/16	1.97	0.72	2.5	1.32	0.87	2.57	2.76			7GI	4Y211-32 x		
4Y7GI8-55M x	55			100.1	149.4	190.5	119.1	27.2	130.3	63.5	31.8		50.0	18.3	63.5	33.5	22.1	65.3	70.1			7GI	4Y211-55M x		
4Y7GI8-35 x		2-3/16	35																				7GI	4Y211-35 x	
4Y7GI8-36 x		2-1/4	36																				7GI	4Y211-36 x	
4Y7GJ8-36 x		2-1/4	36	4.33	5.88	7.5	4.69	1.07	5.13	2.5	1.25	1-5/16	1.97	0.72	2.5	1.56	1	2.81	3.03			7GJ	4Y212-36 x		
4Y7GJ8-60M x	60			110.0	149.4	190.5	119.1	27.2	130.3	63.5	31.8		50.0	18.3	63.5	39.6	25.4	71.4	77.0			7GJ	4Y212-60M x		
4Y7GJ8-39 x		2-7/16	39																				7GJ	4Y212-39 x	
4Y7GK8-39 x		2-7/16	39	4.92	6.69	8.88	5.38	1.07	5.94	2.75	1.38	1-9/16	2.31	0.81	2.88	1.75	1.19	3.13	3.43			7GK	4Y214-39 x		
4Y7GK8-40 x		2-1/2	40	125.0	169.9	225.6	136.7	27.2	150.9	69.9	34.9		58.7	20.6	73.2	44.5	30.2	79.4	87.1			7GK	4Y214-40 x		
4Y7GK8-70M x	70																						7GK	4Y214-70M x	
4Y7GK8-44 x		2-3/4	44																				7GK	4Y214-44 x	
4Y7GL8-40 x				5.11	6.69	9.13	5.5	1.07	5.94	2.75	1.38	1-9/16	2.31	0.81	2.88	1.75	1.31	3.13	3.6			7GL	4Y215-40 x		
4Y7GL8-43 x		2-11/16	43	129.8	169.9	231.9	139.7	27.2	150.9	69.9	34.9		58.7	20.6	73.2	44.5	33.3	79.4	91.4			7GL	4Y215-43 x		
4Y7GL8-44 x		2-3/4	44																				7GL	4Y215-44 x	
4Y7GL8-4																									

Stainless Ball Solution® Piloted Flange Bearing

**CLASSIC
or VALUE**

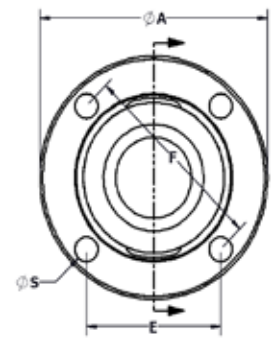
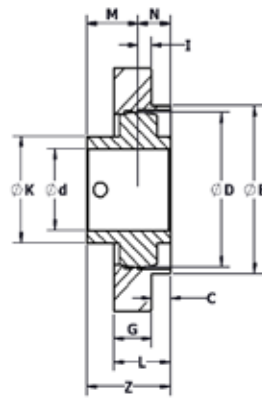
Set screw locking stainless ball bearing Series "4Y"
Piloted flange pattern Series "24"
Stainless housing Series "A"



More Sizes / Styles

Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals



Stainless Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size	A	B	C	E	F	G	L	Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th																
4Y24AC8-12 x		3/4	12	2.047	4.38	3	0.38	2.56	3.63	0.81	1.19	0.34	3/8	0.78	0.56	1.50	1.34	24AC	4Y205-12 x
4Y24AC8-14 x		7/8	14	52	111.1	76.2	9.5	65.1	92.1	20.6	30.2	8.7		19.8	14.2	38.0	34.0		4Y205-14 x
4Y24AC8-15 x		15/16	15																4Y205-15 x
4Y24AC8-25M x	25																		4Y205-25M x
4Y24AC8-16 x		1	16																4Y205-16 x
4Y24AD8-16 x		1	16	2.441	4.38	3	0.38	2.56	3.63	0.88	1.25	0.34	3/8	0.87	0.63	1.59	1.59	24AD	4Y206-16 x
4Y24AD8-17 x		1-1/16	17	62	111.1	76.2	9.5	65.1	92.1	22.2	31.8	8.7		22.1	16.0	40.5	40.4		4Y206-17 x
4Y24AD8-18 x		1-1/8	18																4Y206-18 x
4Y24AD8-30M x	30																		4Y206-30M x
4Y24AD8-19 x		1-3/16	19																4Y206-19 x
4Y24AD8-20 x		1-1/4	20																4Y206-20 x
4Y24AE8-19 x		1-3/16	19	2.835	5	3.38	0.38	2.92	4.13	0.88	1.25	0.33	7/16	1	0.69	1.71	1.84	24AE	4Y207-19 x
4Y24AE8-20 x		1-1/4	20	72	127.0	85.7	9.5	74.1	104.8	22.2	31.8	8.4		25.4	17.5	43.3	46.7		4Y207-20 x
4Y24AE8-21 x		1-5/16	21																4Y207-21 x
4Y24AE8-22 x		1-3/8	22																4Y207-22 x
4Y24AE8-35M x	35																		4Y207-35M x
4Y24AE8-23 x		1-7/16	23																4Y207-23 x
4Y24AF8-23 x		1-7/16	23	3.150	5.25	3.63	0.44	3.09	4.38	0.88	1.31	0.31	7/16	1.19	0.75	1.94	2.08	24AF	4Y208-23 x
4Y24AF8-24 x		1-1/2	24	80	133.4	92.1	11.1	78.6	111.1	22.2	33.4	7.9		30.2	19.1	49.3	52.8		4Y208-24 x
4Y24AF8-40M x	40																		4Y208-40M x
4Y24AG8-24 x		1-1/2	24	3.346	5.25	3.63	0.44	3.09	4.38	0.88	1.31	0.31	1/2	1.19	0.75	1.94	2.31	24AG	4Y209-24 x
4Y24AG8-26 x		1-5/8	26	85	133.4	92.1	11.1	78.6	111.1	22.2	33.4	7.9		30.2	19.1	49.3	58.7		4Y209-26 x
4Y24AG8-27 x		1-11/16	27																4Y209-27 x
4Y24AG8-28 x		1-3/4	28																4Y209-28 x
4Y24AG8-45M x	45																		4Y209-45M x
4Y24AG-DSC8-24 x		1-1/2	24	3.346	5.75	4.00	0.44	3.36	4.75	1.00	1.44	0.34	1/2	1.19	0.75	1.94	2.31	24AG-DSC	4Y209-24 x
4Y24AG-DSC8-26 x		1-5/8	26	85	146.1	101.6	11.1	85.3	120.7	25.4	36.5	8.7		30.2	19.1	49.3	58.7		4Y209-26 x
4Y24AG-DSC8-27 x		1-11/16	27																4Y209-27 x
4Y24AG-DSC8-28 x		1-3/4	28																4Y209-28 x
4Y24AG-DSC8-45M x	45																		4Y209-45M x
4Y24AH8-28 x		1-3/4	28	3.543	6.00	4.25	0.63	3.62	5.13	0.88	1.5	0.24	1/2	1.28	0.75	2.14	2.45	24AH	4Y210-28 x
4Y24AH8-30 x		1-7/8	30	90	152.4	108.0	15.9	92.0	130.2	22.2	38.1	6.0		32.5	19.1	54.5	62.2		4Y210-30 x
4Y24AH8-31 x		1-15/16	31																4Y210-31 x
4Y24AH8-50M x	50																		4Y210-50M x
4Y24AH8-32 x		2	32																4Y210-32 x
4Y24AI8-32 x		2	32	3.937	6.38	4.5	0.63	3.80	5.38	0.88	1.5	0.19	1/2	1.31	0.87	2.13	2.76	24AI	4Y211-32 x
4Y24AI8-55M x	55			100	161.9	114.3	15.9	96.5	136.5	22.2	38.1	4.8		33.3	22.1	54.1	70.1		4Y211-55M x
4Y24AI8-35 x		2-3/16	35																4Y211-35 x
4Y24AI8-36 x		2-1/4	36																4Y211-36 x
4Y24AJ8-36 x		2-1/4	36	4.331	7.13	5	0.88	4.24	6	1.00	1.88	0.19	9/16	1.56	1	2.63	3.03	24AJ	4Y212-36 x
4Y24AJ8-60M x	60			110	181.0	127.0	22.2	107.8	152.4	25.4	47.6	4.7		39.6	25.4	66.7	77.0		4Y212-60M x
4Y24AJ8-39 x		2-7/16	39																4Y212-39 x
4Y24AK8-39 x		2-7/16	39	4.921	7.63	5.5	1.00	4.60	6.5	1.00	2	0.11	9/16	1.75	1.19	2.86	3.43	24AK	4Y214-39 x
4Y24AK8-40 x		2-1/2	40	125	193.7	139.7	25.4	116.7	165.1	25.4	50.8	2.7		44.5	30.2	72.5	87.1		4Y214-40 x
4Y24AK8-70M x	70																		4Y214-70M x
4Y24AK8-44 x		2-3/4	44																4Y214-44 x
4Y24AL8-40 x				5.128	8.75	6.38	1.13	5.30	7.5	1.00	2.13	0.12	11/16	1.75	1.31	3.00	3.6	24AL	4Y215-40
4Y24AL8-43 x		2-11/16	43	130	222.3	161.9	28.6	134.7	190.5	25.4	54.0	3.1		44.5	33.3	76.2	91.4		4Y215-43 x
4Y24AL8-44 x		2-3/4	44																4Y215-44 x
4Y24AL8-45 x		2-13/16	45																4Y215-45 x
4Y24AL8-47 x		2-15/16	47																4Y215-47 x
4Y24AL8-75M x	75																		4Y215-75M x
4Y24AL8-48 x		3	48																4Y215-48 x

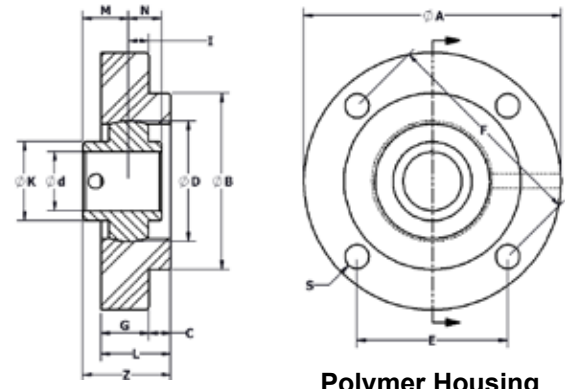
X indicates a 2-letter designation for lube & seals
 G = food grade grease X = standard configuration
 F = food grade EPL O = open (no seal or flinger)
 Other alpha - refer to page 3 Others - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



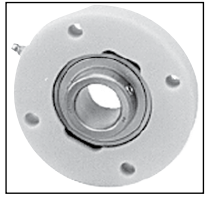
Stainless Ball Solution® Piloted Flange Bearing

**CLASSIC
or VALUE**

Set screw locking stainless ball bearing Series "4Y"
Piloted flange pattern Series "24"
Polymer housing Series "G"



Polymer Housing



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"X" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size	A	B	C	E	F	G	L	Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (L+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th																
4Y24GC8-12 x	3/4	12		2.047	4.38	3	0.38	2.56	3.63	0.81	1.19	0.34	3/8	0.78	0.56	1.50	1.34	24GC	4Y205-12 x
4Y24GC8-14 x	7/8	14		52	111.1	76.2	9.5	65.1	92.1	20.6	30.2	8.7		19.8	14.2	38.0	34.0		4Y205-14 x
4Y24GC8-15 x	15/16	15																	4Y205-15 x
4Y24GC8-25M x																			4Y205-25M x
4Y24GC8-16 x	1	16																	4Y205-16 x
4Y24GD8-16 x	1	16		2.441	4.38	3	0.38	2.56	3.63	0.88	1.25	0.34	3/8	0.87	0.63	1.59	1.59	24GD	4Y206-16 x
4Y24GD8-17 x	1-1/16	17		62	111.1	76.2	9.5	65.1	92.1	22.2	31.8	8.7		22.1	16.0	40.5	40.4		4Y206-17 x
4Y24GD8-18 x	1-1/8	18																	4Y206-18 x
4Y24GD8-30M x																			4Y206-30M x
4Y24GD8-19 x	1-3/16	19																	4Y206-19 x
4Y24GD8-20 x	1-1/4	20																	4Y206-20 x
4Y24GE8-19 x	1-3/16	19		2.835	5	3.38	0.38	2.92	4.13	0.88	1.25	0.33	7/16	1	0.69	1.71	1.84	24GE	4Y207-19 x
4Y24GE8-20 x	1-1/4	20		72	127.0	85.7	9.5	74.1	104.8	22.2	31.8	8.4		25.4	17.5	43.3	46.7		4Y207-20 x
4Y24GE8-21 x	1-5/16	21																	4Y207-21 x
4Y24GE8-22 x	1-3/8	22																	4Y207-22 x
4Y24GE8-35M x																			4Y207-35M x
4Y24GE8-23 x	1-7/16	23																	4Y207-23 x
4Y24GF8-23 x	1-7/16	23		3.150	5.25	3.63	0.44	3.09	4.37	0.88	1.31	0.31	7/16	1.19	0.75	1.94	2.08	24GF	4Y208-23 x
4Y24GF8-24 x	1-1/2	24		80	133.4	92.1	11.1	78.6	111.0	22.2	33.4	7.9		30.2	19.1	49.3	52.8		4Y208-24 x
4Y24GF8-40M x																			4Y208-40M x
4Y24GG8-24 x	1-1/2	24		3.346	5.25	3.63	0.44	3.09	4.38	0.88	1.31	0.31	1/2	1.19	0.75	1.94	2.31	24GG	4Y209-24 x
4Y24GG8-26 x	1-5/8	26		85	133.4	92.1	11.1	78.6	111.1	22.2	33.4	7.9		30.2	19.1	49.3	58.7		4Y209-26 x
4Y24GG8-27 x	1-11/16	27																	4Y209-27 x
4Y24GG8-28 x	1-3/4	28																	4Y209-28 x
4Y24GG8-45M x																			4Y209-45M x
4Y24GG-DSC8-24 x	1-1/2	24		3.346	5.75	4.00	0.44	3.36	4.75	0.88	1.31	0.31	1/2	1.19	0.75	1.94	2.31	24GG-DSC	4Y209-24 x
4Y24GG-DSC8-26 x	1-5/8	26		85	146.1	101.6	11.1	85.3	120.7	22.2	33.4	7.9		30.2	19.1	49.3	58.7		4Y209-26 x
4Y24GG-DSC8-27 x	1-11/16	27																	4Y209-27 x
4Y24GG-DSC8-28 x	1-3/4	28																	4Y209-28 x
4Y24GG-DSC8-45M x																			4Y209-45M x
4Y24GH8-28 x	1-3/4	28		3.543	6.06	4.25	0.63	3.62	5.13	0.88	1.5	0.24	1/2	1.28	0.75	2.14	2.45	24GH	4Y210-28 x
4Y24GH8-30 x	1-7/8	30		90	153.9	108.0	15.9	92.0	130.2	22.2	38.1	6.0		32.5	19.1	54.5	62.2		4Y210-30 x
4Y24GH8-31 x	1-15/16	31																	4Y210-31 x
4Y24GH8-50M x																			4Y210-50M x
4Y24GH8-32 x	2	32																	4Y210-32 x
4Y24GI8-32 x	2	32		3.937	6.38	4.5	0.63	3.80	5.38	0.88	1.5	0.19	1/2	1.31	0.87	2.13	2.76	24GI	4Y211-32 x
4Y24GI8-55M x				100	161.9	114.3	15.9	96.5	136.5	22.2	38.1	4.8		33.3	22.1	54.1	70.1		4Y211-55M x
4Y24GI8-35 x	2-3/16	35																	4Y211-35 x
4Y24GI8-36 x	2-1/4	36																	4Y211-36 x
4Y24GJ8-36 x	2-1/4	36		4.331	7.13	5	0.88	4.24	6	1.00	1.88	0.19	9/16	1.56	1	2.63	3.03	24GJ	4Y212-36 x
4Y24GJ8-60M x				110	181.0	127.0	22.2	107.8	152.4	25.4	47.6	4.7		39.6	25.4	66.7	77.0		4Y212-60M x
4Y24GJ8-39 x	2-7/16	39																	4Y212-39 x
4Y24GK8-39 x	2-7/16	39		4.921	7.63	5.5	1.00	4.60	6.5	1.00	2	0.11	9/16	1.75	1.19	2.86	3.43	24GK	4Y214-39 x
4Y24GK8-40 x	2-1/2	40		125	193.7	139.7	25.4	116.7	165.1	25.4	50.8	2.7		44.5	30.2	72.5	87.1		4Y214-40 x
4Y24GK8-70M x																			4Y214-70M x
4Y24GK8-44 x	2-3/4	44																	4Y214-44 x
4Y24GL8-40 x				5.128	8.75	6.38	1.13	5.30	7.5	1.00	2.13	0.12	11/16	1.75	1.31	3.00	3.6	24GL	4Y215-40
4Y24GL8-43 x	2-11/16	43		130	222.3	161.9	28.6	134.7	190.5	25.4	54.0	3.1		44.5	33.3	76.2	91.4		4Y215-43 x
4Y24GL8-44 x	2-3/4	44																	4Y215-44 x
4Y24GL8-45 x	2-13/16	45																	4Y215-45 x
4Y24GL8-47 x	2-15/16	47																	4Y215-47 x
4Y24GL8-75M x																			4Y215-75M x
4Y24GL8-48 x	3	48																	4Y215-48 x

X indicates a 2-letter designation for lube & seals
 G = food grade grease X = standard configuration
 F = food grade EPL O = open (no seal or flinger)
 Other alpha - refer to page 3 Others - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



Stainless Ball Solution® Four-Bolt Flange

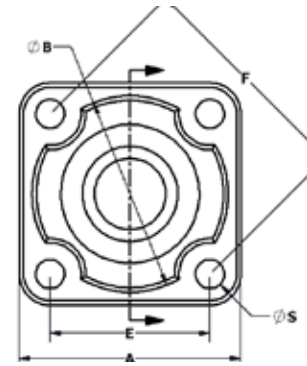
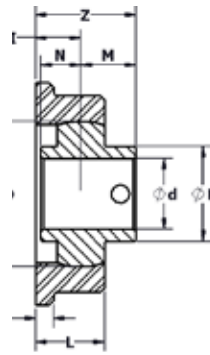
**CLASSIC
or VALUE**

Set screw locking stainless ball bearing Series "4Y"
Standard four-bolt pattern Series "4_-01"
Stainless housing Series "A"



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals



Stainless Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size	A	B	E	F	G	L	Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th															
4Y4AC-018-12 x		3/4	12	2.047	3.13	2.76	2.25	3.18	0.25	0.97	0.64	3/8"	0.78	0.56	1.42	1.34	4AC-01	4Y205-12 x
4Y4AC-018-14 x		7/8	14	52	79.5	70.1	57.2	80.8	6.4	24.6	16.3		19.8	14.2	36.1	34.0		4Y205-14 x
4Y4AC-018-15 x		15/16	15															4Y205-15 x
4Y4AC-018-25M x	25																	4Y205-25M x
4Y4AC-018-16 x		1	16															4Y205-16 x

Stainless Ball Solution® Four-Bolt Flange (QuiKlean®) with 5/8" Stand-off

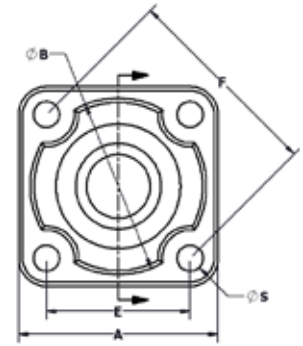
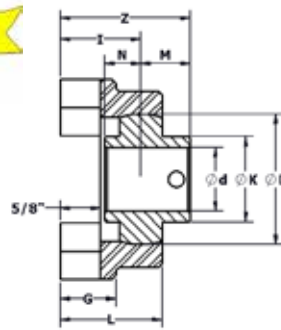
**CLASSIC
or VALUE**

Set screw locking stainless ball bearing Series "4Y"
Standard four-bolt pattern Series "4_-01"
Stainless housing Series "A"
5/8" stand-off above base "QK"



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals



Stainless Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size	A	B	E	F	G	L	Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th															
4Y4AC-01-QK8-12 x		3/4	12	2.047	3.13	2.76	2.25	3.18	0.88	1.60	1.27	3/8"	0.78	0.56	2.05	1.34	4AC-01-QK	4Y205-12 x
4Y4AC-01-QK8-14 x		7/8	14	52	79.5	70.1	57.2	80.8	22.2	40.5	32.1		19.8	14.2	51.9	34.0		4Y205-14 x
4Y4AC-01-QK8-15 x		15/16	15															4Y205-15 x
4Y4AC-01-QK8-25M x	25																	4Y205-25M x
4Y4AC-01-QK8-16 x		1	16															4Y205-16 x

QuiKlean® housing
with integral standoff
is 5/8" above the base
of standard units

X indicates a 2-letter designation for lube & seals
G = food grade grease X = standard configuration
F = food grade EPL O = open (no seal or flinger)
Other alpha - refer to page 3 Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers



Stainless Ball Solution® Breader Bearing

CLASSIC

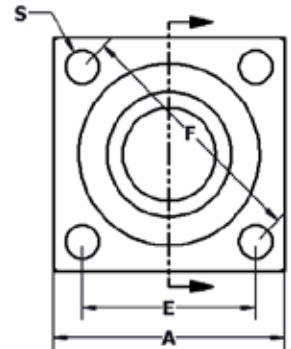
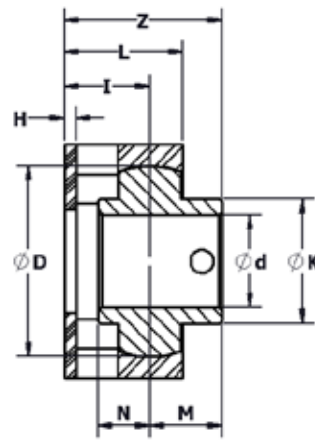
Stainless QuiKlean® housing
 Assembly includes PA backing plate
 and stainless ball bearing, either:
 Food grade solid lubricant (prefix ZJ)
 Food grade grease (prefix ZY)
 H1 graphite lubricant (prefix ZW)



More Sizes / Styles

Inserts pgs F-5 to F-9
 Eccentric inserts in SS or KG: pgs F-10 to F-34
 QuiKlean® eccentric: pgs F-34 to F-47
 Set screw inserts in SS or KG: pgs F-48 to F-72
 QuiKlean® set screw: pgs F-72 to F-85

“X” indicates a 2-letter designation referring to lube & seals



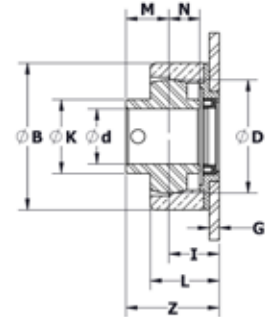
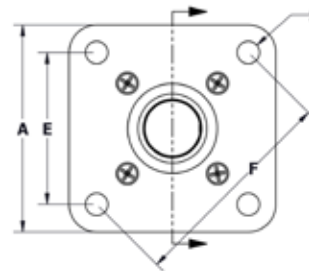
Stainless Housing

MOUNTED BEARING PART NUMBER	d		Sphere OD size	D	A	E	F	H	L	I	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Standoff	Housing PN	Ball bearing PN
	in	16th																
ZJZA100-QK8-3/4	3/4	12	2.047	2.5	1.875	2.65	0.13	1.28	0.93	5/16	0.78	0.56	1.71	1.34	0.50 / 12.7	ZA100-QK	4Y205-12FX	
ZJZA100-QK8-1	1	16	52	63.5	47.6	67.3	3.2	32.5	23.6		19.8	14.2	43.4	34.0			4Y205-16FX	
ZWZA100-QK8-1	1	16																4Y205-16WX
ZYZA100-QK8-1	1	16																4Y205-16GX

Stainless Ball Solution® Breader Auger

CLASSIC

For vertical shaft on JBT Breader
 Stainless four bolt flange
 with exclusionary seal
 and solid lubricant, stainless ball bearing



Stainless Housing

MOUNTED BEARING PART NUMBER	d		Sphere OD size	D	A	B	E	F	G	I	L	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Seal	Housing PN	Ball bearing PN
	in	16th																	
ZJZA400-ON8-1	1	16	2.047 52	3.75 95.3	2.66 67.6	2.75 69.9	3.89 98.8	0.18 4.6	0.91 23.12	1.25 31.8	3/8	0.78 19.8	0.56 14.2	1.69 42.3	1.34 34.0	EDT-Glove® C	ZA100-QK	4Y205-16FX	

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 F = food grade EPL O = open (no seal or flinger)
 Other alpha - refer to page 3 Others - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



Stainless Ball Solution® Pillow Block (QuiKlean®) with 5/8" Stand-off

**CLASSIC
or VALUE**

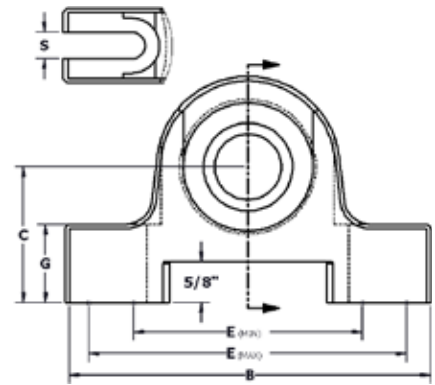
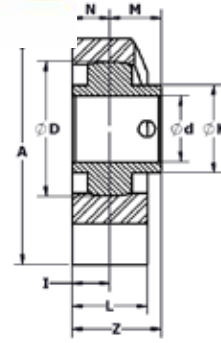
Set screw locking stainless ball bearing Series "4Y"
Standard backing height Series "1"
Stainless housing Series "A"
5/8" stand-off above base "QK"



More Sizes / Styles

Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"X" indicates a 2-letter designation referring to lube & seals



Stainless Housing

QK only available on standard height

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	C	E min	E max	G	L	I	Sph. depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th																		
4Y1AC-QK8-12 x		3/4	12	2.047	3.438	5.5	2.063	3.44	4.63	1.188	1.13	0.56	3/8	0.78	0.56	1.34	1.34	1AC-QK	4Y205-12 x		
4Y1AC-QK8-14 x		7/8	14	52	87.3	139.7	52.4	87.4	117.6	30.2	28.7	14.2		19.8	14.2	34.0	34.0		4Y205-14 x		
4Y1AC-QK8-15 x		15/16	15																	4Y205-15 x	
4Y1AC-QK8-25M x	25																			4Y205-25M x	
4Y1AC-QK8-16 x		1	16																	4Y205-16 x	

QuiKlean® housing
with integral standoff
is 5/8" above the base
of standard units

X indicates a 2-letter designation for lube & seals
 G = food grade grease X = standard configuration
 F = food grade EPL O = open (no seal or flinger)
 Other alpha - refer to page 3 Others - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



Stainless Ball Solution® Pillow Block (QuiKlean®) with 5/8" Stand-off

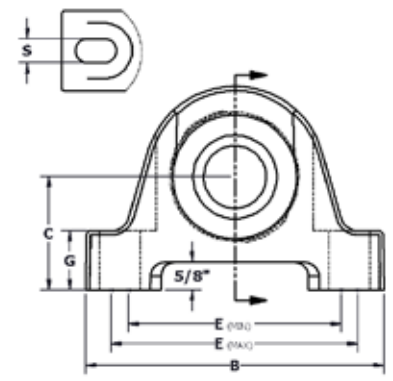
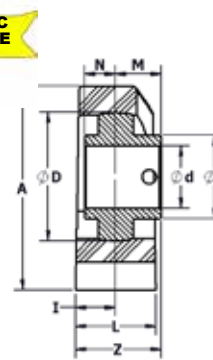
**CLASSIC
or VALUE**

Set screw locking stainless ball bearing Series "4Y"
Standard backing height Series "1"
Polymer housing Series "G"
5/8" stand-off above base "QK"



More Sizes / Styles

Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85



Polymer Housing

QK only available on standard height

"X" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	C	E min	E max	G	L	I	S	M	N	Z	K	Housing PN	Ball bearing PN	SETSCREW	
	mm	in	16th																			
4Y1GA-QK8-12M x	12			1.575	2.88	5	1.69	2.94	4.06	1.06	1.25	0.63	3/8	0.61	0.41	1.24	0.97		1AA-QK	4Y203-12M x		
4Y1GA-QK8-08 x		1/2	8	40	73.2	127.0	42.9	74.7	103.1	26.9	31.8	15.9		15.5	10.4	31.4	24.6			4Y203-08 x		
4Y1GA-QK8-09 x			9																	4Y203-09 x		
4Y1GA-QK8-15M x	15																				4Y203-15M x	
4Y1GA-QK8-10 x		5/8	10																		4Y203-10 x	
4Y1GA-QK8-17M x	17																				4Y203-17M x	
4Y1GB-QK8-12M x	12			1.850	3.31	5.27	1.94	3.25	4.38	1.13	1.4	0.69	3/8	0.72	0.5	1.41	1.14		1AB-QK	4Y204-12M x		
4Y1GB-QK8-08 x		1/2	8	47	84.1	133.9	49.3	82.6	111.3	28.6	35.6	17.5		18.3	12.7	35.8	29.0			4Y204-08 x		
4Y1GB-QK8-15M x	15																				4Y204-15M x	
4Y1GB-QK8-10 x		5/8	10																		4Y204-10 x	
4Y1GB-QK8-17M x	17																				4Y204-17M x	
4Y1GB-QK8-11 x		11/16	11																		4Y204-11 x	
4Y1GB-QK8-12 x		3/4	12																		4Y204-12 x	
4Y1GB-QK8-20M x	20																				4Y204-20M x	
4Y1GC-QK8-12 x		3/4	12	2.047	3.56	5.5	2.06	3.44	4.63	1.19	1.52	0.75	3/8	0.78	0.56	1.53	1.34		1AC-QK	4Y205-12 x		
4Y1GC-QK8-14 x		7/8	14	52	90.4	139.7	52.3	87.4	117.6	30.2	38.6	19.1		19.8	14.2	38.9	34.0			4Y205-14 x		
4Y1GC-QK8-15 x		15/16	15																		4Y205-15 x	
4Y1GC-QK8-25M x	25																				4Y205-25M x	
4Y1GC-QK8-16 x		1	16																		4Y205-16 x	
4Y1GD-QK8-16 x		1	16	2.441	4	6.25	2.31	4.13	5.13	1.31	1.75	0.88	1/2	0.87	0.63	1.75	1.59		1AD-QK	4Y206-16 x		
4Y1GD-QK8-17 x		1-1/16	17	62	101.6	158.8	58.7	104.9	130.3	33.3	44.5	22.2		22.1	16.0	44.3	40.4			4Y206-17 x		
4Y1GD-QK8-18 x		1-1/8	18																		4Y206-18 x	
4Y1GD-QK8-30M x	30																				4Y206-30M x	
4Y1GD-QK8-19 x		1-3/16	19																		4Y206-19 x	
4Y1GD-QK8-20 x		1-1/4	20																		4Y206-20 x	
4Y1GE-QK8-19 x		1-3/16	19	2.835	4.5	6.56	2.5	4.69	5.44	1.31	1.75	0.88	1/2	1	0.69	1.88	1.84		1AE-QK	4Y207-19 x		
4Y1GE-QK8-20 x		1-1/4	20	72	114.3	166.6	63.5	119.1	138.2	33.3	44.5	22.2		25.4	17.5	47.6	46.7			4Y207-20 x		
4Y1GE-QK8-21 x		1-5/16	21																		4Y207-21 x	
4Y1GE-QK8-22 x		1-3/8	22																		4Y207-22 x	
4Y1GE-QK8-35M x	35																				4Y207-35M x	
4Y1GE-QK8-23 x		1-7/16	23																		4Y207-23 x	
4Y1GF-QK8-23 x		1-7/16	23	3.150	4.94	7.25	2.75	5	6.13	1.38	1.94	0.97	1/2	1.19	0.75	2.16	2.08		1AF-QK	4Y208-23 x		
4Y1GF-QK8-24 x		1-1/2	24	80	125.5	184.2	69.9	127.0	155.7	34.9	49.3	24.6		30.2	19.1	54.9	52.8			4Y208-24 x		
4Y1GF-QK8-40M x	40																				4Y208-40M x	

QuiKlean® housing
with integral standoff
is 5/8" above the base
of standard units

X indicates a 2-letter designation for lube & seals
G = food grade grease X = standard configuration
F = food grade EPL O = open (no seal or flinger)
Other alpha - refer to page 3 Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

Stainless Ball Solution® Tapped Base Pillow Block (QuiKlean®) with 5/8" Stand-off

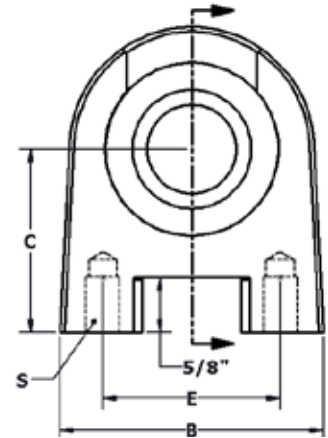
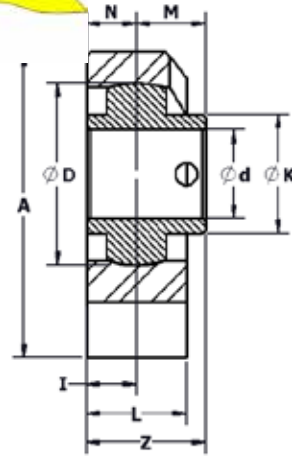
**CLASSIC
or VALUE**

Set screw locking stainless ball bearing Series "4Y"
Tapped base housing Series "9"
Stainless housing Series "A"
5/8" stand-off above base "QK"



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals



Stainless Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size	A	B	C	E	L	Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th														
4Y9AA-QK8-12M x	12		8	1.575	3.03	2.88	1.94	2	1.13	0.56	3/8-16	0.61	0.41	1.17	0.97	9AA-QK	4Y203-12M x
4Y9AA-QK8-08 x		1/2	8	40	77.0	73.2	49.3	50.8	28.7	14.2		15.5	10.4	29.7	24.6		4Y203-08 x
4Y9AA-QK8-09 x		9/16	9														4Y203-09 x
4Y9AA-QK8-15M x	15																4Y203-15M x
4Y9AA-QK8-10 x		5/8	10														4Y203-10 x
4Y9AA-QK8-17M x	17																4Y203-17M x
4Y9AB-QK8-12M x	12		8	1.850	3.16	2.88	1.94	2	1.13	0.56	3/8-16	0.72	0.5	1.28	1.14	9AB-QK	4Y204-12M x
4Y9AB-QK8-08 x		1/2	8	47	80.3	73.2	49.3	50.8	28.7	14.2		18.3	12.7	32.5	29.0		4Y204-08 x
4Y9AB-QK8-15M x	15																4Y204-15M x
4Y9AB-QK8-10 x		5/8	10														4Y204-10 x
4Y9AB-QK8-17M x	17																4Y204-17M x
4Y9AB-QK8-11 x		11/16	11														4Y204-11 x
4Y9AB-QK8-12 x		3/4	12														4Y204-12 x
4Y9AB-QK8-20M x	20																4Y204-20M x
4Y9AC-QK8-12 x		3/4	12	2.047	3.44	3	2.06	2	1.13	0.56	3/8-16	0.78	0.56	1.34	1.34	9AC-QK	4Y205-12 x
4Y9AC-QK8-14 x		7/8	14	52	87.4	76.2	52.3	50.8	28.7	14.2		19.8	14.2	34.0	34.0		4Y205-14 x
4Y9AC-QK8-15 x		15/16	15														4Y205-15 x
4Y9AC-QK8-25M x	25																4Y205-25M x
4Y9AC-QK8-16 x		1	16														4Y205-16 x
4Y9AD-QK8-16 x		1	16	2.441	3.88	4	2.31	3	1.47	0.74	7/16-14	0.87	0.63	1.61	1.59	9AD-QK	4Y206-16 x
4Y9AD-QK8-17 x		1-1/16	17	62	98.6	101.6	58.7	76.2	37.3	18.8		22.1	16.0	40.9	40.4		4Y206-17 x
4Y9AD-QK8-18 x		1-1/8	18														4Y206-18 x
4Y9AD-QK8-30M x	30																4Y206-30M x
4Y9AD-QK8-19 x		1-3/16	19														4Y206-19 x
4Y9AD-QK8-20 x		1-1/4	20														4Y206-20 x
4Y9AE-QK8-19 x		1-3/16	19	2.835	4.31	4.25	2.5	3.25	1.47	0.74	1/2-13	1	0.69	1.74	1.84	9AE-QK	4Y207-19 x
4Y9AE-QK8-20 x		1-1/4	20	72	109.5	108.0	63.5	82.6	37.3	18.8		25.4	17.5	44.2	46.7		4Y207-20 x
4Y9AE-QK8-21 x		1-5/16	21														4Y207-21 x
4Y9AE-QK8-22 x		1-3/8	22														4Y207-22 x
4Y9AE-QK8-35M x	35																4Y207-35M x
4Y9AE-QK8-23 x		1-7/16	23														4Y207-23 x
4Y9AF-QK8-23 x		1-7/16	23	3.150	4.56	4.63	2.56	3.5	1.63	0.81	1/2-13	1.19	0.75	2.00	2.08	9AF-QK	4Y208-23 x
4Y9AF-QK8-24 x		1-1/2	24	80	115.8	117.6	65.0	88.9	41.4	20.6		30.2	19.1	50.8	52.8		4Y208-24 x
4Y9AF-QK8-40M x	40																4Y208-40M x

**QuiKlean® housing
with integral standoff
is 5/8" above the base
of standard units**

X indicates a 2-letter designation for lube & seals
G = food grade grease X = standard configuration
F = food grade EPL O = open (no seal or flinger)
Other alpha - refer to page 3 Others - refer to page 3
Example: GX = food grade grease with standard seals & fingers



Stainless Ball Solution® Tapped Base Pillow Block (QuiKlean®) with 5/8" Stand-off

**CLASSIC
or VALUE**

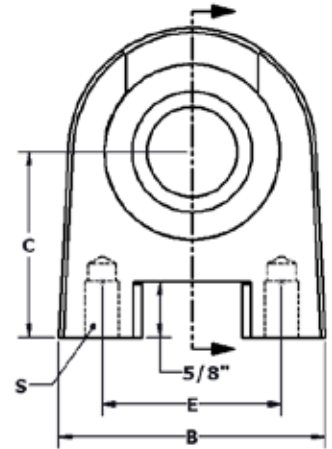
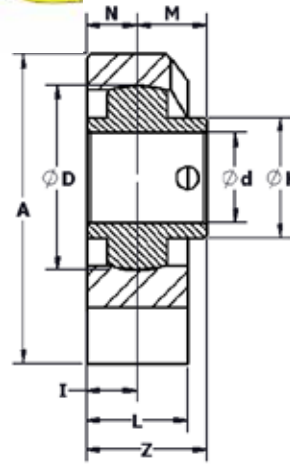
Set screw locking stainless ball bearing Series "4Y"
Tapped base housing Series "9"
Polymer housing Series "G"
5/8" stand-off above base "QK"



More Sizes / Styles

Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals



Polymer Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	C	E	L	I	Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th																
4Y9GA-QK8-12M x	12			1.575	3.08	2.94	1.94	2	1.12	0.56	1.17	0.97	3/8-16	0.61	0.41	1.17	0.97	9GA-QK	4Y203-12M x
4Y9GA-QK8-08 x		1/2	8	40	78.2	74.7	49.3	50.8	28.4	14.2				15.5	10.4	29.7	24.6		4Y203-08 x
4Y9GA-QK8-09 x		9/16	9																4Y203-09 x
4Y9GA-QK8-15M x	15																		4Y203-15M x
4Y9GA-QK8-10 x		5/8	10																4Y203-10 x
4Y9GA-QK8-17M x	17																		4Y203-17M x
4Y9GB-QK8-12M x	12			1.850	3.2	3.07	1.94	2	1.13	0.56	1.17	0.97	3/8-16	0.72	0.5	1.28	1.14	9GB-QK	4Y204-12M x
4Y9GB-QK8-08 x		1/2	8	47	81.3	78.0	49.3	50.8	28.7	14.2				18.3	12.7	32.5	29.0		4Y204-08 x
4Y9GB-QK8-15M x	15																		4Y204-15M x
4Y9GB-QK8-10 x		5/8	10																4Y204-10 x
4Y9GB-QK8-17M x	17																		4Y204-17M x
4Y9GB-QK8-11 x		11/16	11																4Y204-11 x
4Y9GB-QK8-12 x		3/4	12																4Y204-12 x
4Y9GB-QK8-20M x	20																		4Y204-20M x
4Y9GC-QK8-12 x		3/4	12	2.047	3.44	3.11	2.06	2	1.16	0.57	1.17	0.97	3/8-16	0.78	0.56	1.35	1.34	9GC-QK	4Y205-12 x
4Y9GC-QK8-14 x		7/8	14	52	87.4	79.0	52.3	50.8	29.5	14.5				19.8	14.2	34.3	34.0		4Y205-14 x
4Y9GC-QK8-15 x		15/16	15																4Y205-15 x
4Y9GC-QK8-25M x	25																		4Y205-25M x
4Y9GC-QK8-16 x		1	16																4Y205-16 x
4Y9GD-QK8-16 x		1	16	2.441	4	4.25	2.31	3	1.63	0.81	7/16-14	0.87	0.63	1.68	1.59			9GD-QK	4Y206-16 x
4Y9GD-QK8-17 x		1-1/16	17	62	101.6	108.0	58.7	76.2	41.4	20.6				22.1	16.0	42.7	40.4		4Y206-17 x
4Y9GD-QK8-18 x		1-1/8	18																4Y206-18 x
4Y9GD-QK8-30M x	30																		4Y206-30M x
4Y9GD-QK8-19 x		1-3/16	19																4Y206-19 x
4Y9GD-QK8-20 x		1-1/4	20																4Y206-20 x
4Y9GE-QK8-19 x		1-3/16	19	2.835	4.5	4.66	2.5	3.25	1.75	0.88	1/2-13	1	0.69	1.88	1.84			9GE-QK	4Y207-19 x
4Y9GE-QK8-20 x		1-1/4	20	72	114.3	118.4	63.5	82.6	44.5	22.4				25.4	17.5	47.8	46.7		4Y207-20 x
4Y9GE-QK8-21 x		1-5/16	21																4Y207-21 x
4Y9GE-QK8-22 x		1-3/8	22																4Y207-22 x
4Y9GE-QK8-35M x	35																		4Y207-35M x
4Y9GE-QK8-23 x		1-7/16	23																4Y207-23 x
4Y9GF-QK8-23 x		1-7/16	23	3.150	4.75	4.75	2.56	3.5	1.88	0.94	1/2-13	1.19	0.75	2.13	2.08			9GF-QK	4Y208-23 x
4Y9GF-QK8-24 x		1-1/2	24	80	120.7	120.7	65.0	88.9	47.8	23.9				30.2	19.1	54.1	52.8		4Y208-24 x
4Y9GF-QK8-40M x	40																		4Y208-40M x

**QuiKlean® housing
with integral standoff
is 5/8" above the base
of standard units**

X indicates a 2-letter designation for lube & seals
G = food grade grease **X** = standard configuration
F = food grade EPL **O** = open (no seal or flinger)
Other alpha - refer to page 3 **Others** - refer to page 3
 Example: GX = food grade grease with standard seals & flingers



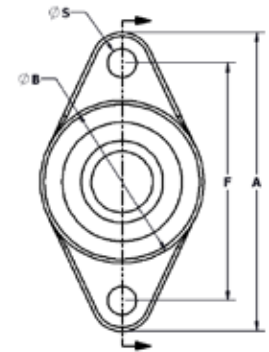
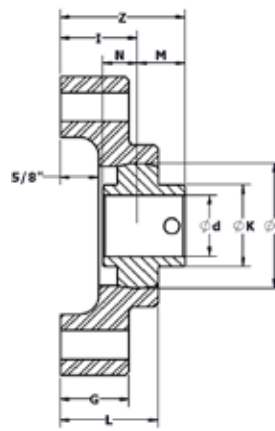
Stainless Ball Solution® Two-Bolt Flange (QuiKlean®) with 5/8" Stand-off

**CLASSIC
or VALUE**

Set screw locking stainless ball bearing Series "4Y"
Standard two-bolt pattern Series "2"
Stainless housing Series "A"
5/8" stand-off above base "QK"



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85



Stainless Housing

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	E	G	L	I	S	M	N	Z	K	Housing PN	Ball bearing PN
	mm	in	16th															
4Y2AA-QK8-12M x	12		8	1.575	3.88	2.15	3	1.06	1.47	1.15	3/8"	0.61	0.41	1.76	0.97	2AA-QK	4Y203-12M x	
4Y2AA-QK8-12M x		1/2	8	40	98.6	54.6	76.2	27.0	37.3	29.2		15.5	10.4	44.7	24.6		4Y203-08 x	
4Y2AA-QK8-12M x		9/16	9															4Y203-09 x
4Y2AA-QK8-12M x	15		10															4Y203-15M x
4Y2AA-QK8-12M x		5/8	10															4Y203-10 x
4Y2AA-QK8-12M x	17																	4Y203-17M x
4Y2AA-QK8-12M x	12	1/2	8	1.850	4.41	2.42	3.53	1.06	1.58	1.22	3/8"	0.72	0.5	1.94	1.14	2AB-QK	4Y204-12M x	
4Y2AA-QK8-12M x		7/8	14	47	112.0	61.5	89.7	27.0	40.1	31.0		18.3	12.7	49.3	29.0		4Y204-08 x	
4Y2AA-QK8-12M x	15		10															4Y204-15M x
4Y2AA-QK8-12M x		5/8	10															4Y204-10 x
4Y2AA-QK8-12M x	17																	4Y204-17M x
4Y2AA-QK8-12M x		11/16	11															4Y204-11 x
4Y2AA-QK8-12M x		3/4	12															4Y204-12 x
4Y2AA-QK8-12M x	20																	4Y204-20M x
4Y2AA-QK8-12M x		3/4	12	2.047	4.89	2.66	3.89	1.13	1.6	1.16	7/16"	0.78	0.56	1.94	1.34	2AC-QK	4Y205-12 x	
4Y2AA-QK8-12M x		7/8	14	52	124.2	67.6	98.8	28.6	40.6	29.5		19.8	14.2	49.3	34.0		4Y205-14 x	
4Y2AA-QK8-12M x	25		15															4Y205-15 x
4Y2AA-QK8-12M x		15/16	15															4Y205-25M x
4Y2AA-QK8-12M x		1	16															4Y205-16 x
4Y2AA-QK8-12M x		1	16	2.441	5.69	3.12	4.6	1.13	1.69	1.28	7/16"	0.87	0.63	2.15	1.59	2AD-QK	4Y206-16 x	
4Y2AA-QK8-12M x		1-1/16	17	62	144.5	79.2	116.8	28.6	42.9	32.5		22.1	16.0	54.6	40.4		4Y206-17 x	
4Y2AA-QK8-12M x	30		18															4Y206-18 x
4Y2AA-QK8-12M x		1-1/8	18															4Y206-30M x
4Y2AA-QK8-12M x		1-3/16	19															4Y206-19 x
4Y2AA-QK8-12M x		1-1/4	20															4Y206-20 x
4Y2AA-QK8-12M x		1-3/16	19	2.835	6.25	3.62	5.12	1.19	1.85	1.42	1/2"	1	0.69	2.42	1.84	2AE-QK	4Y207-19 x	
4Y2AA-QK8-12M x		1-1/4	20	72	158.8	91.9	130.0	30.2	47.0	36.1		25.4	17.5	61.5	46.7		4Y207-20 x	
4Y2AA-QK8-12M x	35		21															4Y207-21 x
4Y2AA-QK8-12M x		1-5/16	21															4Y207-22 x
4Y2AA-QK8-12M x		1-3/8	22															4Y207-35M x
4Y2AA-QK8-12M x		1-7/16	23															4Y207-23 x
4Y2AA-QK8-12M x		1-7/16	23	3.150	6.78	4	5.66	1.19	1.87	1.39	1/2"	1.19	0.75	2.58	2.08	2AF-QK	4Y208-23 x	
4Y2AA-QK8-12M x		1-1/2	24	80	172.2	101.6	143.8	30.2	47.5	35.3		30.2	19.1	65.5	52.8		4Y208-24 x	
4Y2AA-QK8-12M x	40																	4Y208-40M x

QuiKlean® housing
with integral standoff
is 5/8" above the base
of standard units

X indicates a 2-letter designation for lube & seals
G = food grade grease X = standard configuration
F = food grade EPL O = open (no seal or flinger)
Other alpha - refer to page 3 Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers



Stainless Ball Solution® Two-Bolt Flange (QuiKlean®) with 5/8" Stand-off

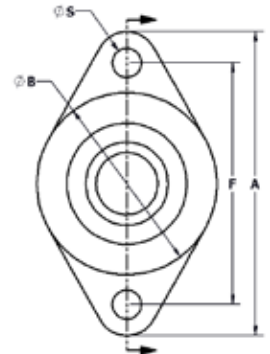
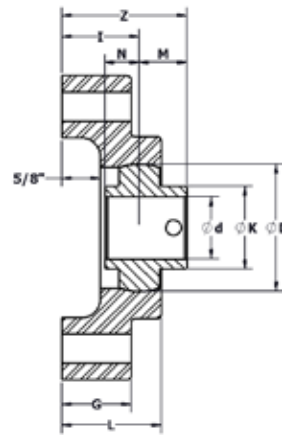
**CLASSIC
or VALUE**

Set screw locking stainless ball bearing Series "4Y"
Standard two-bolt pattern Series "2"
Polymer housing Series "G"
5/8" stand-off above base "QK"



More Sizes / Styles

Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85



Polymer Housing

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	F	G	L	I	Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (L+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th																
4Y2GA-QK8-12M x	12		8	1.575	3.88	2.15	3	1.06	1.47	1.15	3/8"	0.61	0.41	1.76	0.97		2GA-QK	4Y203-12M x	
4Y2GA-QK8-08 x		1/2	9	40	98.6	54.6	76.2	26.9	37.3	29.2		15.5	10.4	44.7	24.6			4Y203-08 x	
4Y2GA-QK8-09 x		9/16																4Y203-09 x	
4Y2GA-QK8-15M x	15		10															4Y203-15M x	
4Y2GA-QK8-10 x		5/8																4Y203-10 x	
4Y2GA-QK8-17M x	17																	4Y203-17M x	
4Y2GB-QK8-12M x	12		8	1.850	4.41	2.69	3.53	1.06	1.58	1.22	3/8"	0.72	0.5	1.94	1.14		2GB-QK	4Y204-12M x	
4Y2GB-QK8-08 x		1/2		47	112.0	68.3	89.7	26.9	40.1	31.0		18.3	12.7	49.3	29.0			4Y204-08 x	
4Y2GB-QK8-15M x	15		10															4Y204-15M x	
4Y2GB-QK8-10 x		5/8																4Y204-10 x	
4Y2GB-QK8-17M x	17																	4Y204-17M x	
4Y2GB-QK8-11 x		11/16	11															4Y204-11 x	
4Y2GB-QK8-12 x		3/4	12															4Y204-12 x	
4Y2GB-QK8-20M x	20																	4Y204-20M x	
4Y2GC-QK8-12 x		3/4	12	2.047	4.89	2.93	3.89	1.13	1.62	1.26	7/16"	0.78	0.56	2.04	1.34		2GC-QK	4Y205-12 x	
4Y2GC-QK8-14 x		7/8	14	52	124.2	74.4	98.8	28.6	41.0	32.0		19.8	14.2	51.8	34.0			4Y205-14 x	
4Y2GC-QK8-15 x		15/16	15															4Y205-15 x	
4Y2GC-QK8-25M x	25		16															4Y205-25M x	
4Y2GC-QK8-16 x		1	16															4Y205-16 x	
4Y2GD-QK8-16 x		1	16	2.441	5.59	3.625	4.59	1.13	1.69	1.28	7/16"	0.87	0.63	2.15	1.59		2GD-QK	4Y206-16 x	
4Y2GD-QK8-17 x		1-1/16	17	62	142.0	92.1	116.6	28.6	42.9	32.5		22.1	16.0	54.6	40.4			4Y206-17 x	
4Y2GD-QK8-18 x		1-1/8	18															4Y206-18 x	
4Y2GD-QK8-30M x	30																	4Y206-30M x	
4Y2GD-QK8-19 x		1-3/16	19															4Y206-19 x	
4Y2GD-QK8-20 x		1-1/4	20															4Y206-20 x	
4Y2GE-QK8-19 x		1-3/16	19	2.835	6.25	4	5.12	1.19	1.85	1.42	1/2"	1	0.69	2.42	1.84		2GE-QK	4Y207-19 x	
4Y2GE-QK8-20 x		1-1/4	20	72	158.8	101.6	130.0	30.2	47.0	36.1		25.4	17.5	61.5	46.7			4Y207-20 x	
4Y2GE-QK8-21 x		1-5/16	21															4Y207-21 x	
4Y2GE-QK8-22 x		1-3/8	22															4Y207-22 x	
4Y2GE-QK8-35M x	35																	4Y207-35M x	
4Y2GE-QK8-23 x		1-7/16	23															4Y207-23 x	
4Y2GF-QK8-23 x		1-7/16	23	3.150	6.78	4.56	5.66	1.19	1.87	1.39	1/2"	1.19	0.75	2.58	2.08		2GF-QK	4Y208-23 x	
4Y2GF-QK8-24 x		1-1/2	24	80	172.2	115.8	143.8	30.2	47.5	35.3		30.2	19.1	65.5	52.8			4Y208-24 x	
4Y2GF-QK8-40M x	40																	4Y208-40M x	

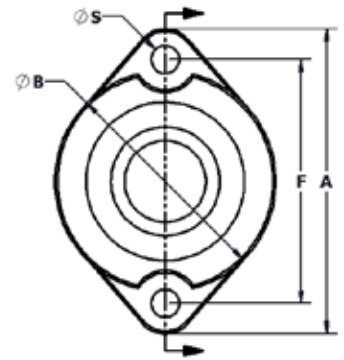
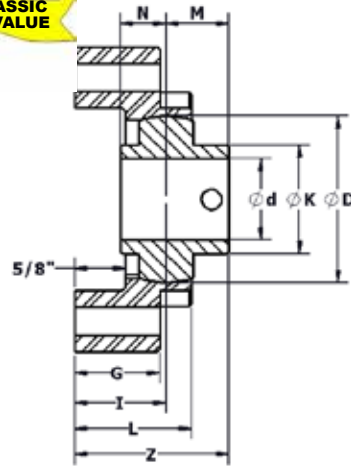
QuiKlean® housing
with integral standoff
is 5/8" above the base
of standard units

X indicates a 2-letter designation for lube & seals
G = food grade grease X = standard configuration
F = food grade EPL O = open (no seal or flinger)
Other alpha - refer to page 3 Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

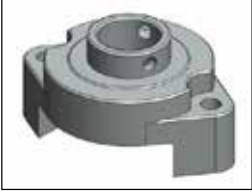
Stainless Ball Solution® Small Two-Bolt Flange (QuiKlean®) with 5/8" Stand-off

Set screw locking stainless ball bearing Series "4Y"
Small two-bolt pattern Series "6"
Stainless housing Series "A"
5/8" stand-off above base "QK"

CLASSIC
or VALUE



Stainless Housing



More Sizes / Styles

Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

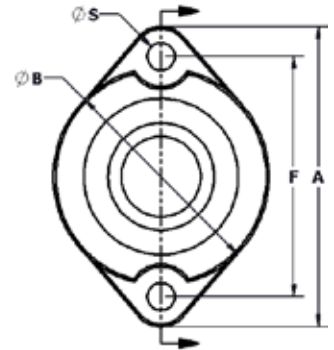
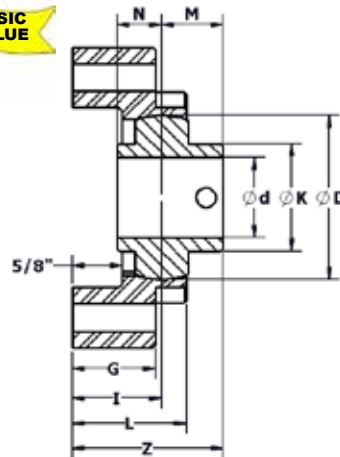
"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	F	G	L	Sph depth I	Bolt size S	Brg c/l to front M	Brg c/l to back N	Overall LTB of brg + hsg (I+M) Z	Brg collar size K	Housing PN	Ball bearing PN SETScrew
	mm	in	16th															
4Y6AE-QK8-19 x		1-3/16	19	2.835	4.94	3.5	3.94	1.13	1.58	1.19	3/8	1	0.69	2.19	1.84	6AE-QK	4Y207-19 x	
4Y6AE-QK8-20 x		1-1/4	20	72	125.5	88.9	100.1	28.7	40.1	30.2			25.4	17.5	55.6	46.7		4Y207-20 x
4Y6AE-QK8-21 x		1-5/16	21															4Y207-21 x
4Y6AE-QK8-22 x		1-3/8	22															4Y207-22 x
4Y6AE-QK8-35M x	35																	4Y207-35M x
4Y6AE-QK8-23 x		1-7/16	23															4Y207-23 x

Stainless Ball Solution® Small Two-Bolt Flange (QuiKlean®) with 5/8" Stand-off

Set screw locking stainless ball bearing Series "4Y"
Small two-bolt pattern Series "6"
Polymer housing Series "G"
5/8" stand-off above base "QK"

CLASSIC
or VALUE



Polymer Housing



More Sizes / Styles

Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

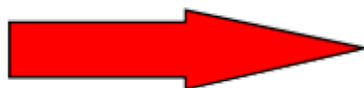
"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	F	G	L	Sph depth I	Bolt size S	Brg c/l to front M	Brg c/l to back N	Overall LTB of brg + hsg (I+M) Z	Brg collar size K	Housing PN	Ball bearing PN SETScrew
	mm	in	16th															
4Y6GE-QK8-19 x		1-3/16	19	2.835	4.94	3.5	3.94	1.13	1.58	1.19	3/8	1	0.69	2.19	1.84	6GE-QK	4Y207-19 x	
4Y6GE-QK8-20 x		1-1/4	20	72	125.5	88.9	100.1	28.7	40.1	30.2			25.4	17.5	55.6	46.7		4Y207-20 x
4Y6GE-QK8-21 x		1-5/16	21															4Y207-21 x
4Y6GE-QK8-22 x		1-3/8	22															4Y207-22 x
4Y6GE-QK8-35M x	35																	4Y207-35M x
4Y6GE-QK8-23 x		1-7/16	23															4Y207-23 x

QuiKlean® housing
with integral standoff
is 5/8" above the base
of standard units

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F = food grade EPL O = open (no seal or flinger)
Other alpha - refer to page 3 Others - refer to page 3
Example: GX = food grade grease with standard seals & fingers

**SET SCREW
BALL BEARINGS
CONTINUE ON
PAGE 82**



Stainless Ball Solution® Three-Bolt Flange (QuiKlean®) with 5/8" Stand-off

**CLASSIC
or VALUE**

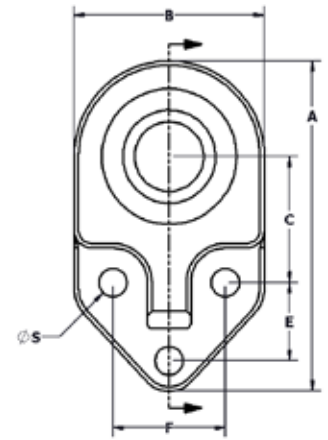
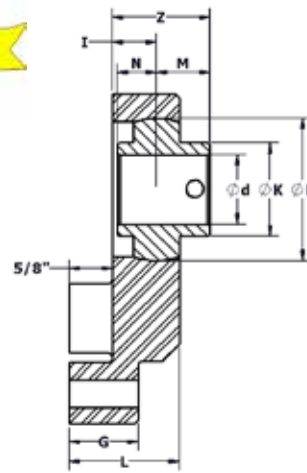
Set screw locking stainless ball bearing Series "4Y"
Standard three-bolt pattern Series "3"
Stainless housing Series "A"
5/8" stand-off above base "QK"



More Sizes / Styles

Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals



Stainless Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	C	E	F	G	L	I	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th																	
4Y3AE-QK8-19 x	1-3/16	19	2.835	6	3.63	2.38	1.25	2	1.125	1.85	0.79	1/2"	1	0.69	1.79	1.84	3AE-QK	4Y207-19 x		
4Y3AE-QK8-20 x	1-1/4	20	72	152.4	92.2	60.5	31.8	50.8	28.6	46.9	20.1	25.4	17.5	45.5	46.7			4Y207-20 x		
4Y3AE-QK8-21 x	1-5/16	21																	4Y207-21 x	
4Y3AE-QK8-22 x	1-3/8	22																	4Y207-22 x	
4Y3AE-QK8-35M x	35																		4Y207-35M x	
4Y3AE-QK8-23 x	1-7/16	23																	4Y207-23 x	

QuiKlean® housing
with integral standoff
is 5/8" above the base
of standard units

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Stainless Ball Solution® Three-Bolt Flange (QuiKlean®) with 5/8" Stand-off

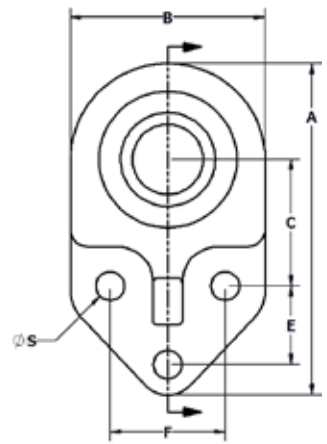
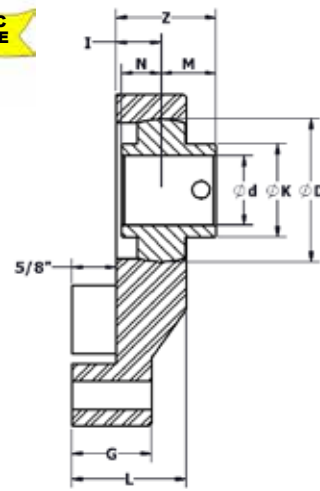
**CLASSIC
or VALUE**

Set screw locking stainless ball bearing Series "4Y"
Standard three-bolt pattern Series "3"
Polymer housing Series "G"
5/8" stand-off above base "QK"



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"X" indicates a 2-letter designation referring to lube & seals



Polymer Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	C	E	F	G	L	I	S	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN	SETSCREW
	mm	in	16th																		
4Y3GA-QK8-12M x	12			1.575	3.66	2.19	1.38	0.81	1.25	1.06	1.47	0.53	5/16"	0.61	0.41	1.14	0.97	3GA-QK	4Y203-12M x		
4Y3GA-QK8-08 x		1/2	8	40	93.0	55.6	35.1	20.6	31.8	26.9	37.3	13.5		15.5	10.4	29.0	24.6		4Y203-08 x		
4Y3GA-QK8-09 x		9/16	9																	4Y203-09 x	
4Y3GA-QK8-15M x	15																			4Y203-15M x	
4Y3GA-QK8-10 x		5/8	10																	4Y203-10 x	
4Y3GA-QK8-17M x	17																			4Y203-17M x	
4Y3GB-QK8-12M x	12			1.850	4.34	2.56	1.69	0.88	1.5	1.06	1.58	0.59	3/8"	0.72	0.5	1.31	1.14	3GB-QK	4Y204-12M x		
4Y3GB-QK8-08 x		1/2	8	47	110.2	65.0	42.9	22.4	38.1	26.9	40.1	15.0		18.3	12.7	33.3	29.0		4Y204-08 x		
4Y3GB-QK8-15M x	15																			4Y204-15M x	
4Y3GB-QK8-10 x		5/8	10																	4Y204-10 x	
4Y3GB-QK8-17M x	17																			4Y204-17M x	
4Y3GB-QK8-11 x		11/16	11																	4Y204-11 x	
4Y3GB-QK8-12 x		3/4	12																	4Y204-12 x	
4Y3GB-QK8-20M x	20																			4Y204-20M x	
4Y3GC-QK8-12 x		3/4	12	2.047	4.75	2.75	1.81	1.13	1.63	1.13	1.615	0.64	3/8"	0.78	0.56	1.42	1.34	3GC-QK	4Y205-12 x		
4Y3GC-QK8-14 x		7/8	14	52	120.7	69.9	46.0	28.6	41.4	28.6	41.0	16.1		19.8	14.2	35.9	34.0		4Y205-14 x		
4Y3GC-QK8-15 x		15/16	15																	4Y205-15 x	
4Y3GC-QK8-25M x	25																			4Y205-25M x	
4Y3GC-QK8-16 x		1	16																	4Y205-16 x	
4Y3GD-QK8-16 x		1	16	2.441	5.44	3.25	2.06	1.25	1.88	1.125	1.69	0.66	3/8"	0.87	0.63	1.53	1.59	3GD-QK	4Y206-16 x		
4Y3GD-QK8-17 x		1-1/16	17	62	138.2	82.6	52.3	31.8	47.8	28.6	42.9	16.8		22.1	16.0	38.9	40.4		4Y206-17 x		
4Y3GD-QK8-18 x		1-1/8	18																	4Y206-18 x	
4Y3GD-QK8-30M x	30																			4Y206-30M x	
4Y3GD-QK8-19 x		1-3/16	19																	4Y206-19 x	
4Y3GD-QK8-20 x		1-1/4	20																	4Y206-20 x	
4Y3GE-QK8-19 x		1-3/16	19	2.835	6.19	3.81	2.38	1.25	2	1.19	1.85	0.79	1/2"	1	0.69	1.79	1.84	3GE-QK	4Y207-19 x		
4Y3GE-QK8-20 x		1-1/4	20	72	157.2	96.8	60.5	31.8	50.8	30.2	47.0	20.1		25.4	17.5	45.5	46.7		4Y207-20 x		
4Y3GE-QK8-21 x		1-5/16	21																	4Y207-21 x	
4Y3GE-QK8-22 x		1-3/8	22																	4Y207-22 x	
4Y3GE-QK8-35M x	35																			4Y207-35M x	
4Y3GE-QK8-23 x		1-7/16	23																	4Y207-23 x	
4Y3GF-QK8-23 x		1-7/16	23	3.150	6.72	4.25	2.56	1.38	2.25	1.19	1.86	0.77	1/2"	1.19	0.75	1.96	2.08	3GF-QK	4Y208-23 x		
4Y3GF-QK8-24 x		1-1/2	24	80	170.7	108.0	65.0	35.1	57.2	30.2	47.2	19.6		30.2	19.1	49.8	52.8		4Y208-24 x		
4Y3GF-QK8-40M x	40																			4Y208-40M x	

QuiKlean® housing
with integral standoff
is 5/8" above the base
of standard units

X indicates a 2-letter designation for lube & seals
G = food grade grease X = standard configuration
F = food grade EPL O = open (no seal or flinger)
Other alpha - refer to page 3 Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers



Stainless Ball Solution® Four-Bolt Flange (QuiKlean®) with 5/8" Stand-off

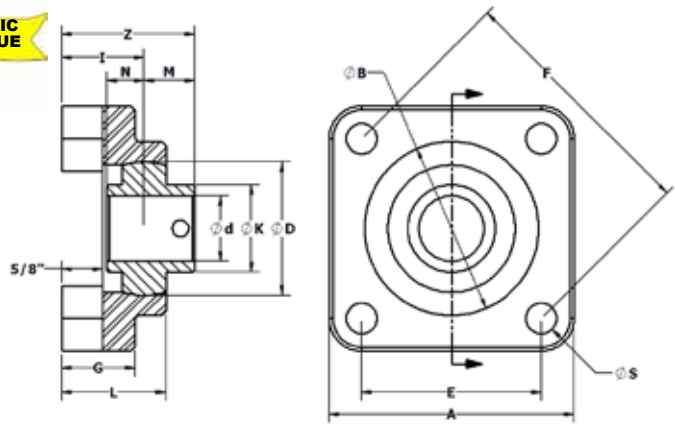
**CLASSIC
or VALUE**

Set screw locking stainless ball bearing Series "4Y"
Standard four-bolt pattern Series "4"
Stainless housing Series "A"
5/8" stand-off above base "QK"



More Sizes / Styles

Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85



Stainless Housing

"X" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	E	F	G	L	I	S	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th																
4Y4AB-QK8-12M x	12		8	1.850	3.37	2.42	2.5	3.54	1.06	1.58	1.22	3/8"	0.72	0.5	1.94	1.14	4AB-QK	4Y204-12M x	
4Y4AB-QK8-08 x		1/2		47	85.6	61.5	63.5	89.9	26.9	40.1	31.0		18.3	12.7	49.3	29.0		4Y204-08 x	
4Y4AB-QK8-15M x	15																		4Y204-15M x
4Y4AB-QK8-10 x		5/8	10																4Y204-10 x
4Y4AB-QK8-17M x	17																		4Y204-17M x
4Y4AB-QK8-11 x		11/16	11																4Y204-11 x
4Y4AB-QK8-12 x		3/4	12																4Y204-12 x
4Y4AB-QK8-20M x	20																		4Y204-20M x
4Y4AC-QK8-12 x		3/4	12	2.047	3.75	2.66	2.75	3.89	1.13	1.6	1.26	7/16"	0.78	0.56	2.04	1.34	4AC-QK	4Y205-12 x	
4Y4AC-QK8-14 x		7/8	14	52	95.3	67.6	69.9	98.8	28.7	40.6	32.0		19.8	14.2	51.8	34.0		4Y205-14 x	
4Y4AC-QK8-15 x		15/16	15																4Y205-15 x
4Y4AC-QK8-25M x	25																		4Y205-25M x
4Y4AC-QK8-16 x		1	16																4Y205-16 x
4Y4AD-QK8-16 x		1	16	2.441	4.25	3.12	3.25	4.59	1.13	1.69	1.28	7/16"	0.87	0.63	2.15	1.59	4AD-QK	4Y206-16 x	
4Y4AD-QK8-17 x		1-1/16	17	62	108.0	79.2	82.6	116.6	28.7	42.9	32.5		22.1	16.0	54.6	40.4		4Y206-17 x	
4Y4AD-QK8-18 x		1-1/8	18																4Y206-18 x
4Y4AD-QK8-30M x	30																		4Y206-30M x
4Y4AD-QK8-19 x		1-3/16	19																4Y206-19 x
4Y4AD-QK8-20 x		1-1/4	20																4Y206-20 x
4Y4AE-QK8-19 x		1-3/16	19	2.835	4.75	3.62	3.62	5.13	1.19	1.85	1.42	1/2"	1	0.69	2.42	1.84	4AE-QK	4Y207-19 x	
4Y4AE-QK8-20 x		1-1/4	20	72	120.7	91.9	91.9	130.3	30.2	47.0	36.1		25.4	17.5	61.5	46.7		4Y207-20 x	
4Y4AE-QK8-21 x		1-5/16	21																4Y207-21 x
4Y4AE-QK8-22 x		1-3/8	22																4Y207-22 x
4Y4AE-QK8-35M x	35																		4Y207-35M x
4Y4AE-QK8-23 x		1-7/16	23																4Y207-23 x
4Y4AF-QK8-23 x		1-7/16	23	3.150	5.12	4	4	5.66	1.19	1.87	1.39	1/2"	1.19	0.75	2.58	2.08	4AF-QK	4Y208-23 x	
4Y4AF-QK8-24 x		1-1/2	24	80	130.0	101.6	101.6	143.8	30.2	47.5	35.3		30.2	19.1	65.5	52.8		4Y208-24 x	
4Y4AF-QK8-40M x	40																		4Y208-40M x

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of standard units

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Other alpha - refer to page 3 Others - refer to page 3
Example: GX = food grade grease with standard seals & fingers



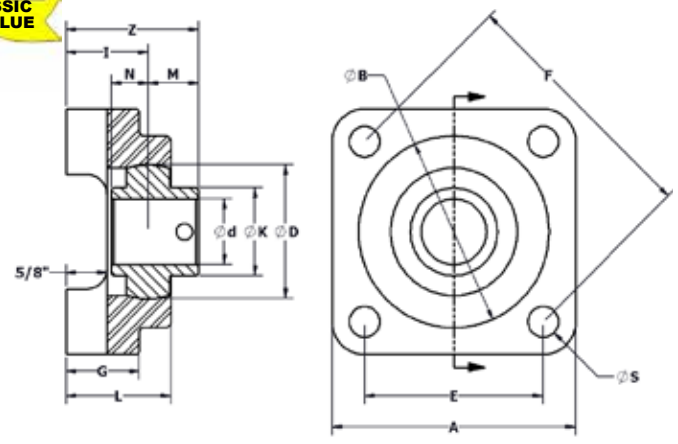
Stainless Ball Solution® Four-Bolt Flange (QuiKlean®) with 5/8" Stand-off

**CLASSIC
or VALUE**

Set screw locking stainless ball bearing Series "4Y"
Standard four-bolt pattern Series "4"
Polymer housing Series "G"
5/8" stand-off above base "QK"



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85



Polymer Housing

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size	D	A	B	E	F	G	L	I	Bolt size S	Brg c/l to front M	Brg c/l to back N	Overall LTB of brg (I+M) Z	Brg collar size K	Housing PN	Ball bearing PN
	mm	in	16th																
4Y4GA-QK8-12M x	12		8	1.575	3	2.15	2.13	3.01	1.06	1.47	1.15	3/8"	0.61	0.41	1.76	0.97	4GA-QK	4Y203-12M x	
4Y4GA-QK8-08 x		1/2	9	40	76.2	54.6	54.1	76.5	26.9	37.3	29.2		15.5	10.4	44.7	24.6		4Y203-08 x	
4Y4GA-QK8-09 x		9/16																	4Y203-09 x
4Y4GA-QK8-15M x	15		10																4Y203-15M x
4Y4GA-QK8-10 x		5/8																	4Y203-10 x
4Y4GA-QK8-17M x	17																		4Y203-17M x
4Y4GB-QK8-12M x	12		8	1.850	3.38	2.69	2.5	3.54	1.06	1.57	1.22	3/8"	0.72	0.5	1.94	1.14	4GB-QK	4Y204-12M x	
4Y4GB-QK8-08 x		1/2	9	47	85.9	68.3	63.5	89.9	26.9	39.9	31.0		18.3	12.7	49.3	29.0		4Y204-08 x	
4Y4GB-QK8-15M x	15		10																4Y204-15M x
4Y4GB-QK8-10 x		5/8																	4Y204-10 x
4Y4GB-QK8-17M x	17																		4Y204-17M x
4Y4GB-QK8-11 x		11/16	11																4Y204-11 x
4Y4GB-QK8-12 x		3/4	12																4Y204-12 x
4Y4GB-QK8-20M x	20																		4Y204-20M x
4Y4GC-QK8-12 x		3/4	12	2.047	3.75	2.93	2.75	3.89	1.13	1.62	1.26	7/16"	0.78	0.56	2.04	1.34	4GC-QK	4Y205-12 x	
4Y4GC-QK8-14 x		7/8	14	52	95.3	74.4	69.9	98.8	28.6	41.1	32.0		19.8	14.2	51.8	34.0		4Y205-14 x	
4Y4GC-QK8-15 x		15/16	15																4Y205-15 x
4Y4GC-QK8-25M x	25																		4Y205-25M x
4Y4GC-QK8-16 x		1	16																4Y205-16 x
4Y4GD-QK8-16 x		1	16	2.441	4.25	3.63	3.25	4.6	1.13	1.69	1.28	7/16"	0.87	0.63	2.15	1.59	4GD-QK	4Y206-16 x	
4Y4GD-QK8-17 x		1-1/16	17	62	108.0	92.2	82.6	116.8	28.6	42.9	32.5		22.1	16.0	54.6	40.4		4Y206-17 x	
4Y4GD-QK8-18 x		1-1/8	18																4Y206-18 x
4Y4GD-QK8-30M x	30																		4Y206-30M x
4Y4GD-QK8-19 x		1-3/16	19																4Y206-19 x
4Y4GD-QK8-20 x		1-1/4	20																4Y206-20 x
4Y4GE-QK8-19 x		1-3/16	19	2.835	4.75	4	3.63	5.13	1.19	1.85	1.42	1/2"	1	0.69	2.42	1.84	4GE-QK	4Y207-19 x	
4Y4GE-QK8-20 x		1-1/4	20	72	120.7	101.6	92.2	130.3	30.2	47.0	36.1		25.4	17.5	61.5	46.7		4Y207-20 x	
4Y4GE-QK8-21 x		1-5/16	21																4Y207-21 x
4Y4GE-QK8-22 x		1-3/8	22																4Y207-22 x
4Y4GE-QK8-35M x	35																		4Y207-35M x
4Y4GE-QK8-23 x		1-7/16	23																4Y207-23 x
4Y4GF-QK8-23 x		1-7/16	23	3.150	5.13	4.56	4	5.66	1.19	1.87	1.39	1/2"	1.19	0.75	2.58	2.08	4GF-QK	4Y208-23 x	
4Y4GF-QK8-24 x		1-1/2	24	80	130.3	115.8	101.6	143.8	30.2	47.5	35.3		30.2	19.1	65.5	52.8		4Y208-24 x	
4Y4GF-QK8-40M x	40																		4Y208-40M x

QuiKlean® housing
with integral standoff
is 5/8" above the base
of standard units

X indicates a 2-letter designation for lube & seals
G = food grade grease X = standard configuration
F = food grade EPL O = open (no seal or flinger)
Other alpha - refer to page 3 Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

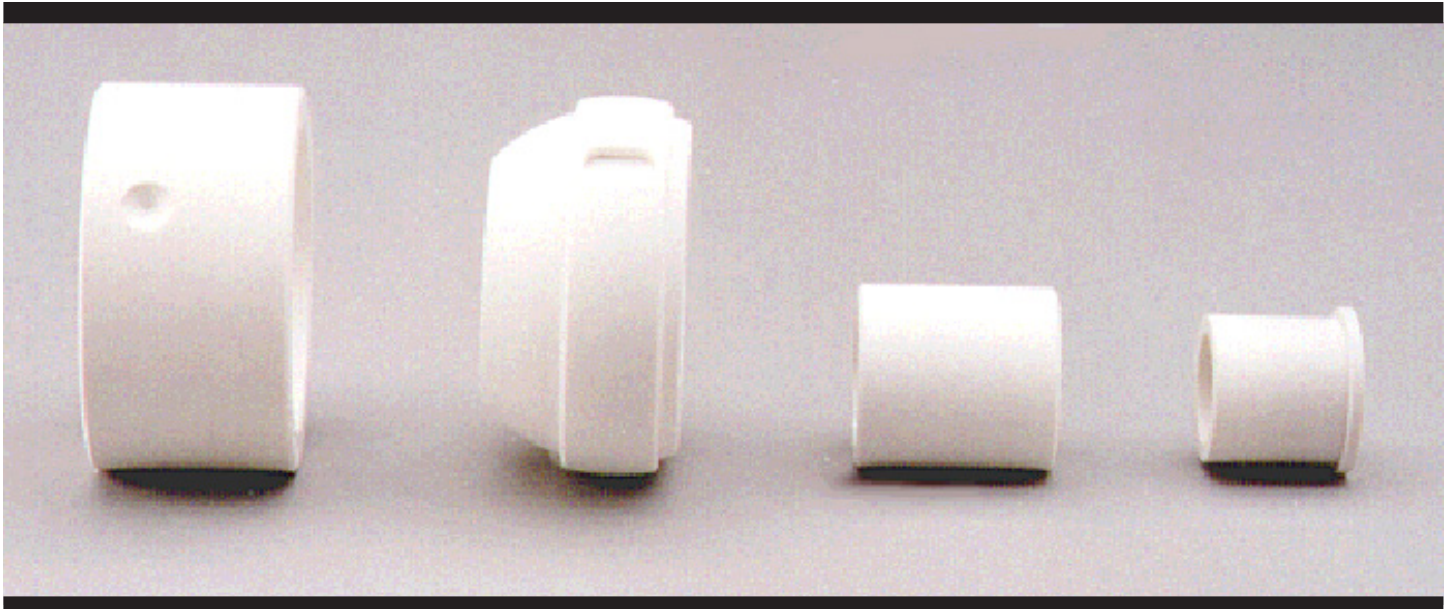


ENGINEERING NOTES





HIGH TEMP DIRECT FOOD CONTACT BEARINGS



Solid polymer bearings for submerged high temperature locations

- Eliminate rolling element bearing failures
- “FA” is a white material that is USDA accepted for direct and continuous food contact
- 550°F / 290°C continuous operating temperature
- No lubrication required
- Reduce downtime
- Decrease likelihood of catastrophic failure
- Predictable replacement schedule
- Sanitary
- Interchange with industry-standard bearings (sizes for other custom applications are available)

FRYER BEARINGS

High temperature, food-contact approved plane bearings
reduce maintenance time with improved reliability and sanitation.

Examples of high temperature bearings available from EDT Corp

EDT P/N	Dimension ID – OD – LTB	Replaces	Location
FAB14-1	1 x 1-3/8 x 1-1/2	Torrington BH-1616	Chain tensioner
FAB14-3/4	3/8 x 1-3/8 x 3/4	Torrington CYR - 1-3/8 S	Chain tensioner
FA1207-3/8	3/8 x 1-3/8 x 3/4	McGill CYR 1-1/4S cam follower	Sprocket idler bearing
FA2006-1	1 x 2 x 9/16	Nice 1641 single row radial ball bearing	
FA2212-1-3/4	1-3/4 x 2-1/4 x 1-1/4		Boiling water tank bearing
FA2815-2-1/4	2.2 x 2.8 x 1.5 with anti-rotation slot		Kettle shaft bearing
FAF1012-1/2	1/12 x 1-1/4 x 3/4 with 1" flange		Idler sprocket arm
FAB1210-7/8	7/8 x 1-1/4 x 1 with 2-3/8" flange		Fryer submerger belt
FAF1013-1/2	1/2 x 3/4 x 1-5/16 with 1" flange		Fryer
FAIUCO-1	52mm OD spherical for 1" shaft	205-ring ball bearing insert	Fryer shafting bearing
FAIU DO-1-3/16	62mm OD spherical for 1-3/16" shaft	206-ring ball bearing insert	Fryer paddle bearing
FAIU EO-1-7/16	72mm OD spherical for 1-7/16" shaft	207-ring ball bearing insert	Fryer paddle bearing
FAIU GO-1-11/16	85mm OD spherical for 1-11/16" shaft	209-ring ball bearing insert	Fryer paddle bearing
FAIU HO-1-15/16	90mm OD spherical for 1-15/16" shaft	210-ring ball bearing insert	Fryer paddle bearing

Other sizes and styles of bearings can be made.
Short lead times on most sizes for any quantities.

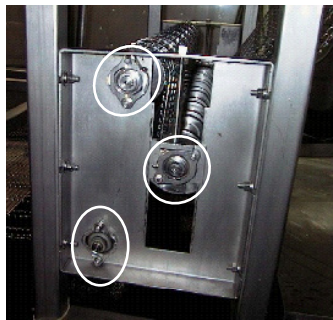


FRYER BEARINGS: PILOTED 2-BOLT STAINLESS SOLUTION®

EDT Solution® bearings are sanitary and non-corrosive

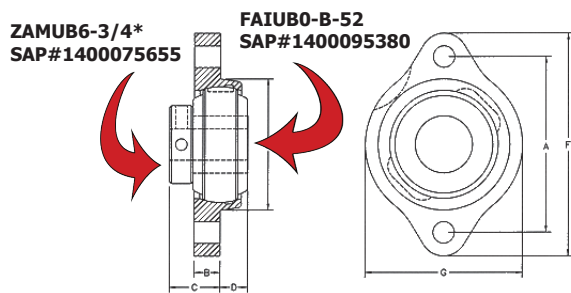
- Can be used on JBT-Stein fryers and filter belts: Models HPF II, M, TFF II
- Interchange with Linkbelt: FXR-UG212, FXR-U212, FXR-W212U, FXR-YG212
- Designed for HACCP
- Flat mounting surfaces
- Smoothest surface finish in industry
- Sanitary and easy to clean

For non-drive locations (12 bearings per machine)



Stainless Poly-Round® Solution®

- “FA” material plane bearing eliminates rolling element maintenance
- Totally grease-less
- Zero-maintenance
- Fully sanitary
- Rated to 500°F
- All non-corrosive components
- No catastrophic failure



PART #		A	B	C	D	E	F	G	Bolt Size	Wt
Group	Ring	in	in	in	in	in	in	in		lbs
	FA6AB-SP7-3/4									
	SAP#66203200									
B	204	2-13/16	13/32	27/32	27/64	2-7/64	3-9/16	2-1/2	5/16	0.8
	1.850"	71.4	10.3	21.4	10.7	53.6	90.5	63.5		

*TIP: With tempura-type batter, specify hardened locking sleeve, EDT ZAMuBH-3/4

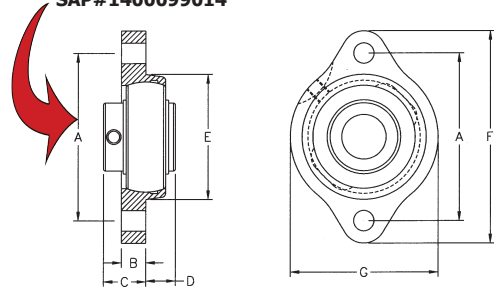
For drive locations



Stainless Ball Solution®

- 100% Stainless
- Regreaseable insert rated to 250°F
- Solid lubricated insert rated to 450°F
- Solid lubricated insert is maintenance-free after initial installation

Insert Bearing
4Y204-12GX
SAP#1400099014



PART #		A	B	C	D	E	F	G	Bolt Size	Wt
Group	Ring	in	in	in	in	in	in	in		lbs
	4Y6AB-SP8-12GX									
	SAP#1400010178									
B	204	2-13/16	27/64	23/32	1/2	2-1/8	3-9/16	2-7/32	5/16	0.8
	1.850"	71.4	10.7	18.3	12.7	54.0	90.5	56.4		



COMPARE THE COSTS OF OWNERSHIP OF PILOTED FRYER BEARINGS

EDT fryer bearings save money, time, and labor!

Cost of standard piloted bearing over 1 year	
<i>Based on 3 months average life</i>	
Cost to purchase original bearing	\$ 75.00
Cost to install original bearing \$22/hr labor (37¢ per min) x 30 min	\$ 11.00
Cost to lube bearing in weeks when bearing is not changed:	
Labor (37¢ per min) x 15 min/wk at 52 - 4 weeks	\$ 5.50 x 48
\$1/oz x 4 oz/month x 12 mths (Lubriplate High Temp grease)	+ 48.00 \$312.00
Cost to change out original bearing	
Bearing	\$ 75.00
Labor: 37¢ per min x 30 min x 3 times per year	+ 11.00 x 3
	\$ 258.00

Cost of EDT fryer bearing over 1 year	
<i>Based on ss housing lasting 24 months and bearing and sleeve lasting 12 months (housings MAY last longer)</i>	
Cost to purchase EDT bearing FA6AB-SP7-3/4	\$231.00
Cost to install EDT bearing \$22/hr labor (37¢ per min) x 30 min	\$ 11.00
Cost to lubricate EDT bearing No lubricant needed	0
Cost to change out original bearing No replacement for 12 months	0



Year 1 Cost of each bearing	\$656.00
---------------------------------------	-----------------

Year 1 Cost of each bearing	\$242.00
---------------------------------------	-----------------

Original bearing cost	\$ 656.00	per bearing over 1 year
versus EDT bearing cost	<u>\$ 242.00</u>	per bearing over 1 year
FIRST-YEAR SAVINGS	\$ 414.00	x 12 bearings per machine = \$4,968.00 savings

Year 2 Same as year 1: Bearing (\$75x4), installation (\$11x4), labor (\$5.50x48), lube (\$48)	\$656.00
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Year 2 Cost of insert and sleeve (p/n FAIUB7-SP-3/4, \$149), labor (37¢ per min x 30 min, \$11)	\$160.00
---	-----------------



Original bearing cost	\$1312.00	per bearing over 2 years
versus EDT bearing cost	<u>\$ 402.00</u>	per bearing over 2 years
2-YEAR SAVINGS	\$ 910.00	x 12 bearings per machine = \$10,920.00 savings

*The above illustration is based on average plant conditions.
Individual results can vary based on breeding recipe, installation and maintenance practices, and environmental conditions.*



PEELER BEARINGS SCRUBBER BEARINGS

For peelers by VanMark, Hawkeye, Lyco



EDT peeler bearings are designed to perform for a full season with no maintenance

- Plane bearings of high performance polymer and stainless steel eliminate corrosion and product contamination
- Greaseless operation
- Unaffected by water, starch, or peels
- Designed for discharge end of chamber
- Processing fluid on the output/wet end keeps the polymer bearing material cool
- Replace polymer bearing when brushes are changed; other parts re-usable

Maximum recommended
RPM is 350.
(Bearing must run wet)

	Original Bearing	EDT Peeler Bearing
Bearing	1-3/16" steel cartridge unit	EDT SGH is a 4-piece bearing assembly of hardened stainless shaft sleeve, QF flanged polymer bearing, stainless cartridge, and anti-rotation pin
Length of Service	1-4 months	8 to 18 months
Failure	<ul style="list-style-type: none"> ▪ Potato starch rusts roller bearings ▪ Water washdown flushes grease out of bearing 	<ul style="list-style-type: none"> ▪ 'QF' material withstands water, starch, abrasives ▪ General and predictable wear ▪ Reduced chance of catastrophic failures ▪ Bore elongates over time ▪ Install only on WET END – bearings must run wet
Maintenance Required	Frequent greasing and replacement due to water, starch, and potato peels	<ul style="list-style-type: none"> ▪ No grease or other maintenance with proper installation ▪ Change polymer bearing when brushes are changed ▪ Re-use cartridge ▪ Change sleeve when worn, or seasonally
Features & Benefits	Original equipment component	<ul style="list-style-type: none"> ▪ Zero maintenance ▪ No grease ▪ Less downtime ▪ Further reduce maintenance costs by re-using some components - see Cost of Ownership illustration (over)



COMPARE THE COSTS OF OWNERSHIP OF
POTATO PEELER BEARINGS
 ON VANMARK PEELER / SCRUBBER / WASHER

Cost of original peeler bearing
 over 1 year of 2 seasons

Based on bearing
 lasting 3 months



Year 1: Cost to purchase original bearing

Original bearing: 1-3/16 bore cartridge **\$190.00**

Cost to install original bearing

Labor (1 hour at \$35/hr) **+ \$35.00**
 \$225.00
 4 change-outs per year **x 4**
\$900.00

Cost to lubricate original bearing

55/oz x 1 oz per day (i.e. Lubriplate LFG) **\$0.55**
 Labor: 1 min @ \$35/hr **+ \$0.58**
 Cost per day: **+ \$1.13**
 x 260 (daily, 5 days/week x 52 weeks) **x 260**
\$587.60

Total bearing cost in 1 year (2 seasons) **\$1,487.60**

Cost of EDT peeler bearing
 over 1 year of 2 seasons

Based on:

- Sleeve lasting 2+ years
- Bearing lasting 6 months
- Cartridge lasting 2 years



Year 1: Cost to purchase EDT SGH

ZAH248H Sleeve **\$280.00**
 QF247F Bearing insert **+ \$194.00**
 ZA237.3A Cartridge with polymer pin **+ \$99.00**
\$573.00

Cost to install original bearing

Labor (1 hour at \$35/hr) **+ \$35.00**
\$608.00

Replace bearing QF247F with roller change **\$194.00**
 Labor (1 hour at \$35/hr) **\$35.00**
\$229.00

Cost to lubricate EDT bearing

GREASE-LESS - No lubricant needed **\$0.00**

Total bearing cost over Season 1 **\$837.00**

Year 1 Costs Original bearing \$1,487.60
 EDT peeler bearing - \$837.00

\$650.60 savings x 8 bearings per peeler = \$5,204.80 savings per peeler

Total first Year savings with EDT bearings!

Year 2: Bearing Cost

Total bearing cost: same as Year 1 **\$1,487.60**

Year 2: EDT SGH Bearing Cost

Replace QF bearing: \$194 + labor (\$35) = **\$229.00**
 Every 6 months **x 2**
 Total bearing cost in Year 2 **\$458.00**

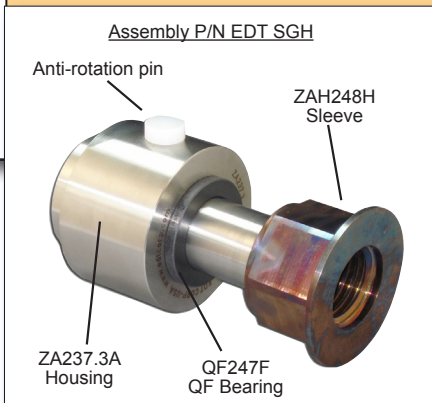
Year 2 Costs Original bearing \$1,487.60
 EDT peeler bearing - \$458.00

\$1,029.60 savings x 8 bearings per peeler = \$8,236.80 savings per peeler

Total second Year savings with EDT bearings!

Plus significantly reduced maintenance scheduling and downtime!

The above illustration is based on average plant conditions. Individual results can vary based on installation and maintenance practices, and environmental conditions.



The Process Floor Bearing Solution Experts

For a Cost Of Ownership analysis of your application, contact an EDT sales representative today

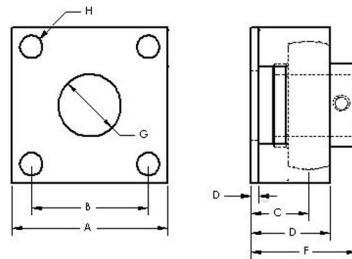


QuiKlean® Breader Bearing offers lowest maintenance in a high-problem area

EDT's assembly of a stainless QuiKlean® housing with solid lubricated stainless ball bearing directly retrofits onto Stein models:




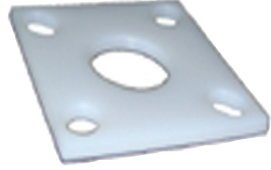
XL-34, XL-40, XL-48 and Flour Max

- Housing with integral standoff permits maximum washdown
- Plastic backing plate is a food-grade exclusionary seal
- Stainless ball bearing is corrosion resistant; solid lubricant eliminates grease and the need to re-grease



A = 2-1/2" / 63.5 mm
 B = 1-7/8" / 47.6 mm
 C = 59/64" / 23.5 mm
 D = 1-9/32" / 32.4 mm
 F = 1-45/64" / 43.3 mm
 G = 1" shaft size
 H = 5/16" bolt

Product part numbers

Assembly	QuiKlean® Housing	Bearing	Backing Plate
			
ZJZA100-QK8-1	ZA100-QK	4Y205-16FX	PA100-1
	Reuse	Use and Replace	Use and Replace



COMPARE THE COSTS OF OWNERSHIP OF QUIKLEAN® BREADER BEARINGS

EDT breeder bearings save money, time, and labor!

Cost of OEM bearing over 1 year

Based on ss housing
lasting 12 months and
components lasting 1 month



Cost to purchase OEM bearing

Component parts	\$ 75.00
Stacked housing	+ 40.00
	<u>\$ 115.00</u>

Cost to install OEM bearing

Labor (1 hour at \$30/hr)	\$ 30.00
---------------------------	----------

Cost to lubricate OEM bearing

55¢/oz x 1 oz per day (i.e. Lubriplate® LFG)	\$ 0.55
Labor (50¢ per min) x 1 min	+ 0.50
x 260 (daily, 5 days/week x 52 weeks)	<u>x 260</u>
	<u>\$ 273.00</u>

Cost to change out OEM components

(Reuse stacked housing for 1 year)

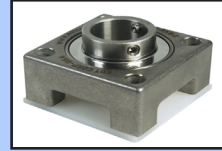
Change out component parts	\$ 75.00
Labor (1 hour at \$30/hr)	\$ 30.00
x 11 (replace once a month)	<u>x 11</u>
	<u>\$ 1155.00</u>

Year 1

Cost of housing and bearing components	\$1573.00
--	------------------

Cost of EDT breeder bearing over 1 year

Based on ss housing
lasting 24 months and
insert lasting 6 months



Cost to purchase ZJZA100-QK8-1

4Y205-16FX Solid lube ball bearing	\$176.00
ZA100-QK Housing	189.00
PA100-1 Backing plate/seal	+ 24.00
	<u>\$389.00</u>

Cost to install EDT bearing

Labor (1 hour at \$30/hr)	\$ 30.00
---------------------------	----------

Cost to lubricate EDT bearing

No lubricant needed	0
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Cost to change out EDT components

(Reuse housing for 2 years)

Replace insert only, every 6 months	
4Y205-16FX	\$176.00
Labor (1 hour at \$30/hr)	+ 30.00
	<u>\$206.00</u>

Year 1

Cost of each bearing assembly	\$625.00
-------------------------------	-----------------

Original bearing cost	\$1,573.00	per bearing over 1 year
versus EDT bearing cost	<u>\$ 625.00</u>	per bearing over 1 year
FIRST-YEAR SAVINGS	\$ 948.00	x 10 bearings per machine = \$9,480.00 savings

Year 2

Same costs as year 1: Bearing components (\$75x12), housing (\$40), labor (\$30x12), lubrication (\$273) **\$1573.00**

Year 2

Cost of insert (p/n 4Y205-16FX, \$176x2), labor (\$30x2)
Note: Re-use housing & replace seal (\$24) **\$436.00**

OEM bearing cost	\$ 3,146.00	per bearing over 2 years	(\$1,498 + \$1,498 = \$2,996)
versus EDT bearing cost	<u>\$ 1,061.00</u>	per bearing over 2 years	(\$625 + \$436 = \$1061)
2-YEAR SAVINGS	\$ 2,085.00	x 10 bearings per machine = \$20,850.00 savings	

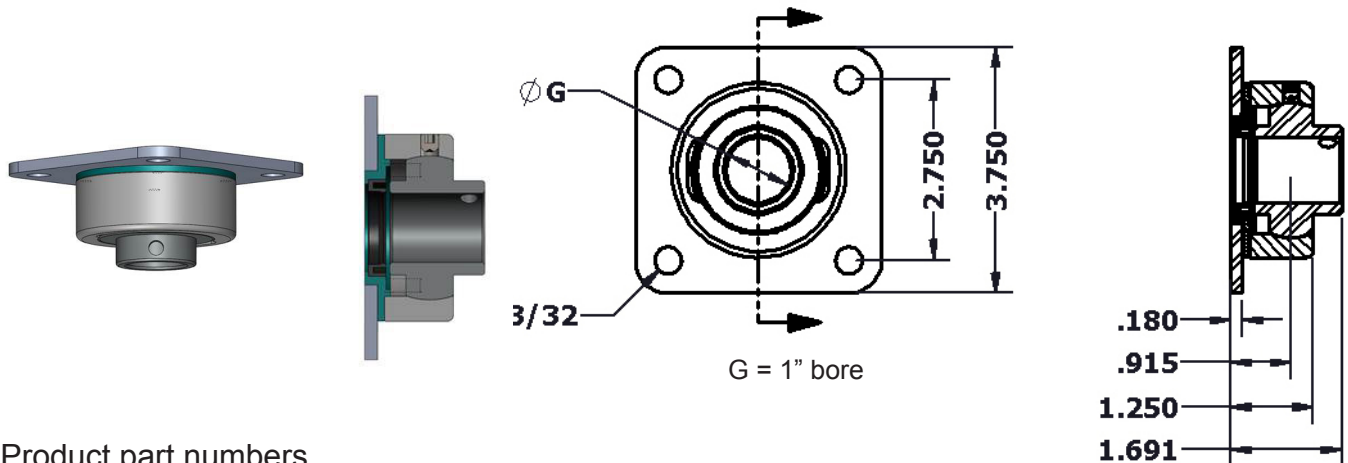
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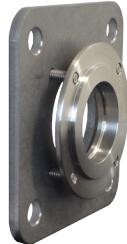



Breader Auger Bearing

**Lowest maintenance in a high-problem area
Lasts longer with extra seal and solid lubricant**

- Stainless steel housing and ball bearings for corrosion resistance
- HACCP-friendly due to smooth surfaces and “grease-less” properties
- Solid lubricated ball bearing is less affected by abrasion
- Exclusionary seals to deflect breading and extend bearing life



Product part numbers

Assembly	Stainless 4-Bolt Plate	Exclusionary Seal	Stainless Ring	Bearing
				
Z1ZA400-0N8-1	4KC + EDTGlove®R	EDT-Glove®C	EDTGlove®H	4Y205-16FX
Exploded View	Part of assembly purchase	Use and Replace	Part of assembly purchase	Use and Replace



**COMPARE THE COSTS OF OWNERSHIP OF
EDT BREADER AUGER GLOVE®
TO STANDARD BEARINGS OPERATING IN SOLID CONTAMINANTS
ON XL VERTICAL AUGER**

EDT breader bearings save money, time, and labor!

**Cost of original bearing
over 2 years**

Regreasable stainless ball bearing in plastic housing lasts one (1) month



Year 1 Cost

Cost to purchase bearing
SF-16 \$ 147.00

Cost to install original bearing
Labor (1 hour at \$35/hr x 1/2 hour) \$ 17.50

Cost to lubricate bearing
30¢/oz x 1 oz (Lubriplate® LFG) \$ 0.30
Labor (.58 per min) x 2 min per day + 1.16
x 52 weekly PM x 52
\$ 75.92

4-bolt unit is changed each month
at \$35/hour labor x 1/2 hour \$ 17.50
Cost of new 4-bolt assembly \$ 147.00
x 12 months less 1st month listed above x 11
\$ 1,809.50

Total Year 1 Cost \$2,049.92

**Cost of EDT Breader Auger Glove®
over 2 years**

Glove®2 stainless housing with lip seal and stainless, solid lubricated ball bearing lasting six (6) months



Year 1 Cost

Cost to purchase **ZJZA400-0N8-1** \$362.00

Cost to install EDT bearing
Labor (1 hour at \$35/hr x 1/2 hour) \$ 17.50

Cost to lubricate EDT bearing
No lubricant needed \$ 0.00

ball bearing is changed out at 6 months
(other components can be re-used)
at \$35/hour labor x 1/2 hour \$ 17.50
Cost of new insert **4Y205-16FX** \$176.00
x 1 (Replace insert at 6 months) x 1
\$ 193.50

Total Year 1 Cost \$573.00

Original bearing cost \$2,049.92 per bearing over 1 year
versus EDT bearing cost \$ 573.00 per bearing over 1 year

FIRST-YEAR SAVINGS \$1,476.92 x 10 bearings per machine = \$14,769.20 savings

Year 2 Cost

Change 4-bolt each month, lube each week
(continue same costs as Year 1)
\$35/hour labor x 1/2 hour x 12 changes \$ 210.00
Cost of SF-16: \$147.00 each x 12 changes \$ 1,768.00

Lubrication (same as Year 1) \$ 75.92
Total Year 2 Cost \$2,049.92

Year 2 Cost

Replace seal after 12 months
\$35/hour labor x 1/2 hour x 2 changes \$ 35.00
Cost of insert 4Y205-16FX x 2 changes \$ 352.00
Cost of seal, **EDT-Glove®C** x 1 change \$ 10.00
Lubrication - **NEVER ANY GREASE!** \$ 0.00
Total Year 2 Cost \$ 397.00

Original bearing cost \$ 4,099.84 per bearing over 2 years
versus EDT bearing cost \$ 970.00 per bearing over 2 years

2-YEAR SAVINGS \$ 3,129.84 x 10 bearings per machine = \$31,298.40 savings

The above illustration is based on average plant conditions.

Individual results can vary based on breeding recipe, installation and maintenance practices, and environmental conditions.



Do you dread maintaining breaders?

Now: EDT has two Solution[®] bearings specifically for breaders

Now: EDT Corp has two breader bearing products. Both feature:

- Stainless steel housing and ball bearings for corrosion resistance
- HACCP friendly due to smooth surfaces and “grease-less” properties
- Solid lubricated ball bearing is less affected by abrasion
- Exclusionary seals to deflect breadding and extend bearing life

Solution[®] 1:

Breader Auger Bearing

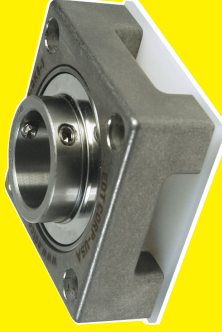


ZJZA400-0N8-1

EDT 4-bolt auger bearing retrofits into the same space as the factory-original 4-bolt (2-3/4" bolt centers x 1.7" length thru bore)

Solution[®] 2:

Breader Bearing



ZJZA100-QK8-1

EDT Breader Bearings, with QuikClean[®] integral standoff, provides 1/2" clearance to allow flushing out breadding

- Reduce the frequency of replacing bearings

- Reduce your maintenance time and expenses

See other side for Cost Of Ownership and the SAVINGS you can capture

EDT designs bearing products for severe service environments: any location where maintaining greased bearings is problematic. To discuss your problem applications, contact your local sales representative or the factory for assistance.



COMPARING THE COSTS OF OWNERSHIP OF
EDT Breader Auger Glove®

TO STANDARD BEARINGS OPERATING IN SOLID CONTAMINANTS
ON XL BREADER VERTICAL AUGER

Cost of original bearing
over 2 years



Unprotected:
Regrasable stainless
ball bearing is lasting one
(1) month

• **Year 1 cost**
Cost to purchase bearing
F4BSCEZ100PSS **\$137.37**

• Cost to install original bearing
\$35/hour labor x 1/2 hour **\$17.50**

• Cost of lubricant: Lubriplate FLG
30#/ounce x 1ounce
Labor: (.50 x 2 min) per day
x 52 Weekly PM **\$75.92**

• 4-bolt unit is changed each month
at \$35/hour labor x 1/2 hour
\$17.50
Cost of new 4-bolt assembly
x 12 months less 1st month listed above
\$1,703.57

Total Year 1 cost \$1,934.36

• **Year 2 Cost**
Change 4-bolt each month, lube each week
(continue same costs as Year 1)
\$35/hour labor x 1/2 hour x 12 Changes
Cost of F4MBSCEZ11PSS at
\$137.37 each x 12 changes
Lubrication (same as Year 1)
\$75.92
Total Year 2 cost \$1,934.36

Total costs over two years (Yr 1+Yr 2) \$3,868.72

Original bearing cost..... \$3,868.72
versus EDT bearing cost..... \$855.00
2-YEAR SAVINGS PER BEARING..... \$3,013.72

Plus significantly reduced maintenance scheduling and less downtime!

The above illustration is based on average plant conditions
Individual results can vary based on installation and maintenance practices, and environmental conditions



Cost of EDT Breader Auger Glove®
over 2 years

Protected with Glove®2 seal
assembly, stainless and solid
lubricated ball bearing is
lasting six (6) months

• **Year 1 cost**
Cost to purchase bearing
ZJZA400-0N-1 **\$320.00**

• Cost to install bearing at
\$35/hour labor x 1/2 hour **\$17.50**

• Cost of lubricant **\$0.00**

• Ball bearing is changed out at 6 months-
(other components can be reused)
Change insert at \$35/hour labor x 1/2 hour
\$17.50
Cost of new insert 205-16-J
x 1 (Replace insert at 6 months)
\$172.50

Total Year 1 cost \$510.00

• **Year 2 cost**
Replace seal after 12 months
at \$35/hour labor x 1/2 hour 2 changes
\$35.00
Cost of insert 205-16-J x 2 changes
\$310.00
Cost of seal, EDT-Glove®C x 1 change
Lubrication **NEVER any GREASE!**
\$0.00
Total Year 2 cost \$345.00

Total costs over two years (Yr 1+Yr 2) \$855.00

per bearing over 2 years
per bearing over 2 years
2 bearings per machine =
x 4 Mixers per facility (example)
\$6,027.44
\$24,109.76

Plus significantly reduced maintenance scheduling and less downtime!

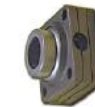
The above illustration is based on average plant conditions
Individual results can vary based on installation and maintenance practices, and environmental conditions



COMPARING THE COSTS OF OWNERSHIP OF
Quiklean® Breader Bearings

TO STANDARD BEARINGS OPERATING IN SOLID CONTAMINANTS

Cost of original stacked bearing
over 2 years



Based on ss housing
lasting 12 months
and components
lasting 6 Weeks

• Cost to purchase bearing
Component parts
+ stacked housing
x 1 time **\$101.00**

• Cost to install original bearing
\$30/hour labor x 1 hour
x 1 time per year = **\$30.00**

• Cost of lubricant: Lubriplate FLG
50#/ounce x 0.5 ounce/day
Labor (.50 per min) x 1 min
x 52 weeks per year
\$260.00

• Cost to change out components
(reuse stacked housing for 1 year)
\$30/hour labor x 1 hour
+ change out component parts
x 11 (Replace bearing Monthly)
\$66.00
x 11 \$1,056.00

Year 1: Cost of each bearing Year 1: \$1,447.00

Year 2: Repeat complete unit repeat maintenance cycle as above Year 2: \$1,447.00

Total 2-year cost of original bearing: \$2,894.00



Cost of EDT Breader Bearing
over 2 years

Based on ss housing
lasting 24 months
and insert lasting 8 months
(housing MAY last longer)

• Cost to purchase bearing
ZJZA100-QK - Solid Lube Housing
205-16-H - Solid Lube Ball Bearing
PA100-1 - Backing plate/seal
\$166.00
\$155.00
\$21.00
\$342.00

• Cost to install bearing at
\$30/hour labor x 1 hour
\$30.00

• Cost to lubricate EDT Bearing
No lubricant needed
\$0.00

• Cost to change out components
(reuse QK housing for 2 years)
every 6 months
at \$30/hour labor x 1 hour
+ insert 205-16-J
\$30.00
\$155.00
\$185.00

Year 1: Cost of each bearing Year 1: \$557.00

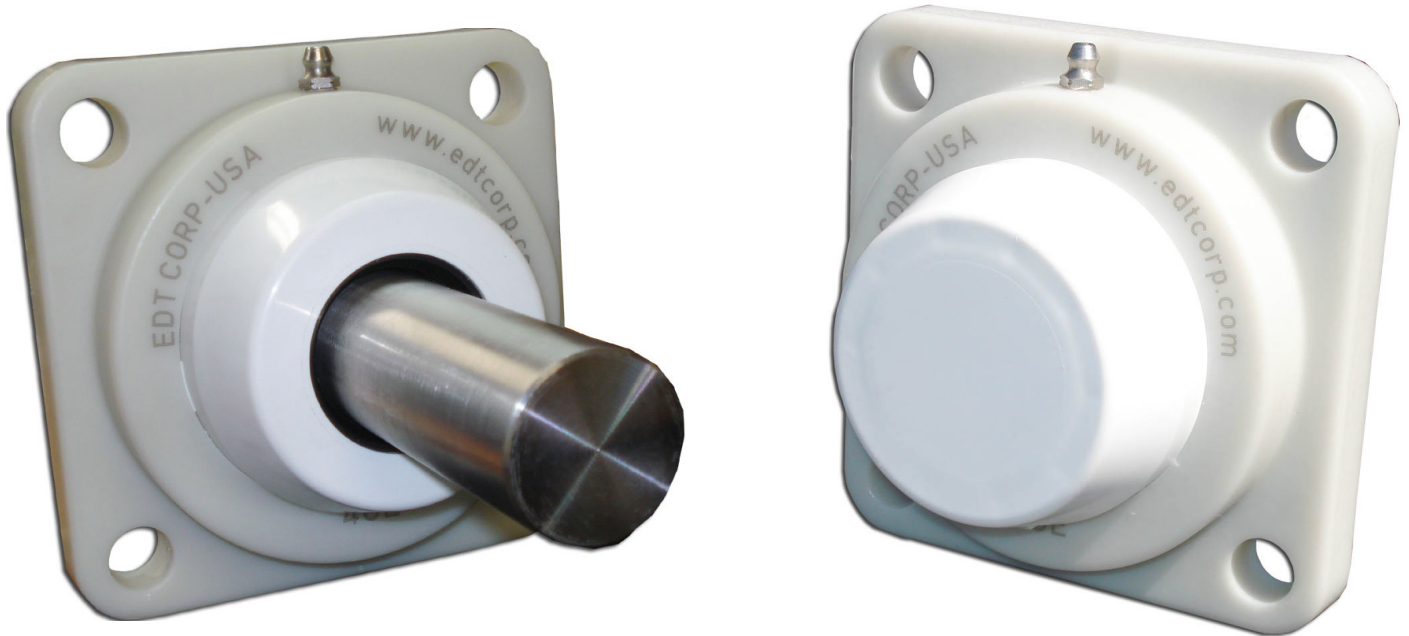
Year 2: Replace seal after 12 months Year 2: \$430.00

Total 2-yr cost of EDT Breader Bearing \$927.00

Original bearing cost..... \$2,894.00 per bearing over 2 years
versus EDT bearing cost..... \$927.00 per bearing over 2 years
2-YEAR SAVINGS..... \$1,967.00 10 bearings per machine =
\$19,670.00

Plus significantly reduced maintenance scheduling and downtime!

The above illustration is based on average plant conditions
Individual results can vary based on installation and maintenance practices, and environmental conditions



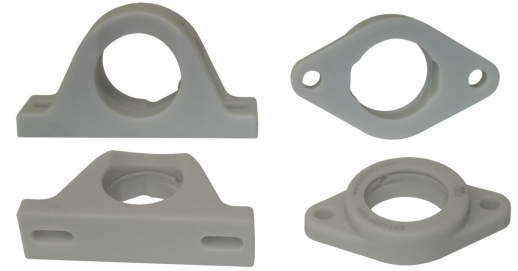
Cast polymer bearing housings with blind- or thru-bore safety caps




- Smooth lines minimize places that are difficult to clean
- No additional hardware necessary
- Available in all bearing styles
- Available for insert sizes 47mm (204 ring) to 90 mm (210 ring) sizes
- Housings accept EDT and other industry-standard bearing inserts

EDT SOLUTION® POLYMER HOUSINGS & CAPS

FEATURES AND BENEFITS:

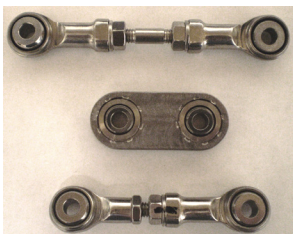
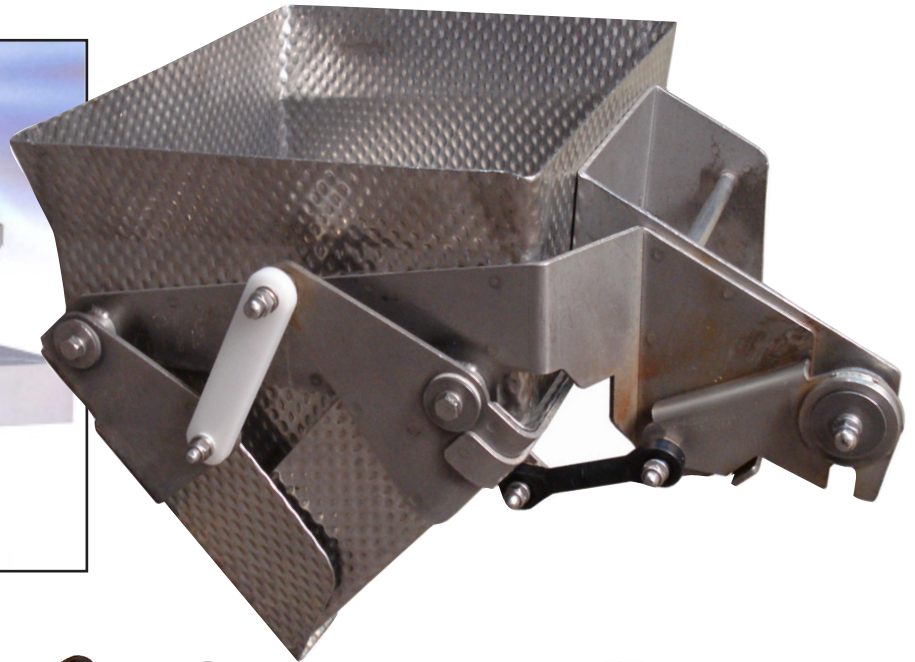
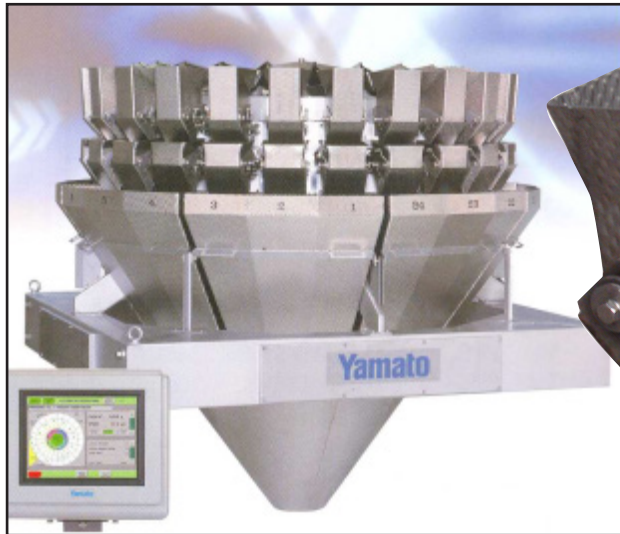
- Housings are sanitary, easy to clean, won't chip or peel.
- Housing mounting surfaces smooth and flat.
- Gray color complements stainless equipment.
- Housing available in all styles and sizes; blind caps and thru caps available for most popular sizes.
- Housing can be reusable many times. New caps can be purchased separately.
- Cap fits over most kinds of insert bearings, including:



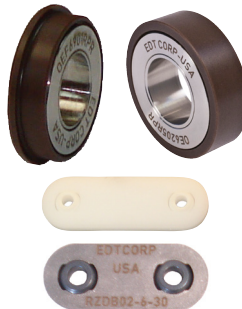
Ball Bearing	3-Piece ALL-ROUND® Bearing	Poly-Round® Bearing
		
EDT stainless, or any brand; regreaseable or solid lubricated	No grease in EDT plane bearings results in cleanest bearing operation over time.	

PART NUMBERING OF EDT SOLUTION® HOUSING INCLUDING A SAFETY CAP						
Bearing Identifier	Housing Shape	Housing Style (material)	EDT Group size correlates to insert OD	Shape modifier & cap identifier	Assembly modifier	– Shaft size
ZY NA QB QF ZJ ZW etc...	1 or 10 = PB 2 = 2-Bolt 3 = 3-Bolt flange 4 = 4-Bolt flange 6 = Small 2-bolt 8 = Hangar 9 = Tapped base	G = Polymer	B = 204 ring/47 mm C = 205 ring/52 mm D = 206 ring/62 mm E = 207 ring/72 mm F = 208 ring/80 mm H = 210 ring/90 mm	- CB = Cap blind - TB = Cap thru	8 – ball bearing assembly 9 or 7 or 4 – Poly-Round® with sleeve assembly 5 or 3 – Poly-Round® without sleeve assembly	– Inch or metric
Example: ZY4GC-CB8-1 or NA4GE-CB7-1-1/4 (shown in cover photo, right side) ZY4GC-TB8-25 or NA4GE-TB7-1-3/8 (shown in cover photo, left side)						

For polymer housings See section B (Amber)
 For All-Round® Bearings See section D (Red)
 For Poly-Round® Bearings See section B (Amber)
 For stainless ball bearings See section F (Light Gray)



**Original
Components**



**Non-Corrosive
Components**



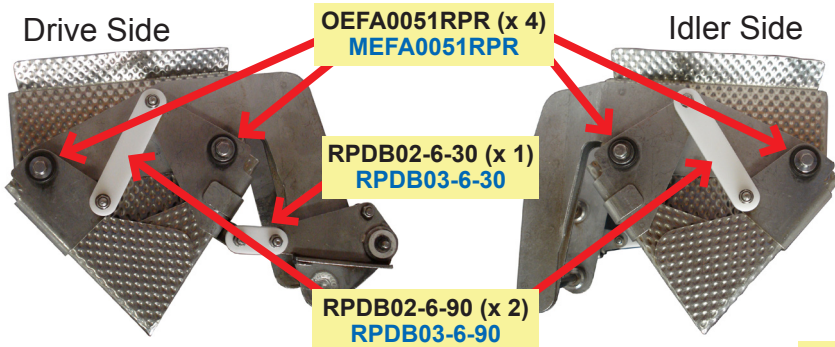
**Non-Corrosive &
Metal Detectable
Components**

Weigh scale bearings by EDT are made of stainless steel and polymer to operate reliably over time

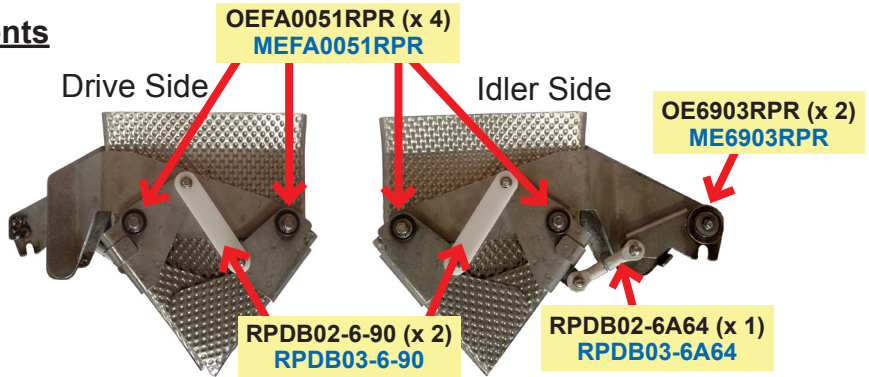
- Eliminate the rusting of standard components
- No grease; USDA accepted
- Unaffected by washdown
- Save time: Bucket maintenance significantly reduced
- Made in U.S.A.



Yamato Model ADW-714SWH



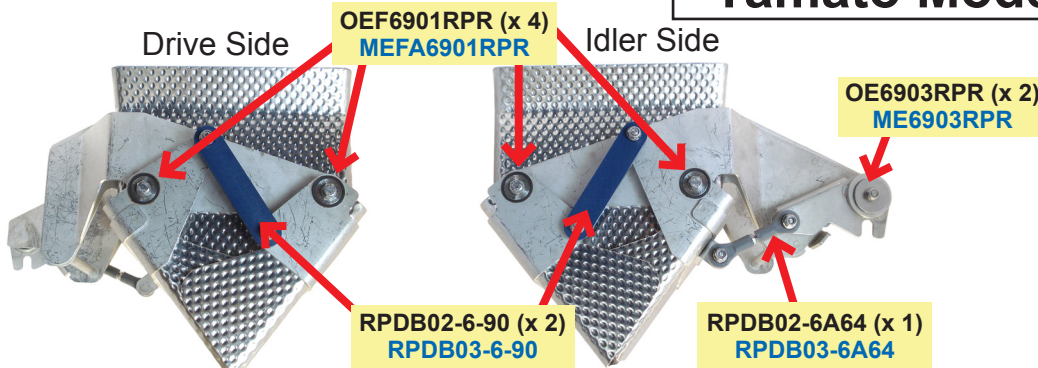
Total Retrofit Weigh Bucket Components on Yamato ADW-714SWH



Total Retrofit Feed Bucket Components on Yamato ADW-714SWH

Part Number Key
 Black = White Poly
 Blue = Metal Detectable

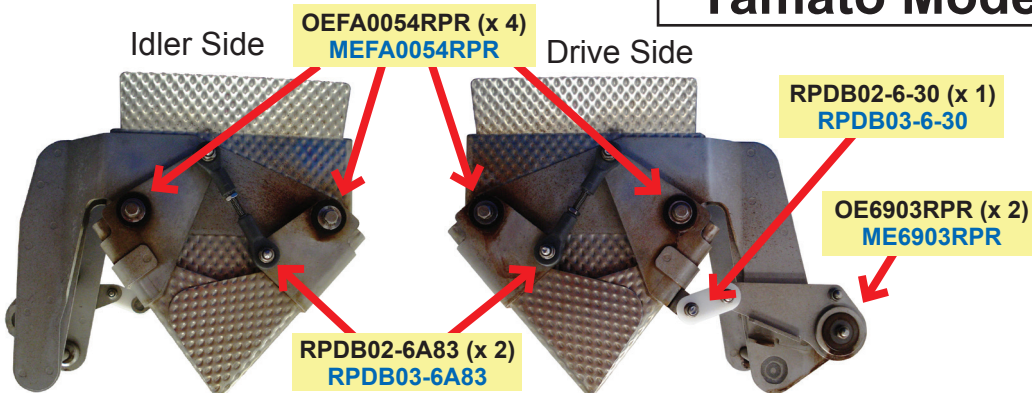
Yamato Model ADW-720SW



Total Retrofit Feed Bucket Components on Yamato ADW-720SW

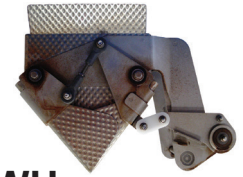
Part Number Key
 Black = White Poly
 Blue = Metal Detectable

Yamato Model ADW-714SW



Total Retrofit Weigh Bucket Components on Yamato ADW-714SW

Part Number Key
 Black = White Poly
 Blue = Metal Detectable



COMPARING THE COST OF OWNERSHIP EDT BEARINGS ON YAMATO SCALE ADW-714SWH VERSUS STANDARD REPLACEMENT PARTS

Costs with Yamato Original Equipment Parts

Based On

Bushings lasting 2 months
Ball bearings lasting 6 months
Linkage lasting 1 year

Scale Components & Labor Costs in 1 Year

<ul style="list-style-type: none"> ▪ Cost to Purchase Bushing 	
SA44117A0051	\$15.00
4 bushings per feed bucket + 4 bushings per weigh bucket = 8 bearings / head x 14 heads	x 112
	\$1,680.00
 Replace bushing 6 times per year	x 6
	\$10,080.00
<ul style="list-style-type: none"> ▪ Cost to Purchase Bearings 	
SA44117A0013 (6903)	\$36.00
2 bearings per feed bucket x 14 buckets/scale	x 28
	\$1,008.00
 Replace bearings 2 times per year	x 2
	\$2,016.00
<ul style="list-style-type: none"> ▪ Cost to Purchase Linkages 	
GB02302A0496	\$148.00
2 linkages per feed bucket + 2 linkages per weigh bucket = 4 linkages / head x 14 heads	x 56
	\$8,288.00
 Replace linkage 1 time per year	x 1
	\$8,288.00
One year component costs \$20,384.00	
<ul style="list-style-type: none"> ▪ Cost to Rebuild Buckets with OEM Components 	
Labor: \$35/hour x 45 minutes per bucket	\$26.25
28 buckets per scale	x 28
	\$735.00
Labor cost to rebuild 1 scale 1 time	\$735.00
Yamato components require 6 rebuilds/year	x 6
	\$4,410.00
One year component costs \$4,410.00	
Total annual cost OEM parts + labor \$24,794.00	

Costs with EDT Scale Components

Based On

Interchanging bushing + ball bearings to
EDT Radial Poly-Round® units
plus using EDT polymer/stainless linkage
All components lasting 1 year

Scale Components & Labor Costs in 1 Year

<ul style="list-style-type: none"> ▪ Cost to Purchase Radial Poly-Round® 	
OEFA0051RPR	\$84.00
4 bearings per feed bucket + 4 bearings per weigh bucket = 8 bearings / head x 14 heads	x 112
	\$9,408.00
 Replace RPR every 12 months	x 1
	\$9,408.00
<ul style="list-style-type: none"> ▪ Cost to Purchase Radial Poly-Round® 	
OE6903RPR	\$71.00
2 bearings per feed bucket x 14 buckets/scale	x 28
	\$1,988.00
 Replace RPR every 12 months	x 1
	\$1,988.00
<ul style="list-style-type: none"> ▪ Cost to Purchase Linkages 	
RPDB03-6-90	\$127.00
2 linkages per feed bucket + 2 linkages per weigh bucket = 4 linkages / head x 14 heads	x 56
	\$7,112.00
 Replace linkage 1 time per year	x 1
	\$7,112.00
One year component costs \$18,508.00	
<ul style="list-style-type: none"> ▪ Cost to Rebuild Buckets with EDT Components 	
Labor: \$35/hour x 45 minutes per bucket	\$26.25
28 buckets per scale	x 28
	\$735.00
Labor cost to rebuild 1 scale 1 time	\$735.00
EDT components require 1 rebuild/year	x 1
	\$735.00
One year component costs \$735.00	
Total annual cost OEM parts + labor \$19,243.00	

Original Equipment total one-year costs \$24,794.00
 versus EDT component total one-year costs **\$19,243.00**
1 year savings with EDT - per scale \$5,551.00

Per each Yamato ADW-714SWH
 X (example) 4 scales in a facility
= \$22,204.00

Additional EDT parts can be interchanged to realize further savings.

The above illustration is based on average plant conditions
 Individual results can vary based on installation and maintenance practices, and environmental conditions.

2013 prices

Yamato Scale Components

EDT polymer and stainless plane bearing links, rod ends and radial bearings directly replace original equipment weigh scale components with NO grease and NO rust. The advantage is reliable operation without contamination, and reduced maintenance cycles.

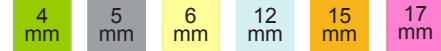
Linkages



Part No. Key (RPDB02-6-28)

- RP Rod end polymer
- D Link material white
- 3 Link material metal detectable
- B Assembly
- 02 White plastic ball
- 03 Metal detectable ball
- 6 Bore size
- 28 Center-to-Center

ID Size Color Key



All White Assembly p/n (1 link + 2 balls)	Components (1 ea) Link only	Components (2 ea) Balls / unit	Center to Center Distance	Metal Detectable Assembly p/n (1 link + 2 balls)	Components (1 ea) Link only	Components (2 ea) Balls / unit
RPDB02-4-28	*RPD-4-28*	4MM BALL	28 mm	RPDB03-4-28	*RP3-4-28*	4ME BALL
RPDB02-4-34	RPD-4-34	4MM BALL	34 mm	RPDB03-4-34	RP3-4-34	4ME BALL
RPDB02-4-38	RPD-4-38	4MM BALL	38 mm	RPDB03-4-38	RP3-4-38	4ME BALL
RPDB02-4-50	RPD-4-50	4MM BALL	50 mm	RPDB03-4-50	RP3-4-50	4ME BALL
RPDB02-4-54	RPD-4-54	4MM BALL	54 mm	RPDB03-4-54	RP3-4-54	4ME BALL
RPDB02-4-63	RPD-4-63	4MM BALL	63 mm	RPDB03-4-63	RP3-4-63	4ME BALL
RPDB02-4-67	RPD-4-67	4MM BALL	67 mm	RPDB03-4-67	RP3-4-67	4ME BALL
RPDB02-6-28	RPD-6-28	6MM BALL	28 mm	RPDB03-6-28	RP3-6-28	6ME BALL
RPDB02-6-30	RPD-6-30	6MM BALL	30 mm	RPDB03-6-30	RP3-6-30	6ME BALL
RPDB02-6-35	RPD-6-35	6MM BALL	35 mm	RPDB03-6-35	RP3-6-35	6ME BALL
RPDB02-6-45	RPD-6-45	6MM BALL	45 mm	RPDB03-6-45	RP3-6-45	6ME BALL
RPDB02-6-65	RPD-6-65	6MM BALL	65 mm	RPDB03-6-65	RP3-6-65	6ME BALL
RPDB02-6-86	RPD-6-86	6MM BALL	86 mm	RPDB03-6-86	RP3-6-86	6ME BALL
RPDB02-6-90	RPD-6-90	6MM BALL	90 mm	RPDB03-6-90	RP3-6-90	6ME BALL
RPDB02-6-95	RPD-6-95	6MM BALL	95 mm	RPDB03-6-95	RP3-6-95	6ME BALL
RPDB02-6-99	RPD-6-99	6MM BALL	99 mm	RPDB03-6-99	RP3-6-99	6ME BALL

Rod Ends



Original component



02 = white plastic



03 = blue metal detectable

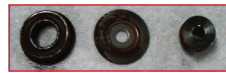
Part No. Key (RPDB02-6A64)

- R Rod end
- P Polymer
- F Female
- R Right hand threads
- 02 White plastic ends
- 03 Metal detectable ends
- 6 Bore size
- A white plastic
- 64 Minimum adjust size

	Standard	Replacement polymer ends	Metal Detectable	Replacement MD Polymer Ends
Adjusts 63-73 mm	RPDB02-6A64	RPFR6A-6	RPDB03-6A64	RPF36A-6
Adjusts 83-110 mm	RPDB02-6A83	RPFR8A-6	RPDB03-6A83	RPF38A-6

Radial Poly-Round®

Non-rusting ball bearing replacements can simplify mini-assemblies



OEFA0054RPR

Part NO. Key (OEF6901RPR)

- OE Material (Brown)
- ME Metal detectable
- F Flange
- 6901 Equivalent radial size
- RPR Radial Poly-Round®

Radial bearing p/n	ID-OD-LTB	Flange	Interchange notes
OEF696/4RPR	4 x 15 x 5	17	
OEF624/6RPR	5 x 13 x 6	15	
OEF628/6RPR	6 x 13 x 5	15	10-12-16 Retrofits GB02307A0676 on ADW-714SW Retrofits 628/6ZZ on ADW-414
OEF619/6RPR	6 x 15 x 5	17	11-12 Retrofits GB02307A0677 on ADW-714SW, ADW-414
OEFA0051RPR	6 x 21 x 9	24	16 Retrofits SA44117A0051 on ADW-714SWH
OEFA0054RPR	6 x 24 x 9	27	Retrofits SA44117A0051 on ADW-714SW
OE688RPR	8 x 16 x 5	--	
OE61800RPR (6800)	10 x 19 x 5	--	
OE16100RPR	10 x 28 x 8	--	
OEF6901RPR	12 x 24 x 6	26	On ADW-414
OE61802RPR (6802)	15 x 24 x 5	--	
OEF69A3RPR	15 x 30 x 7	32	Replaces F6903-2RS + spacer to 15 mm ID
OEF6903RPR	17 x 30 x 7	32	Replaces 6903-2RS + washer
OE6903RPR	17 x 30 x 7	--	Retrofits SA44117A0013 on ADW-714SW + SWH

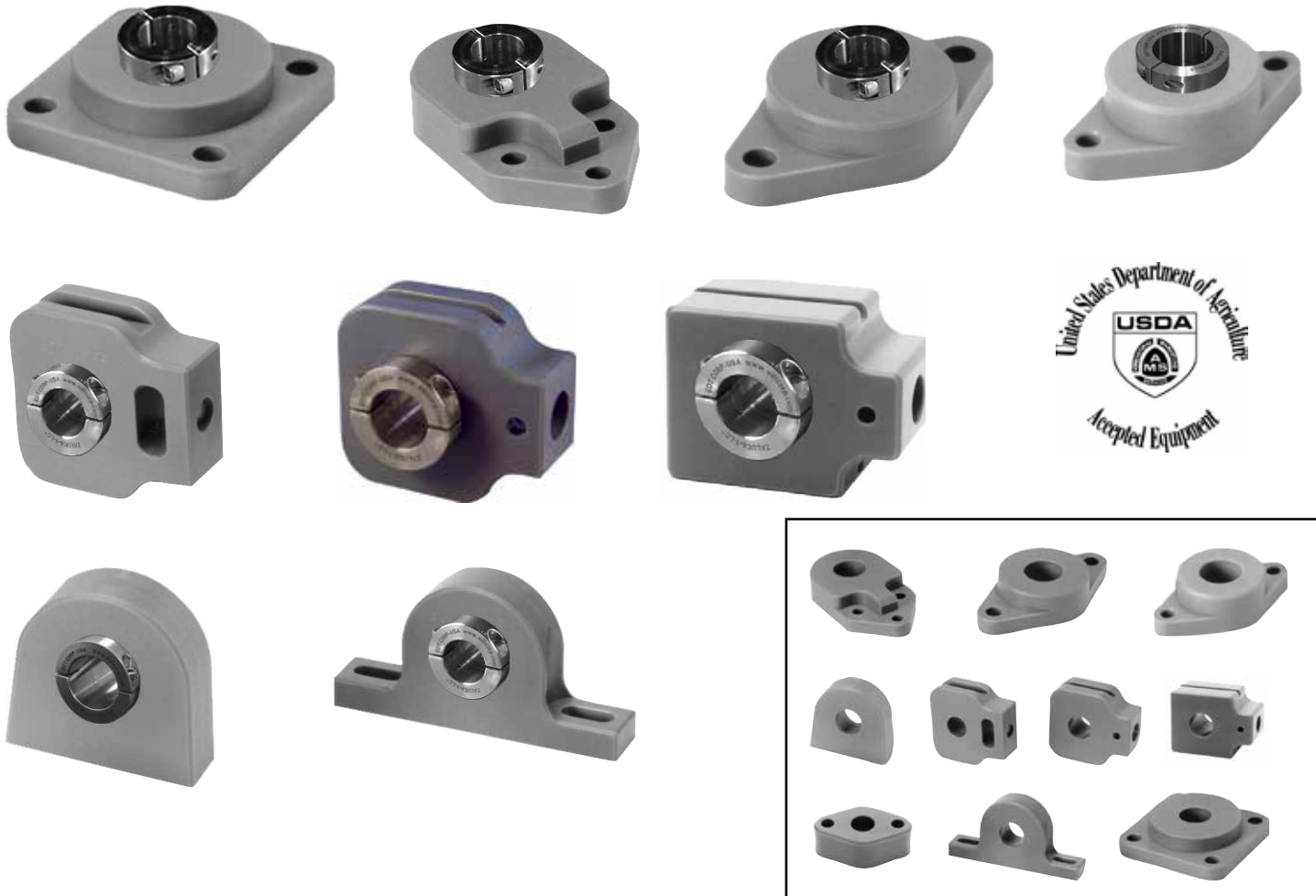
Let EDT Help!
Complete a
Bearing Design Checklist
for EDT selection assistance
edtcorp.com/docs/bearing-design-checklist.pdf
Bookmark it!



The Process Floor Bearing Solution Experts



POLYMER BLOCK BEARINGS



Non-lube bearings available in a range of materials to suit a variety of applications

- USDA/NSF accepted
- Dimensionally interchange with all industry-standard bearing units
- Available for inch and metric sizes
- Corrosion resistant
- Well-suited for high-impact areas
- Fewer crevices for maximum cleanability

EDT POLYMER BLOCK BEARINGS

FEATURES AND BENEFITS:

- Eliminate product contamination from ball bearing failure
- Available in inch and metric sizes
- Choice of materials for solving specific problems
- Interchangeable with industry standard cast housings and ball bearings
- USDA Meat and Poultry approved, USDA Dairy accepted (FDA has no equipment or component approval program)
- Cost effective and convenient
- Lubrication not required
- Corrosion resistant

Material Section Chart

	Poly-Round® Bearing Materials	PV Limit*	Maximum Speed V (SFM)	Maximum Loading P (PSI)	Continuous Operating Temp.	Performance in Moisture		Δ T Dimensional Stability with Temp Change	Chemical Resistance	Abrasion Resistance	Impact Resistance	USDA/FDA Contact Approval
						Washdown	Submerged					
Bearings	PA UHMW white	1,000	50	800	150°F	Excellent	Excellent	Poor	Excellent	Abrasion applications are very non-predictable. Each application must be tested for abrasion resistance.	Excellent	Direct
	NA gray	6,000	350	2,000	200°F	Excellent	Good	Fair	Good		Excellent	Incidental

* PV limits are shown for unlubricated radial bearing applications.
Low temperature / submerged installation may permit PV limits up to 2x higher.

Block bearings can accommodate only a slight degree of shaft misalignment. In locations where misalignment occurs, self-aligning bearing units should be used.

EDT offers self-aligning housings:

- For polymer housings, see Section D (Gray)
- For stainless housings, see Section E (Blue)

EDT offers solid polymer spherical bearing inserts:

- For Poly-Round® bearings, see Section H (White)

HOW TO CALCULATE PV

PV - $P \times V$

P - pressure in PSI (lbs/sq in)

V - velocity in SFM (surface ft/min)

P - F/A

where F = force (load) on bearing
 A = shaft dia (in) x LTB
(LTB = bearing length through the bore)

V - $.262 \times D \times \text{RPM}$

where D = shaft diameter (in)
RPM = shaft revolutions/min

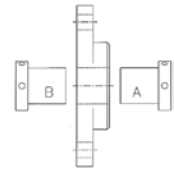
LOCKING SLEEVES

EDT 316 stainless steel locking sleeves protect shaft surfaces from abrasion and the normal wear caused by plane bearings. Locking sleeves provide:

- Improved journal surface to increase bearing life
- Control of lateral shaft movement (replaces standard locking collar)
- Protection to shaft
- Abrasion resistance
- Repair to damaged shafting



Locking sleeves can run on either side of the solid polymer block bearing, depending on the space available.



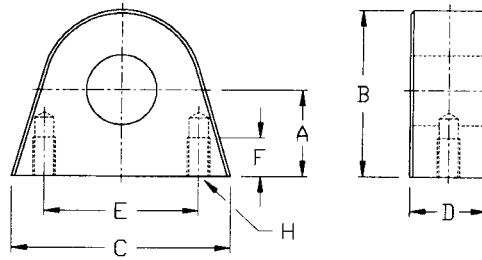
For locking sleeves details..... See page D-14 (Red)



EDT POLYMER TAPPED BASE PILLOW BLOCK BEARINGS

Series __9B__

*Alphabetical shaft diameter is sized for use with locking sleeve.
For information on locking sleeves See page D-14 (Red).



__ = Material Identifier (see selection chart on page H-2)

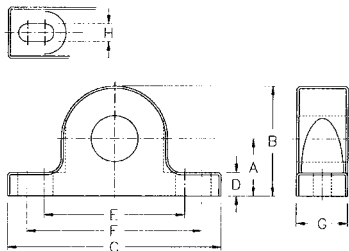
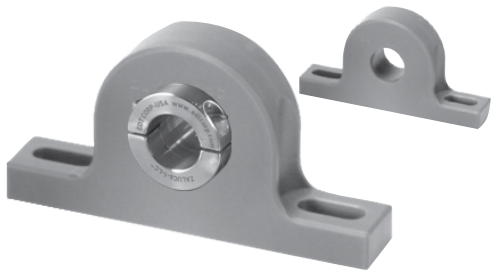
PART #	Group	Ring	x= Shaft Diameter		A	B	C	D	E	F	H	Wt
			mm	in								
__9BAO-x __9BA7-x-LC	A	203	*A	1/2 9/16 5/8 11/16	1-5/16 33.3	2-17/32 61.1	2-7/8 73.0	1 25.4	2 50.8	3/4 19.1	3/8-16	.2
__9BBO-x __9BB7-x-LC	B	204	*B	1/2 9/16 5/8 11/16 3/4 13/16	1-5/16 33.3	2-17/32 64.3	2-7/8 73.0	1 25.4	2 50.8	3/4 19.1	3/8-16	.2
__9BCO-x __9BC7-x-LC	C	205	*C	13/16 7/8 15/16 1	1-7/16 36.5	2-13/16 71.4	3 76.2	1 25.4	2 50.8	3/4 19.1	3/8-16	.2
__9BDO-x __9BD7-x-LC	D	206	*D	1 1-1/16 1-1/8 1-3/16 1-1/4	1-11/16 42.9	3-1/4 82.5	4-1/4 108.0	1-1/2 38.1	3 76.2	3/4 19.1	7/16-14	.4
__9BEO-x __9BE7-x-LC	E	207	*E	1-3/16 1-1/4 1-5/16 1-3/8 1-7/16	1-7/8 47.6	3-11/16 93.7	4-1/2 114.3	1-1/2 38.1	3-1/4 82.5	7/8 22.2	1/2-13	.6
__9BFO-x __9BF7-x-LC	F	208	*F	1-7/16 1-1/2 1-9/16 1-5/8	1-15/16 49.2	3-15/16 100.0	4-3/4 120.7	1-1/2 38.1	3-1/2 88.9	1 25.4	1/2-13	
__9BGO-x __9BG7-x-LC	G	209	*G	1-1/2 1-5/8 1-11/16 1-3/4	2-1/8 54.0	4-1/4 108.0	5-1/4 133.4	1-1/2 38.1	3-3/4 95.3	1-1/4 31.8	1/2-13	
__9BHO-x __9BH7-x-LC	H	210	*H	1-11/16 1-3/4 1-13/16 1-7/8 1-15/16 2	2-1/4 57.2	4-1/4 114.3	5-3/4 146.1	2 50.8	4 101.6	1-1/4 31.8	5/8-11	
__9BIO-x __9BI7-x-LC	I	211	*I	1-15/16 2 2-1/16 2-1/8 2-3/16 2-1/4	2-1/4 57.2	4-23/32 119.9	5-3/4 146.1	2 50.8	4 101.6	1-1/4 31.8	5/8-11	
__9BJO-x __9BJ7-x-LC	J	212	*J	2-3/16 2-1/4 2-5/16 2-3/8 2-7/16	2-3/4 69.9	5-3/8 136.5	6-1/2 165.1	2 50.8	4-1/4 108.0	1-1/2 38.1	5/8-11	
__9BKO-x __9BK7-x-LC	K	214	*K	2-7/16 2-1/2 2-5/8 2-11/16 2-3/4	3 76.2	6-1/16 154.0	7-1/2 190.5	2-1/2 63.5	5 127.0	1-1/2 38.1	3/4-10	
__9BLO-x __9BL7-x-LC	L	215	*L	2-11/16 2-3/4 2-13/16 2-7/8 2-15/16 3	3-1/2 88.9	6-3/4 171.5	8 203.2	2-1/2 63.5	5-1/4 133.4	1-3/4 44.5	7/8-9	

7-x-LC: An "LC" after the shaft size indicates DoubleLock® sleeve included.

EDT POLYMER PILLOW BLOCK BEARINGS - LOW BACKING HEIGHT



Series __10B__



*Alphabetical shaft diameter is sized for use with locking sleeve.
For information on locking sleeves See page D-14 (Red).

__ = Material Identifier (see selection chart on page H-2)

PART #	x= Shaft Diameter		A	B	C	D	E	F	G	H	Bolt Size	Wt
	Group	Ring										
__10BA0-x __10BA7-x-LC	*A	1/2 9/16 5/8 11/16										
A 203	17											
__10BBO-x __10BB7-x-LC	*B	1/2 9/16 5/8 11/16 3/4 13/16	1-1/4 31.8	2-1/2 63.5	5-1/4 133.4	7/16 11.1	3-1/4 82.6	4-3/8 111.1	1 25.4	13/32 10.3	3/8	.2
B 204	20											
__10BCO-x __10BC7-x-LC	*C	13/16 7/8 15/16 1	1-5/16 33.3	2-11/16 68.3	5-1/2 139.7	7/16 11.1	3-7/16 87.3	4-5/8 117.5	1 25.4	13/32 10.3	3/8	.2
C 205	25											
__10BDO-x __10BD7-x-LC	*D	1 1-1/16 1-1/8 1-3/16 1-1/4	1-9/16 39.7	3-3/16 81.0	6-1/4 158.7	1/2 12.7	4-1/8 104.8	5-1/8 130.2	1-1/2 38.1	17/32 13.5	1/2	.5
D 206	30											
__10BEO-x __10BE7-x-LC	*E	1-3/16 1-1/4 1-5/16 1-3/8 1-7/16	1-13/16 46.0	3-5/8 92.1	6-9/16 166.7	9/16 14.3	4-11/16 119.1	5-7/16 138.1	1-1/2 38.1	17/32 13.5	1/2	.7
E 207	35											
__10BFO-x __10BF7-x-LC	*F	1-7/16 1-1/2 1-9/16 1-5/8	1-15/16 49.2	3-15/16 100.0	7-1/4 184.2	9/16 14.3	5 127.0	6-1/8 155.6	1-1/2 38.1	17/32 13.5	1/2	.8
F 208	40											
__10BGO-x __10BG7-x-LC	*G	1-1/2 1-5/8 1-11/16 1-3/4	2-1/16 52.4	4-1/8 104.8	7-7/16 188.9	9/16 14.3	5-5/16 134.9	6-5/16 160.3	1-1/2 38.1	17/32 13.5	1/2	.8
G 209	45											
__10BHO-x __10BH7-x-LC	*H	1-11/16 1-3/4 1-13/16 1-7/8 1-15/16 2	2-3/16 55.6	4-7/16 112.7	8-1/8 206.4	11/16 17.5	5-7/8 149.2	6-3/4 171.5	2 50.8	21/32 16.7	5/8	1.2
H 210	50											
__10BIO-x __10BI7-x-LC	*I	1-15/16 2 2-1/16 2-1/8 2-3/16 2-1/4	2-7/16 61.9	4-15/16 125.4	8-7/8 225.4	11/16 17.5	6-3/8 161.9	7-1/2 190.5	2 50.8	21/32 16.7	5/8	1.7
I 211	55											
__10BJO-x __10BJ7-x-LC	*J	2-3/16 2-1/4 2-5/16 2-3/8 2-7/16	2-11/16 68.3	5-7/16 138.1	9-1/2 241.3	11/16 17.5	6-7/16 163.5	8-1/8 206.4	2 50.8	21/32 16.7	5/8	
J 212	60											
__10BKO-x __10BK7-x-LC	*K	2-7/16 2-1/2 2-5/8 2-11/16 2-3/4	3-1/8 79.4	6-5/32 156.4	10-3/4 273.1	15/16 23.8	7-7/16 188.9	9-1/8 231.8	2-1/2 63.5	25/32 19.8	3/4	
K 214	70											
__10BLO-x __10BL7-x-LC	*L	2-11/16 2-3/4 2-13/16 2-7/8 2-15/16 3	3-1/4 82.5	6-13/32 162.7	11-3/4 296.5	1-1/16 27.0	8-1/4 209.6	9-7/8 250.8	2-1/2 63.5	25/32 19.8	3/4	
L 215	75											

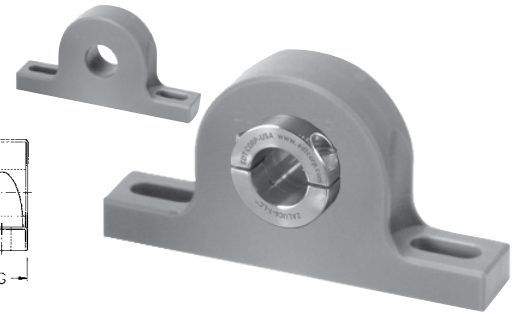
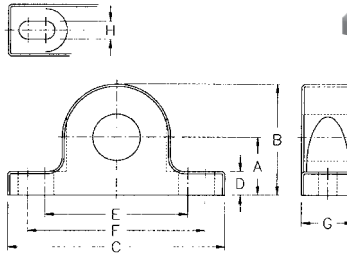
7-x-LC: An "LC" after the shaft size indicates DoubleLock® sleeve included.



EDT POLYMER PILLOW BLOCK BEARINGS - STANDARD BACKING HEIGHT

Series __1B__

*Alphabetical shaft diameter is sized for use with locking sleeve.
For information on locking sleeves See page D-14 (Red).



__ = Material Identifier (see selection chart on page H-2)

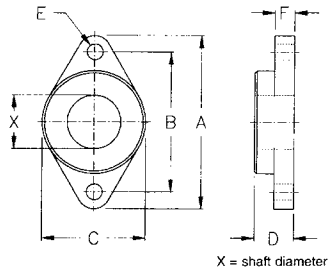
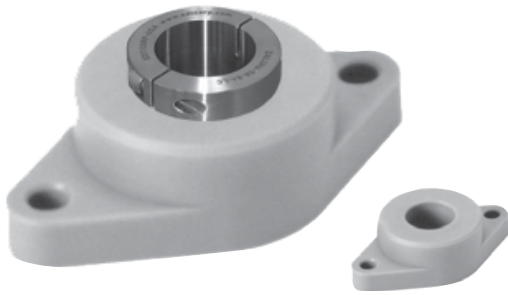
PART #	x= Shaft Diameter		A	B	C	D	E	F	G	H	Bolt Size	Wt
	Group	Ring										
__1BA0-x __1BA7-x-LC	*A	1/2 9/16 5/8 11/16	1-1/16 27.0	2-1/8 54.0	5 127.0	7/16 11.1	2-15/16 74.6	4-1/16 103.2	1 25.4	13/32 10.3	3/8	.19
A 203												
__1BBO-x __1BB7-x-LC	*B	1/2 9/16 5/8 11/16 3/4 13/16	1-5/16 33.3	2-9/16 65.1	5-1/4 133.4	1/2 12.7	3-1/4 82.6	4-3/8 111.1	1 25.4	13/32 10.3	3/8	.22
B 204												
__1BCO-x __1BC7-x-LC	*C	13/16 7/8 15/16 1	1-7/16 36.5	2-13/16 71.4	5-1/2 139.7	9/16 14.3	3-7/16 87.3	4-5/8 117.5	1 25.4	13/32 10.3	3/8	.25
C 205												
__1BDO-x __1BD7-x-LC	*D	1 1-1/16 1-1/8 1-3/16 1-1/4	1-11/16 42.9	3-1/4 82.5	6-1/4 158.7	11/16 17.5	4-1/8 104.8	5-1/8 130.2	1-1/2 38.1	17/32 13.5	1/2	.50
D 206												
__1BEO-x __1BE7-x-LC	*E	1-3/16 1-1/4 1-5/16 1-3/8 1-7/16	1-7/8 47.6	3-3/4 95.2	6-9/16 166.7	11/16 17.5	4-11/16 119.1	5-7/16 138.1	1-1/2 38.1	17/32 13.5	1/2	.66
E 207												
__1BFO-x __1BF7-x-LC	*F	1-7/16 1-1/2 1-9/16 1-5/8	2-1/8 54.0	4-3/16 106.4	7-1/4 184.2	3/4 19.1	5 127.0	6-1/8 155.6	1-1/2 38.1	17/32 13.5	1/2	.78
F 208												
__1BGO-x __1BG7-x-LC	*G	1-1/2 1-5/8 1-11/16 1-3/4	2-1/8 54.0	4-1/4 108.0	7-7/16 188.9	3/4 19.1	5-5/16 134.9	6-5/16 160.3	1-1/2 38.1	17/32 13.5	1/2	.84
G 209												
__1BHO-x __1BH7-x-LC	*H	1-11/16 1-3/4 1-13/16 1-7/8 1-15/16 2	2-1/4 57.2	4-1/2 114.3	8-1/8 206.4	3/4 19.1	5-7/8 149.2	6-3/4 171.5	2 50.8	21/32 16.7	5/8	1.25
H 210												
__1BIO-x __1BI7-x-LC	*I	1-15/16 2 2-1/16 2-1/8 2-3/16 2-1/4	2-1/2 63.5	4-15/16 125.4	8-7/8 225.4	7/8 22.2	6-3/8 161.9	7-1/2 190.5	2 50.8	21/32 16.7	5/8	1.8
I 211												
__1BJO-x __1BJ7-x-LC	*J	2-3/16 2-1/4 2-5/16 2-3/8 2-7/16	2-3/4 69.9	5-3/8 136.5	9-1/2 241.3	7/8 22.2	6-7/16 163.5	8-1/8 206.4	2 50.8	21/32 16.7	5/8	
J 212												
__1BKO-x __1BK7-x-LC	*K	2-7/16 2-1/2 2-5/8 2-11/16 2-3/4	3 76.2	6-1/16 154.0	10-3/4 273.1	15/16 23.8	7-7/16 188.9	9-1/8 231.8	2-1/2 63.5	25/32 19.8	3/4	
K 214												
__1BLO-x __1BL7-x-LC	*L	2-11/16 2-3/4 2-13/16 2-7/8 2-15/16 3	3-1/2 88.9	6-3/4 171.5	11-3/4 298.5	1 25.4	8-1/4 209.6	9-7/8 250.8	2-1/2 63.5	25/32 19.8	3/4	
L 215												

7-x-LC: An "LC" after the shaft size indicates DoubleLock® sleeve included.

EDT POLYMER SMALL BOLT PATTERN 2-BOLT FLANGE BEARINGS



Series __6B__



*Alphabetical shaft diameter is sized for use with locking sleeve.
For information on locking sleeves See page D-14 (Red).

__ = Material Identifier (see selection chart on page H-2)

PART #	Shaft Diameter		A	B	C	D	E	F	Bolt Size	Wt
	mm	in	in mm	in mm	in mm	in mm	in mm	in mm		lbs
__6BA0-x __6BA7-x-LC A 203	*A	1/2 9/16 5/8 11/16	3-5/32 80.2	2-1/2 63.5	1-3/4 44.5	7/8 22.2	9/32 7.1	3/8 9.5	1/4	.1
__6BBO-x __6BB7-x-LC B 204	*B	1/2 9/16 5/8 11/16 3/4 13/16	3-17/32 89.7	2-13/16 71.4	2 50.8	7/8 22.2	11/32 8.7	7/16 11.1	5/16	.1
__6BCO-x __6BC7-x-LC C 205	*C	13/16 7/8 15/16 1	3-23/32 94.5	3 76.2	2-1/8 54.0	1 25.4	13/32 10.3	1/2 12.7	5/16	.2
__6BDO-x __6BD7-x-LC D 206	*D	1 1-1/16 1-1/8 1-3/16 1-1/4	-13/32 111.9	3-9/16 90.5	2-5/8 66.7	1 25.4	13/32 10.3	1/2 12.7	3/8	.2
__6BEO-x __6BE7-x-LC E 207	*E	1-3/16 1-1/4 1-5/16 1-3/8 1-7/16	4-25/32 121.4	3-15/16 100.0	3 76.2	1-1/2 38.1	13/32 10.3	1/2 12.7	3/8	

7-x-LC: An "LC" after the shaft size indicates DoubleLock® sleeve included.

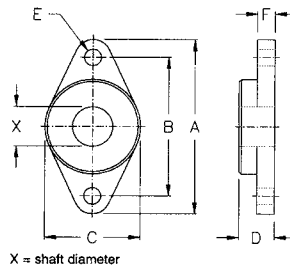
Round bolt holes are standard.
Square bolt holes are available. If required, please call for price and lead time.



EDT POLYMER 2-BOLT BLOCK BEARINGS

Series __2B__

*Alphabetical shaft diameter is sized for use with locking sleeve.
For information on locking sleeves See page D-14 (Red).



__ = Material Identifier (see selection chart on page H-2)

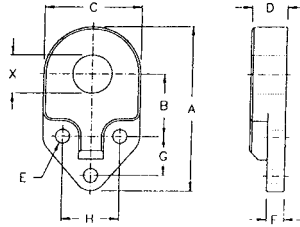
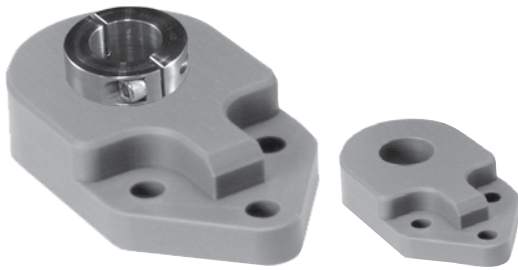
PART #	X= Shaft Diameter		A	B	C	D	E	F	Bolt Size	Wt
	Group	Ring								
__2BA0-x __2BA7-x-LC	*A	1/2 9/16 5/8 11/16	3-7/8 98.4	3 76.2	1-15/16 49.2	7/8 22.2	13/32 10.3	7/16 11.1	3/8	.1
A 203	17									
__2BBO-x __2BB7-x-LC	*B	1/2 9/16 5/8 11/16 3/4 13/16	4-13/32 111.9	3-17/32 89.7	2-1/4 57.2	7/8 22.2	13/32 10.3	7/16 11.1	3/8	.2
B 204	20									
__2BCO-x __2BC7-x-LC	*C	13/16 7/8 15/16 1	4-57/64 124.2	3-57/64 98.8	2-21/32 67.5	1 25.4	15/32 11.9	1/2 12.7	7/16	.3
C 205	25									
__2BDO-x __2BD7-x-LC	*D	1 1-1/16 1-1/8 1-3/16 1-1/4	5-19/32 142.1	4-19/32 116.7	3-1/8 79.4	1 25.4	15/32 11.9	1/2 12.7	7/16	.3
D 206	30									
__2BEO-x __2BE7-x-LC	*E	1-3/16 1-1/4 1-5/16 1-3/8 1-7/16	6-1/8 155.6	5-1/8 130.2	3-5/8 92.1	1-1/2 38.1	17/32 13.5	9/16 14.3	1/2	.5
E 207	35									
__2BFO-x __2BF7-x-LC	*F	1-7/16 1-1/2 1-9/16 1-5/8	6-25/32 172.2	5-21/32 143.7	4 101.6	1-1/2 38.1	17/32 13.5	9/16 14.3	1/2	.6
F 208	40									
__2BGO-x __2BG7-x-LC	*G	1-1/2 1-5/8 1-11/16 1-3/4	6-31/32 177.0	5-27/32 148.4	4-1/4 108.0	1-1/2 38.1	17/32 13.5	5/8 15.9	1/2	.7
G 209	45									
__2BHO-x __2BH7-x-LC	*H	1-11/16 1-3/4 1-13/16 1-7/8 1-15/16 2	7-5/16 185.7	6-3/16 157.2	4-9/16 115.9	1-1/2 38.1	17/32 13.5	5/8 15.9	5/8	.8
H 210	50									
__2BIO-x __2BI7-x-LC	*I	1-15/16 2 2-1/16 2-1/8 2-3/16 2-1/4	8-5/8 219.1	7-1/4 184.2	5-1/16 128.6	2 50.8	21/32 16.7	11/16 17.5	5/8	
I 211	55									
__2BJO-x __2BJ7-x-LC	*J	2-3/16 2-1/4 2-5/16 2-3/8 2-7/16	9-21/64 236.9	7-61/64 202.0	5-5/8 142.9	2 50.8	21/32 16.7	11/16 17.5	5/8	
J 212	60									
__2BKO-x __2BK7-x-LC	*K	2-7/16 2-1/2 2-5/8 2-11/16 2-3/4	9-11/16 246.1	8-5/16 211.1	6-7/16 163.5	2-1/2 63.5	21/32 16.7	3/4 19.1	5/8	
K 214	70									
__2BLO-x __2BL7-x-LC	*L	2-11/16 2-3/4 2-13/16 2-7/8 2-15/16 3	10-1/8 257.2	8-1/2 215.9	6-1/2 165.1	2-1/2 63.5	25/32 19.8	1 25.4	3/4	
L 215	75									

7-x-LC: An "LC" after the shaft size indicates DoubleLock® sleeve included.

EDT POLYMER 3-BOLT EXTENSION FLANGE BLOCK BEARINGS



Series __ 3B __



X = shaft diameter

*Alphabetical shaft diameter is sized for use with locking sleeve.
For information on locking sleeves See page D-14 (Red).

__ = Material Identifier (see selection chart on page H-2)

PART #	x= Shaft Diameter		A	B	C	D	E	F	G	H	Bolt Size	Wt
	mm	in										
__ 3BA0-x __ 3BA7-x-LC	*A	1/2 9/16 5/8 11/16	3-9/16 90.5	1-3/8 34.9	2 50.8	7/8 22.2	11/32 8.7	7/16 11.1	13/16 20.6	1-1/4 31.8	5/16	.2
A 203	17											
__ 3BB0-x __ 3BB7-x-LC	*B	1/2 9/16 5/8 11/16 3/4 13/16	4-5/16 109.5	1-11/16 42.9	2-1/2 63.5	7/8 22.2	13/32 10.3	7/16 11.1	7/8 22.2	1-1/2 38.1	3/8	.2
B 204	20											
__ 3BC0-x __ 3BC7-x-LC	*C	13/16 7/8 15/16 1	4-3/4 120.7	1-13/16 46.0	2-3/4 69.9	1 25.4	13/32 10.3	1/2 12.7	1-1/8 28.6	1-5/8 41.3	3/8	.2
C 205	25											
__ 3BD0-x __ 3BD7-x-LC	*D	1 1-1/16 1-1/8 1-3/16 1-1/4	5-3/8 136.5	2-1/16 52.4	3-1/8 79.4	1 25.4	13/32 10.3	1/2 12.7	1-1/4 31.8	1-7/8 47.6	1/2	.5
D 206	30											
__ 3BE0-x __ 3BE7-x-LC	*E	1-3/16 1-1/4 1-5/16 1-3/8 1-7/16	6-3/32 154.8	2-3/8 60.3	3-5/8 92.1	1-1/2 38.1	17/32 13.5	9/16 14.3	1-1/4 31.8	2 50.8	1/2	.7
E 207	35											
__ 3BF0-x __ 3BF7-x-LC	*F	1-7/16 1-1/2 1-9/16 1-5/8	6-9/16 161.9	2-9/16 65.1	4 101.6	1-1/2 38.1	17/32 13.5	9/16 14.3	1-3/8 34.9	2-1/4 57.2	1/2	.8
F 208	40											
__ 3BG0-x __ 3BG7-x-LC	*G	1-1/2 1-5/8 1-11/16 1-3/4	7-1/32 178.6	2-3/4 69.9	4-1/4 108.0	1-1/2 38.1	17/32 13.5	5/8 15.9	1-1/2 38.1	2-1/2 63.5	1/2	.8
G 209	45											
__ 3BH0-x __ 3BH7-x-LC	*H	1-11/16 1-3/4 1-13/16 1-7/8 1-15/16 2	7-15/32 189.7	2-15/16 74.6	4-9/16 115.9	1-1/2 38.1	17/32 13.5	5/8 15.9	1-5/8 41.3	2-3/4 69.9	5/8	1.2
H 210	50											
__ 3BI0-x __ 3BI7-x-LC	*I	1-15/16 2 2-1/16 2-1/8 2-3/16 2-1/4	8-7/32 208.8	3-1/8 79.4	5-1/16 128.6	2 50.8	21/32 16.7	11/16 17.5	1-3/4 44.5	3 76.2	5/8	1.7
I 211	55											
__ 3BJ0-x __ 3BJ7-x-LC	*J	2-3/16 2-1/4 2-5/16 2-3/8 2-7/16	9 228.6	3-3/8 85.7	5-5/8 142.9	2 50.8	21/32 16.7	11/16 17.5	2 50.8	3-1/2 88.9	5/8	
J 212	60											
__ 3BK0-x __ 3BK7-x-LC	*K	2-7/16 2-1/2 2-5/8 2-11/16 2-3/4	10-5/32 258.0	3-3/4 95.3	6-7/16 163.5	2-1/2 63.5	21/32 16.7	3/4 19.1	2-3/8 60.3	4-1/4 108.0	3/4	
K 214	70											
__ 3BL0-x __ 3BL7-x-LC	*L	2-11/16 2-3/4 2-13/16 2-7/8 2-15/16 3	10-13/16 274.6	4 101.6	6-1/2 165.1	2-1/2 63.5	25/32 19.8	1 25.4	2-5/8 66.7	4-1/4 108.0	3/4	
L 215	75											

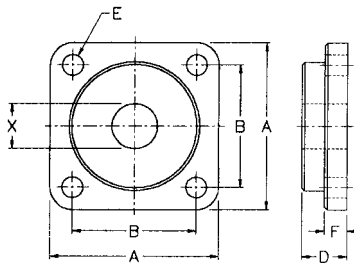
7-x-LC: An "LC" after the shaft size indicates DoubleLock® sleeve included.



EDT POLYMER 4-BOLT BLOCK BEARINGS

Series __4B__

*Alphabetical shaft diameter is sized for use with locking sleeve.
For information on locking sleeves See page D-14 (Red).



__ = Material Identifier (see selection chart on page H-2)

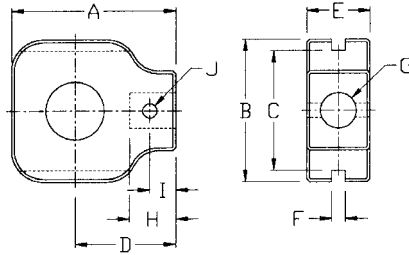
PART #	x= Shaft Diameter		A	B	D	E	F	Bolt Size	Wt
	Group	Ring							
__4BA0-x __4BA7-x-LC	*A	1/2 9/16 5/8	3 76.2	2-1/8 54.0	7/8 22.2	13/32 10.3	7/16 11.1	3/8	.2
A 203	17	11/16							
__4BBO-x __4BB7-x-LC	*B	1/2 9/16 5/8 11/16 3/4 13/16	3-3/8 85.7	2-1/2 63.5	7/8 22.2	13/32 10.3	7/16 11.1	3/8	.2
B 204	20								
__4BCO-x __4BC7-x-LC	*C	13/16 7/8 15/16 1	3-3/4 95.3	2-3/4 69.9	1 25.4	15/32 11.9	1/2 12.7	7/16	.4
C 205	25								
__4BDO-x __4BD7-x-LC	*D	1 1-1/16 1-1/8 1-3/16 1-1/4	4-1/4 108.0	3-1/4 82.6	1 25.4	15/32 11.9	1/2 12.7	7/16	.5
D 206	30								
__4BEO-x __4BE7-x-LC	*E	1-3/16 1-1/4 1-5/16 1-3/8 1-7/16	4-3/4 120.7	3-5/8 92.1	1-1/2 38.1	17/32 13.5	9/16 14.3	1/2	.7
E 207	35								
__4BFO-x __4BF7-x-LC	*F	1-7/16 1-1/2 1-9/16 1-5/8	5-1/8 130.2	4 101.6	1-1/2 38.1	17/32 13.5	9/16 14.3	1/2	1.0
F 208	40								
__4BGO-x __4BG7-x-LC	*G	1-1/2 1-5/8 1-11/16 1-3/4	5-1/4 133.4	4-1/8 104.8	1-1/2 38.1	17/32 13.5	5/8 15.9	1/2	1.0
G 209	45								
__4BHO-x __4BH7-x-LC	*H	1-11/16 1-3/4 1-13/16 1-7/8 1-15/16 2	5-1/2 139.7	4-3/8 111.1	1-1/2 38.1	17/32 13.5	5/8 15.9	5/8	1.1
H 210	50								
__4BIO-x __4BI7-x-LC	*I	1-15/16 2 2-1/16 2-1/8 2-3/16 2-1/4	6-1/2 165.1	5-1/8 130.2	2 50.8	21/32 16.7	11/16 17.5	5/8	1.8
I 211	55								
__4BJO-x __4BJ7-x-LC	*J	2-3/16 2-1/4 2-5/16 2-3/8 2-7/16	7 177.8	5-5/8 142.9	2 50.8	21/32 16.7	11/16 17.5	5/8	2.2
J 212	60								
__4BKO-x __4BK7-x-LC	*K	2-7/16 2-1/2 2-5/8 2-11/16 2-3/4	7-1/4 184.2	5-7/8 149.2	2-1/2 63.5	21/32 16.7	3/4 19.1	5/8	
K 214	70								
__4BLO-x __4BL7-x-LC	*L	2-11/16 2-3/4 2-13/16 2-7/8 2-15/16 3	7-5/8 193.7	6 152.4	2-1/2 63.5	25/32 19.8	1 25.4	3/4	
L 215	75								

7-x-LC: An "LC" after the shaft size indicates DoubleLock® sleeve included.

EDT POLYMER NARROW SLOT TAKE-UP BLOCK BEARINGS

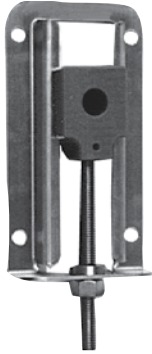


Series **5B** -



*Alphabetical shaft diameter is sized for use with locking sleeve.
For information on locking sleeves See page D-14 (Red).

 = Material Identifier (see selection chart on page H-2)



PART #	x= Shaft Diameter		A	B	C	D	E	F	G	H	I	J	Wt
	Group	Ring											
5BA0-x 5BA7-x-LC	*A	1/2 9/16 5/8 11/16	2-11/16 68.3	2-1/2 63.5	2 50.8	1-11/16 42.9	1 25.4	9/32 7.1	1/2	3/4 19.1	7/16 11.1	1/4 6.4	.2
A 203	17												
5BBO-x 5BB7-x-LC	*B	1/2 9/16 5/8 11/16 3/4 13/16	3-7/16 87.3	3-1/8 79.4	2-5/8 66.7	2-3/16 55.5	1-3/8 34.9	9/32 7.1	3/4	1 25.4	9/16 14.3	5/16 7.9	.4
B 204	20												
5BCO-x 5BC7-x-LC	*C	13/16 7/8 15/16 1	3-9/16 90.5	3-1/8 79.4	2-5/8 66.7	2-3/16 55.5	1-3/8 34.9	9/32 7.1	3/4	1 25.4	9/16 14.3	5/16 7.9	.4
C 205	25												
5BDO-x 5BD7-x-LC	*D	1 1-1/16 1-1/8 1-3/16 1-1/4	4-5/16 109.5	4-1/8 104.8	3-1/2 88.9	2-11/16 68.3	1-3/8 34.9	9/32 7.1	3/4	1-1/8 28.6	5/8 15.9	5/16 7.9	.7
D 206	30												
5BEO-x 5BE7-x-LC	*E	1-3/16 1-1/4 1-5/16 1-3/8 1-7/16	4-1/2 114.3	4-1/8 104.8	3-1/2 88.9	2-11/16 68.3	1-3/8 34.9	9/32 7.1	3/4	1-1/8 28.6	5/8 15.9	5/16 7.9	.8
E 207	35												
5BFO-x 5BF7-x-LC	*F	1-7/16 1-1/2 1-9/16 1-5/8	5-7/16 138.1	4-3/4 120.7	4 101.6	3-1/4 82.6	1-1/2 38.1	11/32 8.7	7/8	1-9/32 32.5	25/32 19.8	3/8 9.5	1.0
F 208	40												
5BGO-x 5BG7-x-LC	*G	1-1/2 1-5/8 1-11/16 1-3/4	5-7/16 138.1	4-3/4 120.7	4 101.6	3-1/4 82.6	1-1/2 38.1	11/32 8.7	7/8	1-9/32 32.5	25/32 19.8	3/8 9.5	
G 209	45												
5BHO-x 5BH7-x-LC	*H	1-11/16 1-3/4 1-13/16 1-7/8 1-15/16 2	5-7/16 138.1	4-3/4 120.7	4 101.6	3-1/4 82.6	1-1/2 38.1	11/32 8.7	7/8	1-9/32 25/32	25/32 19.8	3/8 9.5	
H 210	50												
5BIO-x 5BI7-x-LC	*I	1-15/16 2 2-1/16 2-1/8 2-3/16 2-1/4	6-1/8 155.6	5-3/8 136.5	4-7/16 112.7	3-5/8 92.1	1-3/4 44.5	11/32 8.7	1	1-13/32 35.7	13/16 20.6	7/16 11.1	
I 211	55												
5BJO-x 5BJ7-x-LC	*J	2-3/16 2-1/4 2-5/16 2-3/8 2-7/16	6-11/16 169.9	5-3/4 146.1	4-15/16 125.4	3-7/8 98.4	1-3/4 44.5	11/32 8.7	1	1-13/32 35.7	13/16 20.6	7/16 11.1	
J 212	60												
5BKO-x 5BK7-x-LC	*K	2-7/16 2-1/2 2-5/8 2-11/16 2-3/4	7-3/8 187.3	6-3/8 161.9	5-1/2 139.7	4-5/16 109.5	2 50.8	13/32 10.3	1-1/2	1-3/4 44.5	1 25.4	1/2 12.7	
K 214	70												
5BLO-x 5BL7-x-LC	*L	2-11/16 2-3/4 2-13/16 2-7/8 2-15/16 3	7-11/16 195.3	6-3/4 171.5	5-7/8 149.2	4-7/16 112.7	2 50.8	13/32 10.3	1-1/2	1-3/4 44.5	1 25.4	1/2 12.7	
L 215	75												

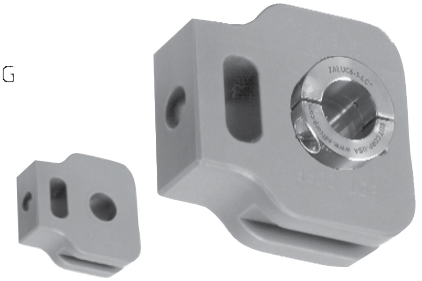
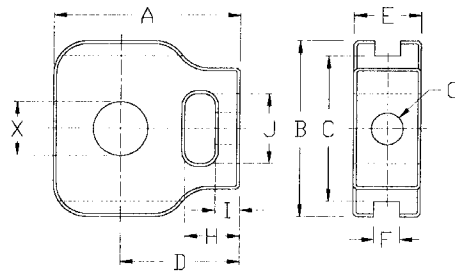
7-x-LC: An "LC" after the shaft size indicates DoubleLock® sleeve included.



EDT POLYMER WIDE SLOT TAKE-UP BLOCK BEARINGS

Series __7B__

*Alphabetical shaft diameter is sized for use with locking sleeve.
For information on locking sleeves See page D-14 (Red).

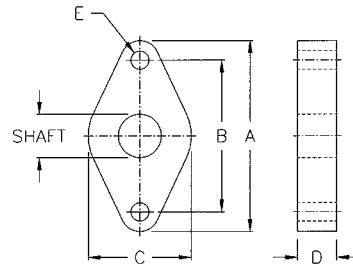


__ = Material Identifier (see selection chart on page H-2)

PART #	x= Shaft Diameter		A	B	C	D	E	F	G	H	I	J	Wt
	Group	Ring											
__7BA0-x __7BA7-x-LC	*A	1/2 9/16 5/8 11/16	3-1/8 79.4	3 76.2	2-1/2 63.5	2 50.8	1-1/8 28.6	25/64 9.9	1/2	7/8 22.2	3/8 9.5	1-1/4 31.8	
A 203	17												
__7BBO-x __7BB7-x-LC	*B	1/2 9/16 5/8 11/16 3/4 13/16	3-11/16 93.7	3-5/8 92.1	3 76.2	2-3/8 60.3	1-3/8 34.9	33/64 13.1	5/8	1-1/8 28.6	1/2 12.7	1-7/16 36.5	.5
B 204	20												
__7BCO-x __7BC7-x-LC	*C	13/16 7/8 15/16 1	3-13/16 96.8	3-5/8 92.1	3 76.2	2-7/16 61.9	1-3/8 34.9	33/64 13.1	5/8	1-1/8 28.6	1/2 12.7	1-7/16 36.5	.7
C 205	25												
__7BDO-x __7BD7-x-LC	*D	1 1-1/16 1-1/8 1-3/16 1-1/4	4-3/8 111.1	4-1/8 104.8	3-1/2 88.9	2-3/4 69.9	1-1/2 38.1	33/64 13.1	3/4	1-9/32 32.5	1/2 12.7	1-5/8 41.3	.6
D 206	30												
__7BEO-x __7BE7-x-LC	*E	1-3/16 1-1/4 1-5/16 1-3/8 1-7/16	4-13/16 122.2	4-1/8 104.8	3-1/2 88.9	3 76.2	1-1/2 38.1	33/64 13.1	3/4	1-3/16 30.1	1/2 12.7	1-5/8 41.3	.8
E 207	35												
__7BFO-x __7BF7-x-LC	*F	1-7/16 1-1/2 1-9/16 1-5/8	5-1/2 139.7	4-1/2 114.3	4 101.6	3-7/16 87.3	1-15/16 49.2	21/32 16.7	1	1-5/8 41.3	11/16 17.5	1-15/16 49.2	.9
F 208	40												
__7BGO-x __7BG7-x-LC	*G	1-1/2 1-5/8 1-11/16 1-3/4	5-11/16 144.5	4-5/8 117.5	4 101.6	3-1/2 88.9	1-15/16 49.2	21/32 16.7	1	1-5/8 41.3	11/16 17.5	1-15/16 49.2	
G 209	45												
__7BHO-x __7BH7-x-LC	*H	1-11/16 1-3/4 1-13/16 1-7/8 1-15/16 2	5-13/16 147.6	4-3/4 120.7	4 101.6	3-9/16 90.5	1-15/16 49.2	21/32 16.7	1	1-5/8 41.3	11/16 17.5	1-15/16 49.2	
H 210	50												
__7BIO-x __7BI7-x-LC	*I	1-15/16 2 2-1/16 2-1/8 2-3/16 2-1/4	7 177.8	5-7/8 149.2	5-1/8 130.2	4-1/2 114.3	2-1/2 63.5	1-1/32 26.2	1-1/4	2-3/32 53.2	27/32 21.4	2-1/2 63.5	
I 211	55												
__7BJO-x __7BJ7-x-LC	*J	2-3/16 2-1/4 2-5/16 2-3/8 2-7/16	7-1/2 190.5	5-7/8 149.2	5-1/8 130.2	4-11/16 119.1	2-1/2 63.5	1-1/32 26.2	1-1/4	2-1/8 54.0	7/8 22.2	2-1/2 63.5	
J 212	60												
__7BKO-x __7BK7-x-LC	*K	2-7/16 2-1/2 2-5/8 2-11/16 2-3/4	8-7/8 225.4	6-11/16 169.9	5-15/16 150.8	5-3/8 136.5	2-1/2 63.5	1-1/32 26.9	1-1/2	2-1/2 63.5	1 25.4	2-7/8 73.0	
K 214	70												
__7BLO-x __7BL7-x-LC	*L	2-11/16 2-3/4 2-13/16 2-7/8 2-15/16 3	9-1/8 231.8	6-11/16 169.9	5-15/16 150.8	5-1/2 139.7	2-1/2 63.5	1-1/32 26.9	1-1/2	2-1/2 63.5	1 25.4	2-7/8 73.0	
L 215	75												

7-x-LC: An "LC" after the shaft size indicates DoubleLock® sleeve included.

EDT POLYMER MINI TWO BOLT BLOCK BEARINGS

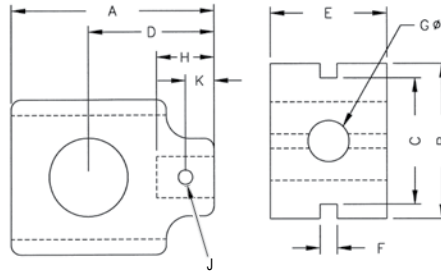


PART #	x= Shaft Diameter		A	B	C	D	E	Bolt Size	Wt
	Group	Ring							mm
NA2ZX-x		1/2 5/8 3/4	2-1/8 54.0	1-1/2 38.1	1-1/4 31.7	1/2 12.7	11/64 6.7	1/4	.2



EDT POLYMER SPECIAL NARROW SLOT TAKE-UP BLOCK BEARINGS

*Alphabetical shaft diameter is sized for use with locking sleeve.
For take-up frame and bearing assembly....See page M-1 (Light Blue)



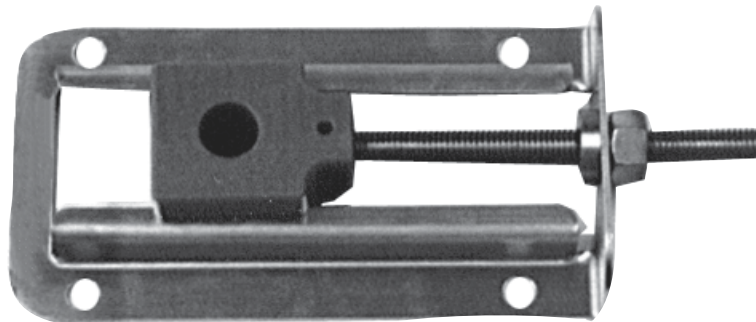
PART #	x= Shaft Diameter		A	B	C	D	E	F	G	H	K	J	Wt	
	Group	Ring												mm
NATUN-			1/2	2-5/8	2	1-5/8	1-5/8	1-1-2	7/32	17/32	3/4	3/8	3/16	.2
			5/8	66.7	50.8	41.4	41.1	38.1	5.6	13.5	19.1	9.5	4.7	
			3/4											
			7/8											
		15/16												
		1												
		*C												

NON-CORROSIVE

Stainless and polymer take-up assemblies
(bearing plus frame)

for light duty applications available from EDT

See Section M (Light Blue) – Stainless Take-up Frames



ENGINEERING NOTES

GREASELESS BEARINGS FOR HIGH TEMPERATURE LOCATIONS

GOT BEARINGS THAT NEED TO TAKE THE HEAT?

Look to EDT for solutions to high temperature bearing problems.

The two big challenges to bearings operating in high heat locations are lubrication and expansion. EDT offers Poly-Round® bearings specifically for ovens and other high heat installations that:

- **Require NO grease**
- **Accommodate shaft expansion with fixed and “floating” styles readily available**

Consider Poly-Round® bearings for applications from 200°F / 94°C to 1,000°F / 540°C operating at low to moderate speed, regardless of moisture, wash-down, heating mechanism (infrared, direct or indirect-fired, air impingement, wood fired, gas or electric), hot / cold or on / off cycles.



Bearings For Severe Service Environments

Poly-Round® and Radial Poly-Round® oven bearings are proving their value on ovens made by these manufacturers

APV-Baker, Babbco, Casa Herrera, Gemini, Heat and Control, JBT-Stein JSO, Lawrence, MIWE and others



Expansion



Fixed



Radial Poly-Round®

Contact EDT for assistance with bearings operating in all kinds of high temperature environments, including tunnel or batch ovens, smoke houses, proofer, furnaces, kilns, dampers, kettle or batch fryers, steamers or blanchers, retorts, bagel boilers, autoclaves, branders, dryers, etc.



Poly-Round® bearings are **GUARANTEED** for 1 year of low maintenance life on conveyors that are socket-driven (wire belts, modular plastic belts, idler rollers), or EDT will replace it with the bearing of your choice.

When bearing exhibits excessive wear in one direction, the insert can be rotated 180° to extend bearing life.



Advantages of Poly-Round® Bearings in High Temperatures

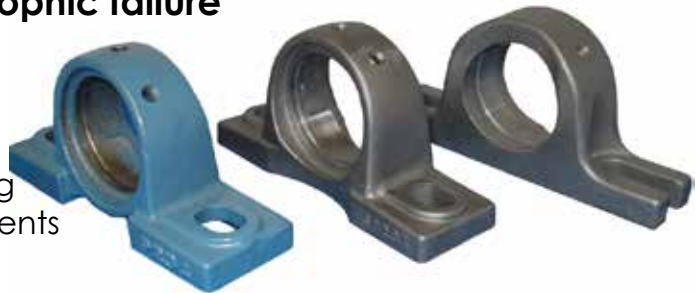
• Greaseless

- Eliminate labor for maintaining grease
- Eliminate cost of materials for maintaining grease
- Eliminate process contamination from grease
- No unsightly bearings from grease melting out of the bearings



- **No rust - materials are corrosion resistant**
- **Less maintenance due to solid construction parts (no rolling elements)**
- **Predictable wear allows scheduled maintenance**
- **No lost parts or pieces in a catastrophic failure**
- **Plane bearings are self-lubricating**
- **Replace only worn components**

EDT offers a choice of housings depending on visual, sanitary & operational requirements



Cast Iron

Cast Stainless

Machined Stainless

Let EDT Sweat The Details:

Complete a Bearing Design Checklist for selection assistance

Bookmark it!

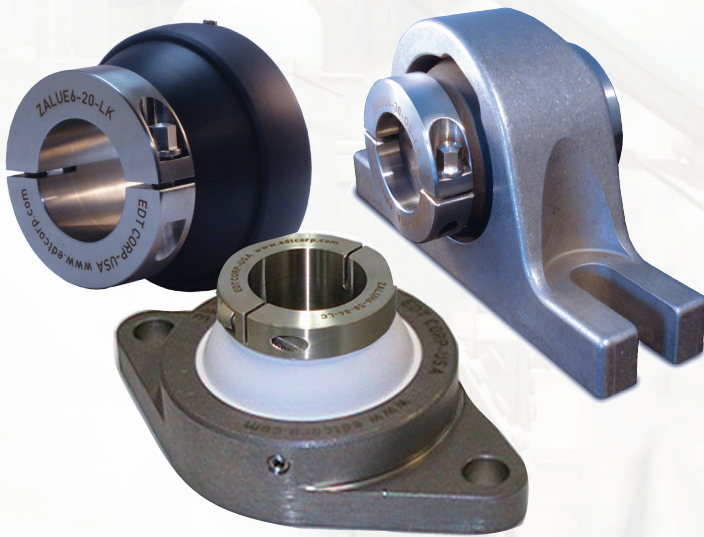
www.edtcorp.com/html_pages/technical.html



Bearings For Severe Service Environments

GREASELESS BEARINGS FOR HIGH TEMPERATURE LOCATIONS

Keep your cool operating ovens and other hot spots with **Poly-Round®** bearings



- Less downtime / More UP-time
- No grease!
- Cleaner, dependable operations
- Reduced maintenance
- Eliminate collateral equipment damage
- Reduced fire safety concerns
- Eliminates unsightly grease buildup



It's not easy to keep ball bearings operating reliably in high temperature locations. If you're tired of the mess, time and expenses that come with keeping equipment running in hot spots, look to **GREASELESS** EDT Poly-Round® bearings. You'll gain reliability with BIG payback.




Bearings For Severe Service Environments

Compare the Cost Of Ownership

On oven belt support rollers
EDT Poly-Round® bearings save time,
eliminate grease, and prevent collateral damage

1 year comparison of Poly-Round® bearings versus stainless ball bearing in metal housing	 Original SS ball bearing	 EDT Poly-Round® QF9FE7-23-LCHTE
A. Initial cost of bearing & housing	188.23	455.00
B. Installation labor \$30/hr (.50/min) x 1 hour	30.00	30.00
C. Frequency of replacement (per year)	4 times	1 time
D. Annual bearing cost	872.92	485.00
E. Cost to lubricate bearing (i.e. Lubriplate® Syn 1600) Grease: .55/ounce x 1 oz lube Labor: (.50 per min) x 1 min 5 days/week x 52 weeks	0.55 + 0.50 1.05 x 260 273.00	Poly-Round® requires no grease 0.00
F. After 6 months Rotate Poly-Round® 180° Labor (1 hour at \$30/hr)	N/A	30.00
One year cost of bearings on one end of one roller	1,145.92	515.00
Annual savings x 32 bearings per oven	\$630.92 \$20,189.44	1 year savings per oven with EDT Poly-Round®

Poly-Round® inserts with locking sleeves readily accommodate shaft expansion



- Floating end bearings include a .6" longer sleeve
- Fixed end bearings include a stainless split collar
- Greaseless

EDT locking sleeves

- 316 stainless steel for toughness and corrosion resistance (other materials available)
- Provide an optimum running surface that extends life of Poly-Round® insert
- Protect the shaft from wear and collateral damage
- Improve journal of less-than-ideal shaft in lieu of replacement
- May be used through multiple Poly-Round® change-outs

When Poly-Round® bearing is worn too far in one direction, rotate bearing



to use the other half

Poly-Round® High Temperature Materials

Poly-Round® Bearing Materials	PV Limit*	Maximum Speed V (SFM)	Maximum Loading P (PSI)	Continuous Operating Temp.	USDA/FDA Contact Approval
FA white	6,000	350	1,000	500°F	Direct
QF black	60,000	400	6,000	450°F	Incidental
MZ black	6000	300	4,000	650°F	Incidental
MY black	5000	250	3,000	800°F	Incidental
ZZ smokey silver	-	Intermittent motion	Up to 100,000	1100°F	Incidental

Let EDT sweat the details:

For help with a specific application complete a Bearing Design Checklist

www.edtcorp.com/html_pages/technical.html
 Bookmark it!

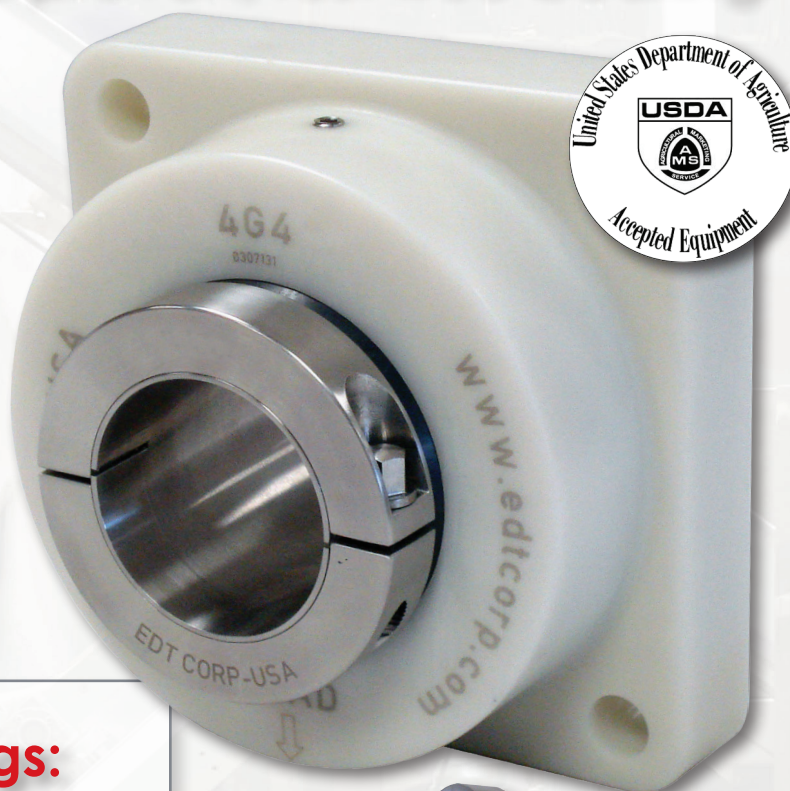
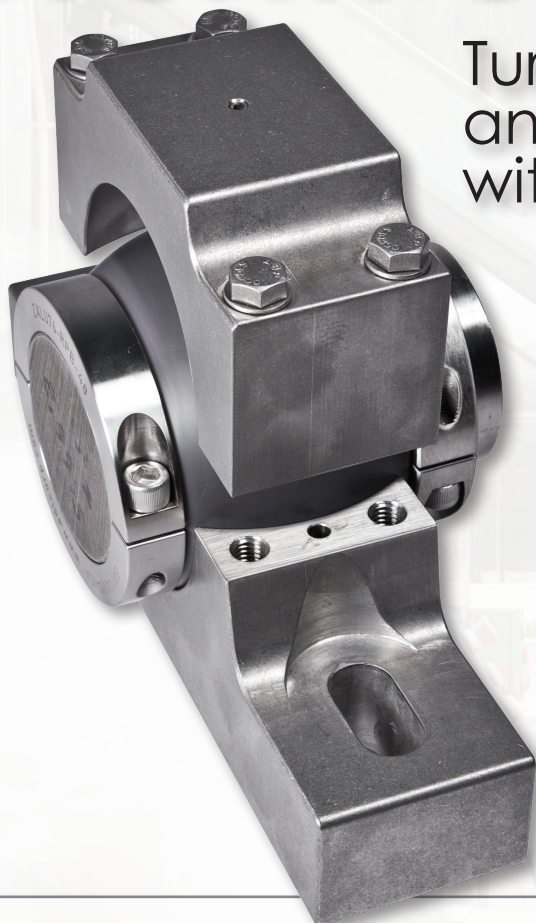


Bearings For Severe Service Environments

EDT TYPE E SOLUTION[®] BEARINGS FOR HORIZONTAL BLENDERS/MIXERS

Worth every penny!

Turn to EDT grease-less bearings and enhance food safety with a proven, rust-free bearing



Type E Solution[®] Bearings:

- Clean operation – unaffected by process moisture and washdown
- No grease, never need to lubricate
- No rust, avoid red water
- Long and reliable life with no maintenance – solid construction
- No process contamination from paint or grease
- Double the life by rotating the bearing insert 180°



Bearings For Severe Service Environments



COMPARE THE COSTS OF OWNERSHIP OF
EDT Type E Solution® 4-Bolt
 ON FOOD PROCESSING RIBBON BLENDER

EDT bearings save money, time, and labor!

Cost of original bearing

Based on standard Type E lasting 16 weeks and then replace complete unit



1st Year

Cost to purchase bearing F4BE207 **\$583.00**

Cost to initially install bearing Labor: \$35/hr x 1/2 hour \$17.50
 Cost of bearing and installation **\$600.50**

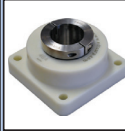
Bearing change-outs per year: 52 weeks divided by average 16 week life $\frac{52}{16} = 3.25$
 Cost of bearing **\$1,801.50**

Cost of lubricant: Lubriplate® LFG 1 oz/application at 30¢/ounce \$0.30
 Labor: 58¢ per minute x 2 minutes + \$1.16
 PM frequency: 3 times/week x 52 weeks $\frac{3 \times 52}{1} = 156$
\$227.76

Total 1 year bearing cost x 2 bearings per machine $\frac{600.50 \times 2}{1} = 1201$
One year cost of bearings per machine \$4,058.52

Cost of EDT Type E Solution®

Based on Type E Solution® Poly-Sphere® lasting 2 years rotate insert after 12 months and reuse other components multiple times



1st Year

Cost to purchase EDT bearing NA4G6-39 **\$1,600.00**

Cost to initially install bearing Labor: \$35/hr x 1/2 hour \$17.50
 Cost of each bearing with installation **\$1,617.50**

Bearing change-outs per year x 1
 1 year cost to buy/install bearings **\$1,617.50**

Cost of lubricant:
EDT Poly-Sphere® bearing is grease-less and non-rusting so eliminates process contamination \$0.00

Total 1 year bearing cost x 2 bearings per machine $\frac{1617.50 \times 2}{1} = 3235$
One year cost of bearings per machine \$3,235.00

Machine's 1 year cost with original bearings \$4,058.52
 versus 1 year cost with EDT bearings \$3,235.00

First Year Savings \$823.52

One year savings with EDT bearings!

\$823.52 x 1 Blender per facility

2nd Year

Continue same costs as 1st year

One year machine cost with original bearings \$4,058.52

(This includes change-out labor plus lubrication 3 times per week)

2nd year cost of bearings per blender **\$4,058.52**

Total 2 year cost of bearings on 1 blender **\$8,117.04**

2nd Year

When bearing is worn too far into one direction, rotate insert 180° to utilize other half of sphere



Poly-Sphere®

NAOU060-RPB (\$480 replacement) **\$0.00**

Labor to rotate insert: \$35/hour x 1/2 hour **\$17.50**

2nd year cost of bearings per blender **\$17.50**

Total 2 year cost of bearings on 1 blender **\$3,252.50**

Machine's 2 year costs with original bearings \$8,117.04
 versus 2 year costs with EDT bearings \$3,252.50

Savings per blender \$4,864.54

Savings over 2 years using EDT bearings!

\$4,864.54 x 1 Blender per facility

Plus significantly reduced maintenance scheduling and less downtime!

The above illustration is based on average plant conditions. Individual results can vary based on installation and maintenance practices, and environmental conditions.



Equipment where EDT Type E bearings can retrofit

**AMFEC • Blentech • FPEC
 Cozzini • Griffith • Mepaco
 Wolf-Tec • Wolfking**

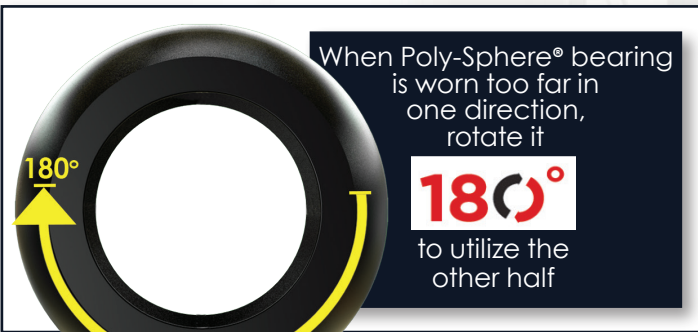
Ask EDT for bearing selection assistance by completing a

Bearing Design Checklist

www.edtcorp.com/html_pages/technical.html

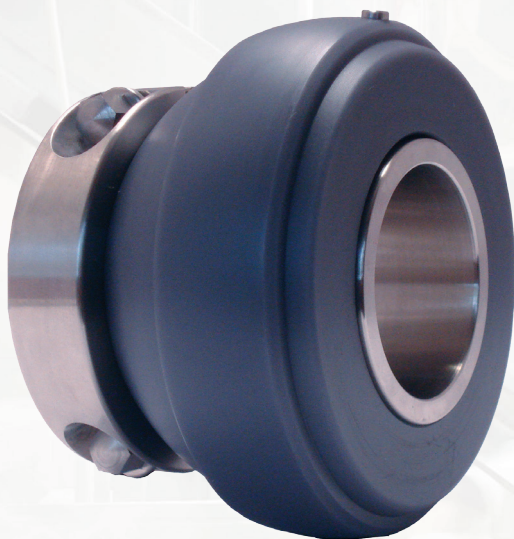
Bookmark it!

For a Cost Of Ownership analysis of your application, contact an EDT sales representative today

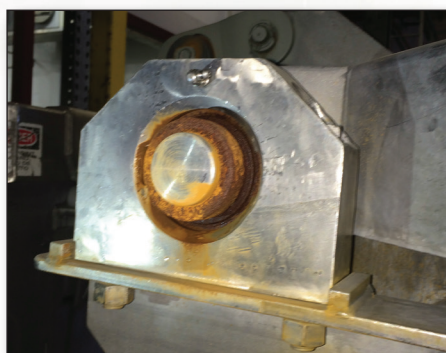


Bearings For Severe Service Environments

EDT BEARINGS FOR HMI DRYERS



What does a \$40
dryer lid bearing
REALLY cost you?



Replace ball
bearings with
Poly-Round® Plus
corrosion-free
bearings from EDT,
and reduce costs
and time every week





Get the EDT Advantage!

- Reduced PM time - NO GREASE
- Unaffected by washdown - NO RUST
- Will not damage shaft
- Eliminate red water - CLEANER OPERATION
- Significant cost savings



Bearings For Severe Service Environments

Compare the real, side-by-side cost of a standard ball bearing to an EDT Poly-Round® Plus bearing!

Comparing the costs of ownership of EDT Poly-Round® Plus Insert versus standard ball bearing on HMI Dryer lid shaft			
Cost of original ball bearings Based on standard bearing lasting 4.5 years (56 months). The bearings and shaft are both replaced at the same time 		Cost of EDT Poly-Round® Plus Based on EDT bearing operating as long as original bearing: 4.5 years 	
Cost to purchase bearing 2 bearings per hinge	\$38.00 x2 \$76.00	Cost to purchase bearing NAIPH7-31-LK 2 bearings per hinge	\$323.00 x2 \$646.00
Cost to install bearings 6 hours @ \$40/Hour	\$240.00	Cost to install bearings 6 hours @ \$40/Hour	\$240.00
Cost of lubrication Lubriplate FLG at 30¢ /ounce x 1 ounce Labor: \$40/Hr. = 66¢ /Min. 66¢ /Min. x 5 mins per lube cycle Labor & material per lube cycle 1 time/week x 52 weeks/year x 4.5 years Total cost to lubricate bearings	\$0.30 \$3.30 \$3.60 x 234 \$842.40	Cost of lubrication EDT Poly-Round® bearings and sleeves are greaseless and non-rusting! Total cost to lubricate bearings	\$0.00
Cost to replace lid shaft Every time bearings are changed, shaft is changed. Facility cost of shaft change:	\$2,000.00	Cost to replace lid shaft There is no damage to shaft using Poly-Round® bearings and sleeves!	\$0.00
Bearing Related Expenses with ball bearings over 4.5 year life	\$3,158.40	Bearing Related Expenses with EDT bearings over 4.5 year life	\$886.00
Original bearing total cost of ownership: \$3,158.40 versus EDT bearing total cost of ownership: \$886.00 Savings per dryer: \$2,272.40 x 20 HMI Dryers = \$45,448.00			
Plus significantly reduced maintenance scheduling and less downtime!			
The above illustration is based on average plant conditions. Individual results can vary based on installation and maintenance practices, and environmental conditions.			

Are there other locations where current bearings aren't lasting as long as you'd like or cause other problems?

Let EDT Help!

Complete a **Bearing Design Checklist (BDC)** today and you'll hear from us promptly!

www.edtcorp.com/html_pages/technical.html



Bearings For Severe Service Environments

POLY-ROUND® BEARINGS FOR MODULAR BELTS

So reliable that we guarantee it.



Twelve reasons why using EDT Poly-Round® bearings on your modular belts will save time and money and a lot of headaches

1. Grease-free means reduced PM time
2. Unaffected by washdown - NO RUST
3. Increased up time, decreased down time
4. USDA accepted
5. Interchangeable with bearings of most brands
6. Eliminates catastrophic failure
7. Eliminates metal contamination
8. Eliminates machine damage from broken ball bearings
9. No contamination makes this the ideal bearing to run directly over food product zones
10. Direct and measureable investment return
11. Bearings can be reused by rotating **180°**
12. Predictable maintenance



On sprocket-driven modular plastic and wire belt conveyors, EDT **GUARANTEES** the NA Poly-Round® bearing to last 1 year, or EDT will replace it with the bearing of your choice.



Poly-Round® Plus retrofits a ball bearing in most brands of housings



Bearings For Severe Service Environments



COMPARE THE COSTS OF OWNERSHIP OF
EDT NA Poly-Round® Solution® Bearings
 ON STRAIGHT RUN MODULAR PLASTIC OR WIRE BELT CONVEYORS

EDT bearings save money, time, and labor!

Cost of original bearing

(Non-corrosive ball bearing in polymer housing)

Based on replacing bearing and housing every 6 months



1st Year

Cost to purchase original bearing & housing F2BSCEZ100	\$114.17
Cost to initially install bearing Labor (1 hour at \$30/hr)	\$30.00
Cost of bearing and installation	\$144.17
Bearing change-outs per year 52 weeks divided by 6 months	x 2
1 year cost to buy/install bearings	\$288.34
Cost of lubricant: Lubriplate® LFG 1 oz per week at 55¢/oz	\$0.55
Labor: 50¢ per min x 1 min	0.50
PM frequency: 2 times per week	x 104
	\$109.20
Total 1 year bearing cost	\$397.54
x number of bearings per machine	4
One year cost of bearings per machine	\$1,590.16

Cost of EDT NA Poly-Round® Solution®

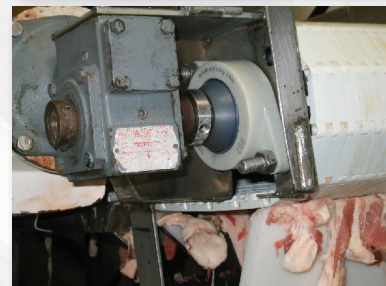
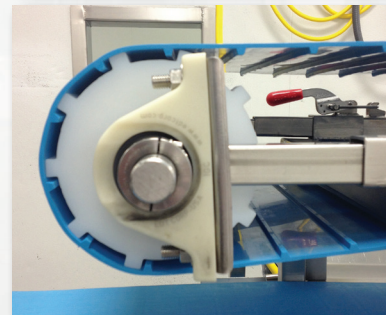
(Poly-Round® polymer insert in polymer housing)

Based on re-using housing and sleeve, and replacing only the insert every 12 months



1st Year

Cost to purchase EDT bearing & housing NA2GC7-16-LK	\$167.00
Cost to initially install bearing Labor (1 hour at \$30/hr)	\$30.00
Cost of bearing and installation	\$197.00
Poly-Round® bearing guaranteed to run 12 months with zero maintenance	
1 year cost to buy/install bearings	\$197.00
Cost of lubricant: EDT Poly-Round® bearing is greaseless	\$0.00
Total 1 year bearing cost	\$197.00
x number of bearings per machine	4
One year cost of bearings per machine	\$788.00



Machine's 1 year cost with original bearings \$1,590.16
 versus 1 year cost with EDT bearings \$788.00

Savings per machine \$802.16 x 6 modular belt conveyors per facility **\$4,812.96**

One year savings with EDT bearings!

2nd Year

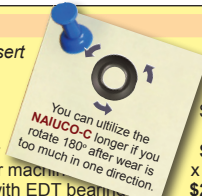
Continue same costs as 1st year

Total 2nd year bearing cost	\$397.54
x number of bearings per machine	x 4
2nd year machine cost with original bearings	\$1,590.16
Total 2-year cost of bearings on 1 machine	\$3,180.32

2nd Year

Replace Poly-Round® insert

Poly-Round® NAIUCO-C	\$38.00
Labor: \$30/hour x 1 hour	\$30.00
x number of bearings per machine	x 4
2nd year machine cost with EDT bearings	\$272.00
Total 2-year cost of bearings on 1 machine	\$1,060.00



Machine's 2 year cost with original bearings \$3,180.32
 versus 2 year cost with EDT bearings \$1,060.00

Savings per machine \$2,120.32 x 6 modular belt conveyors per facility **\$12,721.92**

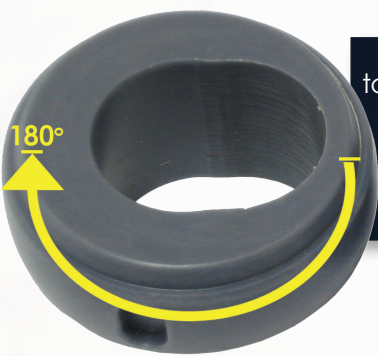
Savings over 2 years using EDT bearings!

Plus significantly reduced maintenance scheduling and less downtime!

The above illustration is based on average plant conditions.
 Individual results can vary based on installation and maintenance practices, and environmental conditions.

Conveyors where Poly-Round® bearings are a good choice

- Transfer conveyors
- Accumulating conveyors
- Dewatering equipment
- Inspection belts
- Breeder belts
- Packaging conveyors



When Poly-Round® bearing is worn too far in one direction, rotate bearing



to use the other half



Bearings For Severe Service Environments

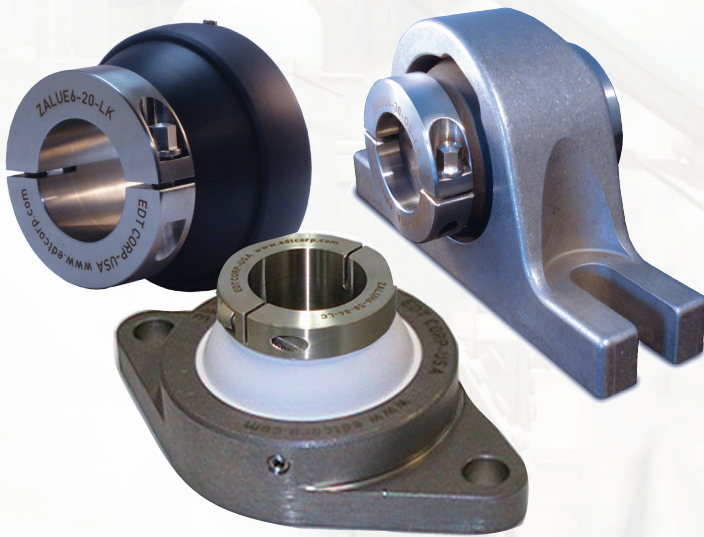
For help with a specific application, complete a **Bearing Design Checklist** and EDT will help you select the best bearing type and material for the job

www.edtcorp.com/html_pages/technical.html
 Bookmark it!

EDT's Poly-Round® bearings are not designed for curves or high speed

GREASELESS BEARINGS FOR HIGH TEMPERATURE LOCATIONS

Keep your cool operating ovens and other hot spots with **Poly-Round®** bearings



- Less downtime / More UP-time
- No grease!
- Cleaner, dependable operations
- Reduced maintenance
- Eliminate collateral equipment damage
- Reduced fire safety concerns
- Eliminates unsightly grease buildup



It's not easy to keep ball bearings operating reliably in high temperature locations. If you're tired of the mess, time and expenses that come with keeping equipment running in hot spots, look to **GREASELESS** EDT Poly-Round® bearings. You'll gain reliability with BIG payback.




Bearings For Severe Service Environments

Compare the Cost Of Ownership

On oven belt support rollers
EDT Poly-Round® bearings save time,
eliminate grease, and prevent collateral damage

1 year comparison of Poly-Round® bearings versus stainless ball bearing in metal housing	 Original SS ball bearing	 EDT Poly-Round® QF9FE7-23-LCHTE
A. Initial cost of bearing & housing	188.23	455.00
B. Installation labor \$30/hr (.50/min) x 1 hour	30.00	30.00
C. Frequency of replacement (per year)	4 times	1 time
D. Annual bearing cost	872.92	485.00
E. Cost to lubricate bearing (i.e. Lubriplate® Syn 1600) Grease: .55/ounce x 1 oz lube Labor: (.50 per min) x 1 min 5 days/week x 52 weeks	0.55 + 0.50 1.05 x 260 273.00	Poly-Round® requires no grease 0.00
F. After 6 months Rotate Poly-Round® 180° Labor (1 hour at \$30/hr)	N/A	30.00
One year cost of bearings on one end of one roller	1,145.92	515.00
Annual savings x 32 bearings per oven	\$630.92 \$20,189.44 1 year savings per oven with EDT Poly-Round®	

Poly-Round® inserts with locking sleeves readily accommodate shaft expansion



- Floating end bearings include a .6" longer sleeve
- Fixed end bearings include a stainless split collar
- Greaseless

EDT locking sleeves

- 316 stainless steel for toughness and corrosion resistance (other materials available)
- Provide an optimum running surface that extends life of Poly-Round® insert
- Protect the shaft from wear and collateral damage
- Improve journal of less-than-ideal shaft in lieu of replacement
- May be used through multiple Poly-Round® change-outs

When Poly-Round® bearing is worn too far in one direction, rotate bearing



to use the other half

Poly-Round® High Temperature Materials

Poly-Round® Bearing Materials	PV Limit*	Maximum Speed V (SFM)	Maximum Loading P (PSI)	Continuous Operating Temp.	USDA/FDA Contact Approval
FA white	6,000	350	1,000	500°F	Direct
QF black	60,000	400	6,000	450°F	Incidental
MZ black	6000	300	4,000	650°F	Incidental
MY black	5000	250	3,000	800°F	Incidental
ZZ smokey silver	-	Intermittent motion	Up to 100,000	1100°F	Incidental

Let EDT sweat the details:

For help with a specific application complete a Bearing Design Checklist

www.edtcorp.com/html_pages/technical.html
 Bookmark it!



Bearings For Severe Service Environments

EDT BEARINGS FOR SNACK FOOD PRODUCTION

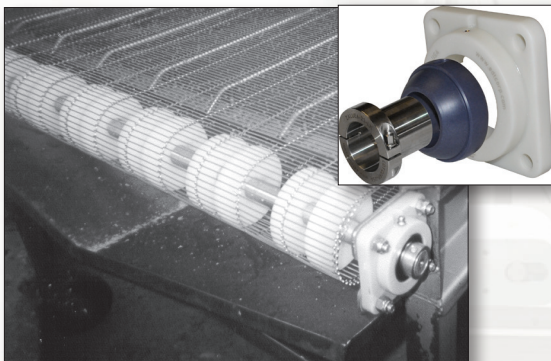
EDT bearing products help keep production running crisply



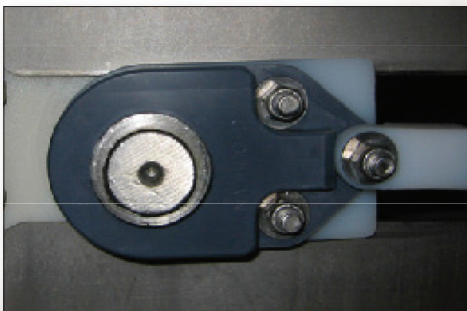
Fryer paddle bearings run 12/24 months and won't lose balls in the oil



Peeler bearings are ideal for output end of potato peelers



Poly-Round® Solution® bearings of all styles and sizes are guaranteed for 1 year on modular belt conveyors



Polymer block bearings of all styles and sizes are designed to withstand impact

Grease-less bearing products you can rely on 24/7

- Designed for cleanability
- Unaffected by wash-down
- Eliminate re-greasing
- Avoid process contamination
- More up-time with no catastrophic bearing failure
- Predictable longevity and maintenance scheduling



On sprocket-driven modular plastic and wire belt conveyors, **EDT GUARANTEES** the NA Poly-Round® bearing to last 1 year, or EDT will replace it with the bearing of your choice.



Poly-Round® Plus inserts allow easy retrofit of ball bearing into most brands of housings



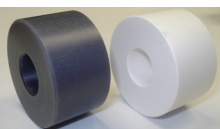
Bearings For Severe Service Environments



FAB14C-1



FA1012 / FA1013



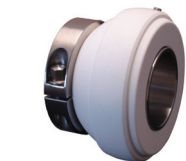
NB1408 / FA1408



Fryer bearing



NA2GC7-1-LC



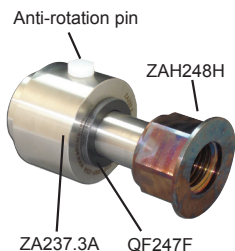
FA Poly-Round® Plus



Scale links



PA1MB



ZA237.3A QF247F

EDT Part #

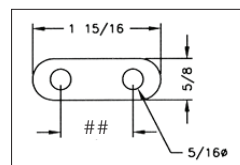
B-26097 Stat weigher bushing
 NA2432-2 34360-24 bottom bushing for agitator 2-7/16" OD x 3-1/4" long for 2" shaft
 NA1703-7/8 34360-27 fryer take-out conveyor bearing (temp to 180°) 1.75 OD x 1/4" x 7/8" ID
 NAW3013-1/2" Corn washer hold-down wheel 3" OD x 1.1" wide with 1-3/8" hub width, 1/2" ID
 QF1207-3/8 CYR 1-1/4S yoke interchange: 1-1/4" OD x 3/4" long for 3/4" shaft
 FA1207-3/8 CYR 1-1/4S yoke interchange: 1-1/4" OD x 3/4" long for 3/4" shaft
 FAB14C-1 BH1620 fryer arm tensioner 1-3/8" OD x 1-1/4" long for 1" shaft
 FAF0810-1/ 2 Heat and Control conveyor bearing 5/8" OD x 1" long, 3/4" OD flange, 1/2" shaft
 FAF1012-1/2 Idler sprocket brg for fryer paddle on fryer 3/4" OD x 1-28" with 1" flange for 1/2" ID
 FAF1013-1/2 Idler sprocket Heat and Control J2-3044-C25-1 3/4" OD x 1.31" with 1" flange for 1/2" ID
 FAF2028-1-7/16 Deoiler idler support bushing 1-3/4" OD x 2-7/8" long with 2" flange, 1-7/16" shaft
 FA1408-1/2 1621-2RS x 2 seasoning spinner bearing 1-3/8" OD x .78 wide x 1/2"
 NB1408-1/2 1621-2RS x 2 seasoning spinner bearing 1-3/8" OD x .78 wide x 1/2"
 FAW1801-1 High temp thrust bearing 1-7/8" OD x 1/8" thick for 1" shaft
 FP115-1 Casa Herrera oven guide roller bushing 1.48 OD x 1-1/2 long for 1" shaft
 FG0815-5/8 High-temp bushing 7/8" OD x 1-1/2" long for 5/8" shaft
 FA.25x2x1 High temperature 2" wide wear strip: 1/4" thick by 1' long
 EDT0199 Octogan roller, chip separator, white plastic 1-7/8" wide x 2" long for 1-1/4" shaft
 FA2AE7-23-LK Heat and Control fryer paddle bearing, 1-7/16" shaft (also 1-1/4" or 35mm)
 FA2AD7-19-LK Heat and control fryer paddle bearing, 1-3/16" shaft (1-1/4" or 30mm)
 FA2AG7-27-LK Heat and Control fryer paddle bearing, 1-11/16" shaft (also 1-5/8" or 45mm)

NA6GA7-5/8 Poly-Round® Solution® conveyor small 2-bolt, 5/8" shaft
 NA2GC7-1-LC Poly-Round® Solution® conveyor standard 2-bolt, 1" shaft

FAIPD7-D "FA" for submerged high temp
 FAIPE7-E "NA" for ambient temperature
 FAIAG7-G

Poly-Round® inserts are the wear component in mounted bearings. After inserts wear, rotate 180°, then replace just the insert; reuse the housing.

Ishida# 4K-59398-1, EDT: B xx 30##
 Ishida# 4K-59398-2, EDT: B xx 26##
 ## = center distance xx = color identifier 30 (large) or 26(short)



Links for Ishida scales – Select from variety of colors to uniquely identify each packaging line

- Pink
- Dark Blue
- Light Green
- Yellow
- GraY
- ReD
- Light Blue
- Dark Green
- OraNge
- BlacK
- Dk Purple
- Light Purple
- Neon Green
- Neon Orange
- WhiTe
- TaN
- BrowN

PA1MB-3/4 } Block bearings for Heat and Control conveyors
 PA1MB-1-3/16 }
 PA1NEO-1-7/16 }
 PA4GCO-1 1" 4-bolt conveyor bearing

VanMark Peeler bearings for brushes on output end of peeling drum

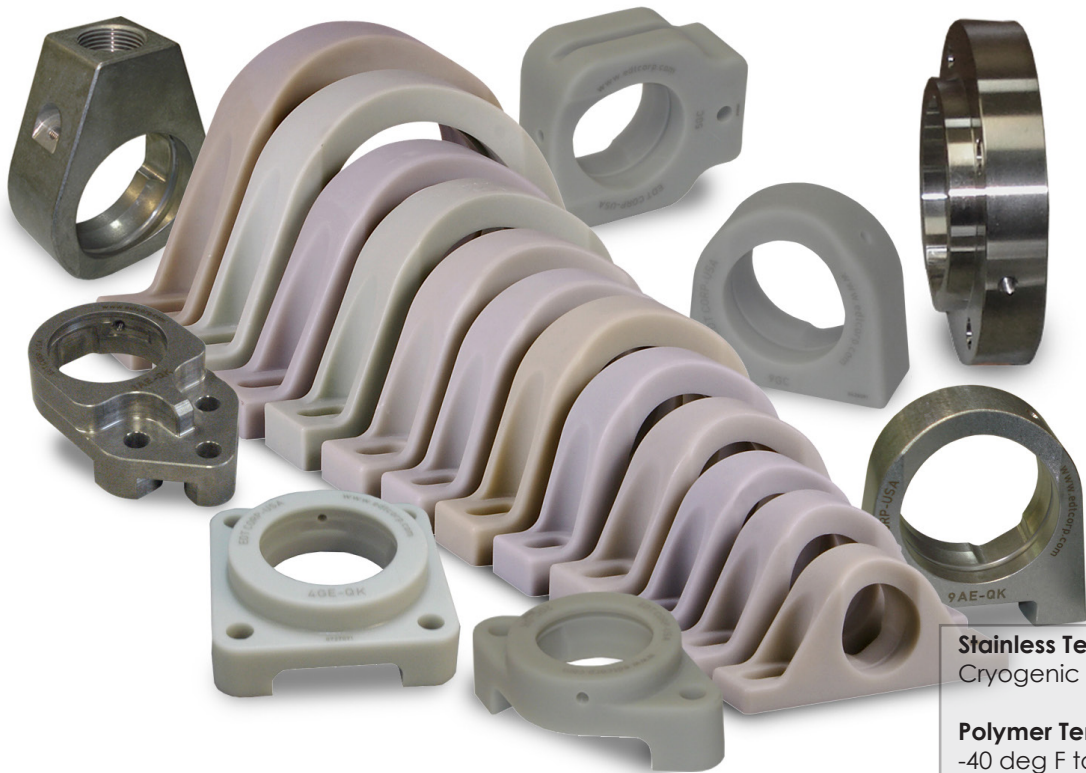
ZA237.3A
 QF247F
 ZAH248H or ZAH248G (depending on peeler model)
 PATUPB-01 tool enables bearing replacement (reuse housing)



Bearings For Severe Service Environments



STAINLESS AND POLYMER SOLUTION[®] HOUSINGS



Stainless Temp Range:
Cryogenic to +1000 deg F

Polymer Temp Range:
-40 deg F to 150 deg F

EDT Solution[®] housings: Sanitary, non-corrosive, and durable



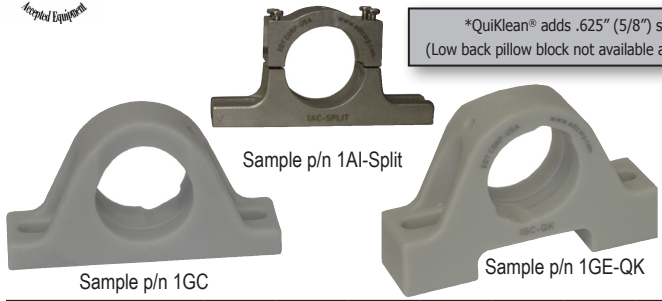
- USDA accepted
- Smooth surfaces, few crevices for maximum cleanability
- Ideal for HACCP/HARPC programs
- Accepts most insert bearings, including Poly-Round[®] and Poly-Round[®] Plus, All-Round[®], ball bearings and other bearing manufacturers' products
- Available in most styles and sizes (standard and metric), 1/2" - 3-7/16"
- Direct interchange with industry-standard self-aligning mounted bearings
- Housing can be reused many times
- Includes stainless grease fitting and setscrew
- QuiKlean[®] housings: One-piece integral standoff increases accessibility for cleaning



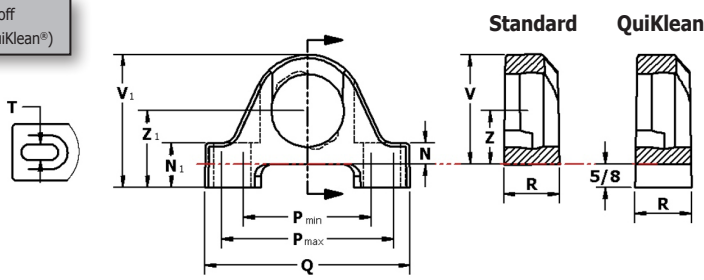


Pillow Block

Polymer or Stainless Standard Backing Height ("1" Series) and Low Backing Height ("10" Series) Pillow Block



*QuiKlean® adds .625" (5/8") standoff
(Low back pillow block not available as QuiKlean®)



x = Shaft Size			mm∅ Inch∅ Ring Group	"1" Series			"10" Series			P		N	V	R		U		T	DoubleLock® Sleeve		
				Z	p/n	Wt. in lbs.	Z	p/n	Wt. in lbs.	Q	Min			Max	N1*	V1*	KG	SS	KG	SS	Bolt size
mm	in	16 ^{ths}		in	KG	SS	in	KG	SS	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
12	1/2	8	40	1.06	1GA	.2				5	2.94	4.06	.44	2.25	1.25	1.13	.62	.57	3/8	.44	1.49
	9/16	9	1.575	27.0	1AA	.7	--	--	--	127.0	74.6	103.2	11.1	57.2	31.8	28.6	15.8	14.5		11.2	38
	5/8	10	203	1.69	1GA-QK								1.06	2.87							
	11/16	11	A	42.9									26.9	72.9							
12	1/2	8	47	1.31	1GB	.3	1.25	10GB	.3	5.25	3.25	4.38	.50	2.69	1.38	1.13	.57	.57	3/8	.50	1.63
	9/16	9	1.850	33.3	1AB	1.2	31.8	10AB	1.0	133.4	82.6	111.1	12.7	68.3	34.9	28.6	14.5	14.5		12.7	41
	5/8	10	204	1.94	1GB-QK			N/A	--				1.13	3.31							
	11/16	11	B	49.2									28.6	84.1							
	3/4	12	52	1.44	1GC	.41	1.31	10GC	.4	5.5	3.44	4.63	.56	2.94	1.50	1.13	.75	.57	3/8	.50	1.75
	13/16	13	2.047	36.5	1AC	1.3	33.3	10AC	1.1	139.7	87.3	117.5	14.3	74.6	38.1	28.6	18.0	14.5		12.7	44
	7/8	14	205	2.06	1GC-QK			N/A	--				1.19	3.56							
	15/16	15	C	52.4	1AC-QK								30.2	90.5							
	1	16	62	1.69	1GD	.5	1.56	10GD	.5	6.25	4.13	5.13	.69	3.38	1.75	1.50	.88	.76	1/2	.50	2.0
	1-1/16	17	2.441	42.9	1AD	2.4	39.7	10AD	2.3	158.7	104.8	130.2	17.5	85.7	44.5	38.1	22.4	19.3		12.7	50
	1-1/8	18	206	2.31	1GD-QK			N/A	--				1.31	4.0							
	1-3/16	19	D	58.7									33.3	101.6							
	1-1/4	20	72	1.88	1GE	.7	1.81	10GE	.7	6.56	4.69	5.44	.69	3.88	1.75	1.50	.93	.74	1/2	.50	2.25
	1-1/4	20	2.835	47.6	1AE	2.9	46.0	10AE	2.9	166.7	119.1	138.1	17.5	98.4	44.5	38.1	23.6	18.8		12.7	57
	1-5/16	21	207	2.50	1GE-QK			N/A	--				1.31	4.50							
	1-3/8	22	E	63.5									33.3	114.3							
	1-7/16	23	80	2.13	1GF	.9	1.94	10GF	.8	7.25	5	6.13	.75	4.31	1.94	1.63	.97	.81	1/2	.50	2.38
	1-1/2	24	3.150	54.0	1AF	4.2	49.2	10AF	3.7	184.2	127.0	155.6	19.1	109.5	49.2	41.3	24.6	20.6		12.7	60
	1-9/16	25	208	2.75	1GF-QK			N/A	--				1.38	4.94							
	1-5/8	26	F	69.9									34.9	125.4							
	1-1/2	24	85	2.13	1GG	.9	2.06	10GG	.9	7.44	5.31	6.31	.75	4.38	2	1.75	1.0	.86	1/2	.63	2.75
	1-11/16	27	3.346	54.0	1AG	4.8	52.4	10AG	4.5	188.9	134.9	160.3	19.1	111.1	50.8	44.5	25.4	21.8		15.9	70
	1-3/4	28	209	2.25	1GG-QK			N/A	--				.75	4.38							
	1-11/16	27	90	2.25	1GH	1.4	2.19	10GH	1.3	8.13	5.88	6.75	.75	4.63	2.25	2	1.1	.99	5/8	.63	3
	1-13/16	29	3.543	57.2	1AH	6.1	55.6	10AH	5.8	206.4	149.2	171.5	19.1	117.5	57.2	50.8	27.9	25.2		15.9	76
	1-7/8	30	210	2.25	1GH-QK			N/A	--				.75	4.63							
	1-15/16	31	H	63.5									19.1	117.5							
	2	32	100	2.50	1GI	1.5	2.44	10GI	1.5	8.88	6.38	7.50	.88	5.13	2.38	2	1.17	.99	5/8	.63	3.25
	1-15/16	31	3.937	63.5	1AI	7.2	61.9	10AI	7.1	225.4	161.9	190.5	22.2	130.2	60.3	50.8	29.7	25.2		15.9	83
	2-3/16	34	211	2.75	1GI-QK			N/A	--				.88	5.50							
	2-1/4	36	I	69.9									22.2	139.7							
	2-3/16	35	110	2.75	1GJ	1.8	2.69	10GJ	1.6	9.5	6.44	8.13	.88	5.50	2.50	2	1.25	.99	5/8	.63	3.4
	2-1/4	36	4.331	69.9	1AJ	8.5	68.3	10AJ	8.0	241.3	163.5	206.4	22.2	139.7	63.5	50.8	31.2	25.2		15.9	86
	2-5/16	37	212	3.0	1GK	2.4	3.13	10GK	2.4	10.75	7.44	9.13	.94	6.25	2.75	2	1.34	.99	5/8	.75	3.8
	2-3/8	38	J	69.9									23.8	158.7							
	2-7/16	39	125	3.0	1GK-QK			N/A	--				.94	6.25							
	2-1/2	40	4.921	76.2	1AK	9.7	79.4	10AK	9.0	273.1	188.9	231.8	23.8	158.7	69.9	50.8	34.0	25.2	3/4	.75	3.8
	2-5/8	42	214	3.50	1GL	3.2	3.25	10GL	3.2	11.75	8.25	9.75	1	6.88	2.75	2	1.4	1.24	7/8	.75	4.13
	2-11/16	43	K	88.9									23.8	158.7							
	2-3/4	44	130	3.50	1GL-QK			N/A	--				1	6.88							
	2-13/16	45	5.118	88.9	1AL	16.1	82.5	10AL	15.5	298.5	209.6	247.7	25.4	174.6	73.0	50.8	35.6	31.5		19.1	105
	2-7/8	46	215	3.50	1GM	3.0	--	--	--	11.75	8.25	9.75	1	6.88	2.88	2	1.4	1.24	7/8	.75	4.7
	2-15/16	47	5.511	88.9	1AM	15.9	--	--	--	298.5	209.6	247.7	25.4	174.6	73.0	50.8	35.6	31.5		19	120
	3	48	216	4	--	--	--	--	--	14	10.3	11.63	1.94	8	--	--	--	1.11	7/8	.75	4.1
	3-1/8	50	M	101.6						355.6	261.6	295.4	49.3	203.2				28.2		19	104.1
	3-1/2	56	O																		



Tapped Base Pillow Block

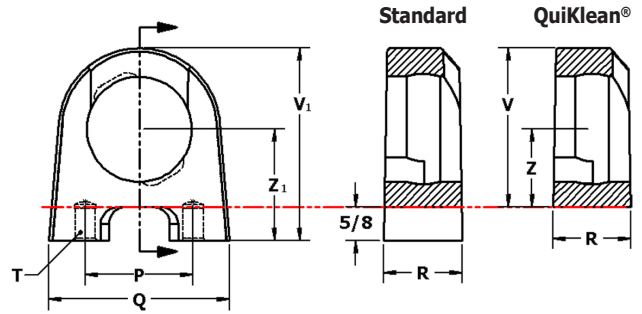
Polymer or Stainless "9" Series Tapped Block



Sample p/n 9AE-QK



Sample p/n 9GE



*QuiKlean® adds .625" (5/8") standoff

x = Shaft Size			mm∅ Inch∅ Ring Group	Stainless (SS)			Polymer (KG)			Z	P	T	Q	U		DoubleLock® Sleeve	
				R	V	Vt*	Wt. in lbs.	Housing p/n	R					V	Vt*	Wt. in lbs.	Zt*
mm	in	16ths		Housing p/n	in mm	in mm		Housing p/n	in mm	in mm		in mm	in mm	in mm	in mm	in mm	in mm
12	1/2	8	40	9AA	1.13	2.46	1.0	9GA	1.12	2.46	.2	1.31					
15	5/8	9	1.575		28.6	61.1			28.4	62.5		33.3	2				
17	11/16	11	203	9AA-QK		3.08	1.1	9GA-QK		3.25	.4	1.94	50.8	3/8 - 16	3	.56	.44
			A			78.2				82.6		49.2			76.2	14.2	11.2
12	1/2	8	47	9AB	1.13	2.58	1.0	9GB	1.12	2.58	.25	1.31					
15	5/8	9	1.850		28.6	64.3			28.4	66.7		33.3	2				
17	11/16	11	204	9AB-QK		3.2	1.2	9GB-QK		3.2	.3	1.94	50.8	3/8 - 16	3.07	.56	.50
20	3/4	12	B			81.3				81.3		49.2			78.0	14.2	12.7
25	3/4	12	52	9AC	1.13	2.94	1.2	9GC	1.14	2.94	.3	1.44					
	13/16	13	2.047		28.6	74.6			28.9	74.6		36.5	2				
	7/8	14	205	9AC-QK		3.45	1.4	9GC-QK		3.45	.35	2.06	50.8	3/8 - 16	3	.56	.50
	15/16	15	C			90.5				90.5		52.4			76.2	14.2	12.7
30	1	16	62	9AD	1.5	3.25	2.2	9GD	1.63	3.38	.4	1.69					
	1-1/16	17	2.441		38.1	82.5			41.3	85.7		42.9	3				
	1-1/8	18	206	9AD-QK		4	2.5	9GD-QK		4	.5	2.31	76.2	7/16 - 14	4.25	.81	.74
	1-3/16	19	D			101.6				101.6		58.7			108.0	20.6	18.8
	1-1/4	20															
35	1-3/16	19	72	9AE	1.5	3.69	2.7	9GE	1.75	3.88	.6	1.55					
	1-1/4	20	2.835		38.1	93.7			44.5	98.4		47.6	3.25				
	1-5/16	21	207	9AE-QK		4.3	3.2	9GE-QK		4.5	.7	2.5	82.6	1/2 - 13	4.5	.88	.74
	1-3/8	22	E			109.2				114.3		63.5			114.3	22.4	18.8
	1-7/16	23															
40	1-7/16	23	80	9AF	1.63	4.12	3.2	9GF	1.88	4.13	.7	1.94					
	1-1/2	24	3.150		41.3	104.8			47.6	104.8		49.2	3.5				
	1-9/16	25	208	9AF-QK		4.75	3.8	9GF-QK		4.75	.9	2.56	88.9	1/2 - 13	4.75	.93	.81
	1-5/8	26	F			120.6				120.6		65.1			120.7	23.6	20.6
45	1-1/2	24	85	9AG	1.75	4-1/4		9GG	2	4.38	.8	2.12					
	1-5/8	26	3.346		44.5	108.0			50.8	111.1		54.0	3.75				
	1-11/16	27	209										95.3	1/2 - 13	5.25	.98	.86
	1-3/4	28	G												133.4	24.9	21.8
50	1-11/16	27	90	9AH	2	4-1/2	5.5	9GH	2.12	4.75	1.1	2.25					
	1-3/4	28	3.543		50.8	114.3			54	120.7		57.2	4				
	1-13/16	29	210										101.6	5/8 - 11	5.75	1.1	.98
	1-7/8	30	211												146.1	28.0	25.0
	1-15/16	31	H														
	2	32															
55	1-15/16	31	100	9AI	2	4-23/32	6.0	9GI	2.12	4.75	1.0	2.25					
	2	32	3.937		50.8	119.9			54	120.7		57.2	4				
	2-1/16	33	211										101.6	5/8 - 11	5.75	1.1	.98
	2-1/8	34	I												146.1	28.0	25.0
	2-3/16	35															
	2-1/4	36															
60	2-3/16	35	110	9AJ	2	5-3/8	6.3	--	--	--	--	2.75					
	2-1/4	36	4.331		50.8	136.5						69.9	4.25				
	2-5/16	37	212										108.0	5/8 - 11	6.5	1.1	.98
	2-3/8	38	J												165.1	28.0	25.0
	2-7/16	39															
70	2-7/16	39	125	9AK	2	6-1/16	7.0	--	--	--	--	3					
	2-1/2	40	4.921		50.8	154.0						76.2	5				
	2-5/8	42	214										127.0	3/4 - 10	7.5	1.1	.98
	2-11/16	43	K												190.5	28.0	25.0
	2-3/4	44															
75	2-11/16	43	130	9AL	2	6-3/4	7.5	--	--	--	--	3.5					
	2-3/4	44	5.118		50.8	171.5						88.9	5.25				
	2-13/16	45	215										133.4	7/8 - 9	8	1.1	.98
	2-7/8	46	L												203.2	28.0	25.0
	2-15/16	47															
	3	48															



2-Bolt Flange

Polymer or Stainless "2" Series Flange Housing

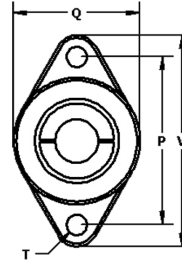


Sample p/n 2AE

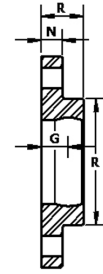


Sample p/n 2GC-QK

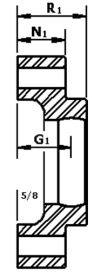
*QuiKlean® adds .625" (5/8") standoff & LTB



Poly-Round®



Standard



QuiKlean®

x = Shaft Size			mm∅ Inch∅ Ring Group	Stainless (SS)			Polymer (KG)			P	V	T	G	R	N	DoubleLock® Sleeve	
				Housing p/n	Q in mm	Wt. in lbs.	Housing p/n	Q in mm	Wt. in lbs.				G ₁ *	R ₁ *	N ₁ *	F	K
12	1/2	8	40	2AA	2.15	.5	2GA	2.15	.1	3	3.88	3/8	.53 13.4	.85 24.1	.44 11.1	.44	1.49
15	9/16	9	1.575	2AA-QK	54.6	.6	2GA-QK	54.6	--	76.2	98.4	3/8	1.15	1.48	1.06	.44	1.49
17	5/8	10	203		29.3								37.6	27.1	11.2		
12	1/2	8	47	2AB	2.42	.7	2GB	2.69	.2	3.53	4.41	3/8	.59 15	.95 24.1	.44 11.1	.50	1.63
15	5/8	10	1.850	2AB-QK	61.5	.9	2GB-QK	68.3	.2	89.7	112	3/8	1.22	1.56	1.06	.50	1.63
17	11/16	11	204		30.8								39.7	26.9	12.7		
20	3/4	12	52	2AC	2.66	1.0	2GC	2.94	.2	3.89	4.89	7/16	.63 16	1 25.4	.50 12.7	.50	1.75
25	7/8	13	2.047	2AC-QK	67.5	1.3	2GC-QK	74.6	.2	98.8	124.2	7/16	1.26	1.62	1.12	.50	1.75
15/16	1	15	205		3.19								41.2	28.6	12.7		
30	1	16	62	2AD	3.12	1.5	2GD	3.63	.3	4.6	5.69	7/16	.66 16.7	1.06 27.0	.50 12.7	.50	2
1-1/16	17	18	2.441	2AD-QK	79.4	1.9	2GD-QK	92.1	.4	116.7	142.1	7/16	1.29	1.68	1.12	.50	2
1-3/16	19	19	206		32.6								42.8	28.6	12.7		
35	1-3/16	19	72	2AE	3.62	2.0	2GE	4	.4	5.12	6.25	1/2	.79 20.1	1.22 31.0	.56 14.3	.50	2.25
1-1/8	20	20	2.835	2AE-QK	92.1	2.5	2GE-QK	101.6	.5	130.2	158.7	1/2	1.42	1.84	1.18	.50	2.25
1-5/16	21	21	207		35.9								46.8	30.2	12.7		
40	1-7/16	22	80	2AF	4	2.5	2GF	4.56	.6	5.66	6.78	1/2	.76 19.3	1.24 27.4	.56 14.3	.50	2.38
1-9/16	23	24	3.150	2AF-QK	101.6	2.9	2GF-QK	115.9	--	143.7	172.2	1/2	1.39	1.68	1.18	.50	2.38
1-5/8	25	25	208		35.1								42.8	30.2	12.7		
45	1-1/2	24	85	2AG	4.25	2.9	2GG	4.75	.6	5.84	6.97	1/2	.76 19.3	1.24 27.4	.63 15.9	.63	2.75
1-11/16	26	27	3.346	2AG	108.0	2.9	2GG	120.7	.6	148.4	177.0	1/2	1.24	1.68	1.18	.63	2.75
1-3/4	28	28	209		27.4								42.8	30.2	15.9		
50	1-11/16	27	90	2AH	4.56	3.2	2GH	5.06	.7	6.19	7.31	1/2	.77 19.6	1.24 27.4	.63 15.9	.63	3
1-13/16	28	29	3.543	2AH	115.9	3.2	2GH	128.6	.7	157.2	185.7	1/2	1.24	1.68	1.18	.63	3
1-7/8	30	30	210		27.4								42.8	30.2	15.9		
55	1-15/16	31	100	2AI	5.06	4.8	2GI	5.88	1.1	7.25	8.63	5/8	.92 23.4	1.47 37.3	.69 17.5	.63	3.25
2	31	32	3.937	2AI	128.6	4.8	2GI	149.2	1.1	184.2	219.1	5/8	1.47	1.65	1.18	.63	3.25
2-1/16	32	33	211		37.3								42.1	17.5	15.9		
60	2-3/16	35	110	2AJ	5.62	6.4	2GJ	6.56	1.6	7.95	9.33	5/8	1.07 27.2	1.65 42.1	.69 17.5	.63	3.4
2-1/4	36	36	4.331	2AJ	142.9	6.4	2GJ	161.9	1.6	202.0	236.9	5/8	1.65	1.87	1.18	.63	3.4
2-5/16	37	38	212		42.1								47.6	17.5	15.9		
70	2-7/16	39	125	2AK	6.44	3.5	2GK	6.94	1.7	8.31	9.69	5/8	1.25 31.8	1.87 47.6	.75 19.1	.75	3.8
2-1/2	40	40	4.921	2AK	163.5	3.5	2GK	176.2	1.7	211.1	246.1	5/8	1.87	2	1	.75	3.8
2-5/8	42	42	214		47.6								50.8	25.4	19.1		
75	2-11/16	43	130	2AL	6.5	9.5	2GL	6.94	1.8	8.5	10.13	3/4	1.38 35.1	2 50.8	1 25.4	.75	4.13
2-3/4	44	44	5.118	2AL	165.1	9.5	2GL	176.2	1.8	215.9	257.2	3/4	35.1	50.8	25.4	.75	4.13
2-7/8	45	45	215		19.1								105				
2-15/16	46	46	5.118	2AL	165.1	9.5	2GL	176.2	1.8	215.9	257.2	3/4	35.1	50.8	25.4	.75	4.13
3	47	47	216		19.1								105				
2-15/16	48	48	5.118	2AL	165.1	9.5	2GL	176.2	1.8	215.9	257.2	3/4	35.1	50.8	25.4	.75	4.13
3	48	48	216		19.1								105				



Small Pattern 2-Bolt Flange

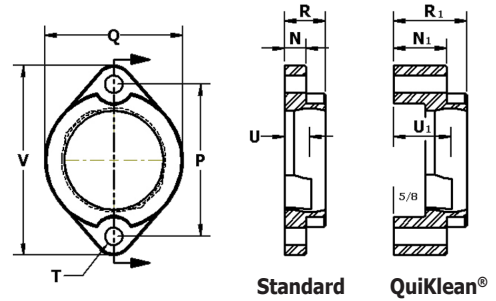
Polymer or Stainless "6" Series Small Pattern 2-Bolt Housing



Sample p/n 6AB



Sample p/n 6GB



Standard

QuiKlean®

*QuiKlean® adds .625" (5/8") standoff & LTB

x = Shaft Size			mm∅ Inch∅ Ring Group	Stainless (SS)		Polymer (KG)		P	V	T	R	N	Z	Q	N	DoubleLock® Sleeve	
mm	in	16 ^{ths}		Housing p/n	Wt. in lbs.	Housing p/n	Wt. in lbs.									in mm	in mm
12	1/2	8	40 1.575 203 A	6AA	.4	6GA	.06	2.5 63.5	3.18 81.0	1/4	.69 17.5	.38 9.5	.42 10.7	2.09 53.2	.44 11.2	.44 11.2	1.49 38
15	9/16	9															
17	5/8	10															
17	11/16	11	47 1.850 204 B	6AB	.5	6GB	.08	2.81 71.4	3.56 90.5	5/16	.87 22.2	.42 10.7	.50 12.7	2.42 61.4	.50 12.7	.50 12.7	1.63 41
12	1/2	8															
15	9/16	9															
17	5/8	10															
20	3/4	12	52 2.047 205 C	6AC	.7	6GC	.13	3 76.2	3.75 95.2	5/16	.81 20.6	.42 10.7	.50 12.7	2.72 69.1	.50 12.7	.50 12.7	1.75 44
12	13/16	13															
15	7/8	14															
25	15/16	15	62 2.441 206 D	6AD	1.7	6GD	.15	3.56 90.5	4.43 112.7	3/8	.96 24.6	.46 11.9	.56 14.3	3.09 78.6	.56 14.2	.50 12.7	2 50
1	1-1/16	17															
30	1-1/8	18															
30	1-3/16	19															
35	1-1/4	20	72 2.835 207 E	6AE	1.1	6GE	.16	3.94 100.0	4.74 125.4	3/8	.84 21	.50 12.7	.56 14.3	3.50 88.9	.56 14.2	.50 12.7	2.25 57
1-3/16	19	19															
35	1-7/16	23		6AE-QK	1.5	6GE-QK	.2					1.5 38.1	1.12 28.5	1.18 30.2			

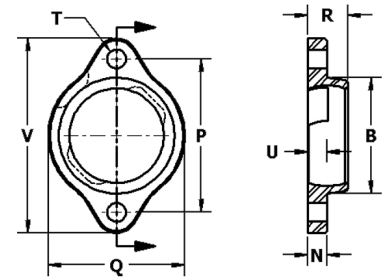
Piloted 2-Bolt Flange

Stainless "6-SP" Series Piloted Small Pattern 2-Bolt Housing

Square bolt holes are available
*Indicated in part number as suffix '_Q'
Call for price and lead time



Sample p/n 6AB-SP



x = Shaft Size			mm∅ Inch∅ Ring Group	Stainless (SS)		P	V	T	R	N	Q	B	DoubleLock® Sleeve	
mm	in	16 ^{ths}		Housing p/n	Wt. in lbs.								in mm	in mm
12	1/2	8	47 1.850 204 B	6AB-SP	.4	2.81 71.4	3.56 90.5	5/16	.73 18.5	.35 8.9	2.50 63.5	2.12 53.8	.50 12.7	1.63 41
15	9/16	9												
17	5/8	10												
20	3/4	12												
25	3/4	12	52 2.047 205 C	6AC-SP	.48	3 76.2	3.75 95	5/16	.78 19.8	.42 10.7	2.72 69.1	2.34 59.4	.50 12.7	1.75 44
12	13/16	13												
15	7/8	14		6AC-SP-Q*										



4-Bolt Flange

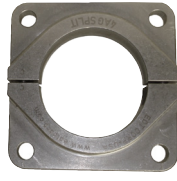
Polymer or Stainless "4" Series 4-Bolt Flange Housing



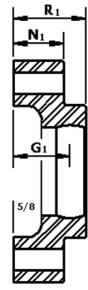
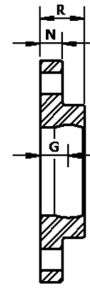
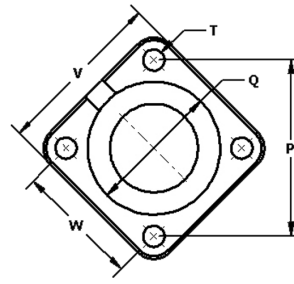
Sample p/n
4GE-QK



Sample p/n 4AE



Sample p/n
4AG-SPLIT



Standard

QuiKlean®

*QuiKlean® adds .625" (5/8") standoff & LTB

x = Shaft Size			mm Inch Ring Group	Stainless (SS)			Polymer (KG)			W	V	P	T	G	R	N	DoubleLock® Sleeve	
				Housing p/n	Q in mm	Wt. in lbs.	Housing p/n	Q in mm	Wt. in lbs.								F	K
mm	in	16ths							in mm	in mm	in mm	Bolt size	in mm	in mm	in mm	in mm	in mm	
12	1/2	8	40	4AA	.8	4GA	2.15	.2	2.12	3	3	3/8	.53	.85	.43	.44	1.49	
15	9/16	9	1.575		2.15		2.15		54.0	76.2	76.2		13.5	21.4	11.1	11.2	38	
17	5/8	10	203		54.6		54.6						1.15	1.44	1.06			
	11/16	11	A	4AB	1.5	4GB	2.68	.3	2.5	3.37	3.54	3/8	29.2	37.4	27			
12	1/2	8	47	4AB	2.42	4GB	68.1	.3	63.5	85.7	89.9	3/8	15.1	23.8	11.1	.50	1.63	
15	9/16	9	1.850		61.5		68.1						1.22	1.57	1.06	12.7	41	
17	5/8	10	204										30.6	39.9				
20	3/4	12	B	4AC	1.7	4GC	2.93	.4	2.75	3.75	3.89	7/16	.63	1	.5	.50	1.75	
12	13/16	12	52	4AC	2.66	4GC	74.4	.4	69.9	95.3	98.8	7/16	16.7	25.4	12.7	12.7	44	
13	7/8	14	2.047		67.6		74.4						1.26	1.63	1.12			
15	15/16	15	205										32					
25	1	16	C	4AD	2.2	4GD	3.62	.5	3.25	4.25	4.59	7/16	.66	1.07	.5	.50	2.0	
1	1-1/16	17	62	4AD	3.12	4GD	91.9	.5	82.6	108.0	116.6	7/16	16.7	27.0	12.7	12.7	50	
1-1/8	1-3/16	18	2.441		79.2		91.9						1.28	1.69	1.12			
30	1-3/16	19	206										32					
1	1-1/4	20	D	4AE	3.2	4GE	4.0	.6	3.62	4.75	5.13	1/2	.79	1.22	.56	.50	2.25	
1-3/16	1-1/4	20	72	4AE	3.62	4GE	101.6	.6	92.1	120.7	130.3	1/2	20.1	31.0	14.3	12.7	57	
1-5/16	21	21	2.835		91.9		101.6						1.42	1.85	1.19			
1-3/8	22	22	207										36					
35	1-7/16	23	E	4AF	4.2	4GF	4.56	.6	4	5.12	5.66	1/2	.77	1.24	.56	.50	2.38	
1-7/16	1-1/2	24	80	4AF	4	4GF	115.8	.6	101.6	130.2	143.7	1/2	19.5	31.8	14.3	12.7	60	
1-1/2	1-9/16	25	3.150		101.6		115.8						1.39	1.86	1.18			
40	1-5/8	26	208										35.4	47.2	30			
1-1/2	1-5/8	26	85	4AG	4.5	4GG	4.74	.8	4.12	5.25	5.83	1/2	.76	1.24	.62	.63	2.75	
1-11/16	1-11/16	27	3.346		108		120.4						19.5	31.8	15.9	15.9	70	
45	1-3/4	28	209															
1-11/16	1-3/4	28	90	4AH	4.56	4GH	5.06	.9	4.37	5.5	6.19	1/2	.77	1.24	.62	.63	3	
1-13/16	1-7/8	30	3.543		115.8		128.5						19.6	31.8	15.9	15.9	76	
50	1-15/16	31	210															
1	1-15/16	31	2	4AI	5.06	4GI	5.87	1.5	5.12	6.5	7.25	5/8	.92	1.47	.69	.63	3.25	
1-1/8	2-1/16	33	100		128.5		149.1						23.5	37.3	17.5	15.9	83	
55	2-1/8	34	3.937															
2-3/16	2-1/8	35	211															
2-1/4	2-1/4	36	I	4AJ	11.2	4GJ	6.56	2.0	5.62	7	7.96	5/8	1.07	1.66	.69	.63	3.4	
2-3/16	2-1/4	36	110	4AJ	5.62	4GJ	166.6	2.0	142.9	177.8	202.8	5/8	27.1	42.1	17.5	15.9	86	
2-5/16	37	37	4.331		142.7		166.6											
2-3/8	38	38	212															
60	2-7/16	39	J	4AK	12.2	4GK	6.94	2.1	5.87	7.25	8.31	5/8	1.25	1.86	.75	.75	3.8	
2-7/16	2-1/2	40	125	4AK	6.44	4GK	176.3	2.1	149.2	184.2	211	5/8	31.8	47.6	19.1	19.1	96	
2-1/2	2-5/8	42	4.921		163.6		176.3											
70	2-11/16	43	214															
2-3/4	2-11/16	43	130	4AL	6.5	4GL	6.94	2.6	6	7.62	8.49	3/4	1.38	1.98	1	.75	4.13	
2-11/16	2-3/4	44	5.118		165.1		176.3						35.2	50.8	25.4	19.1	105	
2-13/16	2-7/8	45	215															
75	2-15/16	47	L	4AM	14.6	4GM	6.94	2.5	6	7.62	8.49	3/4	1.38	1.98	1	.75	4.5	
2-11/16	2-3/4	44	140	4AM	6.5	4GM	176.3	2.5	152.4	193.7	215.6	3/4	35.7	50.8	25.4	19.1	114.3	
2-3/4	2-7/8	46	5.511		14.6		176.3											
80	2-15/16	47	216															
3	3	48	M	4AO	15.0				6.75	8.37	9.55	3/4	1.25	1.98	1	.75	4.1	
3-1/8	3-1/8	50	160	4AO	7.75				171.4	212.6	242.6	3/4	31.8	50.8	25.4	19.1	104.1	
3-3/16	2-3/4	44	6.299		196.9													
90	2-15/16	47	218															
3-1/4	3-7/16	55	O															
3-1/2	3-1/2	56																



Small Pattern 4-Bolt

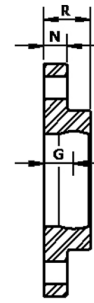
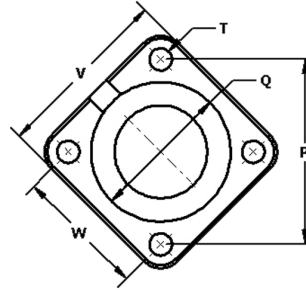
Polymer or Stainless "4^A-01" Series 4-Bolt Flange Housing



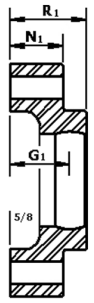
Sample p/n 4AC-01



Sample p/n 4GC-01-QK



Standard



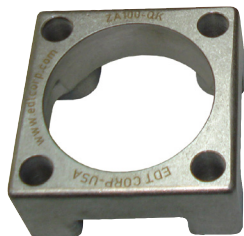
QuiKlean®

*QuiKlean® adds .625" (5/8") standoff & LTB

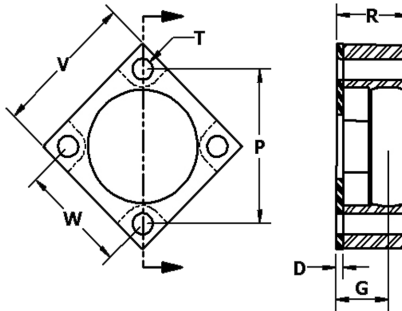
x = Shaft Size			mm∅ Inch∅ Ring Group	Stainless (SS)		Polymer (KG)		W	V	P	T	Q	G*	R	N	DoubleLock® Sleeve	
				Housing p/n	Wt. in lbs.	Housing p/n	Wt. in lbs.						G ₁ *	R ₁ *	N ₁ *	F	K
mm	in	16 ^{ths}					in mm	in mm	in mm	Bolt size	in mm	in mm	in mm	in mm	in mm	in mm	in mm
3/4	12		52 2.047 205 C	4AC-01	1	4GC-01	.2					.66	.99	.25			
13/16	13						2.25	3.13	5.06	3/8	2.75	17.7	25.1	6.4			
7/8	14			4AC-01-QK		4GC-01-QK	.3	57.15	79.4	128.6	70	1.29	1.62	.88	.50	1.75	44
25	15/16	1	16									32.8	41.1	22.4			

"Breeder Bearing"

Stainless "ZA100" QuiKlean® housing is exclusive to EDT
Specially designed to retrofit into most popular breading equipment



Sample p/n ZA100-QK



x = Shaft Size			mm∅ Inch∅ Ring Group	Stainless (SS)		W	V	P	T	G	R	D
				Housing p/n	Wt. in lbs.							
mm	in	16 ^{ths}			in mm	in mm	in mm	Bolt size	in mm	in mm	in mm	
25	3/4	12	52 2.047 205 C	ZA100-QK	.6	1.87	2.5	2.65	5/16	.93	1.28	.13
1	16											



Piloted 4-Bolt Flange

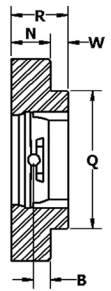
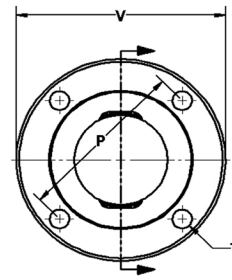
Polymer or Stainless "24" Series Piloted 4-Bolt Housing



Sample p/n 24AE



Sample p/n 24GE



x = Shaft Size			mm∅ Inch∅ Ring Group	15.4 Stainless (SS)		Polymer (KG)		P	V	W	R	N	B	Q	T	DoubleLock® Sleeve	
mm	in	16 ^{ths}		Housing p/n	Wt. in lbs.	Housing p/n	Wt. in lbs.	in mm	in mm	in mm	in mm	in mm	in mm	in mm	Bolt Size	F	K
12	1/2	8	40 1.575 203 A	--	--	--	--	--	--	--	--	--	--	--	--	--	--
15	9/16	9		--	--	--	--	--	--	--	--	--	--	--	--	--	--
17	5/8	10		--	--	--	--	--	--	--	--	--	--	--	--	--	--
17	11/16	11		--	--	--	--	--	--	--	--	--	--	--	--	--	--
12	1/2	8	47 1.850 204 B	--	--	--	--	--	--	--	--	--	--	--	--	--	--
15	9/16	9		--	--	--	--	--	--	--	--	--	--	--	--	--	--
17	5/8	10		--	--	--	--	--	--	--	--	--	--	--	--	--	--
20	3/4	12		--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/4	12	13	52 2.047 205 C	24AC	2.5	24GC	.6	3.63 92.1	4.38 111.1	.38 9.5	1.19 30.1	.88 22.2	11.34 8.7	3 76.2	3/8	.50 12.7	1.75 44
13/16	13	14															
7/8	14	15															
15/16	15	16															
1	16	17	62 2.441 206 D	24AD		24GD	.6	3.63 92.1	4.38 111.1	.38 9.5	1.25 31.7	.88 22.2	.34 8.7	3 76.2	3/8	.50 12.7	2.0 50
1-1/16	17	18															
1-1/8	18	19															
1-3/16	19	20															
1-3/16	19	20	72 2.835 207 E	24AE	3.5	24GE	.7	4.13 104.8	5 127.0	.38 9.5	1.25 31.7	.88 22.2	.34 8.7	3.38 85.7	7/16	.50 12.7	2.25 57
1-1/4	20	21															
1-5/16	21	22															
1-3/8	22	23															
1-7/16	23	24	80 3.150 208 F	24AF	3.6	24GF	.8	4.38 111.1	5.25 133.4	.44 11.1	1.44 36.5	.88 22.2	.34 8.7	3.63 92.1	7/16	.50 12.7	2.38 60
1-1/2	24	25															
1-9/16	25	26															
1-5/8	26	27															
1-1/2	24	26	85 3.346 209 G	24AG	3.2	24GG	.7	4.38 111.1	5.25 133.4	.44 11.1	1.44 36.5	.88 22.2	.34 8.7	3.63 92.1	1/2	.63 15.9	2.75 70
1-5/8	26	27															
1-11/16	27	28		24AG/DSC	5.0	24GG/DSC	.7	4.75 120.65	5-3/4 146.1					4 101.6	1/2		
1-3/4	28	29															
1-11/16	27	28	90 3.543 210 H	24AH	5.5	24GH	.8	5.13 130.2	6.13 155.6	.63 15.9	1.50 38.1	.88 22.2	.23 6.0	4.25 108.0	1/2	.63 15.9	3.0 76
1-3/4	28	29															
1-13/16	29	30															
1-7/8	30	31															
1-15/16	31	32	100 3.937 211 I	24AI	5.6	24GI	.85	5.38 136.5	6.38 161.9	.63 15.9	1.50 38.1	.88 22.2	.19 4.7	4.25 114.3	1/2	.63 15.9	3.25 83
2	32	33															
1-15/16	31	32															
2-1/16	33	34															
2-1/8	34	35	110 4.331 212 J	24AJ	8.2	24GJ	1.2	6 152.4	7.13 180.9	.88 22.2	1.88 47.6	1 25.4	.19 4.7	5 127	9/16	.63 15.9	3.4 86
2-3/16	35	36															
2-5/16	37	38															
2-3/8	38	39															
2-7/16	39	40	125 4.921 214 K	24AK	9.0	24GK	1.0	6.5 165.1	7.63 193.7	1 25.4	2 50.8	1 25.4	.11 2.7	5.50 132.1	9/16	.75 19.1	3.8 96
2-1/2	40	41															
2-5/8	42	43															
2-11/16	43	44															
2-3/4	44	45	130 5.118 215 L	24AL	15.6	24GL	2.4	7.5 190.5	8.75 222.2	1.13 28.6	2.13 54.0	1 25.4	.13 3.1	6.38 161.9	11/16	.75 19.1	4.13 105
2-11/16	43	44															
2-3/4	44	45															
2-13/16	45	46															
2-7/8	46	47	140 5.511 216 M	24AM	15.4	24GM	2.0	7.5 190.5	8.75 222.2	1.13 28.6	2.13 54.0	1 25.4	.13 3.1	6.38 161.9	11/16	.75 19.1	4.45 113
2-3/4	44	45															
2-7/8	46	47															
2-15/16	47	48															
3	48	49															
3-1/8	50	51															
3-3/16	51																

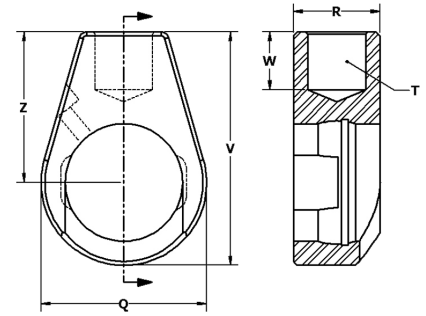


Hanger

Stainless "8" Series Housing



Sample p/n 8AE-01



x = Shaft Size			mm Inch Ring Group	T Thread	Stainless (SS)		Z in mm	V in mm	Q in mm	R in mm	W in mm	DoubleLock® Sleeve	
					Housing p/n	Wt. in lbs.						F in mm	K in mm
12	1/2	8	40	1/2 - 14 NPSM	8AA	.8	1.88 47.6	2.94 74.6	2.13 54.0	1.19 30.2	.63 15.9	0.44 11.2	1.49 38
15	9/16	9	1.575	5/8 - 11 UNC	8AA-01								
17	5/8	10	203	M12 x 1.75	8AA-03B								
17	11/16	11	A	5/8 - 18	8AA-01A								
12	1/2	8	47	3/4 - 14 NPSM	8AB	1.8	2.5 63.5	3.75 95.2	2.5 63.5	1.44 36.5	.75 19.1	.50 12.7	1.63 41
15	9/16	9	1.850	5/8 - 11 UNC	8AB-03								
17	5/8	10	204	M16-2	8AB-03B								
17	11/16	11	B										
25	3/4	12	52	3/4 - 14 NPSM	8AC	1.9	2.5 63.5	3.88 98.4	2.75 69.9	1.44 36.5	.75 19.1	.50 12.7	1.75 44
13	13/16	13	2.047										
14	7/8	14	205										
15	15/16	15	C										
30	1	16	62	3/4 - 14 NPSM	8AD	1.9	2.5 63.5	4.06 103.2	3.13 79.4	1.44 36.5	.75 19.1	.50 12.7	2.0 50
17	1-1/16	17	2.441										
18	1-1/8	18	206	5/8 - 11 UNC	8AD-02								
19	1-3/16	19	D	M16-2	8AD-03								
35	1-3/16	19	72	3/4 - 14 NPSM	8AE	2.5	2.75 69.9	4.56 115.9	3.63 92.1	1.44 36.5	.75 19.1	.50 12.7	2.25 57
20	1-1/4	20	2.835										
21	1-5/16	21	207	1 - 8 UNC	8AE-01								
22	1-3/8	22	E	5/8 - 11 NPSM	8AE-02								
40	1-7/16	23	80	3/4 - 14 NPSM	8AF	2.2	2.88 73.0	4.75 120.7	3.75 95.2	1.44 36.5	.75 19.1	.50 12.7	2.38 60
24	1-1/2	24	3.150										
25	1-9/16	25	208	3/4 - 10 NPSM	8AF-01								
26	1-5/8	26	F										
45	1-1/2	24	85	1 - 11 1/2 NPSM	8AG	3.5	3.25 82.6	5.38 136.5	4.25 108.0	1.88 47.6	.81 20.6	.63 15.9	2.75 70
26	1-5/8	26	3.346										
27	1-11/16	27	209										
28	1-3/4	28	G										
50	1-11/16	27	90	1 - 11 1/2 NPSM	8AH	4.4	3.25 82.6	5.5 139.7	4.5 114.3	1.88 47.6	.81 20.6	.63 15.9	3.0 76
28	1-3/4	28	3.543										
29	1-13/16	29	210	1 - 8 UNC	8AH-01								
30	1-7/8	30	H										
55	1-15/16	31	100	1 1/4 - 11 1/4 NPSM	8AI	5.6	3.44 87.3	5.94 150.8	5 127.0	2 50.8	1 25.4	.63 15.9	3.25 83
32	2	32	3.937										
33	2-1/16	33	211	1 1/4 - 7 UNC	8AI-01								
34	2-1/8	34	I										
60	2-3/16	35	110	1 1/4 - 11 1/2 NPSM	8AJ	6.1	4 101.6	6.81 173.0	5.63 142.9	2 50.8	1.13 28.6	.63 15.9	3.4 86
36	2-1/4	36	4.331										
37	2-5/16	37	212	1 1/2 - 6 UNC	8AJ-01								
38	2-3/8	38	J										
70	2-7/16	39	125	1 1/2 - 11 1/2 NPSM	8AK	6.9	4.63 117.5	7.88 200.0	6.5 165.1	2 50.8	1.25 31.8	.75 19.1	3.8 96
40	2-1/2	40	4.921										
42	2-5/8	42	214										
43	2-11/16	43	K										
44	2-3/4	44											
75	2-11/16	43	130	1 1/2 - 11 1/2 NPSM	8AL	7.2	4.63 117.5	7.88 200.0	6.5 165.1	2 50.8	1.25 31.8	.75 19.1	4.13 105
44	2-3/4	44	5.118										
45	2-13/16	45	215										
46	2-7/8	46	L										
47	2-15/16	47											
48	3	48											
80	2-3/4	44	140	1 1/2 - 11 1/2 NPSM	8AM	7.8	4.88 123.9	8.31 211.1	6.88 174.7	2.22 56.4	1.25 31.8	.75 19.1	4.1 104.1
46	2-7/8	46	5.511										
47	2-15/16	47	216										
48	3	48	M										
50	3-1/8	50											
51	3-3/16	51											

Round 3-Bolt Flange

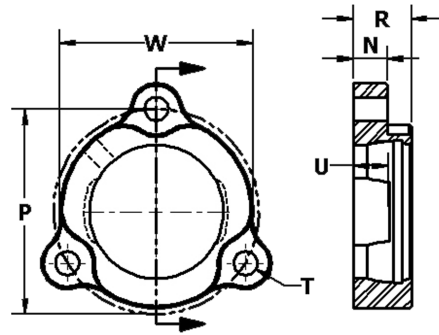
Polymer or Stainless "22" Series Round 3-Bolt Housing



Sample p/n 22AE



Sample p/n 22GE



x = Shaft Size			mm Inch Ring Group	Stainless (SS)			Polymer (KG)			P	W	U	R	T	DoubleLock® Sleeve			
				Housing p/n	N in mm	Wt. in lbs.	Housing p/n	N in mm	Wt. in lbs.						F in mm	K in mm		
12	1/2	8	40 1.575 A	22AA	.38	.5	22GA	.38	.1	2.5 63.5	2.4	.43	.69	1/4	.44	1.49		
15	9/16	9		22AA-01	9.5	.5	22GA-01	9.5	.1	2.39 60.7		2.4	9.5		17.5	11.2	38	
17	5/8	10		22AB	.42	.6	22GB	.42	.1	2.81 71.4		2.5	9.5		19.8	1.27	41	
15	5/8	10	47 1.850 B	22AB	.42	.6	22GB	.42	.1	2.81 71.4	2.5	.45	.78	5/16	.50	1.63		
17	11/16	11		22AC	.42	.6	22GC	.50	.12	3 76.2		2.8	9.5		21.4	1.27	44	
20	3/4	12		22AD	.58	1.1	22GD	.58	.2	3.56 90.5		3.4	11.9		22.2	1.27	50	
12	1/2	8	52 2.047 C	22AC	.42	.6	22GC	.50	.12	3 76.2	2.8	.53	.84	5/16	.50	1.75		
15	9/16	9		22AD	.58	1.1	22GD	.58	.2	3.56 90.5		3.4	11.9		22.2	1.27	50	
17	5/8	10		22AE	.65	1.7	22GE	.65	.23	3.94 100.0		3.7	12.7		23.8	1.27	57	
17	11/16	11	62 2.441 D	22AD	.58	1.1	22GD	.58	.2	3.56 90.5	3.4	.60	.98	3/8	.50	2		
20	3/4	12		22AE	.65	1.7	22GE	.65	.23	3.94 100.0		3.7	12.7		23.8	1.27	57	
30	1-3/16	19		22AF	.65	1.7	--	--	--	4.64 119.1		4.2	12.7		28.6	1.27	2.38 60	
15	5/8	10	72 2.835 E	22AE	.65	1.7	22GE	.65	.23	3.94 100.0	3.7	.70	1.12	3/8	.50	2.25		
17	11/16	11		22AF	.65	1.7	--	--	--	4.64 119.1		4.2	12.7		28.6	1.27	2.38 60	
35	1-7/16	23		22AG	.65	2.0	--	--	--	4.75 120.7		4.5	12.7		1.12	1.12	1.27	2.75 70
17	11/16	11	80 3.150 F	22AF	.65	1.7	--	--	--	4.64 119.1	4.2	.70	1.12	1/2	.50	2.38		
20	1-1/4	20		22AG	.65	2.0	--	--	--	4.75 120.7		4.5	12.7		1.12	1.12	1.27	2.75 70
40	1-9/16	25		22AH	.63	2.17	--	--	--	5 127.0		4.6	12.7		28.6	1.27	.63 15.9	3.0 76
15	5/8	10	85 3.346 G	22AG	.65	2.0	--	--	--	4.75 120.7	4.5	.70	1.12	1/2	.63	2.75		
17	11/16	11		22AH	.63	2.17	--	--	--	5 127.0		4.6	12.7		28.6	1.27	.63 15.9	3.0 76
45	1-3/4	28		22AH	.63	2.17	--	--	--	5 127.0		4.6	12.7		28.6	1.27	.63 15.9	3.0 76
17	11/16	11	90 3.543 H	22AH	.63	2.17	--	--	--	5 127.0	4.6	.70	1.12	1/2	.63	3.0		
20	1-1/4	20		22AH	.63	2.17	--	--	--	5 127.0		4.6	12.7		28.6	1.27	.63 15.9	3.0 76
50	1-15/16	31		22AH	.63	2.17	--	--	--	5 127.0		4.6	12.7		28.6	1.27	.63 15.9	3.0 76

Round bolt holes are standard.
*Square bolt holes are available.
If required, please call for price and lead time.





3-Bolt Extension Flange

Polymer or Stainless "3" Series 3-Bolt Extension Housing

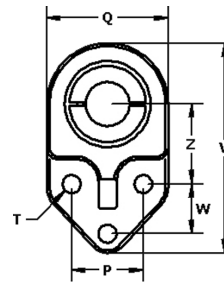


Sample p/n 3AE

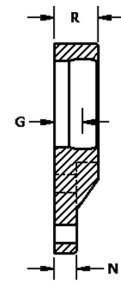


Sample p/n 3GE-QK

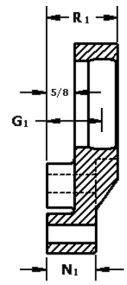
*QuiKlean® adds .625" (5/8") standoff & LTB



Poly-Round®



Standard



QuiKlean®

x = Shaft Size			mm∅ Inch Ring Group	Stainless (SS)					Polymer (KG)					Z	W	Z+W	P	T	R	DoubleLock® Sleeve		
				Housing p/n	V	Q	N	G	Wt. in lbs.	Housing p/n	V	Q	N							G	Wt. in lbs.	R*
mm	in	16 ^{ths}		in mm	in mm	in mm	in mm		in mm	in mm	in mm	in mm		in mm	in mm	in mm	in mm	Bolt size	in mm	in mm	in mm	
12	1/2	8	40	3.5	2	.25	.53	.6	3GA	3.65	2.19	.44	.53	.1	1.38	.81	2.19	1.25	5/16	.85		
15	9/16	9	1.575	88.9	50.8	6.4	13.5			92.9	55.6	11.1	13.4		34.9	20.6	55.6	31.8		21.5	0.44	1.49
17	11/16	11	203 A						3GA-QK			1.06	1.15	--						1.48		38
12	1/2	8	47	4.25	2.5	.31	.59	1.1	3GB	4.34	2.56	.44	.59	.2	1.68	.89	2.56	1.5	3/8	.95		
15	5/8	10	1.850	108.0	63.5	7.9	14.9			110.3	65.1	11.1	15		42.9	22.2	65	38.1		24.1	.50	1.63
17	11/16	11	204 B						3GB-QK			1.06	1.22	.2						1.58		41
20	3/4	12																		40.0		
25	3/4	12	52	4.75	2.75	.38	.64	1.4	3GC	4.75	2.75	.50	.63	.3	1.81	1.12	2.94	1.62	3/8	1	.50	1.75
	13/16	13	2.047	120.7	69.9	9.5	16.3			120.7	69.9	12.7	16		46.1	28.6	74.6	41.3		25.4	12.7	44
	14	14	205 C						3GC-QK			1.12	1.26	.3						1.62		
	15	15																		41.1		
	16	16																				
30	1	16	62	5.38	3.12	.38	.66	1.8	3GD	5.44	3.25	.50	.66	.4	2.06	1.25	3.31	1.84	3/8	1.06	.50	2.0
	1-1/8	17	2.441	136.5	79.4	9.5	16.7			138.1	82.6	12.7	16.7		52.4	31.8	84	47.6		27.1	12.7	50
	1-3/16	18	206 D						3GD-QK			1.12	1.28	.5						1.68		
	1-1/4	20																		43.0		
35	1-3/16	19	72	6	3.63	.50	.79	3.0	3GE	6.19	3.56	.56	.79	.5	2.37	1.25	1.84	2	1/2	1.22	.50	2.25
	1-5/16	21	2.835	152.4	92.1	12.7	20			157.2	96.9	14.3	20		60.3	31.8	92	50.8		31.1	12.7	57
	1-3/8	22	207 E						3AE-QK			1.18	1.42	.6						1.84		
	1-7/16	23										30.2	35.4							46.9		
40	1-7/16	23	80	6.5	4	.50	.77	3.2	3GF	6.67	4.25	.56	.77	.6	2.56	1.37	3.94	2.25	1/2	1.28	.50	2.38
	1-1/2	24	3.150	165.1	101.6	12.7	19.6			170.7	108.0	14.3	19.5		65.1	34.9	100	57.2		31.8	12.7	60
	1-9/16	25	208 F						3GF-QK			1.19	1.39	.7						1.86		
	1-5/8	26																		47.4		
45	1-1/2	24	85	6.94	4.25	.50	.76	3.6		--	--	--	--	--	2.75	1.5	4.25	2.5	1/2	1.24	.63	2.75
	1-5/8	26	3.346	176.2	108.0	12.7	19.8								69.9	38.1	104.8	63.5		31.8	15.9	70
	1-11/16	27	209 G																			
50	1-11/16	27	90	7.41	4.56	.50	.77	4.4	3GH	7.62	4.87	.62	.77	.8	2.94	1.62	4.56	2.75	1/2	1.24	.63	3.0
	1-3/4	28	3.543	188.1	115.9	12.7	19.4			193.7	123.8	15.9	19.6		74.6	41.3	115.8	69.9		31.8	15.9	76
	1-13/16	29	210 H																			
	1-7/8	30																				
	1-15/16	31																				
	2	32																				
55	1-15/16	31	100	8.04	4.95	.63	.92	6.4	3AI	8.29	5.37	.69	.92	1.1	3.12	1.75	4.87	3	5/8	1.47	.63	3.25
	2	32	3.937	205.6	128.6	15.9	23.4			210.6	136.5	17.5	23.5		79.4	44.5	123.8	76.2		37.3	15.9	83
	2-1/8	34	211 I																			
	2-3/16	35																				
	2-1/4	36																				
60	2-3/16	35	110	8.88	5.63	.63	1.07	8.7	3AJ	9.19	6	.69	1.07	1.8	3.37	2	5.37	3.5	5/8	1.66	.63	3.4
	2-1/4	36	4.331	225.4	142.9	15.9	27.2			233.4	152.4	17.5	27.1		85.7	50.8	136.5	88.9		42.1	15.9	86
	2-5/16	37	212 J																			
	2-3/8	38																				
	2-7/16	39																				
70	2-7/16	39	125	10.03	6.47	.63	1.25	12.6	3AK	--	--	--	--	--	3.75	2.37	6.12	4.25	5/8	1.87	.75	3.8
	2-1/2	40	4.921	254.8	163.5	15.9	31.8								95.3	60.3	155.5	108.0		47.6	19.1	96
	2-5/8	42	214 K																			
	2-11/16	43																				
	2-3/4	44																				
75	2-11/16	43	130	10.69	6.5	.75	1.39	13.7	3AL	--	--	--	--	--	4	2.62	6.62	4.25	3/4	2	.75	4.13
	2-3/4	44	5.118	271.5	165.1	19.1	35.2								101.6	66.7	168.3	108.0		50.8	19.1	105
	2-13/16	45	215 L																			
	2-7/8	46																				
	2-15/16	47																				
	3	48																				



Wide Slot Take-Up

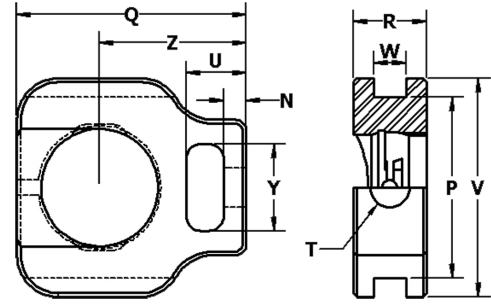
Polymer or Stainless "7" Series Wide Slot Take-Up Housing



Sample p/n 7AE



Sample p/n 7GC



x = Shaft Size			mm∅ Inch∅ Ring Group	Stainless (SS)		Polymer (KG)		P	V	Z	Y		N	W	U	R	T	DoubleLock® Sleeve			
				Housing p/n	Q in mm	Wt. in lbs.	Housing p/n				Q in mm	Wt. in lbs.						Nut Size	in mm	in mm	in mm
12	1/2	8	40	7AA	3.13 79.5	1.4	--	--	2.5 63.5	3	2	1/2 - 13	1.25 31.8	.31 7.9	.41 10.3	.81 20.6	1 25.4	1/2 - 13	.44 11.2	1.49 38	
15	9/16	9	1.575																		
17	5/8	10	203																		A
12	1/2	8	47	7AB	3.69 93.7	2.8	7GB	3.69 93.7	.5	3	3.63 92.1	2.38 60.3	5/8 - 11	1.44 36.5	.44 11.1	.53 13.5	1.06 27.0	1.38 34.9	5/8 - 11	.50 12.7	1.63 41
15	5/8	10	1.850																		
17	11/16	11	204																		
25	3/4	12	52	7AC	3.81 96.8	2.6	7GC	3.81 96.8	.5	3	3.63 92.1	2.44 61.9	5/8 - 11	1.44 36.5	.44 11.1	.53 13.5	1.06 27.0	1.38 34.9	5/8 - 11	.50 12.7	1.75 44
13/16	13	14	2.047																		
7/8	14	15	205																		
30	1	16	62	7AD	4.38 111.1	4.0	7GD	4.38 111.1	.8	3.5 88.9	4.13 104.8	2.75 69.9	3/4 - 10	1.63 41.3	.38 9.5	.53 13.5	1.16 29.4	1.63 41.3	3/4 - 10	.50 12.7	2.0 50
1-1/16	17	18	2.441																		
1-1/8	18	19	206																		
35	1-3/16	19	72	7AE	4.81 122.2	4.1	7GE	4.81 122.2	.7	3.5 88.9	4.13 104.8	3	3/4 - 10	1.63 41.3	.38 9.5	.53 13.5	1.16 29.4	1.63 41.3	3/4 - 10	.50 12.7	2.25 57
1-1/4	20	21	2.835																		
1-5/16	21	22	207																		
40	1-7/16	23	80	7AF	5.5 139.7	6.3	7GF	5.5 139.7	1.1	4 101.6	4.5 114.3	3.44 87.3	1 - 8	1.94 49.2	.56 14.3	.69 17.5	1.5 38.1	1.94 49.2	1 - 8	.50 12.7	2.38 60
1-1/2	24	25	3.150																		
1-9/16	25	26	208																		
45	1-5/8	26	85	7AG	5.69 144.5	6.4	7GG	5.69 144.5	1.2	4 101.6	4.63 117.5	3.5 88.9	1 - 8	1.94 49.2	.56 14.3	.69 17.5	1.5 38.1	1.94 49.2	1 - 8	.63 15.9	2.75 70
1-1/2	24	26	3.346																		
1-11/16	27	28	209																		
50	1-3/4	28	90	7AH	5.81 147.6	6.7	7GH	5.81 147.6	1.1	4 101.6	4.75 120.7	3.56 90.5	1	1.94 49.2	.56 14.3	.69 17.5	1.5 38.1	1.94 49.2	1 - 8	.63 15.9	3.0 76
1-11/16	27	28	3.543																		
1-13/16	29	30	210																		
55	1-7/8	30	100	7AI	7.5 190.5	10.8	7GI	7.5 190.5	2.6	5.13 130.2	5.75 149.2	4.69 119.1	1 1/4 - 7	2.5 63.5	.72 18.3	1.06 27.0	1.97 50.0	2.5 63.5	1 1/4 - 7	.63 15.9	3.25 83
1-15/16	31	32	3.937																		
2-1/16	33	34	211																		
60	2-3/16	35	110	7AJ	7.5 190.5	13.0	7GJ	7.5 190.5	2.4	5.13 130.2	5.88 149.2	4.69 119.1	1 1/4 - 7	2.5 63.5	.72 18.3	1.06 27.0	1.97 50.0	2.5 63.5	1 1/4 - 7	.63 15.9	3.4 86
2-1/4	36	37	4.331																		
2-5/16	37	38	212																		
70	2-7/16	39	125	7AK	8.88 225.4	14.0	--	--	--	5.94 150.8	6.69 169.9	5.38 136.5	1 1/2 - 6	2.88 73.0	.81 20.6	1.06 27.0	2.31 58.7	2.75 69.9	1 1/2 - 6	.75 19.1	3.8 96
2-7/16	39	40	4.921																		
2-1/2	40	42	214																		
75	2-11/16	43	130	7AL	9.13 231.8	15.0	7GL	9.13 231.8	3.6	5.94 150.8	6.69 169.9	5.5 139.7	1 1/2 - 6	2.88 73.0	.81 20.6	1.06 27.0	2.31 58.7	2.75 69.9	1 1/2 - 6	.75 19.1	4.10 104.1
2-3/4	44	45	5.118																		
2-13/16	45	46	215																		
75	2-7/8	47	130	7AL	9.13 231.8	15.0	7GL	9.13 231.8	3.6	5.94 150.8	6.69 169.9	5.5 139.7	1 1/2 - 6	2.88 73.0	.81 20.6	1.06 27.0	2.31 58.7	2.75 69.9	1 1/2 - 6	.75 19.1	4.10 104.1
2-15/16	46	47	215																		
75	3	48	130	7AL	9.13 231.8	15.0	7GL	9.13 231.8	3.6	5.94 150.8	6.69 169.9	5.5 139.7	1 1/2 - 6	2.88 73.0	.81 20.6	1.06 27.0	2.31 58.7	2.75 69.9	1 1/2 - 6	.75 19.1	4.10 104.1
2-15/16	46	47	215																		



Narrow Slot Take-Up Housing

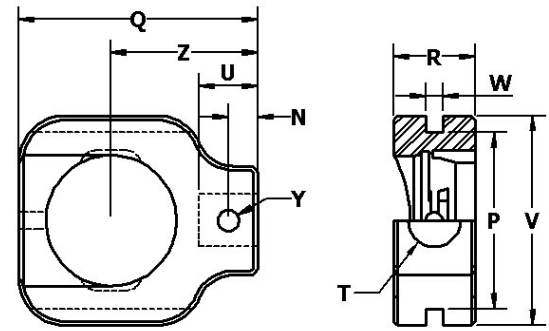
Polymer or Stainless "5" Series Narrow Slot Take-Up Housing



Sample p/n 5AE



Sample p/n 5GE



x = Shaft Size			mm Inch Ring Group	Stainless (SS)			Polymer (KG)			P	V	Z	Y \varnothing	N	W	R	U	T	DoubleLock® Sleeve		
				Housing p/n	Q in mm	Wt. in lbs.	Housing p/n	Q in mm	Wt. in lbs.										F in mm	K in mm	
mm	in	16ths																			
12	1/2	8	40	5AA	2.69	.8	--	--	2	2.50	1.69	1/4 x 7/8	.31	1/4	.88	.63	15.9	1/2 - 13	.44	1.35	
15	9/16	9	1.575																		
17	5/8	10	203																		A
12	1/2	8	47	5AB	3.44	2.0	5GB	3.44	.4	2.63	3.13	2.19	5/16 x 1 1/4	.44	1/4	1.25	.88	22.2	3/4 - 10	.50	1.63
15	5/8	10	1.850																		
17	11/16	11	204																		
20	3/4	12																			
25	3/4	12	52	5AC	3.56	2.0	5GC	3.56	.3	2.63	3.13	2.19	5/16 x 1 1/4	.44	1/4	1.25	.88	22.2	3/4 - 10	.50	1.75
13	7/8	14	2.047																		
15	15/16	15	205																		
30	1	16	62	5AD	4.31	3.5	5GD	4.31	.5	3.50	4.13	2.69	5/16 x 1 1/4	.50	1/4	1.25	1	25.4	3/4 - 10	.50	2.0
17	1-1/16	17	2.441																		
18	1-1/8	18	206																		
35	1-3/16	19	72	5AE	4.50	3.2	5GE	4.50	.6	3.50	4.13	2.69	5/16 x 1 1/4	.50	1/4	1.25	1	25.4	3/4 - 10	.50	2.25
20	1-1/4	20	2.835																		
21	1-5/16	21	207																		
40	1-7/16	23	80	5AF	5.38	5.6	5GF	5.38	1	4	4.75	3.25	3/8 x 1 1/2	.66	5/16	1.25	1.12	29.4	7/8 - 9	.50	2.38
24	1-1/2	24	3.150																		
25	1-9/16	25	208																		
45	1-5/8	26	85	5AG	5.44	5.3	5GG	5.38	1	4	4.75	3.25	3/8 x 1 1/2	.66	5/16	1.25	1.16	29.4	7/8 - 9	.63	2.75
27	1-11/16	27	3.346																		
28	1-3/4	28	209																		
50	1-11/16	27	90	5AH	5.5	5.2	5GH	5.5	1	4	4.75	3.25	3/8 x 1 1/2	.66	5/16	1.25	1.16	29.4	7/8 - 9	.63	3.0
28	1-3/4	28	3.543																		
29	1-13/16	29	210																		
55	1-7/8	30	100	5AI	6.13	7.4	N/A	--	--	4.44	5.38	3.63	7/16 x 1 3/4	.69	5/16	1.75	1.28	32.5	1 - 8	.63	3.25
31	1-15/16	31	3.937																		
32	2	32	211																		
60	2-1/4	36	110	5AJ	6.69	8.0	N/A	--	--	4.94	5.75	3.88	7/16 x 1 3/4	.69	5/16	1.75	1.28	32.5	1 - 8	.63	3.4
33	2-1/8	34	4.331																		
34	2-3/16	35	212																		
70	2-7/16	39	125	5AK	7.38	8.5	5GK	7.38	1.8	5.50	6.38	4.94	1/2 x 1 7/8	.75	3/8	1.88	1.50	38.1	1 1/4 - 7	.75	3.8
40	2-1/2	40	4.921																		
41	2-5/8	42	214																		
75	2-11/16	43	130	5AL	7.69	9.2	5GL	7.69	2.2	5.88	6.75	4.44	1/2 x 1 7/8	.75	3/8	1.88	1.50	38.1	1 1/4 - 7	.75	4.13
44	2-13/16	45	5.118																		
45	2-7/8	46	215																		
47	2-15/16	47																			
48	3	48																			

EDT Bearing Selection Guide



IDEAL LOCATIONS

TYPE OF EDT BEARING

Class III Plane Bearings

- Modular plastic belt conveyors
- Wire belt conveyors
- Dumpers
- Freezers
- Fryer paddles
- Idler rollers
- Ovens
- Pasteurizers
- Sizers
- Fillers and cams

- Poly-Round®
- Poly-Sphere®
- All-Round®
- EDT Type E Solution®
- Radial Poly-Round®



Caution

CAUTION Plane bearings are **NOT** well suited to locations with:

- Flat belt conveyors (rubber, pvc, fabric belts)
- Curved table-top conveyors
- High speed shafts
- Trunnions
- Overhung loads (ex: unsupported shaft-mounted gear reducers)

In these kinds of applications, ball bearings are recommended.

Ball Bearings

- High speed shafts including fans, motors, table-top conveyors
- High tension locations including
 - Flat belt conveyors
 - Urethane belt conveyors
 - Curved conveyors
- Overhung loads (like shaft-mounted gear reducers)
- Trunnions

Styles

- Inserts: set-screw or eccentric
- Unmounted radials

Options

Materials

- Stainless, NCS, or steel

Lubrication

- Food grade grease
- Solid lubricants (various)
- Vacuum grade
- Stock grease



Caution

CAUTION ball bearings are **NOT** well suited to locations such as:

- Places where grease is a contaminant
- Sanitary and direct food contact locations
- Corrosive locations
- High or low temperatures
- Start-stop locations or infrequent motion applications
- Partial rotation or oscillating motion
- Difficult to maintain locations

In these kinds of applications, plane bearings should be considered.

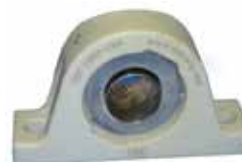
THE EDT Poly-Round® Solution® GUARANTEE

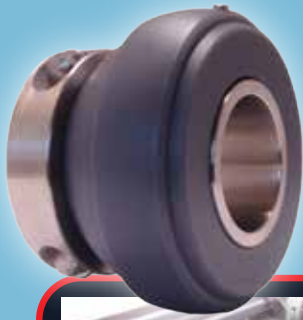
EDT Poly-Round® Solution® plane bearings in smooth, strong, sanitary housings offer a grease-free, clean, non-rusting alternative to rolling element bearings. As a result, maintenance time and costs are reduced, and up-time is improved.

On sprocket-driven modular plastic and wire belt conveyors, EDT GUARANTEES the NA Poly-Round® bearing to last 1 year, or EDT will replace it with the bearing of your choice.



180° When bearing exhibits excessive wear in one direction, the insert can be rotated 180° to extend bearing life.





Replace a ball bearing with a **Poly-Round® Plus**

- No Rust
- No Grease
- Improve Reliability
- Lower Cost of Ownership



1
Remove the old bearing



2
Secure housing to change bearing



3
Remove the insert



4
Replace with **Poly-Round® Plus**



5
Align **Poly-Round® Plus**



6
Remove grease fitting and install set screw



7
Re-install bearing on equipment



8
Business card sized gap allows shaft expansion

The insure proper operation, shaft must freewheel

When **Poly-Round® Plus** wears too far in one direction, rotate insert **180°** to use unworn portion



IDEAL LOCATIONS FOR POLY-ROUND®S

- Modular plastic belts
- Wire belts
- Oven idlers
- Freezers
- Dumpers
- Blenders & mixers
- Wastewater equipment



Bearings For Severe Service Environments

1006-J NE 146th St. • Vancouver, WA, U.S.A. • 98685 • (800) 810-7110 • sales@edtcop.com • www.edtcop.com

On tractor-driven conveyor belts, **EDT GUARANTEES** 'NA' and 'QF' **Poly-Round® Plus** for **1 YEAR** or we'll replace the bearing

Gain the advantages of Poly-Round® bearings Plus reuse your housings

Maximize your maintenance budget with Poly-Round® Plus bearings

Poly-Round® Plus COST OF OWNERSHIP EXAMPLE

Stainless ball bearing assembly changed every three months		Stainless ball bearing assembly changed to EDT Poly-Round® Plus and reuse stainless steel housing	
Year 1 - 1st Quarter			
Original bearing SUCSFL205-16	\$64.00	Original bearing SUCSFL205-16	\$64.00
Installation labor \$35/hr x ½ hr	\$17.50	Installation labor \$35/hr x ½ hr	\$17.50
Lubrication: Lube .30/Oz x 1 oz x 5 times/week	\$1.50	Lubrication: Lube .30/Oz x 1 oz x 5 times/week	\$1.50
Labor \$35/ hr x [2 min x 5 times/ week = 10 min]	\$5.83 \$7.33 x 12	Labor \$35/ hr x [2 min x 5 times/ week = 10 min]	\$5.83 \$7.33 x 12
Maintenance cost over 12 weeks	\$87.96	Maintenance cost over 12 weeks	\$87.96
Q1 total cost to operate bearing	\$172.46	Q1 total cost to operate bearing	\$172.46
Q2 replace same unit with same PM cycles	\$172.46	Replace bearing insert with Poly-Round® Plus NAIPCO-C + sleeve ZALUC6-16-LK	\$48.00 \$90.00 \$138.00
Q3 replace same unit with same PM cycles	\$172.46	Q3 Poly-Round® Plus operates with low/no maintenance	\$0.00
Q4 replace same unit with same PM cycles	\$172.46	Q4 Poly-Round® Plus operates with low/no maintenance	\$0.00
Year 1 total cost for bearing	\$689.84	Year 1 total cost for bearing	\$310.46
One year savings with Poly-Round® Plus		\$379.38 savings	
Year 2			
Q 1 - replace same unit at same costs	\$172.46	Q4 Poly-Round® Plus operates with low/no maintenance	\$0.00
Q2 replace same unit at same costs	\$172.46	½ hr labor to 180° rotate Poly-Round® Plus	\$17.50
Q3 replace same unit at same costs	\$172.46	Q3 Poly-Round® Plus operates with low/no maintenance	\$0.00
Q4 replace same unit at same costs	\$172.46	Q4 Poly-Round® Plus operates with low/no maintenance	\$0.00
Year 2 total cost for bearing	\$689.84	Year 2 total cost for bearing	\$17.50
		Y2 Savings with Poly-Round® Plus	\$672.34
Y1 + Y2 costs	\$1,379.68	Y1 + Y2 costs	\$327.96
Two year savings with Poly-Round® Plus		\$1,051.72 savings	

Let EDT Help!

To check which bearing is best for your application, complete a **Bearing Design Checklist (BDC)** today and you'll hear from us promptly!

www.edtcorp.com/html_pages/technical.html



Bearings For Severe Service Environments



When your EDT **Poly-Round**[®] goes from this  to this  REUSE it with a **180°** rotation



1
Remove used bearing from equipment



2
Secure housing and remove setscrews



3
Remove insert from housing



4
Chilling the **Poly-Round**[®] will ease reinstallation



5
Re-install **Poly-Round**[®] with wear in opposite location



6
Position slot so it will intersect hole and roll into housing



7
Install long setscrew to hit bottom of slot; reverse one full turn



8
Use bar to assure insert is properly aligned



9
Install second setscrew to act as jam-nut



10
Re-install onto equipment with space for expansion



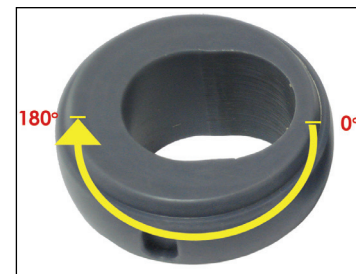
Bearings For Severe Service Environments

1006-J NE 146th St. • Vancouver, WA, U.S.A. • 98685 • (800) 810-7110 • sales@edtcorp.com • www.edtcorp.com

Maximize your maintenance budget with the **180° ADVANTAGE**

COST OF OWNERSHIP EXAMPLE Poly-Round® Solution® on modular plastic belt conveyor		
NA2GC7-16-LK Poly-Round® Solution® versus 6 months life on stainless ball bearing in polymer housing	Original ball bearing	EDT Poly-Round®
EDT polymer housing is reusable, Poly-Round® guaranteed for 1 year, then rotate 180° and run another 1 year; replace in year 3		
A. Initial cost of bearing	80.00	167.00
B. Installation labor \$32/hr (.53/minute) x 1 hour	32.00	32.00
C. Cost of each bearing (A+B)	112.00	199.00
D. Frequency to replace bearings in 1 year	2 x	1 x
E. Bearing and installation costs in 1 year (CxD)	224.00	199.00
F. Lubrication costs in 1 year		0 times
Grease: .50/ounce x 1 oz lube per week x 52 wks =	26.00	
Labor: 2 minutes per cycle x 2 times/week (104 times/year) = 208 minutes/year x .53/minute (refer to line B) =	+110.24	0.00
	136.24	
G ₁ , Year 1: total cost to buy and maintain each bearing (E+F)	360.24	199.00
Savings after year 1	\$161.24 per bearing	
G ₂ , Year 2: total cost to buy and maintain each bearing	360.24 same as year 1	16.00 Labor to rotate 180°
Total Year 1 + Year 2 costs each bearing (G ₁ + G ₂)	720.48	215.00
Savings after year 2	\$505.48 per bearing	
Total TWO Year savings on 4 bearings per conveyor	\$2,021.92 savings	

THE 180° ADVANTAGE!
When insert wears too far in one direction, rotate insert 180° to use the unworn portion
DOUBLE THE LIFE OF YOUR POLY-ROUND®!



On tractor-driven conveyor belts, **EDT GUARANTEES 'NA' and 'QF' Poly-Round® Plus** for 1 YEAR or we'll replace the bearing

Let EDT Help!
To check which bearing is best for your application, complete a **Bearing Design Checklist (BDC)** today and you'll hear from us promptly!
www.edtcorp.com/html_pages/technical.html



Bearings For Severe Service Environments



NA 1GE7 - 20-LK

PLANE BEARINGS

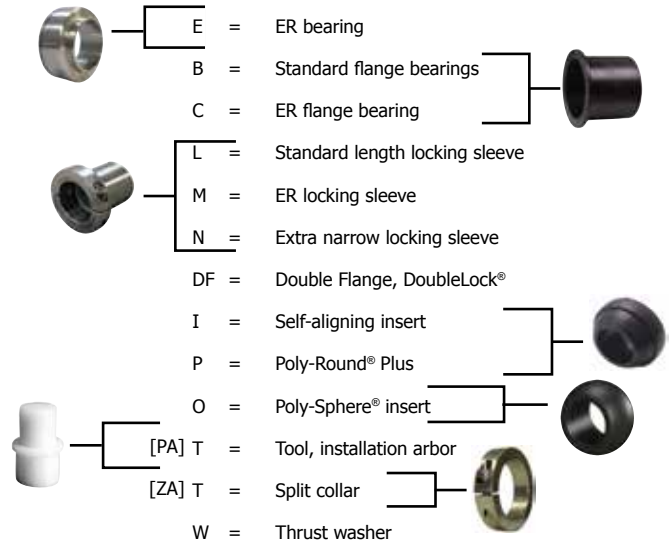
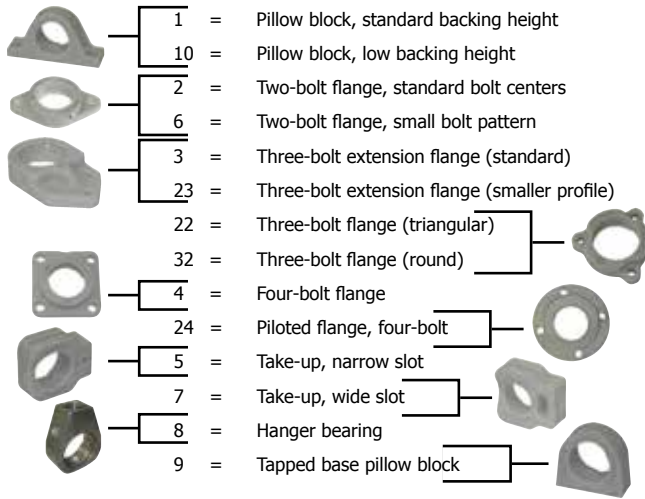
Material Indicator

Polymer: PA, AA, NA, OE, QF, QB, FA, MA, MY, MZ
Metals / metal treatments: ZA, ZF, ZN, ZQ, ZZ, Z4

* Housing only indicated as '1GE' or '1GE-QK'.
Prefix and suffix identifies details of assembly
or plane bearing components.

NA 1GE7 - 20-LK

Shape or Series



NA 1GE7 - 20-LK

Housing or Non-Housing Style

NON-HOUSING

- U = Non-housing product
- V = Single split collar
- W = Double split collar
- B = Polymer block bearing (straight bore)
- L = Stainless steel split flangette housing
- O = Poly-Sphere® bearing

HOUSING

- G = EDT "KG" cast polymer housing (spherical ID)
- A = Stainless housing (spherical ID)
- E = Type E housing
- F = Mild steel housing (spherical ID)
- P = Stainless steel cast housing

OPTIONAL HOUSING MODIFIER

- CB = Cap, blind
- CT = Cap, thru
- O = Housing modification
- QK = QuiKlean®
- Q = Square bolt holes
- SM = Wider spherical radius

*Full housing P/N - 3 digits (Ex: 1GE)

EX: QF 1 A E - **QK** 7 - 20 - LK

NA 1GE7 - 20-LK

Group Size

Dimensional interchange

RING SIZE	EDT GROUP	SPHERICAL OD	RING SIZE	EDT GROUP	SPHERICAL OD	EDT GROUP	TYPE E OD's	ID
203	A	1.575" / 40 mm	213	Z	4.724" / 120 mm	01	65mm OD x	1.35 ID
204	B	1.850" / 47 mm	214	K	4.921" / 125 mm	02	72mm OD x	1.54 ID
205	C	2.047" / 52 mm	215	L	5.128" / 130 mm	03	85mm OD x	1.87 ID
206	D	2.441" / 62 mm	216	M	5.511" / 140 mm	04	90mm OD x	2.10 ID
207	E	2.835" / 72 mm	217	N	5.905" / 150 mm	05	100mm OD x	2.35 ID
208	F	3.150" / 80 mm	218	O	6.299" / 160 mm	06	120mm OD x	2.65 ID
209	G	3.346" / 85 mm	219	P	6.693" / 170 mm	07	125mm OD x	3.14 ID
210	H	3.543" / 90 mm	220	Q	7.480" / 190 mm	08	145mm OD x	3.70 ID
211	I	3.937" / 100 mm	221	R	7.874" / 200 mm	09	175mm OD x	4.20 ID
212	J	4.331" / 110 mm				10	195mm OD x	4.70 ID
						11	212mm OD x	5.20 ID

NA 1GE7 - 20-LK

Modifier

- O = Standard part
- C = Custom part
- H = Hardened steel
- M = Mild steel
- Q = Square bolt hole
- T = Split
- 6 = 316 Stainless steel components

- 2 = Poly-Round® Plus with Double Flange DoubleLock® sleeve
- 3 = Poly-Round® narrow, no locking sleeve (with or without housing)
- 4 = Poly-Round® narrow and locking sleeve (with or without housing)
- 5 = Poly-Round® in housing (no locking sleeve)
- 7 = Poly-Round® with locking sleeve (with or without housing)
- 8 = Ball bearing in housing
- 9 = ALL-ROUND® Supreme bearing (with or without housing)
- P = Poly-Round® Plus assembly

NA 1GE7 - 20-LK

Shaft/ID Size

(indicated as "x" in the catalog)

Inches in 16th's (Ex: 1-1/4" = 20/16 → 20)
OR
Fractions (Ex: 1-1/4")
Metric with "M" or "mm" suffix
(Ex: 20M **OR** 20mm)

OPTIONAL MODIFIER (EX: QF 1 A E - QK 7 - 20 - LK)

- 04 = 0.6 Longer locking sleeve
- 04-LK = 0.6 Longer sleeve, DoubleLock®
- LK = KleenCap® DoubleLock®
- LC = DoubleLock® (Obsolete, now LK or MC)
- MC = DoubleLock®
- HT = High temperature
- HTV = High temp, fixed end
- HTE = High temp, expansion end
- OS = Oven series

EX: 4Y1GE8-20GX 4Y205-16GX

BALL BEARINGS

Ball Bearing Material	Ball Bearing Style	BB Ring Size OR Housing	Modifier	Shaft	Lubricant	Modifier
4 400 stainless	Y set-screw (also B)	For inserts - refer to Group Size section above	Blank if bearing only Not an assembly	size in 16ths	Grease G - Food grade Y - High temp food grade	X Standard
3 300 stainless	U wide eccentric (also A)		8 mounted; ball bearing in housing			Z Shield
5 NC steel	E narrow eccentric	*For assemblies - use 3-digit Housing part number Example: 205 group / ring size			Solid lube - polymer F - Food grade (-55° to 200°) J, B, P - Miscellaneous food grades C - Food grade non-corrosive K, R - High temperature E, D - Industrial grades	O Open
6 52100 steel	0 unmounted					B Bare
7 alloy	F flanged unmounted	1GE housing style			Solid lube - graphite W, M, T, V - Various temperature ranges	V Vacuum grade
						SM Wider unit

EDT Split bearing assembly part numbers



A split locking sleeve has two (2) DoubleLock® collars in order to stay round.



A standard Poly-Round® insert does not space the two collars far enough outside of the stainless housing to allow full wear of a Poly-Round® bearing (longevity due to a thick bearing wall is one of the advantages of Poly-Round® bearings).

To remedy this, split housings must be mated with a symmetrical style of Poly-Round®, designated as 'OS.' An OS Poly-Round® allows a thrust surface on both sides of the housing that, even with significant wear over time, should not intersect the housing.



In all split assembly part numbers, it is necessary to indicate with 'T' which component(s) are split

- Housing p/n is #AC-SPLIT
- Insert is __IUCT-C-OS
- Locking sleeve is ZALUCT-16-OS (or ZALUCT-16-OS-04 if extra length is needed for shaft expansion)

Examples of Part Numbering options

- QF2ACT7T-16T Indicates housing, insert, and locking sleeve are split
- QF2ACT7T-16 Indicates housing and insert are split, but locking sleeve is 1-piece
- QF2ACT7-16 Indicates split housing with 1-piece insert and 1 piece set-screw locking sleeve
- NA2ACT5T-16 Indicates ss split 2-bolt with split Poly-Round® and no sleeve (5 assembly) for 1" shaft



Assembly considerations

- You can have a split housing with a 1-piece or split Poly-Round®
- You can have a split Poly-Round® with a 1-piece or split sleeve
- You can NOT have a split sleeve without having a split housing and split bearing
- You MUST have a split housing and a split bearing in order to use a split sleeve
 - You can NOT use a split sleeve with a 1-piece Poly-Round®
 - You can NOT use a split Poly-Round® with a 1-piece housing
- You can use a split Poly-Round® without a locking sleeve (...5T), but the shaft material and surface finish MAY compromise the longevity of the Poly-Round® (won't be as long lived as running with a sleeve). Operating without a locking sleeve is not a Poly-Round® failure and therefore not an EDT warranty issue.



Note: For high load applications: choose Poly-Sphere® bearings instead of Poly-Round® inserts. Poly-Sphere® maximizes load capacity of the polymer because the OD is almost entirely supported by the stainless housing, versus the OS style where only the major OD is supported by the housing.

EDT Ball Bearing Part Numbering System

Ball Bearing Material		Ball Bearing Style		Bearing or Housing Size		Modifier		Shaft	Lubricant*			Modifier	
4	400 stainless	Y	Set screw	Examples:		Blank	Bearing only (not assembly)	Size in 16 ^{ths}	G	Food grade	Grease	X	Standard
3	300 stainless	U	Wide eccentric (also A)	205	Ring size				F	Food grade (-55° to 200°F)	EPL ⁺	Z	Shield
5	NC steel	E	Narrow eccentric	1GE	Housing group	8	Mounted ball bearing in housing		J,B,P	Other food grade designations	EPL ⁺	O	Open
6	52100 steel	0	Unmounted	(Refer to charts below)					C	Food grade non-corrosive	EPL ⁺	SM	Wider unit
7	Alloy	F	Flanged unmounted			K	Food grade hi temp (-25° to 350°F)	EPL ⁺					
		B	Set screw, commodity	E	Industrial grades	EPL ⁺							
		A	Wide eccentric, commodity	W	Temp -250° to +250°F (vacuum grades available, "V")	EGL ⁺							
				M	Temp +32° to +450°F (vacuum grades available, "V")	EGL ⁺							
				T	Temp +40° to +650°F (vacuum grades available, "V")	EGL ⁺							

*Lubricants listed as food grade are designated H1

*EPL: EDT polymer lube

*EGL: EDT graphite lube

For more information about EDT solid lubricants see the next page.

Housing Shape / Profile Indicators

Indicators	Housing styles
1	Pillow block
2	2-Bolt flange
3	3-Bolt, extension
4	4-Bolt
5	Take-up, narrow
6	2-Bolt flange, small bolt pattern
7	Take-up, wide
8	Hanger
9	Tapped base pillow block
10	Pillow block, low backing height
22	3-Bolt, triangular
23	3-Bolt, extension, smaller profile
24	4-Bolt, piloted
32	3-Bolt, round

Housing Material Indicators

Indicators	Housing material
G	Polymer; EDT "KG"
A	Stainless 304/316
F	Cast iron
P	Cast stainless
E	Type E stainless

Group / Size Indicators


Ball Bearing Ring Size	Spherical Size: Ball Bearing OD Housing ID	EDT Group Size
201, 202, 203	1.575" / 40mm	A
204	1.850" / 47mm	B
205	2.047" / 52mm	C
206	2.441" / 62mm	D
207	2.835" / 72mm	E
208	3.150" / 80mm	F
209	3.346" / 85mm	G
210	3.543" / 90mm	H
211	3.937" / 100mm	I
212	4.331" / 110mm	J
214	4.921" / 125mm	K
215	5.128" / 130mm	L

Additional Sizes (not available in SS)

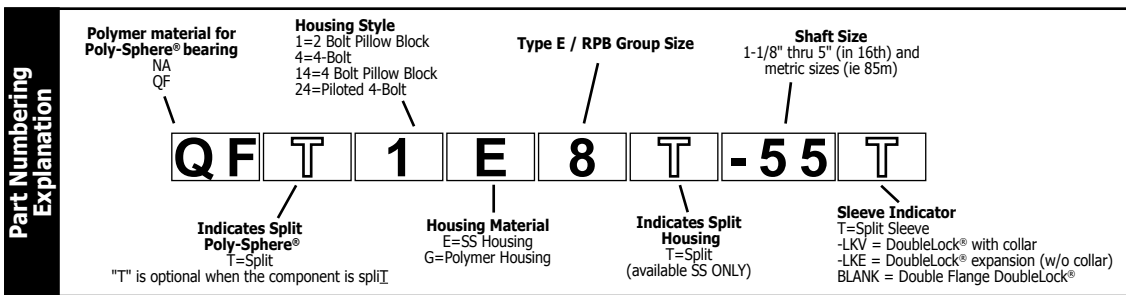
Ring Size	Spherical OD	EDT Group Size
213	4.724" / 120mm	Z
216	5.511" / 140mm	M
217	5.905" / 150mm	N
218	6.299" / 160mm	O
219	6.693" / 170mm	P
220	7.480" / 190mm	Q
221	7.874" / 200mm	R


Radial Poly-Round® Part Numbering Guide

O E	6200	_____	RPR	Part Number Examples
Material identifier Ref: Material Selection Chart (See chart above)	Industry part #	Any modifier (EDT assign)	Radial Poly-Round®	OE6200RPR OEF691/6RPR QFR6-2RPR

 FOR MORE INFORMATION, REFER TO THE UNMOUNTED RADIAL BEARINGS CATALOG SECTION

Type E and RPB Part Numbering Guide



 FOR MORE INFORMATION, REFER TO THE TYPE E CATALOG SECTION

EDT Solid Lubricants

EDT Solid Lube PN Indicator	Food-Grade Solid Lubricant Type	'Food grade' lubricants are rated H-1 (incidental food contact)	Color	Operating Temperature
F	EPL	Food grade oil-permeated polymer solid lube utilizing high performance synthetic lubricants. Formulated to withstand and inhibit corrosion in most food-processing environments that involve moisture and wash-down, performs equally well in similar industrial applications. Low temp to -55°F (-48°C).	white	-55°F to 200°F (-48°C to 93°C)
B	EPL	Food grade oil-permeated polymer solid lube utilizing high performance synthetic lubricants. Same kinds of food-processing and industrial applications as F lube (withstand moisture, corrosion inhibitors) with low temp to -65°F (-54°C)	white	-65°F to 200°F (-54°C to 93°C)
K	EPL	Food grade oil-permeated polymer solid lube utilizing high performance synthetic lubricants. Moisture resistance and corrosion inhibitors like F lube, with the ability to operate in high temps to 350°F (176°C)	white	-25°F to 350°F (-32°C to 176°C)
C	EPL	Food grade oil-permeated polymer solid lubricant utilizing high performance synthetic lubricants. Designed to resist moisture, with more aggressive resistance to cleaners including strong oxidizers (elements that are high pH.) High temp stability to 350°F (176°C)	white	-33°F to 350°F (-36°C to 176°C)
W	EGL	Food grade graphite-based solid lube resistance to most chemicals (wide pH range, except extreme pH.) Unaffected by moisture, radiation and UV resistant. Wide temperature range -150°F to 250°F. Low friction. Inert nature of graphite can be useful in wide range of applications. EGL is brittle and impact may accelerate loss of the lube. Vacuum grade available: WV.	black	-150°F to 250°F (-101°C to 121°C)
M	EGL	Food grade graphite based solid lubricant designed to operate within the range of most high temperature processing applications, from 250°F to 450°F including submerged in oil & other liquids, in ovens and fryers. UV- and radiation- resistant. Low friction. Hardness of lube can be advantageous with abrasion. EGLs are brittle, M is more brittle than W. Vacuum grade available: MV.	black	250°F to 450°F (121°C to 232°C)
T	EGL	Food grade graphite based solid lubricant designed to operate within the range of industrial- and some food- processing applications, from 450°F to 650°F; intermittently to 900°F is feasible. Abrasion-, radiation- and UV- resistant. Low friction. EGLs are brittle, T more brittle than M. Vacuum grade available: TV.	black	450°F to 650°F (232°C to 343°C)

Note: solid lubricants reduce the maximum speed and load capacity of bearings

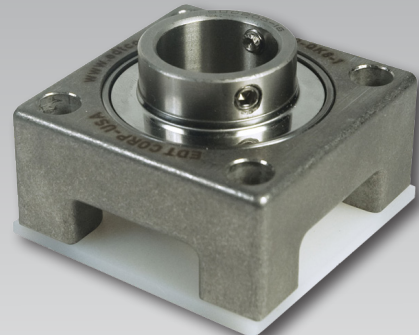
BREADER BEARING SOLUTIONS®

EDT bearings for breaders save maintenance dollars

REUSE most stainless components and **REPLACE** only what's needed

Breader Bearing

ASSEMBLY



Breader Bearing
P/N ZJZA100-QK8-1
(Replaces OEM 3 piece unit)

Stock# _____

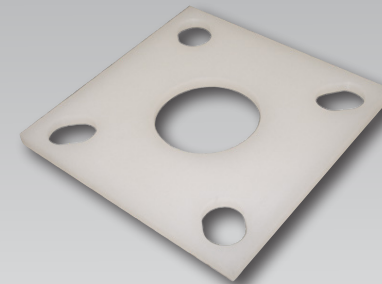
REUSE



4-Bolt Housing (Stainless)
P/N ZA100-QK
(Re-use as often as possible)

Stock# _____

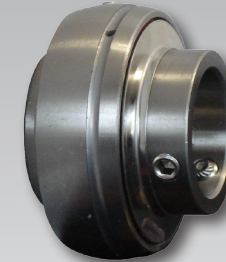
REPLACE



1/8" Thick Seal Plate
P/N PA100-1
(Re-use as long as 1" ID is true)

Stock# _____

REPLACE

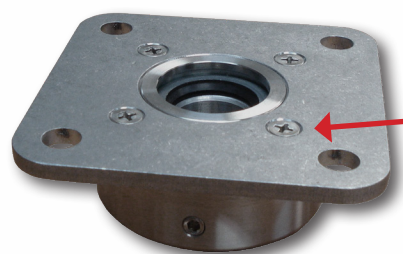


SUC205-16 Stainless Bearing
P/N 4Y205-16FX
(Replace as often as needed - average 6-12 months)

Stock# _____

Breader Auger Bearing

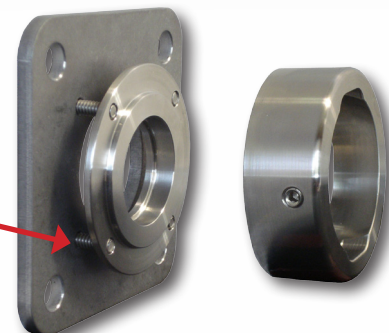
ASSEMBLY



Breader Auger Bearing
P/N ZJZA400-0N8-1

Stock# _____

REUSE



Stainless 4-Bolt Plate | **Stainless Ring**
P/N 4KC + EDTGlove®R | P/N EDTGlove®H
Part of assembly purchase

REPLACE



Exclusionary Seal
EDT-Glove®C
(Replace as often as needed - average 12 months)

Stock# _____

REPLACE



SUC205-16 Stainless Bearing
P/N 4Y205-16FX
(Replace as often as needed - average 6-12 months)

Stock# _____

This hardware has been installed with Loctite® 222 or 242 threadlocker to inhibit the screws backing out from machine vibration. When it is time to change out the bearing insert, it may require extra effort to unscrew the flathead screws. When re-assembling the components, consider renewing the threadlocker.





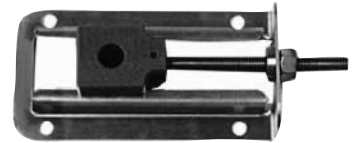
STAINLESS TAKE-UP FRAMES



Weld-on frame



Bolt-on frames

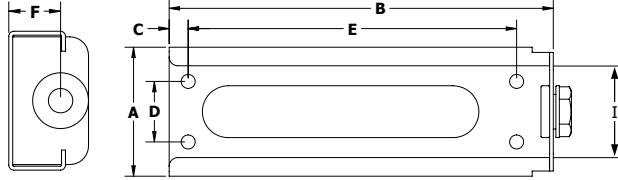
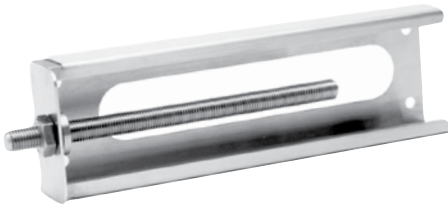


Mini bolt-on frame

Bolt-on and weld-on stainless steel take-up frames: Non-corrosion with maximum cleanability

- 300-series stainless steel frame and hardware for maximum corrosion resistance
 - Wide- and narrow-slot bolt-on style
 - Narrow-slot weld-on style for highest level of sanitation
- Accepts all take-up bearings by EDT and other manufacturers
- Stocking inventory for 3" to 24" travel, shaft sizes from 5/8" to 2-7/16" and metric
- USDA/NSF acceptance - The most sanitary and easy to clean frames available

Narrow Slot Take-Up Frame: Bolt-on

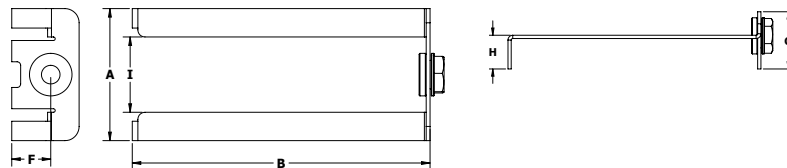


P/N		Wt lbs	Frame Size in inches			Bolt Pattern for 3/8" bolts			Shaft ϕ Height F	Thread Size	Track Width	Frame accepts these shaft sizes		
Size	Travel		I	A	B	C	D	E				Ring	Group	Shafts
TU5BC-	3	2.4	2-5/8	3-3/4	8	35/64	1-3/4	6-1/2	3/4-10	7/64	204	B	1/2, 9/16, 5/8, 11/16, 3/4, 20mm	
	6	3.2			11			9-1/2						
	9	4.0			14			12-1/2						
	12	4.8			17			15-1/2						
TU5DE-	3	3.2	3-1/2	4-41/64	9	35/64	2-3/4	7-1/2	3/4-10	7/64	206	D	1-1/16, 1-1/8, 1-3/16, 1-1/4, 30mm	
	6	4.0			12			10-1/2						
	9	4.8			15			13-1/2						
	12	5.3			18			16-1/2						
	18				24			22-1/2						
	TU5FGH-	3			4.0			4						5-1/4
6		5.0	13	11-1/2										
9		6.6	16	14-1/2										
12		7.8	19	17-1/2										
18			25	23-1/2										
24			31	*										

* Please ask for details

Find take-up bearings in our catalog:
 Poly-Round®.....See section B
 Ball bearing.....See section F
 All-Round®.....See section D

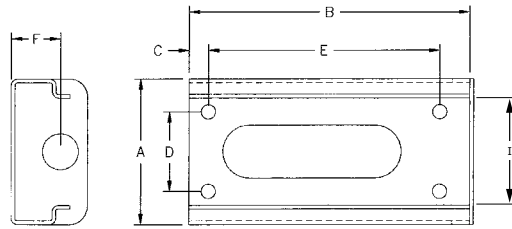
Narrow Slot Take-Up Frame: Weld-on



P/N		Wt lbs	Frame Size in inches					Shaft ϕ Height F	Thread Size	Track Width	Frame accepts these shaft sizes			
Size	Travel		I	A	B	G	H				Ring	Group	Shafts	
TD5BC-	3	1.7	2-5/8	4-1/2	8	2-3/8	1.45	1-3/8	3/4-10	9/64	204	B	1/2, 9/16, 5/8, 11/16, 3/4, 20mm	
	6	1.8			11									14
TD5DE-	3	1.8	3-1/2	5-17/32	9	2-3/8	1.45	1-3/8	3/4-10	9/64	206	D	1-1/16, 1-1/8, 1-3/16, 1-1/4, 30mm	
	6	2.0			12									15
	9	2.4			15									18
	12				18									
TD5FGH-	9		4	6-9/32	15	2-3/8	1.45	1-3/8	7/8-9	9/64	208	F	1-7/16, 1-1/2, 1-9/16, 1-5/8, 40mm	
	12				18									



Wide Slot Take-Up Frame: Bolt-on



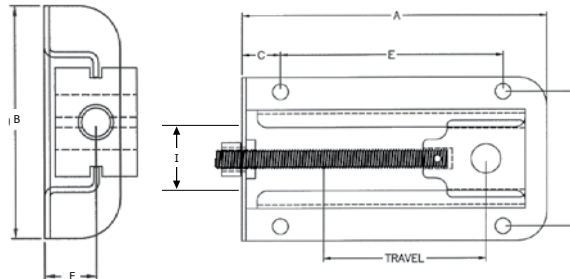
P/N		Wt lbs	Frame Size in inches			Bolt Pattern			Shaft ϕ Height F	Track Width	Thread size	Bolt size	Frame accepts these shaft sizes		
Size	Travel		I	A	B	C	D	E					Ring	Group	Shafts
TU7BC-	3	2.6	3	4-1/8	8	35/64	2-1/4	6-1/2	1-25/64	15/32	5/8-11	3/8	204 205	B C	1/2, 9/16, 5/8, 11/16, 3/4, 20mm 13/16, 7/8, 1, 25mm
	6	3.6			11			9-1/2							
	9	4.6			14			12-1/2							
	12	5.4			17			15-1/2							
TU7DE-	3	3.8	3-1/2	4-41/64	9	35/64	2-3/4	7-1/2	1-27/32	31/64	3/4-10	3/8	206 207	D E	1-1/16, 1-1/8, 1-3/16, 1-1/4, 30mm 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 35mm
	6	4.3			12			10-1/2							
	9	5.4			15			13-1/2							
	12	6.3			18			16-1/2							
TU7FGH-	3	4.5	4	5-1/4	10	35/64	2-3/4	8-1/2	1-63/64	5/8	1-8	3/8	208 209 210	F G H	1-7/16, 1-1/2, 1-9/16, 1-5/8, 40mm 1-1/2, 1-5/8, 1-11/16, 1-3/4, 45mm 1-11/16, 1-3/4, 1-13/16, 1-7/8, 1-15/16, 2, 50mm
	6	6.2			13			11-1/2							
	9	7.6			16			14-1/2							
	12	9.8			19			17-1/2							
TU7IJ-	9	9	5-3/32	6-3/8	18.25	35/64	3-3/4	16-7/16	2-3/8	1	1-1/4	5/8	211 212	I J	2-7/16, 2-1/2, 2-5/8, 2-11/16, 2-3/4 2-13/16, 2-7/8, 2-15/16, 3
TU7KL-	18		6	8-1/2	29	1-1/2	6-1/8	*	2-9/32	1	1-1/2-6	5/8	214 215	K L	2-7/16, 2-1/2, 2-5/8, 2-11/16, 2-3/4 2-13/16, 2-7/8, 2-15/16, 3

* Please ask for details

Find take-up bearings in our catalog:
 Poly-Round®.....See section B
 Ball bearing.....See section F
 All-Round®.....See section D



Mini Narrow Slot Take-Up Frame: Bolt-on



P/N		Wt lbs	Frame Size in inches			Bolt Pattern for 3/8" bolts			Shaft ϕ Height F	Track Width	Frame accepts these shaft sizes
P/N	Travel		I	A	B	C	D	E			
EDTU	4	2.0	1-5/8	7-7/8	4-1/4	1	3-1/2	5-3/4	61/64	5/8, 3/4, 7/8, 15/16, 1, 25mm	

Choose the best bearing for the conveyor

Use Poly-Round® Solution® on:

- Modular plastic belt
- Wire belt conveyors



See Section B (Amber),
pages B10 & B-11,
for Poly-Round® Solution® take-ups

GENERAL WIRE BELT CONVEYORS

*1 Year
GUARANTEED
Application*

NA5G_7_

Sprocketed drive

	Original Bearing	EDT Bearing
Bearing	Cast iron housing with carbon steel ball bearing	Polymer housing with Poly-Round® bearings
Failure	Caustic washdown causes cast iron housings and steel ball bearings to rust. Possible contamination causes compliance downtime.	EDT polymer housing is not affected by water, wash down or chemicals. The KG polymer material is HACCP friendly. No rust, chipping, or peeling
Length of Service	2 weeks- 2 months	12+ months (guaranteed application)
Maintenance Required	Regular greasing and associated activities	Requires no interim maintenance after installation
Features & Benefits	Low initial cost.	<ul style="list-style-type: none"> • Longer life reduces maintenance cycles • Lower <i>total</i> cost of ownership • Higher level of sanitation • Reliable operation with zero maintenance

Use the Stainless Ball Solution® on:

- Flat belts
- High-tension installations
- Overhung loads
- High speed shafts

STARFLEX SHRINK WRAP TRAY PACK MACHINE

ZY5GC8-1 TU5BC-x

Conveyor with tensioned belt

	Original Bearing	EDT Bearing
Bearing	Standard metal ball bearing unit in carbon steel frame	ZY5GC8-1 and TU5BC-3, stainless ball bearing in polymer housing with stainless take-up frame
Failure	Corrosion caused by washdown	Stainless ball bearing inserts require infrequent lubrication but insert, housing and frame are more resistant to caustic washdown chemicals than are standard steel components.
Length of Service	2 months	11 months
Maintenance Required	Requires regular greasing, frequent change-outs due to corrosion	Stainless ball bearings require infrequent lubrication.
Features & Benefits	Low cost of ownership	Longer life, reduced maintenance. Change insert only; housing and frame do not need to be replaced.



See Section F (Light Gray),
pages F-10 & F-11,
for Stainless Ball Solution® take-ups.



USER HANDBOOK

for EDT BEARINGS

(Updated October 2015)

- **PRODUCT GUIDE**
- **INSTALLATION**
- **GENERAL OPERATION**
- **MAINTENANCE**
- **LUBRICATION**
- **TROUBLE SHOOTING**

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EDT Bearing Selection Guide

A quick application reference for EDT products

This is a general reference. For specific recommendations concerning your applications, contact EDT Corp or your local distributor account manager. You will be asked to complete a Bearing Design Checklist (BDC) to assist in this process. A blank Bearing Design Checklist can be found on page O-5.

Bearing application	Type of bearing to use	Refer to this catalog or website section
Modular plastic belt conveyor	NA Poly-Round® bearing	B (Amber) - Poly-Round® Solution®
Wire belt conveyor (flat- or round-wire)	NA Poly-Round® bearing	B (Amber) - Poly-Round® Solution®
Wire belt conveyor in oven, idler rollers	QF Poly-Round® bearing in metal housing (Note: in most cases cast iron housings are used inside ovens)	F (Lt. Gray) - Stainless Spherical Solution® Housings <i>and</i> C (Dk Blue) - Poly-Round® Bearings
Wire belt conveyor in ovens, head and tail pulleys	Ball or other rolling element; standard or solid-lubricated	F (Lt. Gray) - Stainless Ball Solution®
Submerged fryer	FA Poly-Round® bearing in stainless housing for direct food contact QF Poly-Round® bearing in stainless housing for incidental food contact	C (Dk Blue) - Poly-Round® Bearings <i>and</i> F (Lt. Gray) - Stainless Spherical Solution® Housings
Flat-belt and urethane belt conveyor	Ball or other rolling element; standard or solid-lubricated	F (Lt. Gray) - Stainless Ball Solution®
Table-top conveyor (usually high speed and multi-curved)	Ball or other rolling element; standard or solid-lubricated	F (Lt. Gray) - Stainless Ball Solution®
V-belt drive or unsupported overhung load	Ball or other rolling element; standard or solid-lubricated	F (Lt. Gray) - Stainless Ball Solution®
Fans, some pumps	Ball or other rolling element; standard or solid-lubricated (For plane bearings: contact Graphalloy at 914-968-8400 or sales@graphalloy.com)	F (Lt. Gray) - Stainless Ball Solution®
Trunnion	Ball or other rolling element; standard or solid-lubricated	F (Lt. Gray) - Stainless Ball Solution®
Reversing motion or frequent start/stop motion	Poly-Round® or Cylindrical Poly-Round® or Radial Poly-Round®	B (Amber) - Poly-Round® Solution® <i>or</i> C (Dk Blue) - Poly-Round® Bearings <i>or</i> K (Dk. Gray) - Unmounted Radial Bearings
High load + low speed combination	All-Round® or Poly-Round® or Cylindrical Poly-Round® (may require metal housing)	D (Red) - All-Round® Solution® <i>or</i> B (Amber) - Poly-Round Solution®
Low load + high speed combination	Ball or other rolling element; standard or solid-lubricated	F (Lt. Gray) - Stainless Ball Solution®

What are Plane Bearings?

All **Bearings** provide a sacrificial and disposable product between moving parts that are easier and less expensive to replace than more costly and less disposable components. (This is different than a **bushing** which is a device designed to fill an empty space and has no other particular function.)

Plane bearings are devices that have no “rolling” components. They are designed to maintain the centerline position of a shaft or establish a precise location of a structure. The name comes from the geometry “plane” that establishes the point of operation.

Plane bearings are divided into four classes based on the way each type works.

Class I

A lubricated bearing whose source of lubricant must come from the outside. In order to be effective the lubricant must always be present; an absence of the lubricant will result in the journal contacting the bearing wall, and failure of the application.

Primary materials Brass, bronze, iron, babbitt, steel, polymer, wood, phenolic (micarta), elastomer, ceramic.

Principle of operation In a perfect design, the fluid film (lubricant) separates the journal from the bearing wall during normal operation, and eliminates wear.

Class II

A lubricated bearing whose source of lubricant comes from within the bearing wall. In some cases the lubricant is added after the bearing is in its final physical form, and in others the lubricant is built into the matrix of the material during the manufacturing process. In either case, when the lubricant contained within the bearing wall has been exhausted, the journal will contact the bearing wall and will fail in the application.

Primary materials Sintered metals (primarily bronze), polymers (oil filled), ceramic, wood.

Principle of operation In a perfect design, the fluid film (lubricant) separates the journal from the bearing wall during normal operation, and eliminates wear.

Class III

A bearing that requires no separate lubrication, and fails when the bearing wall has been exhausted or when the bearing material has broken down. Failure occurs when the journal centerline can no longer be sufficiently maintained for the application, or the load can no longer be sustained. The bearing must give up of itself in order to perform. (See chart below for list of primary materials.)

Principle of operation – A very thin film of material on the journal that is scraped from the inside of the bearing by the journal provides a suitable working interface between the journal and bearing wall.

Class IV

Any other product that qualifies as a plane bearing by virtue of meeting all of the requirements of the plane bearing definition, but that do not fall into any of the first three classes by its operation.

Class III Bearing Materials

Base Materials		Additives
<ul style="list-style-type: none"> ▪ Steel ▪ Resin (solid) ▪ Polyethylene (low molecular weight) ▪ Filament wound resins ▪ UHMW (polyethylene, ultra-high molecular weight) ▪ Composition resins (wood, paper, cotton, canvas) ▪ Ceramic 	<ul style="list-style-type: none"> ▪ Polyimide ▪ Urethane ▪ PPS ▪ Wood ▪ Peek ▪ PEI ▪ Polyamide-imide ▪ PES ▪ PBI 	<ul style="list-style-type: none"> ▪ PTFE ▪ Graphite ▪ Carbon ▪ Molybdenum ▪ Silicone

PV Calculation Worksheet

PV (Pressure x Velocity) is a method of calculating bearing capacity by determining the amount of heat generated in a plane bearing. PV is the relationship of the load to the shaft speed.

$$\left(\frac{\text{Load on bearing}}{\text{Journal diameter} \times \text{bearing LTB}} \right) = \text{P} \times \text{V} = \text{PV}$$

From chart below
Operational PV of bearing*
(NTE PV limit of material from box below)

Calculate **P (Pressure)** by figuring F/A (force divided by area)

- F = Load on the bearing
- A = Journal size x length thru bore (LTB)

Use this chart to determine V (Velocity):

1. Find row that reflects speed
2. Find column that reflects journal size
3. The point where these two meet is V for this application

Material Operating Limits			
Limiting	P	V	PV
PA	800	50	1,000
AA	2,000	200	2,000
NA	2,000	350	6,000
QB	3,000	400	50,000
QF	6,000	400	60,000
MA	6,000	400	110,000

Bearing / Journal Surface Speed Calculations (V = Surface Feet per Minute)

1500	197	294	393	492	590	786	983	1179	1376	1572
1000	131	197	262	328	393	524	655	786	917	1048
900	118	177	236	295	354	472	590	708	826	944
800	105	157	210	262	315	420	524	628	734	838
700	92	138	184	230	276	368	459	551	642	734
600	79	118	158	197	236	316	393	472	551	629
550	73	108	145	180	217	288	361	432	505	577
500	66	98	131	164	197	262	328	393	459	524
450	59	88	118	148	177	236	295	354	413	468
400	53	79	105	131	158	210	262	315	367	420
350	46	69	92	115	138	184	230	276	321	369
300	40	59	79	98	118	158	197	236	276	315
250	33	49	66	82	99	132	164	197	230	262
200	27	39	53	66	79	106	131	158	184	210
175	23	35	46	58	69	92	115	138	161	184
150	20	30	40	49	59	80	99	118	138	158
100	14	20	27	33	40	53	66	80	92	105
75	10	15	20	25	30	40	50	60	69	79
50	7	10	14	16	20	26	33	40	46	53
25	4	5	7	8	10	13	17	20	23	26
	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4

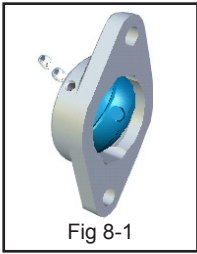
Journal Size (diameter in inches)

Marginal - double check load (P) before selecting a plane bearing

Not recommended to use plane bearings

ENGINEERING NOTES

Installing Poly-Round® bearing into housing



Step 1: Remove a Poly-Round® insert from an EDT housing, unscrew two (2) set-screws (Fig 8-1)

Poly-Round® bearings are designed to fit snugly in the housing. Note that “self-aligning” insert bearings typically do not actually “self-align” with only a thumb press; it is necessary to use a ‘cheater-bar’ through the bore to install, remove, or adjust alignment of most self-aligning inserts into most housings.

If using a housing by another manufacturer, choose Poly-Round® Plus insert.

Step 2: Prepare to install EDT Poly-Round® bearing into housing

Chilling the polymer shrinks it, making it easier to slip in and adjust the location within the sphere. As soon as the polymer returns to room temperature, it will fit as intended in the housing. For easiest installation, chill a new bearing by putting it into a freezer or in ice water for 30–60 minutes.



Poly-Round® insert (with 2 slots on OD)

- A. Fig 8-2: Establish orientation of the drilled insert in the housing; align one of the anti-rotation slots with the tapped hole. One of the anti-rotation slots should line up with the tapped hole.

NOTE: The second slot will be used when the insert has worn too far in one direction. At that time, the insert can be taken out of the housing and rotated 180° to utilize the unworn side of the insert.

Poly-Round® Plus (with pin)

- A. Establish orientation of the [chilled] insert in the housing with the pin in one of the loading pockets (Fig 8-4).



Fig 8-4

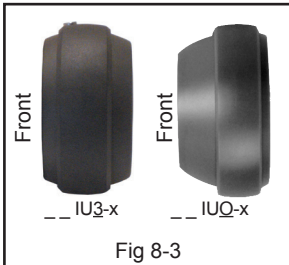


Fig 8-3

- B. To maintain the same length through bore of the assembly, be aware of the direction of the longer side of the insert when you drop the Poly-Round® Plus into the housing. Poly-Round® inserts (__ I_UQ-x) are usually assembled with the long end towards the front of the housing; inserts (_ I_U3-x) are assembled with the short end to the front (Fig 8-3).

- C. Roll the [chilled] bearing into the housing. A ‘cheater-bar’ is a good assist. (The diameter of the bar should be as close to the bearing bore as possible; a wood or plastic bar is preferable because it will cause less damage to the components.)

- D. When the slot is in place under the tapped hole and the insert appears to be aligned in the housing, the set-screw can be installed (Fig 8-5). The first set-screw (the longest one) should make contact with the bottom of the slot in the bearing, then reverse it one (1) full turn. This anti-rotation pin within the slot allows the insert to pivot a few degrees in multiple directions without locking the insert in place. The second setscrew will go on top of the first to lock the first set-screw in place and fill the hole (sanitation).

- D. Install ¼-28 set-screw into threaded hole until flush with surface (sanitation).

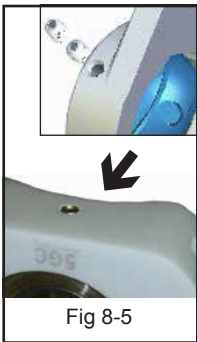
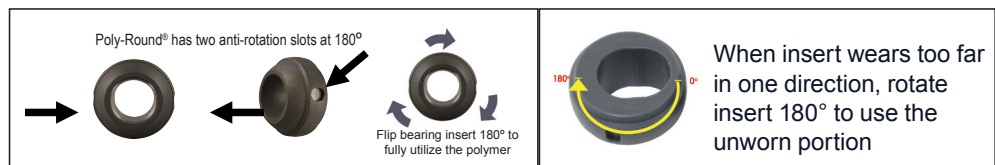


Fig 8-5



See: EDT Poly-Round® Installation video: <http://www.youtube.com/watch?v=N8mXjrZbwYA>

180°



(Continued on next page)

Poly-Round® Bearings (Continued)



Fig 9-1

If using a housing by another manufacturer, choose Poly-Round® Plus

Install the mounted bearing onto the equipment

Step 3: Shaft tolerances

The shaft and bearing tolerances are important to get maximum performance with a plane bearing. Turned and ground shafting should be considered.

RECOMMENDED SHAFT TOLERANCES RUNNING PLANE BEARINGS				
Shaft sizes	1/2" to 1-1/8" 12 – 29 mm	1-3/16" to 1-15/16" 30 – 50 mm	2" to 3-1/8" 51 – 80 mm	3-1/4" to 4-1/2" 81 – 120 mm
DoubleLock® Sleeve	+ .0005 / -.002	+ .001 / -.002	+ .001 / -.002	+ .001 / -.002
Set-screw sleeve	+ .001 / -.002	+ .002 / -.002	+ .003 / -.003	+ .003 / -.003

Step 4: Installing bearing onto equipment

- All housings (polymer or stainless) should be installed with a flat washer under the head of the bolt.
- Use of a lockwasher is at the discretion of the installer; if used, lockwasher should be mounted above the flat washer (Fig 13-1).
- Tighten bolts no more than 25-30 foot-pounds / 300 inch-pounds of torque, no matter what material the housing is (polymer, stainless steel, standard cast metal).

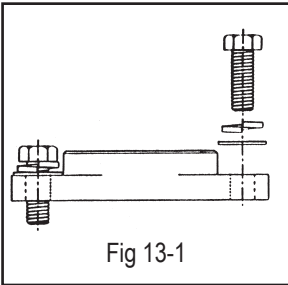




Fig 13-1

Step 5: Mount bearing insert onto shaft

- When mounting bearing insert onto shaft the torque pressure for inner race set-screws should not exceed:

TIGHTENING TORQUE LIMITS OF SCREWS				
	KleanCap® screws on DoubleLock® sleeves	203-208 ring A-F 1/2" - 1 1/2" shaft 1/4-28 UNF 110 inch-pounds	209-212 ring G-J 1 5/8" - 2 7/16" shaft 5/16-24 UNF 200 inch-pounds	214-218 ring L-O 2 1/2" - 3 1/2" shaft 3/8-24 UNF 350 inch-pounds
	Stainless set-screws on locking sleeves	203-205 ring A-C 1/2" - 1" shaft 1/4-28 UNF 29 inch-pounds	206-212 ring D-J 1 1/8" - 2 7/16" shaft 3/8-24 UNF 60 inch-pounds	214-218 ring L-O 2 1/2" - 3 1/2" shaft 1/2-20 UNF 110 inch-pounds

- Use of threadlocker will assure set-screw integrity.

Step 6: Run equipment

- Bearings must be checked after startup to make sure that they are not running hot. If the bearings are running hot, check step 5 again, and look for alignment problems. A Troubleshooting Guide is on page O-27 of the User Handbook (EDT catalog, Section O, or online at www.edtcorp.com).
- If there is still a problem after reviewing the installation, call the factory in Vancouver, WA (Ph: 360-574-7294) or email at sales@edtcorp.com.

Installation posters can be seen/ordered online at:

http://www.edtcorp.com/html_pages/productsheets.html



Poly-Round®



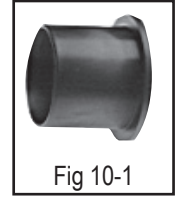
Poly-Round® Plus

Replacing flange bearings into All-Round® spherical inserts

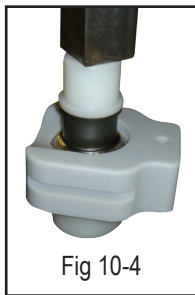
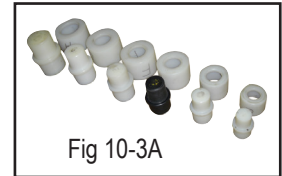


The sacrificial part of an All-Round® is the flanged polymer bearing (Fig 10-1).

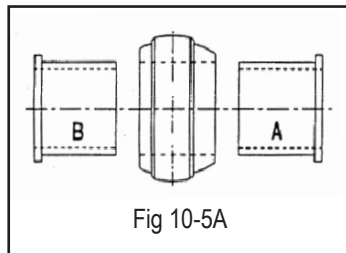
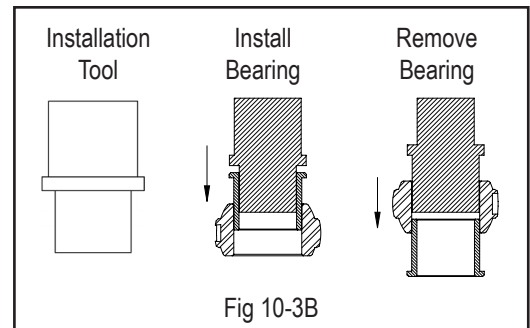
- All-Round® flange bearing sleeves should be changed after the wear has reduced the wall thickness to no more than 3/4 of the original wall thickness, or when the shaft centerline becomes a problem.
- To replace an All-Round® flange polymer bearing, do NOT adjust the setscrews or otherwise tamper with the spherical insert in the housing – these two components should remain AS IS.



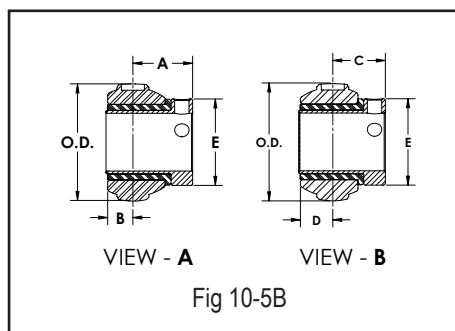
Step 1: Press used flange polymer bearing out of stainless ring (see Fig 10-2). This can be done with an EDT installation and removal tool and any arbor press or drill press. The spherical insert must be positioned on a pipe or some fixture that raises the spherical ring high enough off the bench to remove the bearing. See Fig 10-3A and 10-3B for fixtures that can be purchased from EDT for this operation.



Step 2: Install new EDT flange polymer bearing. When installing replacement All-Round® bearings, note that the flange polymer sleeves are somewhat brittle so they must be gently pressed into the All-Round® spherical inserts. Care should be taken that the flange bearing is perpendicular to the bore of the stainless ring before pressure is applied. Pressure should be applied smoothly and consistently. A drill press or arbor press is ideal for this (see Fig 10-4).



All-Round® bearings can be installed with the polymer flange on either side of the spherical insert (see Fig 10-5A). Locking sleeve must run against polymer and not against a metal surface (see Fig 105B). Units are shipped from the factory as shown in “View A” configuration (see Fig 10-5B); you can specify “View B” assembly to reduce the length thru bore beyond the housing.



For Special Application Conditions See pages O-22 thru J-25
 To install housing onto equipment..... See page O-8

To install All-Round® bearing into housing, see next page



Installing spherical insert into housing

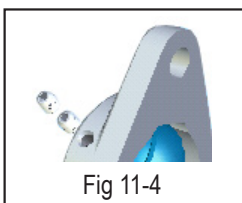
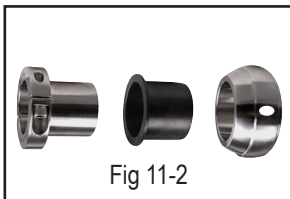
Follow these instructions to install an All-Round® insert into a housing that previously held a different kind of bearing. Once installed there is no need, in most cases, to change out the spherical insert unless the polymer bearing wears through to the stainless insert.

Step 1: To remove the used stainless spherical insert from an EDT housing, unscrew TWO setscrews from the outside of the housing. For housings by other manufacturers, remove any fittings (grease-fitting or tap plug) and remove bearing insert (see Fig 11-1).

Check the I.D. of the housing (especially on a metal housing) for any burrs, scratches, or an obvious out-of-round condition. Repair burrs and scratches as required. An out-of-round condition makes the housing unusable. Refer to page U-23 for a fast and easy way to check housings without expensive tools.

Step 2: Note that the spherical insert is not symmetrical; direction of assembly significantly affects the overall length thru-bore. Also note the slot on the O.D. of the bearing (see Fig 11-2). The slot must be positioned so that it will fall under the threaded hole on the housing.

With all polymer bearing materials EXCEPT “QF” material, the spherical insert with the polymer bearing can be pressed together, and the two pieces can then be handled as one unit. QF flange polymer bearings should be pressed into the spherical insert AFTER the insert is set-screwed in place into the housing. Refer to Step 2 on page O-10 for flange bearing installation procedure.



Roll the bearing into the housing using a round bar that is as close to the bore dimension as possible. This will prevent damage to the bore of the flange polymer liner. If the “cheater bar” is smaller ID than the shaft, it may be helpful to wrap the round bar to avoid excess load on only one small part of the bearing (see Fig 11-3). Wood or polymer bars help reduce bearing damage.

Step 3: Install two setscrews through the housing. The 1st setscrew (long) will make contact with the bottom of the slot in the bearing and then needs to be reversed 1 FULL turn. The 2nd setscrew (short) goes on top of the 1st to lock the first in place and to fill the hole (see Fig 11-4).

Installing ball bearing into housing

Revised 3/24/2014

If you have purchased a ball bearing that is already assembled into the housing, skip ahead to step 4 on page O-13.

Step 1: Inspect the I.D. of the housing for any burrs, scratches, or an obvious out-of-round condition

a) Check the mating parts prior to full installation by performing the following procedure:

- Install the bearing into the installation slots in the spherical housing.
- Hold the bearing between your fingers and turn the bearing in the housing like a key in a lock (Fig 12-1). A bearing that fits properly will turn 360° in the housing. This may require two hands, but if a tool is required to turn the bearing in the housing, the fit is too tight.

b) Repair burrs and scratches as required. An out-of-round condition makes the housing unusable.

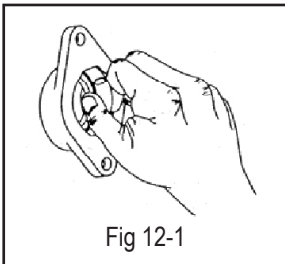


Fig 12-1

Step 2: Select best lubrication option for your facility, and add hardware to housing

- EDT provides a choice of housing hardware: a ¼-28 set-screw AND a ¼-28 grease fitting.
- Install the appropriate hardware: either a set-screw to plug hole, or a grease fitting to re-lube into the housing depending on how you choose to maintain your ball bearings (with regular re-greasing or sealed-for-life).

NOTE: Solid lubricant eliminates issues related to over-greasing; bearings will run more cleanly and eliminates the labor and materials of regreasing. However, in a highly corrosive chemical environment, lubricants may prematurely degrade and not fully protect the races from chemicals. Even with a solid lubricant, an occasional shot of grease can prolong bearing life.

Step 3: Insert ball bearing into housing

- If there is an anti-rotation pin on the O.D. of the bearing, the pin must be positioned to slip into the loading slot of the housing (Fig 12-2a).
- Use a round bar sized as close to the bore dimension as possible to roll the bearing into the housing (Fig 12-2b).
- Uncommon shaft sizes are accommodated by EDT with a stainless bushing (Fig 12-3) that slides between the inner race and the shaft. A long set-screw retains it in place. In many cases, bushings can be reused through several bearing changes. Do not tighten more than the listed pressure limits (refer to Step 6); over-tightening set-screws may cause the inner ring to crack.*

*An alternative to set-screw locking is eccentric locking ball bearings. Eccentric style is a more positive locking system than set-screws. Eccentric bearings are not for reversing installations.



Fig 12-2a

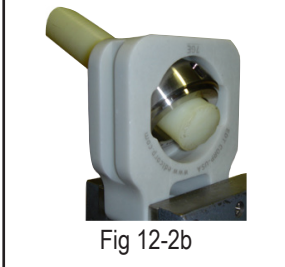


Fig 12-2b



Fig 12-3

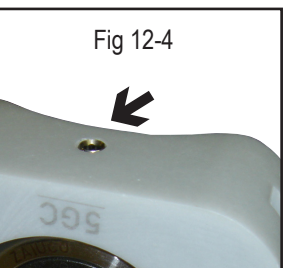


Fig 12-4

HOUSING HARDWARE		
	EDT Housings	Other brand housings
Re-lubricatable ball bearing	<ul style="list-style-type: none"> • To regrease: install ¼-28 grease fitting into threaded hole • To maintain sealed-for-life: install ¼-28 set-screw into threaded hole until flush with surface (Fig 12-4) 	<ul style="list-style-type: none"> • Check that grease hole of insert will align with grease ring of housing. Housing requires a grease fitting to accommodate a grease gun.
Solid lubricated ball bearing	<ul style="list-style-type: none"> • To rely on solid lubricant only: install ¼-28 set-screw into threaded hole until flush with surface (Fig 12-4) 	<ul style="list-style-type: none"> • Remove grease fitting and replace with set-screw or pipe plug. This bearing typically does not need grease.**

**As cleaning chemicals in the plants become more corrosive, solid lubricants do not always protect the races from the chemicals. An occasional shot of grease in a solid lube bearing generally corrects this problem.

(Continues on next page...)

Installing ball bearing unit onto equipment

Revised 3/24/2014

Step 4: To get the maximum performance with a ball bearing, the shaft size and the bearing I.D. size must be closely matched. Turned and ground shafting should be considered.

RECOMMENDED SHAFT TOLERANCES RUNNING BALL BEARINGS							
Shaft sizes: 1/2" to 1-1/8" 12 – 29 mm		Shaft sizes: 1-3/16" to 1-15/16" 30 – 50 mm		Shaft sizes: 2" to 3-1/8" 51 – 80 mm		Shaft sizes: 3-1/4" to 4-1/2" 81 – 120 mm	
Max	+0 inch	Max	+0 inch	Max	+0 inch	Max	+0 inch
Min	-.0006 in/ -.015mm	Min	-.0006 in/ -.015mm	Min	-.0007 in/ -.017mm	Min	-.0009 in/ -.023mm

Step 5: When mounting housing onto equipment

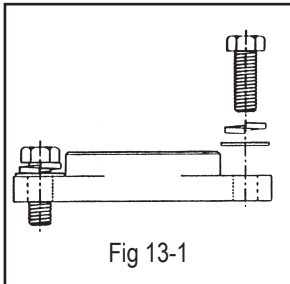


Fig 13-1

- All housings (polymer or stainless) should be installed with a flat washer under the head of the bolt.
- Use of a lockwasher is at the discretion of the installer; if used, lockwasher should be mounted above the flat washer (see Fig 13-1).
- Tighten bolts no more than 300 inch-pounds (25-30 foot-pounds) of torque, no matter what material the housing (polymer, stainless steel, cast metal)

Step 6: When mounting bearing insert onto shaft, torque pressure for inner race set-screws should not exceed these limits:

TIGHTENING TORQUE LIMITS OF STAINLESS SET-SCREWS			
On set-screw locking bearings*			
203-206 ring A-D	207-209 ring E-G	210-212 ring H-J	214-215 ring L-M
29 inch-pounds	60 inch-pounds	110 inch-pounds	~170 inch-pounds
*An alternative to set-screw locking is eccentric locking ball bearings. Eccentric style is a more positive locking system than set-screws. Eccentric bearings are not for reversing installations.			
On eccentric locking bearings			
203-205 ring A-C	206-210 ring D-H	211-215 ring I-L	216-220 ring M-P
35 inch-pounds	74 inch-pounds	~155 inch-pounds	~245 inch-pounds

Use of threadlocker will assure set-screw integrity.

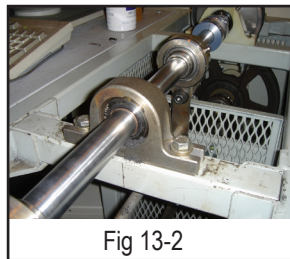


Fig 13-2

Step 7: Run equipment

- Bearings must be checked after startup to make sure that they are not running hot (Fig 13-2). If the bearings are running hot, check step 5 again, and look for alignment problems. A Troubleshooting Guide is on page O-27 of the User Handbook section of EDT catalog, or online at www.edtcorp.com.
- If there is still a problem after reviewing the installation, call the factory in Vancouver, WA (Ph: 360-574-7294) or email at sales@edtcorp.com.

RED FLAG ALERT!



Stainless ball bearings can RUST since the balls and races are made of 400-series (hardenable) stainless steel. High concentrations of cleaning solutions, as well as other strong chemicals, will speed the corrosion process.

OPTION: Check with EDT for assistance to see if a Poly-Round® or other plane bearing might be an option for your application.

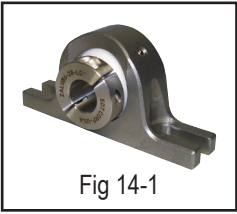


Fig 14-1

Installing Poly-Round® mounted bearings onto equipment

Note: There are TWO setscrews through the outside of the EDT housing. These are pre-set at the factory and do not require adjustment in the field (see Fig 14-1).

Step 1: Mount bearing and housing assembly onto machine.

- **Always use a flat washer** under the hex head of the bolt.
- Use of a lockwasher is at discretion of the installer; lockwasher would be placed **above** the flat washer (see Fig 14-2).

Tighten bolts no more than 300 inch-pounds (25-30 foot-pounds) of torque, no matter what material the housing (polymer, stainless steel, standard cast metal).

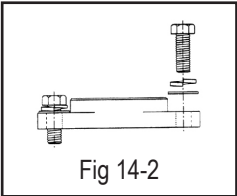


Fig 14-2

Step 2: A. Threadlocker is recommended on all threads.

(Do this at time of installation, so threadlocker is fluid when tightening onto shaft.)

1. Setscrews: On setscrews, back out the setscrew, put drop of threadlocker in the tapped hole, and reinstall.
2. Bolts: back out the screw about half-way (5 turns), put drop of threadlocker at the neck of the thread so as screw is re-tightened, threadlocker is worked into the threads.

B. Locking sleeve must run on polymer (with a slight gap at flange*), not run against metal.

1. On Poly-Round® units, locking sleeve may thrust against either side of the insert since it is entirely polymer.
2. On All-Round® units, locking sleeve must thrust against polymer flange of the plastic bearing.

C. Tighten set screws or cap screws so sleeve is secured on shaft.

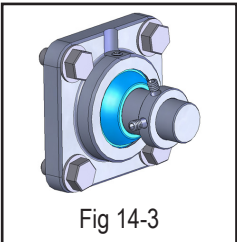


Fig 14-3



Fig 14-4

* Leave a .005 gap (paper thickness) between the SS flange of the locking sleeve and the side of the bearing (see Fig 14-4).

TIGHTENING TORQUE LIMITS OF STAINLESS SET-SCREWS

On setscrew locking bearings			
204-206 ring size: 29 inch-pounds	207-209 ring size: 60 inch-pounds	210-212 ring size: 110 inch-pounds	213-215 ring size: ~170 inch-pounds
On eccentric locking ball bearings			
1/4-28 UNF: 35 inch-pounds	5/16-24 UNF: 74 inch-pounds	3/8-24 UNF: ~155 inch-pounds	1/2-20 UNF: ~245 inch-pounds

Step 3: Once the bearings are mounted, and before drives and belts (or other devices) are installed, make sure the shaft freewheels inside the bearings.

- If the shaft does not freewheel, the bearing must be adjusted inside the housing to better align with the shaft.
- If necessary, use a 'cheater bar' in the bearing bore to assist: the diameter of the bar should be as close to the bearing bore as possible; a wood or plastic bar is preferable because it will cause less damage (see Fig 14-6).
- Once shaft freewheels correctly, attach drive mechanisms and belts.
- When bearings are fully installed, check again for freewheeling. If equipment does NOT freewheel as it did before tightening bolts, back them off, adjust alignment or housing placement as needed for operation without excess 'drag.'

Step 4: Run equipment.

- EDT Poly-Round® bearings will run warmer than ball bearings, but they should never run so warm that you cannot hold your hand on the bearing.
- If an EDT bearing is warmer than your hand can tolerate, refer to Step 3 to adjust the alignment of the bearing and assure that the shaft freewheels.
- If bearing continues to run hotter than you are able to touch, refer to the Troubleshooting Guide on page O-28.
- For troubleshooting or other assistance, contact EDT factory by phone: 800-810-7110 or email: edtsales@edtcorp.com.



Cylindrical profile bearings

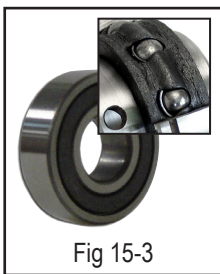
Radial Poly-Rounds® (Fig 15-1) are excellent in applications with:

- Low to moderate shaft speed
- High temperature (up to 500°F)
- Low temperature to cryogenic
- Submerged, chemical, brine, wash-down



Re-grease-able stainless ball bearings (Fig 15-2) are excellent in applications with:

- High speed
- High tension
- Corrosive atmosphere
- Environments where lubrication is not a problem



Solid lubricated stainless ball bearings (Fig 15-3) are excellent in applications with:

- High speed
- High tension
- Difficult to maintain locations
- Corrosive atmospheres
- Extremes of temperature (high to 650°F, low to -250°F, vacuum) – specify requirement when ordering



All-Round® Supreme ER bearings (Fig 15-4) are excellent in applications with:

- High load
- Moderate speeds
- Frequent start/stop
- Submersion, chemical, brine, washdown
- Low temperature, to cryogenic
- High temperature, to 500°F (sustained, not intermittent)

Most unmounted bearings have no means of self-alignment, so it is critical that the shaft and the equipment are straight and square.

Installing onto equipment

Step 1: Inspect location where the bearing will be installed. Check for burrs, scratches, rust, etc. that may adversely affect the installation of the bearing. If there are imperfections, repair the location prior to installing the bearing. Tube and pipe rollers also must be straight, as well as the shafting that supports them, or they will “thump” with every revolution.

Step 2: Install bearing.

OD-press bearings should be installed with an arbor or some means of pressing the bearing squarely into the housing while pressing on the circumference of the outer race.

ID-press bearings must be installed evenly onto the shaft while pressing on the inner hub or ID of the bearing.

Step 3: Radial Poly-Round® and solid lubricated ball bearings are designed not to be regreased for the life of the bearing.

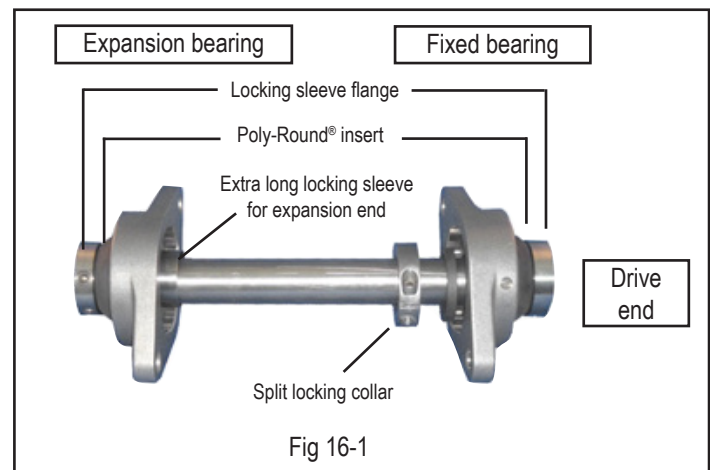
Installing EDT bearings in high temperature locations

Heated locations like dryers, ovens and fryers are very common in many industries as food is cooked, bulk chemicals dried, fiber glass baked, and heat-treated metal parts quenched, etc. In high temperature applications, the expansion of different materials relative to each other causes design difficulties and must be addressed in the bearings that allow these heated devices to move.

Materials expand with increasing levels of temperature and things that are fixed at both ends of an expanding material will break. It is for this reason that expansion bearings came about. EDT's plane bearings work very well in high temperature conditions with a fixed bearing on the drive side of a device and an expanding bearing on the opposite side (see Fig 16-1).

Bearing installation in high temperature locations

The fixed bearing should be an EDT Poly-Round® out of a high temperature material in a metal housing with a locking sleeve flange on one side of the bearing and a split set collar on the opposite side of the same bearing. This allows control of the lateral movement of the shaft to be contained by just the one bearing. The opposite expansion bearing should be a Poly-Round® out of high temperature material in a metal housing with locking sleeve that has an extended length body. The locking sleeve fixed to the shaft now has a longer journal to accommodate the float of the shaft as the temperature increases and decreases. The flange of the locking sleeve of the expansion bearing must be on the outboard side of the oven (see diagram). (Call EDT if space limitations require inside mount.)



With few exceptions, lubricants of all kinds should not be applied in hot applications.

Food grade high temp materials

Fryer bearings associated with food processing must, in most cases, be approved as a "food ingredient." EDT's FA bearing material makes the grade for temperature (operates to 500°F), for USDA/FDA criteria and for ease-of-maintenance. As with all other high-temperature applications, this must be in a Poly-Round® style (see Fig 16-2).

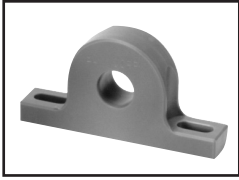


High speed or tension locations

High temperature locations with high speed or tension (flat belt take-ups, pumps, fans operating above 300°F ambient temperature) will be well served with high temperature, solid lubricated ball bearings. Operating temperature must be specified, and stainless, standard or "special material" bearings are all available options.

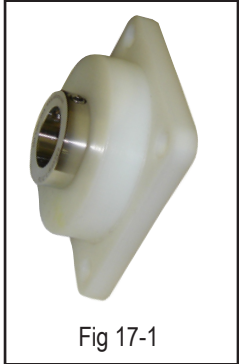
Threads

Since continuous expansion and contraction of metals will cause threaded products to vibrate loose, it is necessary to use an appropriate threadlocker on all setscrews.



Installing block bearing onto equipment

Step 1: Mount block bearing onto machine. Slide locking sleeve into bearing bore. Locking sleeve may be placed against either side of the bearing since the entire block is bearing-grade material (see Fig 17-1). Leave a .005 gap (paper thickness) between the stainless flange of the locking sleeve and the side of the bearing. Apply threadlocker when tightening the setscrews or bolts to insure that the locking sleeve will remain SECURELY in place.



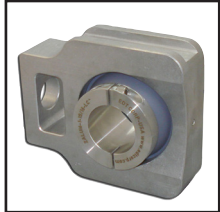
Step 2: After the bearings are mounted, and before drives and belts (or other devices) are installed, make sure that the shaft freewheels inside the bearings. If not, the bearing must be shimmed to better align with the shaft. Block bearings have the disadvantage of not being able to adjust internally like a self-aligning bearing, so must be adjusted externally. Attach drive mechanisms and belts only after shaft freewheeling is confirmed.

Step 3: Run equipment. EDT block bearings will run warmer than ball bearings but should never run so warm that you cannot hold your hand on the bearing. If it runs warmer than your hand can tolerate, and Step 2 in the assembly has been accomplished, call the factory and we will help you with troubleshooting. Also, a Troubleshooting Guide is on page O-27 of this manual.



Assembling and installing take-up frame onto equipment

EDT stainless steel take-up frames (Fig 16-1) are designed to bolt or weld directly onto a machine frame. Both narrow and wide slot designs are available which accept all industry standard housings. EDT stainless take-up units are made from a heavy gage of folded stainless sheet metal and will accommodate most loads. Applications with extreme side loading may require a heavier unit. A load large enough to damage a frame will also bend the shaft.



Wide slot installation

The tensioning screw with wide slot housings can be installed either before or after the housing is installed on the rail. The end of the tension screw will reside in the open hole at one end of the housing and extend into the adjustment nut slot. There will be one stainless nut in that slot and another on the tensioning screw outside the housing that will tighten up against the flat end of the housing. The pair of these nuts will keep the screw from moving out of position during operation. All of the stainless hardware is included with the take-up frame when shipped (see Fig 18-2).

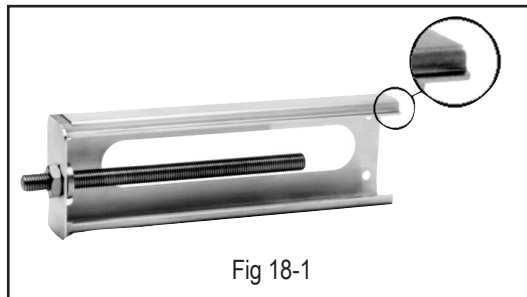


Fig 18-1

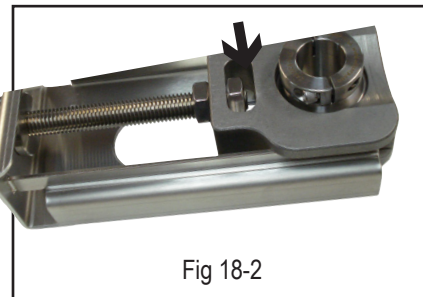


Fig 18-2



Narrow slot installation

The tensioning screw with all narrow slot housings utilizes a split pin to attach the housing. Any split pin installation after the housing is installed in the take-up frame is inviting a failure of the slot and is not recommended. The tensioning screw should first be installed in the housing while the housing can be fully supported behind the pin. This is best accomplished with a small arbor press or a drill press (see Figs 18-3 through 18-6).

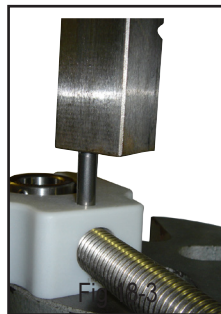


Fig 18-3

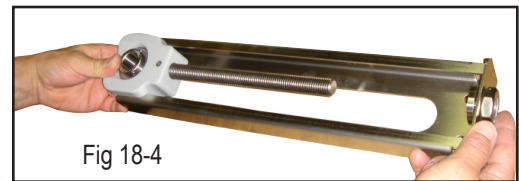


Fig 18-4

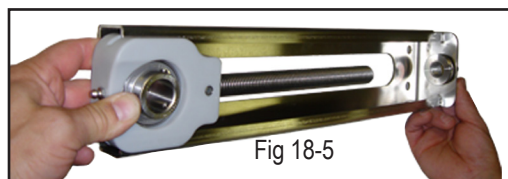


Fig 18-5

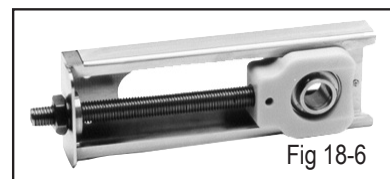
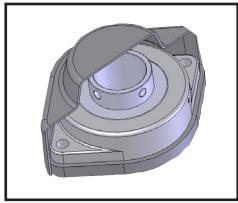


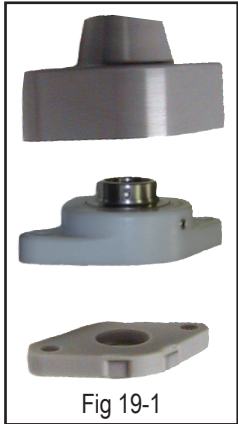
Fig 18-6



Assembling and installing Bearing Glove® onto equipment

The Bearing Glove® surrounds a 2-bolt bearing (typically a ball bearing) with 360° of protection from solid contaminants including:

- Abrasives
- Bulk solids
- Powders



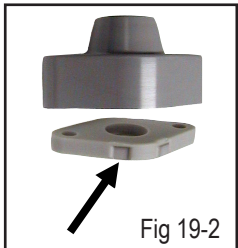
The EDT Bearing Glove® is designed to be a self-sufficient installation. The Glove® completely encases the bearing to provide a contaminant-free area of operation around the shaft and bearing. Figure 19-1 shows the three piece assembly of:

- Cover
- Any brand of 2-bolt flange bearing
- Base with seal

The Glove® cover has a built-in tab that snaps over a notch in the base. However, in some applications the tab may not keep the pieces together as securely as required. Some additional assembly options are shown below. Choose the one that best fits your specific application.

Fig 19-1

Assembly option #1



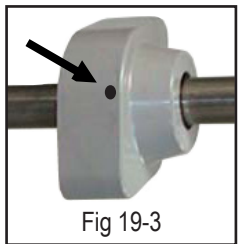
Step 1: Bolt bearing and Glove® base to machine frame. Note slot direction on base (see Fig 19-2).

Step 2: Snap Glove® cover over bearing assembly (see Fig 19-2).

Step 3: Some Glove® sizes use push-in fasteners that are supplied.

Fig 19-2

Assembly option #2



Step 1: Assemble Glove® and bearing as in Option 1.

Step 2: Drill a small hole through the wall of the Glove® cover and into the edge of the base (see Fig 19-3).

Step 3: Install self-tapping screw to secure. Use as many screws as you feel are required for your application.

Fig 19-3

The Glove® is not intended for on/off bearing coverage. Installations that require frequent access to the insert should consider bearing caps.

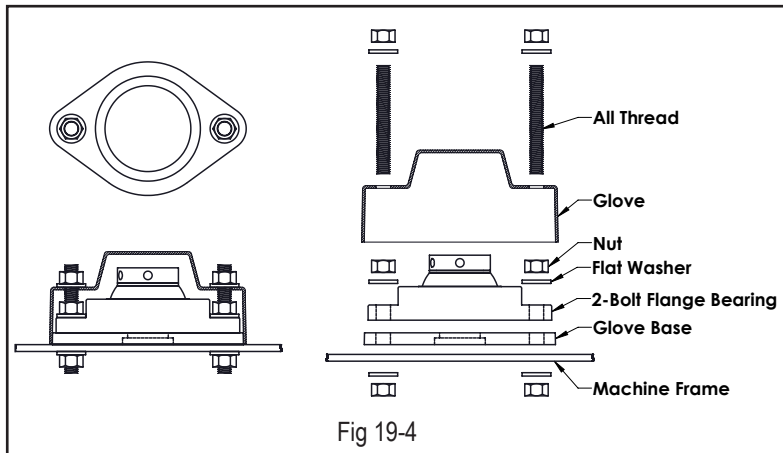
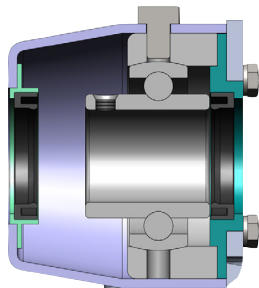
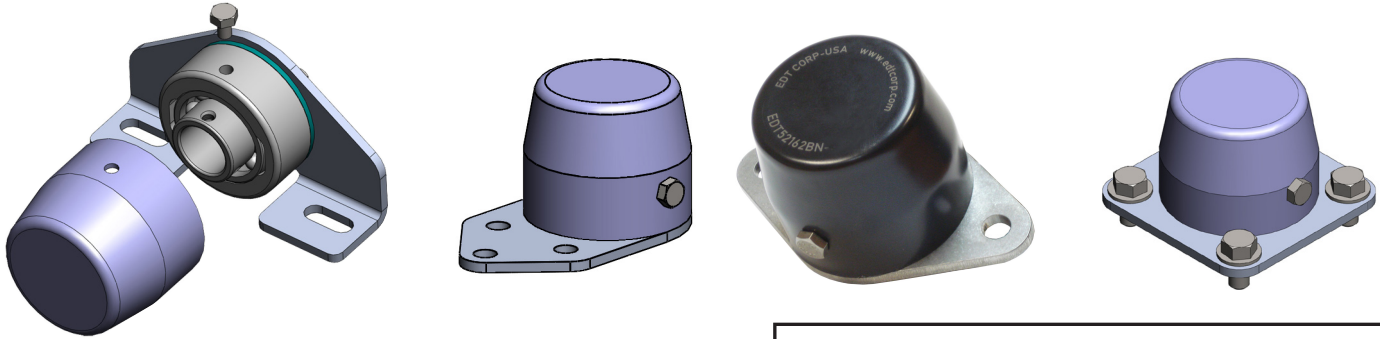


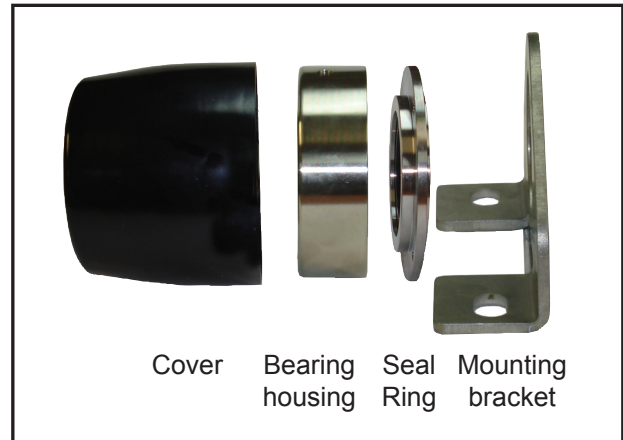
Fig 19-4

	Qty	C Glove® (205 ring)	F Glove® (208 ring)	H Glove® (210 ring)
ss all-thread	2 ea	7/16" x 2-1/4" long	1/2" X 3" long	1/2" x 3-1/2" long
Drill holes		15/32"	17/32"	17/32"
ss hex nuts	6 ea	7/16"	1/2"	1/2"
ss flat washer	6 ea	7/16"	1/2"	1/2"
Option if packing with grease to keep out liquid contaminants		<ul style="list-style-type: none"> ▪ Add 4 each rubber flat washers. ▪ Drill cover to accept grease fitting. (Take the fitting off the 2-bolt bearing and screw it into the cover.) 		

Installing *Glove*® 2 with Poly-Round® bearing or ball bearing



Cross section of thru-bore *Glove*®2 showing
Cover with seal, setscrew lock ball bearing in
Bearing Housing with Seal Ring and seal in Mounting Bracket



Marking on The *Glove*®2 that you have received indicates the product you have ordered:

EDT	72	23	G	B	N	-	ZY	S
	Housing size (in mm)	ID size (in 16 th inch)	Mounting bracket G = Pillow block 2 = 2-Bolt 3 = 3-Bolt 4 = 4-Bolt	Cover style B = Blind T = Thru	Seal N = Nitril seal V = Viton seal		Bearing insert* <u>Ball:</u> Z = Stainless Y = Food grade grease J = food grade solid lubricant <u>Poly-Round® style:</u> Use 2 letter polymer material identifier	Lock device L = DoubleLock® S = Setscrew lock E = Eccentric lock

***A ball bearing is recommended in The *Glove*®2 and The *Glove*® because ball bearing more tightly maintains the centerline which is critical to maintain integrity of the seal.**

Step 1 (*Ball bearing Insert* and *Poly-Round*® *Insert*)

- The *Glove*®2 assembly that you have received consists of:
The Bearing insert in the Bearing Housing bolted to the Mounting Bracket with Seal Ring and seal attached.
The Cover and hardware to assemble *Glove*® Cover is included but unassembled
- If there is a locking sleeve or eccentric collar, remove this from the assembly.
- Slide the bearing over the shaft. Move assembly into location on the equipment.
- Bolt Mounting Bracket onto equipment – use a flat washer under the head of the mounting bolts.
 - Do not tighten down the bolts until all of the *Glove*® assemblies and bearings are in place.
 - Use of a lock washer is at the discretion of the installer. Lock washer should be installed **above** the flat washer.

(Continues on next page...)

Step 2

Ball Bearing Insert

- For setscrew lock: Back out the setscrew and put a drop of thread-locker on the setscrew.
- For eccentric lock: Back out the setscrew and put a drop of thread-locker on the screw as you screw it tight against the shaft. Use an allen wrench in the setscrew to turn the collar until it seats onto the inner ring of the ball bearing; tighten setscrew against the shaft.

Poly-Round® Insert

- Slide locking sleeve over the shaft and into the bearing.
- Position sleeve flange against one side of the polymer bearing. (Metal of sleeve should NOT contact another metal part.)
- Locate the sleeve flange with .005" gap (thickness of a business card) between the sleeve flange and the polymer side of the bearing.
- Back out the setscrew and put a drop of thread-locker on the setscrew as you screw it tight against the shaft.

Step 3 (Ball bearing Insert and Poly-Round® Insert)

- After the Glove®2s are all mounted, before the drives, belts, or other devices are connected – **and before the covers are installed** – make sure the shaft free-wheels inside the bearings.
- If shaft does NOT free-wheel, adjust the bearing insert inside the housing or shift the Mounting Brackets as needed to better align with the shaft.
- When shaft free-wheels, tighten the mounting bolts of the Mounting Bracket. Bolt pressure should not exceed 25 to 30 foot/pounds of torque.
- After Mounting Brackets are tightened into place – and before adding the Covers – again verify that shaft free-wheels before adding covers. (If not, loosen bolts and adjust locations as needed.)

Step 4 (Ball bearing Insert and Poly-Round® Insert)

- Slip Glove®2 Cover over the Bearing Housing. Align hole(s). Install with hardware provided.

Step 5 (Ball bearing Insert and Poly-Round® Insert)

- Bearing inserts (ball bearings or Poly-Round® or All-Round®) should never be so loose in the Bearing Housing that they are actually free-“self-aligning.” Proper bearing fit requires leverage of the shaft to align. Misalignment causes DRAG on the system which generates excess heat that will prematurely fail the bearing inserts.
- Run equipment.

Ball Bearing Insert

- If ball bearing insert runs warmer than your hand can tolerate, check shaft alignment (per Step 3.)

Poly-Round® Insert

- EDT Poly-Round® bearings will run warmer than ball bearings but should never run so warm that you cannot hold your hand onto the bearing. If it runs warmer than your hand can tolerate, check shaft alignment (per Step 3).

To replace worn bearing (Ball bearing Insert and Poly-Round® Insert)

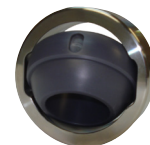
- Back out the bolt(s) that secure the The Glove®2 cover.
- Remove the Mounting Bracket from the equipment (may not be necessary with pillow blocks).
- Remove the Bearing Housing from the Mounting Bracket.

Ball Bearing Insert

- Roll the bearing out of the bearing housing.
- Roll new ball bearing insert into the Bearing Housing.

Poly-Round® Insert

- Roll the bearing out of the bearing housing.
- Over time, the Poly-Round® insert will wear in the direction of the load. When the centerline is no longer workable, or when the seal will no longer function, replace the Poly-Round® insert.
- Roll Poly-Round® into bearing housing.
- Poly-Round® should be installed with the slot aligned with one of the tapped holes in the Bearing Housing.



(Ball bearing Insert and Poly-Round® Insert)

- Straighten the insert in the Bearing Housing to a position that appears to be aligned.
- Screw the bearing housing onto the Mounting Bracket
- Replace the seal as required.
- Follow Steps 2 and 3 to assure the shaft is freewheeling before you tighten The Glove®2 assembly to the equipment.
- Reattach the Glove®2 (step 4).

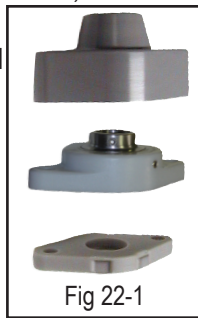
Special Application Conditions

Many bearing applications fall out of “the norm” and often there is no choice except to change the product or break the generally accepted rules of design to accommodate these difficult conditions. Here are some difficult conditions in which EDT bearings have been called upon, and suggestions to extend bearing life as long as possible. These recommendations are based on the premise that “ambient temperature” is 70°F.

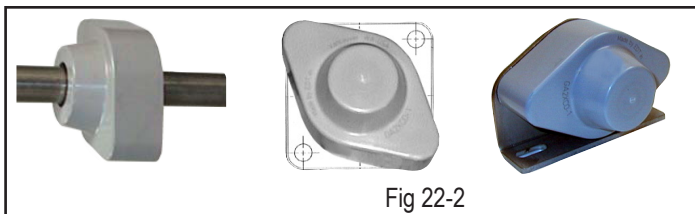
Abrasion

All moving parts (bearings, by their nature, allow parts to move) are affected by solid abrasives. It is impossible to predict the longevity of any specific product, including an EDT bearing, in a solid abrasive environment because there are so many unknown factors involved. Take, for example, salt. It is both hard and soft, smooth and rough-edged, and different colors. Typically, bearing seals are called upon to combat abrasives, but even the best bearing seals are a compromise because bearings need to allow parts to move against each other and in so doing, the seal is not tight. The best option for extending bearing life in abrasives is to cover up the bearing.

For this, EDT developed the Bearing Glove® (see Fig 22-1) that completely encapsulates the bearing and housing with a sealed plate on the bottom and a sealed cover on the top. This device is very effective, and is even more effective if it is filled with grease. The stationary grease captured by the Glove® cover is nearly 100% effective. Any bearing mounted inside the Glove® does not require lubrication for the life of the product. Like all EDT products, the Glove® is designed to accommodate all other industry standard designs.



The Glove® is designed to mate with 2-bolt flange housings. Since the diagonal distance across the bolt holes of a 4-bolt flange are the same as a 2-bolt flange, a 2-bolt Glove® can be used to retrofit 4-bolt locations. An optional stainless angle allows 2-bolt flange housings to be mounted upright, like pillow blocks, so the 2-bolt Glove® can also retrofit for pillow blocks (see Fig 22-2). With the Glove®, three styles of bearings can accommodate complete exclusion of solid contaminants.



Cold

Cold operations generally fall into the two categories of below -40° or above -40°. If ammonia refrigerant is used, the application will never be below -40°. (Note that -40°F and -40°C are the same temperature.)

All of EDT's standard catalog bearings can be used in freezers down to -40°. There are no material restrictions or bore changes required at this low temperature, but the Poly-Round® style of bearing is generally better than the All-Round® bearing unless there are other unique application considerations.

For applications below -40°, it is important to inform EDT of the temperature requirement at time of order because changes in dimensions and materials may be necessary.

- No polymer bearing housings, including EDT's "KG" material housing, should ever be used below -40°.
- No ALL-ROUND® style bearings should ever be used below -40°.
- Use only steel or stainless steel housings.
- Use only Poly-Round® bearings with "Below Temp" bore dimensions. Note this requirement in the part number of the bearing by adding suffix "B" (i.e. NA2GC7-1**B**) for below temp installation.

Stainless housings and Poly-Round® bearings can be used with ALL kinds of refrigerants including carbon dioxide and nitrogen.

- It is NEVER wise to use a lubricant in a low temperature freezer (the congealed grease will shorten the life of the bearing). For high speed or high tension low temperature locations, consider EDT's low temperature solid lubricated ball bearings.
- ALWAYS use a threadlocker on all setscrews on rotating equipment.

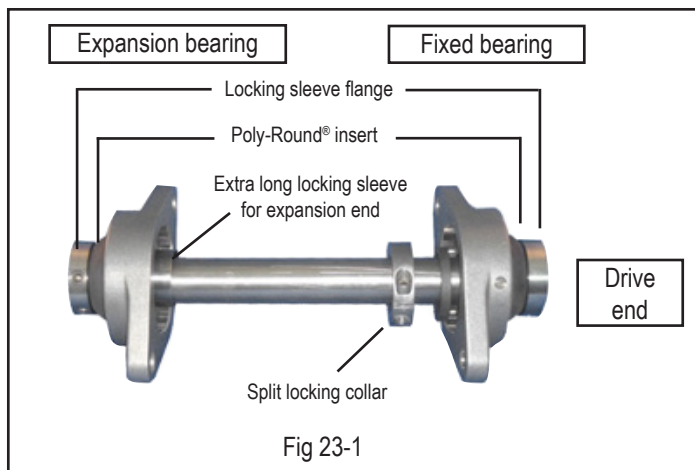
EDT's Sales and Engineering staff can assist with selecting the right bearing product for your low temperature needs.

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Heat

Heated locations like dryers, ovens and fryers are very common in many industries as food is cooked, bulk chemicals dried, fiber glass baked, and heat-treated metal parts quenched, etc. In high temperature applications, the expansion of different materials relative to each other causes design difficulties and must be addressed in the bearings that allow these heated devices to move.

Materials expand with increasing levels of temperature and things that are fixed at both ends of an expanding material will break. It is for this reason that expansion bearings came about. EDT's plane bearings work very well in high temperature conditions with a fixed bearing on the drive side of a device and an expanding bearing on the opposite side (see Fig 23-1).



The **fixed bearing** should be an EDT Poly-Round® out of a high temperature material in a metal housing with a locking sleeve flange on one side of the bearing and a split set collar on the opposite side of the same bearing. This allows control of the lateral movement of the shaft to be contained by just the one bearing. The opposite **expansion bearing** should be a Poly-Round® insert with an extended length body locking sleeve. The locking sleeve fixed to the shaft now has a longer journal to accommodate the expansion of the shaft as temperature increases. The flange of the locking sleeve of the floating end bearing must be on the outboard side of the oven (see Fig 23-1). (Call EDT if space limitations require inside mount.)

Fryer bearings associated with food processing must, in most cases, be approved as a "food ingredient." EDT's FA bearing material makes the grade for temperature (operates to 500°F), for USDA/FDA criteria and for ease-of-maintenance. As with all other high-temperature applications, this must be in a Poly-Round® style.

High temperature locations with high speed or tension (flat belt take-ups, pumps, fans operating above 300°F ambient temperature) will be well served with high temperature, solid lubricated ball bearings. Operating temperature must be specified and stainless, standard or "special material" bearings are all available options.

Since continuous expansion and contraction of metals will cause threaded products to vibrate loose, it is necessary to use an appropriate threadlocker on all setscrews. With few exceptions, lubricants of all kinds should never be applied in hot applications.

Horizontal shafts

The most common mounting orientation for shafting is horizontal. Mainly because of gravity it is easier to manage this orientation. All bearings must generally do three things:

1. Maintain shaft centerline
2. Allow movement in some direction and speed
3. Control shaft movement laterally through the bearing.

When horizontal, item 3 is much more manageable and causes less maintenance headaches.

Mounted ball bearings will generally have an extended inner ring with some type of mechanism for "gripping" the shaft which could be setscrews at 90° or a squeeze- or cam- lock mechanism. This will control the lateral movement of the shaft.

Plane bearings offer their own special challenges. In some applications, shafts are held in place by another machinery-specific mechanism while in others, a separate device is required. Sometimes, a separate locking collar that limits the movement opposite the direction of the collar is used. But EDT uses a built-in

Continues on next page...

Special Application Conditions (continued)

flange on the locking sleeve to do that job. The fact that there are usually two bearings on a shaft allows the locking sleeve flange to be faced the opposite direction in order to control the shaft in both directions. On all horizontal installations, the location of the locking sleeve can be determined by the installer, but must either BOTH BE OUTSIDE OR BOTH BE INSIDE of the bearing (see Fig 24-1). Apply threadlocker when tightening the setscrews to insure that the locking sleeve will remain SECURELY in place.

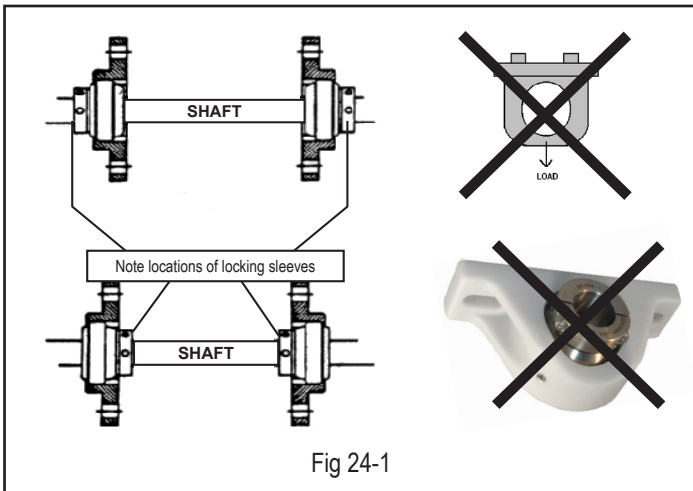


Fig 24-1

An additional benefit of the locking sleeve is to control the surface finish of the journal under the bearing, which significantly extends the life of the bearing.

Whenever possible, it is best to avoid mounting pillow blocks in an upside down position. If the design does not allow an upright mounting, then a metal housing is recommended.

Bearing position in drive design

Some drive designs are easier on bearings than others. Many systems are designed with a cantilevered drive, but this type of design loads the bearing unevenly. Whenever possible, drives should be placed BETWEEN a pair of bearings. If a cantilevered design is required, the pair of bearings supporting that drive shaft should be separated as far apart as practical.

Whenever possible, shaft mounted gear reducers should have some support that relieves the cantilevered shaft as the sole support.

Restricted spaces

In an attempt to continually make things smaller and compact, designers have to find ways to either buy smaller components, or to manage the orientation of components into smaller spaces. In some cases, this involves retrofits that reduce or eliminate the need for other design changes. EDT has designed this versatility into all of our bearing products.

EDT self-aligning bearings are not symmetrical around the major O.D. so they can be reversed in the housing which changes a design dimension without compromising the design load or requiring redesign of the product. This allows EDT bearings to retrofit into locations where other bearings will not physically fit without design changes to the rest of the equipment. EDT Locking Sleeves can also be installed from either the right or the left of every bearing which gives added flexibility to the installer. The combination of parts flexibility results in a total of four installation options that can be readily adjusted in the field (see Fig 24-2).

General maintenance and lubrication are growing problems as the equipment density of floor space increases in processing and manufacturing plants. EDT products reduce or eliminate lubrication and eliminate the catastrophic failure that often occurs with rolling element bearings in harsh environments. EDT bearings can reduce the unplanned maintenance that is required under extreme environments, which in turn reduces the overall cost of operations. Elimination of lubrication can reduce machine clutter because central lubrication systems can be eliminated.

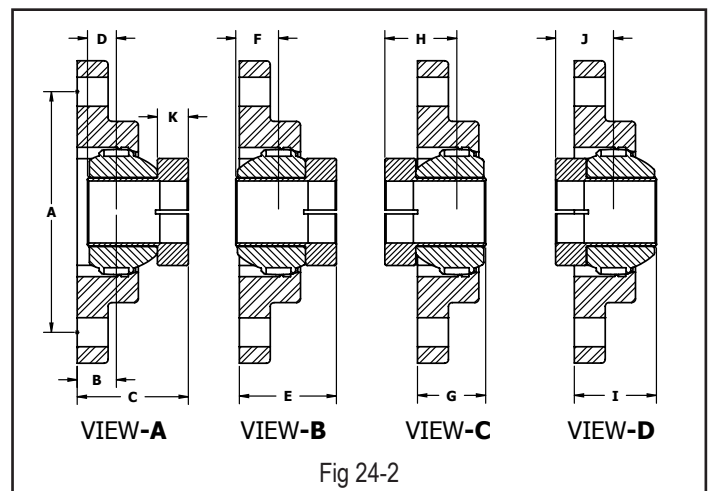


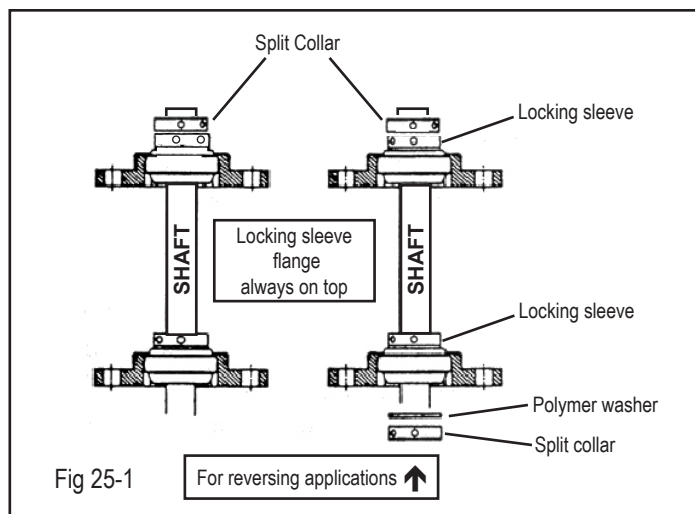
Fig 24-2

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Vertical shafts

Vertical shaft applications for rolling element and plane bearings must be carefully considered. There can be problems if details are not anticipated or are overlooked. For rolling element bearings, a tapered roller or an angular contact product is specified on many occasions because of their thrust capabilities.

For plane bearings, the same details that must be known for rolling element bearings apply. On plane bearings, the thrust surface is provided by either the full face of the bearing (in the case of EDT's Poly-Round® bearings) or on the polymer flange (in the case of EDT's ALL-ROUND® series). With both of these bearing styles, the thrust surface and the flange of the Locking Sleeve must be ON TOP of all of the bearings (see Fig 25-1). One bearing is chosen to be the first installed and the flange of the Locking Sleeve will be in full contact with the bearing. For all subsequent bearings on the same shaft, the flange of the Locking Sleeves will also have full contact. After the required "freewheel spin" to test for any misalignment, the units can be locked down and the drives connected. To prevent problems that often occur on vertical shafting, a final safety precaution is required: A SPLIT set collar must be placed directly on top of each locking sleeve flange to insure the shaft remains securely in the bearing despite load and vibration that would loosen the set screws on the flange of the locking sleeve (see Fig 25-1).



It is necessary to use an appropriate threadlocker on ALL setscrews because the continuous expansion and contraction of metals, however slight, cause threaded products to vibrate loose.

For reversing vertical applications with an All-Round® bearing assembly, a polymer thrust washer and split locking collar will be required below one bearing assembly (see Fig 25-1).

Vibration & impact

Vibration and impact cause problems in multiple ways. These problems manifest themselves differently under varying conditions, so they are addressed here separately.

How **vibration** affects any bearing will depend on the frequency and amplitude (intensity) of the motion. A plane bearing operates with freeplay in the bearing so it can rotate or slide. This freeplay allows the shaft to shuttle back and forth in the bearing which can cause damage to the bearing and possibly to the machine. Freeplay can be a major source of heat in a bearing that can lead to early failure.

Rolling element bearings encounter this same freeplay action, although to a much lesser degree. The condition of the bearing races quickly become a serious issue when the shaft is loaded and then unloaded in the bearing; in some cases, this will cause the races to crack and fail.

Clearly, it is best to try to identify the source of the vibration and control it at the source as much as is possible. If that cannot be done, then high frequency vibration is most effectively handled by utilizing a preloaded rolling element bearing.

Impact load is different from higher frequency vibration and is generally better handled with plane bearings than ball bearings. There are a lot of issues to be considered here such as the choice of material that is necessary to perform in other parameters of the application. As a rule of thumb, higher performing materials are harder and more brittle while lower performing materials generally are softer and much more impact resistant. Fortunately, high impact situations usually do not require use of higher performing materials.

Rolling element bearings have hardened races in order to support the movement within ball bearings – the end result of hardening is more brittleness. Impact applications are normally solved with plane bearings than with rolling element bearings. As with all other harsh applications, vibration and impact will loosen setscrews, so an appropriate threadlocker is required.

Installation and General Information about EDT Bearings

General installation

Plane bearings and ball bearings must be set up properly in order to get the maximum design life out of each. One installation advantage of a plane bearing over a ball bearing is that, with a plane bearing, there is greater opportunity to detect an out-of-alignment condition before the equipment is put into operation. For each style of bearing, this is addressed in the Installation Instructions (pages O-8 through O-21 of this manual). Always apply threadlocker to locking sleeve setscrews to insure that the locking sleeve will remain SECURELY in place.

New installations

Check new installations at start-up, and periodically for next couple hours.

There is a problem if there is noise or if bearing is too hot to touch. For Troubleshooting Guide see page O-29.

Then check monthly or quarterly that:

- Locking sleeve stays in place
- Polymer is wearing evenly

Dusty environments

In dusty and abrasive environments Forsheda V-ring seals work well to increase bearing life by reducing the exposure to contaminants. Your local EDT bearing distributor will be able to supply you with Forsheda seals. EDT's Bearing Glove® offers 360° protection around 3 kinds of mounted bearings. Refer to catalog or website section I-Misc Products and see page U-18 and 19 in this manual. Lubrication is never recommended for installations in dusty or abrasive environments because the lubricant will attract the dust and create an abrasive paste that will be more detrimental to the operation of the bearing.

Bearing failure is caused by heat

Plane bearings fail because heat is generated faster than it can be dissipated and exceeds the long term temperature tolerance of the material. Maximum bearing life and cost effectiveness can be achieved by keeping plane bearings cool (artificial means such as water, other processing fluid, cooler air, metal housing) OR by upgrading the bearing material. Bearing failure due to heat can occur from any number of conditions, including:

- Use of plastic set collar to control thrust loads
- High loads
- High speeds
- High ambient temperature
- Out of round or bent shafting
- Poor shaft surface finish
- Edge loading caused by misalignment
- Poor bearing design for application
- Inappropriate material selection for application
- Some Special Application Conditions exist (see pages O-22 through O-25) that may not be sufficiently addressed

A secondary reason for plane bearing failure could be a chemical attack on the material that deteriorated the physical properties of the bearing. This will manifest itself primarily in three ways:

- Discoloration in areas of chemical attack
- Softening of the material surface
- Swelling of material or other slight changes in shape or configuration.

Ways to Increase Bearing Performance

Action	Result
Submersion in any liquid cooler than the normal operating temperature of the bearing	Helps to dissipate heat away from the polymer bearing
Lubrication (look under Special Application Conditions, pages O-22 thru O-25)	Lowers coefficient of friction and abrasion; reduces heat generation
Seal out solid contaminants (dirt, dust, chemicals, food processing powders, etc.)	Lowers coefficient of friction and abrasion; reduces heat generation
Improve shaft surface finish or install EDT locking sleeve (optimize at 10–12 RMS)	Lowers coefficient of friction and abrasion; reduces heat generation
Eliminate plastic locking collar; replace with stainless steel locking collar	Helps to dissipate heat from the polymer bearing
Upgrade polymer bearing material	Increases PV operating range; increases material's high temperature capacity; reduces chemical attack
Isolate from heat source by relocating or insulating bearing	Increases margin of PV available for application
Design power transmission drive so bearings evenly carry the load rather than the load being cantilevered	Better load distribution lowers PV and reduces heat generation
Check that locking sleeve is fully installed in bearing	Better load distribution lowers PV and reduces heat generation

Installation difficulties

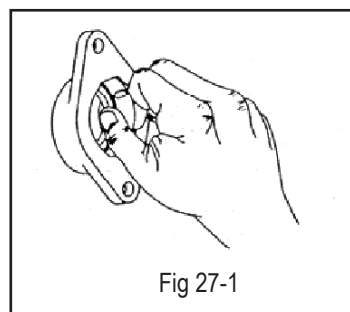
If you have difficulty assembling spherical bearings into housings, or flange polymer bearings into ALL-ROUND® inserts, call the factory or your EDT representative for assistance. Polymer parts should be well chilled prior to installation for easiest assembly. Do not force units together if the installation does not go smoothly. In this respect EDT bearing installations are no different than radial ball bearing installations.

Test the mating parts prior to full installation by performing the following procedure:

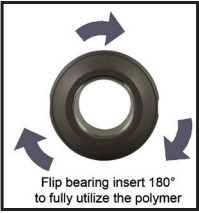
1. Install the spherical insert into the installation slots in the spherical housing.
2. Using both hands, hold the bearing between your fingers like a key and turn the bearing in the housing like a key in a lock. (Do not use a separate tool to assist.) A bearing that fits properly will turn around in the housing until it reaches the original starting point (Fig 27-1). If it does not, check the following conditions:

- Out-of-round housing
- Out-of-round bearing
- Tolerance mismatched of housing and bearing
- Burr on I.D. of housing
- Burr on O.D. of bearing
- Loading slots not extended to centerline of spherical I.D. of housing.

Note: EDT self-aligning bearings should fit snugly but do not need to fit tight into the housing when they are swiveled into the final working position. They must be tight enough to prevent rotation of the bearing in the housing. A setscrew into the anti-rotation slot on the bearing O.D. insures that no rotation can occur.



Maintenance and Lubrication of EDT Bearings

EDT Bearing Style	Lubrication	Start-up and General Maintenance
Poly-Round® bearings	None required	<ul style="list-style-type: none"> ▪ Should free-wheel on initial installation ▪ Should never get too hot to touch, but will run warmer than a ball bearing (outside of oven) ▪ Locking sleeve must be flush against bearing (with paper-thick gap), and all setscrews must have threadlocker ▪ When bearing wall is worn too far in one direction, remove and reinstall insert at 180° 
Polymer block bearings	None required	<ul style="list-style-type: none"> ▪ Should free-wheel on initial installation ▪ Should never get too hot to touch, but will run warmer than a ball bearing ▪ Locking sleeve must be flush against bearing (with paper-thick gap), and all setscrews must have threadlocker
ALL-ROUND® bearing (spherical and ER-style)	None required	<ul style="list-style-type: none"> ▪ Should free-wheel on initial installation ▪ Should never get too hot to touch, but will run warmer than a ball bearing (outside of oven) ▪ Locking sleeve must be flush against the polymer flange of the bearing “liner” (with paper-thick gap), and all setscrews must have threadlocker ▪ Replace bearing when polymer bearing “liner” wall has been reduced by 3/4 or when shaft centerline is a problem
Radial Poly-Round®	None required	<ul style="list-style-type: none"> ▪ Should free-wheel on initial installation ▪ Should never get too hot to touch but will run warmer than a ball bearing (outside of oven) ▪ Replace bearing when shaft centerline is a problem
Solid lubricated ball bearing	None required	<ul style="list-style-type: none"> ▪ Should free-wheel on initial installation ▪ Use threadlocker with all setscrews ▪ Should never get too hot to touch ▪ Replace bearing when temperature gets too hot or when bearing makes unusual noise or chatter
Re-grease-able stainless ball bearing	As application conditions require	<ul style="list-style-type: none"> ▪ Grease and seals prevent free-wheeling ▪ Use threadlocker with all setscrews ▪ Should never get too hot to touch (outside of oven) ▪ Replace bearing when temperature gets too hot or when bearing makes unusual noise or chatter

Troubleshooting EDT Bearings

Problem	Cause
Cracked or broken flange on ALL-ROUND® polymer bearing	<ul style="list-style-type: none"> ▪ Anti-rotation setscrew locked and not allowing spherical insert to properly align ▪ High impact in radial or thrust direction ▪ Locking sleeves positioned and locked too close to the polymer flanges in high heat applications – when heat is removed and shaft shrinks, the locking sleeves pinch the bearing ▪ Centerline of bearing not lined up with shaft centerline (edge loading)
Excessive heat accumulating in ALL-ROUND® bearing	<ul style="list-style-type: none"> ▪ Polymer bearing material not suited for application ▪ Centerline of bearing not lined up with shaft centerline (edge loading) ▪ Locking sleeve flange mounted too close to polymer bearing ▪ Locking sleeve mounted on wrong side of polymer flange and making metal-to-metal contact with stainless steel insert ▪ Excessive buildup of contaminants in bearing ▪ Chemical deterioration ▪ Locking sleeve flange is improperly making contact with a fixed object
Excessive heat accumulating in Poly-Round® insert or block bearing	<ul style="list-style-type: none"> ▪ Anti-rotation setscrew locked and not allowing spherical insert to self-align ▪ Locking sleeve flange mounted too close to polymer bearing ▪ Polymer bearing material not suited for application ▪ Improper bore clearances ▪ Chemical deterioration ▪ Excessive buildup of contaminants in bearing ▪ Centerline of bearing is not in line with shaft centerline (edge-loading) ▪ Locking sleeve flange is improperly making contact with a non-rotating machine part
Locking sleeve moving out of position	<ul style="list-style-type: none"> ▪ Excessive thrust loading on bearing ▪ Undersized shaft for DoubleLock® ▪ Improper torque rating on screws ▪ Loctite® or other thread locker not used ▪ Back-up split set collar not installed behind locking sleeve flange
Ball bearing with excessive noise, vibration, or heat	<ul style="list-style-type: none"> ▪ Bearing is not aligned properly with shaft ▪ Too much grease packed in bearing ▪ Too little grease in bearing ▪ Races or balls damaged during installation ▪ Brinelling, spalling, surface contamination, corrosion, fit too loose or too tight. (See Google search for “ball bearing failure.”)

Questions or concerns about EDT products? Please call the factory at:





360-574-7294

Monday - Friday 7:00 a.m. to 5:00 p.m. Pacific Time (Vancouver, Washington USA)

ENGINEERING NOTES



Shaft size tolerances required for insert bearings

Shaft size	Ball bearing insert* (UC or SA) 	Ball bearing insert* (HC or HU) 	DoubleLock® on EDT plane bearing 	Setscrew locking sleeve on EDT plane bearing 
1/2" to 1-1/8"	nominal to -.0006" no plus	nominal to -.0006" no plus	nominal to +.0005" and -.002"	nominal to +.001" and -.002"
1-3/16" to 1-15/16"	nominal to -.0006" no plus	nominal to -.0006" no plus	nominal to +.001" and -.002"	nominal to +.002" and -.002"
2" to 3-1/8"	nominal to -.0007" no plus	nominal to -.0007" no plus	nominal to +.001" and -.002"	nominal to +.003" and -.003"
3-1/4" to 4-1/2"	nominal to -.0009" no plus	nominal to -.0009" no plus	nominal to +.001" and -.002"	nominal to +.003" and -.003"

* The higher the shaft speed, the closer the shaft must fit within the ball bearing in order to utilize the maximum speed capability of the bearing. Maximum operating speed of a bearing is affected by internal clearances, lubrication, and a number of external factors including load, vibration, run cycles, etc. (refer to Stainless Ball Bearing section in EDT catalog, page F-4).

Close fit between the mating shaft and bearing ID also optimizes ball bearing performance under heavier loading. However, for bearings under heavier loading where there is NOT high speed, consider EDT Poly-Round® plane bearings which offer higher capacity and other maintenance and performance benefits.

TGP (turned, ground, and polished) shafting can be purchased to assure shaft-size accuracy.

NA 1GE7 - 20-LK

PLANE BEARINGS

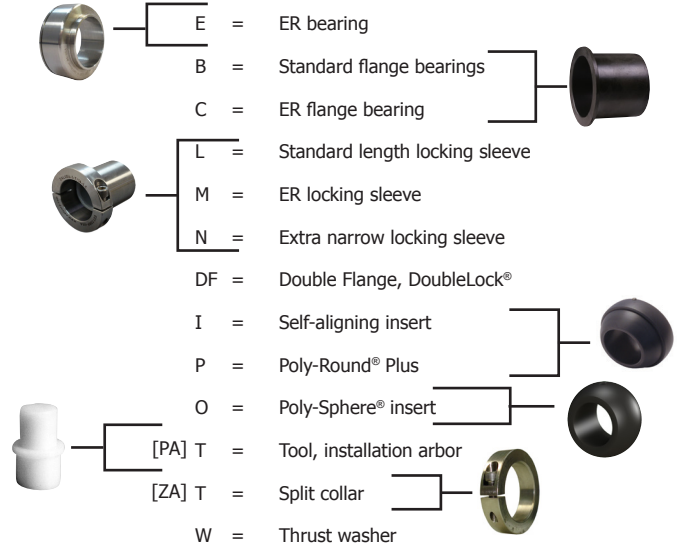
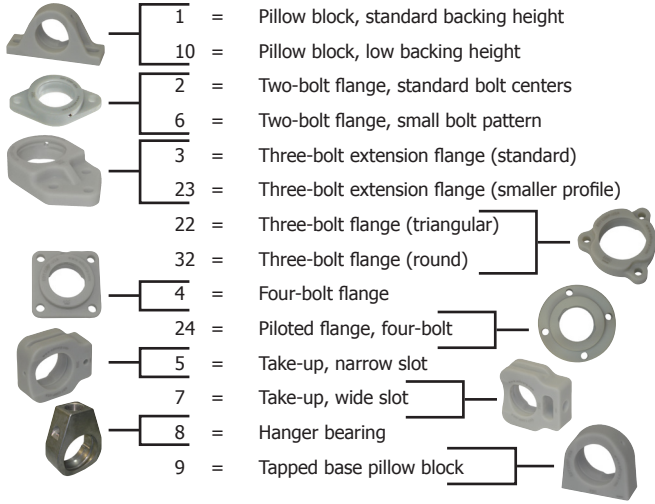
Material Indicator

Polymer: PA, AA, NA, OE, QF, QB, FA, MA, MY, MZ
Metals / metal treatments: ZA, ZF, ZN, ZQ, ZZ, Z4

* Housing only indicated as '1GE' or '1GE-QK'.
Prefix and suffix identifies details of assembly or plane bearing components.

NA 1GE7 - 20-LK

Shape or Series



NA 1GE7 - 20-LK

Housing or Non-Housing Style

NON-HOUSING

U = Non-housing product
V = Single split collar
W = Double split collar
B = Polymer block bearing (straight bore)
L = Stainless steel split flangette housing
O = Poly-Sphere® bearing

HOUSING

G = EDT "KG" cast polymer housing (spherical ID)
A = Stainless housing (spherical ID)
E = Type E housing
F = Mild steel housing (spherical ID)
P = Stainless steel cast housing

OPTIONAL HOUSING MODIFIER

-CB = Cap, blind
-CT = Cap, thru
-O = Housing modification
-QK = QuiKlean®
-Q = Square bolt holes
-SM = Wider spherical radius

*Full housing P/N - 3 digits (Ex: 1GE)

EX: QF 1 A E - QK 7 - 20 - LK

NA 1GE7 - 20-LK

Group Size

Dimensional interchange

RING SIZE	EDT GROUP	SPHERICAL OD
203	A =	1.575" / 40 mm
204	B =	1.850" / 47 mm
205	C =	2.047" / 52 mm
206	D =	2.441" / 62 mm
207	E =	2.835" / 72 mm
208	F =	3.150" / 80 mm
209	G =	3.346" / 85 mm
210	H =	3.543" / 90 mm
211	I =	3.937" / 100 mm
212	J =	4.331" / 110 mm

RING SIZE	EDT GROUP	SPHERICAL OD
213	Z =	4.724" / 120 mm
214	K =	4.921" / 125 mm
215	L =	5.128" / 130 mm
216	M =	5.511" / 140 mm
217	N =	5.905" / 150 mm
218	O =	6.299" / 160 mm
219	P =	6.693" / 170 mm
220	Q =	7.480" / 190 mm
221	R =	7.874" / 200 mm

EDT GROUP	TYPE E OD's	ID
01	65mm OD x	1.35 ID
02	72mm OD x	1.54 ID
03	85mm OD x	1.87 ID
04	90mm OD x	2.10 ID
05	100mm OD x	2.35 ID
06	120mm OD x	2.65 ID
07	125mm OD x	3.14 ID
08	145mm OD x	3.70 ID
09	175mm OD x	4.20 ID
10	195mm OD x	4.70 ID
11	212mm OD x	5.20 ID

NA 1GE7 - 20-LK

Modifier

O = Standard part
C = Custom part
H = Hardened steel
M = Mild steel
Q = Square bolt hole
T = Split
6 = 316 Stainless steel components

2 = Poly-Round® Plus with Double Flange DoubleLock® sleeve
3 = Poly-Round® narrow, no locking sleeve (with or without housing)
4 = Poly-Round® narrow and locking sleeve (with or without housing)
5 = Poly-Round® in housing (no locking sleeve)
7 = Poly-Round® with locking sleeve (with or without housing)
8 = Ball bearing in housing
9 = ALL-ROUND® Supreme bearing (with or without housing)
P = Poly-Round® Plus assembly

NA 1GE7 - 20-LK

Shaft/ID Size

(indicated as "x" in the catalog)

Inches in 16th's (Ex: 1-1/4" = 20/16 → 20)

OR
Fractions (Ex: 1-1/4")

Metric with "M" or "mm" suffix
(Ex: 20M **OR** 20mm)

OPTIONAL MODIFIER (EX: QF 1 A E - QK 7 - 20 - LK)

-04 = 0.6 Longer locking sleeve
-04-LK = 0.6 Longer sleeve, DoubleLock®
-LK = KleenCap® DoubleLock®
-LC = DoubleLock® (Obsolete, now LK or MC)
-MC = DoubleLock®

-HT = High temperature
-HTV = High temp, fixed end
-HTE = High temp, expansion end
-OS = Oven series

EX: 4Y1GE8-20GX 4Y205-16GX

BALL BEARINGS

Ball Bearing Material	Ball Bearing Style	BB Ring Size OR Housing	Modifier	Shaft	Lubricant	Modifier
4	400 stainless	Y set-screw (also B)	Blank if bearing only Not an assembly	size in 16ths	Grease G - Food grade Y - High temp food grade	X Standard
3	300 stainless	U wide eccentric (also A)	8 mounted; ball bearing in housing		Solid lube - polymer F - Food grade (-55° to 200°) J, B, P - Miscellaneous food grades C - Food grade non-corrosive K, R - High temperature E, D - Industrial grades	Z Shield
5	NC steel	E narrow eccentric				O Open
6	52100 steel	0 unmounted	205 group / ring size			B Bare
7	alloy	F flanged unmounted	1GE housing style		Solid lube - graphite W, M, T, V - Various temperature ranges	V Vacuum grade
						SM Wider unit



SELECT THE BEST EDT INSERT FOR THE ENVIRONMENT

Class III Plane Bearings



Poly-Round® Bearings

Solid polymer bearing insert with locking sleeve

- Cost effective and convenient
- Thick bearing wall offers long life
- Sanitary and cleanable
- Predictable operation and wear
- Non-corrosive
- Non-conductive
- Requires no grease after installation
- Dimensionally interchanges with all industry standard spherical bearings
- Available in all inch and metric sizes

Materials for Poly-Round® bearing

- NA:** (gray)
- Moderate speed and load
 - Good for impact and washdown environments
 - 6,000 PV rating
 - -40°F to 220°F
 - Incidental food contact
- QF:** (black)
- Speed to 400 sfm; high load (call for details)
 - Good for submerged or chemical location
 - Good for high or low temperatures (with special bore)
 - 60,000 PV rating
 - Cryogenic to 500°F
 - Incidental food contact
- FA:** (white)
- Not affected by chemical, moisture, or impact
 - Good for submerged oil or chemical locations involving edible products
 - 6,000 PV rating
 - Cryogenic to 500°F
 - Direct and continuous food contact approved
- PA:** (white)
- Low speed and load
 - Excellent for submerged or chemical
 - 1,000 PV rating
 - Cryogenic to 150°F
 - Direct food contact approved



All-Round® Supreme Bearings

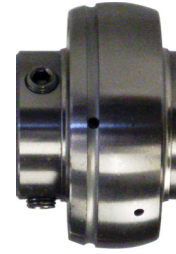
Stainless steel inserts with replaceable flange polymer bearing

- Dimensionally interchange with all industry standard spherical bearings
- Non-conductive
- Require no grease after initial installation
- Sanitary and cleanable
- Corrosion resistant
- Predictable operation and wear
- Cost-effective and convenient
- Reusable components
- Spherical or ER-style
- Outer race available in 304 or 316 ss
- Available in all inch and metric sizes

Materials for All-Round® flange bearing

- QB:**
- Excellent price-to-performance
 - Not recommended in submerged, high-salt, or extreme pH locations
 - 50,000 PV rating
 - Cryogenic to 550°F
- QF:**
- Speed to 400 sfm, high load (call for details)
 - Unaffected by any chemicals at temperatures below 400°F
 - 60,000 PV rating
 - Cryogenic to 500°F
 - Incidental food contact

Ball Bearings



Stainless Steel Ball Bearings

Choose ball bearings for applications where plane bearings are not recommended

- High speed locations
- Fans, pumps, saws/knives
- Overhung loads
- Tension locations
- Flat belts, eagle belting, V-belt drives
- Trunnion devices

Choices of:

- Re-greasable lubricated with food grade grease
 - Operating range -40°F to 300°F
 - High temp grease to 400°F
- Solid-lubricated (grease-less) with either of two kinds of lubrication:
 - For chemical resistance, very low friction, temperature extremes (specify -250°F to 650°F), vacuum locations
 - Oil-filled polymer to block contaminants into bearing at ambient temperatures (food-grade; wet or dry)
- Stainless available in inch & metric sizes to 2-7/16"
- Non-corrosive treated available to 90 mm
- 400-Series ss for maximum strength
- 300-Series ss for maximum corrosion resistance



Choose ball bearings instead of PLANE BEARINGS in these applications

- High tension (flat belt conveyors, urethane belts, V-belt drives)
- High speed devices (fans, pumps, table top conveyors)
- Overhung loads (shaft mounted gear reducers)
- Trunnions

Where to use EDT plane bearings

Tough applications where ball bearings don't perform as reliably as desired, such as:

- Sanitary – HACCP
- High or low temperature
- Wash-down or steam
- Exposure to processing liquids, chemicals
- Incomplete rotation or oscillating motion
- Submerged in liquids
- Locations difficult to regularly maintain
- Exposed to bulk solid contaminants

Where to use EDT ball bearings

- High tension applications (V-belt drives, flat belt conveyors, urethane belts)
- High speed devices (fans, pumps, table top conveyors)
- Overhung loads (shaft mounted gear reducers)
- Trunnion applications

Bearing capacity is measured by PV and will determine the amount of heat generated in a plane bearing. PV is the relationship of the load to the shaft speed in a bearing.

HOW TO CALCULATE PV

$$PV = P \times V$$

P - pressure in PSI (lbs/sq in)

V - velocity in SFM (surface ft/min)

$$P = F/A$$

where F = force (load) on bearing

A = shaft dia (in) x LTB

(LTB = bearing length through the bore)

$$V = .262 \times D \times \text{RPM}$$

where D = shaft diameter (in)

RPM = shaft revolutions/min

See PV Calculation Worksheet on page N-4

EDT Materials Selection Chart

	POLY-ROUND® & ALL-ROUND® Bearing Materials	PV Limit	Max Speed V (SFM)	Max Loading P (PSI)	Cont. Operating Temp.	Performance in Moisture Wash Down Submerged		Δ T Dimensional Stability with Temp Change	Chemical Resistance	Abrasion Resistance	Impact Resistance	USDA/FDA Contact Accept.
BEARINGS	PA UHMW white	1,000	50	800	150°F/65°C	Excellent	Excellent	Poor	Excellent	Abrasion applications are very unpredictable. Each application must be tested for abrasion resistance.	Excellent	Direct
	AA white	2,000	200	1,000	160°F	Excellent	Good	Fair	Fair		Fair	Direct
	OE brown	5,000	350	1,000	160°F/72°C	Excellent	Good	Fair	Good		Excellent	Incidental
	NA grey	6,000	350	2,000	200°F/93°C	Excellent	Good	Fair	Good		Excellent	Incidental
	FA white	6,000	350	1,000	500°F/260°C	Excellent	Excellent	Poor	Excellent		Excellent	Direct
	QB black-green	50,000	400	3,000	500°F/260°C	Excellent	Poor	Excellent	Fair		Good	Incidental
	QF black	60,000	400	6,000	450°F/232°C	Excellent	Excellent	Excellent	Excellent		Fair	Incidental
	MZ Black	6,000	300	4,000	650°F/343°C	Excellent	Excellent	Excellent	Excellent		Fair	Incidental
	MY Black	5,000	250	3,000	800°F/425°C	Excellent	Excellent	Excellent	Excellent		Fair	Incidental
HOUSINGS	KG polymer housing	Not a bearing material			150°F/65°C	Excellent	Excellent	Good	Excellent	N/A	Good	Incidental
	ZA stainless housing	Not a bearing material			1000°F/540°C	Excellent	Excellent	Excellent	Excellent	N/A	Excellent	Direct

Ratings are excellent, good, fair, poor

* PV limits are shown for unlubricated radial bearing applications.
Low temperature / submerged installation may permit PV limits up to 2x higher.

(Scale: Poor-Fair-Good-Excellent revised 12/06)

Data Sheet for Polymer Bearing Materials

Property	ASTM Test	Units	PA UHMW (white)	AA (white)	OE (brown)	NA (gray)	FA (white)	QB (black-green)	QF (black)	MA (black-brown)
USDA/FDA Approval			Direct	Direct	Incidental	Incidental	Direct	Incidental	Incidental	Incidental
Specific Gravity	D-792	g/cm	0.94	1.42	Incidental	1.14	2.3	1.4	1.6	1.43
Impact Strength (notch izod)	D-256	ft-lb/in	>25	1.4	1.1	0.9	2.5	1.1	0.8	0.8
Tensile Strength (Yeild)	D-638	psi	3,100	10,000	8,000	9,300	1,300	8,400	10,000	8,000
Elongation	D-638	%	350	30	11	50	15	6	3	6
Shear Strength	D-732	psi	3,500	9,500	7,500	10,000	1,700	2,727	--	11,200
Compression Strength	D-695	psi	2,400 10% deflection	5,200 1% deflection	15,000 10% deflection	10,000 1% deflection	2,000 2.5% deflection	5,900	22,000	15,200
Hardness	D-785	Rockwell	R64 D67	R120 M94	R115 --	R109 M57	R50 68A	R128 M105	-- D84	-- M85
Coefficient of Liner Thermal Expansion	D-695	in/in/F	7.20×10^{-5}	5.0×10^{-5}	5.6×10^{-5}	5.5×10^{-5}	3.3×10^{-5}	3.4×10^{-5}	2.0×10^{-5}	2.7×10^{-5}
Thermal Conductivity	C-177	BTU/hr sq ft/F/in	29	1.6	--	--	3.05	1.5	3.81	3
Coefficient of Friction (against steel)		Static dynamic	.25 .14	.15 .20	.14 .20	.12 - .21 .13 - .16	-- 0.04 - 0.2	-- .15	.17 .08	-- .12
Moisture Absorption 24 hours Saturation	D-570	%	<.01 <.01	.25 .90	.13 --	1.2 5.3	<.35 <1.0	<0.1 .23	.05 .01	.19 1.0
Max. Continuous Use Temperature		F°	150° / 65°C	160° / 72°C	160° / 72°C	200° / 93°C	500° / 260°C	500° / 260°C	450° / 232°C	650° / 343°C
Max. Intermittent Use Temp.		F°	220°	220°	300°	300°	550°	650°	550°	850°
Minimum Use Temperature		F°	Cryogenic	-40	-40	-40	-40	Cryogenic	Cryogenic	Cryogenic
Maximum Recommended PV		(lb) (ft) (in) (min)	<1,000	<2,000	10,000	6,000	6,000	50,000	60,000	100,000
Outgassing TML (Total Mass Loss)		E-595	--	--	--	--	0	--	0	--

PV Calculation Worksheet

PV (Pressure x Velocity) is a method of calculating bearing capacity by determining the amount of heat generated in a plane bearing. PV is the relationship of the load to the shaft speed.

$$\left(\frac{\text{Load on bearing}}{\text{Journal diameter} \times \text{bearing LTB}} \right) = \text{P} \times \text{V} = \text{PV}$$

From chart below
Operational PV of bearing*
(NTE PV limit of material from box below)

Calculate **P** (Pressure) by figuring F/A (force divided by area)

- F = Load on the bearing
- A = Journal size x length thru bore (LTB)

Use this chart to determine V (Velocity):

1. Find row that reflects speed
2. Find column that reflects journal size
3. The point where these two meet is V for this application

Material Operating Limits			
Limiting	P	V	PV
PA	800	50	1,000
AA	2,000	200	2,000
NA	2,000	350	6,000
QB	3,000	400	50,000
QF	6,000	400	60,000
MA	6,000	400	110,000

Bearing / Journal Surface Speed Calculations (V = Surface Feet per Minute)

1500	197	294	393	492	590	786	983	1179	1376	1572
1000	131	197	262	328	393	524	655	786	917	1048
900	118	177	236	295	354	472	590	708	826	944
800	105	157	210	262	315	420	524	628	734	838
700	92	138	184	230	276	368	459	551	642	734
600	79	118	158	197	236	316	393	472	551	629
550	73	108	145	180	217	288	361	432	505	577
500	66	98	131	164	197	262	328	393	459	524
450	59	88	118	148	177	236	295	354	413	468
400	53	79	105	131	158	210	262	315	367	420
350	46	69	92	115	138	184	230	276	321	369
300	40	59	79	98	118	158	197	236	276	315
250	33	49	66	82	99	132	164	197	230	262
200	27	39	53	66	79	106	131	158	184	210
175	23	35	46	58	69	92	115	138	161	184
150	20	30	40	49	59	80	99	118	138	158
100	14	20	27	33	40	53	66	80	92	105
75	10	15	20	25	30	40	50	60	69	79
50	7	10	14	16	20	26	33	40	46	53
25	4	5	7	8	10	13	17	20	23	26
	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4

Journal Size (diameter in inches)

Marginal - double check load (P) before selecting a plane bearing

Not recommended to use plane bearings

These EDT products have USDA Acceptance



USDA/NSF Equipment Acceptance List

April 2011

Note that all sizes in each family are accepted under this listing.

Polymer Housings	Series #
Tapped base pillow block housing	9G_
Pillow block housing – standard backing height	1G_
Pillow block housing – low backing height.....	10G_
2-Bolt flange housing.....	2G_
2-Bolt flange housing – small bolt pattern	6G_
3-Bolt extension flange housing	3G_
4-Bolt flange housing.....	4G_
Narrow slot take-up housing.....	5G_
Wide slot take-up housing	7G_
Piloted flange housing	24G_
4-Bolt housing – small bolt pattern	4G_-01
3-Bolt flange housing – triangular.....	22G_



Stainless Steel Housings	Series #
Tapped base pillow block housing	9A_
Pillow block housing – standard backing height	1A_
Pillow block housing – low backing height.....	10A_
2-Bolt flange housing.....	2A_
2-Bolt flange housing – small bolt pattern	6A_
Piloted 2-bolt flange housing	6A_-SP
3-Bolt extension flange housing	3A_
4-Bolt flange housing.....	4A_
Narrow slot take-up housing.....	5A_
Wide slot take-up housing	7A_
Hanger housing	8A_
Piloted flange housing	24A_
4-Bolt housing – small bolt pattern	4A_-01
3-Bolt flange housing – triangular.....	22A_

USDA/NSF EQUIPMENT ACCEPTANCE LIST (continued)

QuiKlean® Housings	Series #
Tapped base pillow block housing (polymer).....	9G_-QK
Pillow block housing – standard backing height (polymer).....	1G_-QK
2-Bolt flange housing (polymer).....	2G_-QK
4-Bolt flange housing (polymer).....	4G_-QK
Block Bearings	Series #
Tapped base pillow block.....	9B_O
Pillow block – standard backing height.....	1B_O
Pillow block – low backing height	10B_O
2-Bolt flange	2B_O
2-Bolt flange – small bolt pattern	6B_O
3-Bolt extension flange	3B_O
4-Bolt flange	4B_O
Narrow slot take-up	5B_O
Wide slot take-up.....	7B_O
Mini 2-bolt.....	NA2ZX-
Special narrow slot take-up	NATUN-X
Stainless Steel Take-Up Frames	Series #
Narrow slot – bolt on style	TU5__
Wide slot – bolt on style.....	TU7__
Narrow Slot – weld on style.....	TD5__
Bearings	Series #
All-Round® stainless spherical inserts	ZAIU__
All-Round® stainless ER cylindrical inserts.....	ZAE__
All-Round® flange polymer bearings.....	__BU__
Installation arbor.....	PATU_O
Poly-Round® spherical bearings	__IU_O
Poly-Sphere® bearing	__OU_O
Radial Poly-Round® bearings	<i>All sizes to scale</i>



The Process Floor Bearing Solution Experts

To: EDT Corp customers
From: Carl Klinge
Subject: Animal fat use in EDT products
Date: December 4, 1996

KOSHER CERTIFICATE

EDT Corp makes bearings to operate in severe maintenance environments from a variety of polymer and metal materials. In some installations such as those operating according to kosher dietary laws, it is imperative to identify products that contain any animal fat or animal by-products.

EDT has conducted an investigation of our manufacturing processes and those of our vendor and resin suppliers to determine the extent of use of animal fats and animal by-products.

The following EDT materials include no animal fats or by-products in the base materials. In addition, no animal fats or animal by-products have been used during the manufacture of these materials.

- QB polymer (bearing material)
- QF polymer (bearing material)
- KG polymer (housing material)
- 304 stainless steel
- 316 stainless steel
- 17-4 PH stainless steel

EDT bearing products that are made solely of the above materials, and therefore contain no animal fat or animal by-products, include:

- Stainless bearing housings (1-19)A(A-M)
- Cast polymer bearing housings (1-19)A(A-M)
- QB or QF ALL-ROUND® SUPREME bearings..... QBIU(A-M)9-(1/2-3)
QFIU(A-M)9-(1/2-3)
- QB or QF ALL-ROUND® ER bearings QBEU(A-M)9-(1/2-7.4)
QFEU(A-M)9-(1/2-7.4)
- ALL-ROUND® Solution® mounted bearings..... QB(1-19)G(A-M)9-(1/2-3)
QF(1-19)G (A-M)9-(1/2-3)
- Ultimate Solution® mounted bearings QB(1-19)G (A-M)9-(1/2-3)
QF(1-19)G (A-M)9-(1/2-3)
- Trolley wheel bearings EDTWB1
- Solid polymer spherical insert QFIU(A-M)O-(1/2 -3)
- ALL-ROUND® flange bearings With or without locking sleeves (check availability)
- Custom bearings: QF with or without 304, 316, or hardened stainless components

ENGINEERING NOTES



EDT "KG" TECHNICAL DATA SHEET

Chemical Acceptability for "KG" Material used for EDT polymer mounted bearing housings

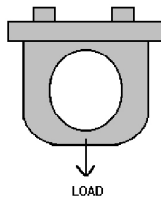
General chemical analysis is rated on the following: A Acceptable
 L Limited
 U Unacceptable

Group	Chemical Tested	Temp	Rating
Acids, strong	Concentrated hydrochloric or sulfuric acid	73° F	L
Acids, weak	Acetic acid, hydrochloric (dilute), sulfuric acid (dilute)	73° F	A
Alcohols	Methanol, ethanol, anti-freeze	73° F	A
Alkalies, strong	Strong ammonia or sodium hydroxide	73° F	L
Alkalies, weak	Dilute ammonia or sodium hydroxide	73° F	A
Chlorinated solvents	Methylene chloride, chloroform (111 trichloroethane)	73° F	U
Ethers	Diethyl ether, tetrahydrofuran	73° F	L
Hydrocarbons - Aliphatic	Gasoline, hexane, grease	73° F	A
Hydrocarbons - Aromatic	Benzene, toluene	73° F	A
Inorganic salt solutions	Sodium chloride, potassium cyanate	73° F	A
Ketone, esters	Acetone, methyl ethyl ketone	73° F	U

Tapped Base Pillow Block Thread Integrity Test

Test was conducted using EDT part number 9GC.
 Housing was mounted upside down, with bearing loaded opposite the base.

Bolt is 3/4 of threaded hole depth



Test Made	Housing Reaction
Test #1 4,000 # Max. test load	No noticeable distortion. Threads are still intact.
Test #2 766 # Continuous hanging weight test, 11 Days	Housing initially moved .001" then remained there the balance of the test. Threads are still intact.
Test #3 250 # Load dropped vertically 6-10"	Housing took 6 repeated drops before breaking. Note: Threads are still intact.

Mechanical properties of “KG” material used for EDT Polymer mounted bearing housings

Properties	ASTM Test Method	Units English (SI)	Results
PHYSICAL			
Specific gravity, 73°F (23°C)	D 792	--	1.229
Water absorption at 73°F (23°C), 24 hours	D 570	%	0.22
UV Exposure	--	--	Acceptable
MECHANICAL			
Modulus of elasticity	D 638	psi (MPa)	190,000 (1310)
Ultimate tensile strength	D 638	psi (MPa)	12,000 (83)
Elongation at yield	D 638	%	8
Flexural modulus	D 790	psi (MPa)	455,000 (3100)
Flexural strength	D 790	psi (MPa)	13,500 (93)
Notched Izod impact strength at 73°F (23°C)	D 256	ft-lb/in (J/m)	1.6 (86)
Unnotched Izod impact strength at 73°F (23°C)	D 256	ft-lb/in (J/m)	12.4 (663)
Barcol hardness	D 2583	M-943 scale	30
Rockwell hardness	D785	M scale	92
THERMAL			
D TUL at 264 psi (1.8 MPa)	D 648	°F (°C)	221 (105)
Coefficient of thermal expansion	--	in/in/°F	5.14 x 10 ⁻⁵
Maximum continuous working temperature	--	°F	150
Maximum intermittent temperature	--	°F	250
ELECTRICAL			
Volume resistivity, 73°F (23°C)	D 257	ohm-cm	4.6 x 10 ¹⁴

Hardware Information

Hardware used by EDT is usually 18-8 or 300-series stainless

Typical hardware sizes on EDT products														
Bearing Ring Size	201-202-203	204	205	206	207	208	209	210	211	212	214	215	216	217-221
EDT Group Size	A	B	C	D	E	F	G	H	I	J	K	L	M	N - R
EDT Type E Group size				1	2	3		4	5		6	7	8	9, 10, 11
BB set-screw	10-32 UNF	1/4-28 UNF	1/4-28 UNF	1/4-28 UNF	1/4-28 UNF	5/16-24 UNF	5/16-24 UNF	3/8-24 UNF	3/8-24 UNF	3/8-24 UNF	3/8-24 UNF	1/2-20 UNF	1/2-20 UNF	1/2-20 UNF
Locking sleeve set-screw	1/4-28 UNF	1/4-28 UNF	1/4-28 UNF	1/4-28 UNF	1/4-28 UNF	1/4-28 UNF	1/4-28 UNF	5/16-24 UNF	5/16-24 UNF	5/16-24 UNF	3/8-24 UNF	3/8-24 UNF	3/8-24 UNF	1/2-20 UNF
Locking sleeve (metric)		M6x1	M6x1	M6x1	M6x1	M6x1	M6x1							
KleanCap® screw (metric)		KCS06M-01	KCS06M-01	KCS06M-01	KCS06M-01	KCS06M-01	KCS06M-01							
KleanCap® screw P/N	KCS010-32	KCS1/4-28	KCS1/4-28	KCS1/4-28	KCS1/4-28	KCS1/4-28	KCS1/4-28	KCS516-24	KCS516-24	KCS516-24	KCS3/8-24	KCS3/8-24	KCS3/8-24	KCS1/2-20
KleanCap® screw	10-32 UNF X 1/2	1/4-28 UNF	1/4-28 UNF	1/4-28 UNF	1/4-28 UNF	1/4-28 UNF	1/4-28 UNF	5/16-24 UNF	5/16-24 UNF	5/16-24 UNF	3/8-24 UNF	3/8-24 UNF	3/8-24 UNF	1/2-20 UNF
KleanCap® hex size	3/16"	1/4" / 6MM for metric	1/4" / 6MM for metric	1/4" / 6MM for metric	1/4" / 6MM for metric	1/4" / 6MM for metric	1/4" / 6MM for metric	5/16"	5/16"	5/16"	3/8"	3/8"	3/8"	1/2"

Recommended tightening torque limit of stainless set-screws:

In set-screw ball bearings	
10-32 UNF	20 inch-pounds
1/4-28 UNF / M6x1	29 inch-pounds
5/16-24 UNF	60 inch-pounds
3/8-24 UNF	110 inch-pounds
1/2-20 UNF	170 inch-pounds

Use of threadlocker will assure screw stays in place, less affected by vibration

In eccentric ball bearings and locking sleeves	
10-32 UNF	28 inch-pounds
1/4-28 UNF / M6x1	35 inch-pounds
5/16-24 UNF	74 inch-pounds
3/8-24 UNF	155 inch-pounds
1/2-20 UNF	245 inch-pounds

Use of threadlocker will assure screw stays in place, less affected by vibration

When installing housings onto equipment:

All housings should be installed with a flat washer under the head of the bolt.

Use of a lockwasher is at the discretion of the installer. If a lockwasher is used, it should be installed above the flat washer.

On polymer housings, bolt pressure should not exceed 25-30 foot-pounds of torque.

KleanCap® is a registered trademark of EDT

ENGINEERING NOTES



Shaft size tolerances required for insert bearings

Shaft size	Ball bearing insert* (UC or SA) 	Ball bearing insert* (HC or HU) 	DoubleLock® on EDT plane bearing 	Setscrew locking sleeve on EDT plane bearing
1/2" to 1-1/8"	nominal to -.0006" no plus	nominal to -.0006" no plus	nominal to +.0005" and -.002"	nominal to +.001" and -.002"
1-3/16" to 1-15/16"	nominal to -.0006" no plus	nominal to -.0006" no plus	nominal to +.001" and -.002"	nominal to +.002" and -.002"
2" to 3-1/8"	nominal to -.0007" no plus	nominal to -.0007" no plus	nominal to +.001" and -.002"	nominal to +.003" and -.003"
3-1/4" to 4-1/2"	nominal to -.0009" no plus	nominal to -.0009" no plus	nominal to +.001" and -.002"	nominal to +.003" and -.003"

* The higher the shaft speed, the closer the shaft must fit within the ball bearing in order to utilize the maximum speed capability of the bearing. Maximum operating speed of a bearing is affected by internal clearances, lubrication, and a number of external factors including load, vibration, run cycles, etc. (refer to Stainless Ball Bearing section in EDT catalog, page F-4).

Close fit between the mating shaft and bearing ID also optimizes ball bearing performance under heavier loading. However, for bearings under heavier loading where there is NOT high speed, consider EDT Poly-Round® plane bearings which offer higher capacity and other maintenance and performance benefits.

TGP (turned, ground, and polished) shafting can be purchased to assure shaft-size accuracy.

ENGINEERING NOTES



Grease-Free for Life

Ball-and roller-bearings are traditionally lubricated with grease and oils. These lubricants often purge and contaminate the surrounding area, and they may require periodic maintenance through manual or automatic re-lubrication. EDT's solid polymer lubricant (EPL) drastically reduces - or may even eliminate - the problems associated with traditional lubrication.

Advantages of EPL:

- **Never require re-lubrication**
- **Consistently deliver the right amount of lubrication**
- **Resist contamination**
- **Stand up to harsh applications and wash downs**
- **Dramatically improve cleanliness**

EPL extends bearing life by blocking out contaminants and resisting chemicals that lead to early bearing failure.



Physical characteristics of EDT's Polymer Solid Lubricant

EPL is a superior solid lubricant that combines a micro-porous polymer with high quality, high performance synthetic lubricant and other additives. The chemical composition of the polymer, additives and synthetic lubricant vary depending on the lube, and should be selected for the application. For example, food grade USDA-H1 approved oils are used in food processing formulas. Additional additives modify performance characteristics, such as:

- low operating temperature
- reduced friction
- increased load and extreme pressure

How EDT Polymer Solid Lubricant works

EPL's micro-porous structure is comprised of millions of microscopic pores that hold and release lubricating oil. As the bearing rotates and the rolling element track warms, oil is released from the interconnected micro-pores of the solid polymer to lubricate the bearing. Oil is retained in the matrix through surface tension. The polymer's micro-porous structure traps oil throughout its entire mass and slowly delivers lubrication to the bearing as needed. EPL formulas contain 50% to 80% oil by weight, which is 2 to 5 times more oil than standard grease. The oil-permeated solid polymer also fills and seals the open space of the bearing to block out contaminants that lead to early bearing failure.



Technical Information

Proven applications include severe service environments such as:

- **USDA-inspected** / high levels of sanitation
- **Contaminated environments** (dirt, sand, flour, etc.)
- **Low operating temperatures**
- **Difficult to reach** or maintain bearings
- **Wash down**; chemical cleaning
- **Oscillating**
- **Wet** environments
- **Vertical shaft-mounted bearings**
- Temperatures to 350° F / 175° C



Polymer Solid Lubricant limitations

The use of solid polymer lubricant limits operating speeds of all bearings. Additionally, solid polymer lubrication formulas have maximum recommended operating temperatures. These can be found in the chart below. To calculate speed limitation **at ambient temperatures**, use the following formula:

$$\text{Maximum rpm} = \frac{\text{Ndm value}}{(\text{O.D.} + \text{Bore}) \cdot (.5)}$$

[All dimensions in mm]

Ndm values	
Bearing Type	Ndm value
Single row deep groove ball bearings with steel cage, including ceramic hybrid	300,000
Radial and insert bearings with plastic cage	40,000
Double row deep groove and angular contact ball bearings	150,000
Cylindrical roller and self aligning ball bearings	150,000
Spherical roller bearings	84,000
Tapered roller bearings	44,000

EDT Lube P/N	Solid Lubricant Description	H1 Food Contact	Operating Temp
F	High performance oil-permeated polymer	YES	-55°F to 215°F
C	Extreme chemical-resistant oil-filled micro-porous polymer	YES	-30°F to 350°F
K	High performance high temperature oil-permeated polymer	YES	-25°F to 350°F
B	Extreme low temperature, high performance, oil-permeated polymer	YES	-65°F to 200°F
More formulations available for specific applications			

LITF418-0215



EDT Bearing Selection Guidelines

These guidelines and generalizations are intended to assist in initially selecting the optimum EDT product to try in any specific application. Accurate applications information, collected on an EDT Bearing Design Checklist (BDC) completed either by someone familiar with the application or direct site information, is vital to choosing the most appropriate bearing. Bearing selection for any application is only as accurate as the information provided to select it.

1. Always specify self aligning bearings unless there is a specific reason to recommend a block bearing. (Price alone is not a good reason.) Machine frames are fabrications, and by that definition are never square; therefore bearings mounted on fabricated frames must have self aligning capability.
2. Always recommend a locking sleeve with a bearing. Half of a bearing's performance is based on the bearing material and design; the other half is based on the condition of the journal. This includes both the nature of the material and its surface finish over the expected life of the bearing. The primary reason not to spec a locking sleeve is that the journal operation is very slow and does not make a full rotation.
3. Never spec a plane bearing in a friction drive application. Examples of this would be "V" belt motor drives, flat belt conveyors, and urethane belt conveyors.
4. Never spec a plane bearing in a high speed application. Examples of this would be fans and pumps.
5. Never spec a plane bearing in an overhung load. Example would be a shaft mounted gear reducer. If the reducer is supported by a separate frame or by a torque arm, call the factory for a review.
6. Never spec a plane bearing in a trunnion application.
7. Always spec a Poly-Round® in applications below 40°F (4°C).
8. Never spec FA in an All-Round® bearing.
9. Never spec QB for continuous submerged operations or environments where the pH is more than 3 points off of neutral. Neutral pH is 7; QB should not be used lower than 4 nor higher than 10 pH.
10. KG housings should not be spec'd in applications that have ambient temperatures above 150°F. However, high temperature wash down and steam cleaning are acceptable (since the higher temperatures are not being sustained during operation, only in cleaning).
11. Machine specific (customized) bearings must be spec'd from a BDC or with participation of someone intimately familiar with the machine. Customized bearings often have less room for error.
12. Modular plastic belt conveyors will always use NA Poly-Round® bearings with a locking sleeve. These are covered by the EDT Guaranteed Solutions program to last for a minimum of one year.
13. When estimating the length of a conveyor for an application: figure each 90° bend in the conveyor as 3 times the length, and each 180° curve as 6 times the length. Example: a 10-foot conveyor with one 90° bend has an equivalent length of 30 feet. With two 90° bends, the bearings on the 10-foot conveyor are handling the equivalent of 60 feet on a straight conveyor. Ten feet with one 90° and one 180° bend is equivalent to a 90-foot straight conveyor when calculating bearing load. Normally you would see these kinds of designs on tabletop chain conveyors, which are best left to ball bearings.

(Continues on next page)

EDT Bearing Selection Guidelines (continued)

14. Abrasive contaminants (dust, flour, grains, sand, and other solids) must be kept out of the working surface of the bearing. Grease is not recommended in dusty environments as it attracts and holds the contaminants in the bearing. Seals like Forsheda V-Rings are recommended to reduce solid contamination of the journal. If there is sufficient room, the EDT Glove® should be used. The Glove® is available blind bored or thru bored. (See pages G-3 & G-4 in the PINK section).
15. In high solid abrasive contaminated applications it is best to completely isolate and cover the bearing with the EDT Glove®. Since any covering that restricts airflow around a bearing will raise temperature, it is normally recommended to use a ball bearing inside of the EDT Glove®.
16. If there is not enough flushing liquid present in an application, a black residue may build up around the ID of a QB or QF bearing. This is normal, but may be unacceptable in a sanitary environment. The only remedy for this is to use an alternative material; call the factory for recommendations.

RED FLAG ALERT!



Stainless ball bearings can RUST since the balls and races are made of 400-series (hardenable) stainless steel. High concentrations of cleaning solutions, as well as other strong chemicals, will speed the corrosion process.

OPTION: Check with EDT for assistance to see if a plane bearing (fully non-corrosive) might be an option for your application.



TECHNICAL UPDATE

October 1, 2002

EDT Corp Response Regarding Anti-Microbial Agents

Anti-microbial agents in bearings, bearing housings, belting, cutting boards, knife handles, and other food processing accessories are being increasingly promoted in industry. They began to appear **several years ago** in the U.S. with a variety of consumer and industrial products. In the European Union, Microban® has been approved as a food contact additive in plastics. In the USA, it is registered for use in food contact surfaces, except in food packaging.

EDT Corp is keeping watch on the regulations by government agencies as well as the scientific debate about this kind of product. There is not full agreement about the benefit or harm that these anti-microbial agents can have either short- or long-term.

Regardless of how they are promoted, **anti-microbial agents are not designed to kill** and **do not kill** the harmful bacteria. While certainly some bacteria are killed in the process, the purpose of these agents is to **RETARD THE GROWTH** of the bacteria. While this certainly would seem to be a desirable feature, there is considerable evidence in the testing that has been done to date that the bacteria that are not killed are, in fact, more resistant to these agents and develop increased resistance. This creates a bigger problem than was had before the introduction of these agents. This is true of Microban® and all other antimicrobial agents on the market.

If 98% of bacteria coming in contact with any product were killed because of an anti-microbial additive, that would leave 2% that would quickly multiply and, in the subsequent generations, would not be affected by the agent at all. In these kinds of bacteria, the second generation could be generated quickly and food processing plants would be continually forced into new and advanced chemicals to keep up acceptable sanitation levels.

Surveys that have been conducted in both the consumer and industrial markets clearly indicate that

people believe that these agents kill the bacteria, and people have developed a false sense of security when using products advertised with this anti-microbial feature. It is unwise to operate under the assumption that anti-microbials prevent bacteria from occurring.

Anti-microbial agents are not expensive, and do not change the price of the products in any meaningful way, but they make for great advertising until the buyer fully understands the limitations of the products. Many companies have added these agents to their products with good intentions but have done so without a full understanding of the long-term implications of these actions. Products are too often advertised for their features, and the limitations are not explained. The retail or industrial customer is then forced to make a purchasing decision based on incomplete information that is based more on "marketing" than on the complete facts of the science.

In the future, EDT expects that there will be killing agents that can be added to products, but at this time we are not aware of any. To date, we have seen no documentation that will show anything but a small "kill" percentage and a large "growth retardant" percentage.

EDT maintains a file of anti-microbial agents that are on the market, but because of the uncertainty of the final testing results and with a high probability of long term problems, we have decided to wait until more testing has been done before we take steps to add these agents to our products. If positive new information comes available on this subject, and long term testing shows that chemical additives are beneficial in the fight against detrimental bacteria, you can be assured that EDT Corp will upgrade our products to include these agents. For now, we believe that to include these agents in our products would be a disservice to our customers.

Additional questions on this topic should be addressed to Carl Klinge, EDT Engineering Manager.

ENGINEERING NOTES



Summary analysis of failed solid-lubricated ball bearings and 'red water'

In response to reports of premature ball bearing failure of EDT solid-lubricated stainless ball bearings, whether 440C or 300-series, EDT conducted research into the source of the problem towards finding a solution. The premature ball bearing failures manifest as bearings showing a 'red water' stain at the 6 o'clock position (gravity induced), and ball bearings failing more rapidly than historical life in the same location. Interestingly, these two events do not always occur together.

Our research began by interviewing plant personnel and also making numerous trips to processing facilities. It was challenging to discern a pattern of failure and to get comparisons with like installations that had not failed in other plants, as well as seeing varying results with alternative products. Consideration was given to equipment, lubricants, seals, bearing brands, types of metals in races, shields, cages, and the wash down chemicals used in the plants. Multiple failed bearings were submitted to an independent testing lab for evaluation, as was MSDS information of cleaning chemicals that came in contact with the bearings.

Laboratory Testing

EDT supplied failed bearings and photos of additional bearing failures and of 'red water' marking to an independent testing laboratory located in the Portland, Oregon area. The lab was asked to evaluate the nature of the current condition of all components of the bearings. They were also asked to assess the expected interaction of the component materials with cleaning chemicals (alkaline and chlorine) used in the field.

The following items were evaluated by the lab and/or by EDT:

1. 440 stainless bearings with solid lubricant
2. 440 stainless bearings with conventional food grade grease
3. 300-series stainless and solid lubricated bearings returned from field use
4. Alternative coated 52100 bearings with conventional food grade grease
5. Seal combinations
6. Shield combinations
7. Shaft size variations
8. Consideration of application
9. Consideration of plant geography
10. Consideration of dwell time exposure to the cleaning chemicals and sanitizers
11. Considerations of other EDT customer experiences over years of exposure

Here are facts and discoveries relevant to the occurrences of 'red water' and premature ball bearing failures:

1. The 440C stainless and the 300-series stainless used in EDT bearings is metallurgically the same as that used in other brands of stainless insert ball bearings.
2. A check of all vendor sources related to failed EDT bearings could detect no changes in processes and procedures, materials, or lubrication.
3. While there have been isolated incidences of corrosion of EDT bearings in various plants, the rash of corrosion and premature failures became more evident in the fall of 2013. This timing correlates with a move to more aggressive cleaning chemicals, particularly in facilities processing protein-rich food products.
4. There was no appreciable difference in corrosion pattern based on bearing location (application), plant location, or shaft size.
5. In areas where bearings are not subjected to significant wash down (box conveyors that get shorter chemical dwell time or areas inaccessible to heavy CIP), solid-lubricated, stainless ball bearings show very little sign of corrosion.
6. There appears to be no interaction of cleaning chemicals with the bearing components of seal, non-stainless cages, shield, solid lubricant, or grease.
7. In the presence of other liquids, some dilution of any lubricant can be expected.
8. There was degradation on all stainless bearings (440C and 300-series) of inner- and outer-races and balls from alkaline cleaners and chlorine sanitizers when used independently. There was also a third

(Continues on next page)

Solid-lubricated ball bearings and 'red water' (continued)

degrading action of the metal when these chemicals were used together or when a second chemical was used while there was residual of the first.

While 300 SS is generally more corrosion resistant than 400 SS, per the laboratory, the 300-series stainless is also subject to corrosion in the presence of these new, more aggressive cleaning chemicals. The two primary components of the 'red water' were analyzed to be iron and chromium, both of which are dark in color and exist in both SS metal families.

Grease protected the metal races better than the oil that is in solid lubricants. Because of this difference in protection, the races are more exposed to the chemicals with solid lubricants than with grease, which makes the chemicals more damaging.

9. Solid lubricated bearings on newly installed equipment, subjected to the full range of chemicals but not yet put into service, showed very little signs of corrosion.
10. Whether bearings were originally purchased with food grade grease or solid lubricated, in facilities where grease has been consistently [re]supplied, there are few-to-no incidences of bearing corrosion or 'red water.'

At plants that initiated a routine maintenance program of weekly re-greasing ALL ball bearings, regardless of whether originally purchased greased or solid lubricated, in order to "top off" the lube-fill, even 440 stainless insert ball bearings show little evidence of corrosion. Notably, with this practice, some stainless bearings have run reliably for as much as 2-1/2 years.

11. EDT Poly-Round® plane bearings (insert bearings that are made of solid polymer and mated with 316 stainless locking sleeves) consistently have exhibited no corrosion regardless of the composition of the cleaning chemical.

Conclusion

While generally 300-series stainless is more corrosion resistant than 400-series stainless, the 300-series, in the presence of these more aggressive cleaners, WILL show signs of corrosion.

It has been determined by the lab and validated in the field that, regardless of seal type, there is sufficient dilution of the solid lubricant to expose the bearing races to the caustic effects of the cleaning chemicals. Standard lubrication (grease) seems to offer better protection of the races from the chemicals; with grease, corrosion can better be prevented.

Prior to the use of such aggressive cleaning chemicals, EDT solid lubricated bearing products have provided significant cost savings for users. There is not a problem with the solid lubricants or solid lubricated bearings; the

issue is the aggressive chemical solutions diluting the oil more readily than grease, after which the metal is not as well protected and is more prone to corrosion. Until a better class of solid lubricants is developed to address these advances in cleaning and sanitizing chemicals, in applications where high levels of aggressive chemical solutions are used, greased bearings are better performers than solid lubricated bearings

EDT's Poly-Round® plane bearings with 316 stainless components in 300-series stainless, or our KG polymer material housings continue to be up to the challenges of this increasingly severe environment. There are many applications where ball bearings are currently used that would benefit from converting to plane bearings, and EDT will continue to work to expand the use of Poly-Round® bearings where feasible.

In the short term, for plants where solid lubricated bearings are prematurely failing and where increasingly aggressive cleaning chemicals are utilized, greased bearings with the ability to re grease to refresh the protective effect of grease on the stainless races appears to significantly extend bearing life, albeit without reducing labor. To avoid over-greasing and exacerbate product contamination from excess grease, careful attention should be paid to the amount of additional grease routinely added – some facilities processing protein have found that re-greasing one squirt one time per week sufficiently refreshes the grease to maximize stainless ball bearing life despite ongoing exposure to these increasingly aggressive wash down chemicals and sanitizers.

For the long term, EDT is exploring several options for new bearing lubricants and for bearing materials that can withstand the changing environment in food processing facilities. Tests of some options are in progress, and new products will be introduced when tests are completed and inventory is in place.

EDT strives to provide bearing products that address sanitation and productivity with low cost of ownership. We sincerely appreciate the opportunity to work with our customers, and look forward to continuing to partner with you with the goal of developing bearings that accommodate the needs at your facilities for:

- highest levels of sanitation
- lowest maintenance costs to maintain operations
- increasingly aggressive wash down products and processes
- different personnel and practices at each facility

With questions or concerns about EDT products, please contact us directly:

360-574-7294 or 800-810-7100



TECHNICAL UPDATE

March 28, 2015

Making plane bearings work on flat belt applications

Problem

Some processing systems are arranged with flat belt conveyors in locations or applications where ball bearings are problematic. Any of the following conditions may apply:

- Extreme of temperature exists that compromises lubrication in a ball bearing
- Corrosion exists that cannot be controlled with coated or stainless bearings
- Grease contaminates product
- Location is difficult to access
- Conveyor is submerged

Situation

While EDT does not generally recommend the use of plane bearings on flat belts, there are procedures that can be implemented to assist in making these types of conveyors work with EDT plane bearings. While there are no guarantees, these procedures will go a long way in ensuring a successful installation.

There are two issues involved:

1. Flat belts generally run faster than modular plastic or steel belts.
2. Tracking tension on a flat belt is high and unpredictable.

Per the PV formula, both of these issues contribute to the difficulty in plane bearings operating satisfactorily. The formulas provided by belt manufactures are based on lab tests for the required amount of tension to run their belts. This will take into account the belt material and friction data, pulley material, pulley surface finish, load, elevations, diameter of pulley, speed, etc. This is rarely the ACTUAL tension on the belt. There are always unknown factors such as: 1) the local environment and 2) differences in individuals maintaining the system. If the belt runs, it just means that all of the minimum conditions were met.

Solution

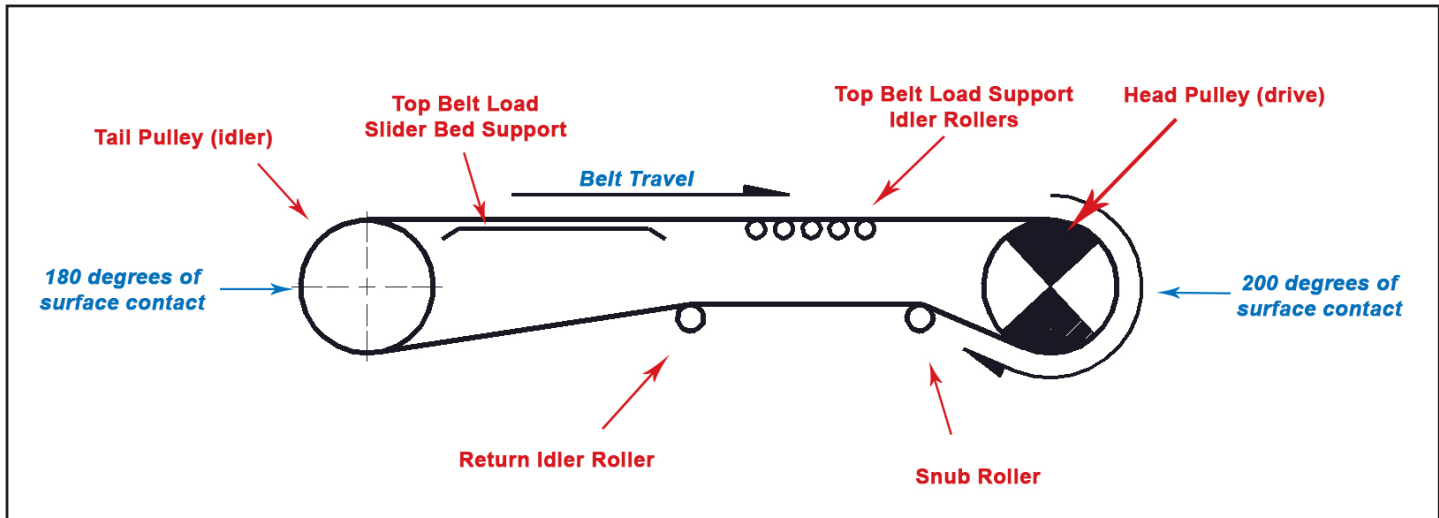
In order to create the best conditions for making a successful run with a plane bearing, ALL of the following conditions must be addressed to the greatest degree possible. The absence of any of the following will require a greater tension on the belt to run it; this greater tension will cause problems for plane bearings (as well as shorter life for ball bearings).

1. Pulley diameter should be as large as possible.
 - This makes the lowest shaft rotation speed for any given belt speed and the highest area of contact for the belt.
2. Belt speed should be as low as the application will allow.

(Continues on next page)

Making plane bearings work on flat belt applications (continued)

3. Pulley should be lagged or knurled.
 - This increases friction on the belt.
 - Pulley should not be smooth or flat because there is less friction between the two surfaces.
4. The belt/pulley arc of contact should be as great as possible.
 - This gets the most friction with the belt.



5. Belt should be tensioned to the absolute minimum to run the belt.
 - Mechanics must be trained to understand that the belt tracks to the tight side, but that it is sometimes useful to LOOSEN one side to make it track.
6. Belt ends must be cut at 90° on the lacing or vulcanized edge.
 - This makes the belt the same length on both edges of the belt.
7. Pulleys should be crowned to provide a high point in the center of the pulley.
 - This will force the highest tension of the belt to be in the center.
 - This will greatly assist in the proper tracking of a flat belt.

Advantages

Successful installation of a plane bearing on a flat belt can be very advantageous in locations where some issues of the environment may affect optimum ball bearing performance. Routine inspection of plane bearings (wear of plane bearings can usually be visually monitored) may be wise, but benefits of retrofitting to Poly-Round® plane bearings on flat belts when it is possible to do so include:

- Eliminating rust – completely non-corrosive
- Eliminating grease – cleaner running
- Eliminating temperature-related lubrication issues
- Unaffected by wash-down and process moisture



TECHNICAL UPDATE

July 6, 2015

Maintenance Recommendation for Extended Idle Bearing Conditions

Equipment that is idle creates bearing maintenance concerns that are not normally encountered when equipment is run on a regular basis. A rolling bearing that runs regularly maintains a lubricant film between the rolling elements and the races which prevents metal contact and corrosion damage to all of the components.

When a rolling bearing is idle for extended periods, the load is concentrated under just a few elements, and over time breaks through the lubricant film, eventually nesting on the race and creating small depressions. When the bearings are restarted, the rolling elements will roll over these depressions causing noise and vibration that accelerates the bearing wear. This is called 'false brinelling.' This applies whether ball bearings are lubricated with grease or with solid lubricant.

To avoid false brinelling and to protect the races from corrosion, EDT recommends that idle equipment be turned over regularly to maintain a lubricant film in the bearing. Longevity of idle bearings can be significantly improved by rotating bearings either by hand or by running for as short as five seconds.

Every 2 weeks is a general rule; idle bearings located in areas subject to chemical exposure including overspray from cleaning solutions, processing fluids, steam or spray may require more frequent rotation schedule to exploit the corrosion protection of the lubricant. The more frequently bearings are turned over, the better. In less difficult challenging locations, once a month may suffice.

EDT Class II plane bearings (Poly-Round®, All-Round®, Radial Poly-Round® products) do not require a lubricant film for general operation or for corrosion protection. Therefore, there is no need to periodically rotate these bearings. If EDT plane bearings are mounted on equipment that also includes rolling element bearings that do require periodic rotation, it will not affect the plane bearings to be part of that rotation.

ENGINEERING NOTES



TECHNICAL UPDATE

January 5, 2016

Engineering and economic justification for reuse of EDT bearing housings

Much of the long term value of mounted bearings is tied up in the housings but, for short term convenience, many housings are tossed into the garbage or recycling and the long term value of the housing is lost. With the simple act of removing the spent bearing insert and replacing with new, the long term value of the package can double, triple, or more.

EDT KG polymer and stainless steel bearing housings are unique in the industry in that they are designed to be reused multiple times. As long as they are handled with care, they can be used almost indefinitely under normal conditions. Each time they are used, the cost of the mounted assembly is driven closer to the simple cost of the bearing insert itself. This not only adds significantly to the bottom line, but reduces landfill volume for the KG polymer and the cost of recycling for the stainless.

A second, but no less important value proposition of EDT bearing housings (unique in the industry) is that they are designed and manufactured to accommodate non-EDT branded bearings. All of the world's industry-standard brands will retrofit into EDT housings, and the 80-90% that are designed for a loading slot on the back of the housing can be re-lubricated. All EDT housings are loaded from the back and contain a universal grease groove to accommodate industry-standard bearing inserts that require periodic lubrication. This specific design feature allows the customer the flexibility to mix and match inserts with housings that are most suitable for the application.

A third value proposition of EDT housings is the attention to detail for sanitation. Outside surfaces are all mechanically finished to provide the smoothest surfaces in the industry; general design eliminates sharp corners, small nooks and crannies, and also eliminates crush rings in bolt holes. For both KG polymer and stainless housings, these features resulted in the issuance of a USDA Acceptance Certificate for these products.

EDT bearing housings are made in the USA with special attention to the following:

1. The interchange of bearing inserts to include all brands of bearings
2. USDA sanitary standards
3. Transition fit for bearing in SS housing
4. Compression fit for bearing in KG polymer housing
5. Re-use over many cycles to provide the lowest cost of long-term operation to the end user
6. Flexibility to use polymer plane bearings, greased bearings, or solid lubricated bearings, all in the same housing.

ENGINEERING NOTES