

PCI **ROLLERS**

**Track Rollers &
Cam Followers**



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TRACK ROLLERS

Interchange Charts

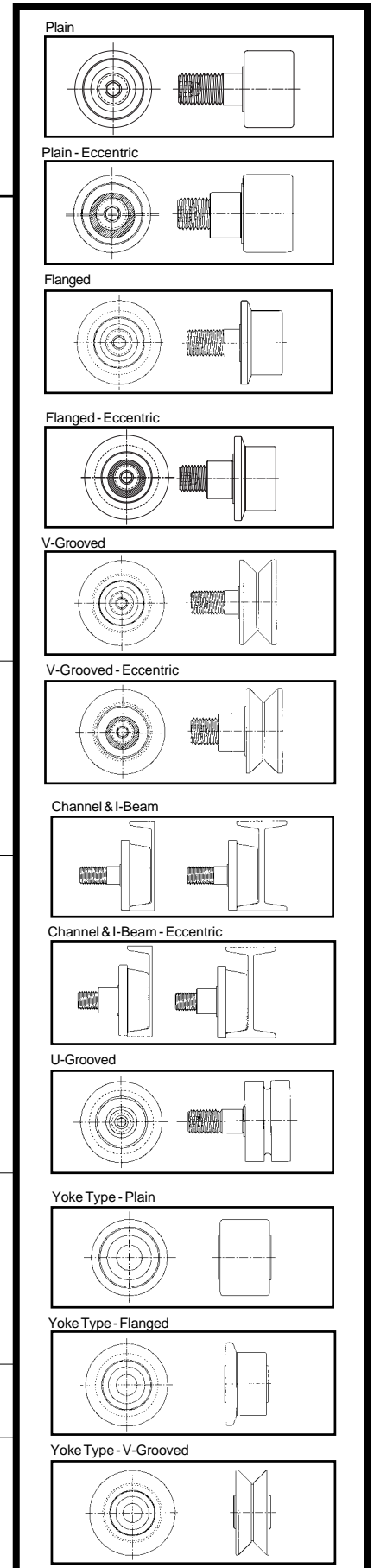
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Seal of Excellence

PCI is committed to manufacturing quality products to meet your demanding standards. Each unit is inspected numerous times during the manufacturing process, assuring you of quality second to none. Every unit is then individually packaged and sealed with the PCI Seal of Excellence.

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TRACK ROLLERS VS. CAM FOLLOWERS

What is the difference?

PCI Track Rollers are manufactured with either deep groove ball bearings or tapered roller bearings, are designed for moderate radial loads, and are able to handle thrust loads. PCICam Followers are manufactured with needle bearings that can accept radial loads yet cannot accommodate thrust loading.

MADE IN THE U.S.A.



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Track Roller

English (Inch) Interchange Charts

STUD TYPE

Plain Track Roller			Flanged Track Roller			V-Grooved Track Roller		
PCI Part Number	Osborn	McGill	PCI Part Number	Osborn	McGill	PCI Part Number	Osborn	McGill
PTR-1.00	PLR-1	N/A	FTR-1.00	FLR-1	N/A	VTR-1.50	VLR-1 1/2	N/A
PTR-1.125	PLR-1 1/8	N/A	FTR-1.125	FLR-1 1/8	N/A	VTR-2.00	VLR-2	N/A
PTR-1.25	PLR-1 1/4	N/A	FTR-1.25	FLR-1 1/4	N/A	VTR-2.50	VLR-2 1/2	N/A
PTR-1.375	PLR-1 3/8	N/A	FTR-1.375	FLR-1 3/8	N/A	VTR-3.50	VLR-3 1/2	VCF-3 1/2
PTR-1.50	PLR-1 1/2	PCF-1 1/2	FTR-1.50	FLR-1 1/2	FCF-1 1/2	VTR-3.50E	VLR-3 1/2-16	N/A
PTR-1.75	PLR-1 3/4	PCF-1 3/4	FTR-1.50-2	FLR-1 1/2-2	N/A	VTR-4.50	VLR-4 1/2	VCF-4 1/2
PTR-1.75-5	PLR-1 3/4-5	PCF-1 3/4-5	FTR-1.75	FLR-1 3/4	FCF-1 3/4	VTR-5.50	VLR-5 1/2	VCF-5 1/2
PTR-2.00	PLR-2	PCF-2	FTR-2.00	FLR-2	FCF-2	VTR-6.50	VLR-6 1/2	VCF-6 1/2
PTR-2.25	PLR-2 1/4	PCF-2 1/4	FTR-2.00-9	N/A	N/A	VTR-7.50	VLR-7 1/2	VCF-7 1/2
PTR-2.50	PLR-2 1/2	PCF-2 1/2	FTR-2.25	FLR-2 1/4	FCF-2 1/4	VTR-8.50	VLR-8 1/2	VCF-8 1/2
PTR-2.75	PLR-2 3/4	PCF-2 3/4	FTR-2.50	FLR-2 1/2	FCF-2 1/2			
PTR-3.00	PLR-3	PCF-3	FTR-2.75	FLR-2 3/4	FCF-2 3/4			
PTR-3.25	PLR-3 1/4	PCF-3 1/4	FTR-3.00	FLR-3	FCF-3			
PTR-3.50	PLR-3 1/2	PCF-3 1/2	FTR-3.25	FLR-3 1/4	FCF-3 1/4			
PTR-4.00	PLR-4	PCF-4	FTR-3.50	FLR-3 1/2	FCF-3 1/2			
PTR-4.50	PLR-4 1/2	PCF-4 1/2	FTR-4.00	FLR-4	FCF-4			
PTR-5.00	PLR-5	PCF-5	FTR-4.50	FLR-4 1/2	FCF-4 1/2			
PTR-6.00	PLR-6	PCF-6	FTR-5.00	FLR-5	FCF-5			
PTR-7.00	PLR-7	PCF-7	FTR-6.00	FLR-6	FCF-6			
PTR-8.00	PLR-8	PCF-8	FTR-7.00	FLR-7	FCF-7			
PTR-10.00	PLR-10	N/A	FTR-8.00	FLR-8	FCF-8			
PTR-10.00-8	PLR-10-1	N/A	FTR-10.00	N/A	N/A			

Plain Eccentric Track Roller			Flanged Eccentric Track Roller			V-Grooved Eccentric Track Roller		
PCI Part Number	Osborn	McGill	PCI Part Number	Osborn	McGill	PCI Part Number	Osborn	McGill
PTRE-1.00	PLRE-1	N/A	FTRE-1.00	FLRE-1	N/A	VTRE-1.50	VLRE-1 1/2	N/A
PTRE-1.125	PLRE-1 1/8	N/A	FTRE-1.125	FLRE-1 1/8	N/A	VTRE-2.00	VLRE-2	N/A
PTRE-1.25	PLRE-1 1/4	N/A	FTRE-1.25	FLRE-1 1/4	N/A	VTRE-2.50	VLRE-2 1/2	VCFE-2 1/2
PTRE-1.375	PLRE-1 3/8	N/A	FTRE-1.375	FLRE-1 3/8	N/A	VTRE-3.50	VLRE-3 1/2	VCFE-3 1/2
PTRE-1.50	PLRE-1 1/2	PCFE-1 1/2	FTRE-1.50	FLRE-1 1/2	FCFE-1 1/2	VTRE-3.50E	VLRE-3 1/2-4	N/A
PTRE-1.75	PLRE-1 3/4	PCFE-1 3/4	FTRE-1.75	FLRE-1 3/4	FCFE-1 3/4	VTRE-4.50	VLRE-4 1/2	VCFE-4 1/2
PTRE-2.00	PLRE-2	PCFE-2	FTRE-2.00	FLRE-2	FCFE-2	VTRE-5.50	N/A	N/A
PTRE-2.25	PLRE-2 1/4	PCFE-2 1/4	FTRE-2.25	FLRE-2 1/4	FCFE-2 1/4	VTRE-6.50	N/A	N/A
PTRE-2.50	PLRE-2 1/2	PCFE-2 1/2	FTRE-2.50	FLRE-2 1/2	FCFE-2 1/2	VTRE-7.50	N/A	N/A
PTRE-2.75	PLRE-2 3/4	PCFE-2 3/4	FTRE-2.75	FLRE-2 3/4	FCFE-2 3/4			
PTRE-3.00	PLRE-3	PCFE-3	FTRE-3.00	FLRE-3	FCFE-3			
PTRE-3.25	PLRE-3 1/4	PCFE-3 1/4	FTRE-3.25	FLRE-3 1/4	FCFE-3 1/4			
PTRE-3.50	PLRE-3 1/2	PCFE-3 1/2	FTRE-3.50	FLRE-3 1/2	FCFE-3 1/2			
PTRE-4.00	PLRE-4	PCFE-4	FTRE-4.00	FLRE-4	FCFE-4			
PTRE-4.50	N/A	N/A	FTRE-4.50	N/A	N/A			
PTRE-5.00	PLRE-5	N/A	FTRE-5.00	FLRE-5	N/A			
PTRE-6.00	PLRE-6	N/A	FTRE-6.00	FLRE-6	N/A			

U-Grooved Track Roller		
PCI Part Number	Osborn	McGill
UTR-2.9375-A	ULR-2 15/16-A	UCF-2 15/16-1
UTR-2.9375-B	ULR-2 15/16-B	UCF-2 15/16-2
UTR-2.9375-C	ULR-2 15/16-C	UCF-2 15/16-3
UTR-2.9375-D	ULR-2 15/16-D	UCF-2 15/16-4
UTR-2.9375-E	ULR-2 15/16-E	UCF-2 15/16-5
UTR-2.9375-F	ULR-2 15/16-F	UCF-2 15/16-6
UTR-2.9375-G	ULR-2 15/16-G	UCF-2 15/16-7
UTR-2.9375-H	ULR-2 15/16-H	UCF-2 15/16-8
UTR-2.9375-I	ULR-2 15/16-I	UCF-2 15/16-9
UTR-2.9375-J	ULR-2 15/16-J	UCF-2 15/16-10

YOKE TYPE

Plain Yoke Roller			Flanged Yoke Roller			V-Grooved Yoke Roller			Yoke Roller Shafts		
PCI Part Number	Osborn	McGill	PCI Part Number	Osborn	McGill	PCI Part Number	Osborn	McGill	PCI Part Number	Osborn	McGill
PTRY-2.00	N/A	N/A	FTRY-2.50	N/A	N/A	VTRY-2.50	N/A	N/A	YSH-.625	N/A	N/A
PTRY-2.25	N/A		FTRY-2.75	N/A		VTRY-3.50	N/A		YSH-.750	SHA-750	
PTRY-2.50	N/A		FTRY-3.00	FLRY-3		VTRY-3.75	VLRY-3 3/4		YSH-1.000	SHA-1000	
PTRY-2.75	N/A		FTRY-3.25	FLRY-3 1/4		VTRY-4.50	VLRY-4 1/2		YSH-1.250	SHA-1125	
PTRY-3.00	PLRY-3		FTRY-3.50	FLRY-3 1/2		VTRY-5.00	VLRY-5		YSH-1.250	SHA-1250	
PTRY-3.25	PLRY-3 1/4		FTRY-4.00	FLRY-4		VTRY-5.50	VLRY-5 1/2		YSH-1.750	SHA-1750	
PTRY-3.50	PLRY-3 1/2		FTRY-5.00	FLRY-5		VTRY-6.50	VLRY-6 1/2		YSH-2.250	SHA-2250	
PTRY-4.00	PLRY-4		FTRY-6.00	FLRY-6		VTRY-7.50	VLRY-7 1/2		YSH-2.750	SHA-2750	
PTRY-5.00	PLRY-5		FTRY-7.00	FLRY-7		VTRY-8.50	VLRY-8 1/2		YSH-3.250	SHB-3250	
PTRY-6.00	PLRY-6		FTRY-8.00	FLRY-8		VTRY-9.50	VLRY-9 1/2		YSH-3.750	SHB-3750	
PTRY-7.00	PLRY-7	FTRY-9.00	FLRY-9	VTRY-10.50	VLRY-10 1/2	YSH-4.250	SHB-4250				
PTRY-8.00	PLRY-8	FTRY-10.00	FLRY-10	VTRY-11.50	VLRY-11 1/2						
PTRY-9.00	PLRY-9										
PTRY-10.00	PLRY-10										

These charts are provided to compare the interchangeability of track rollers made by various manufacturers. Please note that all manufacturers do not have the same dimensions and specifications. Ask your **PCI** sales engineer for assistance in comparing dimensions critical for specific applications.



Track Roller

Metric Interchange Charts

METRIC STUD TYPE

Plain Track Roller	
PCI Part Number	Osborn
MPTR-40	HPC-40
MPTR-40-1	HPC-40-1
MPTR-47	HPC-47
MPTR-50	HPC-50
MPTR-52	HPC-52
MPTR-62	HPC-62
MPTR-62-1	HPC-62-1
MPTR-72	HPC-72
MPTR-76	HPC-76
MPTR-80	HPC-80
MPTR-85	HPC-85
MPTR-90	HPC-90
MPTR-100	HPC-100
MPTR-100-1	HPC-100-1
MPTR-125	HPC-125
MPTR-150	HPC-150
MPTR-200	HPC-200

Flanged Track Roller	
PCI Part Number	Osborn
MFTR-40	HPJ-40
MFTR-40-1	HPJ-40-1
MFTR-47	HPJ-47
MFTR-50	HPJ-50
MFTR-52	HPJ-52
MFTR-62	HPJ-62
MFTR-62-2	HPJ-62-2
MFTR-72	HPJ-72
MFTR-76	HPJ-76
MFTR-80	HPJ-80
MFTR-85	HPJ-85
MFTR-90	HPJ-90
MFTR-100	HPJ-100
MFTR-100-1	HPJ-100-1
MFTR-125	HPJ-125
MFTR-150	HPJ-150
MFTR-200	HPJ-200

V-Grooved Track Roller	
PCI Part Number	Osborn
MVTR-40	HPV-40
MVTR-62	HPV-62
MVTR-62-1	HPV-62-1
MVTR-76	HPV-76
MVTR-100	HPV-100
MVTR-100-1	HPV-100-1
MVTR-125	HPV-125

V-Grooved Eccentric Track Roller	
PCI Part Number	Osborn
MVTRE-40	HPVE-40
MVTRE-62	HPVE-62
MVTRE-62-1	HPVE-62-1
MVTRE-76	HPVE-76
MVTRE-100	HPVE-100
MVTRE-125	HPVE-125

Plain Eccentric Track Roller	
PCI Part Number	Osborn
MPTRE-40	HPCE-40
MPTRE-47	HPCE-47
MPTRE-50	HPCE-50
MPTRE-52	HPCE-52
MPTRE-62	HPCE-62
MPTRE-62-1	HPCE-62-1
MPTRE-72	HPCE-72
MPTRE-76-1	HPCE-76-1
MPTRE-80	HPCE-80
MPTRE-85	HPCE-85
MPTRE-90	HPCE-90
MPTRE-100	HPCE-100
MPTRE-125	HPCE-125
MPTRE-150	HPCE-150

Flanged Eccentric Track Roller	
PCI Part Number	Osborn
MFTR-40-1	HPJE-40-1
MFTR-50	HPJE-50
MFTR-62-1	HPJE-62-1
MFTR-76	HPJE-76
MFTR-90	HPJE-90
MFTR-100	HPJE-100
MFTR-125	HPJE-125
MFTR-150	HPJE-150

METRIC YOKE TYPE

Plain Yoke Roller	
PCI Part Number	Osborn
MPTRY-76	HPCA-76
MPTRY-80	HPCA-80
MPTRY-85	HPCA-85
MPTRY-90	HPCA-90
MPTRY-100	HPCA-100
MPTRY-125	HPCA-125
MPTRY-150	HPCA-150
MPTRY-200	HPCA-200
MPTRY-250	HPCA-250

Flanged Yoke Roller	
PCI Part Number	Osborn
MFTRY-76	HPJA-76
MFTRY-80	HPJA-80
MFTRY-85	HPJA-85
MFTRY-90	HPJA-90
MFTRY-100	HPJA-100
MFTRY-125	HPJA-125
MFTRY-150	HPJA-150
MFTRY-200	HPJA-200

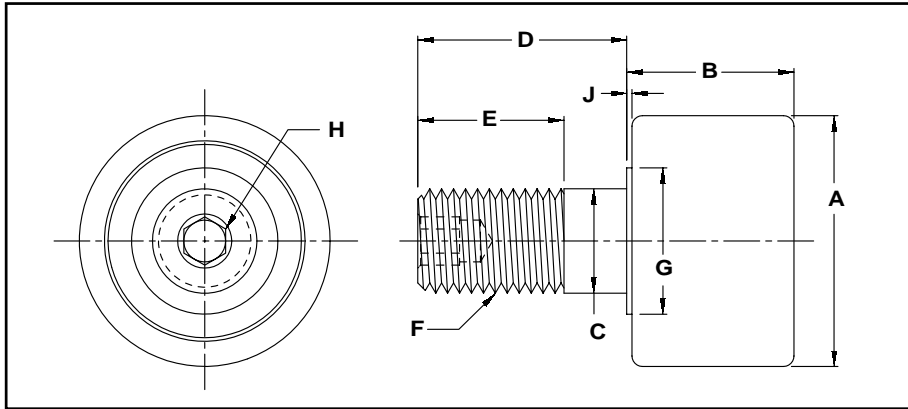
V-Grooved Yoke Roller	
PCI Part Number	Osborn
MVTRY-62	HPVA-62
MVTRY-76	HPVA-76
MVTRY-100	HPVA-100
MVTRY-125	HPVA-125
MVTRY-150	HPVA-150
MVTRY-200	HPVA-200
MVTRY-250	HPVA-250

Yoke Roller Shafts	
PCI Part Number	Osborn
MYSH-25	MSHA-25
MYSH-30	MSHA-30
MYSH-45	MSHA-45
MYSH-55	MSHA-55
MYSH-70	MSHA-70

These charts are provided to compare the interchangeability of track rollers made by various manufacturers. Please note that all manufacturers do not have the same dimensions and specifications. Ask your **PCI** sales engineer for assistance in comparing dimensions critical for specific applications.



“PTR” Series - Track Roller Stud Type Plain



Plain Track Rollers effectively carry radial loads. For heavy side loads, they can also be positioned to act as side guides.

See page 26 for regreaseable specifications. Ask a sales engineer about stainless steel options.

PCI Standard Steel Part Number	PCI Regreaseable Part Number	A Roller Dia. +.000/- .001	B Roller Width	C Stud Dia. +.000/- .001	D Stud Length	E Thread Length	F Fine Thread	G Shoulder Dia.	H Hex Size	J Shoulder Length	Regreaseable	
											Y Wrench Flat	Z Fitting Size included
PTR-1.00	PTR-1.00-R	1.000	.781	.437	1.000	.500	7/16-20	.500	3/16	.031	.312	1/8 Drive
PTR-1.125	PTR-1.125-R	1.125	.781	.437	1.000	.500	7/16-20	.500	3/16	.031	.312	
PTR-1.25	PTR-1.25-R	1.250	.844	.500	1.250	.625	1/2-20	.625	3/16	.031	.375	
PTR-1.375	PTR-1.375-R	1.375	.844	.500	1.250	.625	1/2-20	.625	3/16	.031	.375	
PTR-1.50	PTR-1.50-R	1.500	1.187	.625	1.500	.750	5/8-18	.750	5/16	.063	.500	
PTR-1.75	PTR-1.75-R	1.750	1.187	.750	1.750	.875	3/4-16	.875	5/16	.063	.625	1/8 - 27 NPT
PTR-1.75-5	MTO	1.750	1.438	.500	1.125	.875	1/2-13	.625 (HEX)	N/A	.3125	--	--
PTR-2.00	PTR-2.00-R	2.000	1.687	.875	2.000	1.125	7/8-14	1.000	5/16	.063	.625	1/8 - 27 NPT
PTR-2.25	PTR-2.25-R	2.250	1.687	.875	2.000	1.125	7/8-14	1.000	5/16	.063	.625	
PTR-2.50	PTR-2.50-R	2.500	1.687	1.000	2.250	1.500	1-14	1.187	3/8	.063	.875	
PTR-2.75	PTR-2.75-R	2.750	1.687	1.000	2.250	1.500	1-14	1.187	3/8	.063	.875	
PTR-3.00	PTR-3.00-R	3.000	2.000	1.250	2.500	1.750	1 1/4-12	1.750	1/2	.063		
PTR-3.25	PTR-3.25-R	3.250	2.000	1.250	2.500	1.750	1 1/4-12	1.750	1/2	.063		
PTR-3.50	PTR-3.50-R	3.500	2.000	1.250	2.750	1.750	1 1/4-12	1.750	1/2	.063		
PTR-4.00	PTR-4.00-R	4.000	2.000	1.250	2.750	1.750	1 1/4-12	1.750	1/2	.063		
PTR-4.50	PTR-4.50-R	4.500	2.000	1.250	2.750	1.750	1 1/4-12	1.750	1/2	.063		
PTR-5.00	PTR-5.00-R	5.000	3.000	2.000	4.500	2.500	2-12	3.000	5/8	.063	5/8 Hex	1/4-28 UNF
PTR-6.00	PTR-6.00-R	6.000	3.000	2.500	5.500	3.250	2 1/2-12	3.500	5/8	.063		
PTR-7.00	PTR-7.00-R	7.000	3.000	2.500	5.500	3.250	2 1/2-12	3.500	5/8	.063		
PTR-8.00	PTR-8.00-R	8.000	3.000	2.500	5.500	3.250	2 1/2-12	3.500	5/8	.063		
PTR-10.00	PTR-10.00-R	10.000	3.000	2.500	5.500	3.250	2 1/2-12	3.500	5/8	.063		
PTR-10.00-8	MTO	10.000	5.000	4.250	9.000	4.000	3 1/2-4 UNC	5.000	5/8	.125		

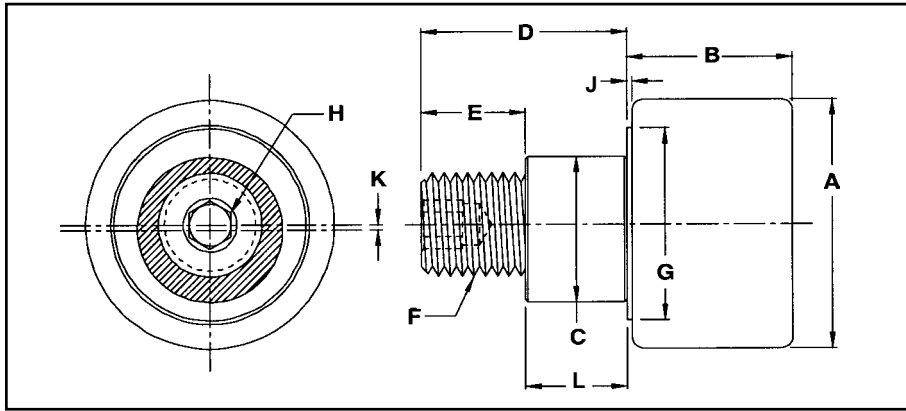
MTO = Made To Order

PCI Standard Steel Part Number	PCI Regreaseable Part Number	Bearing Capacity						Stud Capacity			Retaining Ring Load	Weight (lbs.)	Sealed Bearing Type
		Radial Load			Thrust Load			Bending = .75Sy					
		3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	Load @ Center of Roller	Load @ End of Roller	Load @ Mounting Rail			
PTR-1.00	PTR-1.00-R	239	627	278	129	339	70	600	250	2,480	470	.18	Ball Bearings
PTR-1.125	PTR-1.125-R	239	627	278	129	339	70	600	250	2,480	470	.22	
PTR-1.25	PTR-1.25-R	516	1,350	746	279	730	187	980	440	4,100	470	.29	
PTR-1.375	PTR-1.375-R	516	1,350	746	279	730	187	980	440	4,100	470	.35	
PTR-1.50	PTR-1.50-R	1,050	2,750	1,394	650	1,700	700	1,680	720	7,270	550	.50	
PTR-1.75	PTR-1.75-R	1,050	2,750	1,394	650	1,700	700	1,680	720	7,270	550	.81	
PTR-1.75-5	MTO	1,050	2,750	1,394	650	1,700	700	1,680	720	7,270	550	.56	
PTR-2.00	PTR-2.00-R	1,460	3,820	2,140	910	2,380	1,070	4,670	1,645	14,600	900	1.3	
PTR-2.25	PTR-2.25-R	1,460	3,820	2,140	910	2,380	1,070	4,670	1,645	14,600	900	1.7	
PTR-2.50	PTR-2.50-R	2,140	5,560	3,500	1,315	3,415	1,750	10,110	4,490	31,600	1,340	2.3	
PTR-2.75	PTR-2.75-R	2,140	5,560	3,500	1,315	3,415	1,750	10,110	4,490	31,600	1,340	2.7	
PTR-3.00	PTR-3.00-R	6,000	14,300	20,000	2,430	5,790	12,000	13,970	6,980	50,980	N/A	4.0	
PTR-3.25	PTR-3.25-R	6,000	14,300	20,000	2,430	5,790	12,000	13,970	6,980	50,980	N/A	4.7	
PTR-3.50	PTR-3.50-R	6,000	14,300	20,000	2,430	5,790	12,000	13,970	6,980	50,980	N/A	5.5	
PTR-4.00	PTR-4.00-R	6,000	14,300	20,000	2,430	5,790	12,000	13,970	6,980	50,980	N/A	7.1	
PTR-4.50	PTR-4.50-R	6,000	14,300	20,000	2,430	5,790	12,000	13,970	6,980	50,980	N/A	9.0	
PTR-5.00	PTR-5.00-R	15,100	35,870	58,400	5,590	13,310	32,100	41,900	20,950	138,950	N/A	19.0	
PTR-6.00	PTR-6.00-R	15,100	35,830	56,200	5,950	14,150	32,900	92,600	46,300	235,750	N/A	28.0	
PTR-7.00	PTR-7.00-R	15,100	35,830	56,200	5,950	14,150	32,900	92,600	46,300	235,750	N/A	36.0	
PTR-8.00	PTR-8.00-R	15,100	35,830	56,200	5,950	14,150	32,900	92,600	46,300	235,750	N/A	49.0	
PTR-10.00	PTR-10.00-R	15,100	35,830	56,200	5,950	14,150	32,900	92,600	46,300	235,750	N/A	72.0	
PTR-10.00-8	MTO	35,200	83,700	159,800	16,400	39,000	110,000	219,800	109,900	589,740	N/A	130.0	

Lock washers and jam nuts available at an additional cost.



“PTRE” Series - Track Roller Stud Type Plain - Eccentric



Eccentric Track Rollers are used where precision alignment is necessary. The stud can be rotated before the roller is tightened into position, which overcomes locational tolerance and unequal loading of multiple rollers. It will also help with alignment in guiding applications.

See page 26 for regreaseable specifications. Ask a sales engineer about stainless steel options.

PCI Standard Steel Part Number	PCI Regreaseable Part Number	A Roller Dia. +.000/- .001	B Roller Width	C Ecc. Dia. +.000/- .001	D Stud Length	E Thread Length	F Fine Thread	G Shoulder Dia.	H Hex Size	J Shoulder Length	K Ecc. Offset	L Ecc. Length	Regreaseable	
													Y Wrench Flat	Z Fitting Size Included
PTRE-1.00	PTRE-1.00-R	1.000	.781	.625	1.000	.520	7/16-20	.730	3/16	.031	.030	.480	.312	1/8 Drive
PTRE-1.125	PTRE-1.125-R	1.125	.781	.625	1.000	.520	7/16-20	.730	3/16	.031	.030	.480	.312	
PTRE-1.25	PTRE-1.25-R	1.250	.844	.687	1.250	.645	1/2-20	.812	3/16	.031	.030	.605	.375	
PTRE-1.375	PTRE-1.375-R	1.375	.844	.687	1.250	.645	1/2-20	.812	3/16	.031	.030	.605	.375	
PTRE-1.50	PTRE-1.50-R	1.500	1.187	.875	1.500	.770	5/8-18	1.125	5/16	.063	.030	.730	.500	
PTRE-1.75	PTRE-1.75-R	1.750	1.187	1.000	1.750	.895	3/4-16	1.250	5/16	.063	.030	.855	.625	1/8-27 NPT
PTRE-2.00	PTRE-2.00-R	2.000	1.687	1.187	2.000	1.020	7/8-14	1.500	5/16	.063	.030	.980	.625	
PTRE-2.25	PTRE-2.25-R	2.250	1.687	1.187	2.000	1.020	7/8-14	1.500	5/16	.063	.030	.980	.625	
PTRE-2.50	PTRE-2.50-R	2.500	1.687	1.375	2.250	1.145	1-14	1.688	3/8	.063	.030	1.105	.875	
PTRE-2.75	PTRE-2.75-R	2.750	1.687	1.375	2.250	1.145	1-14	1.688	3/8	.063	.030	1.105	.875	
PTRE-3.00	PTRE-3.00-R	3.000	2.000	1.750	2.500	1.270	1 1/4-12	2.313	1/2	.063	.060	1.230	1.230	5/8 Hex 1/4-28 UNF
PTRE-3.25	PTRE-3.25-R	3.250	2.000	1.750	2.500	1.270	1 1/4-12	2.313	1/2	.063	.060	1.230	1.230	
PTRE-3.50	PTRE-3.50-R	3.500	2.000	1.812	2.750	1.395	1 1/4-12	2.313	1/2	.063	.060	1.355	1.355	
PTRE-4.00	PTRE-4.00-R	4.000	2.000	1.812	2.750	1.395	1 1/4-12	2.313	1/2	.063	.060	1.355	1.355	
PTRE-4.50	PTRE-4.50-R	4.500	2.000	1.812	2.750	1.395	1 1/4-12	2.313	1/2	.063	.060	1.355	1.355	
PTRE-5.00	PTRE-5.00-R	5.000	3.000	2.625	4.500	2.375	2-12	3.250	5/8	.063	.060	2.125	2.125	2.875
PTRE-6.00	PTRE-6.00-R	6.000	3.000	3.125	5.500	2.625	2 1/2-12	3.625	5/8	.063	.060	2.875	2.875	

MTO = Made To Order

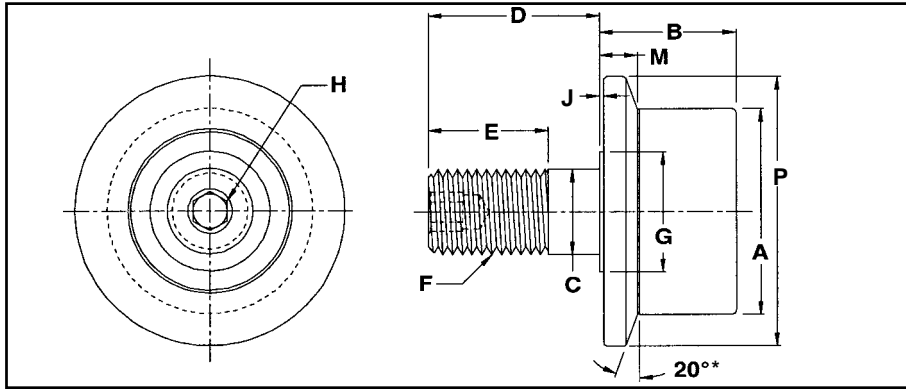
PCI Standard Steel Part Number	PCI Regreaseable Part Number	Bearing Capacity						Stud Capacity				Retaining Ring Load	Weight (lbs.)	Sealed Bearing Type
		Radial Load			Thrust Load			Bending = .75Sy		Shear = .75 x .5Sy				
		3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	Load @ Center of Roller	Load @ End of Roller	Load @ Mounting Rail				
PTRE-1.00	PTRE-1.00-R	239	627	278	129	339	70	600	250	2,480	470	.20	Ball Bearings	
PTRE-1.125	PTRE-1.125-R	239	627	278	129	339	70	600	250	2,480	470	.24		
PTRE-1.25	PTRE-1.25-R	516	1,350	746	279	730	187	980	440	4,100	470	.32		
PTRE-1.375	PTRE-1.375-R	516	1,350	746	279	730	187	980	440	4,100	470	.38		
PTRE-1.50	PTRE-1.50-R	1,050	2,750	1,394	650	1,700	700	1,680	720	7,270	550	.63		
PTRE-1.75	PTRE-1.75-R	1,050	2,750	1,394	650	1,700	700	1,680	720	7,270	550	.94		
PTRE-2.00	PTRE-2.00-R	1,460	3,820	2,140	910	2,380	1,070	4,670	1,645	14,600	900	1.6		
PTRE-2.25	PTRE-2.25-R	1,460	3,820	2,140	910	2,380	1,070	4,670	1,645	14,600	900	2.0		
PTRE-2.50	PTRE-2.50-R	2,140	5,560	3,500	1,315	3,415	1,750	10,110	4,490	31,600	1,340	2.5		
PTRE-2.75	PTRE-2.75-R	2,140	5,560	3,500	1,315	3,415	1,750	10,110	4,490	31,600	1,340	3.4		
PTRE-3.00	PTRE-3.00-R	6,000	14,300	20,000	2,430	5,790	12,000	13,970	6,980	50,980	N/A	4.5	Tapered Roller Bearings	
PTRE-3.25	PTRE-3.25-R	6,000	14,300	20,000	2,430	5,790	12,000	13,970	6,980	50,980	N/A	5.4		
PTRE-3.50	PTRE-3.50-R	6,000	14,300	20,000	2,430	5,790	12,000	13,970	6,980	50,980	N/A	6.0		
PTRE-4.00	PTRE-4.00-R	6,000	14,300	20,000	2,430	5,790	12,000	13,970	6,980	50,980	N/A	7.6		
PTRE-4.50	PTRE-4.50-R	6,000	14,300	20,000	2,430	5,790	12,000	13,970	6,980	50,980	N/A	9.5		
PTRE-5.00	PTRE-5.00-R	15,100	35,870	58,400	5,950	13,310	32,100	41,900	20,950	138,950	N/A	21.4		
PTRE-6.00	PTRE-6.00-R	15,100	35,830	56,200	5,950	14,150	32,900	72,600	46,300	235,750	N/A	30.3		

MTO = Made To Order

Lock washers and jam nuts available at an additional cost.



"FTR" Series - Track Roller Stud Type Flanged



Flanged Track Rollers are used where light side thrust loads exist. When used in this manner, the flange acts as a guide. Flanged Track Rollers are also used in combination with Plain Track Rollers.

See page 26 for regreaseable specifications. Ask a sales engineer about stainless steel options.

PCI Standard Steel Part Number	PCI Regreaseable Part Number	A Roller Dia. +.000/- .001	B Roller Width	C Stud Dia. +.000/- .001	D Stud Length	E Thread Length	F Fine Thread	G Shoulder Dia.	H Hex Size	J Shoulder Length	M Flange Width	P Flange Dia.	Regreaseable	
													Y Wrench Flat	Z Fitting Size Included
FTR-1.00	FTR-1.00-R	1.000	.781	.437	1.000	.500	7/16-20	.500	3/16	.031	.219	1.375	.312	1/8 Drive
FTR-1.125	FTR-1.125-R	1.125	.781	.437	1.000	.500	7/16-20	.500	3/16	.031	.219	1.500	.312	
FTR-1.25	FTR-1.25-R	1.250	.844	.500	1.250	.625	1/2-20	.625	3/16	.031	.219	1.563	.375	
FTR-1.375	FTR-1.375-R	1.375	.844	.500	1.250	.625	1/2-20	.625	3/16	.031	.219	1.688	.375	
FTR-1.50	FTR-1.50-R	1.500	1.187	.625	1.500	.750	5/8-18	.750	5/16	.063	.343	2.187	.500	
FTR-1.50-2	FTR-1.50-2-R	1.500	1.063	.500	1.375	.750	1/2-20	.625	1/4	.063	.343	2.000	.375	
FTR-1.75	FTR-1.75-R	1.750	1.187	.750	1.750	.875	3/4-16	.875	5/16	.063	.343	2.437	.625	
FTR-2.00	FTR-2.00-R	2.000	1.687	.875	2.000	1.000	7/8-14	1.000	5/16	.063	.593	2.687	.625	
FTR-2.00-9*	FTR-2.00-9-R*	2.000	1.687	.875	2.000	1.000	7/8-14	1.000	5/16	.063	.593	2.667	.625	
FTR-2.25	FTR-2.25-R	2.250	1.687	.875	2.000	1.000	7/8-14	1.000	5/16	.063	.593	2.937	.625	
FTR-2.50	FTR-2.50-R	2.500	1.687	1.000	2.250	1.500	1-14	1.187	3/8	.063	.593	3.187	.875	
FTR-2.75	FTR-2.75-R	2.750	1.687	1.000	2.250	1.500	1-14	1.187	3/8	.063	.593	3.437	.875	
FTR-3.00	FTR-3.00-R	3.000	2.000	1.250	2.500	1.750	1 1/4-12	1.750	1/2	.063	.593	3.937	1/4-28 UNF	
FTR-3.25	FTR-3.25-R	3.250	2.000	1.250	2.500	1.750	1 1/4-12	1.750	1/2	.063	.593	4.187		
FTR-3.50	FTR-3.50-R	3.500	2.000	1.250	2.750	1.750	1 1/4-12	1.750	1/2	.063	.593	4.437		
FTR-4.00	FTR-4.00-R	4.000	2.000	1.250	2.750	1.750	1 1/4-12	1.750	1/2	.063	.593	4.937		
FTR-4.50	FTR-4.50-R	4.500	2.000	1.250	2.750	1.750	1 1/4-12	1.750	1/2	.063	.593	5.437		
FTR-4.75	FTR-4.75-R	4.750	2.000	1.250	2.750	1.750	1 1/4-12	1.750	1/2	.063	.593	5.750		
FTR-5.00	FTR-5.00-R	5.000	3.000	2.000	4.000	2.500	2-12	3.000	5/8	.063	.718	5.937		
FTR-6.00	FTR-6.00-R	6.000	3.000	2.500	5.500	3.250	2 1/2-12	3.500	5/8	.063	.718	6.937		
FTR-7.00	FTR-7.00-R	7.000	3.000	2.500	5.500	3.250	2 1/2-12	3.500	5/8	.063	.718	7.937		
FTR-8.00	FTR-8.00-R	8.000	3.000	2.500	5.500	3.250	2 1/2-12	3.500	5/8	.063	.718	8.937		
FTR-10.00	FTR-10.00-R	10.000	3.000	2.500	5.500	3.250	2 1/2-12	3.500	5/8	.063	.718	10.937		

MTO = Made To Order

PCI Standard Steel Part Number	PCI Regreaseable Part Number	Bearing Capacity						Stud Capacity				Retaining Ring Load	Weight (lbs.)	Sealed Bearing Type
		Radial Load			Thrust Load			Bending = .75Sy		Shear = .75 x .5Sy				
		3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	Load @ Center of Roller	Load @ End of Roller	Load @ Mounting Rail				
FTR-1.00	FTR-1.00-R	239	627	278	129	339	70	600	250	2,480	470	.22	Ball Bearings	
FTR-1.125	FTR-1.125-R	239	627	278	129	339	70	600	250	2,480	470	.26		
FTR-1.25	FTR-1.25-R	516	1,350	746	279	730	187	980	440	4,100	470	.33		
FTR-1.375	FTR-1.375-R	516	1,350	746	279	730	187	980	440	4,100	470	.39		
FTR-1.50	FTR-1.50-R	1,050	2,750	1,394	650	1,700	700	1,680	720	7,270	550	.63		
FTR-1.50-2	FTR-1.50-2-R	775	2,025	1,062	475	1,245	530	1,039	458	5,050	470	.50		
FTR-1.75	FTR-1.75-R	1,050	2,750	1,394	650	1,700	700	1,680	720	7,270	550	1.0		
FTR-2.00	FTR-2.00-R	1,460	3,820	2,140	910	2,380	1,070	4,670	1,645	14,600	900	1.8		
FTR-2.00-9*	FTR-2.00-9-R*	1,460	3,820	2,140	910	2,380	1,070	4,670	1,645	14,600	900	1.9		
FTR-2.25	FTR-2.25-R	1,460	3,820	2,140	910	2,380	1,070	4,670	1,645	14,600	900	2.1		
FTR-2.50	FTR-2.50-R	2,140	5,560	3,500	1,315	3,415	1,750	10,110	4,490	31,600	1,340	2.8		
FTR-2.75	FTR-2.75-R	2,140	5,560	3,500	1,315	3,415	1,750	10,110	4,490	31,600	1,340	3.2		
FTR-3.00	FTR-3.00-R	6,000	14,300	20,000	2,430	5,790	12,000	13,970	6,980	50,980	N/A	4.7		
FTR-3.25	FTR-3.25-R	6,000	14,300	20,000	2,430	5,790	12,000	13,970	6,980	50,980	N/A	5.3		
FTR-3.50	FTR-3.50-R	6,000	14,300	20,000	2,430	5,790	12,000	13,970	6,980	50,980	N/A	6.2		
FTR-4.00	FTR-4.00-R	6,000	14,300	20,000	2,430	5,790	12,000	13,970	6,980	50,980	N/A	7.9		
FTR-4.50	FTR-4.50-R	6,000	14,300	20,000	2,430	5,790	12,000	13,970	6,980	50,980	N/A	9.9		
FTR-4.75	FTR-4.75-R	6,000	14,300	20,000	2,430	5,790	12,000	13,970	6,980	50,980	N/A	11.5		
FTR-5.00	FTR-5.00-R	15,100	35,870	58,200	5,950	13,310	32,100	41,900	20,950	138,950	N/A	18.5		
FTR-6.00	FTR-6.00-R	15,100	35,830	56,200	5,950	14,150	32,900	92,600	46,300	235,750	N/A	29.5		
FTR-7.00	FTR-7.00-R	15,100	35,830	56,200	5,950	14,150	32,900	92,600	46,300	235,750	N/A	38.0		
FTR-8.00	FTR-8.00-R	15,100	35,830	56,200	5,950	14,150	32,900	92,600	46,300	235,750	N/A	51.0		
FTR-10.00	FTR-10.00-R	15,100	35,830	56,200	5,950	14,150	32,900	92,600	46,300	235,750	N/A	74.0		

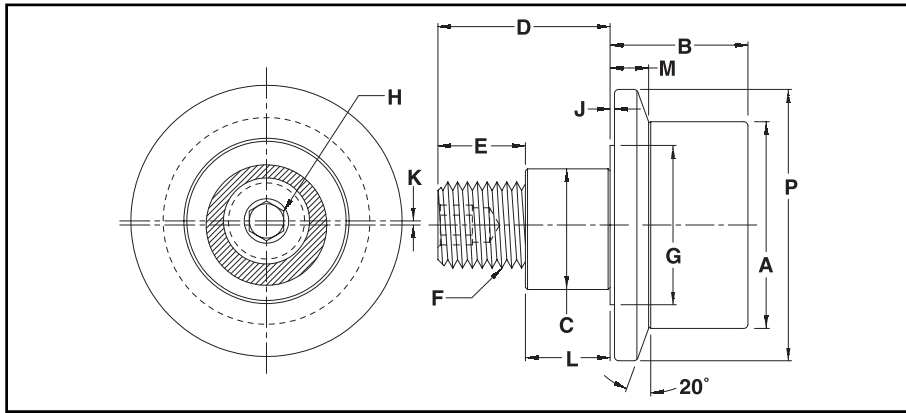
MTO = Made To Order

Lock washers and jam nuts available at an additional cost. *FTR-2.00-9 has a square flange instead of a 20° flange.



"FTRE" Series - Track Roller

Stud Type Flanged - Eccentric



Flanged Eccentric Track Rollers are used where precision alignment is necessary. The stud can be rotated before the roller is tightened into position, which overcomes locational tolerance and unequal loading of multiple rollers. It will also help with alignment in guiding applications.

See page 26 for regreaseable specifications. Ask a sales engineer about stainless steel options.

PCI Standard Steel Part Number	PCI Regreaseable Part Number	A Roller Dia. +.000/- .001	B Roller Width	C Ecc. Dia. +.000/- .001	D Stud Length	E Thread Length	F Fine Thread	G Shoulder Dia.	H Hex Size	L Ecc. Length	K Ecc. Offset	P Flange Dia.	M Flange Width	J Shoulder Length	Y Wrench Flat	Regreaseable	
																Z Fitting Size Included	
FTRE-1.00	FTRE-1.00-R	1.000	.781	.625	1.000	.520	7/16-20	.730	3/16	.480	.030	1.375	.219	.031	.312	1/8 Drive	
FTRE-1.125	FTRE-1.125-R	1.125	.781	.625	1.000	.520	7/16-20	.730	3/16	.480	.030	1.500	.219	.031	.312		
FTRE-1.25	FTRE-1.25-R	1.250	.844	.687	1.250	.645	1/2-20	.812	3/16	.605	.030	1.563	.219	.031	.375		
FTRE-1.375	FTRE-1.375-R	1.375	.844	.687	1.250	.645	1/2-20	.812	3/16	.605	.030	1.688	.219	.031	.375		
FTRE-1.50	FTRE-1.50-R	1.500	1.187	.875	1.500	.770	5/8-18	1.125	5/16	.730	.030	2.187	.343	.031	.500		
FTRE-1.75	FTRE-1.75-R	1.750	1.187	1.000	1.750	.895	3/4-16	1.250	5/16	.855	.030	2.437	.343	.063	.625		
FTRE-2.00	FTRE-2.00-R	2.000	1.687	1.187	2.000	1.020	7/8-14	1.500	5/16	.980	.030	2.687	.593	.063	.625	1/8-27 NPT	
FTRE-2.25	FTRE-2.25-R	2.250	1.687	1.187	2.000	1.020	7/8-14	1.500	5/16	.980	.030	2.937	.593	.063	.625		
FTRE-2.50	FTRE-2.50-R	2.500	1.687	1.375	2.250	1.145	1-14	1.688	3/8	1.105	.030	3.187	.593	.063	.875		
FTRE-2.75	FTRE-2.75-R	2.750	1.687	1.375	2.250	1.145	1-14	1.688	3/8	1.105	.030	3.437	.593	.063	.875		
FTRE-3.00	FTRE-3.00-R	3.000	2.000	1.750	2.500	1.270	1 1/4-12	2.313	1/2	1.230	.060	3.937	.593	.063			
FTRE-3.25	FTRE-3.25-R	3.250	2.000	1.750	2.500	1.270	1 1/4-12	2.313	1/2	1.230	.060	4.187	.593	.063			
FTRE-3.50	FTRE-3.50-R	3.500	2.000	1.812	2.750	1.395	1 1/4-12	2.313	1/2	1.355	.060	4.437	.593	.063		5/8 Hex	1/4-28 UNF
FTRE-4.00	FTRE-4.00-R	4.000	2.000	1.812	2.750	1.395	1 1/4-12	2.313	1/2	1.355	.060	4.937	.593	.063			
FTRE-4.50	FTRE-4.50-R	4.500	2.000	1.812	2.750	1.395	1 1/4-12	2.313	1/2	1.355	.060	5.437	.593	.063			
FTRE-4.75	FTRE-4.75-R	4.750	2.000	1.812	2.750	1.395	1 1/4-12	2.313	1/2	1.355	.060	5.750	.593	.063			
FTRE-5.00	FTRE-5.00-R	5.000	3.000	2.625	4.500	2.375	2-12	3.250	5/8	2.125	.060	5.937	.718	.063			
FTRE-6.00	FTRE-6.00-R	6.000	3.000	3.125	5.500	2.625	2 1/2-12	3.625	5/8	2.875	.060	6.937	.718	.063			

MTO = Made To Order

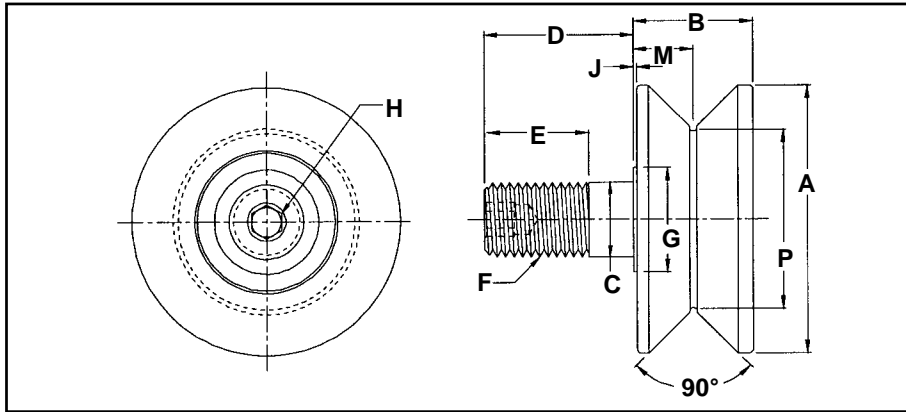
PCI Standard Steel Part Number	PCI Regreaseable Part Number	Bearing Capacity						Stud Capacity					Retaining Ring Load	Weight (lbs.)	Sealed Bearing Type
		Radial Load			Thrust Load			Bending = .75Sy		Shear = .75Sy x .5Sy					
		3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	Load @ Center of Roller	Load @ End of Roller	Load @ Mounting Rail	Load @ End of Roller				
FTRE-1.00	FTRE-1.00-R	239	627	278	129	339	70	600	250	2,480	470	.24	Ball Bearings		
FTRE-1.125	FTRE-1.125-R	239	627	278	129	339	70	600	250	2,480	470	.28			
FTRE-1.25	FTRE-1.25-R	516	1,350	746	279	730	187	980	440	4,100	470	.36			
FTRE-1.375	FTRE-1.375-R	516	1,350	746	279	730	187	980	440	4,100	470	.42			
FTRE-1.50	FTRE-1.50-R	1,050	2,750	1,394	650	1,700	700	1,680	720	7,270	550	.75			
FTRE-1.75	FTRE-1.75-R	1,050	2,750	1,394	650	1,700	700	1,680	720	7,270	550	1.1			
FTRE-2.00	FTRE-2.00-R	1,460	3,820	2,140	910	2,380	1,070	4,670	1,645	14,600	900	2.1			
FTRE-2.25	FTRE-2.25-R	1,460	3,820	2,140	910	2,380	1,070	4,670	1,645	14,600	900	2.5			
FTRE-2.50	FTRE-2.50-R	2,140	5,560	3,500	1,315	3,415	1,750	10,110	4,490	31,600	1,340	3.0			
FTRE-2.75	FTRE-2.75-R	2,140	5,560	3,500	1,315	3,415	1,750	10,110	4,490	31,600	1,340	3.5			
FTRE-3.00	FTRE-3.00-R	6,000	14,300	20,000	2,430	5,790	12,000	13,970	6,980	50,980	N/A	5.1			
FTRE-3.25	FTRE-3.25-R	6,000	14,300	20,000	2,430	5,790	12,000	13,970	6,980	50,980	N/A	5.8			
FTRE-3.50	FTRE-3.50-R	6,000	14,300	20,000	2,430	5,790	12,000	13,970	6,980	50,980	N/A	6.7			
FTRE-4.00	FTRE-4.00-R	6,000	14,300	20,000	2,430	5,790	12,000	13,970	6,980	50,980	N/A	8.5			
FTRE-4.50	FTRE-4.50-R	6,000	14,300	20,000	2,430	5,790	12,000	13,970	6,980	50,980	N/A	10.4			
FTRE-4.75	FTRE-4.75-R	6,000	14,300	20,000	2,430	5,790	12,000	13,970	6,980	50,980	N/A	12.4			
FTRE-5.00	FTRE-5.00-R	15,000	35,870	58,200	5,950	13,110	32,100	41,900	21,950	138,950	N/A	19.9			
FTRE-6.00	FTRE-6.00-R	15,000	35,830	56,200	5,950	14,150	32,900	92,600	46,300	235,750	N/A	31.8			

MTO = Made To Order.

Lock washers and jam nuts available at an additional cost.

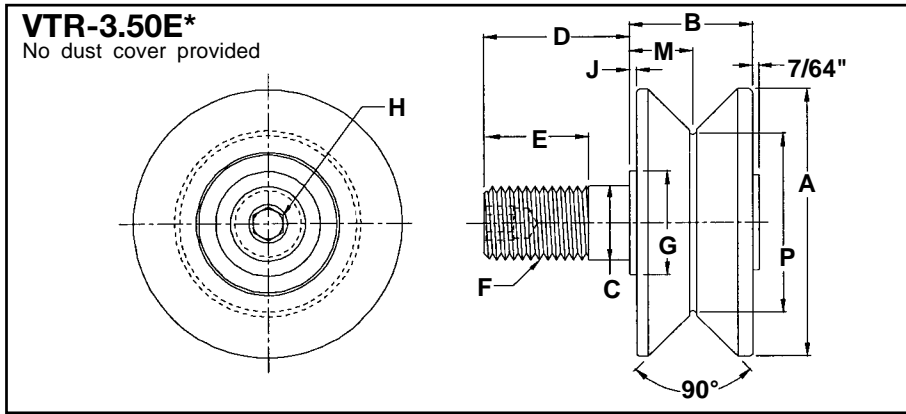
PCI "VTR" Series - Track Roller

Stud Type V-Grooved



V-Grooved Track Rollers are designed to operate on "V" bar tracks, common in environments where sand, powder or chips would be likely to build up on a flat track.

See page 26 for regreaseable specifications. Ask a sales engineer about stainless steel options.



PCI Standard Steel Part Number	PCI Regreaseable Part Number	A Roller Dia. +.000/-0.001	B Roller Width	C Stud Dia. +.000/-0.001	D Stud Length	E Thread Length	F Fine Thread	G Shoulder Dia.	H Hex Size	P Point Dia. +.000/-0.001	M Groove Center	J Shoulder Length	Regreaseable	
													Y Wrench Flat	Z Fitting Size Included
VTR-1.50	VTR-1.50-R	1.500	.781	.437	1.000	.500	7/16-20	.500	3/16	1.125	.391	.031	.312	1/8 Drive
VTR-2.00	VTR-2.00-R	2.000	.844	.500	1.250	.625	1/2-20	.625	3/16	1.375	.422	.031	.375	
VTR-2.50	VTR-2.50-R	2.500	1.313	.750	1.750	.875	3/4-16	.875	5/16	1.500	.688	.063	.625	
VTR-3.50	VTR-3.50-R	3.500	1.687	.875	2.000	1.125	7/8-14	1.000	5/16	2.250	.875	.063	.625	1/8 - 27 NPT
VTR-3.50E*	MTO	3.500	1.781	.750	2.000	1.125	3/4-16	1.250	5/16	2.250	.875	.125	N/A	
VTR-4.50	VTR-4.50-R	4.500	2.000	1.250	2.500	1.750	1 1/4-12	1.750	1/2	3.000	1.000	.063	5/8 Hex	1/4 - 28 UNF
VTR-5.50	VTR-5.50-R	5.500	2.000	1.250	2.750	1.750	1 1/4-12	1.750	1/2	4.000	1.000	.063		
VTR-6.50	VTR-6.50-R	6.500	3.000	2.000	4.500	2.500	2-12	3.000	5/8	5.000	1.500	.063		
VTR-7.50	VTR-7.50-R	7.500	3.000	2.500	5.500	3.250	2 1/2-12	3.500	5/8	6.000	1.500	.063		
VTR-8.50	VTR-8.50-R	8.500	3.000	2.500	5.500	3.250	2 1/2-12	3.500	5/8	7.000	1.500	.063		

MTO = Made To Order

PCI Standard Steel Part Number	PCI Regreaseable Part Number	Bearing Capacity						Stud Capacity		Retaining Ring Load	Weight (lbs.)	Sealed Bearing Type
		Radial Load			Thrust Load			Bending = .75Sy	Shear = .75 x .5Sy			
		3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	Load @ Center of Roller	Load @ Mounting Rail			
VTR-1.50	VTR-1.50-R	239	627	278	129	339	70	250	2,480	470	.34	Ball Bearings
VTR-2.00	VTR-2.00-R	516	1,350	746	279	730	187	440	4,100	470	.58	
VTR-2.50	VTR-2.50-R	1,050	2,750	1,394	650	1,700	700	1,680	7,270	550	1.3	
VTR-3.50	VTR-3.50-R	1,980	5,180	2,950	1,215	3,185	1,400	4,470	18,350	1,340	3.4	Tapered Roller Bearings
VTR-3.50E*	MTO	5,024	11,957	7,200	1,486	3,540	3,150	5,080	18,360	N/A	3.4	
VTR-4.50	VTR-4.50-R	6,000	14,300	20,000	2,430	5,790	12,000	13,970	50,980	N/A	7.0	
VTR-5.50	VTR-5.50-R	6,000	14,300	20,000	2,430	5,790	12,000	13,970	50,980	N/A	10.5	
VTR-6.50	VTR-6.50-R	15,100	35,870	58,400	5,590	13,310	32,100	41,900	138,950	N/A	25.5	
VTR-7.50	VTR-7.50-R	15,100	35,830	56,200	5,950	14,150	32,900	92,600	235,750	N/A	37.0	
VTR-8.50	VTR-8.50-R	15,100	35,830	56,200	5,950	14,150	32,900	92,600	235,750	N/A	46.0	

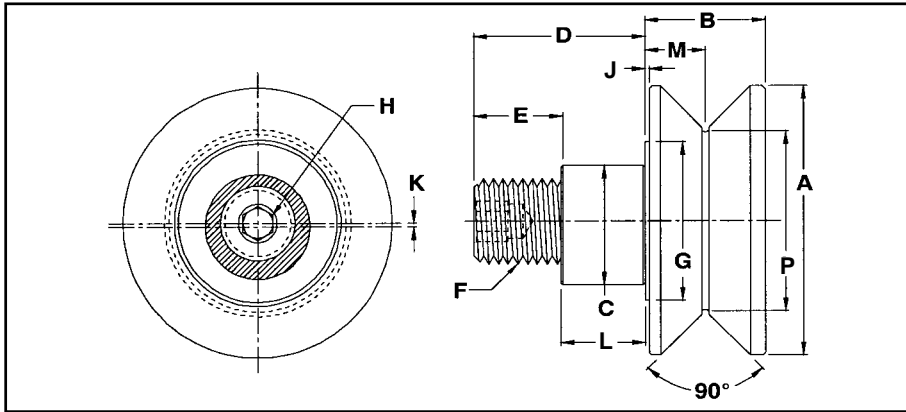
MTO = Made To Order.

Lock washers and jam nuts available at an additional cost.



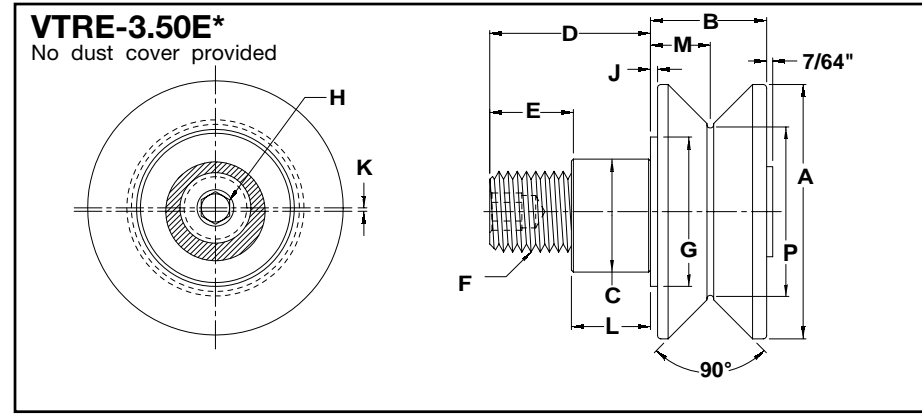
"VTRE" Series - Track Roller

Stud Type V-Grooved - Eccentric



V-Grooved Eccentric Track Rollers are used where precision alignment is necessary. The stud can be rotated before the roller is tightened into position, which overcomes locational tolerance and unequal loading of multiple rollers. It will also help with alignment in guiding applications.

See page 26 for regreaseable specifications. Ask a sales engineer about stainless steel options.



PCI Standard Part Number	PCI Regreaseable Part Number	A Roller Dia. +.000/-0.001	B Roller Width	C Ecc. Dia. +.000/-0.001	D Stud Length	E Thread Length	F Fine Thread	G Shoulder Dia.	H Hex Size	L Ecc. Length	K Ecc. Offset	P Point Dia. +.000/-0.001	M Groove Center	J Shoulder Length	Regreaseable	
															Y Wrench Flat	Z Fitting Size Included
VTRE-1.50	VTRE-1.50-R	1.500	.781	.625	1.000	.520	7/16-20	.730	3/16	.480	.030	1.125	.391	.031	.312	1/8 Drive
VTRE-2.00	VTRE-2.00-R	2.000	.844	.687	1.250	.645	1/2-20	.812	3/16	.605	.030	1.375	.422	.031	.375	
VTRE-2.50	VTRE-2.50-R	2.500	1.313	1.000	1.750	.895	3/4-16	1.250	5/16	.855	.030	1.500	.688	.063	.625	1/8-27 NPT
VTRE-3.50	VTRE-3.50-R	3.500	1.687	1.187	2.000	1.020	7/8-14	1.500	5/16	.980	.030	2.250	.875	.063	.625	
VTRE-3.50E*	MTO	3.500	1.781	1.187	2.000	1.020	3/4-16	1.500	5/16	.980	.030	2.250	.875	.125	N/A	N/A
VTRE-4.50	VTRE-4.50-R	4.500	2.000	1.750	2.500	1.270	1 1/4-12	2.313	1/2	1.230	.060	3.000	1.000	.063		
VTRE-5.50	VTRE-5.50-R	5.500	2.000	1.812	2.750	1.395	1 1/4-12	2.313	1/2	1.355	.060	4.000	1.000	.063		
VTRE-6.50	VTRE-6.50-R	6.500	3.000	2.625	4.500	2.375	2-12	3.25	5/8	2.125	.060	5.000	1.500	.063	5/8 Hex	1/4-28 UNF
VTRE-7.50	VTRE-7.50-R	7.500	3.000	3.125	5.500	2.625	2 1/2-12	3.625	5/8	2.875	.060	6.000	1.500	.063		

MTO = Made To Order

PCI Part Number	PCI Regreaseable Part Number	Bearing Capacity						Stud Capacity		Retaining Ring Load	Weight (lbs.)	Sealed Bearing Type
		Radial Load			Thrust Load			Bending = .75Sy	Shear = .75 x .5Sy			
		3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	Load @ Center of Roller	Load @ Mounting Rail			
VTRE-1.50	VTRE-1.50-R	230	627	278	129	339	70	250	2,480	470	.36	Ball Bearings
VTRE-2.00	VTRE-2.00-R	516	1,350	746	279	730	187	440	4,100	470	.61	
VTRE-2.50	VTRE-2.50-R	1,050	2,750	1,394	650	1,700	700	1,680	7,270	550	1.4	
VTRE-3.50	VTRE-3.50-R	1,980	5,180	2,950	1,215	3,185	1,400	4,470	18,350	1,340	3.4	
VTRE-3.50E*	MTO	5,024	11,957	7,200	1,486	3,540	3,150	5,080	18,360	N/A	3.6	Tapered Roller Bearings
VTRE-4.50	VTRE-4.50-R	6,000	14,300	20,000	2,430	5,790	12,000	13,970	50,980	N/A	7.3	
VTRE-5.50	VTRE-5.50-R	6,000	14,300	20,000	2,430	5,790	12,000	13,970	50,980	N/A	10.8	
VTRE-6.50	VTRE-6.50-R	15,100	35,870	58,400	5,590	13,310	33,100	41,900	138,950	N/A	26.9	
VTRE-7.50	VTRE-7.50-R	15,100	35,830	56,200	5,950	14,150	32,900	92,600	235,750	N/A	39.3	

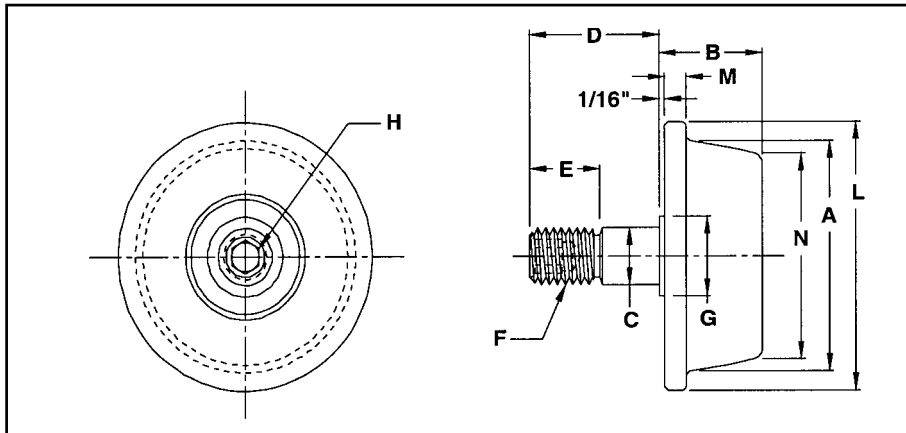
MTO = Made To Order

Lock washers and jam nuts available at an additional cost.



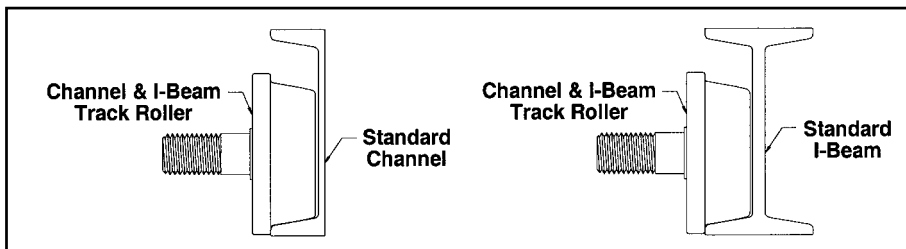
"CIR" Series - Track Roller

Stud Type Channel & I-Beam



Channel and I-Beam Track Rollers are designed to fit into standard channel and I-beam structural steel. They can be used as guides as well as load carrying rollers.

Ask a sales engineer about special regreaseable or stainless steel options.



PCI Roller Part Number	Fits Channel & I-Beam Size
CIR-3.00	4" & UP
CIR-3.00E	4" & UP
CIR-4.00	5" & UP
CIR-4.00E	5" & UP
CIR-5.00	6" & UP
CIR-5.00E	6" & UP
CIR-6.00	7" & UP

PCI Standard Part Number	A Point Dia.	B Roller Width	C Stud Dia. +.000/-.001	D Stud Length	E Thread Length	F Fine Thread	G Shoulder Dia.	H Hex Size	L Flange Dia.	M Flange Width	N Point Dia.
CIR-3.00	2.562	1.187	.625	1.500	.750	5/8-18	.750	5/16	2.940	.250	2.229
CIR-3.00E	2.562	1.687	.875	2.000	1.125	7/8-14	1.000	5/16	2.940	.562	2.166
CIR-4.00	3.562	1.687	.875	2.000	1.125	7/8-14	1.000	5/16	3.940	.468	3.135
CIR-4.00E	3.562	1.687	1.000	2.250	1.500	1-14	1.187	3/8	3.940	.468	3.135
CIR-5.00	4.562	1.687	1.000	2.250	1.500	1-14	1.187	3/8	4.940	.437	4.125
CIR-5.00E	4.562	2.000	1.250	2.500	1.750	1 1/4-12	1.750	1/2	4.940	.625	4.051
CIR-6.00	5.562	2.000	1.250	2.500	1.750	1 1/4-12	1.750	1/2	5.940	.500	4.991

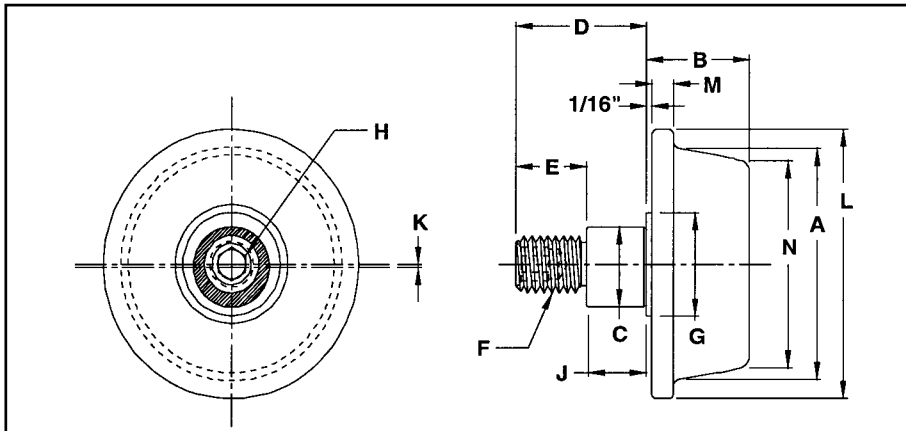
PCI Standard Part Number	Bearing Capacity						Stud Capacity						
	Radial Load			Thrust Load			Bending = .75Sy		Shear = .75 x .5Sy		Retaining Ring Load	Weight (lbs.)	Sealed Bearing Type
	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	Load @ Center of Roller	Load @ End of Roller	Load @ Mounting Rail				
CIR-3.00	1,050	2,750	1,394	650	1,700	700	1,680	720	7,270	550	3.0	Ball Bearings	
CIR-3.00E	1,460	3,820	2,140	910	2,380	1,070	4,670	1,645	14,600	900	3.0		
CIR-4.00	1,460	3,820	2,140	910	2,380	1,070	4,670	1,645	14,600	900	5.6		
CIR-4.00E	2,140	5,560	3,500	1,315	3,415	1,750	10,110	4,490	31,600	1,340	5.7		
CIR-5.00	2,140	5,560	3,500	1,315	3,415	1,750	10,110	4,490	31,600	1,340	9.0		
CIR-5.00E	6,000	14,300	20,000	2,430	5,790	12,000	13,970	6,980	50,980	N/A	9.9	Tapered Roller Brgs.	
CIR-6.00	6,000	14,300	20,000	2,430	5,790	12,000	13,970	6,980	50,980	N/A	14.3		

Lock washers and jam nuts available at an additional cost.



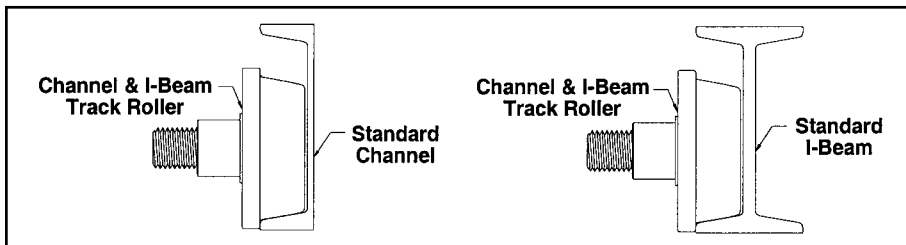
"CIRE" Series - Track Roller Stud Type

Channel & I-Beam - Eccentric



Channel & I-Beam Eccentric Track Rollers are used where precision alignment is necessary. The stud can be rotated before the roller is tightened into position, overcomes locational tolerance and unequal loading of multiple rollers. It will also help with alignment in guiding applications.

Ask a sales engineer about special regreaseable or stainless steel options.



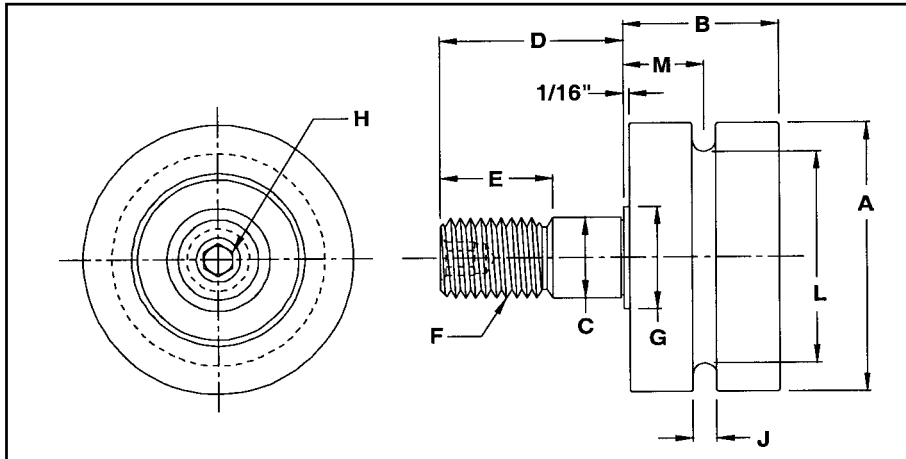
PCI Roller Part Number	Fits Channel & I-Beam Size
CIRE-3.00	4" & UP
CIRE-3.00E	4" & UP
CIRE-4.00	5" & UP
CIRE-4.00E	5" & UP
CIRE-5.00	6" & UP
CIRE-5.00E	6" & UP
CIRE-6.00	7" & UP

PCI Standard Part Number	A Point Dia.	B Roller Width	C Ecc. Dia. +.000/- .001	D Stud Length	E Thread Length	F Fine Thread	G Shoulder Dia.	H Hex Size	L Flange Dia.	J Ecc. Length	K Ecc. Offset	M Flange Width	N Point Dia.
CIRE-3.00	2.562	1.187	.875	1.500	.770	5/8-18	1.125	5/16	2.940	.730	.030	.250	2.229
CIRE-3.00E	2.562	1.687	1.187	2.000	1.020	7/8-14	1.500	5/16	2.940	.980	.030	.562	2.166
CIRE-4.00	3.562	1.687	1.187	2.000	1.020	7/8-14	1.500	5/16	3.940	.980	.030	.468	3.135
CIRE-4.00E	3.562	1.687	1.375	2.250	1.145	1-14	1.688	3/8	3.940	1.105	.030	.468	3.135
CIRE-5.00	4.562	1.687	1.375	2.250	1.145	1-14	1.688	3/8	4.940	1.105	.030	.437	4.125
CIRE-5.00E	4.562	2.000	1.750	2.500	1.270	1 1/4-12	2.313	1/2	4.940	1.230	.060	.625	4.051
CIRE-6.00	5.562	2.000	1.750	2.500	1.270	1 1/4-12	2.313	1/2	5.940	1.230	.060	.500	4.991

PCI Standard Part Number	Bearing Capacity						Stud Capacity			Retaining Ring Load	Weight (lbs.)	Sealed Bearing Type
	Radial Load			Thrust Load			Bending = .75Sy		Shear = .75 x .5Sy			
	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	Load @ Center of Roller	Load @ End of Roller	Load @ Mounting Rail			
CIRE-3.00	1,050	2,750	1,394	650	1,700	700	1,680	720	7,270	550	3.1	Ball Bearings
CIRE-3.00E	1,460	3,820	2,140	910	2,380	1,070	4,670	1,645	14,600	900	3.1	
CIRE-4.00	1,460	3,820	2,140	910	2,380	1,070	4,670	1,645	14,600	900	5.7	
CIRE-4.00E	2,140	5,560	3,500	1,315	3,415	1,750	10,110	4,490	31,600	1,340	5.8	
CIRE-5.00	2,140	5,560	3,500	1,315	3,415	1,750	10,110	4,490	31,600	1,340	9.1	
CIRE-5.00E	6,000	14,300	20,000	2,430	5,790	12,000	13,970	6,980	50,980	N/A	10.0	Tapered Roller Brgs
CIRE-6.00	6,000	14,300	20,000	2,430	5,790	12,000	13,970	6,980	50,980	N/A	14.5	

Lock washers and jam nuts available at an additional cost.

PCI "UTR" Series - Track Roller Stud Type U-Grooved



U-Grooved Track Rollers are designed to operate as wire straightening and cable guides.

Ask a sales engineer about special regreaseable or stainless steel options.

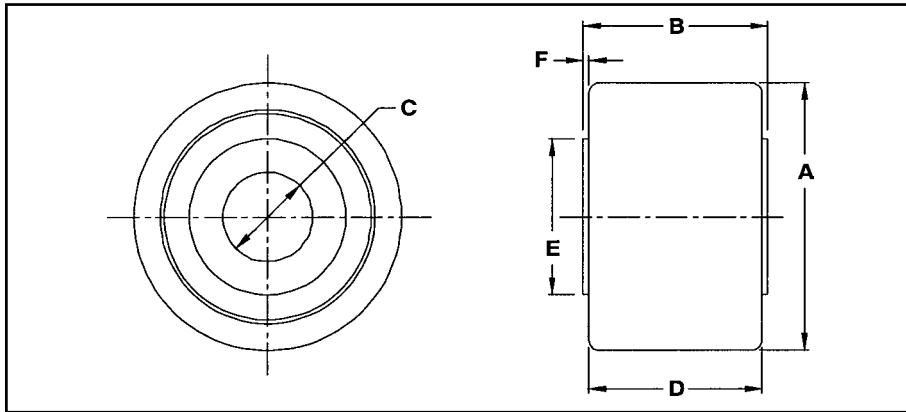
PCI Part Number	A Roller Dia.	B Roller Width	C Stud Dia. +.000/-001	D Stud Length	E Thread Length	F Fine Thread	G Shoulder Dia.	H Hex Size	J Groove Width	L Groove Dia.	M Groove Location
UTR-2.9375-A	2.9375	1.6875	.875	2.000	1.000	7/8-14	1.000	5/16	.263	2.313	.875
UTR-2.9375-B	2.9375	1.6875	.875	2.000	1.000	7/8-14	1.000	5/16	.242	2.313	.875
UTR-2.9375-C	2.9375	1.6875	.875	2.000	1.000	7/8-14	1.000	5/16	.224	2.375	.875
UTR-2.9375-D	2.9375	1.6875	.875	2.000	1.000	7/8-14	1.000	5/16	.207	2.375	.875
UTR-2.9375-E	2.9375	1.6875	.875	2.000	1.000	7/8-14	1.000	5/16	.184	2.438	.875
UTR-2.9375-F	2.9375	1.6875	.875	2.000	1.000	7/8-14	1.000	5/16	.169	2.500	.875
UTR-2.9375-G	2.9375	1.6875	.875	2.000	1.000	7/8-14	1.000	5/16	.152	2.500	.875
UTR-2.9375-H	2.9375	1.6875	.875	2.000	1.000	7/8-14	1.000	5/16	.138	2.563	.875
UTR-2.9375-I	2.9375	1.6875	.875	2.000	1.000	7/8-14	1.000	5/16	.124	2.625	.875
UTR-2.9375-J	2.9375	1.6875	.875	2.000	1.000	7/8-14	1.000	5/16	.113	2.625	.875

PCI Part Number	Bearing Capacity						Stud Capacity		Retaining Ring Load	Weight (lbs.)	Sealed Bearing Type
	Radial Load			Thrust Load			Bending = .75Sy	Shear = .75 x .5Sy			
	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	Load @ Center of Roller	Load @ Mounting Rail			
UTR-2.9375-A	1,980	5,180	2,950	1,215	3,185	1,400	4,470	18,350	1,340	3.0	Ball Bearings
UTR-2.9375-B	1,980	5,180	2,950	1,215	3,185	1,400	4,470	18,350	1,340	3.0	
UTR-2.9375-C	1,980	5,180	2,950	1,215	3,185	1,400	4,470	18,350	1,340	3.0	
UTR-2.9375-D	1,980	5,180	2,950	1,215	3,185	1,400	4,470	18,350	1,340	3.0	
UTR-2.9375-E	1,980	5,180	2,950	1,215	3,185	1,400	4,470	18,350	1,340	3.0	
UTR-2.9375-F	1,980	5,180	2,950	1,215	3,185	1,400	4,470	18,350	1,340	3.0	
UTR-2.9375-G	1,980	5,180	2,950	1,215	3,185	1,400	4,470	18,350	1,340	3.0	
UTR-2.9375-H	1,980	5,180	2,950	1,215	3,185	1,400	4,470	18,350	1,340	3.0	
UTR-2.9375-I	1,980	5,180	2,950	1,215	3,185	1,400	4,470	18,350	1,340	3.0	
UTR-2.9375-J	1,980	5,180	2,950	1,215	3,185	1,400	4,470	18,350	1,340	3.0	

Lock washers and jam nuts available at an additional cost.

PCI "PTRY" Series - Track Roller

Yoke Type Plain



Plain Yoke Track Rollers effectively carry radial loads. For heavy side loads, they can also be positioned to act as side guides.

Ask a sales engineer about special regreaseable or stainless steel options.

Eccentric Yoke Track Rollers available upon request.

PCI Part Number	A Roller Dia. +.000/-0.001	B Inner Race Width +.005/-0.010	C Bore Dia. +.0007/-0.0000	D Roller Width	E Shoulder Dia.	F Shoulder Length	Optional Yoke Shaft
PTRY-2.00	2.000	1.313	.6255	1.250	1.125	.0313	YSH-.625
PTRY-2.25	2.250	1.313	.6255	1.250	1.125	.0313	YSH-.625
PTRY-2.50	2.500	1.562	.7505	1.500	1.375	.0313	YSH-.750
PTRY-2.75	2.750	1.562	.7505	1.500	1.375	.0313	YSH-.750
PTRY-3.00	3.000	1.813	1.0005	1.750	1.750	.0313	YSH-1.000
PTRY-3.25	3.250	1.813	1.0005	1.750	1.750	.0313	YSH-1.000
PTRY-3.50	3.500	2.062	1.1255	2.000	2.000	.0313	YSH-1.125
PTRY-4.00	4.000	2.313	1.2505	2.250	2.250	.0313	YSH-1.250
PTRY-5.00	5.000	2.875	1.7508	2.750	3.500	.0625	YSH-1.750
PTRY-6.00	6.000	3.375	2.2508	3.250	3.500	.0625	YSH-2.250
PTRY-7.00	7.000	3.875	2.7508	3.750	4.250	.1250	YSH-2.750
PTRY-8.00	8.000	4.500	3.2560	4.250	4.750	.1250	YSH-3.250
PTRY-9.00	9.000	5.000	3.7560	4.750	5.500	.1250	YSH-3.750
PTRY-10.00	10.000	5.500	4.2560	5.250	6.500	.1250	YSH-4.250

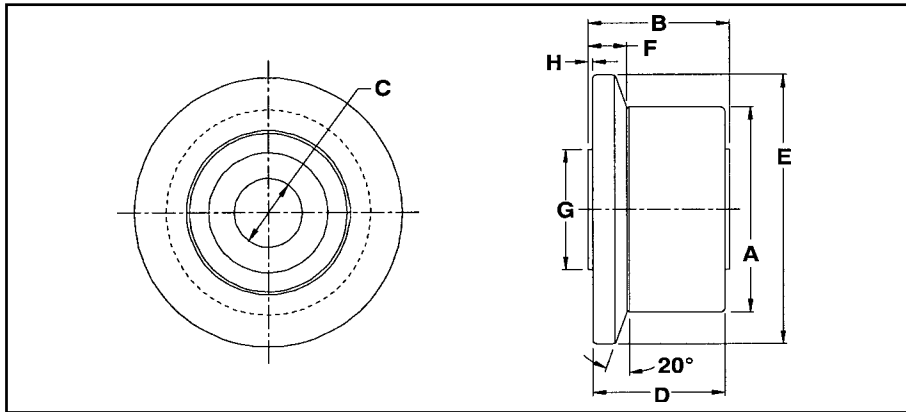
Larger yoke rollers can be manufactured upon request.

PCI Part Number	Bearing Capacity						Weight (lbs.)	Sealed Bearing Type
	Radial Load			Thrust Load				
	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static		
PTRY-2.00	1,300	3,400	2,240	700	1,840	560	.76	Ball Bearings
PTRY-2.25	1,300	3,400	2,240	700	1,840	560	1.06	
PTRY-2.50	2,140	5,560	3,500	1,315	3,415	1,750	1.10	
PTRY-2.75	2,140	5,560	3,500	1,315	3,415	1,750	1.30	
PTRY-3.00	6,000	14,300	20,000	2,430	5,790	12,000	2.63	Tapered Roller Non-metallic Seal
PTRY-3.25	6,000	14,300	20,000	2,430	5,790	12,000	3.44	
PTRY-3.50	7,390	17,600	27,200	2,420	5,750	13,100	4.19	
PTRY-4.00	7,390	17,600	27,200	2,420	5,750	13,100	6.56	
PTRY-5.00	15,100	35,870	58,400	5,590	13,310	32,100	11.25	
PTRY-6.00	15,100	35,830	56,200	5,950	14,200	32,900	19.38	
PTRY-7.00	17,800	42,400	79,800	7,290	17,400	48,400	29.31	Tapered Roller Metallic Shield*
PTRY-8.00	35,200	83,700	159,800	16,400	39,000	110,000	43.88	
PTRY-9.00	56,560	134,600	250,000	22,500	53,600	147,000	51.50	
PTRY-10.00	57,700	137,300	276,000	27,000	62,000	194,000	80.00	

* Available with rubber or hi-temp seals. Consult your PCI sales engineer.

PCI "FTRY" Series - Track Roller

Yoke Type Flanged



Flanged Yoke Track Rollers are used where light side thrust loads exist. When used in this manner, the flange acts as a guide. Flanged Yoke Track Rollers are also used in combination with Plain Yoke Track Rollers.

Ask a sales engineer about special regreaseable or stainless steel options.

Eccentric Yoke Track Rollers available upon request.

PCI Part Number	A Roller Dia.	B Inner Race Width +.005/-0.010	C Bore Dia. +.0007/-0.0000	D Roller Width	E Flange Dia.	F Flange Width	G Shoulder Dia.	H Shoulder Length	Optional Yoke Shaft
FTRY-2.00	2.000	1.313	.6255	1.250	2.687	.437	1.125	.0313	YSH-.625
FTRY-2.25	2.250	1.313	.6255	1.250	2.937	.437	1.125	.0313	YSH-.625
FTRY-2.50	2.500	1.562	.7505	1.500	3.187	.437	1.375	.0313	YSH-.750
FTRY-2.75	2.750	1.562	.7505	1.500	3.437	.437	1.375	.0313	YSH-.750
FTRY-3.00	3.000	1.813	1.0005	1.750	3.937	.593	1.750	.0313	YSH-1.000
FTRY-3.25	3.250	1.813	1.0005	1.750	4.187	.593	1.750	.0313	YSH-1.000
FTRY-3.50	3.500	2.062	1.1255	2.000	4.437	.593	2.000	.0313	YSH-1.125
FTRY-4.00	4.000	2.313	1.2505	2.250	4.937	.593	2.250	.0313	YSH-1.250
FTRY-5.00	5.000	2.875	1.7508	2.750	5.937	.718	3.500	.0625	YSH-1.750
FTRY-6.00	6.000	3.375	2.2508	3.250	6.937	.718	3.500	.0625	YSH-2.250
FTRY-7.00	7.000	3.875	2.7508	3.750	7.937	.718	4.250	.0625	YSH-2.750
FTRY-8.00	8.000	4.500	3.2560	4.250	8.937	.718	4.750	.1250	YSH-3.250
FTRY-9.00	9.000	5.000	3.7560	4.750	9.937	.718	5.500	.1250	YSH-3.750
FTRY-10.00	10.000	5.500	4.2560	5.250	10.937	.718	6.500	.1250	YSH-4.250

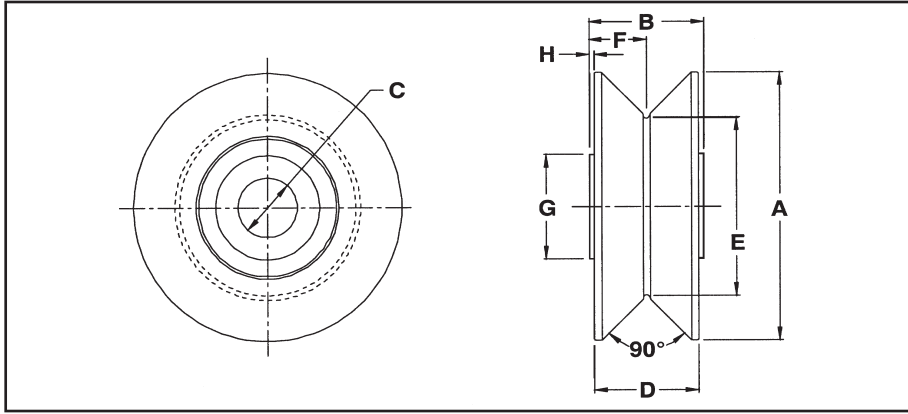
Larger yoke rollers can be manufactured upon request.

PCI Part Number	Bearing Capacity						Weight (lbs.)	Sealed Bearing Type
	Radial Load			Thrust Load				
	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static		
FTRY-2.00	1,300	3,400	2,240	700	1,840	560	1.00	Ball Bearings
FTRY-2.25	1,300	3,400	2,240	700	1,840	560	1.30	
FTRY-2.50	2,140	5,560	3,500	1,315	3,415	1,750	1.30	
FTRY-2.75	2,140	5,560	3,500	1,315	3,415	1,750	1.50	
FTRY-3.00	6,000	14,300	20,000	2,430	5,790	12,000	3.50	Tapered Roller Non-metallic Seal
FTRY-3.25	6,000	14,300	20,000	2,430	5,790	12,000	4.38	
FTRY-3.50	7,390	17,600	27,200	2,420	5,750	13,100	5.19	
FTRY-4.00	7,390	17,600	27,200	2,420	5,750	13,100	7.69	
FTRY-5.00	15,100	35,870	58,400	5,590	13,310	32,100	12.88	Tapered Roller Metallic Shield*
FTRY-6.00	15,100	35,830	56,200	5,950	14,200	32,900	21.44	
FTRY-7.00	17,800	42,400	79,800	7,290	17,400	48,400	31.69	
FTRY-8.00	35,200	83,700	159,800	16,400	39,000	110,000	46.56	
FTRY-9.00	56,560	134,600	250,000	22,500	53,600	147,000	54.50	
FTRY-10.00	57,700	137,300	276,000	27,000	62,000	194,000	83.50	

* Available with rubber or hi-temp seals. Consult your PCI sales engineer.

PCI "VTRY" Series - Track Roller

Yoke Type V-Grooved



V-Grooved Yoke Track Rollers are designed to operate on "V" bar tracks, common in environments where sand, powder or chips would be likely to build up on a flat track.

Ask a sales engineer about special regreaseable or stainless steel options.

Eccentric Yoke Track Rollers available upon request.

PCI Part Number	A Roller Dia.	B Inner Race Width +.005/-0.010	C Bore Dia. +.0007/-0.0000	D Roller Width	E Point Dia.	F Groove Center	G Shoulder Dia.	H Shoulder Length	Optional Yoke Shaft
VTRY-2.50	2.500	1.313	.6255	1.250	2.000	.656	1.125	.0313	YSH-.625
VTRY-3.50	3.500	1.687	.7505	1.625	2.250	.843	1.375	.0313	YSH-.750
VTRY-3.75	3.750	1.562	.7500	1.500	2.500	.871	1.250	.0313	YSH-.750
VTRY-4.50	4.500	1.813	1.0005	1.750	3.000	.906	1.750	.0313	YSH-1.000
VTRY-5.00	5.000	2.063	1.1255	2.000	3.500	1.030	2.000	.0313	YSH-1.125
VTRY-5.50	5.500	2.313	1.2505	2.250	4.000	1.156	2.250	.0313	YSH-1.250
VTRY-6.50	6.500	2.875	1.7508	2.750	5.000	1.437	3.500	.0625	YSH-1.750
VTRY-7.50	7.500	3.375	2.2508	3.250	6.000	1.687	3.500	.0625	YSH-2.250
VTRY-8.50	8.500	3.875	2.7508	3.750	7.000	1.937	4.250	.0625	YSH-2.750
VTRY-9.50	9.500	4.500	3.2560	4.250	8.000	2.250	4.750	.1250	YSH-3.250
VTRY-10.50	10.500	5.000	3.7560	4.750	9.000	2.500	5.500	.1250	YSH-3.750
VTRY-11.50	11.500	5.500	4.2560	5.250	10.000	2.750	6.500	.1250	YSH-4.250

Larger yoke rollers can be manufactured upon request.

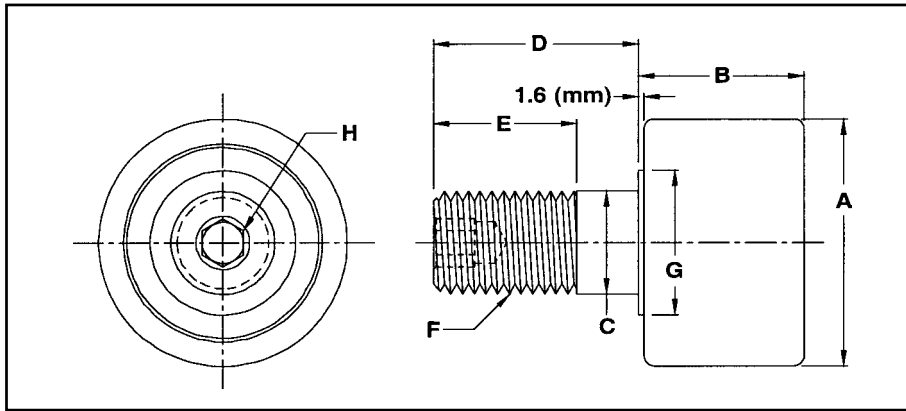
PCI Part Number	Bearing Capacity						Weight (lbs.)	Sealed Bearing Type
	Radial Load			Thrust Load				
	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static		
VTRY-2.50	1,300	3,400	2,240	700	1,840	560	1.26	Ball Brgs.
VTRY-3.50	1,560	4,080	2,380	390	1,020	590	3.00	
VTRY-3.75	4,570	10,880	7,630	1,690	4,010	4,570	3.10	
VTRY-4.50	6,000	14,300	20,000	2,430	5,790	12,000	5.00	Tapered Roller Non-metallic Seal
VTRY-5.00	7,390	17,600	27,200	2,420	5,750	13,100	7.63	
VTRY-5.50	7,390	17,600	27,200	2,420	5,750	13,100	11.19	
VTRY-6.50	15,100	35,870	58,400	5,590	13,100	32,100	18.81	
VTRY-7.50	15,100	35,830	56,200	5,950	14,200	32,900	30.50	Tapered Roller Metallic Shield*
VTRY-8.50	17,800	42,400	79,800	7,290	17,400	48,400	44.69	
VTRY-9.50	35,200	**	68,000	16,400	**	34,000	64.19	
VTRY-10.50	56,560	**	75,600	22,500	**	37,700	77.50	
VTRY-11.50	57,700	**	83,000	27,000	**	41,200	112.00	

* Available with rubber or hi-temp seals. Consult your PCI sales engineer.

** Exceeds static load capacity.

PCI "MPTR" Series - Track Roller

Metric Stud Type Plain



Plain Track Rollers effectively carry radial loads. For heavy side loads, they can also be positioned to act as side guides.

Ask a sales engineer about special regreaseable or stainless steel options.

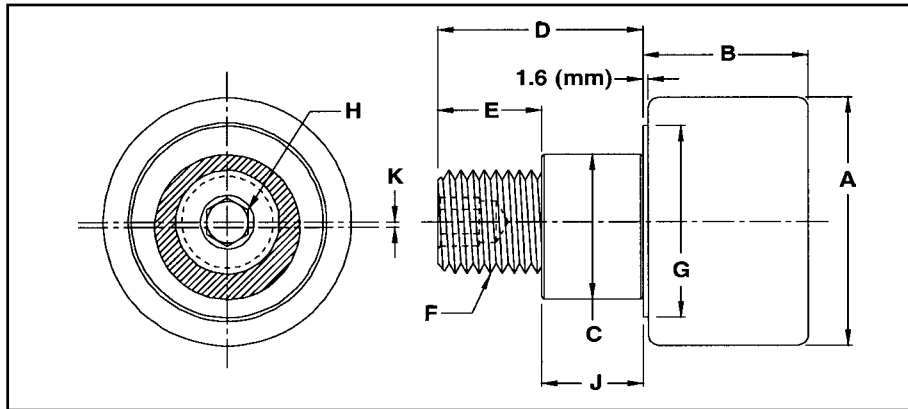
PCI Part Number	A Roller Dia. +.00/- .02 (mm)	B Roller Width (mm)	C Stud Dia. +.00/- .02 (mm)	D Stud Length (mm)	E Thread Length (mm)	F Thread Size (mm)	G Shoulder Dia. (mm)	H Hex Size (mm)
MPTR-40	40	30	14	40	26	M 14 x 2	18	6
MPTR-40-1	40	27.6	18	36.5	19	M 18 x 1.5	22	8
MPTR-47	47	27.6	20	40.5	21	M 20 x 1.5	25.5	8
MPTR-50	50	40	16	50	35	M 16 x 2	23	8
MPTR-52	52	33.6	20	40.5	21	M 20 x 1.5	25.5	8
MPTR-62	62	44	24	58	35	M 24 x 3	32	8
MPTR-62-1	62	44	24	49.5	25	M 24 x 1.5	32	8
MPTR-72	72	44	24	49.5	25	M 24 x 1.5	32	8
MPTR-76	76	52	30	69.5	40	M 30 x 3.5	44.5	12
MPTR-80	80	52	30	69.5	40	M 30 x 3.5	44.5	12
MPTR-85	85	52	30	69.5	40	M 30 x 3.5	44.5	12
MPTR-90	90	52	30	69.5	40	M 30 x 3.5	44.5	12
MPTR-100	100	52	30	80	50	M 30 x 3.5	44.5	12
MPTR-100-1	100	52	30	69.5	40	M 30 x 3.5	44.5	12
MPTR-125	125	76	48	105	60	M 48 x 5	88.9	12
MPTR-150	150	76	64	140	82	M 64 x 6	88.9	12
MPTR-200	200	76	64	140	82	M 64 x 6	88.9	12

PCI Part Number	Bearing Capacity (N) Newtons						Stud Capacity (N)			Retaining Ring Load (N)	Weight (Kg.)	Sealed Bearing Type
	Radial Load			Thrust Load			Bending = .75Sy		Shear = .75 x .5Sy			
	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	Load @ Center of Roller	Load @ End of Roller	Load @ Mounting Rail			
MPTR-40	4,670	12,200	6,200	2,890	7,560	3,100	7,400	3,200	32,300	2,440	.27	Ball Bearings
MPTR-40-1	4,670	12,200	6,200	2,890	7,560	3,100	7,400	3,200	32,300	2,440	.24	
MPTR-47	4,670	12,200	6,200	2,890	7,560	3,100	7,400	3,200	32,300	2,440	.42	
MPTR-50	6,450	17,000	9,500	4,030	10,600	4,700	20,700	7,300	64,900	4,000	.54	
MPTR-52	6,450	17,000	9,500	4,030	10,600	4,700	20,700	7,300	64,900	4,000	.54	
MPTR-62	8,800	23,100	13,100	5,400	14,200	6,200	21,200	7,960	81,600	5,960	1.04	
MPTR-62-1	8,800	23,100	13,100	5,400	14,200	6,200	21,200	7,960	81,600	5,960	1.04	
MPTR-72	20,300	48,300	33,950	7,500	17,800	20,330	20,820	15,250	101,860	N/A	1.40	Tapered Roller Non-metallic Seal
MPTR-76	26,700	63,600	89,000	10,800	25,700	53,400	52,780	26,390	202,500	N/A	1.91	
MPTR-80	26,700	63,600	89,000	10,800	25,700	53,400	52,780	26,390	202,500	N/A	2.07	
MPTR-85	26,700	63,600	89,000	10,800	25,700	53,400	52,780	26,390	202,500	N/A	2.37	
MPTR-90	26,700	63,600	89,000	10,800	25,700	53,400	52,780	26,390	202,500	N/A	2.65	
MPTR-100	26,700	63,600	89,000	10,800	25,700	53,400	52,780	26,390	202,500	N/A	3.33	
MPTR-100-1	26,700	63,600	89,000	10,800	25,700	53,400	52,780	26,390	202,500	N/A	3.15	
MPTR-125	67,160	159,000	259,700	24,600	58,500	142,700	143,500	71,750	518,250	N/A	8.48	
MPTR-150	67,160	159,000	251,000	26,500	63,000	146,300	411,900	205,900	1,048,600	N/A	12.50	
MPTR-200	67,160	159,000	251,000	26,500	63,000	146,300	411,900	205,900	1,048,600	N/A	21.87	

Lock washers and jam nuts available at an additional cost.

PCI "MPTRE" Series - Track Roller

Metric Stud Type Plain - Eccentric



Eccentric Track Rollers are used where precision alignment is necessary. The stud can be rotated before the roller is tightened into position, overcomes locational tolerance and unequal loading of multiple rollers. It will also help with alignment in guiding applications.

Ask a sales engineer about special regreaseable or stainless steel options.

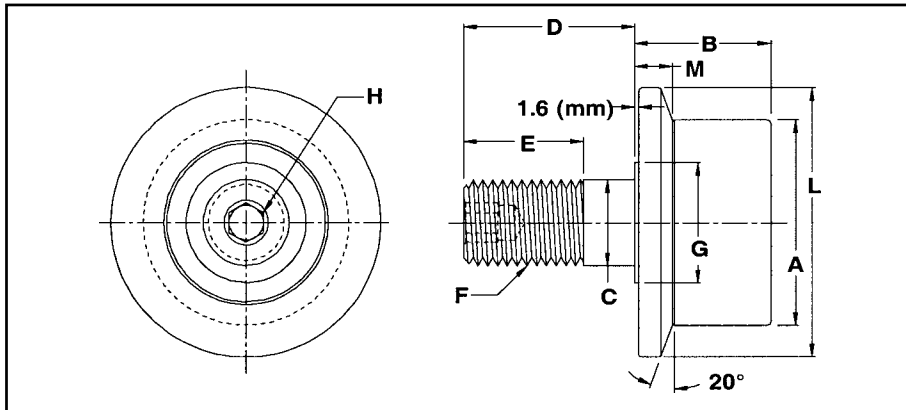
PCI Part Number	A Roller Dia. +.00/-.02 (mm)	B Roller Width (mm)	C Ecc. Dia. +.00/-.05 (mm)	D Stud Length (mm)	E Thread Length (mm)	F Thread Size (mm)	G Shoulder Dia. (mm)	H Hex Size (mm)	J Ecc. Length +.00/-.25 (mm)	K Ecc. Offset (mm)
MPTRE-40-1	40	27.6	22	36.5	20.5	M 18 x 1.5	28.5	8	16	1
MPTRE-47	47	27.6	24	40.5	22.5	M 20 x 1.5	32	8	18	1
MPTRE-50	50	40	24	50	32	M 16 x 2	32	8	18	1
MPTRE-52	52	33.6	24	40.5	22.5	M 20 x 1.5	32	8	18	1
MPTRE-62	62	44	28	58	38	M 24 x 3	43	8	20	1.5
MPTRE-62-1	62	44	28	49.5	27.5	M 24 x 1.5	43	8	22	1
MPTRE-72	72	44	28	49.5	27.5	M 20 x 1.5	38	8	22	1
MPTRE-76-1	76	52	35	70	41	M 24 x 1.5	50	8	29	1.5
MPTRE-80	80	52	35	70	41	M 24 x 1.5	50	8	29	1.5
MPTRE-85	85	52	35	70	41	M 24 x 1.5	50	8	29	1.5
MPTRE-90	90	52	35	70	41	M 24 x 1.5	50	8	29	1.5
MPTRE-100	100	52	35	70	41	M 24 x 1.5	50	8	29	1.5
MPTRE-125	125	76	64	105	55	M 48 x 5	88.9	12	50	1.5
MPTRE-150	150	76	80	140	75	M 64 x 6	88.9	12	65	1.5

PCI Part Number	Bearing Capacity (N) Newtons						Stud Capacity (N)			Retaining Ring Load (N)	Weight (Kg.)	Sealed Bearing Type
	Radial Load			Thrust Load			Bending = .75Sy		Load @ Mounting Rail			
	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	Load @ Center of Roller	Load @ End of Roller				
MPTRE-40-1	4,670	12,200	6,200	2,890	7,560	3,100	7,400	3,200	32,300	2,440	.29	Ball Bearings
MPTRE-47	4,670	12,200	6,200	2,890	7,560	3,100	7,400	3,200	32,300	2,440	.45	
MPTRE-50	6,450	17,700	9,500	4,030	10,600	4,700	20,700	7,300	64,900	4,000	.69	
MPTRE-52	6,450	17,700	9,500	4,030	10,600	4,700	20,700	7,300	64,900	4,000	.72	
MPTRE-62	8,800	23,100	13,100	5,400	14,200	6,200	21,200	7,960	81,600	5,960	1.10	
MPTRE-62-1	8,800	23,100	13,100	5,400	14,200	6,200	21,200	7,960	81,600	5,960	1.08	
MPTRE-72	20,330	48,400	33,950	7,500	17,800	20,330	20,820	15,250	101,860	N/A	1.60	Tapered Roller Non-metallic Seal
MPTRE-76-1	26,700	63,600	89,000	10,800	25,700	53,400	52,780	26,390	202,500	N/A	1.99	
MPTRE-80	26,700	63,600	89,000	10,800	25,700	53,400	52,780	26,390	202,500	N/A	2.39	
MPTRE-85	26,700	63,600	89,000	10,800	25,700	53,400	52,780	26,390	202,500	N/A	2.54	
MPTRE-90	26,700	63,600	89,000	10,800	25,700	53,400	52,780	26,390	202,500	N/A	2.98	
MPTRE-100	26,700	63,600	89,000	10,800	25,700	53,400	52,780	26,390	202,500	N/A	3.29	
MPTRE-125	67,100	159,000	259,700	24,600	58,500	142,700	143,500	71,750	518,250	N/A	4.63	
MPTRE-150	67,100	159,000	251,000	26,500	63,000	146,300	411,900	205,900	1,048,600	N/A	5.56	

Lock washers and jam nuts available at an additional cost.

PCI "MFTR" Series - Track Roller

Metric Stud Type Flanged



Flanged Track Rollers are used where light side thrust loads exist. When used in this manner, the flange acts as a guide. Flanged Track Rollers are also used in combination with Plain Track Rollers.

Ask a sales engineer about special regreaseable or stainless steel options.

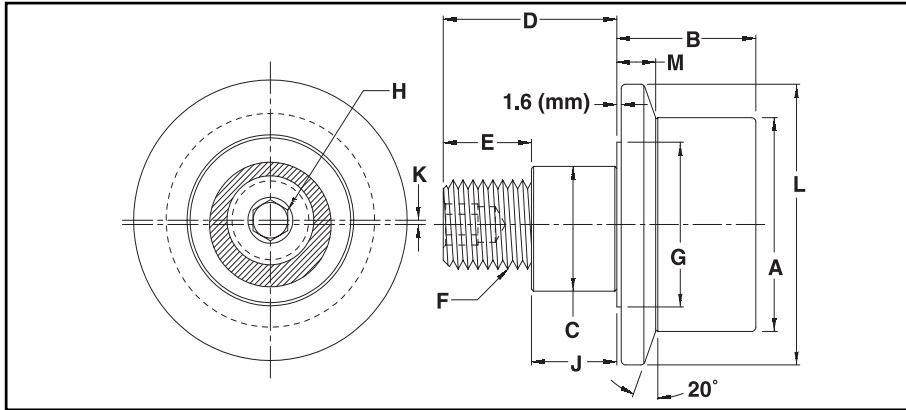
PCI Part Number	A Roller Dia. +.00/-.02 (mm)	B Roller Width (mm)	C Stud Dia. +.00/-.02 (mm)	D Stud Length (mm)	E Thread Length (mm)	F Thread Size (mm)	G Shoulder Dia. (mm)	H Hex Size (mm)	L Flange Dia. (mm)	M Flange Width (mm)
MFTR-40	40	30	14	40	26	M 14 x 2	18	6	54	8.8
MFTR-40-1	40	27.6	18	36.5	19	M 18 x 1.5	22	8	54	7.8
MFTR-47	47	27.6	20	40.5	21	M 20 x 1.5	25.5	8	61	7.8
MFTR-50	50	40	16	50	35	M 16 x 2	23	8	68	14.0
MFTR-52	52	33.6	20	40.5	21	M 20 x 1.5	25.5	8	66	10.8
MFTR-62	62	44	24	58	35	M 24 x 3	32	8	78	14.0
MFTR-62-2	62	44	24	49.5	25	M 24 x 1.5	32	8	78	14.0
MFTR-72	72	44	24	49.5	25	M 24 x 1.5	32	8	90	14.0
MFTR-76	76	52	30	69.5	40	M 30 x 3.5	44.5	12	98	14.0
MFTR-80	80	52	30	69.5	40	M 30 x 3.5	44.5	12	102	14.0
MFTR-85	85	52	30	69.5	40	M 30 x 3.5	44.5	12	107	14.0
MFTR-90	90	52	30	69.5	40	M 30 x 3.5	44.5	12	112	14.0
MFTR-100	100	52	30	80	50	M 30 x 3.5	44.5	12	125	14.0
MFTR-100-1	100	52	30	69.5	40	M 30 x 3.5	44.5	12	125	14.0
MFTR-125	125	76	48	105	60	M 48 x 5	88.9	12	148	18.0
MFTR-150	150	76	64	140	82	M 64 x 6	88.9	12	173	18.3
MFTR-200	200	76	64	140	82	M 64 x 6	88.9	12	223	18.3

PCI Part Number	Bearing Capacity (N) Newtons						Stud Capacity (N)				Retaining Ring Load (N)	Weight (Kg.)	Sealed Bearing Type
	Radial Load			Thrust Load			Bending = .75Sy		Shear = .75 x .5Sy				
	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	Load @ Center of Roller	Load @ End of Roller		Load @ Mounting Rail			
MFTR-40	4,670	12,200	6,200	2,890	7,560	3,100	7,400	3,200	32,300	2,440	.33	Ball Bearings	
MFTR-40-1	4,670	12,200	6,200	2,890	7,560	3,100	7,400	3,200	32,300	2,440	.24		
MFTR-47	4,670	12,200	6,200	2,890	7,560	3,100	7,400	3,200	32,300	2,440	.47		
MFTR-50	6,450	17,000	9,500	4,030	10,600	4,700	20,700	7,300	64,900	4,000	.70		
MFTR-52	6,450	17,000	9,500	4,030	10,600	4,700	20,700	7,300	64,900	4,000	.83		
MFTR-62	8,800	23,100	13,100	5,400	14,200	6,200	21,200	7,960	81,600	5,960	1.21		
MFTR-62-2	8,800	23,100	13,100	5,400	14,200	6,200	21,200	7,960	81,600	5,960	1.21		
MFTR-72	20,330	48,400	33,950	7,520	17,840	20,330	20,820	15,250	101,860	N/A	1.28	Tapered Roller Non-metallic Seal	
MFTR-76	26,700	63,600	89,000	10,800	25,700	53,400	52,780	26,390	202,500	N/A	2.17		
MFTR-80	26,700	63,600	89,000	10,800	25,700	53,400	52,780	26,390	202,500	N/A	2.41		
MFTR-85	26,700	63,600	89,000	10,800	25,700	53,400	52,780	26,390	202,500	N/A	2.75		
MFTR-90	26,700	63,600	89,000	10,800	25,700	53,400	52,780	26,390	202,500	N/A	2.98		
MFTR-100	26,700	63,600	89,000	10,800	25,700	53,400	52,780	26,390	202,500	N/A	3.70		
MFTR-100-1	26,700	63,600	89,000	10,800	25,700	53,400	52,780	26,390	202,500	N/A	3.52		
MFTR-125	67,100	159,000	259,700	24,600	58,500	142,700	143,500	71,750	518,250	N/A	8.86		
MFTR-150	67,000	159,000	251,000	26,500	63,000	146,300	411,900	205,900	1,048,600	N/A	13.07		
MFTR-200	67,000	159,000	251,000	26,500	63,000	146,300	411,900	205,900	1,048,600	N/A	20.37		

Lock washers and jam nuts available at an additional cost.

PCI "MFTRE" Series - Track Roller

Metric Stud Type Flanged - Eccentric



Flanged Eccentric Track Rollers are used where precision alignment is necessary. The stud can be rotated before the roller is tightened into position, overcomes locational tolerance and unequal loading of multiple rollers. It will also help with alignment in guiding applications.

Ask a sales engineer about special regreaseable or stainless steel options.

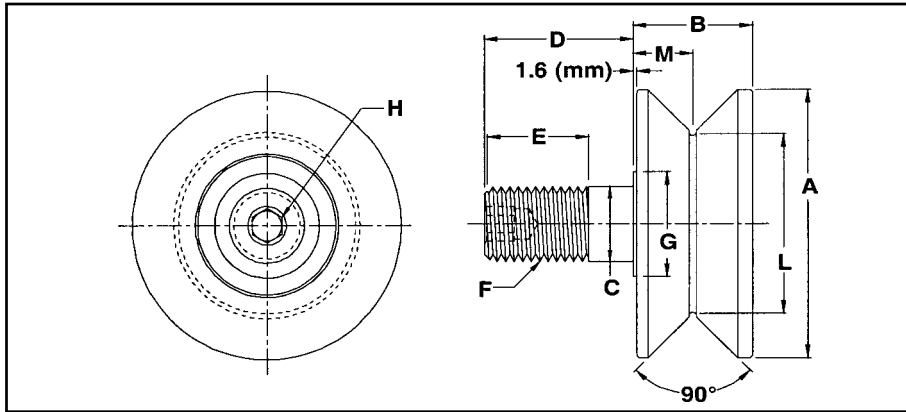
PCI Part Number	A Roller Dia. +.00/-02 (mm)	B Roller Width (mm)	C Ecc. Dia. +.00/-05 (mm)	D Stud Length (mm)	E Thread Length (mm)	F Thread Size (mm)	G Shoulder Dia. (mm)	H Hex Size (mm)	J Ecc. Length +.00/-.25 (mm)	K Ecc. Offset (mm)	L Flange Dia. (mm)	M Flange Width (mm)
MFTRE-40-1	40	27.6	22	36.5	20.5	M 18 x 1.5	28.5	8	16	1	54	7.8
MFTRE-50	50	40	24	50	32	M 16 x 2	32	8	18	1	68	14.0
MFTRE-62-1	62	44	28	49.5	27.5	M 24 x 1.5	43	8	22	1	78	14.0
MFTRE-76	76	52	35	70	41	M 24 x 1.5	50	8	29	1.5	98	14.0
MFTRE-90	90	52	35	70	41	M 24 x 1.5	50	8	29	1.5	112	14.0
MFTRE-100	100	52	35	70	41	M 24 x 1.5	50	8	29	1.5	125	14.0
MFTRE-125	125	76	64	105	55	M 48 x 5	88.9	12	50	1.5	148	18.0
MFTRE-150	150	76	80	140	75	M 64 x 6	88.9	12	65	1.5	173	18.3

PCI Part Number	Bearing Capacity (N) Newtons						Stud Capacity (N)			Retaining Ring Load (N)	Weight (Kg.)	Sealed Bearing Type
	Radial Load			Thrust Load			Bending = .75Sy		Shear = .75 x .5Sy			
	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	Load @ Center of Roller	Load @ End of Roller	Load @ Mounting Rail			
MFTRE-40-1	4,670	12,200	6,200	2,890	7,560	3,100	7,400	3,200	32,300	2,440	.35	Ball Bearings
MFTRE-50	6,450	17,000	9,500	4,030	10,600	4,700	20,700	7,300	64,900	4,000	.94	
MFTRE-62-1	8,800	23,100	13,100	5,400	14,200	6,200	21,200	7,960	81,600	5,960	1.13	
MFTRE-76	26,700	63,600	89,000	10,800	25,700	53,400	52,780	26,390	202,500	N/A	2.31	
MFTRE-90	26,700	63,600	89,000	10,800	25,700	53,400	52,780	26,390	202,500	N/A	3.09	Tpd. Roller Non-metallic Seal
MFTRE-100	26,700	63,600	89,000	10,800	25,700	53,400	52,780	26,390	202,500	N/A	3.79	
MFTRE-125	67,100	159,000	259,700	24,600	58,500	142,700	143,500	71,750	518,250	N/A	4.74	
MFTRE-150	67,100	159,000	251,000	26,500	63,000	146,300	411,900	205,900	1,048,600	N/A	5.69	

Lock washers and jam nuts available at an additional cost.

PCI "MVTR" Series - Track Roller

Metric Stud Type V-Grooved



V-Grooved Track Rollers are designed to operate on "V" bar tracks, common in environments where sand, powder or chips would be likely to build up on a flat track.

Ask a sales engineer about special regreaseable or stainless steel options.

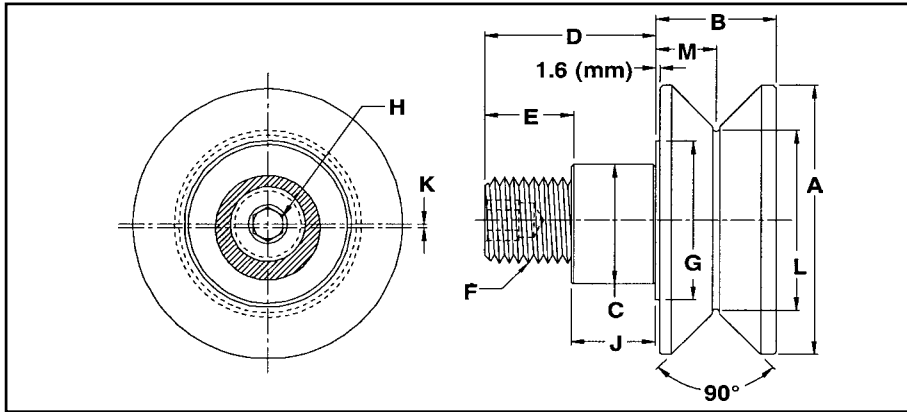
PCI Part Number	A Roller Dia. +.00/-.02 (mm)	B Roller Width (mm)	C Stud Dia. +.00/-.02 (mm)	D Stud Length (mm)	E Thread Length (mm)	F Thread Size (mm)	G Shoulder Dia. (mm)	H Hex Size (mm)	L Point Dia. (mm)	M Groove Center (mm)
MVTR-40	60	33	14	40	26	M 14 x 2	18	6	40	17
MVTR-62	90	44.5	24	57.9	34.9	M 24 x 3	32	8	62	23
MVTR-62-1	90	44.5	24	49.5	25	M 24 x 1.5	32	8	62	23
MVTR-76	120	50.5	30	70	40	M 30 x 3.5	44.5	12	76	26
MVTR-100	140	50.5	30	80	50	M 30 x 3.5	44.5	12	100	26
MVTR-100-1	140	50.5	30	69.5	40	M 30 x 3.5	44.5	12	100	26
MVTR-125	165	76	48	105	60	M 48 x 5	88.9	12	125	37.8

PCI Part Number	Bearing Capacity (N) Newtons						Stud Capacity (N)		Retaining Ring Load (N)	Weight (Kg.)	Sealed Bearing Type
	Radial Load			Thrust Load			Bending = .75Sy	Shear = .75 x .5Sy			
	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	Load @ Center of Roller	Load @ Mounting Rail			
MVTR-40	4,670	12,200	6,200	2,890	7,560	2,650	7,400	32,300	2,440	.53	Ball Bearings
MVTR-62	8,800	23,100	13,100	5,400	14,200	6,200	21,200	81,600	5,960	1.79	
MVTR-62-1	8,800	23,100	13,100	5,400	14,200	6,200	21,200	81,600	5,960	1.90	
MVTR-76	26,700	63,500	89,000	10,800	25,700	53,400	52,780	202,500	N/A	3.27	Tpd. Roller Non-Metallic Seal
MVTR-100	26,700	63,500	89,000	10,800	25,700	53,400	52,780	202,500	N/A	4.77	
MVTR-100-1	26,700	63,500	89,000	10,800	25,700	53,400	52,780	202,500	N/A	4.77	
MVTR-125	67,100	159,000	259,000	24,600	58,500	142,700	143,500	518,250	N/A	11.56	

Lock washers and jam nuts available at an additional cost.

PCI "MVTRE" Series - Track Roller

Metric Stud Type V-Grooved - Eccentric



V-Grooved Eccentric Track Rollers are used where precision alignment is necessary. The stud can be rotated before the roller is tightened into position, which overcomes locational tolerance and unequal loading of multiple rollers. It will also help with alignment in guiding applications.

Ask a sales engineer about special regreaseable or stainless steel options.

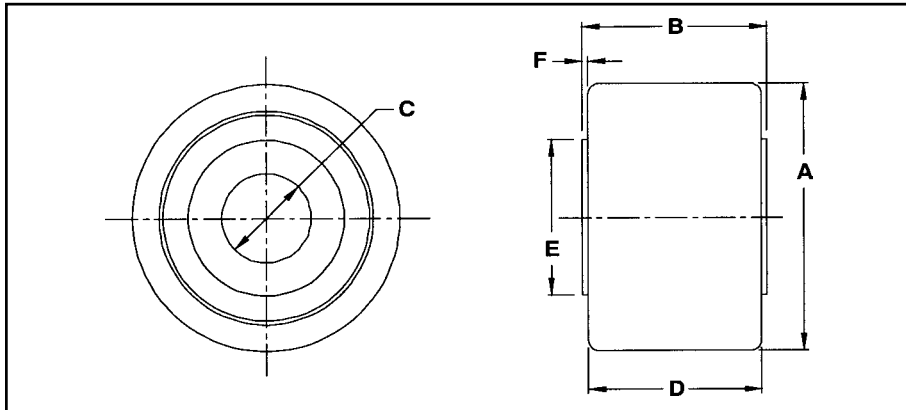
PCI Part Number	A Roller Dia. +.00/-.02 (mm)	B Roller Width (mm)	C Ecc. Dia. +.00/-.05 (mm)	D Stud Length (mm)	E Thread Length (mm)	F Thread Size (mm)	G Shoulder Dia. (mm)	H Hex Size (mm)	J Ecc. Length +.00/-.25 (mm)	K Ecc. Offset (mm)	L Point Dia. (mm)	M Groove Center (mm)
MVTRE-40	60	33	22	40	24	M 14 x 2	28.5	6	16	1	40	17
MVTRE-62	90	44.5	28	58	38	M 24 x 3	43	8	20	1.5	62	23
MVTRE-62-1	90	44.5	28	49.5	27.5	M 24 x 1.5	43	8	22	1	62	23
MVTRE-76	120	50.5	35	70	41	M 24 x 1.5	50	8	29	1.5	76	26
MVTRE-100	140	50.5	35	70	41	M 24 x 1.5	50	8	29	1.5	100	26
MVTRE-125	165	76	64	105	55	M 48 x 5	88.9	12	50	1.5	125	37.8

PCI Part Number	Bearing Capacity (N) Newtons						Stud Capacity (N)		Retaining Ring Load (N)	Weight (Kg.)	Sealed Bearing Type
	Radial Load			Thrust Load			Bending = .75Sy	Shear = .75 x .5Sy			
	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	Load @ Center of Roller	Load @ Mounting Rail			
MVTRE-40	4,670	12,200	6,200	2,890	7,560	2,650	7,400	32,300	2,440	.64	Ball Bearings
MVTRE-62	8,800	23,100	13,100	5,400	14,200	6,200	21,200	81,600	5,960	1.57	
MVTRE-62-1	8,800	23,100	13,100	5,400	14,200	6,200	21,200	81,600	5,960	1.57	
MVTRE-76	26,700	63,500	89,000	10,800	25,700	53,400	52,780	202,500	N/A	3.43	Tpd. Roller Non-metallic Seal
MVTRE-100	26,700	63,500	89,000	10,800	25,700	53,400	52,780	202,500	N/A	4.00	
MVTRE-125	67,100	159,000	259,000	24,600	58,500	142,700	143,500	518,250	N/A	4.72	

Lock washers and jam nuts available at an additional cost.

PCI "MPTRY" Series - Track Roller

Metric Yoke Type Plain



Plain Yoke Track Rollers effectively carry radial loads. For heavy side loads, they can also be positioned to act as side guides.

Ask a sales engineer about special regreaseable or stainless steel options.

Eccentric Yoke Track Rollers available upon request.

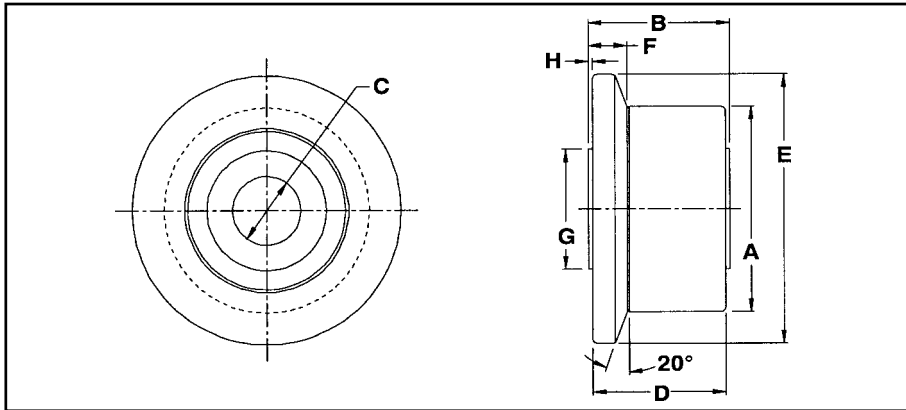
PCI Part Number	A Roller Dia. +.00/-02 (mm)	B Inner Race Width (mm)	C Bore Dia. +.00/-02 (mm)	D Roller Width (mm)	E Shoulder Dia. (mm)	F Shoulder Length (mm)	Optional Yoke Shaft
MPTRY-62	62	40	19	38	35	1	MYSH-19
MPTRY-72	72	40	19	38	35	1	MYSH-19
MPTRY-76	76	46	25	44	44.5	1	MYSH-25
MPTRY-80	80	46	25	44	44.5	1	MYSH-25
MPTRY-85	85	46	25	44	44.5	1	MYSH-25
MPTRY-90	90	56	30	54	57.2	1	MYSH-30
MPTRY-100	100	56	30	54	57.2	1	MYSH-30
MPTRY-125	125	71	45	68	82.6	1.5	MYSH-45
MPTRY-150	150	73	55	70	88.9	1.5	MYSH-55
MPTRY-200	200	79	70	76	108	1.5	MYSH-70
MPTRY-250	250	79	70	76	108	1.5	MYSH-70

Larger yoke rollers can be manufactured upon request.

PCI Part Number	Bearing Capacity (N) Newtons						Weight (Kg.)	Sealed Bearing Type
	Radial Load			Thrust Load				
	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static		
MPTRY-62	6,900	18,200	10,600	1,730	4,540	2,650	.50	Ball Bearings
MPTRY-72	6,900	18,200	10,600	1,730	4,540	2,650	.59	
MPTRY-76	26,700	63,500	89,000	10,800	25,700	53,400	1.24	Tapered Roller Non-metallic Seal
MPTRY-80	26,700	63,500	89,000	10,800	25,700	53,400	1.41	
MPTRY-85	26,700	63,500	89,000	10,800	25,700	53,400	1.60	
MPTRY-90	32,900	78,200	121,000	10,700	25,600	58,300	1.92	
MPTRY-100	32,900	78,200	121,000	10,700	25,600	58,300	2.93	
MPTRY-125	67,000	159,000	259,000	26,400	63,100	142,700	5.01	
MPTRY-150	67,000	159,000	250,000	26,500	63,000	147,000	8.65	
MPTRY-200	79,200	188,600	355,000	32,400	77,400	215,000	19.58	Tpd. Roller Metallic Shield
MPTRY-250	79,200	188,600	355,000	32,400	77,400	215,000	35.74	

PCI "MFTRY" Series - Track Roller

Metric Yoke Type Flanged



Flanged Yoke Track Rollers are used where light side thrust loads exist. When used in this manner, the flange acts as a guide. Flanged Yoke Track Rollers are also used in combination with Plain Yoke Track Rollers.

Ask a sales engineer about special regreaseable or stainless steel options.

Eccentric Yoke Track Rollers available upon request.

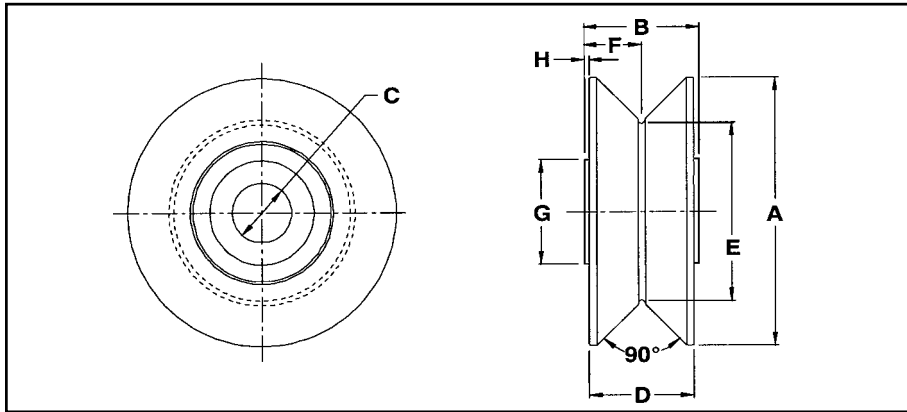
PCI Part Number	A Roller Dia. +.00/-.02 (mm)	B Inner Race Width (mm)	C Bore Dia. +.00/-.02 (mm)	D Roller Width (mm)	E Flange Dia. (mm)	F Flange Width (mm)	G Shoulder Dia. (mm)	H Shoulder Length (mm)	Optional Yoke Shaft
MFTRY-62	62	40	19	38	78	12.5	35	1	MYSH-19
MFTRY-72	72	40	19	38	90	12.5	35	1	MYSH-19
MFTRY-76	76	46	25	44	98	13.5	44.5	1	MYSH-25
MFTRY-80	80	46	25	44	102	13.5	44.5	1	MYSH-25
MFTRY-85	85	46	25	44	107	13.5	44.5	1	MYSH-25
MFTRY-90	90	56	30	54	112	13.5	57.2	1	MYSH-30
MFTRY-100	100	56	30	54	122	13.5	57.2	1	MYSH-30
MFTRY-125	125	71	45	68	148	18.2	82.6	1.5	MYSH-45
MFTRY-150	150	73	55	70	173	18.2	88.9	1.5	MYSH-55
MFTRY-200	200	79	70	76	223	18.2	108	1.5	MYSH-70
MFTRY-250	250	79	70	76	273	18.2	108	1.5	MYSH-70

Larger yoke rollers can be manufactured upon request.

PCI Part Number	Bearing Capacity (N) Newtons						Weight (Kg.)	Sealed Bearing Type
	Radial Load			Thrust Load				
	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static		
MFTRY-62	6,900	18,200	10,600	1,730	4,540	2,650	.59	Ball Bearings
MFTRY-72	6,900	18,200	10,600	1,730	4,540	2,650	.68	
MFTRY-76	26,700	63,500	89,000	10,800	25,700	53,400	1.24	Tapered Roller Non-metallic Seal
MFTRY-80	26,700	63,500	89,000	10,800	25,700	53,400	1.71	
MFTRY-85	26,700	63,500	89,000	10,800	25,700	53,400	1.95	
MFTRY-90	32,900	78,200	121,000	10,700	25,600	58,300	2.37	
MFTRY-100	32,900	78,200	121,000	10,700	25,600	58,300	3.43	
MFTRY-125	67,000	159,000	259,000	26,400	63,100	142,700	5.72	
MFTRY-150	67,000	159,000	250,000	26,500	63,000	147,000	9.56	Tpd. Roller Metallic Shield
MFTRY-200	79,200	188,600	355,000	32,400	77,400	215,000	20.78	
MFTRY-250	79,200	188,600	355,000	32,400	77,400	215,000	37.25	

PCI "MVTRY" Series - Track Roller

Metric Yoke Type V-Grooved



V-Grooved Yoke Track Rollers are designed to operate on "V" bar tracks, common in environments where sand, powder or chips would be likely to build up on a flat track.

Ask a sales engineer about special regreaseable or stainless steel options.

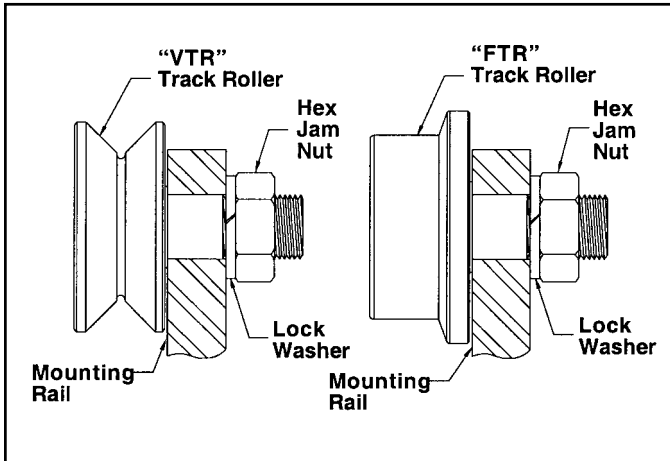
Eccentric Yoke Track Rollers available upon request.

PCI Part Number	A Roller Dia. +.00/-.02 (mm)	B Inner Race Width (mm)	C Bore Dia. +.00/-.02 (mm)	D Roller Width (mm)	E Point Dia. (mm)	F Groove Center (mm)	G Shoulder Dia. (mm)	H Shoulder Length (mm)	Optional Yoke Shaft
MVTRY-62	90	40	19	38	62	20	35	1	MYSH-19
MVTRY-76	110	46	25	44	76	23	44.5	1	MYSH-25
MVTRY-100	140	56	30	54	100	28	57.2	1	MYSH-30
MVTRY-125	165	71	45	68	125	35.5	82.6	1.5	MYSH-45
MVTRY-150	190	73	55	70	150	36.5	88.9	1.5	MYSH-55
MVTRY-200	240	79	70	76	200	39.5	108	1.5	MYSH-70
MVTRY-250	290	79	70	76	250	39.5	108	1.5	MYSH-70

Larger yoke rollers can be manufactured upon request.

PCI Part Number	Bearing Capacity (N) Newtons						Weight (Kg.)	Sealed Bearing Type
	Radial Load			Thrust Load				
	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static	3000 Hrs. L ₁₀ Life @ 100 RPM	500 Hrs. L ₁₀ Life @ 33 1/3 RPM	Static		
MVTRY-62	6,900	18,200	10,600	1,730	4,540	2,650	1.36	Ball Brgs.
MVTRY-76	26,700	63,500	89,000	10,800	25,700	53,400	2.21	Tpd. Roller Non-metallic Seal
MVTRY-100	32,900	78,200	121,000	10,700	25,600	58,300	5.08	
MVTRY-125	67,000	148,100	259,000	26,400	63,100	142,700	8.52	
MVTRY-150	67,000	159,000	250,000	26,500	63,000	147,000	13.79	Tpd. Roller Metallic Shield
MVTRY-200	79,200	188,600	355,000	32,400	77,400	215,000	29.60	
MVTRY-250	79,200	188,600	355,000	32,400	77,400	215,000	56.52	

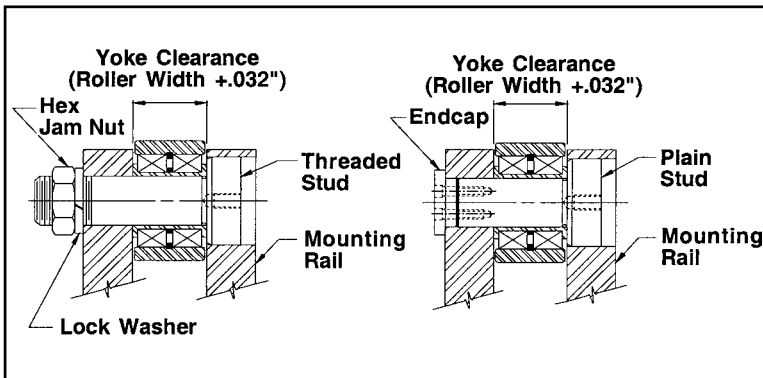
Installation Notes for Stud Type Track Rollers



Mounting holes should be machined to the nominal stud size within $+0.001/-0.000$ ($+0.025$ mm/ -0.000 mm) tolerance. When properly aligned, the roller stud should slip into the mounting member. Do not force the stud into the mounting member as damage to the roller may occur. When mounting rollers, do not torque the jam nuts beyond what is recommended or damage may occur. Be sure that the mounting member is of sufficient thickness to support the applied loads.

STUD DIAMETER	DRY THREADS	LUBRICATED THREADS
Less than 5/8" / 16mm	15 ft. lb. / 20 Nm	8 ft lb. / 10 Nm
5/8"/16 mm to 1"/24 mm	50 ft. lb. / 68 Nm	25 ft. lb. / 34 Nm
Over 1" / 24 mm	100 ft. lb. / 136 Nm	50 ft. lb. / 68 Nm

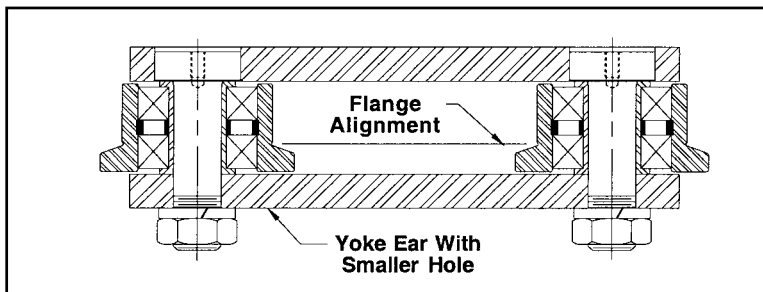
Installation Notes - Yoke Type Track Rollers



Plain Yoke Track Rollers

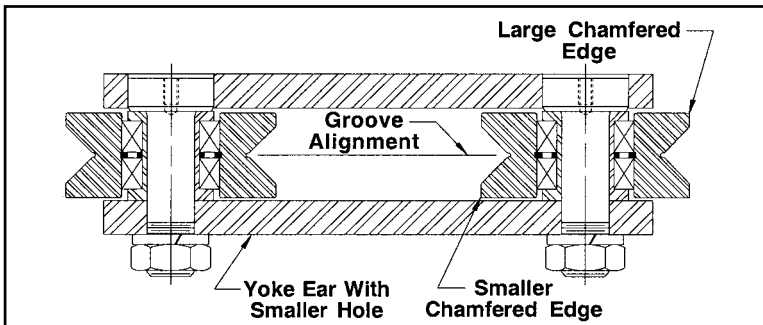
PCI Plain Yoke Track Rollers are easily installed by locating either side of the roller against the yoke ear that has the smaller hole. Simply tightening the lock nut snugs the roller up against the yoke ear.

NOTE: The shoulder of the inner race must be tightened firmly to ensure the integrity of the yoke roller assembly. This applies to all yoke rollers.



Flanged Yoke Track Rollers

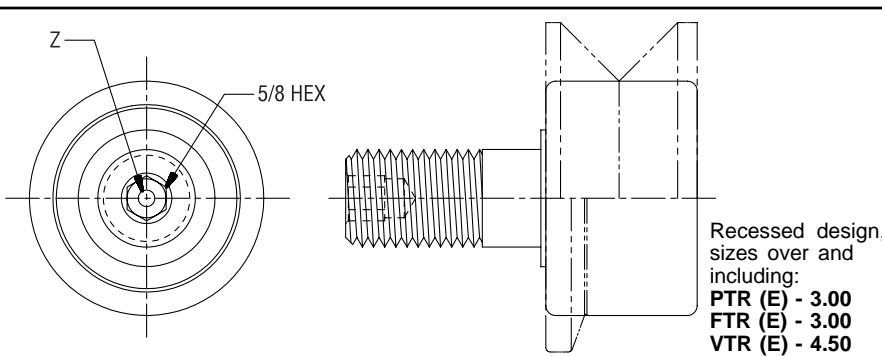
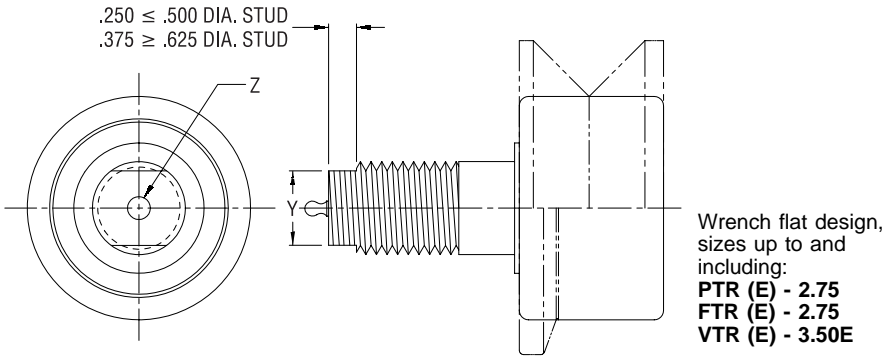
PCI Flanged Yoke Track Rollers are easily aligned by locating the flanged side of the roller against the yoke ear with the smaller hole. This will ensure proper flange alignment.



V-Grooved Yoke Track Rollers

PCI V-Grooved Yoke Track Rollers are easily aligned by locating the roller so that the smaller chamfered edge is against the yoke ear with the smaller hole. This will ensure proper groove alignment.

STANDARD REGREASEABLE TRACK ROLLER



- Extends bearing life in harsh conditions, such as high temperatures or extreme contaminants, by purging debris from bearings.
- Easily allows for your own special lubricant.
- Grease fitting included.
- Other configurations available.
- Stainless steel options available.

CAUTION:

Simply increasing lubrication temperature capacities may not increase overall track roller capacities. Contact a PCI sales engineer for more information.

3 16 Stainless Steel Track Rollers

- Corrosion/chemical resistant
- 316 Stainless steel material (heat treatable materials available by special request)
- Regreaseable provisions available
- Extreme moisture/washdown resistant
- Internal bearings are stainless steel
- Food grade lubricant available upon request

Optional Features and Custom Designs

PCI can manufacture track rollers to meet your requirements. Please call us with your exact specifications. Optional features for track rollers listed in this catalog are as follows:



- Special seals
- Special lubricants
- Double flange rollers
- Reversed flange rollers
- Crowned outside diameter
- Special platings such as black oxide, zinc, chrome, etc.
- Urethane or rubber tread surfaces
- Extreme moisture/wash down applications



Track Roller Engineering Data

PCI Design

PCI Track Rollers are designed and manufactured to operate in the most adverse conditions. Special sealing provisions allow track rollers to operate in dirt, sand, heat, cold, high speeds, vibration and heavy loads. The roller ends of all track rollers are protected by a tight fitting steel expansion plug. All bearings are sealed to retain lubricants and exclude contaminants. PCI Track Rollers use heavy duty ball bearings or tapered roller bearings and are lubricated with the proper amount, grade and type of grease. When purchasing a PCI Track Roller, you are guaranteed a reliable, maintenance free, quality product.

Bearing Life and Dynamic Loads

PCI Track Rollers that have been properly mounted, lubricated and maintained will operate with minimal internal wear until fatigue failure of the rolling elements takes place. Fatigue failure is evidenced by wear on the surfaces of the rolling elements.

Individual bearing life is expressed as the number of revolutions or the number of hours at a given speed that a bearing will complete before fatigue failure occurs. The L_{10} or minimum life is the most common expression of bearing life. It is defined as the number of hours at a constant speed (or number of revolutions) that 90% of a given test group of bearings should survive under laboratory conditions.

Another common term is the Basic Dynamic Load Rating (BDR). The BDR is the rated load for an L_{10} life of 1 million revolutions (33 1/3 r.p.m. for 500 hours). Track Roller tables list load ratings for 33 1/3 r.p.m. for 500 hours and 100 r.p.m. for 3000 hours. To find a load rating for a different number of hours and r.p.m., refer to the following example.

To relate the BDR required to the speed, load and desired life, use the following formula:

Where:

BDR = Basic Dynamic Rating Required

P = Applied Load

L = Desired Life (hours)

N = Speed (r.p.m.)

A = Exponent (use 1/3 for ball bearings, use 3/10 for tapered roller bearings)

$$BDR = 0.05413 \times P \times (L \times N)^A$$

Example:

What is the Radial Load Capacity for a PTR-3.00 Plain Track Roller with a Desired Life of 1000 hours at 40 r.p.m.?

Use Formula:

$BDR = 0.05413 \times P \times (L \times N)^A$ Since the Track Roller uses tapered roller bearings (from chart) use $A = 3/10$. From the chart, the BDR for 33 1/3 r.p.m. for 500 hours = 14,300

$14,300 = 0.05413 \times P \times (1000 \times 40)^{(3/10)}$ Solving for P, calculate **P = 10,997 lbs.**

Other considerations that must be accounted for include, but are not limited to:

- Track Capacity
- Thrust Load
- Operating Environment
- Stud Strength
- Track to Roller Alignment
- Allowable Retaining Ring Load
- Shock/Impact Loading
- Multiple Roller Alignment

Lubrication and Operating Temperature

Stock PCI track rollers are lubricated with multi-purpose bearing grease. The following chart provides operating temperatures for standard lubrication and optional lubricants:

Application Description	Operating Temperature (°F)
Standard Applications	-30° to 225°
Low Temp./High Temp. Applications*	-100° to 400°
Longer Life Applications	-40° to 225°
Solid Lubricant Applications*	-250° to 450°
Extreme Pressure Applications*	-220° to 266°

Application Description	Operating Temperature (°F)
Standard Food Grade Applications	0° to 225°
Low Temp./High Temp. Food Grade Applications*	-90° to 400°
Longer Life Food Grade Applications	0° to 225°
Solid Lubricant Applications*	40° to 200°
Extreme Pressure Food Grade Applications*	0° to 225°

*Note - In addition to special lubricants, other track roller component modifications are required. Contact a PCI Sales Engineer.



Cam Follower Interchange Charts

STUD TYPE

Standard Cam Followers Unsealed			
PCI Part Number	McGill	Torrington	RBC
SCF-2.00	CF-2	CR-32	S64
SCF-2.25	CF-2 1/4	CR-36	S72
SCF-2.50	CF-2 1/2	CR-40	S80
SCF-2.75	CF-2 3/4	CR-44	S88
SCF-3.00	CF-3	CR-48	S96
SCF-3.25	CF-3 1/4	CR-52	S104
SCF-3.50	CF-3 1/2	CR-56	S112
SCF-4.00	CF-4	CR-64	S128

Standard Cam Followers Sealed			
PCI Part Number	McGill	Torrington	RBC
SCF-2.00-S	CF-2-S	CRS-32	S64L
SCF-2.25-S	CF-2 1/4-S	CRS-36	S72L
SCF-2.50-S	CF-2 1/2-S	CRS-40	S80L
SCF-2.75-S	CF-2 3/4-S	CRS-44	S88L
SCF-3.00-S	CF-3-S	CRS-48	S96L
SCF-3.25-S	CF-3 1/4-S	CRS-52	S104L
SCF-3.50-S	CF-3 1/2-S	CRS-56	S112L
SCF-4.00-S	CF-4-S	CRS-64	S128L

Eccentric Cam Followers Unsealed			
PCI Part Number	McGill	Torrington	RBC
SCFE-2.00	CFE-2	CRE-32	N/A
SCFE-2.25	CFE-2 1/4	CRE-36	
SCFE-2.50	CFE-2 1/2	CRE-40	
SCFE-2.75	CFE-2 3/4	CRE-44	
SCFE-3.00	CFE-3	CRE-48	
SCFE-3.25	CFE-3 1/4	CRE-52	
SCFE-3.50	CFE-3 1/2	CRE-56	
SCFE-4.00	CFE-4	CRE-64	

Eccentric Cam Followers Sealed			
PCI Part Number	McGill	Torrington	RBC
SCFE-2.00-S	CFE-2-S	CRSE-32	N/A
SCFE-2.25-S	CFE-2 1/4-S	CRSE-36	
SCFE-2.50-S	CFE-2 1/2-S	CRSE-40	
SCFE-2.75-S	CFE-2 3/4-S	CRSE-44	
SCFE-3.00-S	CFE-3-S	CRSE-48	
SCFE-3.25-S	CFE-3 1/4-S	CRSE-52	
SCFE-3.50-S	CFE-3 1/2-S	CRSE-56	
SCFE-4.00-S	CFE-4-S	CRSE-64	

Standard Cam Followers Unsealed - Hex Socket			
PCI Part Number	McGill	Torrington	RBC
SCF-2.00-H	CF-2-B	CRB-32	N/A
SCF-2.25-H	CF-2 1/4-B	CRB-36	
SCF-2.50-H	CF-2 1/2-B	CRB-40	
SCF-2.75-H	CF-2 3/4-B	CRB-44	
SCF-3.00-H	CF-3-B	CRB-48	
SCF-3.25-H	CF-3 1/4-B	CRB-52	
SCF-3.50-H	CF-3 1/2-B	CRB-56	
SCF-4.00-H	CF-4-B	CRB-64	
SCF-5.00-H	CF-5	CRB-80	
SCF-6.00-H	CF-6	CRB-96	
SCF-7.00-H	CF-7	CRB-112	
SCF-8.00-H	CF-8	N/A	
SCF-9.00-H	CF-9	N/A	
SCF-10.00-H	CF-10	N/A	

Standard Cam Followers Sealed - Hex Socket			
PCI Part Number	McGill	Torrington	RBC
SCF-2.00-SH	CF-2-SB	CRSB-32	S64LW
SCF-2.25-SH	CF-2 1/4-SB	CRSB-36	S72LW
SCF-2.50-SH	CF-2 1/2-SB	CRSB-40	S80LW
SCF-2.75-SH	CF-2 3/4-SB	CRSB-44	S88LW
SCF-3.00-SH	CF-3-SB	CRSB-48	S96LW
SCF-3.25-SH	CF-3 1/4-SB	CRSB-52	S104LW
SCF-3.50-SH	CF-3 1/2-SB	CRSB-56	S112LW
SCF-4.00-SH	CF-4-SB	CRSB-64	S128LW
SCF-5.00-SH	CF-5-S	CRSB-80	S160LW
SCF-6.00-SH	CF-6-S	CRSB-96	S192LW
SCF-7.00-SH	CF-7-S	CRSB-112	S224LW
SCF-8.00-SH	CF-8-S	N/A	N/A
SCF-9.00-SH	CF-9-S	N/A	N/A
SCF-10.00-SH	CF-10-S	N/A	N/A

Eccentric Cam Followers Unsealed - Hex Socket			
PCI Part Number	McGill	Torrington	RBC
SCFE-2.00-H	CFE-2-B	CRB-32	N/A
SCFE-2.25-H	CFE-2 1/4-B	CRB-36	
SCFE-2.50-H	CFE-2 1/2-B	CRB-40	
SCFE-2.75-H	CFE-2 3/4-B	CRB-44	
SCFE-3.00-H	CFE-3-B	CRB-48	
SCFE-3.25-H	CFE-3 1/4-B	CRB-52	
SCFE-3.50-H	CFE-3 1/2-B	CRB-56	
SCFE-4.00-H	CFE-4-B	CRB-64	

Eccentric Cam Followers Sealed - Hex Socket			
PCI Part Number	McGill	Torrington	RBC
SCFE-2.00-SH	CFE-2-SB	CRSBE-32	S64LWX
SCFE-2.25-SH	CFE-2 1/4-SB	CRSBE-36	S72LWX
SCFE-2.50-SH	CFE-2 1/2-SB	CRSBE-40	S80LWX
SCFE-2.75-SH	CFE-2 3/4-SB	CRSBE-44	S88LWX
SCFE-3.00-SH	CFE-3-SB	CRSBE-48	S96LWX
SCFE-3.25-SH	CFE-3 1/4-SB	CRSBE-52	S104LWX
SCFE-3.50-SH	CFE-3 1/2-SB	CRSBE-56	S112LWX
SCFE-4.00-SH	CFE-4-SB	CRSBE-64	S128LWX

These charts are provided to compare the interchangeability of cam followers made by various manufacturers. Please note that all manufacturers do not have the same dimensions and specifications. Ask your **PCI** sales engineer for assistance in comparing dimensions critical for specific applications.



Cam Follower Interchange Charts

STUD TYPE

Standard Cam Followers Crowned O.D. - Unsealed			
PCI Part Number	McGill	Torrington	RBC
SCCF-2.00	CCF-2	CRC-32	N/A
SCCF-2.25	CCF-2 1/4	CRC-36	
SCCF-2.50	CCF-2 1/2	CRC-40	
SCCF-2.75	CCF-2 3/4	CRC-44	
SCCF-3.00	CCF-3	CRC-48	
SCCF-3.25	CCF-3 1/4	CRC-52	
SCCF-3.50	CCF-3 1/2	CRC-56	
SCCF-4.00	CCF-4	CRC-64	

Standard Cam Followers Crowned O.D. - Sealed			
PCI Part Number	McGill	Torrington	RBC
SCCF-2.00-S	CCF-2-S	CRSC-32	CS64L
SCCF-2.25-S	CCF-2 1/4-S	CRSC-36	CS72L
SCCF-2.50-S	CCF-2 1/2-S	CRSC-40	CS80L
SCCF-2.75-S	CCF-2 3/4-S	CRSC-44	CS88L
SCCF-3.00-S	CCF-3-S	CRSC-48	CS96L
SCCF-3.25-S	CCF-3 1/4-S	CRSC-52	CS104L
SCCF-3.50-S	CCF-3 1/2-S	CRSC-56	CS112L
SCCF-4.00-S	CCF-4-S	CRSC-64	CS128L

Eccentric Cam Followers Crowned O.D. - Unsealed			
PCI Part Number	McGill	Torrington	RBC
SCCFE-2.00	CCFE-2	CRCE-32	N/A
SCCFE-2.25	CCFE-2 1/4	CRCE-36	
SCCFE-2.50	CCFE-2 1/2	CRCE-40	
SCCFE-2.75	CCFE-2 3/4	CRCE-44	
SCCFE-3.00	CCFE-3	CRCE-48	
SCCFE-3.25	CCFE-3 1/4	CRCE-52	
SCCFE-3.50	CCFE-3 1/2	CRCE-56	
SCCFE-4.00	CCFE-4	CRCE-64	

Eccentric Cam Followers Crowned O.D. - Sealed			
PCI Part Number	McGill	Torrington	RBC
SCCFE-2.00-S	CCFE-2-S	CRSCE-32	N/A
SCCFE-2.25-S	CCFE-2 1/4-S	CRSCE-36	
SCCFE-2.50-S	CCFE-2 1/2-S	CRSCE-40	
SCCFE-2.75-S	CCFE-2 3/4-S	CRSCE-44	
SCCFE-3.00-S	CCFE-3-S	CRSCE-48	
SCCFE-3.25-S	CCFE-3 1/4-S	CRSCE-52	
SCCFE-3.50-S	CCFE-3 1/2-S	CRSCE-56	
SCCFE-4.00-S	CCFE-4-S	CRSCE-64	

Standard Cam Followers Crowned O.D. - Unsealed - Hex Socket			
PCI Part Number	McGill	Torrington	RBC
SCCF-2.00-H	CCF-2-B	CRBC-32	N/A
SCCF-2.25-H	CCF-2 1/4-B	CRBC-36	
SCCF-2.50-H	CCF-2 1/2-B	CRBC-40	
SCCF-2.75-H	CCF-2 3/4-B	CRBC-44	
SCCF-3.00-H	CCF-3-B	CRBC-48	
SCCF-3.25-H	CCF-3 1/4-B	CRBC-52	
SCCF-3.50-H	CCF-3 1/2-B	CRBC-56	
SCCF-4.00-H	CCF-4-B	CRBC-64	
SCCF-5.00-H	CCF-5	N/A	
SCCF-6.00-H	CCF-6	N/A	
SCCF-7.00-H	CCF-7	N/A	
SCCF-8.00-H	CCF-8	N/A	
SCCF-9.00-H	CCF-9	N/A	
SCCF-10.00-H	CCF-10	N/A	

Standard Cam Followers Crowned O.D. - Sealed - Hex Socket			
PCI Part Number	McGill	Torrington	RBC
SCCF-2.00-SH	CCF-2-SB	CRSBC-32	CS64LW
SCCF-2.25-SH	CCF-2 1/4-SB	CRSBC-36	CS72LW
SCCF-2.50-SH	CCF-2 1/2-SB	CRSBC-40	CS80LW
SCCF-2.75-SH	CCF-2 3/4-SB	CRSBC-44	CS88LW
SCCF-3.00-SH	CCF-3-SB	CRSBC-48	CS96LW
SCCF-3.25-SH	CCF-3 1/4-SB	CRSBC-52	CS104LW
SCCF-3.50-SH	CCF-3 1/2-SB	CRSBC-56	CS112LW
SCCF-4.00-SH	CCF-4-SB	CRSBC-64	CS128LW
SCCF-5.00-SH	CCF-5-S	CRSBC-80	CS160LW
SCCF-6.00-SH	CCF-6-S	CRSBC-96	CS192LW
SCCF-7.00-SH	CCF-7-S	CRSBC-112	CS224LW
SCCF-8.00-SH	CCF-8-S	N/A	N/A
SCCF-9.00-SH	CCF-9-S	N/A	N/A
SCCF-10.00-SH	CCF-10-S	N/A	N/A

Eccentric Cam Followers Crowned O.D. - Unsealed - Hex Socket			
PCI Part Number	McGill	Torrington	RBC
SCCFE-2.00-H	CCFE-2-B	CRBCE-32	N/A
SCCFE-2.25-H	CCFE-2 1/4-B	CRBCE-36	
SCCFE-2.50-H	CCFE-2 1/2-B	CRBCE-40	
SCCFE-2.75-H	CCFE-2 3/4-B	CRBCE-44	
SCCFE-3.00-H	CCFE-3-B	CRBCE-48	
SCCFE-3.25-H	CCFE-3 1/4-B	CRBCE-52	
SCCFE-3.50-H	CCFE-3 1/2-B	CRBCE-56	
SCCFE-4.00-H	CCFE-4-B	CRBCE-64	

Eccentric Cam Followers Crowned O.D. - Sealed - Hex Socket			
PCI Part Number	McGill	Torrington	RBC
SCCFE-2.00-SH	CCFE-2-SB	CRSBCE-32	CS64LWX
SCCFE-2.25-SH	CCFE-2 1/4-SB	CRSBCE-36	CS72LWX
SCCFE-2.50-SH	CCFE-2 1/2-SB	CRSBCE-40	CS80LWX
SCCFE-2.75-SH	CCFE-2 3/4-SB	CRSBCE-44	CS88LWX
SCCFE-3.00-SH	CCFE-3-SB	CRSBCE-48	CS96LWX
SCCFE-3.25-SH	CCFE-3 1/4-SB	CRSBCE-52	CS104LWX
SCCFE-3.50-SH	CCFE-3 1/2-SB	CRSBCE-56	CS112LWX
SCCFE-4.00-SH	CCFE-4-SB	CRSBCE-64	CS128LWX

These charts are provided to compare the interchangeability of cam followers made by various manufacturers. Please note that all manufacturers do not have the same dimensions and specifications. Ask your **PCI** sales engineer for assistance in comparing dimensions critical for specific applications.



Cam Follower Interchange Charts

STUD TYPE

Heavy Stud Cam Followers Unsealed			
PCI Part Number	McGill	RBC	Torrington
HCF-2.00	CFH-2	H64	N/A
HCF-2.25	CFH-2 1/4	H72	
HCF-2.50	CFH-2 1/2	H80	
HCF-2.75	CFH-2 3/4	H88	
HCF-3.00	CFH-3	H96	
HCF-3.25	CFH-3 1/4	H104	
HCF-3.50	CFH-3 1/2	H112	
HCF-4.00	CFH-4	H128	

Heavy Stud Cam Followers Sealed			
PCI Part Number	McGill	RBC	Torrington
HCF-2.00-S	CFH-2-S	H64L	N/A
HCF-2.25-S	CFH-2 1/4-S	H72L	
HCF-2.50-S	CFH-2 1/2-S	H80L	
HCF-2.75-S	CFH-2 3/4-S	H88L	
HCF-3.00-S	CFH-3-S	H96L	
HCF-3.25-S	CFH-3 1/4-S	H104L	
HCF-3.50-S	CFH-3 1/2-S	H112L	
HCF-4.00-S	CFH-4-S	H128L	

Heavy Stud Cam Followers Unsealed - Hex Socket			
PCI Part Number	McGill	RBC	Torrington
HCF-2.00-H	CFH-2-B	N/A	N/A
HCF-2.25-H	CFH-2 1/4-B		
HCF-2.50-H	CFH-2 1/2-B		
HCF-2.75-H	CFH-2 3/4-B		
HCF-3.00-H	CFH-3-B		
HCF-3.25-H	CFH-3 1/4-B		
HCF-3.50-H	CFH-3 1/2-B		
HCF-4.00-H	CFH-4-B		
HCF-5.00-H	CFH-5		
HCF-6.00-H	CFH-6		
HCF-7.00-H	CFH-7		

Heavy Stud Cam Followers Sealed - Hex Socket			
PCI Part Number	McGill	RBC	Torrington
HCF-2.00-SH	CFH-2-SB	H64LW	N/A
HCF-2.25-SH	CFH-2 1/4-SB	H72LW	
HCF-2.50-SH	CFH-2 1/2-SB	H80LW	
HCF-2.75-SH	CFH-2 3/4-SB	H88LW	
HCF-3.00-SH	CFH-3-SB	H96LW	
HCF-3.25-SH	CFH-3 1/4-SB	H104LW	
HCF-3.50-SH	CFH-3 1/2-SB	H112LW	
HCF-4.00-SH	CFH-4-SB	H128LW	
HCF-5.00-SH	CFH-5-S	H160LW	
HCF-6.00-SH	CFH-6-S	H192LW	
HCF-7.00-SH	CFH-7-S	H224LW	

Heavy Stud Cam Followers Crowned O.D. - Unsealed			
PCI Part Number	McGill	RBC	Torrington
HCCF-2.00	CCFH-2	N/A	N/A
HCCF-2.25	CCFH-2 1/4		
HCCF-2.50	CCFH-2 1/2		
HCCF-2.75	CCFH-2 3/4		
HCCF-3.00	CCFH-3		
HCCF-3.25	CCFH-3 1/4		
HCCF-3.50	CCFH-3 1/2		
HCCF-4.00	CCFH-4		

Heavy Stud Cam Followers Crowned O.D. - Sealed			
PCI Part Number	McGill	RBC	Torrington
HCCF-2.00-S	CCFH-2-S	CH64L	N/A
HCCF-2.25-S	CCFH-2 1/4-S	CH72L	
HCCF-2.50-S	CCFH-2 1/2-S	CH80L	
HCCF-2.75-S	CCFH-2 3/4-S	CH88L	
HCCF-3.00-S	CCFH-3-S	CH96L	
HCCF-3.25-S	CCFH-3 1/4-S	CH104L	
HCCF-3.50-S	CCFH-3 1/2-S	CH112L	
HCCF-4.00-S	CCFH-4-S	CH128L	

Heavy Stud Cam Followers Crowned O.D. - Unsealed - Hex Socket			
PCI Part Number	McGill	RBC	Torrington
HCCF-2.00-H	CCFH-2-B	N/A	N/A
HCCF-2.25-H	CCFH-2 1/4-B		
HCCF-2.50-H	CCFH-2 1/2-B		
HCCF-2.75-H	CCFH-2 3/4-B		
HCCF-3.00-H	CCFH-3-B		
HCCF-3.25-H	CCFH-3 1/4-B		
HCCF-3.50-H	CCFH-3 1/2-B		
HCCF-4.00-H	CCFH-4-B		
HCCF-5.00-H	CCFH-5		
HCCF-6.00-H	CCFH-6		
HCCF-7.00-H	CCFH-7		

Heavy Stud Cam Followers Crowned O.D. - Sealed - Hex Socket			
PCI Part Number	McGill	RBC	Torrington
HCCF-2.00-SH	CCFH-2-SB	CH64LW	N/A
HCCF-2.25-SH	CCFH-2 1/4-SB	CH72LW	
HCCF-2.50-SH	CCFH-2 1/2-SB	CH80LW	
HCCF-2.75-SH	CCFH-2 3/4-SB	CH88LW	
HCCF-3.00-SH	CCFH-3-SB	CH96LW	
HCCF-3.25-SH	CCFH-3 1/4-SB	CH104LW	
HCCF-3.50-SH	CCFH-3 1/2-SB	CH112LW	
HCCF-4.00-SH	CCFH-4-SB	CH128LW	
HCCF-5.00-SH	CCFH-5-S	CH160LW	
HCCF-6.00-SH	CCFH-6-S	CH192LW	
HCCF-7.00-SH	CCFH-7-S	CH224LW	

These charts are provided to compare the interchangeability of cam followers made by various manufacturers. Please note that all manufacturers do not have the same dimensions and specifications. Ask your **PCI** sales engineer for assistance in comparing dimensions critical for specific applications.

YOKE TYPE

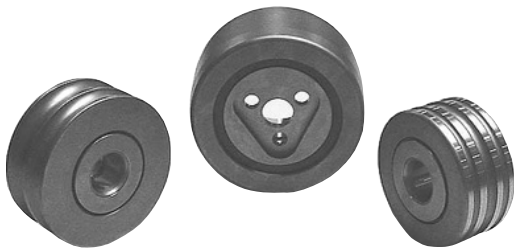
Yoke Cam Followers Unsealed			
PCI Part Number	McGill	Torrington	RBC
YCF-2.00	CYR-2	YCR-32	Y64
YCF-2.25	CYR-2 1/4	YCR-36	Y72
YCF-2.50	CYR-2 1/2	YCR-40	Y80
YCF-2.75	CYR-2 3/4	YCR-44	Y88
YCF-3.00	CYR-3	YCR-48	Y96
YCF-3.25	CYR-3 1/4	YCR-52	Y104
YCF-3.50	CYR-3 1/2	YCR-56	Y112
YCF-4.00	CYR-4	YCR-64	Y128
YCF-5.00	CYR-5	N/A	Y160
YCF-6.00	CYR-6	N/A	Y196
YCF-7.00	CYR-7	N/A	Y224
YCF-8.00	CYR-8	N/A	N/A
YCF-9.00	CYR-9	N/A	N/A
YCF-10.00	CYR-10	N/A	N/A

Yoke Cam Followers Crowned O.D. - Unsealed			
PCI Part Number	McGill	Torrington	RBC
YCCF-2.00	CCYR-2	YCRC-32	N/A
YCCF-2.25	CCYR-2 1/4	YCRC-36	
YCCF-2.50	CCYR-2 1/2	YCRC-40	
YCCF-2.75	CCYR-2 3/4	YCRC-44	
YCCF-3.00	CCYR-3	YCRC-48	
YCCF-3.25	CCYR-3 1/4	YCRC-52	
YCCF-3.50	CCYR-3 1/2	YCRC-56	
YCCF-4.00	CCYR-4	YCRC-64	
YCCF-5.00	CCYR-5	N/A	
YCCF-6.00	CCYR-6	N/A	
YCCF-7.00	CCYR-7	N/A	
YCCF-8.00	CCYR-8	N/A	
YCCF-9.00	CCYR-9	N/A	
YCCF-10.00	CCYR-10	N/A	

Yoke Cam Followers Sealed			
PCI Part Number	McGill	Torrington	RBC
YCF-2.00-S	CYR-2-S	YCRS-32	Y64L
YCF-2.25-S	CYR-2 1/4-S	YCRS-36	Y72L
YCF-2.50-S	CYR-2 1/2-S	YCRS-40	Y80L
YCF-2.75-S	CYR-2 3/4-S	YCRS-41	Y88L
YCF-3.00-S	CYR-3-S	YCRS-48	Y96L
YCF-3.25-S	CYR-3 1/4-S	YCRS-52	Y104L
YCF-3.50-S	CYR-3 1/2-S	YCRS-56	Y112L
YCF-4.00-S	CYR-4-S	YCRS-64	Y128L
YCF-5.00-S	CYR-5-S	YCRS-80	Y160L
YCF-6.00-S	CYR-6-S	YCRS-96	Y192L
YCF-7.00-S	CYR-7-S	YCRS-112	Y224L
YCF-8.00-S	CRY-8-S	N/A	N/A
YCF-9.00-S	CRY-9-S	N/A	N/A
YCF-10.00-S	CRY-10-S	N/A	N/A

Yoke Cam Followers Crowned O.D. - Sealed			
PCI Part Number	McGill	Torrington	RBC
YCCF-2.00-S	CCYR-2-S	YCRSC-32	CY64L
YCCF-2.25-S	CCYR-2 1/4-S	YCRSC-36	CY72L
YCCF-2.50-S	CCYR-2 1/2-S	YCRSC-40	CY80L
YCCF-2.75-S	CCYR-2 3/4-S	YCRSC-44	CY88L
YCCF-3.00-S	CCYR-3-S	YCRSC-48	CY96L
YCCF-3.25-S	CCYR-3 1/4-S	YCRSC-52	CY104L
YCCF-3.50-S	CCYR-3 1/2-S	YCRSC-56	CY112L
YCCF-4.00-S	CCYR-4-S	YCRSC-64	CY128L
YCCF-5.00-S	CCYR-5-S	YCRSC-80	CY160L
YCCF-6.00-S	CCYR-6-S	YCRSC-96	CY192L
YCCF-7.00-S	CCYR-7-S	YCRSC-112	CY224L
YCCF-8.00-S	CCRY-8-S	N/A	N/A
YCCF-9.00-S	CCRY-9-S	N/A	N/A
YCCF-10.00-S	CCRY-10-S	N/A	N/A

These charts are provided to compare the interchangeability of cam followers made by various manufacturers. Please note that all manufacturers do not have the same dimensions and specifications. Ask your **PCI** sales engineer for assistance in comparing dimensions critical for specific applications.



Special Cam Followers

Special Cam Followers

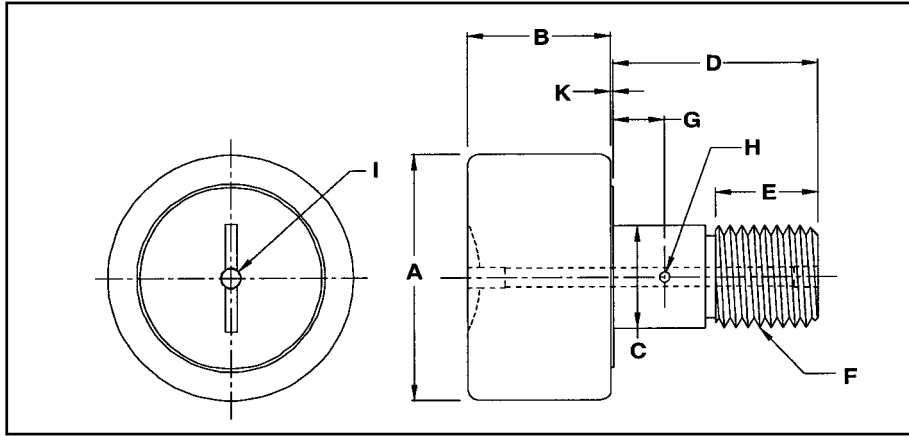
If you have an application that requires a special roller size or configuration that is not in this catalog, we can meet your specifications. **PCI** is ready and committed to helping you satisfy your specific cam follower requirements.

Please call **1-800-323-0966**.

PCI "SCF" Series - Cam Follower

Stud Type

Sealed & Unsealed



Standard Stud Type Cam Followers effectively carry radial loads. The screwdriver slot provides adequate installation torque for most applications.

PCI Unsealed Brg. Number	PCI Sealed Brg. Number	A Roller Dia. +.000/- .001	B Roller Width	C Stud Dia. +.000/- .001	D Stud Length	E Thread Length	F Fine Thread	G Hole Location	H Hole Dia.	I Lube Size	K Shoulder Clearance
SCF-2.00	SCF-2.00-S	2.000	1.250	.875	2.000	1.000	7/8-14	.500	.125	.188	.031
SCF-2.25	SCF-2.25-S	2.250	1.250	.875	2.000	1.000	7/8-14	.500	.125	.188	.031
SCF-2.50	SCF-2.50-S	2.500	1.500	1.000	2.250	1.125	1-14	.563	.125	.188	.031
SCF-2.75	SCF-2.75-S	2.750	1.500	1.000	2.250	1.125	1-14	.563	.125	.188	.031
SCF-3.00	SCF-3.00-S	3.000	1.750	1.250	2.500	1.250	1 1/4-12	.625	.125	.250	.031
SCF-3.25	SCF-3.25-S	3.250	1.750	1.250	2.500	1.250	1 1/4-12	.625	.125	.250	.031
SCF-3.50	SCF-3.50-S	3.500	2.000	1.375	2.750	1.375	1 3/8-12	.688	.125	.250	.031
SCF-4.00	SCF-4.00-S	4.000	2.250	1.500	3.500	1.500	1 1/2-12	.750	.125	.250	.031

Hex socket is standard on SCF-5.00-H and larger. See page 34.

PCI Unsealed Brg. Number	PCI Sealed Brg. Number	Basic Static Load Rating	Basic Dynamic Load Rating	Max. Suggested Static Load	Min. Boss Dia.	Max. Clamping Torque (Dry)* (in.-lbs.)	Approx. Weight (lbs.)
SCF-2.00	SCF-2.00-S	21,140	8,090	10,000	1.250	1500	1.31
SCF-2.25	SCF-2.25-S	21,140	8,090	10,000	1.250	1500	1.60
SCF-2.50	SCF-2.50-S	32,900	11,720	12,570	1.375	2250	2.45
SCF-2.75	SCF-2.75-S	32,900	11,720	12,570	1.375	2250	2.87
SCF-3.00	SCF-3.00-S	49,820	17,620	21,200	1.750	3450	4.10
SCF-3.25	SCF-3.25-S	49,820	17,620	21,200	1.750	3450	4.71
SCF-3.50	SCF-3.50-S	63,250	23,630	24,700	2.000	4200	6.32
SCF-4.00	SCF-4.00-S	89,540	30,270	28,700	2.250	5000	9.40

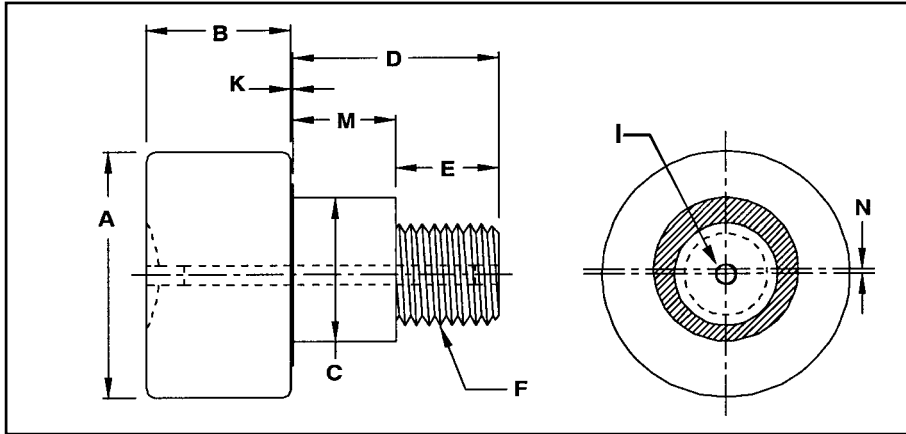
Lock washers, jam nuts and grease fittings available at an additional cost.

* If threads are lubricated, use 1/2 of the value shown.

PCI "SCFE" Series - Cam Follower

Stud Type

Sealed & Unsealed - Eccentric



Eccentric Stud Type Cam Followers provide an easy means of precise positioning, eliminating the need for close tolerance of mounting holes in the mounting rail, and allowing equal loading of multiple cam followers. The screwdriver slot provides adequate installation torque for most applications. Typically, the jam nut will hold the cam follower in position, but eccentric bushings may be machined for permanent positioning with set screws or dowel pins in severe applications.

PCI Unsealed Brg. Number	PCI Sealed Brg. Number	A Roller Dia. +.000/- .001	B Roller Width	C Bush. Dia. +.000/- .001	D Stud Length	E Thread Length	F Fine Thread	I Lube Size	K Shoulder Clearance	M Bush. Length +.000/- .010	N Eccentric Offset
SCFE-2.00	SCFE-2.00-S	2.000	1.250	1.187	2.000	1.000	7/8-14	.188	.031	1.000	.030
SCFE-2.25	SCFE-2.25-S	2.250	1.250	1.187	2.000	1.000	7/8-14	.188	.031	1.000	.030
SCFE-2.50	SCFE-2.50-S	2.500	1.500	1.375	2.250	1.125	1-14	.188	.031	1.125	.030
SCFE-2.75	SCFE-2.75-S	2.750	1.500	1.375	2.250	1.125	1-14	.188	.031	1.125	.030
SCFE-3.00	SCFE-3.00-S	3.000	1.750	1.750	2.500	1.250	1 1/4-12	.250	.031	1.250	.060
SCFE-3.25	SCFE-3.25-S	3.250	1.750	1.750	2.500	1.250	1 1/4-12	.250	.031	1.250	.060
SCFE-3.50	SCFE-3.50-S	3.500	2.000	1.812	2.750	1.375	1 3/8-12	.250	.031	1.375	.060
SCFE-4.00	SCFE-4.00-S	4.000	2.250	2.000	3.500	1.500	1 1/2-12	.250	.031	1.500	.060

PCI Unsealed Brg. Number	PCI Sealed Brg. Number	Basic Static Load Rating	Basic Dynamic Load Rating	Max. Suggested Static Load	Min. Boss Dia.	Max. Clamping Torque (Dry)* (in.-lbs.)	Approx. Weight (lbs.)
SCFE-2.00	SCFE-2.00-S	21,140	8,090	10,000	1.500	1500	1.45
SCFE-2.25	SCFE-2.25-S	21,140	8,090	10,000	1.500	1500	1.74
SCFE-2.50	SCFE-2.50-S	32,900	11,720	12,570	1.750	2250	2.67
SCFE-2.75	SCFE-2.75-S	32,900	11,720	12,570	1.750	2250	3.09
SCFE-3.00	SCFE-3.00-S	49,820	17,620	21,200	2.125	3450	4.43
SCFE-3.25	SCFE-3.25-S	49,820	17,620	21,200	2.125	3450	5.04
SCFE-3.50	SCFE-3.50-S	63,250	23,630	24,700	2.500	4200	6.74
SCFE-4.00	SCFE-4.00-S	89,540	30,270	28,700	2.750	5000	10.17

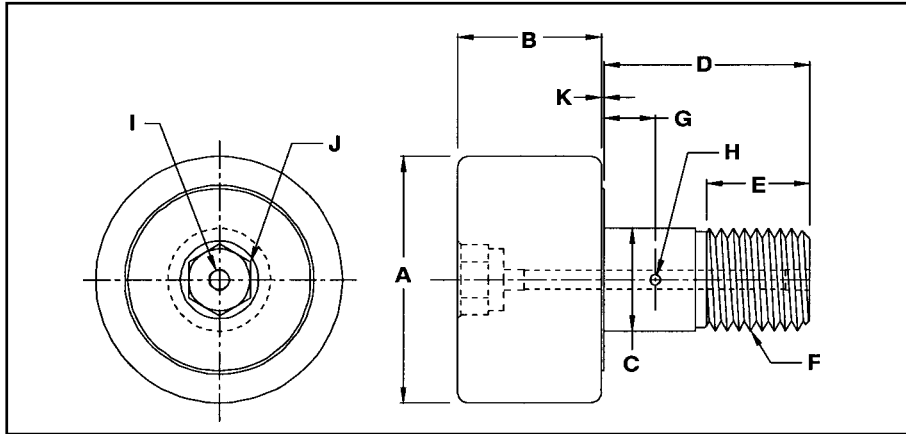
Lock washers, jam nuts and grease fittings available at an additional cost.

* If threads are lubricated, use 1/2 of the value shown.

PCI "SCF-H" Series - Cam Follower

Stud Type

Sealed & Unsealed - Hex



Standard Stud Type Cam Followers effectively carry radial loads. The hex socket provides additional installation torque for use with self-locking nuts and blind hole mounting, plus makes installation easier.

PCI Unsealed Brg. Number	PCI Sealed Brg. Number	A Roller Dia. +.000/-001	B Roller Width	C Stud Dia. +.000/-001	D Stud Length	E Thread Length	F Fine Thread	G Hole Location	H Hole Dia.	I Lube Size	J Hex Size	K Shoulder Clearance
SCF-2.00-H	SCF-2.00-SH	2.000	1.250	.875	2.000	1.000	7/8-14	.500	.125	.188*	7/16	.031
SCF-2.25-H	SCF-2.25-SH	2.250	1.250	.875	2.000	1.000	7/8-14	.500	.125	.188*	7/16	.031
SCF-2.50-H	SCF-2.50-SH	2.500	1.500	1.000	2.250	1.125	1-14	.563	.125	.188*	1/2	.031
SCF-2.75-H	SCF-2.75-SH	2.750	1.500	1.000	2.250	1.125	1-14	.563	.125	.188*	1/2	.031
SCF-3.00-H	SCF-3.00-SH	3.000	1.750	1.250	2.500	1.250	1 1/4-12	.625	.125	.250	3/4	.031
SCF-3.25-H	SCF-3.25-SH	3.250	1.750	1.250	2.500	1.250	1 1/4-12	.625	.125	.250	3/4	.031
SCF-3.50-H	SCF-3.50-SH	3.500	2.000	1.375	2.750	1.375	1 3/8-12	.688	.125	.250	3/4	.031
SCF-4.00-H	SCF-4.00-SH	4.000	2.250	1.500	3.500	1.500	1 1/2-12	.750	.125	.250	3/4	.031
SCF-5.00-H	SCF-5.00-SH	5.000	2.750	2.000	5.063	2.563	2-12	.875	.188	1/4 NPT	7/8	.063
SCF-6.00-H	SCF-6.00-SH	6.000	3.250	2.500	6.000	3.000	2 1/2-12	1.000	.188	1/4 NPT	1	.063
SCF-7.00-H	SCF-7.00-SH	7.000	3.750	3.000	7.688	4.125	3-12	1.250	.188	1/4 NPT	1 1/4	.063
SCF-8.00-H	SCF-8.00-SH	8.000	4.250	3.255	8.500	4.250	3 1/4-4 UNC	N/A	N/A	1/4 NPT	1 1/4	.125**
SCF-9.00-H	SCF-9.00-SH	9.000	4.750	3.755	9.500	4.750	3 1/2-4 UNC	N/A	N/A	1/4 NPT	1 1/4	.125**
SCF-10.00-H	SCF-10.00-SH	10.000	5.250	4.255	10.000	4.750	3 1/2-4 UNC	N/A	N/A	1/4 NPT	1 1/4	.125**

* Lubrication through threaded end and cross hole only.

** Opposite flange extends .750 in. past the roller body.

PCI Unsealed Brg. Number	PCI Sealed Brg. Number	Basic Static Load Rating	Basic Dynamic Load Rating	Max. Suggested Static Load	Min. Boss Dia.	Max. Clamping Torque (Dry)* (in.-lbs.)	Approx. Weight (lbs.)
SCF-2.00-H	SCF-2.00-SH	21,140	8,090	10,000	1.250	1500	1.31
SCF-2.25-H	SCF-2.25-SH	21,140	8,090	10,000	1.250	1500	1.60
SCF-2.50-H	SCF-2.50-SH	32,900	11,720	12,570	1.375	2250	2.45
SCF-2.75-H	SCF-2.75-SH	32,900	11,720	12,570	1.375	2250	2.87
SCF-3.00-H	SCF-3.00-SH	49,820	17,620	21,200	1.750	3450	4.10
SCF-3.25-H	SCF-3.25-SH	49,820	17,620	21,200	1.750	3450	4.71
SCF-3.50-H	SCF-3.50-SH	63,250	23,630	24,700	2.000	4200	6.32
SCF-4.00-H	SCF-4.00-SH	89,540	30,270	28,700	2.250	5000	9.40
SCF-5.00-H	SCF-5.00-SH	135,900	53,590	54,600	2.875	5000	18.93
SCF-6.00-H	SCF-6.00-SH	160,900	61,690	90,900	3.375	5000	32.80
SCF-7.00-H	SCF-7.00-SH	213,860	81,860	136,800	3.875	5000	53.74
SCF-8.00-H	SCF-8.00-SH	288,200	111,400	149,800	4.750	5000	86.33
SCF-9.00-H	SCF-9.00-SH	366,860	151,400	207,100	5.438	5000	121.03
SCF-10.00-H	SCF-10.00-SH	431,130	160,480	274,100	5.938	5000	157.90

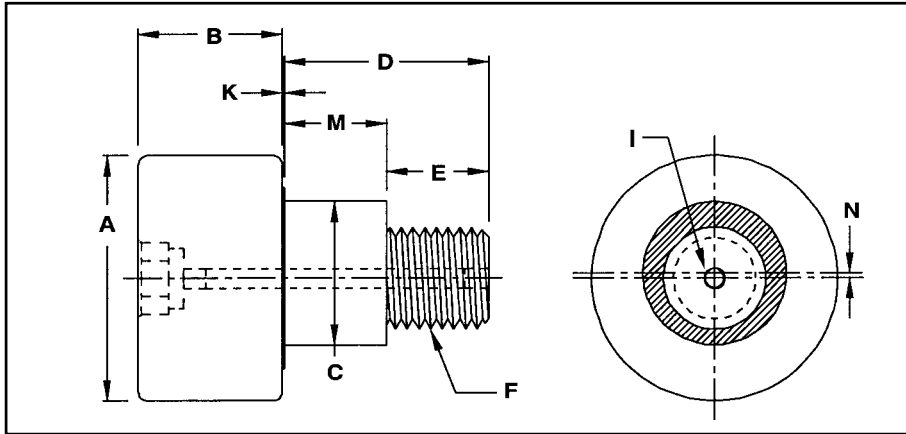
Lock washers, jam nuts and grease fittings available at an additional cost.

* If threads are lubricated, use 1/2 of the value shown.

PCI "SCFE-H" Series - Cam Follower

Stud Type

Sealed & Unsealed - Eccentric - Hex



Eccentric Stud Type Cam Followers provide an easy means of precise positioning, eliminating the need for close tolerance of mounting holes in the mounting rail, and allowing equal loading of multiple cam followers. The hex socket provides additional installation torque for use with self-locking nuts and makes adjustment easier. Typically, the jam nut will hold the cam follower in position, but eccentric bushings may be machined for permanent positioning with set screws or dowel pins in severe applications.

PCI Unsealed Brg. Number	PCI Sealed Brg. Number	A Roller Dia. +.000/- .001	B Roller Width	C Bush. Dia. +.000/- .001	D Stud Length	E Thread Length	F Fine Thread	I Lube Size	J Hex Size	K Shoulder Clearance	M Bush. Length	N Eccentric Offset
SCFE-2.00-H	SCFE-2.00-SH	2.000	1.250	1.187	2.000	1.000	7/8-14	.188*	7/16	.031	1.000	.030
SCFE-2.25-H	SCFE-2.25-SH	2.250	1.250	1.187	2.000	1.000	7/8-14	.188*	7/16	.031	1.000	.030
SCFE-2.50-H	SCFE-2.50-SH	2.500	1.500	1.375	2.250	1.125	1-14	.188*	1/2	.031	1.125	.030
SCFE-2.75-H	SCFE-2.75-SH	2.750	1.500	1.375	2.250	1.125	1-14	.188*	1/2	.031	1.125	.030
SCFE-3.00-H	SCFE-3.00-SH	3.000	1.750	1.750	2.500	1.250	1 1/4-12	.250	3/4	.031	1.250	.060
SCFE-3.25-H	SCFE-3.25-SH	3.250	1.750	1.750	2.500	1.250	1 1/4-12	.250	3/4	.031	1.250	.060
SCFE-3.50-H	SCFE-3.50-SH	3.500	2.000	1.812	2.750	1.375	1 3/8-12	.250	3/4	.031	1.375	.060
SCFE-4.00-H	SCFE-4.00-SH	4.000	2.250	2.000	3.500	1.500	1 1/2-12	.250	3/4	.031	1.500	.060

* Lubrication through threaded end only.

PCI Unsealed Brg. Number	PCI Sealed Brg. Number	Basic Static Load Rating	Basic Dynamic Load Rating	Max. Suggested Static Load	Min. Boss Dia.	Max. Clamping Torque (Dry)* (in.-lbs.)	Approx. Weight (lbs.)
SCFE-2.00-H	SCFE-2.00-SH	21,140	8,090	10,000	1.500	1500	1.45
SCFE-2.25-H	SCFE-2.25-SH	21,140	8,090	10,000	1.500	1500	1.74
SCFE-2.50-H	SCFE-2.50-SH	32,900	11,720	12,570	1.750	2250	2.67
SCFE-2.75-H	SCFE-2.75-SH	32,900	11,720	12,570	1.750	2250	3.09
SCFE-3.00-H	SCFE-3.00-SH	49,820	17,620	21,200	2.125	3450	4.43
SCFE-3.25-H	SCFE-3.25-SH	49,820	17,620	21,200	2.125	3450	5.04
SCFE-3.50-H	SCFE-3.50-SH	63,250	23,630	24,700	2.500	4200	6.74
SCFE-4.00-H	SCFE-4.00-SH	89,540	30,270	28,700	2.750	5000	10.17

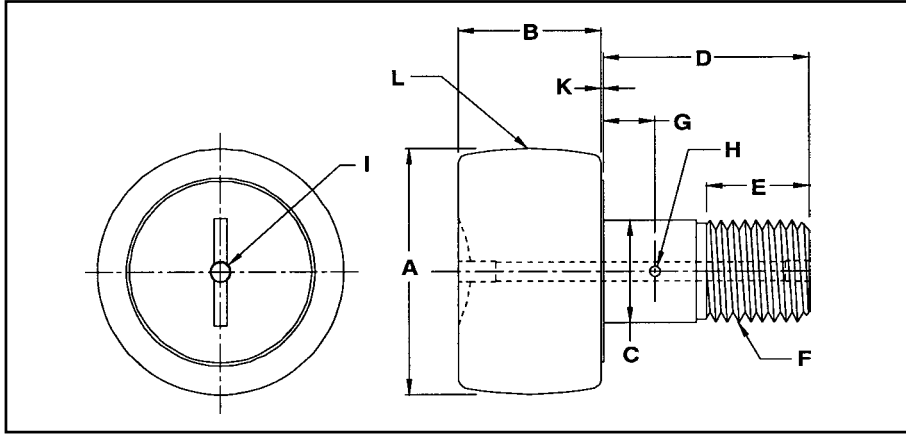
Lock washers, jam nuts and grease fittings available at an additional cost.

* If threads are lubricated, use 1/2 of the value shown.

PCI "SCCF" Series - Cam Follower

Stud Type

Sealed & Unsealed - Crowned



Standard Stud Type Cam Followers effectively carry radial loads. The screwdriver slot provides adequate installation torque for most applications. The crowned roller body reduces the effects of misalignment.

PCI Unsealed Brg. Number	PCI Sealed Brg. Number	A Roller Dia. +.000/- .001	B Roller Width	C Stud Dia. +.000/- .001	D Stud Length	E Thread Length	F Fine Thread	G Hole Location	H Hole Dia.	I Lube Size	K Shoulder Clearance	L Crown Radius
SCCF-2.00	SCCF-2.00-S	2.000	1.250	.875	2.000	1.000	7/8-14	.500	.125	.188	.031	24
SCCF-2.25	SCCF-2.25-S	2.250	1.250	.875	2.000	1.000	7/8-14	.500	.125	.188	.031	24
SCCF-2.50	SCCF-2.50-S	2.500	1.500	1.000	2.250	1.125	1-14	.563	.125	.188	.031	30
SCCF-2.75	SCCF-2.75-S	2.750	1.500	1.000	2.250	1.125	1-14	.563	.125	.188	.031	30
SCCF-3.00	SCCF-3.00-S	3.000	1.750	1.250	2.500	1.250	1 1/4-12	.625	.125	.250	.031	30
SCCF-3.25	SCCF-3.25-S	3.250	1.750	1.250	2.500	1.250	1 1/4-12	.625	.125	.250	.031	30
SCCF-3.50	SCCF-3.50-S	3.500	2.000	1.375	2.750	1.375	1 3/8-12	.688	.125	.250	.031	30
SCCF-4.00	SCCF-4.00-S	4.000	2.250	1.500	3.500	1.500	1 1/2-12	.750	.125	.250	.031	30

Hex socket is standard on SCCF-5.00-H and larger. See page 38.

PCI Unsealed Brg. Number	PCI Sealed Brg. Number	Basic Static Load Rating	Basic Dynamic Load Rating	Max. Suggested Static Load	Min. Boss Dia.	Max. Clamping Torque (Dry)* (in.-lbs.)	Approx. Weight (lbs.)
SCCF-2.00	SCCF-2.00-S	21,140	8,090	10,000	1.250	1500	1.31
SCCF-2.25	SCCF-2.25-S	21,140	8,090	10,000	1.250	1500	1.60
SCCF-2.50	SCCF-2.50-S	32,900	11,720	12,570	1.375	2250	2.45
SCCF-2.75	SCCF-2.75-S	32,900	11,720	12,570	1.375	2250	2.87
SCCF-3.00	SCCF-3.00-S	49,820	17,620	21,200	1.750	3450	4.10
SCCF-3.25	SCCF-3.25-S	49,820	17,620	21,200	1.750	3450	4.71
SCCF-3.50	SCCF-3.50-S	63,250	23,630	24,700	2.000	4200	6.32
SCCF-4.00	SCCF-4.00-S	89,540	30,270	28,700	2.250	5000	9.40

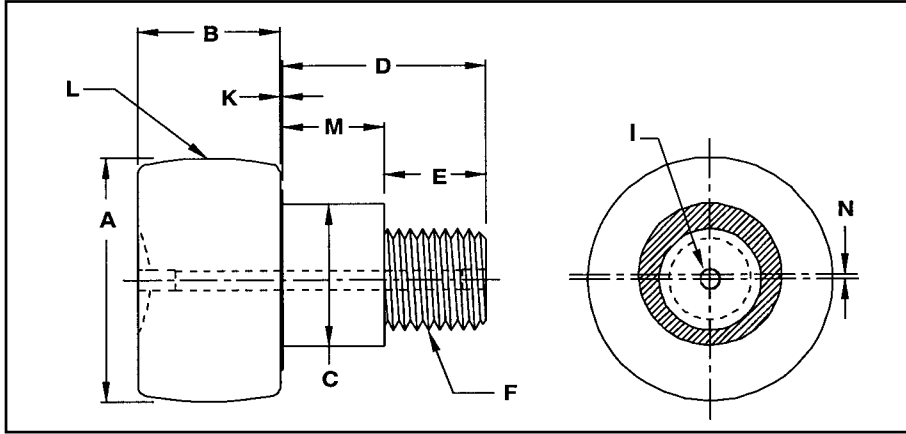
Lock washers, jam nuts and grease fittings available at an additional cost.

* If threads are lubricated, use 1/2 of the value shown.

PCI "SCCFE" Series - Cam Follower

Stud Type

Sealed & Unsealed - Eccentric - Crowned



Eccentric Stud Type Cam Followers provide an easy means of precise positioning, eliminating the need for close tolerance of mounting holes in the mounting rail, and allowing equal loading of multiple cam followers. The screwdriver slot provides adequate installation torque for most applications. The crowned roller body reduces the effects of misalignment. Typically, the jam nut will hold the cam follower in position, but eccentric bushings may be machined for permanent positioning with set screws or dowel pins in severe applications.

PCI Unsealed Brg. Number	PCI Sealed Brg. Number	A Roller Dia. +.000/- .001	B Roller Width	C Bush. Dia. +.000/- .001	D Stud Length	E Thread Length	F Fine Thread	I Lube Size	K Shoulder Clearance	L Crown Radius	M Bush. Length	N Eccentric Offset
SCCFE-2.00	SCCFE-2.00-S	2.000	1.250	1.187	2.000	1.000	7/8-14	.188	.031	24	1.000	.030
SCCFE-2.25	SCCFE-2.25-S	2.250	1.250	1.187	2.000	1.000	7/8-14	.188	.031	24	1.000	.030
SCCFE-2.50	SCCFE-2.50-S	2.500	1.500	1.375	2.250	1.125	1-14	.188	.031	30	1.125	.030
SCCFE-2.75	SCCFE-2.75-S	2.750	1.500	1.375	2.250	1.125	1-14	.188	.031	30	1.125	.030
SCCFE-3.00	SCCFE-3.00-S	3.000	1.750	1.750	2.500	1.250	1 1/4-12	.250	.031	30	1.250	.060
SCCFE-3.25	SCCFE-3.25-S	3.250	1.750	1.750	2.500	1.250	1 1/4-12	.250	.031	30	1.250	.060
SCCFE-3.50	SCCFE-3.50-S	3.500	2.000	1.812	2.750	1.375	1 3/8-12	.250	.031	30	1.375	.060
SCCFE-4.00	SCCFE-4.00-S	4.000	2.250	2.000	3.500	1.500	1 1/2-12	.250	.031	30	1.500	.060

PCI Unsealed Brg. Number	PCI Sealed Brg. Number	Basic Static Load Rating	Basic Dynamic Load Rating	Max. Suggested Static Load	Min. Boss Dia.	Max. Clamping Torque (Dry)* (in.-lbs.)	Approx. Weight (lbs.)
SCCFE-2.00	SCCFE-2.00-S	21,140	8,090	10,000	1.500	1500	1.45
SCCFE-2.25	SCCFE-2.25-S	21,140	8,090	10,000	1.500	1500	1.74
SCCFE-2.50	SCCFE-2.50-S	32,900	11,720	12,570	1.750	2250	2.67
SCCFE-2.75	SCCFE-2.75-S	32,900	11,720	12,570	1.750	2250	3.09
SCCFE-3.00	SCCFE-3.00-S	49,820	17,620	21,200	2.125	3450	4.43
SCCFE-3.25	SCCFE-3.25-S	49,820	17,620	21,200	2.125	3450	5.04
SCCFE-3.50	SCCFE-3.50-S	63,250	23,630	24,700	2.500	4200	6.74
SCCFE-4.00	SCCFE-4.00-S	89,540	30,270	28,700	2.750	5000	10.17

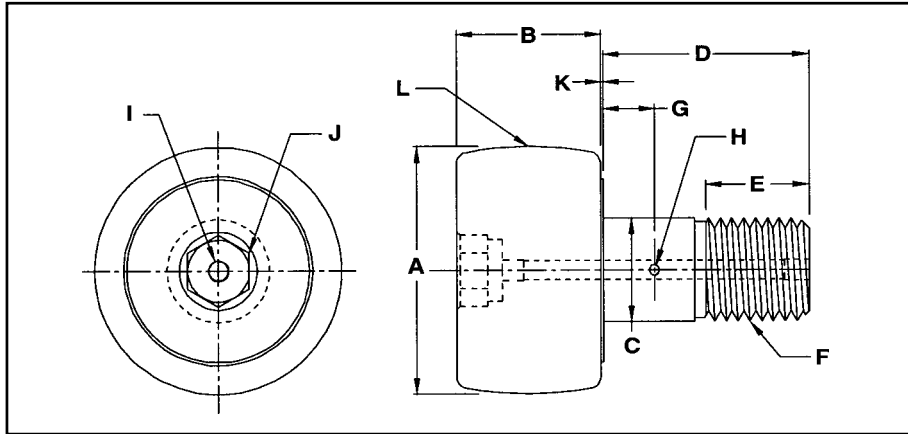
Lock washers, jam nuts and grease fittings available at an additional cost.

* If threads are lubricated, use 1/2 of the value shown.

PCI "SCCF-H" Series - Cam Follower

Stud Type

Sealed & Unsealed - Crowned - Hex



Standard Stud Type Cam Followers effectively carry radial loads. The hex socket provides additional installation torque for use with self-locking nuts and blind hole mounting, plus makes installation easier. The crowned roller body reduces the effects of misalignment.

PCI Unsealed Brg. Number	PCI Sealed Brg. Number	A Roller Dia. +.000/-001	B Roller Width	C Stud Dia. +.000/-001	D Stud Length	E Thread Length	F Fine Thread	G Hole Location	H Hole Dia.	I Lube Size	J Hex Size	K Shoulder Clearance	L Crown Radius
SCCF-2.00-H	SCCF-2.00-SH	2.000	1.250	.875	2.000	1.000	7/8-14	.500	.125	.188*	7/16	.031	24
SCCF-2.25-H	SCCF-2.25-SH	2.250	1.250	.875	2.000	1.000	7/8-14	.500	.125	.188*	7/16	.031	24
SCCF-2.50-H	SCCF-2.50-SH	2.500	1.500	1.000	2.250	1.125	1-14	.563	.125	.188*	1/2	.031	30
SCCF-2.75-H	SCCF-2.75-SH	2.750	1.500	1.000	2.250	1.125	1-14	.563	.125	.188*	1/2	.031	30
SCCF-3.00-H	SCCF-3.00-SH	3.000	1.750	1.250	2.500	1.250	1 1/4-12	.625	.125	.250	3/4	.031	30
SCCF-3.25-H	SCCF-3.25-SH	3.250	1.750	1.250	2.500	1.250	1 1/4-12	.625	.125	.250	3/4	.031	30
SCCF-3.50-H	SCCF-3.50-SH	3.500	2.000	1.375	2.750	1.375	1 3/8-12	.688	.125	.250	3/4	.031	30
SCCF-4.00-H	SCCF-4.00-SH	4.000	2.250	1.500	3.500	1.500	1 1/2-12	.750	.125	.250	3/4	.031	30
SCCF-5.00-H	SCCF-5.00-SH	5.000	2.750	2.000	5.063	2.563	2-12	.875	.188	1/4 NPT	7/8	.063	48
SCCF-6.00-H	SCCF-6.00-SH	6.000	3.250	2.500	6.000	3.000	2 1/2-12	1.000	.188	1/4 NPT	1	.063	56
SCCF-7.00-H	SCCF-7.00-SH	7.000	3.750	3.000	7.688	4.125	3-12	1.250	.188	1/4 NPT	1 1/4	.063	60
SCCF-8.00-H	SCCF-8.00-SH	8.000	4.250	3.255	8.500	4.250	3 1/4-4 UNC	N/A	N/A	1/4 NPT	1 1/4	.125**	40
SCCF-9.00-H	SCCF-9.00-SH	9.000	4.750	3.755	9.500	4.750	3 1/2-4 UNC	N/A	N/A	1/4 NPT	1 1/4	.125**	40
SCCF-10.00-H	SCCF-10.00-SH	10.000	5.250	4.255	10.000	4.750	3 1/2-4 UNC	N/A	N/A	1/4 NPT	1 1/4	.125**	40

* Lubrication through threaded end or cross hole only.

** Opposite flange extends .750 in. past the roller body.

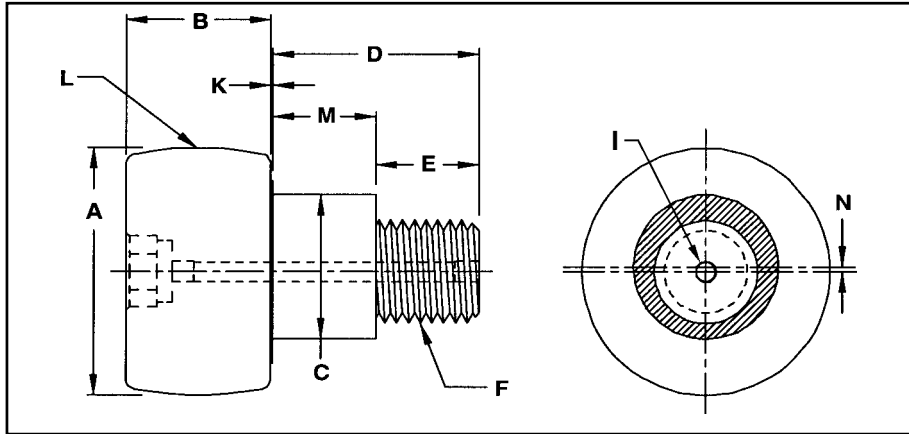
PCI Unsealed Brg. Number	PCI Sealed Brg. Number	Basic Static Load Rating	Basic Dynamic Load Rating	Max. Suggested Static Load	Min. Boss Dia.	Max. Clamping Torque (Dry)* (in.-lbs.)	Approx. Weight (lbs.)
SCCF-2.00-H	SCCF-2.00-SH	21,140	8,090	10,000	1.250	1500	1.31
SCCF-2.25-H	SCCF-2.25-SH	21,140	8,090	10,000	1.250	1500	1.60
SCCF-2.50-H	SCCF-2.50-SH	32,900	11,720	12,570	1.375	2250	2.45
SCCF-2.75-H	SCCF-2.75-SH	32,900	11,720	12,570	1.375	2250	2.87
SCCF-3.00-H	SCCF-3.00-SH	49,820	17,620	21,200	1.750	3450	4.10
SCCF-3.25-H	SCCF-3.25-SH	49,820	17,620	21,200	1.750	3450	4.71
SCCF-3.50-H	SCCF-3.50-SH	63,250	23,630	24,700	2.000	4200	6.32
SCCF-4.00-H	SCCF-4.00-SH	89,540	30,270	28,700	2.250	5000	9.40
SCCF-5.00-H	SCCF-5.00-SH	135,900	53,590	54,600	2.875	5000	18.93
SCCF-6.00-H	SCCF-6.00-SH	160,900	61,690	90,900	3.375	5000	32.80
SCCF-7.00-H	SCCF-7.00-SH	213,860	81,860	136,800	3.875	5000	53.74
SCCF-8.00-H	SCCF-8.00-SH	288,200	111,400	149,800	4.750	5000	86.33
SCCF-9.00-H	SCCF-9.00-SH	366,860	151,400	207,100	5.438	5000	121.03
SCCF-10.00-H	SCCF-10.00-SH	431,130	160,480	274,100	5.938	5000	157.90

Lock washers, jam nuts and grease fittings available at an additional cost.

* If threads are lubricated, use 1/2 of the value shown.

PCI "SCCFE-H" Series - Cam Follower Stud Type

Sealed & Unsealed - Eccentric - Crowned - Hex



Eccentric Stud Type Cam Followers provide an easy means of precise positioning, eliminating the need for close tolerance of mounting holes in the mounting rail, and allowing equal loading of multiple cam followers. The hex socket provides additional installation torque for use with self-locking nuts and ease of adjustment. The crowned roller body reduces the effects of misalignment. Typically, the jam nut will hold the cam follower in position, but eccentric bushings may be machined for permanent positioning with set screws or dowel pins in severe applications.

PCI Unsealed Brg. Number	PCI Sealed Brg. Number	A Roller Dia. +.000/- .001	B Roller Width	C Bush Dia. +.000/- .001	D Stud Length	E Thread Length	F Fine Thread	I Lube Size	J Hex Size	K Shoulder Clearance	L Crown Radius	M Bush Length	N Eccentric Offset
SCCFE-2.00-H	SCCFE-2.00-SH	2.000	1.250	1.187	2.000	1.000	7/8-14	.188*	7/16	.031	24	1.000	.030
SCCFE-2.25-H	SCCFE-2.25-SH	2.250	1.250	1.187	2.000	1.000	7/8-14	.188*	7/16	.031	24	1.000	.030
SCCFE-2.50-H	SCCFE-2.50-SH	2.500	1.500	1.375	2.250	1.125	1-14	.188*	1/2	.031	30	1.125	.030
SCCFE-2.75-H	SCCFE-2.75-SH	2.750	1.500	1.375	2.250	1.125	1-14	.188*	1/2	.031	30	1.125	.030
SCCFE-3.00-H	SCCFE-3.00-SH	3.000	1.750	1.750	2.500	1.250	1 1/4-12	.250	3/4	.031	30	1.250	.060
SCCFE-3.25-H	SCCFE-3.25-SH	3.250	1.750	1.750	2.500	1.250	1 1/4-12	.250	3/4	.031	30	1.250	.060
SCCFE-3.50-H	SCCFE-3.50-SH	3.500	2.000	1.812	2.750	1.375	1 3/8-12	.250	3/4	.031	30	1.375	.060
SCCFE-4.00-H	SCCFE-4.00-SH	4.000	2.250	2.000	3.500	1.500	1 1/2-12	.250	3/4	.031	30	1.500	.060

* Lubrication through threaded end only.

PCI Unsealed Brg. Number	PCI Sealed Brg. Number	Basic Static Load Rating	Basic Dynamic Load Rating	Max. Suggested Static Load	Min. Boss Dia.	Max. Clamping Torque (Dry)* (in.-lbs.)	Approx. Weight (lbs.)
SCCFE-2.00-H	SCCFE-2.00-SH	21,140	8,090	10,000	1.500	1500	1.45
SCCFE-2.25-H	SCCFE-2.25-SH	21,140	8,090	10,000	1.500	1500	1.74
SCCFE-2.50-H	SCCFE-2.50-SH	32,900	11,720	12,570	1.750	2250	2.67
SCCFE-2.75-H	SCCFE-2.75-SH	32,900	11,720	12,570	1.750	2250	3.09
SCCFE-3.00-H	SCCFE-3.00-SH	49,820	17,620	21,200	2.125	3450	4.43
SCCFE-3.25-H	SCCFE-3.25-SH	49,820	17,620	21,200	2.125	3450	5.04
SCCFE-3.50-H	SCCFE-3.50-SH	63,250	23,630	24,700	2.500	4200	6.74
SCCFE-4.00-H	SCCFE-4.00-SH	89,540	30,270	28,700	2.750	5000	10.17

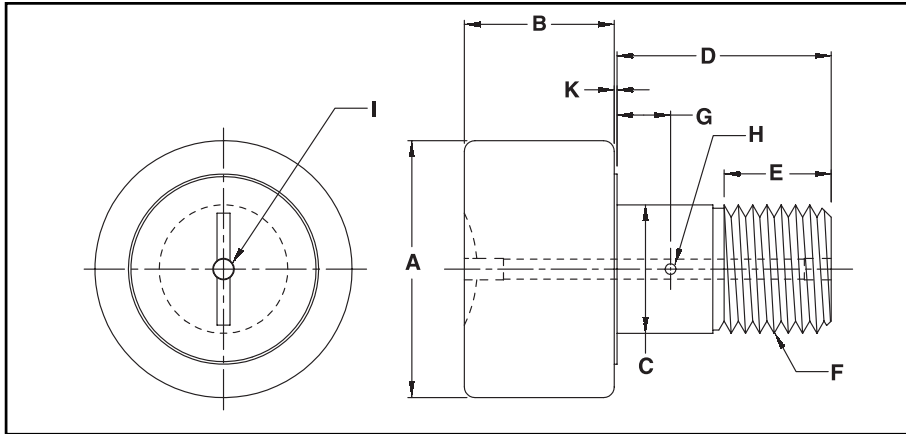
Lock washers, jam nuts and grease fittings available at an additional cost.

* If threads are lubricated, use 1/2 of the value shown.

PCI "HCF" Series - Cam Follower

Stud Type

Sealed & Unsealed - Heavy



Heavy Stud Type Cam Followers are designed to provide increased stud strength for high loads and impact loading. The screwdriver slot provides adequate installation torque for most applications.

PCI Unsealed Brg. Number	PCI Sealed Brg. Number	A Roller Dia. +.000/- .001	B Roller Width	C Stud Dia. +.000/- .001	D Stud Length	E Thread Length	F Fine Thread	G Hole Location	H Hole Dia.	I Lube Size	K Shoulder Clearance
HCF-2.00	HCF-2.00-S	2.000	1.250	1.125	2.000	1.000	1 1/8-12	.500	.125	.188	.031
HCF-2.25	HCF-2.25-S	2.250	1.250	1.125	2.000	1.000	1 1/8-12	.500	.125	.188	.031
HCF-2.50	HCF-2.50-S	2.500	1.500	1.250	2.250	1.125	1 1/4-12	.563	.125	.188	.031
HCF-2.75	HCF-2.75-S	2.750	1.500	1.250	2.250	1.125	1 1/4-12	.563	.125	.188	.031
HCF-3.00	HCF-3.00-S	3.000	1.750	1.500	2.500	1.250	1 1/2-12	.625	.125	.250	.031
HCF-3.25	HCF-3.25-S	3.250	1.750	1.500	2.500	1.250	1 1/2-12	.625	.125	.250	.031
HCF-3.50	HCF-3.50-S	3.500	2.000	1.750	2.750	1.375	1 3/4-12	.688	.125	.250	.031
HCF-4.00	HCF-4.00-S	4.000	2.250	2.000	3.500	1.500	2-12	.750	.125	.250	.031

Hex socket is standard on HCF-5.00-H and larger. See Page 41.

PCI Unsealed Brg. Number	PCI Sealed Brg. Number	Basic Static Load Rating	Basic Dynamic Load Rating	Max. Suggested Static Load	Min. Boss Dia.	Max. Clamping Torque (Dry)* (in.-lbs.)	Approx. Weight (lbs.)
HCF-2.00	HCF-2.00-S	21,140	8,090	21,140	1.500	1500	1.51
HCF-2.25	HCF-2.25-S	21,140	8,090	21,140	1.500	1500	1.83
HCF-2.50	HCF-2.50-S	32,900	11,720	24,540	1.750	2250	2.70
HCF-2.75	HCF-2.75-S	32,900	11,720	24,540	1.750	2250	3.14
HCF-3.00	HCF-3.00-S	49,820	17,620	36,560	2.125	3450	4.51
HCF-3.25	HCF-3.25-S	49,820	17,620	36,560	2.125	3450	5.12
HCF-3.50	HCF-3.50-S	63,250	23,630	51,020	2.500	4200	6.94
HCF-4.00	HCF-4.00-S	89,540	30,270	67,930	2.750	5000	10.68

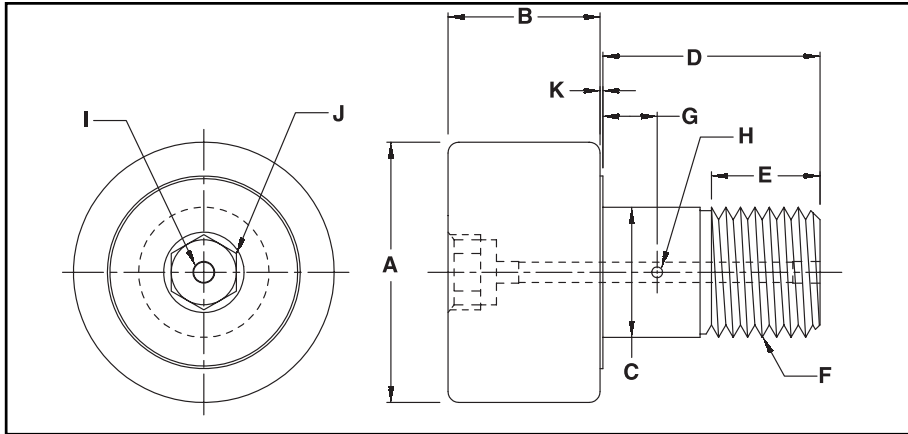
Lock washers, jam nuts and grease fittings available at an additional cost.

* If threads are lubricated, use 1/2 of the value shown.

PCI "HCF-H" Series - Cam Follower

Stud Type

Sealed & Unsealed - Heavy - Hex



Heavy Stud Type Cam Followers are designed to provide increased stud strength for high loads and impact loading. The hex socket provides additional installation torque for use with self-locking nuts and blind hole mounting, plus makes installation easier.

PCI Unsealed Brg. Number	PCI Sealed Brg. Number	A Roller Dia. +.000/- .001	B Roller Width	C Stud Dia. +.000/- .001	D Stud Length	E Thread Length	F Fine Thread	G Hole Location	H Hole Dia.	I Lube Size	J Hex Size	K Shoulder Clearance
HCF-2.00-H	HCF-2.00-SH	2.000	1.250	1.125	2.000	1.000	1 1/8-12	.500	.125	.188*	7/16	.031
HCF-2.25-H	HCF-2.25-SH	2.250	1.250	1.125	2.000	1.000	1 1/8-12	.500	.125	.188*	7/16	.031
HCF-2.50-H	HCF-2.50-SH	2.500	1.500	1.250	2.250	1.125	1 1/4-12	.563	.125	.188*	1/2	.031
HCF-2.75-H	HCF-2.75-SH	2.750	1.500	1.250	2.250	1.125	1 1/4-12	.563	.125	.188*	1/2	.031
HCF-3.00-H	HCF-3.00-SH	3.000	1.750	1.500	2.500	1.250	1 1/2-12	.625	.125	.250	3/4	.031
HCF-3.25-H	HCF-3.25-SH	3.250	1.750	1.500	2.500	1.250	1 1/2-12	.625	.125	.250	3/4	.031
HCF-3.50-H	HCF-3.50-SH	3.500	2.000	1.750	2.750	1.375	1 3/4-12	.688	.125	.250	3/4	.031
HCF-4.00-H	HCF-4.00-SH	4.000	2.250	2.000	3.500	1.500	2-12	.750	.125	.250	3/4	.031
HCF-5.00-H	HCF-5.00-SH	5.000	2.750	2.500	5.063	2.563	2 1/2-12	.875	.188	1/4 NPT	7/8	.063
HCF-6.00-H	HCF-6.00-SH	6.000	3.250	3.000	6.000	3.000	3-12	1.000	.188	1/4 NPT	1	.063
HCF-7.00-H	HCF-7.00-SH	7.000	3.750	3.500	7.688	4.125	3 1/2-4 UNC	1.250	.188	1/4 NPT	1 1/4	.063

* Lubrication through threaded end or cross hole only.

PCI Unsealed Brg. Number	PCI Sealed Brg. Number	Basic Static Load Rating	Basic Dynamic Load Rating	Max. Suggested Static Load	Min. Boss Dia.	Max. Clamping Torque (Dry)* (in.-lbs.)	Approx. Weight (lbs.)
HCF-2.00-H	HCF-2.00-SH	21,140	8,090	21,140	1.500	1500	1.51
HCF-2.25-H	HCF-2.25-SH	21,140	8,090	21,140	1.500	1500	1.83
HCF-2.50-H	HCF-2.50-SH	32,900	11,720	24,540	1.750	2250	2.70
HCF-2.75-H	HCF-2.75-SH	32,900	11,720	24,540	1.750	2250	3.14
HCF-3.00-H	HCF-3.00-SH	49,820	17,620	36,560	2.125	3450	4.51
HCF-3.25-H	HCF-3.25-SH	49,820	17,620	36,560	2.125	3450	5.12
HCF-3.50-H	HCF-3.50-SH	63,250	23,630	51,020	2.500	4200	6.94
HCF-4.00-H	HCF-4.00-SH	89,540	30,270	67,930	2.750	5000	10.68
HCF-5.00-H	HCF-5.00-SH	135,900	53,590	106,710	3.625	5000	21.46
HCF-6.00-H	HCF-6.00-SH	160,900	61,690	157,080	4.500	5000	36.40
HCF-7.00-H	HCF-7.00-SH	213,860	81,860	213,860	5.250	5000	65.05

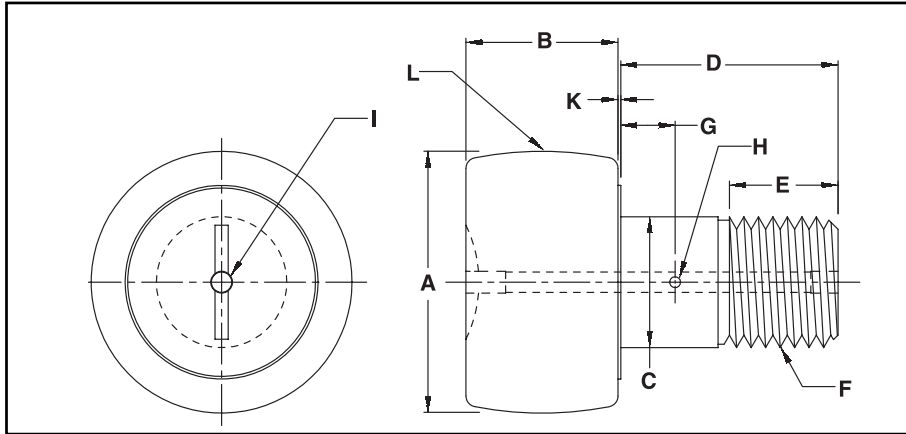
Lock washers, jam nuts and grease fittings available at an additional cost.

* If threads are lubricated, use 1/2 of the value shown.

PCI "HCCF" Series - Cam Follower

Stud Type

Sealed & Unsealed - Heavy - Crowned



Heavy Stud Type Cam Followers are designed to provide increased stud strength for high loads and impact loading. The screwdriver slot provides adequate installation torque for most applications. The crowned roller body reduces the effects of misalignment.

PCI Unsealed Brg. Number	PCI Sealed Brg. Number	A Roller Dia. +.000/-.001	B Roller Width	C Stud Dia. +.000/-.001	D Stud Length	E Thread Length	F Fine Thread	G Hole Location	H Hole Dia.	I Lube Size	K Shoulder Clearance	L Crown Radius
HCCF-2.00	HCCF-2.00-S	2.000	1.250	1.125	2.000	1.000	1 1/8-12	.500	.125	.188	.031	24
HCCF-2.25	HCCF-2.25-S	2.250	1.250	1.125	2.000	1.000	1 1/8-12	.500	.125	.188	.031	24
HCCF-2.50	HCCF-2.50-S	2.500	1.500	1.250	2.250	1.125	1 1/4-12	.563	.125	.188	.031	30
HCCF-2.75	HCCF-2.75-S	2.750	1.500	1.250	2.250	1.125	1 1/4-12	.563	.125	.188	.031	30
HCCF-3.00	HCCF-3.00-S	3.000	1.750	1.500	2.500	1.250	1 1/2-12	.625	.125	.250	.031	30
HCCF-3.25	HCCF-3.25-S	3.250	1.750	1.500	2.500	1.250	1 1/2-12	.625	.125	.250	.031	30
HCCF-3.50	HCCF-3.50-S	3.500	2.000	1.750	2.750	1.375	1 3/4-12	.688	.125	.250	.031	30
HCCF-4.00	HCCF-4.00-S	4.000	2.250	2.000	3.500	1.500	2-12	.750	.125	.250	.031	30

Hex socket is standard on HCCF-5.00-H and larger. See page 43.

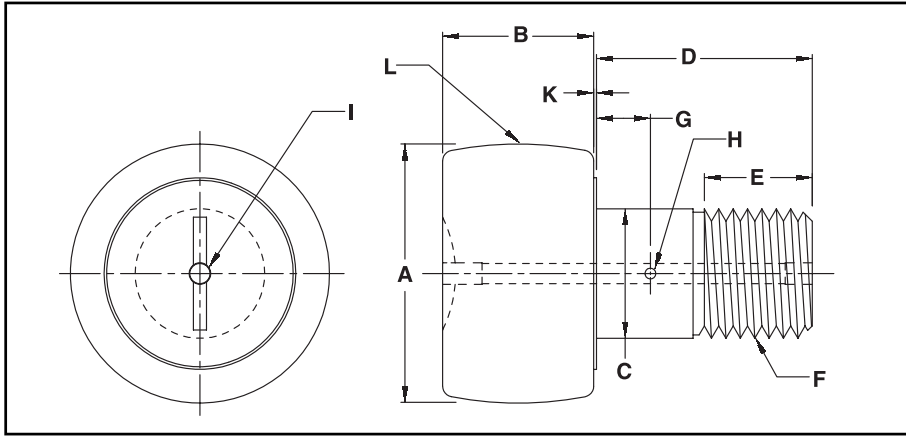
PCI Unsealed Brg. Number	PCI Sealed Brg. Number	Basic Static Load Rating	Basic Dynamic Load Rating	Max. Suggested Static Load	Min. Boss Dia.	Max. Clamping Torque (Dry)* (in.-lbs.)	Approx. Weight (lbs.)
HCCF-2.00	HCCF-2.00-S	21,140	8,090	21,140	1.500	1500	1.51
HCCF-2.25	HCCF-2.25-S	21,140	8,090	21,140	1.500	1500	1.83
HCCF-2.50	HCCF-2.50-S	32,900	11,720	24,540	1.750	2250	2.70
HCCF-2.75	HCCF-2.75-S	32,900	11,720	24,540	1.750	2250	3.14
HCCF-3.00	HCCF-3.00-S	49,820	17,620	36,560	2.125	3450	4.51
HCCF-3.25	HCCF-3.25-S	49,820	17,620	36,560	2.125	3450	5.12
HCCF-3.50	HCCF-3.50-S	63,250	23,630	51,020	2.500	4200	6.94
HCCF-4.00	HCCF-4.00-S	89,540	30,270	67,930	2.750	5000	10.68

Lock washers, jam nuts and grease fittings available at an additional cost.

* If threads are lubricated, use 1/2 of the value shown.

PCI "HCCF-H" Series - Cam Follower Stud Type

Sealed & Unsealed - Heavy - Crowned - Hex



Heavy Stud Type Cam Followers are designed to provide increased stud strength for high loads and impact loading. The hex socket provides additional installation torque for use with self-locking nuts and blind hole mounting and makes installation easier. The crowned roller body reduces the effects of misalignment.

PCI Unsealed Brg. Number	PCI Sealed Brg. Number	A Roller Dia. +.000/-0.001	B Roller Width	C Stud Dia. +.000/-0.001	D Stud Length	E Thread Length	F Fine Thread	G Hole Location	H Hole Dia.	I Lube Size	J Hex Size	K Shoulder Clearance	L Crown Radius
HCCF-2.00-H	HCCF-2.00-SH	2.000	1.250	1.125	2.000	1.000	1 1/8-12	.500	.125	.188*	7/16	.031	24
HCCF-2.25-H	HCCF-2.25-SH	2.250	1.250	1.125	2.000	1.000	1 1/8-12	.500	.125	.188*	7/16	.031	24
HCCF-2.50-H	HCCF-2.50-SH	2.500	1.500	1.250	2.250	1.125	1 1/4-12	.563	.125	.188*	1/2	.031	30
HCCF-2.75-H	HCCF-2.75-SH	2.750	1.500	1.250	2.250	1.125	1 1/4-12	.563	.125	.188*	1/2	.031	30
HCCF-3.00-H	HCCF-3.00-SH	3.000	1.750	1.500	2.500	1.250	1 1/2-12	.625	.125	.250	3/4	.031	30
HCCF-3.25-H	HCCF-3.25-SH	3.250	1.750	1.500	2.500	1.250	1 1/2-12	.625	.125	.250	3/4	.031	30
HCCF-3.50-H	HCCF-3.50-SH	3.500	2.000	1.750	2.750	1.375	1 3/4-12	.688	.125	.250	3/4	.031	30
HCCF-4.00-H	HCCF-4.00-SH	4.000	2.250	2.000	3.500	1.500	2-12	.750	.125	.250	3/4	.031	30
HCCF-5.00-H	HCCF-5.00-SH	5.000	2.750	2.500	5.063	2.563	2 1/2-12	.875	.188	1/4 NPT	7/8	.063	48
HCCF-6.00-H	HCCF-6.00-SH	6.000	3.250	3.000	6.000	3.000	3-12	1.000	.188	1/4 NPT	1	.063	56
HCCF-7.00-H	HCCF-7.00-SH	7.000	3.750	3.500	7.688	4.125	3 1/2-4 UNC	1.250	.188	1/4 NPT	1 1/4	.063	60

* Lubrication through threaded end or cross hole only.

PCI Unsealed Brg. Number	PCI Sealed Brg. Number	Basic Static Load Rating	Basic Dynamic Load Rating	Max. Suggested Static Load	Min. Boss Dia.	Max. Clamping Torque (Dry)* (in.-lbs.)	Approx. Weight (lbs.)
HCCF-2.00-H	HCCF-2.00-SH	21,140	8,090	21,140	1.500	1500	1.51
HCCF-2.25-H	HCCF-2.25-SH	21,140	8,090	21,140	1.500	1500	1.83
HCCF-2.50-H	HCCF-2.50-SH	32,900	11,720	24,540	1.750	2250	2.70
HCCF-2.75-H	HCCF-2.75-SH	32,900	11,720	24,540	1.750	2250	3.14
HCCF-3.00-H	HCCF-3.00-SH	49,820	17,620	36,560	2.125	3450	4.51
HCCF-3.25-H	HCCF-3.25-SH	49,820	17,620	36,560	2.125	3450	5.12
HCCF-3.50-H	HCCF-3.50-SH	63,250	23,630	51,020	2.500	4200	6.94
HCCF-4.00-H	HCCF-4.00-SH	89,540	30,270	67,930	2.750	5000	10.68
HCCF-5.00-H	HCCF-5.00-SH	135,900	53,590	106,710	3.625	5000	21.46
HCCF-6.00-H	HCCF-6.00-SH	160,900	61,690	157,080	4.500	5000	36.40
HCCF-7.00-H	HCCF-7.00-SH	213,860	81,860	213,860	5.250	5000	65.05

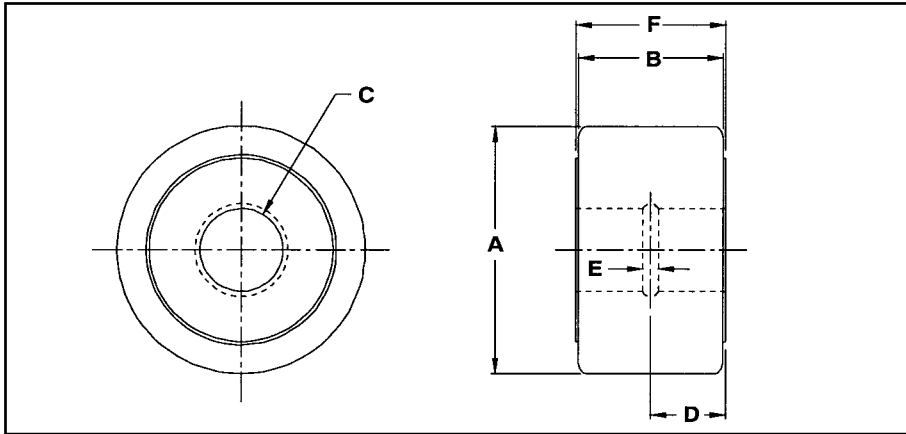
Lock washers, jam nuts and grease fittings available at an additional cost.

* If threads are lubricated, use 1/2 of the value shown.

PCI "YCF" Series - Cam Follower

Yoke Type

Sealed & Unsealed



Yoke Type Cam Followers provide for higher load carrying capacity based on the strength of the rolling elements. Yoke Type Cam Followers are clevis mounted and can utilize a high strength pin.

PCI Unsealed Brg. Number	PCI Sealed Brg. Number	A Roller Dia. +.000/-0.001	B Roller Width	C Bore Dia. +.0007/-0.0000	D Groove Location	E Groove Width	F Inner Race Width +.005/-0.010
YCF-2.00	YCF-2.00-S	2.000	1.250	.6250	.656	.188	1.313
YCF-2.25	YCF-2.25-S	2.250	1.250	.6250	.656	.188	1.313
YCF-2.50	YCF-2.50-S	2.500	1.500	.7500	.781	.188	1.563
YCF-2.75	YCF-2.75-S	2.750	1.500	.7500	.781	.188	1.563
YCF-3.00	YCF-3.00-S	3.000	1.750	1.0000	.906	.188	1.813
YCF-3.25	YCF-3.25-S	3.250	1.750	1.0000	.906	.188	1.813
YCF-3.50	YCF-3.50-S	3.500	2.000	1.1250	1.031	.188	2.063
YCF-4.00	YCF-4.00-S	4.000	2.250	1.2500	1.156	.188	2.313
YCF-5.00	YCF-5.00-S	5.000	2.750	1.7500	1.438	.250	2.875
YCF-6.00	YCF-6.00-S	6.000	3.250	2.2500	1.688	.250	3.375
YCF-7.00	YCF-7.00-S	7.000	3.750	2.7500	1.938	.375	3.875
YCF-8.00	YCF-8.00-S	8.000	4.250	3.2550	2.250	.500	4.500
YCF-9.00	YCF-9.00-S	9.000	4.750	3.7550	2.500	.500	5.000
YCF-10.00	YCF-10.00-S	10.000	5.250	4.2550	2.750	.500	5.500

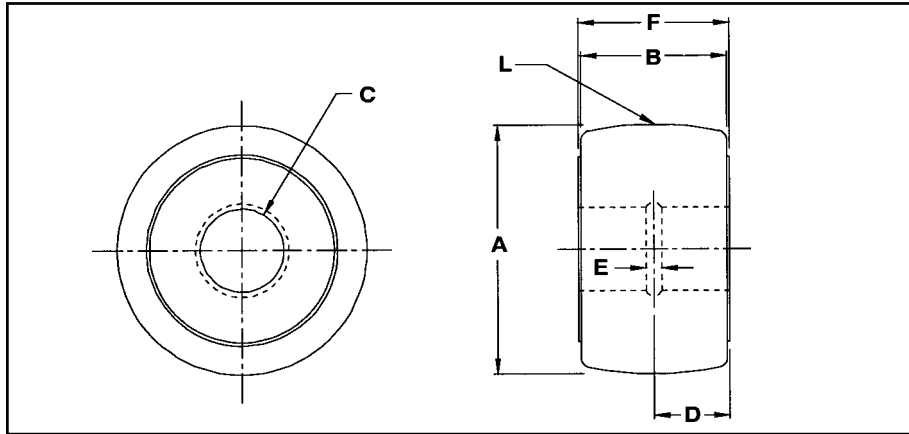
PCI Unsealed Brg. Number	PCI Sealed Brg. Number	Basic Static Load Rating	Basic Dynamic Load Rating	Max. Suggested Static Load	Min. Boss Dia.	Recommended Shaft Dia. +.0000/-0.0005	Approx. Weight (lbs.)	Optional Yoke Shaft
YCF-2.00	YCF-2.00-S	21,140	8,090	21,140	1.250	.6250*	1.05	YSH-.625-R
YCF-2.25	YCF-2.25-S	21,140	8,090	21,140	1.250	.6250*	1.32	YSH-.625-R
YCF-2.50	YCF-2.50-S	32,900	11,720	32,900	1.375	.7500*	1.75	YSH-.750-R
YCF-2.75	YCF-2.75-S	32,900	11,720	32,900	1.375	.7500*	2.20	YSH-.750-R
YCF-3.00	YCF-3.00-S	49,820	17,620	49,820	1.750	1.0000	3.10	YSH-1.000-R
YCF-3.25	YCF-3.25-S	49,820	17,620	49,820	1.750	1.0000	3.71	YSH-1.000-R
YCF-3.50	YCF-3.50-S	63,250	23,630	63,250	2.000	1.1250	4.85	YSH-1.125-R
YCF-4.00	YCF-4.00-S	89,540	30,270	89,540	2.250	1.2500	6.97	YSH-1.250-R
YCF-5.00	YCF-5.00-S	135,900	53,590	135,900	2.875	1.7500	14.24	YSH-1.750-R
YCF-6.00	YCF-6.00-S	160,900	61,690	160,900	3.375	2.2500	20.03	YSH-2.250-R
YCF-7.00	YCF-7.00-S	213,860	81,860	213,860	3.875	2.7500	32.85	YSH-2.750-R
YCF-8.00	YCF-8.00-S	288,200	111,400	288,200	4.750	3.2550	49.95	YSH-3.250-R
YCF-9.00	YCF-9.00-S	366,860	151,400	366,860	5.438	3.7550	67.75	YSH-3.750-R
YCF-10.00	YCF-10.00-S	431,130	160,480	431,130	5.938	4.2550	91.20	YSH-4.250-R

* +.000/-0.001 tolerance

PCI "YCCF" Series - Cam Follower

Yoke Type

Sealed & Unsealed - Crowned



Yoke Type Cam Followers provide for higher load carrying capacity based on the strength of the rolling elements. Yoke Type Cam Followers are clevis mounted and can utilize a high strength pin. The crowned roller body reduces the effects of misalignment.

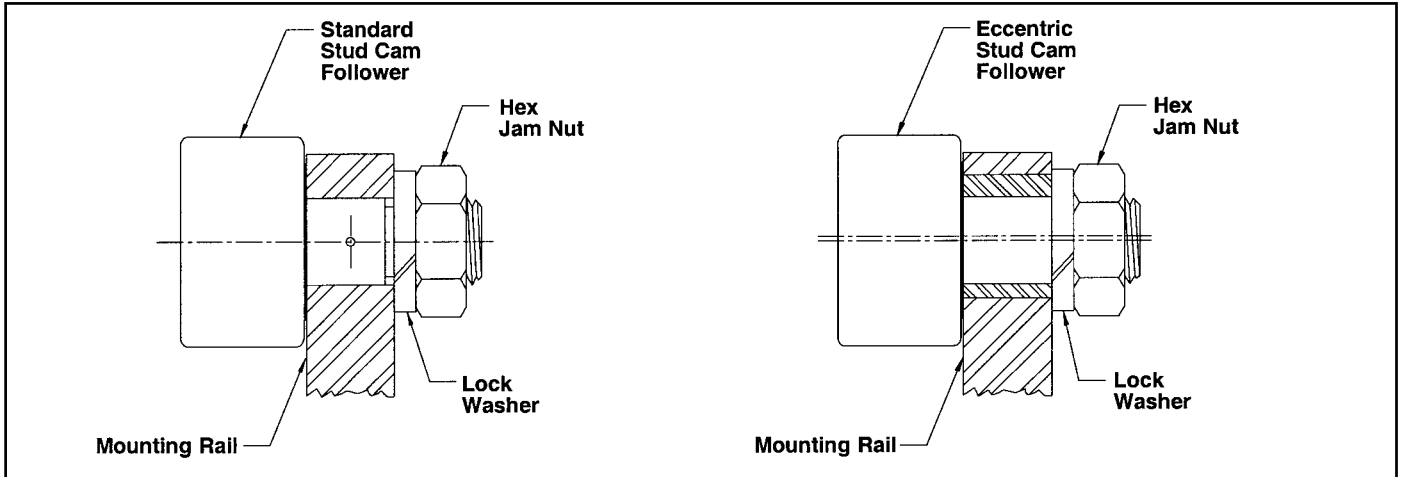
PCI Unsealed Brg. Number	PCI Sealed Brg. Number	A Roller Dia. +.000/-0.001	B Roller Width	C Bore Dia. +.0007/-0.0000	D Groove Location	E Groove Width	F Inner Race Width +.005/-0.010	L Crown Radius
YCCF-2.00	YCCF-2.00-S	2.000	1.250	.6250	.656	.188	1.313	24
YCCF-2.25	YCCF-2.25-S	2.250	1.250	.6250	.656	.188	1.313	24
YCCF-2.50	YCCF-2.50-S	2.500	1.500	.7500	.781	.188	1.563	30
YCCF-2.75	YCCF-2.75-S	2.750	1.500	.7500	.781	.188	1.563	30
YCCF-3.00	YCCF-3.00-S	3.000	1.750	1.0000	.906	.188	1.813	30
YCCF-3.25	YCCF-3.25-S	3.250	1.750	1.0000	.906	.188	1.813	30
YCCF-3.50	YCCF-3.50-S	3.500	2.000	1.1250	1.031	.188	2.063	30
YCCF-4.00	YCCF-4.00-S	4.000	2.250	1.2500	1.156	.188	2.313	30
YCCF-5.00	YCCF-5.00-S	5.000	2.750	1.7500	1.438	.250	2.875	48
YCCF-6.00	YCCF-6.00-S	6.000	3.250	2.2500	1.688	.250	3.375	56
YCCF-7.00	YCCF-7.00-S	7.000	3.750	2.7500	1.938	.375	3.875	60
YCCF-8.00	YCCF-8.00-S	8.000	4.250	3.2550	2.250	.500	4.500	40
YCCF-9.00	YCCF-9.00-S	9.000	4.750	3.7550	2.500	.500	5.000	40
YCCF-10.00	YCCF-10.00-S	10.000	5.250	4.2550	2.750	.500	5.500	40

PCI Unsealed Brg. Number	PCI Sealed Brg. Number	Basic Static Load Rating	Basic Dynamic Load Rating	Max. Suggested Static Load	Min. Boss Dia.	Recommended Shaft Dia. +.0000/-0.0005	Approx. Weight (lbs.)	Optional Yoke Shaft
YCCF-2.00	YCCF-2.00-S	21,140	8,090	21,140	1.250	.6250*	1.05	YSH-625-R
YCCF-2.25	YCCF-2.25-S	21,140	8,090	21,140	1.250	.6250*	1.32	YSH-625-R
YCCF-2.50	YCCF-2.50-S	32,900	11,720	32,900	1.375	.7500*	1.75	YSH-750-R
YCCF-2.75	YCCF-2.75-S	32,900	11,720	32,900	1.375	.7500*	2.20	YSH-750-R
YCCF-3.00	YCCF-3.00-S	49,820	17,620	49,820	1.750	1.0000	3.10	YSH-1.000-R
YCCF-3.25	YCCF-3.25-S	49,820	17,620	49,820	1.750	1.0000	3.71	YSH-1.000-R
YCCF-3.50	YCCF-3.50-S	63,250	23,630	63,250	2.000	1.1250	4.85	YSH-1.125-R
YCCF-4.00	YCCF-4.00-S	89,540	30,270	89,540	2.250	1.2500	6.97	YSH-1.250-R
YCCF-5.00	YCCF-5.00-S	135,900	53,590	135,900	2.875	1.7500	14.24	YSH-1.750-R
YCCF-6.00	YCCF-6.00-S	160,900	61,690	160,900	3.375	2.2500	20.03	YSH-2.250-R
YCCF-7.00	YCCF-7.00-S	213,860	81,860	213,860	3.875	2.7500	32.85	YSH-2.750-R
YCCF-8.00	YCCF-8.00-S	288,200	111,400	288,200	4.750	3.2550	49.95	YSH-3.250-R
YCCF-9.00	YCCF-9.00-S	366,860	151,400	366,860	5.438	3.7550	67.75	YSH-3.750-R
YCCF-10.00	YCCF-10.00-S	431,130	160,480	431,130	5.938	4.2550	91.20	YSH-4.250-R

* +.000/-0.001 tolerance

Installation Notes for Stud Type Cam Followers

Mounting holes should be machined to the nominal stud size within $+.001/-0.000$ tolerance. When properly aligned, the stud of the roller should slip into the mounting member. Do not force the stud into the mounting member as damage to the roller may occur. When mounting rollers, do not over-torque the jam nuts beyond the recommended torque listed in chart or damage may occur. Be sure that the mounting member is of sufficient thickness to support the applied loads.

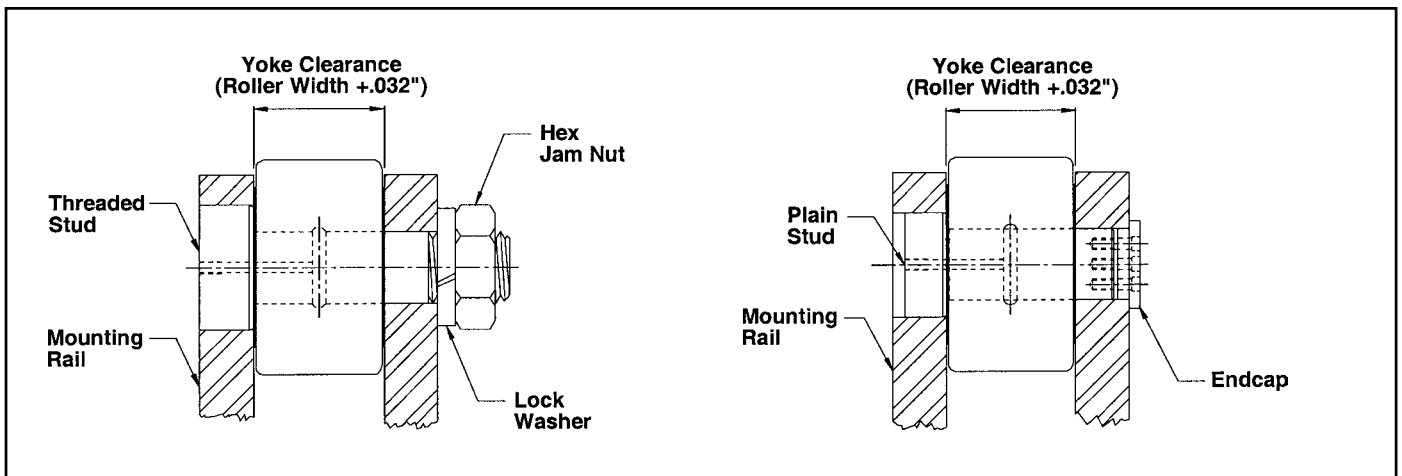


Installation Notes for Yoke Type Cam Followers

Plain Yoke Cam Followers

PCI Yoke Cam Followers are easily installed by locating either side of the roller against the yoke ear that has the smaller hole. Simply tightening the lock nut snugs the roller up against the yoke ear.

NOTE: Shoulder of inner race must be tightened firmly to ensure the integrity of the yoke roller assembly. This applies to all yoke cam followers.



Basic Static Load Rating

The Basic Static Load Rating is the static load which will cause a contact stress of 580,000 p.s.i. between the rolling elements and the raceway. Loads above the Basic Static Load Rating cause permanent deformation of the rolling element in excess of .0001 of an inch.

Seal and Temperature Limitations

The seals used in **PCI** Cam Followers are limited to a continuous operating temperature of 200°F with peak temperatures of 250°F. Unsealed **PCI** Cam Followers are also limited by this temperature range since they use the same material as a thrust washer.

Bearing Life and Dynamic Loads

PCI Cam Followers that have been properly mounted, lubricated and maintained will operate with minimal internal wear until fatigue failure of the rolling elements takes place. Fatigue failure is evidenced by surface wear on the rolling elements.

Individual bearing life is expressed as the number of revolutions or the number of hours at a given speed that a bearing will complete before fatigue failure occurs. The L_{10} or minimum life is the most common expression of bearing life. It is defined as the number of hours at a constant speed (or number of revolutions) that 90% of a given test group of bearings should survive under laboratory conditions.

Another common term is the Basic Dynamic Load Rating (BDR). The BDR is the rated load for an L_{10} life of 1 million revolutions (33 1/3 r.p.m. for 500 hours). Cam Follower tables list load ratings for 33 1/3 r.p.m. for 500 hours and 100 r.p.m. for 3000 hours. To find a load rating for a different number of hours and r.p.m., refer to the following example.

To relate the BDR required to the speed, load and desired life, use the following formula:

$$BDR = 0.05413 \times P \times (L \times N)^{(3/10)}$$

Where: BDR = Basic Dynamic Rating Required

P = Applied Load

L = Desired Life (hours)

N = Speed (r.p.m.)

Example:

What is the Radial Load Capacity for a SCF-3.00 Cam Follower with a Desired Life of 10,000 hours at 40 r.p.m.?

Use Formula:

$$BDR = 0.05413 \times P \times (L \times N)^{(3/10)}$$

From the chart, BDR = 17,620 lbs.

$$17,620 = 0.05413 \times P \times (10,000 \times 40)^{(3/10)}$$

Solving for P, calculate **P = 6,790 lbs.**

Applied load should not exceed BDR/4 for SCF Series. If Applied Load is between BDR/4 and BDR/2, then use the HCF Series and consider the YCF Series. Applied Load should not exceed BDR/2.

Other considerations that must be accounted for include, but are not limited to:

- Track Capacity
- Stud Strength
- Shock/Impact Loading
- Track to Roller Alignment
- Multiple Roller Alignment
- Operating Environment

Track Capacity

Track Capacity is based on the material properties of the track. See chart below for Track Capacity of track at Rockwell C40 (180,000 p.s.i. tensile strength).

Bearing Dia. (in.)	Rated Track Capacity (lbs.)	Bearing Dia. (in.)	Rated Track Capacity (lbs.)
2.00	6180	4.00	24,720
2.25	6950	5.00	38,580
2.50	9660	6.00	55,550
2.75	10,620	7.00	75,610
3.00	13,890	8.00	95,650
3.25	15,050	9.00	121,490
3.50	18,900	10.00	150,420

The Track Capacity for a cam follower with a crowned roller body is the rated Track Capacity decreased by 20%.

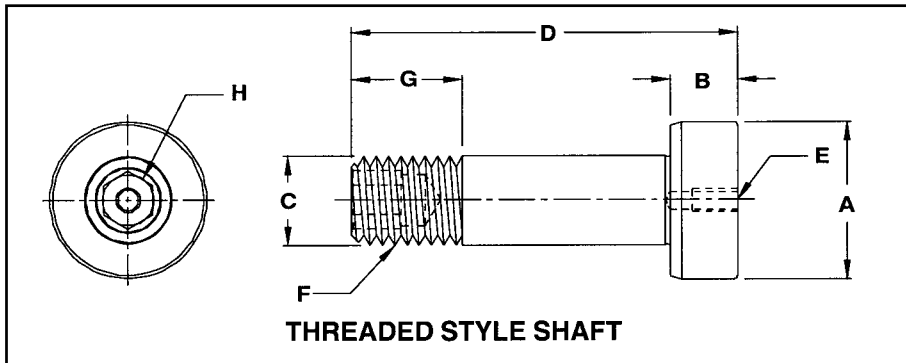
Track Capacity for different track materials can be multiplied by the following factors to obtain the new Track Capacity.

Track Tensile Strength (p.s.i.)	Track Hardness Rockwell "C"	Track Capacity Factor
120,000	26	0.45
140,000	32	0.61
160,000	36	0.79
180,000	40	1.00
200,000	44	1.24
220,000	47	1.50
240,000	50	1.78
260,000	53	2.09
280,000	56	2.42
300,000	58	2.78

PCI "YSH" Series - Shafts/Endcaps

Yoke Track Follower Type

Threaded & Plain

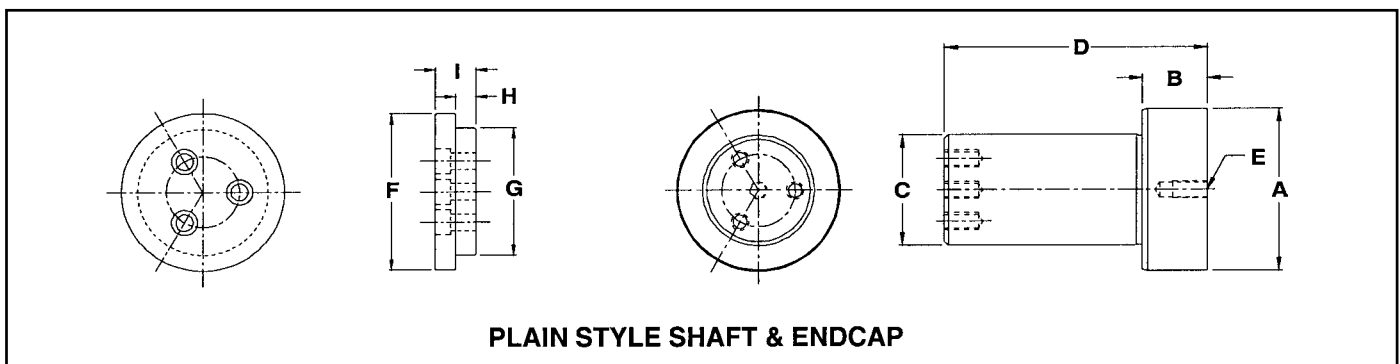


The threaded style shaft includes a jam nut and lock washer. The plain style shaft includes an endcap, socket head cap screws and lock washers. Yoke shafts for use with cam followers must be supplied with the relubricatable option (See page 49).

PCI Part Number	A Shoulder Dia. +.0005/-0.0000	B Shoulder Width	C Stud Dia. +.0000/-0.0005	D Stud Length	E UNC Thread	F Fine Thread	G Thread Length	H Hex Size	Approx. Weight (lbs.)
YSH-.625	1.375	.500	.6250*	3.125	1/4-28 UNF	5/8-18	.875	.312	.44
YSH-.750	1.562	.625	.7500*	3.750	1/4-28 UNF	3/4-16	1.000	.312	1.00
YSH-1.000	1.750	.750	1.0000	4.312	1/4-28 UNF	1-14	1.125	.500	1.50
YSH-1.125	2.000	.875	1.1250	4.875	3/8-16	1 1/8-12	1.187	.500	2.06
YSH-1.250	2.250	.875	1.2500	5.250	3/8-16	1 1/4-12	1.312	.500	2.69
YSH-1.750	3.500	1.250	1.7500	7.000	1/2-13	1 3/4-12	1.875	.500	8.25
YSH-2.250	3.500	1.250	2.2500	7.750	1/2-13	2 1/4-12	2.125	.625	12.63
YSH-2.750	4.250	1.375	2.7500	9.000	1/2-13	2 3/4-12	2.625	.625	22.25

* Tolerance is +.000/-0.001.

PCI Part Number	A Shoulder Dia. +.02/-0.04 (mm)	B Shoulder Width (mm)	C Stud Dia. +.02/-0.04 (mm)	D Stud Length (mm)	E Tapped Hole (mm)	F Thread Size (mm)	G Thread Length (mm)	H Hex Size (mm)	Approx. Weight (kg.)
MYSH-19	40.0	16	19	95	M 6 x 1	M 18 x 1.5	26	8	.45
MYSH-25	44.5	19	25	110	M 6 x 1	M 24 x 1.5	29	8	.75
MYSH-30	57.2	22	30	135	M 8 x 1.25	M 30 x 3.5	31	12.2	.95
MYSH-45	82.6	32	45	185	M 12 x 1.75	M 45 x 4.5	54	12.2	1.50
MYSH-55	88.9	32	55	195	M 12 x 1.75	M 52 x 5	62	12.2	5.70
MYSH-70	108.0	35	70	220	M 12 x 1.75	M 70 x 6	74	12.2	10.00

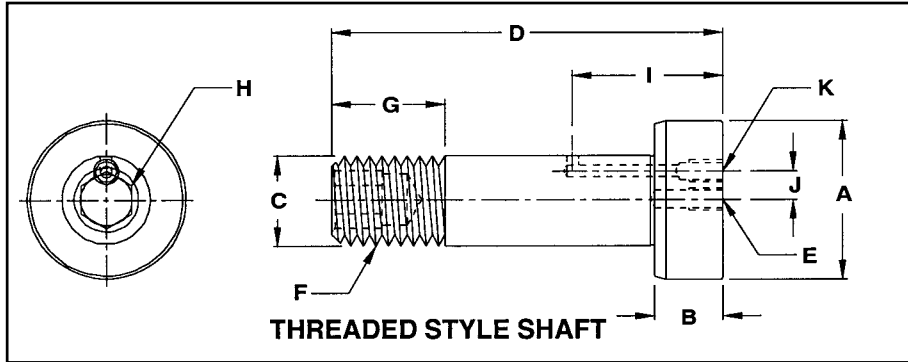


PCI Part Number	A Shoulder Dia. +.0005/-0.0005	B Shoulder Width	C Stud Dia. +.0000/-0.0005	D Stud Length	E UNC Thread	F Retainer Dia.	G	H	I	Approx. Weight (lbs.)
YSH-3.250	4.7500	1.875	3.2550	7.625	1/2-13	4.00	3.25	.500	1.000	25.0
YSH-3.750	5.5000	2.125	3.7550	8.625	3/4-10	4.50	3.75	.500	1.125	38.0
YSH-4.250	6.5000	2.250	4.2550	9.375	3/4-10	5.00	4.25	.500	1.125	55.0

PCI "YSH" Series - Shafts/Endcaps

Yoke Cam Follower Type

Threaded & Plain - Relubricatable

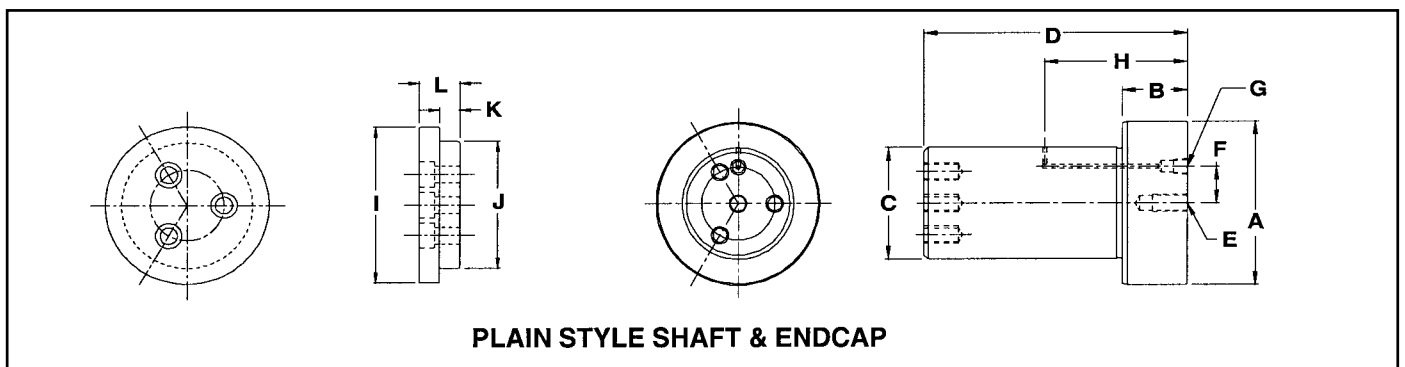


The threaded style shaft includes a jam nut, lock washer, and lube fitting. The plain style shaft includes an endcap, socket head cap screws, lock washers, and lube fitting. Yoke shafts for use with cam followers must be supplied with the relubricatable option.

NOTE: All relubricatable shafts are from the head side of the stud.

PCI Part Number (Relubricatable)	A Shoulder Dia. $+.0005/-0.0000$	B Shoulder Width	C Stud Dia. $+.0000/-0.0005$	D Stud Length	E UNC Thread	F Fine Thread	G Thread Length	H Hex Size	I Hole Location	J Lube Fit. Offset	K Fitting Size	Approx. Weight (lbs.)
YSH-.625-R	1.375	.500	.6250*	3.125	1/4-28 UNF	5/8-18	.875	.312	1.100	-0-	1/4-28 UNF	.44
YSH-.750-R	1.562	.625	.7500*	3.750	1/4-28 UNF	3/4-16	1.000	.312	1.400	-0-	1/4-28 UNF	1.00
YSH-1.000-R	1.750	.750	1.0000	4.312	1/4-28 UNF	1-14	1.125	.500	1.660	-0-	1/4-28 UNF	1.50
YSH-1.125-R	2.000	.875	1.1250	4.875	3/8-16	1 1/8-12	1.187	.500	1.910	.415	1/4-28 UNF	2.06
YSH-1.250-R	2.250	.875	1.2500	5.250	3/8-16	1 1/4-12	1.312	.500	2.030	.483	1/4-28 UNF	2.69
YSH-1.750-R	3.500	1.250	1.7500	7.000	1/2-13	1 3/4-12	1.875	.500	2.690	.693	1/8-27 NPT	8.25
YSH-2.250-R	3.500	1.250	2.2500	7.750	1/2-13	2 1/4-12	2.125	.625	2.940	.943	1/8-27 NPT	12.63
YSH-2.750-R	4.250	1.375	2.7500	9.000	1/2-13	2 3/4-12	2.625	.625	3.310	1.063	1/8-27 NPT	22.25

* Tolerance is $+.000/-0.001$.



PCI Part Number (Relubricatable)	A Shoulder Dia. $+.0005/-0.0005$	B Shoulder Width	C Stud Dia. $+.0000/-0.0005$	D Stud Length	E UNC Thread	F Lube Fit. Offset	G Fitting Size	H Hole Location	I Retainer Dia.	J Retainer Dia.	K Retainer Dia.	L Retainer Dia.	Approx. Weight (lbs.)
YSH-3.250-R	4.7500	1.875	3.2550	7.625	1/2-13	1.063	1/8-27 NPT	4.125	4.00	3.25	.500	1.000	25.0
YSH-3.750-R	5.5000	2.125	3.7550	8.625	3/4-10	1.250	1/8-27 NPT	4.625	4.50	3.75	.500	1.125	38.0
YSH-4.250-R	6.5000	2.250	4.2550	9.375	3/4-10	1.375	1/8-27 NPT	5.000	5.00	4.25	.500	1.125	55.0

PRODUCTS MANUFACTURED BY PCI

PCI Track Rollers:

- Machine ground with ball bearings or tapered roller bearings to accommodate thrust loads
- Stud and Yoke Styles
Available in:
 - Regreaseable
 - Non-Metallic
 - NEW!** Stainless steel
 - High temperature
 - Custom designs

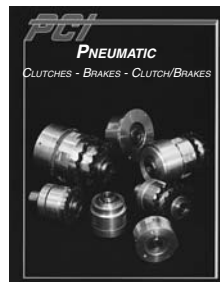


PCI Cam Followers:

- Manufactured with needle bearings for radial load applications
- 2" through 10" diameter in both Stud and Yoke styles in stock

PCI Pneumatic Clutches:

- Clutches, brakes, clutch/brakes, torque limiters
- Torque capacities from 0-6300 in.-lbs
- Bolt-on drives, sprockets, v-belt sheaves and gears
- Virtually maintenance-free
- Custom styles and sizes per specification



PCI Traction Wheel Hub Assemblies:

- In stock and available for quick shipment
- Interchangeable with other manufacturers' hubs



PCI Standard Duty Pulleys & Machined Pulleys:

- 2" to 12" diameter
- Various hub styles
- V-groove styles
- Trapezoidal crown for maximum concentricity and reduced belt wear
- Available with lagging



PCI 316 Stainless Steel Pulleys:

- Sanitary/Food Grade
- Corrosive/Washdown
- Available with lagging



PCI Heavy Duty Pulleys:

- 14" diameters and larger
- 72" overall face length
- Various hub styles
- Flat face or crowned for maximum concentricity and reduced belt wear
- Available with lagging
- Mine duty and spiral styles available

PCI Wing Pulleys:

- Self-cleaning
- 6" diameters and larger
- Mine duty and spiral styles available

PCI Take-Up Frames:

- Available in Wide Slot and Narrow Slot styles
- Capable of mounting inside, outside or as part of the conveyor frame

PCI Take-Up Frame Covers:



- Keep debris away from your bearings and adjusting screw
- Cover rotating shafting and other moving parts as a safety feature
- One style fits on existing PCI and Dodge frames
- One style fits over existing Take-up Frames

**Available Through a
Distributor in Your Area!**