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**MANY MORE TOOLS ARE AVAILABLE.
ASK YOUR REGIONAL PARTS MANAGER FOR
THE CURRENT WESTWARD TOOLS CATALOGUE.**

CALIPERS

Electronic Digital Caliper

- Metric/inch conversion.
- On/off switch.
- Zero function.
- Digital display.
- Range: 0 to 6"
0 to 150 mm
- Date output socket.
- Molded storage case.



PART NO.	DESCRIPTION
GHT 78361	Westward Digital Caliper

6" Vernier Caliper

GHT 1/128X1/20MM

6" VERNIER CALIPER

- Four measurements - inside, outside, depth and step.
- Stainless steel, stress relieved.
- Measuring surfaces are precision-ground and lapped.
- Satin chrome finish.

PART NO.	DESCRIPTION
GHT 1/128X1/20MM	6" Vernier Caliper



ASK YOUR REGIONAL PARTS MANAGER ABOUT THE NEW WESTWARD TOOLS FULL COLOUR CATALOGUE

Featuring:

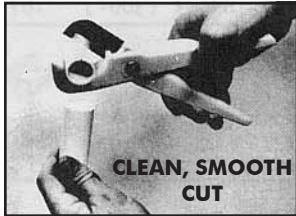
- Tool kits & tool storage.
- Mechanics tools.
- Wrenches & wrench sets.
- Screwdrivers & hex keys.
- Pliers & snips.
- Punches, chisels, pry bars & hammers.
- Drill bits, taps & dies.
- Shop supplies & equipment.
- Air tools.
- Material handling.
- Automotive specialty tools.

... And much more!

CUTTERS

Pipe Cutter

THIS CUTTER WILL CUT FASTER THAN ANY OTHER PIPE CUTTER MADE - AND DO IT WITHOUT CREATING BURRS OR SAWDUST.



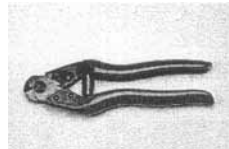
Cuts Polyethylene, Polybutylene, PVC, ABS, rubber hose. Cuts all sizes up to 1 1/4" I.D. It's fast, clean, safe, small and light. Strong, tough nylon handles and replaceable stainless steel blades.



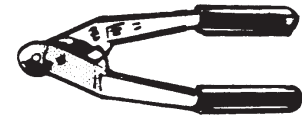
PART NO.	DESCRIPTION
SPP 73070	Li'l Nipper hose cutter
SPP 73071	Replacement blade S.S.

Wire Rope Hand Cutters

PART NO.	DESCRIPTION	LENGTH
HAR C7	0 - 3/16"	8"
HAR C9	0 - 1/4"	13"



HAR C-7

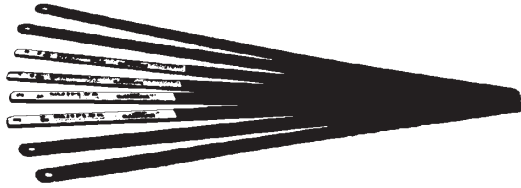


HAR C-9

Note: For best results you should wrap the rope with a piece of tape before cutting to prevent the end from fraying.

HACKSAW BLADES

Hand hack saw blades, bi-metal



PART NO.	SIZE
GHT 1/2X12-14TPI	1/2" x 12" x 14 TPI
GHT 1/2X12-18TPI	1/2" x 12" x 18 TPI
GHT 1/2X12-24TPI	1/2" x 12" x 24 TPI
GHT 1/2X12-32TPI	1/2" x 12" x 32 TPI

PART NO.	DESCRIPTION	SIZE
GHT 1/2-64.5	Carbon steel hardback blade	1/2" x 64 1/2" length
GHT 1/2X64-1/2	Carbon steel flexback blade	1/2" x 64 1/2" length
GHT 1/2X64-14	Matrix bi-metal blade	1/2" x 64 1/2" length



Carbon - Hard Edge - Hard Back (HB)

"Hard-Back" blades made from carbon steel have the same low heat resistance as "Hard-Edge" blades. However, the hardened back accepts heavier feed pressure and blade tension than the "Hard-Edge" blade. As a result, "Hard-Back" blades are often used on larger machines in production applications involving easy-to-machine materials.

Carbon - Hard Edge - Flexible Back (HEF)

"Hard-Edge" blades are made from carbon steel, and usually serve as general purpose blades. They can cut relatively free machining metals, as well as wood and plastic, and are used on light machines in situations involving limited or occasional use. Because "Hard-Edge" blades only withstand heat up to 400°F, they should not be used for harder materials nor operated at excessively high speeds.

Bi-Metal Matrix II

"Matrix" bi-metal blades consist of a high-speed matrix cutting edge, electron beam welded to a low alloy shock resistant back. The matrix cutting edge resists heat in excess of 1000°F and, as a result, can cut hard materials at speeds up to 10 times faster than carbon blades. Matrix blades combine good heat and wear resistance with excellent toughness and shock resistance. They are the blades of choice for high speed, production type cutting involving a wide range of materials and/or cutting conditions.

SAFETY GOGGLES

PART NO.
GHT P1109



PLASTIC SAFETY GOGGLES

Flexible safety goggles to protect the wearer from dust and debris. Vented to keep lenses from fogging up.

METAL & STAINLESS CUTTING CARBIDE BURRS

All burrs are double cut 1/4" shank.

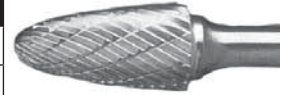
Cylindrical

PART NO.	SIZE
GHT CBSA1DC	1/4" x 5/8"
GHT CBSA3DC	3/8" x 3/4"
GHT CBSA5DC	1/2" x 1"



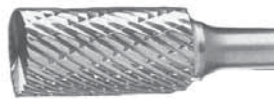
Round Tree

PART NO.	SIZE
GHT CBSF1DC	1/4" x 5/8"
GHT CBSF3DC	3/8" x 3/4"
GHT CBSF5DC	1/2" x 1"



Cylindrical End Cut

PART NO.	SIZE
GHT CBSB1ADC	1/4" x 1"
GHT CBSB3DC	3/8" x 3/4"



Pointed Tree

PART NO.	SIZE
GHT CBSG1DC	1/4" x 5/8"
GHT CBSG3DC	3/8" x 3/4"
GHT CBSG5DC	1/2" x 1"



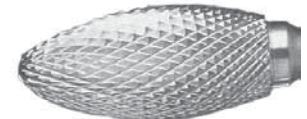
Cylindrical Ball

PART NO.	SIZE
GHT CBSC1DC	1/4" x 5/8"
GHT CBSC3DC	3/8" x 3/4"
GHT CBSC5DC	1/2" x 1"



14° Included Angle

PART NO.	SIZE
GHT CBSL1DC	1/4" x 5/8"
GHT CBSL3DC	3/8" x 3/4"



Round (Ball)

PART NO.	SIZE
GHT CBSD1DC	1/4"
GHT CBSD3DC	3/8"



Cone

PART NO.	SIZE
GHT CBSM4DC	3/8" x 5/8"



Oval (Ball)

PART NO.	SIZE
GHT CBSE3DC	3/8" x 5/8"



SPIRAL FLUTE SCREW EXTRACTORS

- For removing broken screws, bolts, and studs as well as pipe and fittings.
- High quality tapered, left-hand spiral flutes grip screw firmly.
- Heat treated and tempered tool steel for long life.
- Drill size permanently stamped on shank.



PART NO.	SCREW EXTRACTOR NO.	TO REMOVE DIAMETER SCREW	DIAMETER SCREW EXTRACTOR SHANK	DIAMETER SCREW EXTRACTOR POINT	DRILL SIZE
GHT 40-3095	1	3/32" - 5/32"	1/8"	0.060"	5/64"
GHT 40-3096	2	5/32" - 7/32"	3/16"	0.080"	7/64"
GHT 40-3097	3	7/32" - 9/32"	1/4"	1/8"	5/32"
GHT 40-3098	4	9/32" - 3/8" and 1/8" pipe	5/16"	3/16"	1/4"
GHT 40-3099	5	3/8" - 5/8" and 1/4" pipe	7/16"	1/4"	17/64"



INDUSTRIAL SIDEWINDER DRILL BITS

³/₈" Reduced Shank-Jobbers Length

- Designed for fast hole penetration in steel, alloy steel, wood and plastics.
- Cut up to 3 times faster and last up to 3 times longer than standard HSS drill bits.
- Special 135° split point starts cutting immediately upon contact - no center punch required.
- Enlarged flute chambers removes chips faster.
- Ideal for contractor and serious DIYers using ³/₈" portable drills.



PART NO.	DIAMETER	OVERALL LENGTH	FLUTE LENGTH	STANDARD SHIPPING PACK
GHT 40-2075	1/16"	1 7/8"	7/8"	2/card
GHT 40-2076	5/64"	2"	1"	2/card
GHT 40-2077	3/32"	2 1/4"	1 1/4"	2/card
GHT 40-2078	7/64"	2 5/8"	1 1/2"	2/card
GHT 40-2079	1/8"	2 3/4"	1 5/8"	2/card
GHT 40-2080	9/64"	2 7/8"	1 3/4"	each
GHT 40-2081	5/32"	3 1/8"	2"	each
GHT 40-2082	11/64"	3 1/4"	2 1/8"	each
GHT 40-2083	3/16"	3 1/2"	2 5/16"	each
GHT 40-2084	13/64"	3 5/8"	2 7/16"	each
GHT 40-2085	7/32"	3 3/4"	2 1/2"	each
GHT 40-2086	15/64"	3 7/8"	2 5/8"	each
GHT 40-2088	1/4"	4"	2 3/4"	each
GHT 40-2089	17/64"	4 1/8"	2 7/8"	each
GHT 40-2090	9/32"	4 1/4"	2 15/16"	each
GHT 40-2091	19/64"	4 3/8"	3 1/16"	each
GHT 40-2092	5/16"	4 1/2"	3 3/16"	each
GHT 40-2093	21/64"	4 5/8"	3 5/16"	each
GHT 40-2094	11/32"	4 3/4"	3 7/16"	each
GHT 40-2095	23/64"	4 7/8"	3 1/2"	each
GHT 40-2096	3/8"	5"	3 5/8"	each

Industrial Sidewinder 13 Piece Drill Bit Set

- Packed in molded plastic storage case.
- Sizes clearly marked on case.
- Sizes 1/8" and above have special 135° split point.
- Includes Sizes: 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 11/64", 3/16", 13/64", 7/32", 15/64", 1/4".

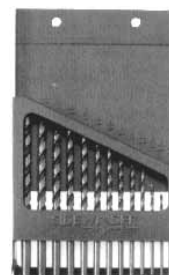
PART NO.
GHT 12187



Industrial Sidewinder 29 Piece Drill Bit Set in Metal Index

- Organized for accessibility.
- Rugged steel case and box with hinged index.
- Bit sizes clearly visible.
- Sizes 1/8" and above have special 135° split point.
- Includes sizes: 1/16" to 1/2" by 64ths, ³/₈" reduced shank.

PART NO.
GHT 12145



³/₈" Reduced Shank

PART NO.	DIAMETER	OVERALL LENGTH	FLUTE LENGTH	STANDARD SHIPPING PACK
GHT 40-2100	25/64"	5 1/8"	3 3/4"	each
GHT 40-2101	13/32"	5 1/4"	3 7/8"	each
GHT 40-2102	27/64"	5 3/8"	3 15/16"	each
GHT 40-2103	7/16"	5 1/2"	4 1/16"	each
GHT 40-2104	29/64"	5 5/8"	4 3/16"	each
GHT 40-2105	15/32"	5 3/4"	4 5/16"	each
GHT 40-2106	31/64"	5 7/8"	4 3/8"	each
GHT 40-2107	1/2"	6"	4 1/2"	each

Small diameter drills below 1/8" not split point.

GRINDING & CUT-OFF DISCS

Reinforced Resin Depressed Center Wheels

TYPE 27



A24-RFB Metal

PART NO.	SIZE	MAX. RPM
GHT AA1010	4 x 1/4 x 5/8	15,300
GHT AA1015	4 1/2 x 1/8 x 7/8	13,200
GHT AA1020	4 1/2 x 1/4 x 7/8	13,200
GHT AA1025	5 x 1/8 x 7/8	12,200
GHT AA1030	5 x 1/4 x 7/8	12,200
GHT AA1050	7 x 1/8 x 7/8	8,600

Reinforced Resin Cut-Off Wheels

TYPE 1

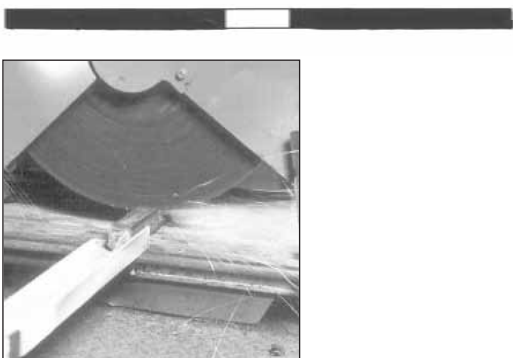


A24-RFB Metal

PART NO.	SIZE	MAX. RPM
GHT AB1175	14 x 1/8 x 20 mm	5,400

Reinforced Resin Chop-Saw Wheels

TYPE 1



A24-RFB Metal

PART NO.	SIZE	MAX. RPM
GHT AB1130	12 x 3/32 x 1	5,100
GHT AB1170	14 x 3/32 x 1	4,400

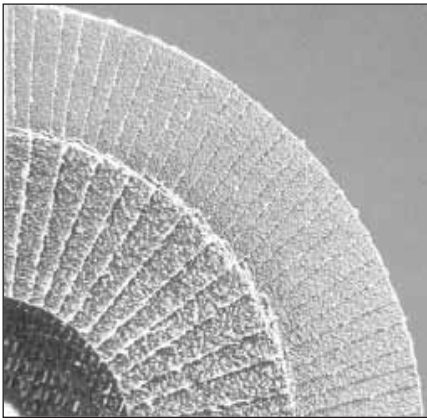
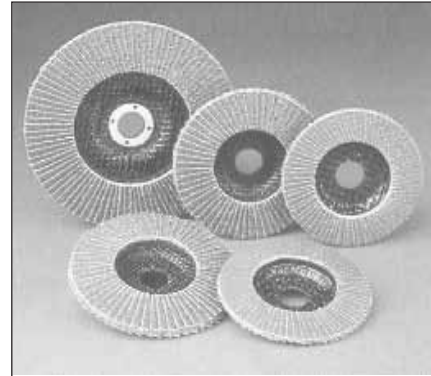
GRINDING & CUT-OFF DISCS

Flap Discs

TYPE 'Z' ZIRCONIUM

Flap discs are constructed of tough zirconium cloth and can be used in all carbon or stainless steel applications.

Flap discs are recommended for use anywhere resin fibre discs are currently used, especially in large quantities. They provide as much as 20 times (or more) the life of conventional resin fibre discs. Consistent finishes are produced using a light weight product with the least amount of down time. By providing desirable finishes with aggressiveness in one process, the need to use depressed centre grinding wheels in conjunction with resin fibre discs can be eliminated.



EXTRA LONG LIFE METAL & STAINLESS

PART NO.	SIZE	GRIT	MAX
GHT D5050	5 x 7/8	60	12,150

ABRASIVE ROLLS

HANDY ROLLS 10 YARD

Aluminum Oxide Cloth

PART NO.	SIZE	GRIT
GHT DB1020	1 X 10	60
GHT DB1030	1 X 10	80
GHT DB1040	1 X 10	100
GHT DB1050	1 X 10	120
GHT DB1060	1 X 10	150
GHT DB1070	1 X 10	180
GHT DB1090	1 X 10	240
GHT DB1110	1 X 10	320
GHT DB1130	1 X 10	400



ABRASIVE SHOP ROLLS



ALUMINUM OXIDE CLOTH ROLLS 50 YARD

PART NO.	SIZE	GRIT
GHT DB1220	1 x 50	60
GHT DB1230	1 x 50	80
GHT DB1240	1 x 50	100
GHT DB1250	1 x 50	120
GHT DB1260	1 x 50	150
GHT DB1270	1 x 50	180
GHT DB1290	1 x 50	240
GHT DB1310	1 x 50	320
GHT DB1330	1 x 50	400



**SEE SECTION 6
FOR AIR COMPRESSOR TOOLS
AND ACCESSORIES**

GREASE GUN & INJECTORS

Grease Gun - Lever & Pistol Grip Type

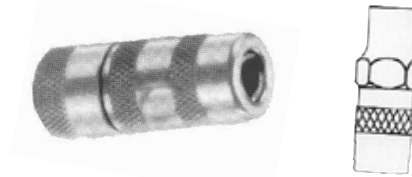
- Supplied with 7" detachable metal spout.
- 3 way filling.
- 11" body accepts 14 oz. cartridges or can be filled by hand.

PART NO.	DESCRIPTION
LUB G4805	Lever type grease gun
LUB A480N	Pistol grip type gun



Grease Gun Couplers

PART NO.	DESCRIPTION
LUB 806	1/8" NPT 3 JAW
LUB 806HD	Heavy Duty Coupler - 1/8" NPT



Grease Gun Rigid Delivery Tubes

PART NO.
LUB GP-230



Grease Hose Assemblies

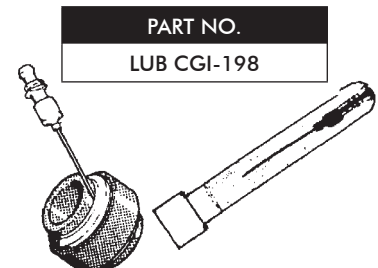
- 3/16" I.D.
- Single Wire Braid
- 10,000 lbs. Burst Pressure

PART NO.	DESCRIPTION
HYD W08	8" long
HYD W12	12" long
HYD W15	15" long
HYD W18	18" long



Grease Injectors

- Lubricate sealed bearings - the injector goes under or through seal.
- Prevents dust, moisture, and rust build up, and reduces friction wear.
- Regular servicing of machines and motors will add years to their life.
- The injector tip is thin, flexible, surgical grade stainless steel tapered to get under the seal lip.
- The very fine outer diameter (19 to 20 gauge) of the tip allows insertion into the small relube holes in the outer ring of some sealed bearings.
- Fits standard grease guns giving flexible access to bearings, perfect for those hard to reach spots.



LEVER TOOLS

Puller



Puller is a highly versatile tool that can be used to efficiently pull, lift, drag or stretch. The weatherized braking system is so reliable, the load is always under control and can be positioned at any point. Even under hostile conditions, the tool resists malfunction due to dust, grit and water that can cause brake slippage. The Puller incorporates hardened steel CM Hoistaloy Load Chain. The frame and handle are made of lightweight aluminum alloy. Latch type hooks are made from hardened forged steel. Load Limiter and Anchor Sling are available as options. Load Limiter, available on new units or in kit form, assures protection in overload conditions. When dangerous overloads are applied to the tool by the application of excessive lever force, the Load Limiter stops additional transmission of lever forces to the tool. Anchor Sling, available for $\frac{3}{4}$ and 1 $\frac{1}{2}$ ton units, simplifies attachment when application or space limitations prevent a straight line pull from hook to hook. Latchlok hook available as optional equipment.



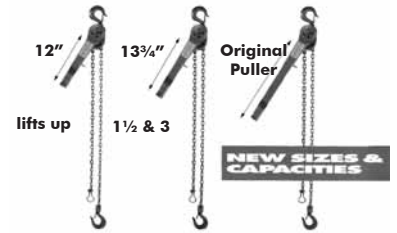
PART NO. FEATURES	GEA 4043-5	GEA 4045-5	GEA 4047-5	LOAD LIMITER KIT OPTIONS		ANCHOR SLING KIT OPTIONS	
				GEA 4190	GEA 4191	GEA 4071	GEA 4072
Capacity	$\frac{3}{4}$ ton	1 $\frac{1}{2}$ ton	3 ton	$\frac{3}{4}$ ton	1 $\frac{1}{6}$ - 6 ton	$\frac{3}{4}$ ton	1 $\frac{1}{2}$ ton
Standard Lift	5'	5'	5'	-	-	-	-
Pull on Lever to Lift Full Load	58 lbs.	83 lbs.	95 lbs.	-	-	-	-
Net Weight	14 lbs.	24 lbs.	34 lbs.	4 lbs.	4 lbs.	2 lbs.	4 $\frac{3}{4}$ lbs.
Minimum Distance Between Hooks	10 $\frac{3}{4}$ "	14 $\frac{1}{4}$ "	17"	-	-	-	-
Std. Lever Length	21 $\frac{1}{4}$ "	21 $\frac{1}{4}$ "	21 $\frac{1}{4}$ "	-	-	-	-



LEVER TOOLS

Short Handle Lever Tool

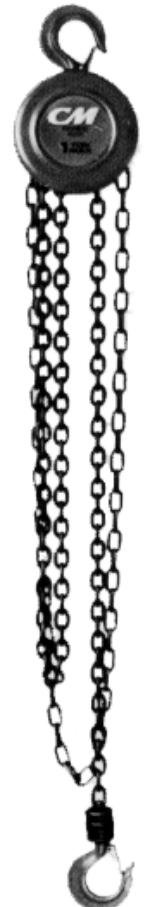
With a 12" handle (that's 9 1/4" shorter than standard model), CM's short handle lever tool can pull, lift, drag or stretch where there used to be too little room to pull, lift, drag or stretch. Offers easy one-hand operation from any position, tough yet lightweight aluminum alloy construction, a weatherproof powder coat finish, CM's Hoistaloy load chain, easy maintenance and long service...not to mention CM's life-time warranty. Made in the USA.



RATED CAPACITY (TONS)	PART NO.	STANDARD LIFT (FT.)	REEVING	PULL TO LIFT FULL LOAD (LBS.)	LEVER LENGTH (IN.)	HOOK THROAT OPENING (IN.)	MINIMUM DISTANCE BETWEEN (IN.)	APPROX. SHIPPING WT. (LBS.)
3/4	GEA 7300P	5	1	45	12	1 1/32	12 1/4	16
1 1/2	GEA 7320P	5	1	55	16 3/4	1 1/8	14 3/4	27
3	GEA 7330P	5	2	62	16 3/4	1 3/16	17 5/8	40

Series 622 Hand Chain Hoists

The 622 comes equipped with hardened load chain for flexibility, strength and long wear. Guide slots in the wheel cover guard against chain slippage and jamming. Standard features include load sharing gears and a lubrication free Weston-type load brake. The compact design and low headroom make it simple to install in confined areas with no adjustments necessary. It is available in capacities from 1/2 through 10 tons. Rugged, lightweight and easy to handle, the Series 622 is an economical hand hoist with outstanding value. For use in a variety of commercial applications.



PART NO.	GEA 2202-8	GEA 2204-8	GEA 2206-8	GEA 2207-8	GEA 2209-8
Capacity	1/2 ton	1 ton	2 tons	3 tons	5 tons
Standard Lift	8'	8'	8'	8'	8'
Strands of Chain	1	1	1	2	2
Chain Overhauled to Lift Load One Foot	32'	39'	77'	154'	154'
Chain Pull to Lift Rated Load	45 lbs.	74 lbs.	70 lbs.	54 lbs.	74 lbs.
Net Weight	15 lbs.	22 lbs.	53 lbs.	69 lbs.	74 lbs.

TROLLEYS



Series 632 Ball Bearing Trolley

Revolutionary design advances make this trolley shorter, more compact and 50% lighter than conventional trolleys, yet it's every bit as rugged. Exclusive Dial-Fit collars adapt to a wide range of Beams in minutes. No time consuming washer adjustment. And the Series 632 can negotiate radius curves as tight as 7 to 10 inches, depending on capacity. Includes hardened steel double-row ball bearing universal tread track-wheels.

PART NO.	MAXIMUM CAPACITY	DEPTH	FLANGE WIDTH	TREAD DIA. OF WHEELS	NET WEIGHT
GEA 3222	1/2 ton	4" - 12"	2 5/8" - 5 1/16"	2 3/4"	11 lbs.
GEA 3224	1 ton	4" - 12"	2 5/8" - 5 1/16"	2 3/4"	12 lbs.
GEA 3226	1 1/2 ton - 2 tons	6" - 15"	3 3/8" - 5 5/8"	3 1/2"	25 lbs.
GEA 3230	3 tons	8" - 18"	4" - 6 1/4"	3 1/2"	32 lbs.



Also available for beams larger than listed or for wide flange beams. Rails or tracks with approximately equivalent flange width.

Series 633 Ball Bearing Trolley

Versatile, all-purpose trolley can be used with any hook suspended hoist. Hardened universal tread flanged track wheels are ball bearing equipped for easy rolling on American standard shapes, wide flange shapes., or patented rail. Rugged steel side plates are formed with trolley guards for added security and act as bumpers. Adapts to a wide range of beam adjustments. Trolley includes a standard hook plate.

PART NO.	MAXIMUM CAPACITY	DEPTH	FLANGE WIDTH	TREAD DIA. OF WHEELS	NET WEIGHT
GEA 3302	1/2 ton	3" - 15"	2 1/2" - 5 5/8"	2 9/32"	17 lbs.
GEA 3304	1 ton	5" - 24"	3" - 8"	3 15/32"	35 lbs.
GEA 3306	2 tons	6" - 24"	3 5/8" - 8"	3 15/16"	53 lbs.
GEA 3307	3 tons	8" - 24"	4" - 8"	5 1/8"	101 lbs.
GEA 3309	5 tons	10" - 24"	4 5/8" - 8"	6 1/8"	145 lbs.



CHAIN HOISTS



Series 627 Lodestar Electric Chain Hoist

SINGLE SPEED - 10' LIFT

Lodestar - The world-class leader in design and construction...

For years, the Lodestar electric chain hoist from Columbus McKinnon has set the highest performance standards for electric chain hoists. The balanced, integrated, proven design of the Lodestar has made it the most popular electric chain hoist in Canada.

The Lodestar electric chain hoist gives you more value for your money, including:

- More standard features than any other electric chain hoist.
- Easiest installation and maintenance.
- Most energy-efficient operation.
- Designed for heavy duty industrial applications.
- Greatest versatility and performance.

The Lodestar electric chain hoist has been proven time and time again in a wide range of industrial applications.

Compare the Lodestar features here to those of other hoists. You'll see that the Lodestar electric chain hoist can provide superior performance in your most demanding applications.

THE MOST EFFICIENT HOIST IS THE MOST ECONOMICAL HOIST.

Superior design, engineering and manufacturing make the CM Lodestar electric chain hoist the most efficient electric chain hoist on the market. The savings you get from reduced maintenance, greater productivity, increased versatility, plus performance superior to other hoists in the same class mean the Lodestar from CM is the most cost-effective electric chain hoist you can buy.

When you want the most cost-effective performance your money can buy, choose the Lodestar from CM - another leader in the CM family of electric chain hoists.

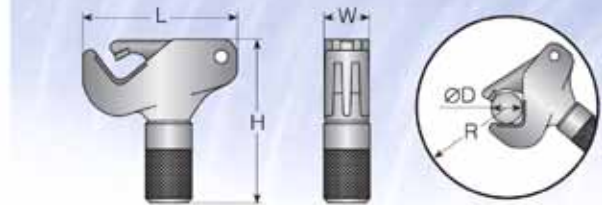


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NES® THREAD REPAIR TOOL

Universal Thread Repair Tool - External




MIS NES1A Cat # 06001

	ØD Range	Pipes	L	W	H	R	Packaged Size		Weight		
							W	H	lb	gm	
inch	5/32" - 3/4"	Up to - 7/16"	2 3/8"	29/32"	2 7/16"	2 11/16"	4 1/2"	7 3/8"	0.5	225	
mm	4-19		61	23	62	68	115	187			

Replacement Blades:

- RK 1 60° Cat # 00010 (fitted as standard)
- RK 1 55° Cat # 00020

MIS NES2 Cat # 02000


	ØD Range	Pipes	L	W	H	R	Packaged Size		Weight		
							W	H	lb	gm	
inch	11/16" - 1 1/2"	3/8" - 1 1/8"	4 1/8"	1 1/2"	4 5/16"	4 5/8"	5 5/16"	8 1/8"	1.2	550	
mm	17-38		105	32	110	117	135	205			

Replacement Blades:

- RK 2 60° Cat # 00030 (fitted as standard)
- RK 2 55° Cat # 00040
- RK2 60° Cat # 00031F - For threads finer than 17 TPI or 1.5mm
- RK2 55° Cat # 00041F - For threads finer than 17 TPI or 1.5mm



MIS NES3 Cat # 03000

	ØD Range	Pipes	L	W	H	R	Packaged Size			Weight		
							L	W	H	lb	gm	
inch	1 3/8" - 6"	1" - 5 1/2"	12"	1 1/4"	5 1/8"	9 7/8"	12 3/8"	2"	5 1/2"	4.0	1820	
mm	35-152		305	32	130	250	315	51	140			

Replacement Blades:

- RK 3 60° Cat # 03010 (fitted as standard)
- RK 3 55° Cat # 03020
- RK 3 60° Cat # 03011C - For threads coarser than 7 TPI or 3.5mm
- RK 3 55° Cat # 03021C - For threads coarser than 7 TPI or 3.5mm
- RK 3 60° Cat # 03012F - For threads finer than 14 TPI or 1.75mm
- RK 3 55° Cat # 03022F - For threads finer than 14 TPI or 1.75mm

MIS NES3 Keyway Skip Accessory

Cat #03101 for threads finer than 2.5 mm or 10 TPI
 Cat #03104 for threads coarser than 2.5 mm or 10 TPI

Providing a new dimension to Nes 3. This accessory enables the versatile re-threader to glide over keyway, slots, grooves or channels. For repairing damaged threaded shafts with slots for key or tab washer, choose the appropriate addition cutter for best results.



NES® THREAD REPAIR TOOL

NES Sets - External

MIS NES1000 External External 4-38 mm $\frac{5}{32}$ " - $1\frac{1}{2}$ "

Model	Cat. #	Contents		Packaged Size			Weight		
				L	W	H	lb	gm	
Nes 1000	01000	Nes external 1A Nes External 2	RK 1 60° RK 2 60°	inch	10 $\frac{1}{16}$ "	6"	1 $\frac{13}{16}$ "	2.7	1200
				mm	256	152	46		

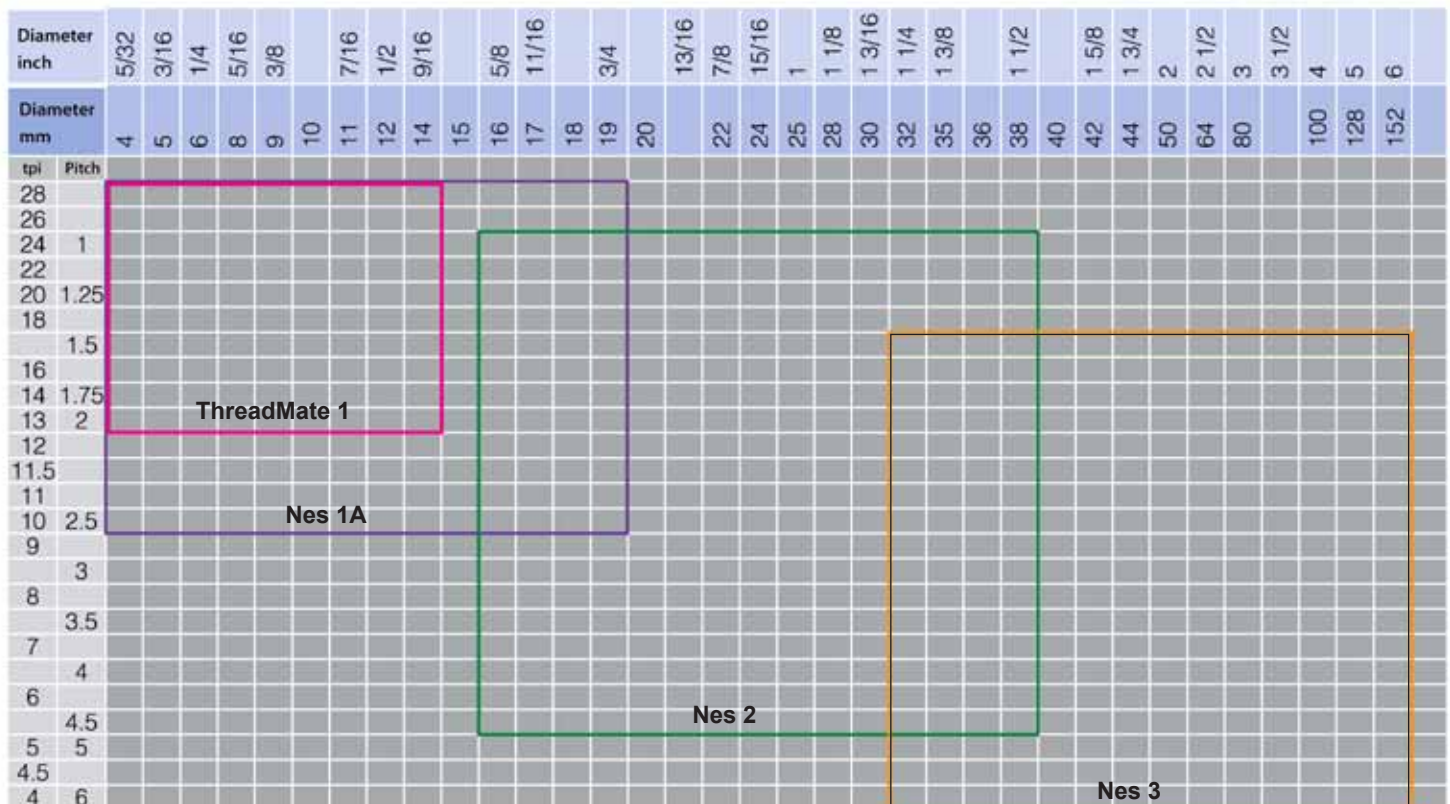


MIS NES1300 External External 4-152 mm $\frac{5}{32}$ " - 6"

Model	Cat. #	Contents		Packaged Size			Weight		
				L	W	H	lb	gm	
Nes 1300	01300	Nes external 1A Nes External 2 Nes External 3 Nes Cleaner Nes 3 extension handle	RK 1 60° RK 2 60° RK 3 60°	inch	17"	9 $\frac{1}{2}$ "	2 $\frac{9}{16}$ "	8.4	3750
				mm	430	240	65		




Recommendation for NES External Tool Selection




Color Key: ■ ThreadMate 1 ■ Nes 1A ■ Nes 2 ■ Nes 3

NES® THREAD REPAIR TOOL

NES Sets - Combination


MIS NES1015 Combination External 4-19 mm $\frac{5}{32}$ " - $\frac{3}{4}$ " Internal 8-16 mm $\frac{5}{16}$ " - $\frac{5}{8}$ "

Model	Cat. #	Contents		Packaged Size			Weight		
				L	W	H	lb	gm	
Nes 1015	01015	Nes External 1A Nes Internal 21 Nes Internal 22	RK 1 60° RK 21 60° RK 22 60°	inch	10 $\frac{1}{16}$ "	6"	1 $\frac{13}{16}$ "	1.7	800
				mm	256	152	46		



MIS NES1017 Combination External 4-19 mm $\frac{5}{32}$ " - $\frac{3}{4}$ " Internal 8-20 mm $\frac{5}{16}$ " - $1\frac{13}{16}$ "

Model	Cat. #	Contents		Packaged Size			Weight		
				L	W	H	lb	gm	
Nes 1017	01017	Nes External 1A Nes Internal 21 Nes Internal 22 Nes Internal 23	RK 1 60° RK 21 60° RK 22 60° RK 23 60°	inch	10 $\frac{1}{16}$ "	6"	1 $\frac{13}{16}$ "	2.2	1000
				mm	256	152	46		



MIS NES1025 Combination External 4-38 mm $\frac{5}{32}$ " - $1\frac{1}{2}$ " Internal 8-32 mm $\frac{5}{16}$ " - $1\frac{1}{4}$ "

Model	Cat. #	Contents		Packaged Size			Weight		
				L	W	H	lb	gm	
Nes 1025	01025	Nes External 1A Nes External 2 Nes Internal 21 Nes Internal 22 Nes Internal 23 Nes Internal 24	RK 1 60° RK 2 60° RK 21 60° RK 22 60° RK 23 60° RK 24 60°	inch	10 $\frac{13}{16}$ "	8 $\frac{1}{16}$ "	1 $\frac{15}{16}$ "	4.9	2200
				mm	275	205	50		




Nes®
The Thread Repair Experts

NES® THREAD REPAIR TOOL

NES Mini-Kit



MIS NES1044 MINI-KIT

External 4-13 mm $\frac{5}{32}$ " - $\frac{1}{2}$ " Internal 5-12 mm #12" - $\frac{1}{2}$ "



Model	Cat. #	Contents		Packaged Size			Weight		
				L	W	H	lb	gm	
Nes 1044 Mini-Kit	01044	TM External TM 20 Internal TM 21 Internal	4 Nylon Pad 20 4 Nylon Pad 21	inch	5 $\frac{13}{16}$ "	4 $\frac{1}{16}$ "	1 $\frac{3}{16}$ "	0.7	320
				mm	148	104	21		

Replacement Blades:

- RK TM20 60° + holder Cat # 06056
- RK TM20 55° + holder Cat # 06058
- RK TM21 60° + holder Cat # 06057
- RK TM21 55° + holder Cat # 06059



NES Mini-Kit Counter Display



MIS MINIKITDISPLAY Cat # 00006



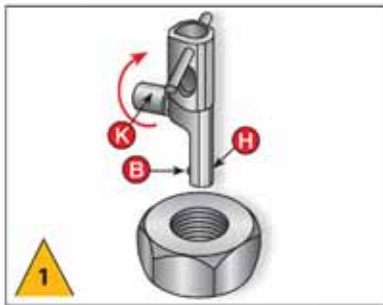
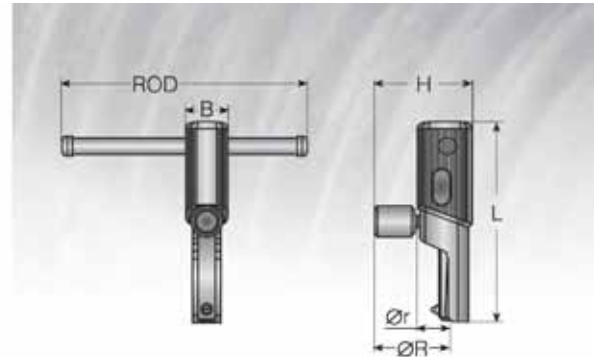
Present 6 Mini-Kits together

Features & Benefits:

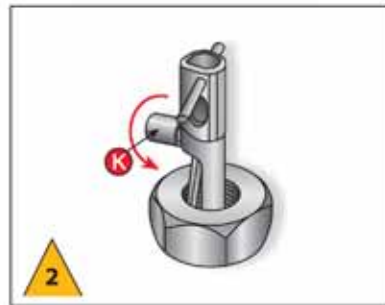
- Durable metal made display for long use.
- You can refill the set by buying separate sets or just order a new display.
- NEW! Unique designed Try-Me threads for demonstration. The customer can try and see the tool in action. Shop has free demo bar in house for better sales results.
- Patented universal thread repair tools are easy to use. Restore damaged thread to its original shape.
- ThreadMate will fit all thread type in any given diameter.
- Small size set can fit any toolbox.
- The set can fix any damaged thread in diameter between M5 (1/2) - M12 (1/2") Internal & M4 (5/32"-M13(1/2") External.
- MINI KIT is a great solution for outdoor technicians, industry maintenance, workshop, auto garages, marine use, farmers, auto mechanics, professional & hobby user, motorcycle, bicycle.
- Set contains replaceable nylon pads for soft metal repair job.
- Cutting blades can be replaced when worn.
- Display contains 5 ThreadMate MINI KIT sets.
- Display Dimensions:
- (W) 150 mm x (L) 115 mm x (H) 240 mm.

NES® THREAD REPAIR TOOL

NES User Guide



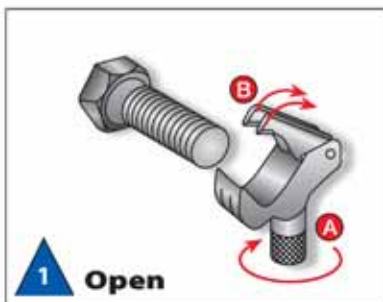
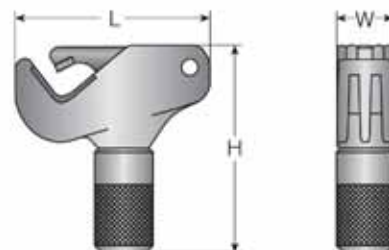
1 Turn knurled knob (**K**) to fully retract the blade (**B**) into housing (**H**). Insert **Nes Internal** tool into the threaded hole or bore to be repaired.



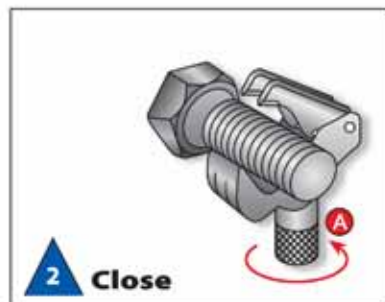
2 Turn knurled knob (**K**) to extend blade (**B**) into a thread groove on an undamaged section and tighten by hand only.



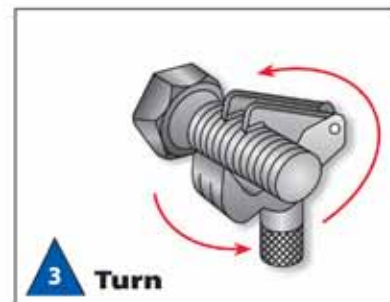
3 Rotate the **Nes Internal** tool by the cross-rod, as shown, in the desired direction.



1 **Open** Turn handle (**A**) to raise floating blades (**B**). Place the **Nes External** tool over thread to be repaired.



2 **Close** Turn handle (**A**) to lower floating blades into grooves of thread and tighten by hand only.



3 **Turn** Turn the **Nes External** tool in direction of the arrow.