



H.K. Porter[®]

- Manual Cutters
- Hydraulic Cutters
- Pneumatic Cutters

Since 1880, H. K. Porter[®] has been the preeminent brand in industrial cutters with a worldwide reputation for quality, strength and durability. The extensive line of products includes manual cutters, hydraulic cutters, pneumatic cutters and accessories, designed to handle everything from light wires and brushes to heavy steel rods and bars.

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Cutting Tips

- When heavy cutting is involved, place one handle of the tool on the ground using foot pressure. This allows more power to be transferred to the cutting edges, and permits the cutting force to be applied to the upper handle.
- Use the correct cutting tool for the type, size, and hardness of the metal to be cut. Failure to do so can result in product damage or injury.
- Keep cutter jaws at right angles to piece being cut. Cutting diagonally may twist jaws and damage head.
- Do not twist or pry with tool while cutting.
- Do not exceed the full cut on a material whose hardness is unknown. Test hardness with slow pressure to see if material surface is being cut. The size of the metal you are cutting is not as important as material hardness.
- Do not exceed the cutter capacity that is marked on the jaw of the tool or its rating capacity in this catalog.
- Keep jaw bolts tight and joints oiled at all times. Inspect tool frequently for damage and replace worn parts.
- Maintain the original jaw bevel angles when sharpening out of line or chip cutting edges.



Safety Do's and Dont's

Wear your gloves and safety glasses at all times!

Do wear safety shoes.

Do remove oil or grease from your hands, from tools and from the floor and area where you will be working.

Do remember that metal can fly when cut. The harder the metal, the farther it will fly, and possibly cause injury.

Do warn those in the area when you intend to use a cutter and protect others.

Do use all tools as recommended.

Don't attempt to use a cutting, hand or power tool, until you fully understand its use.

Don't forget that metal fragments may fly and cause injury.

Don't use cutters for any application except those listed in this catalog.

Don't use H.K. Porter cutters on energized circuits, wire, or cable.

Don't use cutters that are damaged or need parts replaced due to wear.

Don't use cutter products on energized circuits, wire or cables.

Safety Precautions

DANGER

Indicates a high probability that death, severe bodily injury or major property damage could result.



Hard metals may snap off or fly through the air when cut. Always wear safety glasses and warn workers nearby to prevent injury from flying metal. Take precautions such as wrapping a cloth or rag around the cutting jaws to contain fragments during cutting.

WARNING

Is serious but less inevitable. There is some probability that death, severe bodily injury or property damage could result.



The "Safety Alert Symbol" symbol to the left is used to call attention to instructions concerning personal safety. Watch for this symbol. It points out important safety precautions. It means: "ATTENTION! Stay alert, personal safety may be in danger!" Read the message that follows this symbol and be alert to the possibility of personal injury or death resulting from misuse.

The use of any industrial tool may present hazards which can result in serious injury or death.

CAUTION

Is less serious but still demands attention. Indicates a hazard which may result in minor injury or property damage.

READ AND UNDERSTAND ALL DIRECTIONS BEFORE OPERATING ANY H.K. PORTER® MANUAL, HYDRAULIC OR PNEUMATIC TOOL

Frequently Asked Questions

- 1. What is the material to be cut?**
(See chart below)
- 2. What size is the material to be cut?**
Capacities of all hand-operated cutters are shown opposite each catalog listing. Power tool capacities are shown in the Power Tool Selector chart. Do not exceed listed capacities.
- 3. How hard is the material to be cut?**
Many of the materials illustrated in the chart above are made in varying degrees of hardness. The maximum hardness ratings that each hand and power tool is designed to cut are shown under each tool in this catalog.
Extra Hard Metals:
Up to Brinell 455/Rockwell C48
Hard Metals:
Up to Brinell 400/Rockwell C42
Medium Hard Metals:
Up to Brinell 300/Rockwell C31
Soft Metals:
Up to Brinell 200/Rockwell C15
- 4. Will numerous or few cuts be made in a day?**
The frequency of cuts to be made should be taken into consideration when choosing a cutter. HKP manufactures inexpensive hand cutters for light-duty work, heavy-duty cutters for tougher jobs, and hydraulic and pneumatic cutters for extremely hard materials and production cutting.

- 5. Is speed a factor in the cutting?**
Choose the proper cutter to fit the job requirements, whether an occasional cut is called for or fast, continuous, industrial production cutting.

Still not sure?

Send material samples to:
Cooper Hand Tools - Sumter Plant
Industrial Park
Sumter, SC 29154
Attn: HKP Test Material

NOTE: PROVIDE ANSWERS TO AS MANY OF THE QUESTIONS AS POSSIBLE.









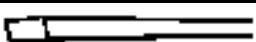































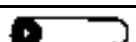

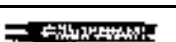



WARNING

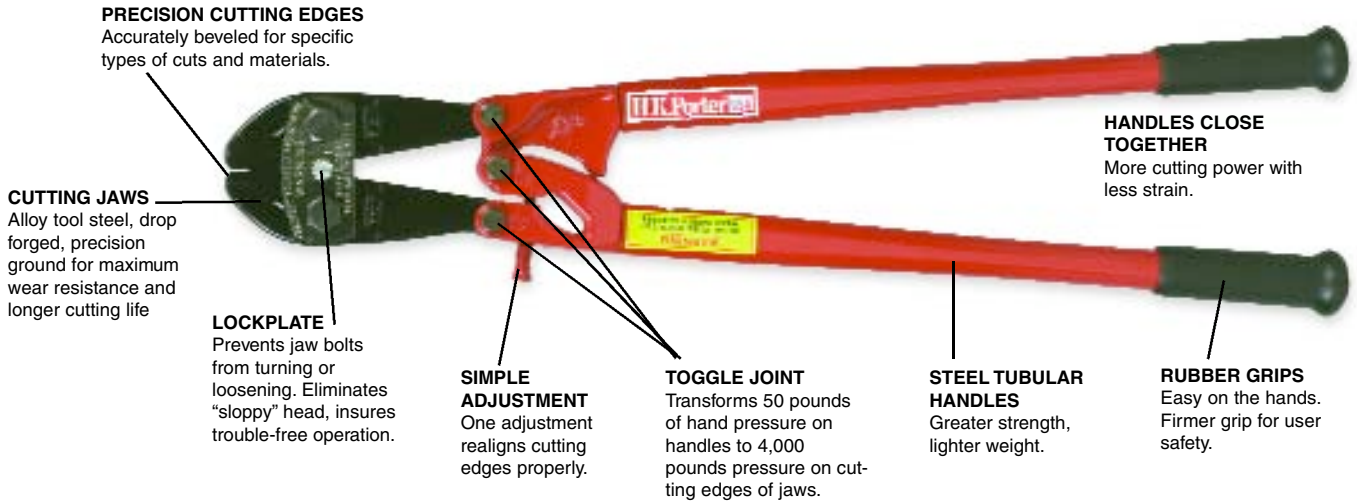
- Always wear safety glasses/goggles when cutting.
- Cut in a safe area. Consider the safety of others.
- The harder the material being cut, the greater it is to become airborne during cutting.
- Use tools correctly! (Refer to "Engineering Information" section of this catalog)
- Use the correct tool for the work being performed.
- Maintain tools, power supplies, and hoses in safe working condition.

Cutter Selection

H.K. Porter

 BARS, FLAT	 CABLE, PRESTRESSED	 NUT SPLITTING	 WIRE, FENCE
 BARS, ROUND	 CABLE, RUBBER COVERED	 PADLOCK HASPS	 WIRE, GUY
 BARS, SQUARE	 CABLE, SOFT, LARGE	 PIPE, PVC	 WIRE, HOT
 BOLTS, RODS, SCREWS, RIVETS	 CABLE, STEEL	 PLASTIC, FIBER	 WIRE, COPPER
 CABLE (ACAR)	 CHAIN	 ROD REINFORCING	 WIRE, MESH
 CABLE (ACSR)	 CHAIN, HARD ALLOY	 ROD STRAIGHTENER	 WIRE ROPE
 CABLE, ALUMINUM	 EHS GUY STRAND	 STRAPPING STEEL	 WIRE SHELVING
 CABLE COMMUNICATIONS	 METALS, HARD	 TIRE CHAINS	 WIRE, SOLID
 CABLE, COPPER	 METALS, MEDIUM HARD	 TRUCK TIRE BEADS	 WIRE, SPRING
 CABLE, LEAD COVERED	 METALS, SOFT	 WIRE, BOX BINDING	 WIRE, STAINLESS STEEL
 CABLE, POWER	 NAILS, COTTER PINS	 WIRE, ELECTRIC	 WROUGHT IRON

Quality Features of H.K. Porter® Cutters



PRECISION CUTTING EDGES
Accurately beveled for specific types of cuts and materials.

CUTTING JAWS
Alloy tool steel, drop forged, precision ground for maximum wear resistance and longer cutting life

LOCKPLATE
Prevents jaw bolts from turning or loosening. Eliminates "sloppy" head, insures trouble-free operation.

SIMPLE ADJUSTMENT
One adjustment realigns cutting edges properly.

TOGGLE JOINT
Transforms 50 pounds of hand pressure on handles to 4,000 pounds pressure on cutting edges of jaws.

STEEL TUBULAR HANDLES
Greater strength, lighter weight.

RUBBER GRIPS
Easy on the hands. Firmer grip for user safety.

HANDLES CLOSE TOGETHER
More cutting power with less strain.

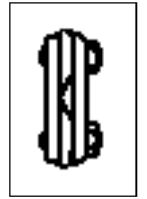
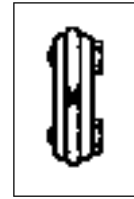
Jaw Designs

There are four basic jaw designs. They are engineered to give long, trouble-free life and the most efficient cutting of the materials which they are designed to cut.

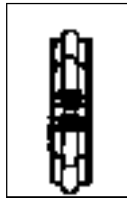
1 ANGULAR JAWS
30° offset jaws have clipper-cut blades, designed for cutting close or flush to a surface. Cuts soft or medium-hard material.



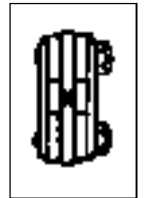
2 ALL-PURPOSE JAWS
Can have center- or clipper-cut blades used for broad cutting applications.



3 SHORT-NOSED JAWS
Center-cut, carbide-tipped blades for cutting hard- and non-alloy chains and padlock hasps.



4 HEAVY-DUTY STRAP JAWS
Straps keep the cutting edges aligned under the most demanding applications.

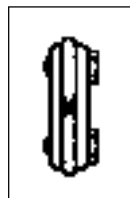


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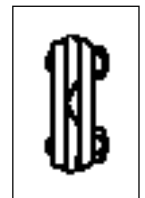
Cutting Blades

Four different cutting blade styles are available for specific types or broad ranges of cutting applications.

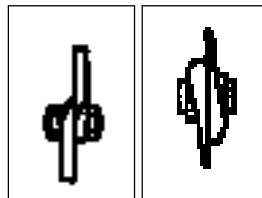
1 CENTER-CUT BLADES
Slightly rounded cutting edges, beveled on both sides, broaden cutting applications.



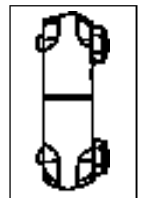
2 CLIPPER-CUT BLADES
Blades are beveled on only one side for smooth flush cuts that are close to workpiece.



3 SHEAR-CUT BLADES
Designed to cut coarse- or fine-strand cable with minimal strand distortion.



4 END-CUT BLADES
Blades are at right angles to handles for easier handling and "head-on" close cutting of materials.



Industrial Grade, Center Cut Cutters



END VIEW

- General plant maintenance tool
- Drop-forged, precision ground, alloy tool steel jaws with center-cut blades
- Cuts soft, medium, or hard materials
- Maximum hardness of material to be cut: Brinell 455/Rockwell C48
- Lockplate keeps jaws from loosening
- Toggle joints turn 50 lbs. hand pressure to 4000 lbs. cutting pressure
- Screw-type adjustment realigns edges
- Steel handles with rubber grips

Cat No.	UPC No.	Approx. Weight		Length		Soft and Medium Hard Materials (Up to Brinell 300, Rockwell C31)		Hard Materials (Up to Brinell 455, Rockwell C48)		Replacement Cutterhead	
		lbs	k	Inch	mm	Inch	mm	Inch	mm	Cat. No.	UPC No.
1490MC	037103913777	2 3/4	1	14	356	5/16	8	3/16	5	1413C	037103913456
0090MC	037103905529	3 1/2	2	18	457	3/8	10	1/4	6	0013C	037103904850
0190MC	037103907134	5 1/4	3	24	610	7/16	11	5/16	8	0113C	037103906205
0290MC	037103908094	8 1/2	4	30	762	1/2	13	3/8	10	0213C	037103907578
0390MC	037103909336	12 7/8	6	36	914	9/16	14	7/16	11	0313C	037103908599
0590MC	037103910790	17 1/8	8	42	1067	11/16	18	1/2	13	0513C	037103909930

General Purpose Center Cut Bolt Cutters



END VIEW

- Series 2000 Bolt Cutter
- Drop-forged jaws with center-cut blades. Heat treated for wear resistance and long cutting life
- Cuts soft, and medium/hard materials
- Maximum hardness of material to be cut: Brinell 300/Rockwell C31
- Toggle joints turn 50 lbs. hand pressure to 4000 lbs. cutting pressure
- Precision cast, 1-piece, aluminum alloy handles with rubber grips

Cat No.	UPC No.	Approx. Weight		Length		Soft Materials (Up to Brinell 200, Rockwell C15)		Hard Materials (Up to Brinell 300, Rockwell C31)		Replacement Cutterhead	
		lbs	k	Inch	mm	Inch	mm	Inch	mm	Cat. No.	UPC No.
1490AC	037103040978	1.7	.8	14	356	5/16	8	1/4	6	1413AC	037103059543
0090AC	037103040985	2.4	1.1	18	457	3/8	10	5/16	8	0013AC	037103059550
0190AC	037103040992	4	1.8	24	610	7/16	11	3/8	10	0113AC	037103059567

Industrial Grade, Clipper Cut Cutters

- All-purpose jaws with clipper-cut blades for close or flush cutting
- Not for cutting hard materials
- Maximum hardness of material to be cut: Brinell 300/Rockwell C31
- Lockplate keeps jaws from loosening
- Toggle joints turn 50 lbs. hand pressure to 4000 lbs. cutting pressure
- Screw-type adjustment realigns edges



END VIEW



Cat No.	UPC No.	Approx. Weight		Length		Soft and Medium Hard Materials (Up to Brinell 200, Rockwell C15)		Hard Materials (Up to Brinell 300, Rockwell C31)		Replacement Cutterhead	
		lbs	k	Inch	mm	Inch	mm	Inch	mm	Cat. No.	UPC No.
1490MNE	037103913784	2 3/4	1	14	356	5/16	8	1/4	6	1413NE	037103913487
0090MNE	037103905574	3 1/2	2	18	457	3/8	10	5/16	8	0013NE	037103904959
0190MNE	037103907196	5 1/4	3	24	610	7/16	11	3/8	10	0113NE	037103906311
0290MNE	037103908124	8 1/2	4	30	762	1/2	13	7/16	11	0213NE	037103907653
0390MNE	037103909411	12 7/8	6	36	914	9/16	14	1/2	13	0313NE	037103908698

General Purpose, Center Cut Cutters

- All-purpose jaws with center-cut blades
- Cuts soft, medium, and hard metals
- Maximum hardness of material to be cut: Brinell 455/Rockwell C48
- Lockplate keeps jaws from loosening
- Toggle joints turn 50 lbs. hand pressure to 4000 lbs. cutting pressure
- Screw-type adjustment realigns edges
- Strong, lightweight fiberglass handles
- Popular cutter

Lightweight, Fiberglass Handles



END VIEW



Cat No.	UPC No.	Approx. Weight		Length		Soft and Medium Hard Materials (Up to Brinell 300, Rockwell C31)		Hard Materials (Up to Brinell 455, Rockwell C48)		Replacement Cutterhead	
		lbs	k	Inch	mm	Inch	mm	Inch	mm	Cat. No.	UPC No.
0090FC	037103905451	3 1/2	2	18 1/4	464	3/8	10	1/4	6	0013C	037103904850
0190FC	037103907073	4 1/2	2	24 1/2	622	7/16	11	5/16	8	0113C	037103906205
0290FC	037103908032	7 1/2	4	30 1/2	775	1/2	13	3/8	10	0213C	037103907578
0390FC	037103909299	11 1/2	5	36 1/2	927	9/16	14	7/16	11	0313C	037103908599

Angular Style Cutters

For Soft and Medium Hard Metals to 1/2" (13mm)



END VIEW

- Angular-style jaws with clipper-cut blades, have a 30° offset to keep work in view and hands clear of work surface while cutting
- Cuts soft and medium materials
- Maximum hardness of material to be cut: Brinell 300/Rockwell C31

Cat No.	UPC No.	Approx. Weight		Length		Soft Steel & Non-Ferrous Metals Up to Brinell 200, Rockwell C15		Medium Hard Metals Up to Brinell 300, Rockwell C31		Replacement Cutterhead	
		lbs	k	Inch	mm	Inch	mm	Inch	mm	Cat. No.	UPC No.
1490MAF	037103913760	3	2	14	356	5/16	8	1/4	6	1413AF	037103913449
0190MA	037103907127	5 1/2	3	24	610	7/16	11	3/8	10	0113A	037103906199
0390MA	037103909329	13 1/8	6	36	914	9/16	14	1/2	13	0313A	037103908582

Heavy Duty Cutters

Center Cut



END VIEW

- Recommended for the most demanding hand cutting applications
- Heavy-duty straps support the jaws
- Maximum hardness of material to be cut: Brinell 455/Rockwell C48
- Lockplate keeps jaws from loosening
- Toggle joints turn 50 lbs. hand pressure to 4000 lbs. cutting pressure
- Screw-type adjustment realigns edges
- Available with tubular steel or lightweight, fiberglass handles

Cat No.	UPC No.	Approx. Weight		Length		Hard Metal, Wire Mesh and Reinforcing Rod and Bar		Replacement Cutterhead		
		lbs	k	Inch	mm	Inch	mm	Cat. No.	UPC No.	
0190MCX	037103907165	5 1/2	3	24	610	5/16	8	0113CX	037103906236	
0290MCX	037103908100	9 1/4	4	30	762	3/8	10 (#3 Bar)	0213CX	037103907608	
0390MCX	037103909350	14 1/8	7	36	914	7/16	11	0313CX	037103908612	
0590MCX	037103910813	18 1/4	8	42	1067	1/2	13 (#4 Bar)	0513CX	037103909961	
As above, but with lightweight, fiberglass handles.										
0190FCX	037103907080	5 1/2	2	24	610	5/16	8	0113CX	037103906236	
0390FCX	037103909312	11 1/2	5	36	914	7/16	11	0313CX	037103908612	

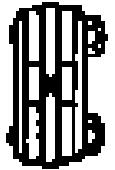
Heavy Duty Cutters with Keeper

For Steel Cable 1/2" (13mm)

- Center cut jaws
- Heavy-duty straps support the jaws
- Cuts hard metals and bolts, rods, bars, ACSR, and ACAR
- Lockplate keeps jaws from loosening
- Toggle joints turn 50 lbs. hand pressure to 4000 lbs. cutting pressure
- Screw-type adjustment realigns edges
- Swing-away keeper holds EHS guy wire and pre-stressed cable in position and prevents cable spreading or deforming, gives complete cut of all strands
- Available in 2 sizes



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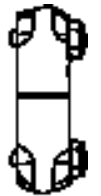
Cat No.	UPC No.	Approx. Weight		Length		Prestressed EHS Guy Strand, ACSR and ACAR Cable		Replacement Cutterhead	
		lbs	k	Inch	mm	Inch	mm	Cat. No.	UPC No.
0190MCK	037103907141	6 1/2	3	24	610	5/16	8	0113MCK	037103906298
0390MCK	037103909343	14 1/2	7	36	914	7/16	11	0313MCK	037103908681

End Cut Nipper

- End-cut blades are at right angles to handles for easier handling and head-on, close cutting in confined spaces
- Cuts soft materials
- Maximum hardness of material to be cut: Brinell 200/Rockwell C15
- Lockplate keeps jaws from loosening
- Toggle joints turn 50 lbs. hand pressure to 4000 lbs. cutting pressure
- Screw-type adjustment realigns edges
- Cutterhead available for 9190E Pneumatic cutter



END VIEW



Cat No.	UPC No.	Approx. Weight		Length		Soft Steel, Non-Ferrous Material		Wrought Iron		Soft Bolts, Rivets, Screws, Wire	
		lbs	k	Inch	mm	Inch	mm	Inch	mm	Inch	mm
0190ME	037103907172	5 3/8	3	24	610	5/16	8	5/16	8	5/16	8

Bolt Cutter/Cable Cutter



END VIEW

- Cuts soft, medium hard, and hard materials
- Cuts metal rod to 7/16" diameter
- Strap cuts wire rope to 1/4" diameter
- Maximum hardness of material to be cut: Brinell 455/Rockwell C48
- Lockplate keeps jaws from loosening
- Toggle joints turn 50 lbs. hand pressure to 4000 lbs. cutting pressure
- Screw-type adjustment realigns edges

Cat No.	UPC No.	Approx. Weight		Length		Soft and Medium Hard Materials (Up to Brinell 300, Rockwell C31)		Hard Materials (Up to Brinell 455, Rockwell C48)		Replacement Cutterhead	
		lbs	k	Inch	mm	Inch	mm	Inch	mm	Cat. No.	UPC No.
0190MCS	037103907158	5 1/2	25	24	610	7/16	11	5/16	8	0113MCS	037103906304

Heavy Duty Cutters

For Hard, Non-Alloy Chain 1/2" (13mm) Capacity



END VIEW

- Extremely strong, durable tool
- Short-nosed jaws with high-tempered, center-cublades
- Cuts hard, non-alloy chain
- Maximum hardness of material to be cut: Brinell 455/Rockwell C48
- Lockplate keeps jaws from loosening
- Toggle joints turn 50 lbs. hand pressure to 4000 lbs. cutting pressure
- Screw-type adjustment realigns edges
- MHX tools feature heavy duty straps

Cat No.	UPC No.	Approx. Weight		Length		Hard and Non-Alloy Chain (Up to Brinell 455 Rockwell C48)		Padlocks Non-Alloy		Replacement Cutterhead	
		lbs	k	Inch	mm	Inch	mm	Inch	mm	Cat. No.	UPC No.
0190MHC	037103907189	5 1/4	3	24	610	5/16	8	5/16	8	0113HC	037103906274
0390MHX	037103909367	13	6	36	914	7/16	11	7/16	11	0313HCX	037103908650
0590MHX	037103910820	18	8	42	1067	1/2	13	1/2	13	0513HCX	037103909978

Hand-Operated, Work Station Cutters

- 4 blade styles: shear-cut (with or without notching), center-cut, clipper-cut, and hard chain
- Other cutterheads available on order
- Cuts non-ferrous materials, soft, medium, and hard steel, non-alloy chain, and wire rope
- Maximum hardness of materials to be cut: Brinell/Rockwell 455/C48, and 300/C31
- 21" handle
- Can be mounted to bench or work station
- Base measures 3x6" (76x152mm)
- Weighs 8 lbs. (4 kg)



SELECT FROM 4 TYPES OF CUTTER-HEADS



0113TN = NOTCHED SHEAR CUTTER



0113C = CENTER CUT



0113NE = CLIPPER CUT



0113HC = HARD CHAIN CUTTER

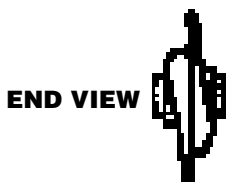
Cat No.	UPC No.	Soft Steel & Non-Ferrous				Medium Steel		Hard Steel		Non-Alloy Chain		Wire Rope	
		Brinell Hardness	Rockwell Hardness	Materials Inch	Materials mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
7190C	037103922809	400	C48	3/8	10	5/16	8	1/4	6	-	-	-	-
7190NE	037103922847	300	C31	3/8	10	5/16	8	-	-	-	-	-	-
7190TN	037103922908	400	C42	-	-	-	-	-	-	-	-	3/8	9
7190HC	037103922830	400	C48	-	-	1/4	6	1/4	6	1/4	6	-	-

H.K. Porter

Shear Type Hand Operated Cutters

- Lightweight, rugged cutter
- Drop-forged, alloy tool steel jaws with shear-cut blades
- Cuts copper or aluminum, power and communications cable
- Fiberglass handles for 2-handed control and reduced weight

Power and Communications Cable Cutters



Cat No.	UPC No.	Approx. Weight		Length		Copper Power Cable	Aluminum Power Cable	Communications Cable		Replacement Cutterhead	
		lbs	k	Inch	mm			Inch	mm	Cat. No.	UPC No.
0290FCS	037103908063	4 1/2	2	25 1/2	648	500 MCM	750 MCM	1 3/8	35	0213CSS	037103907592
0390FCS	037103909305	6	3	32	813	750 MCM	1200 MCM	1 3/4	44	0313FCS	037103908643

Shear Type Cable Cutters

For Wire Rope to 3/4" (19mm)



- Notched, shear-cut blades hold and lock cable in cutting position
- Cuts steel cable, coarse- or fine-stranded cable, or wire rope with minimal distortion
- Toggle joints turn 50 lbs. hand pressure to 4000 lbs. cutting pressure
- Screw-type adjustment realigns edges

Cat No.	UPC No.	Approx. Weight		Length		Wire Rope		Hard Stainless Steel Cable		Aircraft Cable		Replacement Cutterhead	
		lbs	k	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Cat. No.	UPC No.
1490MTN	037103913807	2 3/4	1	14	356	1/4	6	1/4	6	1/4	6	1413TN	037103913494
0190MTN	037103907219	5	2	24	610	3/8	10	3/8	10	3/8	10	0113TN	037103906342
0390MTN	037103909435	12	6	36	914	5/8	16	5/8	16	5/8	16	0313TN	037103908704
0590MTN	037103910875	17	8	42	1067	3/4	19	3/4	19	3/4	19	0513TN	037103910035

“B” Strand Cutter

For Self-supporting Telephone Cable



- Support cable only up to 5/16"
- Notched, shear-cut blades hold and lock cable in cutting position,
- Cuts self-supporting steel cable and coarse or fine-stranded cable with minimal distortion

Cat No.	UPC No.	Approx. Weight		Length		Capacity	Replacement Cutterhead	
		lbs	k	Inch	mm		Cat. No.	UPC No.
0190MTQ	037103907233	5	2	24	610	5/16"	0113TQ	037103906359

ACSR, Wire Rope and Cable Cutter



- An economical tool for general cutting
- Shear-cut blades
- Cuts soft and hard steel cable, wire rope, and small ACSR cable

Cat No.	UPC No.	Approx. Weight		Length		Copper, Aluminum		Wire Rope		ACSR	
		lbs	k	Inch	mm	Inch	mm	Inch	mm	Inch	mm
0290FHJ	037103908070	4 3/4	2.2	28	710	1	25	1/2	13	7/16	120

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Swaging Tool

- For crimping cable ferrules and stops
- Strap cuts wire rope to 1/4"



Cat No.	UPC No.	Approx. Weight		Length		Capacity
		lbs	k	Inch	mm	
0190NSL	037103152688	7	3	25	635	1/16 - 3/16"

Communications Cable Cutters

- Shear-cut blades give clean, sharp cut with minimal distortion
- Cuts lead - and rubber-covered communications cable only
- Do NOT cut hard cable, ACSR, self-supporting strand, or steel



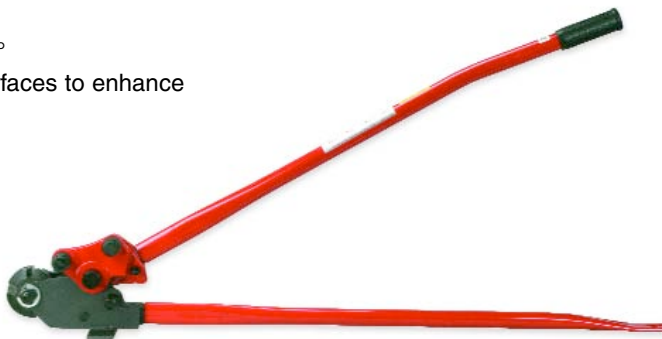
END VIEW



Cat No.	UPC No.	Approx. Weight		Length		Communications Cable Only		Replacement Handle/Blade Assy	
		lbs	k	Inch	mm	Inch	mm	Cat. No.	UPC No.
0190CSP	037103907066	5 1/4	3	23 1/2	597	1	25	0119CSP	037103906410
0390CSP	037103909275	10 3/4	5	37	940	2 1/4	57	0319CSS	037103908766

Rebar Cutter and Bender

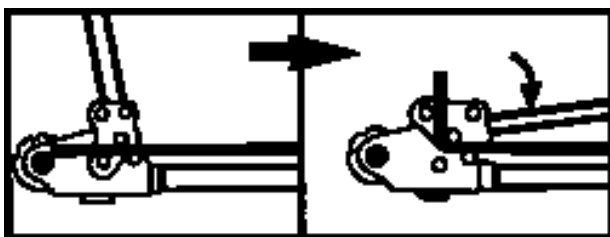
- Rugged contractor's tool
- Shear-cut blades
- Cuts and bends to 90° or 180°
- Mounts easily on most flat surfaces to enhance leverage and increase safety



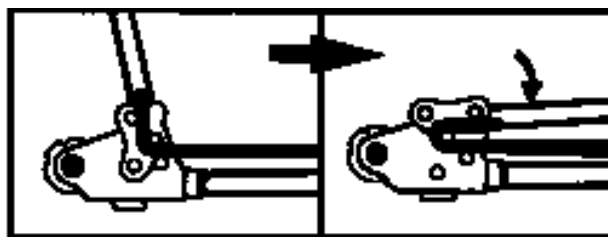
0590RBJN



0513RBJ



90° Bend



180° Bend

Cat No.	UPC No.	Approx. Weight		Length		Maximum Capacity		Replacement Jaws	
		lbs	k	Inch	mm	Inch	mm	Cat. No.	UPC No.
0590RBJN	037103222916	31	14	52	1320	5/8	16	0513RBJ	037103086242

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Compact, Electric Cable Cutter



- High-leverage jaws with shear-cut blades
- Do NOT cut steel or ACSR
- Plastic covered, non-slip grips
- Compact cutter fits into most tool pouches
- NOT an insulated tool
- Blister packed for easy point-of-purchase display

Cat No.	UPC No.	Approx. Weight		Length		Copper, Cable	Aluminum Cable
		lbs	k	Inch	mm		
0890CSJ	037103911919	1	0.454	9 1/2	241	2/0	4/0

Pocket Wire Rope and Cable Cutter



- Top-quality, pocket-size cutter
- Shear-cut blades
- Excellent cutter for 3/16" hard - 1/4" soft wire rope or cable, piano wire, or aircraft cable
- Packaged for easy point-of-purchase display

Cat No.	UPC No.	Approx. Weight		Length		Cable Capacity		Rod Capacity	
		lbs	k	Inch	mm	Inch	mm	Inch	mm
0690TN	037103911315	1	0.454	7 1/2	190	3/16	5	3/32	2.4

Wire Cutter



- Center-cut blades
- Cuts mild steel (Brinel 140) (80,000 PSI) to 5/32" diameter
- Cuts hard steel (HRC 44) (208,000 PSI) to 3/32" diameter

Cat No.	UPC No.	Approx. Weight		Length		Mild Steel Dia.		Hard Steel Dia.	
		lbs	k	Inch	mm	Inch	mm	Inch	mm
PWC9	037103925756	0.5	269	8 1/2	216	5/32	4	3/32	3

Steel Strap Cutter

For Strap to 3/4" (19mm)



- Sheer-cut blades give clean, smooth, easy cuts
- Lower jaw slides under the tightest strapping or staple
- Workhead has black oxide, rust-resistant finish
- Cuts steel strap up to 3/4" wide
- Spring action handles with Plastisol® grips open jaws automatically before and after each cut
- HKP's most popular strap cutter model

Cat No.	UPC No.	Approx. Weight		Length		Flat Steel Strap		Round Steel Tie Wire	
		lbs	k	Inch	mm	Inch	mm	Inch	mm
0990T	037103912053	1	1	9	229	3/4 x .035	19 x 1	.080	2

Nut Splitter

Splits Nuts up to 3/4", RC15

- Removes rusted or frozen nuts
- Center-cut blades
- Blades swivel 360° for ease in splitting hard to reach nuts
- Black-oxide, rust-resistant finish
- Plastisol-coated handle
- Place blades across nut at 90° angles, turn power screw with impact or hand wrench to split nuts
- Doesn't injure bolt or thread, splits both sides of nut at once



Cat No.	UPC No.	Approx. Weight		Length		Capacity	Replacement Blade (1 each)	
		lbs	k	Inch	mm		Cat. No.	UPC No.
1390PQ	037103913166	3 1/8	2	11 3/4	299	Cuts nuts up to 3/4" (19mm) across flats	1317PQ	037103912848

Handklip® Cutter

- Parrot-beak jaw with center-cut blades, to grasp wire and staples
- Cuts wire, cable, and light chain, up to 3/16" diameter, soft and med. hard metals up to 1/4" diameter, and medium hard chain link
- Maximum hardness of material to be cut: Brinell 300/Rockwell C31
- Screw-type adjustment realigns edges
- 1-handed operation
- Toolbox and pocket size
- Does NOT meet MIL-SPEC, customer service will provide information on MIL-SPEC tools



Cat No.	UPC No.	Approx. Weight		Length		Soft and Medium Hard Materials	
		oz	k	Inch	mm	Inch	mm
0690C	037103911261	13	.5	9	229	3/16	5

Steel Strap Cutter

Cuts Steel Strap up to 1 1/4" (32mm)

- Sheer-cut blades
- Workhead has black oxide, rust-resistant finish
- 1-handed operation gives extra leverage for continuous cuts of wide steel strap, quickly and cleanly
- Cushion grip handles



Cat No.	UPC No.	Approx. Weight		Length		Flat Steel Strap	
		lbs	k	Inch	mm	Inch	mm
1290G	037103912718	1 1/2	1	12	305	1 1/4 x .050	32 x 1

Heavy Duty, Steel Strap Cutter

For Strap to 2" (51mm)



- Sheer-cut blades
- Cuts heavy steel strapping up to 2"
- Excellent for pallets, loading and unloading freight cars, trucks, and ships
- Long-handled, goose neck, 2-hand operated cutter
- Keep hands away from cutting area

Cat No.	UPC No.	Approx. Weight		Length		Flat Steel Strap	
		lbs	k	Inch	mm	Inch	mm
2690GP	037103916242	7	3	24	610	2 x .050	51 x 1

Slotted Angle Iron Shear

- Used to make braces, shelves, and tables
- Lightweight, portable shear
- Shear-cut blades
- Cuts pre-drilled and slotted angles up to 45° on either leg



Cat No.	UPC No.	Approx. Weight		Length			Replacement Blades Lower		Replacement Blades Upper	
		lbs	k	Inch	mm	Cap. Inch	Cat No.	UPC No.	Cat No.	UPC No.
2790HKP	037103916556	14	6	38	965	3 x 1 1/2 x 1/8	2710HK	916327	2711HK	916341

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Ratchet-type One Hand Operated Soft Cable Cutter

1 3/16" (30mm) Capacity

- Compact size cutter
- Ratchet-type jaws with shear-cut blades
- Cuts copper and aluminum cleanly, leaves no burrs or sharp edges
- Quick release allows discontinuation of cutting with out completing the full cutting cycle
- 1-hand operation allows cutting in confined spaces
- Patented ratchet design
- Fits in toolbox or on toolbelt



3590FS



5090FS

Cat No.	UPC No.	Approx. Weight		Length		Frequent Use		Maximum Capacity	
		lbs	k	Inch	mm	Copper	Aluminum	Copper	Aluminum
3590FS	037103001474	1.1	.05	9	229	500 MCM	600 MCM	600 MCM	750 MCM
5090FS	037103001481	2 1/2	1.13	10 1/2	267	600 MCM	1000 MCM	750 MCM	1000 MCM

Compact Ratcheting Cable Cutter

1 3/16" (30mm) Capacity

- Compact, lightweight cutter, for confined spaces
- Ratchet-type jaws with shear-cut blades grip and hold while moderate pumping action cuts cable
- Leaves no burrs or sharp edges
- Both blades cut
- Fiberglass handles with non-slip, plastic grips
- Cutter has self-lubricating ratchet and only 6 moving parts
- Note: MCM capacity does not include cable insulation, MCM capacity equates to conductor size only



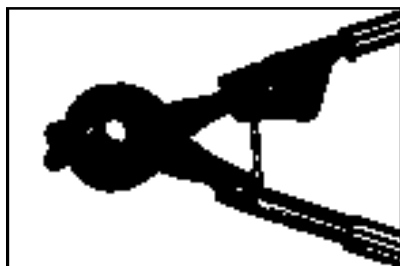
Cat No.	UPC No.	Approx. Weight		Length		Copper Cable	Aluminum Cable	Communication Cable	
		lbs	k	Inch	mm			Inch	mm
Soft Cable									
6990FS	037103922526	3 1/2	2	14	356	500 MCM	795 MCM	1 3/16	30
6990FSL	037103925787	3 1/2	2	19	483	750 MCM	795 MCM	1 3/16	30
Hard Cable									
						Single Core ACSR		Three Core ACSR	
6990FHL	037103134394	3 1/2	2	19	483	653 MCM		336 MCM	

*Do Not Cut EHS guy wire

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Ratchet Type, Soft Cable Cutter

2" (51mm) Capacity



- Jaw keeper prevents jaws from spreading while under heavy load
- Cuts copper and aluminum communications and power cable in sizes up to 2" (51mm), including rubber or lead covered cable
- Improved heavy duty jaw design
- Built for tough conditions
- Ratchet mechanism provides as much as 5 times mechanical advantage over manual cutters
- Cuts all types of copper and aluminum cables up to 2500MCM

Cat No.	UPC No.	Approx. Weight		Length		Copper and Aluminum Cable, All Types		Replacement Cutterhead	
		lbs	k	Inch	mm	Inch	mm	Cat. No.	UPC No.
8690FSK	037103060105	3 1/2	4	27 1/2	700	2	51	8613FSK	037103060112

Ratchet-type, Soft Cable Cutters

H.K. Porter



8790FSK



8790CS

- Jaws with shear-cut blades, have special pivoting handle to allow cutterhead to be opened to maximum width independent of handle position
- Cuts copper and aluminum, power and communications cable
- Specially designed to cut conductors with large insulation
- Maximum handle spread of 22" for working in confined spaces
- Advanced cutter gives mechanical advantage of over 50 to 1
- For special applications contact customer service department

Cat No.	UPC No.	Approx. Weight		Length		Copper and Aluminum Power/Comm. Cable		Replacement Cutterhead	
		lbs	k	Inch	mm	Inch	mm	Cat. No.	UPC No.
8790FSK	037103923684	10 1/2	5	27 1/2	700	2	51	8713FSK	037103084743
8790CS	037103923677	15	6	27 1/2	700	3	73	8713CS	037103923646

Ratchet-type, Soft Cable Cutter

3" (76mm) Capacity

- Shear-cut blades give fast, smooth, shearing cuts
- Cuts copper, aluminum, and rubber covered or lead covered power and communications cable to 3"
- Ratchet and chain apply increased cutting pressure with opening and closing of handles
- Gives increased mechanical advantage over manual cutters



Cat No.	UPC No.	Approx. Weight		Length		Copper and Aluminum Power/ Comm. Cable		Replacement Cutterhead	
		lbs	k	Inch	mm	Inch	mm	Cat. No.	UPC No.
8690CS	037103095411	12.67	6	29 3/4	756	3	73	8613CS	037103923103

Ratchet-type, Hard Cable Cutter

1 3/16" (30mm) Capacity

- Jaw keeper prevents jaws from spreading while under heavy load
- Shear-cut blades
- Ratchet and chain increase cutting pressure as handles open and close
- Cuts hard cable, ACSR, ACAR, ZEBRA, and self-supporting telephone cable, with minimal distortion
- Moderate pressure needed to open and close handles
- Can be used effectively with short strokes in confined spaces
- Increased mechanical advantage over manual cutters
- Not recommended for cutting insulated copper or aluminum cable



Cat No.	UPC No.	Approx. Weight		Length		ACSR, ACAR, ZEBRA, and Telephone Cable (self supporting)		Replacement Cutterhead	
		lbs	k	Inch	mm	Inch	mm	Cat. No.	UPC No.
8690FH	037103923509	10 1/2	5	29 1/4	743	1 3/16	30	8613FH	037103923110

Ratchet-type, Guy Strand Cutter

1/2" (13mm) Capacity

- Notched shear-cut blades hold material firmly in place while ratchet and chain produce easy, progressive cuts
- Cuts EHS guy strand, mild steel rods and bolts, and similar materials
- Makes clean, square cuts with minimal distortion
- Increased mechanical advantage over manual cutters



Cat No.	UPC No.	Approx. Weight		Length		EHS Guy Strand		Common Guy Strand		Replacement Cutterhead	
		lbs	k	Inch	mm	Inch	mm	Inch	mm	Cat. No.	UPC No.
8690CK	037103923493	8 3/4	4	28	711	1/2	13	1/2	13	8613CK	037103923097

Ratchet-type, Wire Rope Cutter

3/4" (19mm) Capacity



- Ratchet-type jaws with notched shear-cut blades hold and lock material in place
- Cuts aircraft cable, EHS guy strand, wire rope, and hard, stainless-steel cable
- Cuts all strands with minimal crushing or distortion
- Increased mechanical advantage over manual cutters

Cat No.	UPC No.	Approx. Weight		Length		EHS Guy Strand		Aircraft Cable, Hard Stainless Steel Cable		Replacement Cutterhead	
		lbs	k	Inch	mm	Inch	mm	Inch	mm	Cat. No.	UPC No.
8690TN	037103923547	13	6	36	914	5/8	16	3/4	19	8613TN	037103923134

Linkmaster® Heavy Duty



- Linkmaster® heavy-duty model
- Heat-treated, alloy steel jaws
- Opens and closes tire chain / swing chain cross links
- Toggle joints turn 50 lbs. hand pressure to 4000 lbs. cutting pressure
- All steel handles
- Makes repairs quickly and easily
- Opens and closes swing chain

Cat No.	UPC No.	Approx. Weight		Length		Replacement Cutterhead	
		lbs	k	Inch	mm	Cat. No.	UPC No.
0390MLN	037103909404	7	3	30	762	0313LKN	037103908674

Linksem® Intermediate



- Strong, rugged, compact, lightweight cutter
- Opens and closes tire chain cross links "on or off" the tire
- Cushion grip handles
- Individually packaged with instructions

Cat No.	UPC No.	Approx. Weight		Length		Capacity Link Diameter	
		lbs	k	Inch	mm	Inch	mm
1390L	037103913135	1 1/8	1	13	330	5/16	8

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Net-Link Closer for Closing Chain Links

- Used on commercial fishing boats and draggers for net and mooring chains
- Designed to close heavy chain link
- Toggle joints turn 50 lbs. hand pressure to 4000 lbs. cutting pressure
- Screw-type adjustment realigns edges



Cat No.	UPC No.	Approx. Weight		Length		Capacity Link Diameter		Replacement Cutter Head	
		lbs	k	Inch	mm	Inch	mm	Cat No.	UPC No.
0290MLC	037103908117	7 1/2	3.4	30	762	3/8	10	0213LC	037103907646

Workhead, Hose and Power Supply Selection

Power Tools and Portable Power Supplies

The most important factor in selecting the right hydraulic cutter for the job is identification of the material to be cut. Consider size, hardness (tensile strength) and type of material. Find material at top of chart on previous pages that is closest to the material to be cut. The correct cutter workhead will be found in the left-hand column under "Catalog Number."

All HKP workheads use only one hose to connect the workhead to the hydraulic pump. Standard hose can be ordered with a control wire for remote control, electric hydraulic pumps. Hoses without control wires are for use with hand, air/hydraulic or gasoline driven pumps.

Selecting the proper hydraulic pump depends on speed required and power source available. Cutting cycle times in table show pump best suited to your requirements. Pumps are available in hand-operated, air, electric or gasoline-driven models.

Power Tool Workheads

A workhead, sold as a unit, consists of the cutterhead, cylinder and control handle. Cutterheads and control handles are also available separately. In addition, the cutterhead and cylinder are sold as a unit for use with an HKP hand pump or air/hydraulic pump. And, in most cases, the cutterhead, cylinder, connecting hose and hand pump are also sold as a complete unit.

WORKHEAD



(For use with any HKP motor-driven hydraulic pump.)
CUTTERHEAD, CYLINDER AND CONTROL HANDLE.
Purchase as unit.

HAND-OPERATED HYDRAULIC CUTTER SYSTEM



HAND PUMP, HOSE, CYLINDER AND CUTTERHEAD.
Purchase as unit.

AUTOMATIC SYSTEM - PORTABLE POWER PACK



(electric/hydraulic pump), HOSE WITH CONTROL CABLE, AND WORKHEAD.
Purchase components separately.

CUTTERHEAD



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Safety Precautions

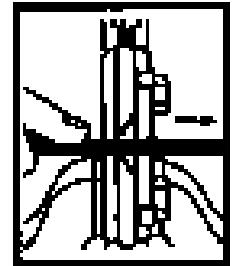
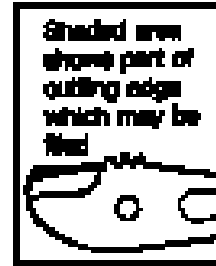


Hard metals may snap off or fly through the air when cut. Always wear safety glasses and warn others nearby to prevent injury from flying metal. To prevent injury from flying metal, take precautions such as wrapping a cloth or rag around the cutting jaws.

 WARNING	 AVERTISSEMENT	 ADVERTENCIA
 Risk Of Eye Injury Wear ANSI Approved Eye Protection	Risque de dommages d'oeil Protection d'oeil approuvée de l'usage A.N.S.I.	Riesgo de lesión del ojo Protección de ojo aprobada del desgaste ANSI

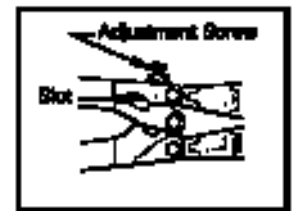
How to Sharpen Cutter Jaws

- Remove nicks in jaws by filing straight across cutting edges
- On jaws with equal bevels, file equally from each bevel, keep file flat against bevel
- On jaws with one large bevel, file on that bevel. Small bevel must also be restored
- Jaws should not be razor sharp
- Approximately 1/64" (.4mm) should remain flat to form strong, durable edge
- To sharpen shear-cut blades (blades that pass each other like scissors) remove nicks by filing straight across cutting edges
- Finish by running a flat file over inner jaw surface to remove burrs
- Adjust tool according to the instructions below



How to Adjust Cutter Jaws

- An adjustment screw is located on the cutter handle above the toggle joints
- If jaw edges are too far apart with handles closed, tighten adjusting screw, this brings cutting edges together
- Cutting edges should be 1/64" (.4mm) apart for longest jaw life
- Oil all joints and keep free of debris
- If jaw edges are too close together with the handles apart, loosen adjusting screw until it disappears from the narrow slot in the handle
- Make a cut with the tool in this position (cut will force the slot inward)
- Try to close the handles. If they do not close completely and jaw edges are 1/64" (.4mm) apart, tighten adjusting screw to meet the handle on far side of slot
- Oil all joints and keep free of debris
- If jaws are too far apart with handles closed after making cut with adjusting screw backed off, tighten adjusting screw as explained above
- To sharpen shear-cut blades (blades that operate, like scissors), remove nicks by filing straight across the cutting edges
- Finish by running a flat file over inner blade surface to remove burrs.



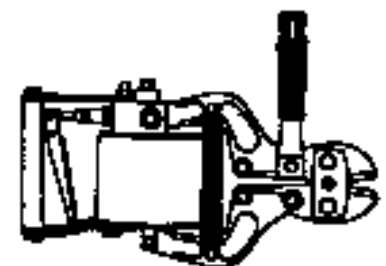
Nicholson® File Recommendations

For Jaw Type	Use File Type
Straight	6", 8" or 10" Mill Bastard
Curved	8", 10" or 12" Half Round Bastard
Straight w/Notch	8", 10" Mill Bastard with one round edge
Notched	8" or 10" Round Bastard

- Choose file size according to size of jaw and/or radius of curve
- Half round files are the most versatile

Pneumatic Tools

- All HKP air-powered tools require ram lateral input supply of 80-120 psi (6-8 kg/cm²)
- 9190 Series: 6.9 CFM or 8 CFM with factor of safety
- 9290 Series: 16.2 CFM or 18.7 CFM with factor of safety



Rod and Bar

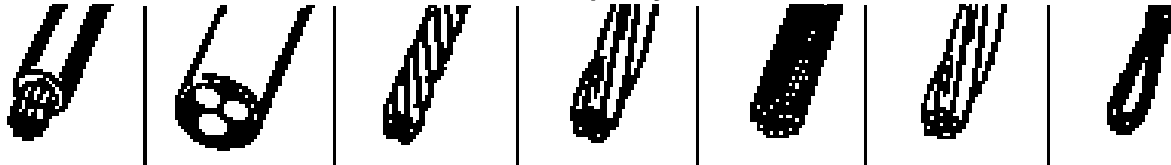
Type and size of material to be cut - Maximum Capacity



Cutter Head Assembly Cat. No.	Steel Low Carbon to 90,000 lb (40,824 kg)		Steel High Carbon to 130,000 lb (58,968 kg)		Steel High Alloy to 180,000 lb (81,648 kg)		Reinforcing Bars to 75,000 lb (34,020 kg)		Stainless Steel to 180,000 lb (81,648 kg)		Chain High Alloy to 180,000 lb (81,648 kg)		Aluminum Brass Copper Rod Bar	
	Tensile Rockwell 15		Tensile Rockwell 30		Tensile Rockwell 40		Tensile to Grade 75		Tensile to Rockwell 40		Tensile to Rockwell 40		Inch mm	
	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
W75000	3/4	19	3/4	19	5/8	16	5/8	16	5/8	16	5/8	16	3/4	19
W11800	1 1/8	29	1 1/8	29	1	25	1	25	1	25	1	25	1 1/8	29
W1770A	9/16	14	1/2	13	Do Not Cut		Do Not Cut		Do Not Cut		Do Not Cut		-	-
W1770CD	5/8	16	9/16	14	1/2	13	1/2	13	1/2	13	1/2	13	-	-
W1770TC	-	-	-	-	1/2	13	1/2	13	1/2	13	7/16	11	-	-
9190C	3/8	10	3/8	10	5/16	8	5/16	8	5/16	8	5/16	8	3/8	10
9190NE	3/8	10	3/8	10	-	-	-	-	-	-	-	-	3/8	10
9190A	3/8	10	3/8	10	-	-	-	-	-	-	-	-	3/8	10
9290C	1/2	13	1/2	13	3/8	10	3/8	10	3/8	10	3/8	10	1/2	13
9290NE	1/2	13	1/2	13	-	-	Do Not Cut		Do Not Cut		Do Not Cut		1/2	13

Cable

Type and size of material to be cut - Maximum Capacity



Cutter Head Assembly Cat. No.	Copper Power Cable		Communication Cable (not self-support)		ACSR and ACAR Cable		Common Guy Strand Cable		Aluminum Power Cable		EHS Guy Strand Cable		Wire Rope Hard Including Stainless	
	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
W177089	3	76	3 1/2	89	-	-	-	-	3	76	-	-	-	-
W1770TN	3/4	19	-	-	3/4	19	-	-	3/4	19	-	-	3/4	19
WTC400C	4	102	4	102	-	-	-	-	4	102	-	-	-	-
WRC125	-	-	-	-	-	-	1	25	-	-	3/4	19	1 1/4	32
WRC200	-	-	-	-	-	-	-	-	-	-	-	-	2	51
HRC300	-	-	-	-	-	-	-	-	-	-	-	-	3	76
SC400S	4	101	4	101	-	-	-	-	-	-	-	-	-	-
27842	7/8	22	7/8	22	-	-	-	-	7/8	22	-	-	-	-

H.K. Porter

Pump Selection

Cat No.	Material	HKH02 Hand Pump	HKA01 Air/Hydraulic	HKE101A 1/2 HP	HKE201A 1 HP	HKE301A 1 1/2 HP	5 HP T Series	12 1/2 HP M Series
WSR175	1 3/4" ACSR	30 Sec.	15 Sec.	10 Sec.	5 Sec.	4 Sec.	2-3 Sec.	1-2 Sec.
WSR175	1/2" Common Guy Strand	15 Sec.	10 Sec.	10 Sec.	5 Sec.	4 Sec.	2-3 Sec.	1-2 Sec.
WSR175	1 3/4" Aluminum Power	30 Sec.	15 Sec.	10 Sec.	6 Sec.	4 Sec.	3-4 Sec.	2-3 Sec.
WSR250	2 1/2" Power Copper Cable	70 Sec.	30 Sec.	20 Sec.	15 Sec.	8 Sec.	2-3 Sec.	1-2 Sec.
WSR250	2 1/2" ACSR	70 Sec.	20 Sec.	20 Sec.	15 Sec.	8 Sec.	2-3 Sec.	1-2 Sec.
WSR250	1/2" Common Guy Strand	70 Sec.	20 Sec.	6 Sec.	5 Sec.	4 Sec.	2-3 Sec.	1-2 Sec.
WSR250	2 1/2" Aluminum Power	70 Sec.	20 Sec.	6 Sec.	5 Sec.	4 Sec.	2-3 Sec.	1-2 Sec.
WTC400C	4" Power Cable	50 Sec.	10 Sec.	15 Sec.	7 Sec.	5 Sec.	2-3 Sec.	1-2 Sec.
WTC400C	4" Comm. Cable	45 Sec.	10 Sec.	10 Sec.	7 Sec.	5 Sec.	2-3 Sec.	1-2 Sec.
WTC400C	4" Aluminum	40 Sec.	10 Sec.	10 Sec.	7 Sec.	5 Sec.	2-3 Sec.	1-2 Sec.

Cat No.	Material	HKH02 Hand Pump	HKA01 Air/Hydraulic	HKE101A 1/2 HP	HKE201A 1 HP	HKE301A 1 1/2 HP	5 HP T Series	12 1/2 HP M Series
WRC125	1" Common Guy	35 Sec.	15 Sec.	15 Sec.	6 Sec.	4 Sec.	2-3 Sec.	1-2 Sec.
WRC125	3/4" EHS Guy	65 Sec.	10 Sec.	10 Sec.	7 Sec.	5 Sec.	2-3 Sec.	1-2 Sec.
WRC125	1 1/4" Wire Rope	35 Sec.	15 Sec.	15 Sec.	10 Sec.	5 Sec.	2-3 Sec.	1-2 Sec.
WRC200	2" Wire Rope	-	45 Sec.	60 Sec.	35 Sec.	25 Sec.	2-3 Sec.	1-2 Sec.
W11800	1 1/8" Low Carbon Steel	Not Recommended	25 Sec.	25 Sec.	15 Sec.	8 Sec.	2-3 Sec.	1-2 Sec.
W11800	1 1/8" High Carbon Steel	Not Recommended	25 Sec.	25 Sec.	15 Sec.	8 Sec.	2-3 Sec.	1-2 Sec.
W11800	1" High Alloy Steel	Not Recommended	30 Sec.	25 Sec.	15 Sec.	10 Sec.	2-3 Sec.	1-2 Sec.
W11800	1" Stainless Steel	Not Recommended	30 Sec.	25 Sec.	15 Sec.	0 Sec.	2-3 Sec.	1-2 Sec.
W11800	1" Aluminum	Not Recommended	30 Sec.	25 Sec.	15 Sec.	8 Sec.	2-3 Sec.	1-2 Sec.
W13800	1 1/4" High Alloy Steel	Not Recommended	30 Sec.	45 Sec.	30 Sec.	20 Sec.	2-3 Sec.	1-2 Sec.
W13800	1 3/8" Stainless Steel	Not Recommended	Not Recom.	60 Sec.	35 Sec.	20 Sec.	2-3 Sec.	1-2 Sec.
W13800	1 3/8" Low Carbon Steel	Not Recommended	Not Recom.	60 Sec.	35 Sec.	20 Sec.	2-3 Sec.	1-2 Sec.

Cat No.	Material	HKH02 Hand Pump	HKA01 Air/Hydraulic	HKE101A 1/2 HP	HKE201A 1 HP	HKE301A 1 1/2 HP	5 HP T Series	12 1/2 HP M Series
W75000	Low Carbon Steel 3/4" 90,000 Tensile	20 Sec.	10 Sec.	10 Sec.	5 Sec.	3 Sec.	2-3 Sec.	1-2 Sec.
W75000	HighCarbon Steel 3/4" 130,000 Tensile	40 Sec.	15 Sec.	Not Recommended		3 Sec.	2-3 Sec.	1-2 Sec.
W75000	5/8" High Alloy 180,000 Tensile	25 Sec.	18 Sec.	10 Sec.	5 Sec.	3 Sec.	3-4 Sec.	2-3 Sec.
W75000	5/8" Rebar	20 Sec.	15 Sec.	7 Sec.	5 Sec.	4 Sec.	2-3 Sec.	1-2 Sec.
W75000	5/8" Stainless Steel 180,000 Tensile	30 Sec.	18 Sec.	15 Sec.	7 Sec.	3 Sec.	2-3 Sec.	1-2 Sec.
W75000	3/4" Aluminum Rod	30 Sec.	15 Sec.	15 Sec.	5 Sec.	3 Sec.	2-3 Sec.	1-2 Sec.
W1770A	9/16" Low Carbon	25 Sec.	10 Sec.	8 Sec.	5 Sec.	4 Sec.	2-3 Sec.	1-2 Sec.
W1770A	1/2" High Carbon	30 Sec.	12 Sec.	7 Sec.	5 Sec.	4 Sec.	2-3 Sec.	1-2 Sec.
W1770CD	5/8" Low Carbon	35 Sec.	10 Sec.	15 Sec.	5 Sec.	3 Sec.	2-3 Sec.	1-2 Sec.
W1770TC	1/2" High Alloy	37 Sec.	10 Sec.	10 Sec.	5 Sec.	4 Sec.	2-3 Sec.	1-2 Sec.

Cat No.	Material	HKH02 Hand Pump	HKA01 Air/Hydraulic	HKE101A 1/2 HP	HKE201A 1 HP	HKE301A 1 1/2 HP	5 HP T Series	12 1/2 HP M Series
W1770TC	1/2" Rebar	35 Sec.	10 Sec.	10 Sec.	6 Sec.	5 Sec.	2-3 Sec.	1-2 Sec.
W1770TC	1/2" Stainless Steel	35 Sec.	10 Sec.	10 Sec.	5 Sec.	4 Sec.	2-3 Sec.	1-2 Sec.
W177089	3" Copper Power Cable	60 Sec.	19 Sec.	15 Sec.	8 Sec.	5 Sec.	2-3 Sec.	1-2 Sec.
W177089	3" Comm. Cable	60 Sec.	19 Sec.	15 Sec.	8 Sec.	5 Sec.	2-3 Sec.	1-2 Sec.
W177089	3" Aluminum Cable	60 Sec.	19 Sec.	15 Sec.	8 Sec.	5 Sec.	2-3 Sec.	1-2 Sec.
WSR175	1 3/4" Power Cable	30 Sec.	15 Sec.	10 Sec.	5 Sec.	4 Sec.	2-3 Sec.	1-2 Sec.
W1770TN	3/4" Wire Rope	35 Sec.	10 Sec.	12 Sec.	8 Sec.	5 Sec.	2-3 Sec.	1-2 Sec.

Ordering Replacement Parts

Order replacement parts through your Cooper Hand Tools Distributor. Care should be taken to give accurate information regarding part numbers and descriptions. Include product model numbers and serial numbers as well. Although all parts are available at the factory, some may be available in a parts kit format only. It is recommended customers stock spare blades, seals, filters and oil to minimize delay in maintaining units.

Operating Hydraulic Pumps Below -25°F (-31°C)

All HKP pumps are supplied with a high quality hydraulic oil. Pour point -25°F (-31°C) 150/165 viscosity SSU @ 100°F (38°C). When operating below -25°F, contact Cooper Tools Customer Service for oil recommendation. Before initial operation, please inspect product to identify any potential damage, or oil leakage, caused during shipment.

Factory Repair Service

HKP units may be returned to factory for repair and reconditioning at any time. A free inspection and estimate of repair charges will be supplied if requested. All returns must be made by prepaid transportation and contact information such as name, address and daytime phone number supplied. Failure to supply this information may result in product repair delay.

Installation Recommendations

IMPORTANT: Electrical connections on cutterhead and hydraulic hose are for low voltage control only. **DO NOT PLUG CONTROL HANDLE INTO MAIN POWER SUPPLY.** The switches and wiring are designed for relay control only.

HE2200 series single phase Power Pack units are factory wired to run in counterclockwise direction and can be plugged into any outlet with proper power supply. Three phase units must be wired into customer's system. Be sure to wire so unit runs counterclockwise.

HKE102A, HKE302A, HKE402A, HKE602B and T5102 Hydraulic Power Sources are supplied in three phase only and can be wired to operate in either direction.

Try to install units so that hoses and wiring are not accessible to damage by fork lifts or other handling equipment.

When installing pumping unit overhead, be sure to have both cutterhead and hoses well below the pump. Do not loop hoses overhead as air pockets will result in slow reaction. Speed of cut should be approximately that indicated on the POWER TOOL SELECTOR CHART. If unit is cutting slower than indicated, **DO NOT ADJUST RELIEF VALVE. THE PRESSURE SETTING WILL NOT AFFECT THE SPEED.**

We recommend checking all connections for leaks, check for voltage drop or contact Customer Service for assistance.

Power Tool Hoses & Accessories

- All HKP hydraulic hoses are made from oil-and abrasion-resistant materials
- Hose style also offered in 1/4" or 3/8" sizes
- Hoses are 2-ply rated, reinforced with two braids of high tensile steel wire and covered with oil and weather resistant rubber
- MSHA approved, 2-wire steel braid with 3/8" (10mm) – 18 NPTF fittings
- Only order enough hose to fit your particular application. Using too much hose, slows operator and production
- All control wire hoses come complete with 3-wire, twist-lock connectors for low-voltage control only
- Couplings not included with hoses

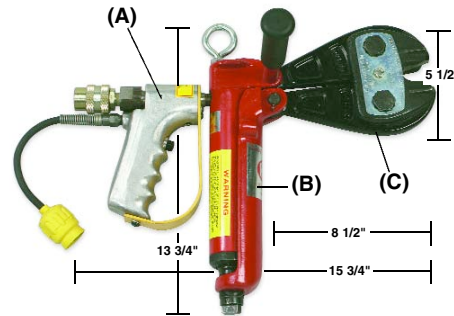
Hydraulic Rod and Bar Cutter

- Excellent for semi-production cutting
- Lightweight cutter
- Center-cut blades
- Cuts No. 4 rebar, soft, medium, and hard materials
- Maximum hardness of material to be cut: Brinell 455/Rockwell C48
- Lockplate keeps jaws from loosening

For hard metals to 1/2" (13mm)



1790CDX



W1770CD

Cat No.	UPC No.	Approx. Weight		Description
		lbs	k	
W1770CD	037103904287	22	10	Workhead Assembly (illustrated). Includes (A) control handle (W10824), (B) cylinder assembly (1752), (C) cutterhead (1713CDX). Can be used with any HKP electric/hydraulic pump.
1790CDX	037103914835	38 1/2	18	Hand-operated Hydraulic Cutter System. Includes (D) hand pump (HKH02), (C) cutterhead (1713CDX), (B) cylinder assembly (1752), and (E) 7' (2134mm) hydraulic hose (BU1405).
1780CDX	037103914712	19	9	Cylinder and cutterhead assembly only. Includes (B) cylinder assembly (1752), (C) cutterhead (1713CDX) only. For use with any HKP hand pump or air/hydraulic pump.
1713CDX	037103914231	8	4	Replacement cutterhead only. (C)

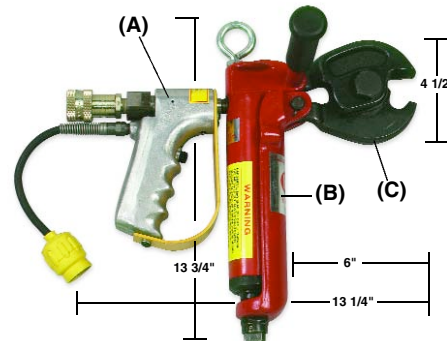
Hydraulic Wire Rope Cutter

For wire and cable to 3/4" (19mm)

- Makes clean, even cuts with no distortion
- Notched blade holds wire rope or cable securely
- Cuts hard or soft wire rope and cable
- Not recommended for copper or aluminum power cable



1790TN



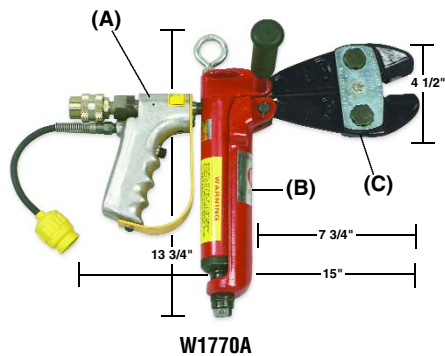
W1770TN

Cat No.	UPC No.	Approx. Weight		Description
		lbs	k	
W1770TN	037103904379	18	8	Workhead Assembly (illustrated). Includes (A) control handle (W10824), (B) cylinder assembly (1752), (C) cutterhead (1713TN). Can be used with any HKP electric/hydraulic pump.
1790TN	037103914903	34	16	Hand-operated Hydraulic Cutter System. Includes (D) hand pump (HKH02), (C) cutterhead (1713TN), (B) cylinder assembly (1752), and (E) 7' (2134mm) hydraulic hose (BU1405).
1780TN	037103914774	15	7	Cylinder and cutterhead assembly only. Includes (B) cylinder assembly (1752), (C) cutterhead (1713TN) only. For use with any HKP hand pump or air/hydraulic pump.
1713TN	037103914347	4	2	Replacement cutterhead only. (C)

H.K. Porter

Hydraulic, Angular Rod and Bar Cutter

For soft metals to 9/16" (14mm), medium metals to 1/2" (13mm)

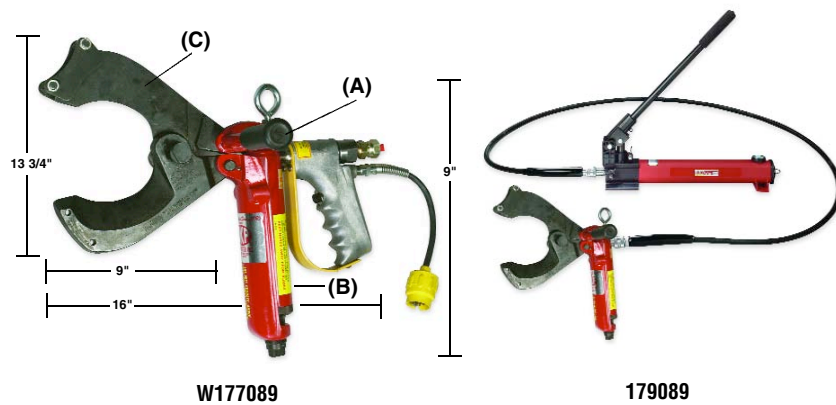


- Makes flush cuts in confined spaces
- Angular jaws with clipper-cut blades
- Cuts soft or medium material
- Lockplate keeps jaws from loosening
- Do NOT cut hard material
- Angle of cutterhead keeps tool and users hands clear of work surface

Cat No.	UPC No.	Approx. Weight		Description
		lbs	k	
W1770A	037103904263	18	8	Workhead Assembly (illustrated). Includes (A) control handle (W10824), (B) cylinder assembly (1752), (C) cutterhead (1713A). Can be used with any HKP electric/hydraulic pump.
1780A	037103914699	15	7	Cylinder and cutterhead assembly only. Includes (B) cylinder assembly (1752), (C) cutterhead (1713A) only. For use with any HKP hand pump or air/hydraulic pump.
1713A	037103914217	4	2	Replacement cutterhead only. (C)

Hydraulic Cable Cutter

For soft copper or aluminum cable to 3" (76mm)



- Shear-cut blades
- Cuts soft copper or aluminum cable and lead- or rubber-covered power and communications cable
- Do NOT cut ACSR or steel cable

Cat No.	UPC No.	Approx. Weight		Description
		lbs	k	
W177089	037103904386	18 1/2	9	Workhead Assembly (illustrated). Includes (A) control handle (W10824), (B) cylinder assembly (1753), (C) cutterhead (8913CN). Can be used with any HKP electric/hydraulic pump.
179089	037103914910	35	16	Hand-operated Hydraulic Cutter System. Includes (D) hand pump (HKH02), (C) cutterhead (8913CN), (B) cylinder assembly (1753), and (E) 7' (2134mm) hydraulic hose (BU1405).
178089	037103914781	15 1/2	7	Cylinder and cutterhead assembly only. Includes (B) cylinder assembly (1753), (C) cutterhead (8913CN) only. For use with any HKP hand pump or air/hydraulic pump.
8913CN	037103914745	4 1/2	2	Replacement cutterhead only. (C)

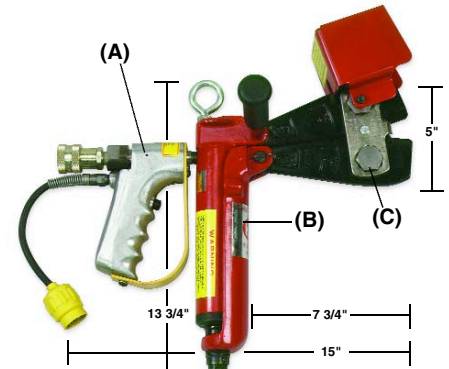
Hydraulic Cutter with Carbide jaw Edges

For extremely hard metals to 1/2" (13mm)

- Recommended for special cutting applications where maximum hardness of material to be cut exceeds Brinell 400/Rockwell C42
- Carbide-tipped blades
- Cuts hard-alloy and case-hardened chain and extremely hard material
- Cuts one side of link at a time
- Lockplate keeps jaws from loosening



1790TC



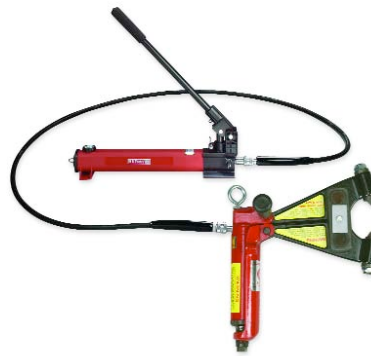
W1770TC

Cat No.	UPC No.	Approx. Weight		Description
		lbs	k	
W1770TC	037103904355	22	10	Workhead Assembly (illustrated). Includes (A) control handle (W10824), (B) cylinder assembly (1752), (C) cutterhead with guard (1713TC). Can be used with any HKP electric/hydraulic pump.
1790TC	037103914880	38 1/2	18	Hand-operated Hydraulic Cutter System. Includes (D) hand pump (HKH02), (C) cutterhead (1713TC), (B) cylinder assembly (1752), and (E) 7' (2134mm) hydraulic hose (BU1405).
1780TC	037103914750	19	9	Cylinder and cutterhead assembly only. Includes (B) cylinder assembly (1752), (C) cutterhead (1713TC) only. For use with any HKP hand pump or air/hydraulic pump.
1713TC	037103914323	8	4	Replacement cutterhead only. (C)

Hydraulic Soft Nut Splitter (48mm)

For nuts up to 1 7/8" (Rockwell C15)

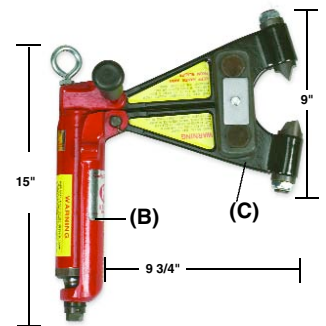
- Center-cut blades swivel 360° to allow cutting in confined spaces
- Cuts soft nuts, Rockwell C15
- Do NOT cut hard nuts



1790PQ



1713PQ



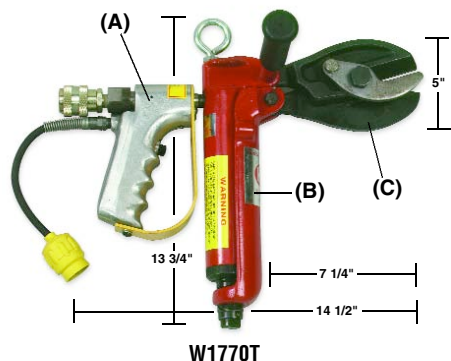
1780PQ

Cat No.	UPC No.	Approx. Weight		Description
		lbs	k	
1790PQ	037103914859	49	22	Hand-operated Hydraulic Cutter System (illustrated). Includes (D) hand pump (HKH02), (C) cutterhead (1713PQ), (B) cylinder assembly (1753), and (E) 7' (2134mm) hydraulic hose (BU1405).
1780PQ	037103914729	29	13	Cylinder and cutterhead assembly only (illustrated). Includes (B) cylinder assembly (1753), (C) cutterhead (1713PQ) only. For use with any HKP hand pump or air/hydraulic pump.
1713PQ	037103914286	18	8	Replacement cutterhead only. (illustrated) (C)

Hydraulic Strip Shear Cutter

For flat steel strap 1/4" (6mm) x 1 1/2" (38mm)

- Recommended for fast, production cutting of steel strapping
- Shear-cut blades
- Cuts flat steel strap



W1770T



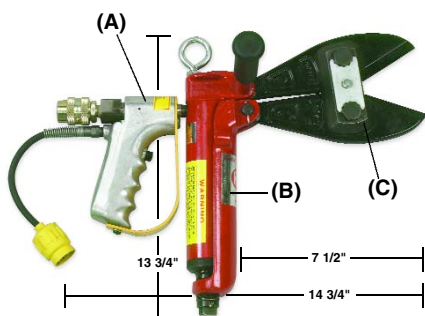
1790T

Cat No.	UPC No.	Approx. Weight		Description
		lbs	k	
W1770T	037103904324	18	8	Workhead Assembly (illustrated). Includes (A) control handle (W10824), (B) cylinder assembly (1752), (C) cutterhead (1713T). Can be used with any HKP electric/hydraulic pump.
1790T	037103914866	34	16	Hand-operated Hydraulic Cutter System. Includes (D) hand pump (HKH02), (C) cutterhead (1713T), (B) cylinder assembly (1752), and (E) 7' (2134mm) hydraulic hose (BU1405).
1780T	037103914736	15	7	Cylinder and cutterhead assembly only. Includes (B) cylinder assembly (1752), (C) cutterhead (1713T) only. For use with any HKP hand pump or air/hydraulic pump.
1713T	037103914293	4	2	Replacement cutterhead only. (C)

Hydraulic Tire Bead Cutter

For all passenger car tires

- Destroys old or new substandard tires
- Cuts tire bead on all passenger and light truck tires
- Prevents reuse of tires and insures proper destruction of defective tires



W1770TA



1790TA

Cat No.	UPC No.	Approx. Weight		Description
		lbs	k	
W1770TA	037103904331	20	9	Workhead Assembly (illustrated). Includes (A) control handle (W10824), (B) cylinder assembly (1753), (C) cutterhead (1713TA). Can be used with any HKP electric/hydraulic pump.
1790TA	037103914873	36 1/2	17	Hand-operated Hydraulic Cutter System. Includes (D) hand pump (HKH02), (C) cutterhead (1713TA), (B) cylinder assembly (1753), and (E) 7' (2134mm) hydraulic hose (BU1405).
1780TA	037103914743	17	8	Cylinder and cutterhead assembly only. Includes (B) cylinder assembly (1753), (C) cutterhead (1713TA) only. For use with any HKP hand pump or air/hydraulic pump.
1713TA	037103914309	6	3	Replacement cutterhead only. (C)

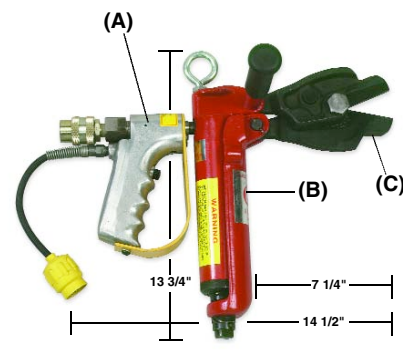
Hydraulic Iron Grating Cutters

For 1 1/4" (31mm)

- Cutter can be used with any HKP power pack for quick, efficient cutting
- Special jaws fit between iron gratings
- Cuts iron grating to 1 1/4" thick



1790TG



W1770TG

Cat No.	UPC No.	Approx. Weight		Description
		lbs	k	
W1770TG	037103904362	18	8	Workhead Assembly (illustrated). Includes (A) control handle (W10824), (B) cylinder assembly (1752), (C) cutterhead with guard (1713TG). Can be used with any HKP electric/hydraulic pump.
1790TG	037103914897	34	16	Hand-operated Hydraulic Cutter System. Includes (D) hand pump (HKH02), (C) cutterhead (1713TG), (B) cylinder assembly (1752), and (E) 7' (2134mm) hydraulic hose (BU1405).
1780TG	037103914767	15	7	Cylinder and cutterhead assembly only. Includes (B) cylinder assembly (1752), (C) cutterhead (1713TG) only. For use with any HKP hand pump or air/hydraulic pump.
1713TG	037103914330	4	2	Replacement cutterhead only. (C)

Hydraulic Rod and Bar Cutters



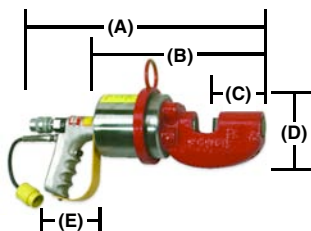
W75000

- Compact, rugged, portable cutter
- Easily replaceable or redressable blades
- Cuts rods and bars
- Includes control handle
- Includes filter and air breather
- 1-hose operation



W11800

- Engineered for demanding production cutting such as steel mill applications
- Heavy-duty, large-capacity, portable, durable cutter
- Cuts chain and reinforcing rod
- Includes control handle

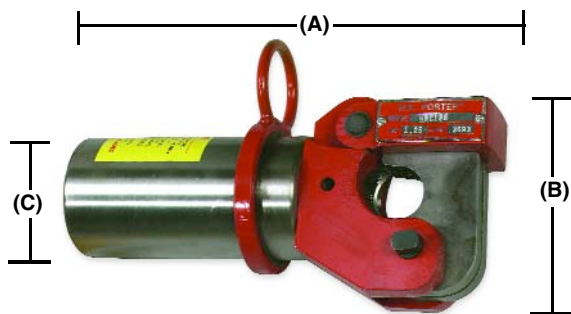


Tool No.	Replacement Cutter Blades	
	Stationary Blade	Moving Blade
W75000	13234	13934
W11800	13918	13908

Cat No.	UPC No.	A		B		C		D		E		Width		Capacity		Approx. Weight		Thrust	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	K	lb	K
W75000	037103904447	15	394	9 3/4	248	4 1/8	105	4 1/4	108	5	128	4	102	3/4	19	17	8	25,000	11,340
W11800	037103904119	7 1/2	446	12 3/4	325	5	128	5 1/2	140	5	128	5 7/8	149	1 1/8	29	40	18	70,000	31,752

H.K. Porter

Hydraulic Wire Rope Cutters

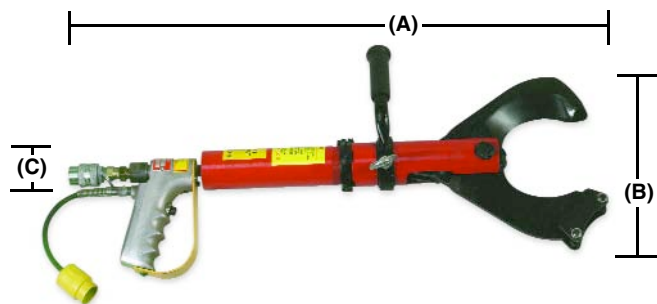


- Use for production cutting of wire rope and cable
- Loads through the front to allow cuts anywhere on the wire rope or cable
- Control handle available separately for WRC125 and WRC200
- Control handle not available for HRC300
- Do NOT cut cable smaller than 1/2"
- Model WRC125 cuts EHS cable to 1"
- Model HRC300 with double-acting cylinder, uses a "B" or "C" suffix pump

Cat No.	UPC No.	A		B		C		Width		Capacity		Approx. Weight		Thrust	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	K	lb	K
WRC125	037103903983	11	279	5 1/4	133	3 1/4	83	3	76	1 1/4	32	22	10	25,000	11,340
WRC200	037103903990	16	406	6 1/2	165	5	127	4 1/2	114	2	51	55	25	70,000	31,752
HRC300	037103901132	21 1/2	546	8 1/2	216	6 5/8	168	6 1/2	165	3	76	154	70	140,000	63,504

All hydraulic wire rope cutters are made to order, Contact Customer Service for availability.

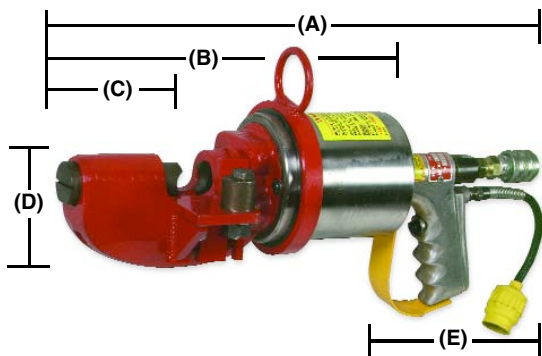
Hydraulic Soft Cable Cutter



- Shear-cut blades
- Cuts aluminum or copper power and communications cable
- Toggle design gives extra power for cutting large, tough cable
- Keeper ensures clean, shearing cuts of fine strands

Cat No.	UPC No.	A		B		C		Width		Capacity		Approx. Weight		Thrust	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	K	lb	K
WTC400C	037103904041	29	737	11	279	2 1/2	64	2 1/2	64	4	102	22	10	22,000	10,000

Hydraulic Rod and Bar Cutters



- Positioning cam keeps stock square to jaws giving flush, square cuts instead of conventional, chisel-type cuts
- Shear-cut blades
- Cuts soft and medium material
- **Made to order**
- **Contact Customer Service for availability.**

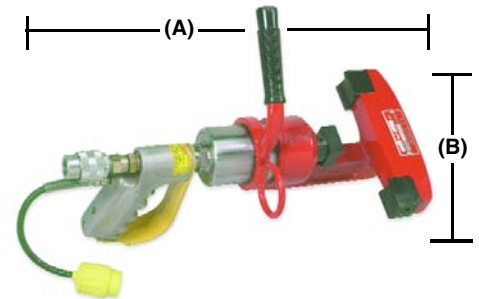
Replacement Cutter Blades		
Tool No.	Stationary Blade	Moving Blade
W118SQ	22178	22168

Cat No.	UPC No.	A		B		C		D		E		Width		Capacity		Approx. Weight		Thrust	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	K	lb	K
W118SQ	037103904102	17 1/2	445	12 3/4	324	5	127	5 1/2	140	5	127	5 7/8	149	7/8	22	40	18	70,000	31,752

H.K. Porter

Hydraulic Rod, Bar and Wire Straightener

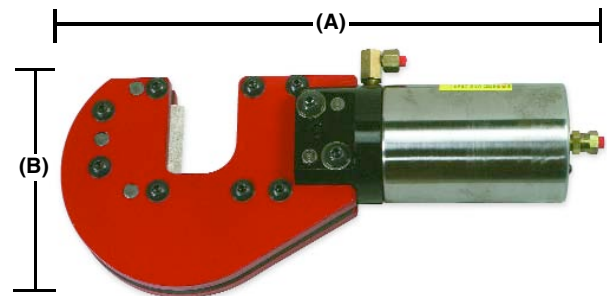
- Straightens coiled steel
- Straightens the leading 4' to 5' of coiled steel to insert into drawing or cold-heading machine
- Includes control handle
- Anvils available for 7/8" square stock



Cat No.	UPC No.	A		B		Capacity		Approx. Weight		Thrust	
		Inch	mm	Inch	mm	Inch	mm	lb	K	lb	K
W106920	037103904072	14 1/2	368	8	203	9/16 to 1 1/4	14 to 32	14	6	25,000	11,340

Hydraulic Pipe Cutter

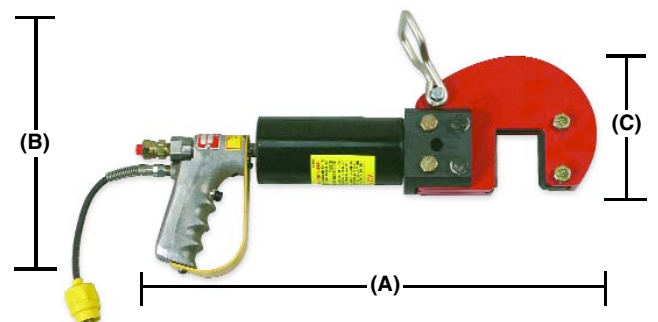
- Nuclear reactor maintenance tool
- Cuts Schedule 40 pipe, including stainless steel
- Double-acting cylinder requires 2-outlet "B" or "C" suffix pump
- Made to order, contact Customer Service for availability.



Cat No.	UPC No.	A		B		Capacity		Approx. Weight		Thrust	
		Inch	mm	Inch	mm	Inch	mm	lb	K	lb	K
37071	037103919601	22	559	9	229	2 (Schedule 40 pipe)	51	83	38	70,000	31,752

Hydraulic Tire Bead Cutter

- Rugged, heavy-duty, dependable tire bead cutter
- Cuts bead on substandard, new or used tires
- Cuts ACSR as an "open throat" cutter
- 45601DH is made to order. Contact Customer Service for availability.



Cat No.	UPC No.	A		B		C		Capacity		Weight		Approx. Thrust	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	K	lb	K
45601	037103921215	20	508	12 1/2	318	4	102	2 x 2 3/4	51 x 70	30	14	30,000	13,608
45601DH	037103144133	45601 w/W30052 Dual Control Handle											

Hydraulic Pump



Cutterhead and hose pictured must be ordered separately.

- Two speed operation reduces handle strokes by 78% in some cases
- Durable glass filled nylon reservoir resists corrosion
- Internal pressure relief valves to protect hydraulic systems
- Non-conductive fiberglass handle locks for easy carrying
- Reduced handle effort
- Pressure levels set for safe use with all H.K. Porter® cutting tools

Cat No.	UPC No.	Approx Weight		Pump Speed	Max. Pressure Rating* (PSI)	Reservoir Capacity (cu.in.)	Oil Volume Per Stroke	Max Handle Effort (lbs.)	Piston Diameter (in.)	Piston Stroke (in.)
		Inch	mm							
HKH02	037103122537	9	4	Two Sp	1 Stage 200 2 Stage 7800	55.00	.687 .151	93	.94 .44	1.0

*Contact H.K. Porter for applications where operating pressure is less than 10% of maximum rating.

Air-Operated Hydraulic Pump



Cutterhead and hose pictured must be ordered separately.

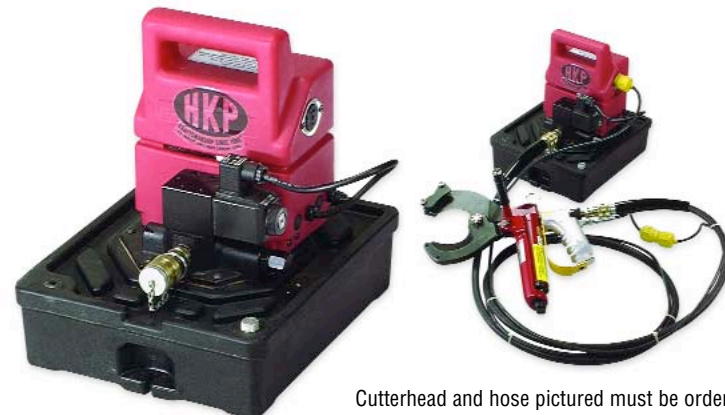
- Portable, lightweight
- Horizontal or vertical operation
- Powers all single action HKP workheads
- Operates on maximum 150 PSI line pressure
- Air and hydraulic inlet filters reduce potential damage from contamination
- Reduced noise
- Pressure levels set for safe use with all H.K. Porter® cutting tools

Cat No.	UPC No.	Approx Weight		Valve Function	Max. Operating Pressure	Reservoir Capacity (cu.in.)	Usable Oil Capacity (cu.in.)	Oil Flow @ 7800 PSI in. ³ /min.	Air Pressure Range (PSI)
		lbs.	k						
HKA01	037103122544	14	6	Advance-Hold-Retract	7800	150	127*	12	40-150

*Reduced to 70 cu.in. during vertical use.

Electrically-Driven Power Packs

1/2 HP Pump



Cutterhead and hose pictured must be ordered separately.

- Lightweight, yet powerful construction duty pump
- Two speed operation
- Available in 115V model
- 24 Volt remote motor control
- Large carrying handle for better mobility
- Pressure levels set for safe use with all H.K. Porter® cutting tools
- **Contact Customer Service before ordering**

Cat No.	UPC No.	Approx. Weight		Max. Operating Pressure		Pump Speed	Motor Voltage	Useable Oil Capacity (cu.in.)
		lbs	k	PSI	BAR			
HKE101A	037103122384	43	20	7800	480	Single Speed	115 v 1-60	231

Electric Pump

1 HP Pump

- Powerful industrial duty pump
- Two speed operation
- Dump valve operated by tool control handle
- For use in production, maintenance or construction applications
- Pressure levels set for safe use with all H.K. Porter® cutting tools
- **Contact Customer Service before ordering**



Cutterhead and hose pictured must be ordered separately.

Cat No.	UPC No.	Approx. Weight		Max. Operating Pressure		Motor Voltage	Usable Oil Capacity (cu.in.)	Flow vs Pressure PSI
		lbs	k	PSI	BAR			
HKE201A	037103122582	78	35	7800	480	115/230v 1-60	0.8	240in. ³ @ 0 - 500 42in. ³ @ 500 - 7800

Electrically-Driven Power Packs

HE2200 series, 3/4-HP

- 3/4 HP
- Lightweight design, rugged construction
- TEFC motor for dependable operation
- 2-stage pump delivers low pressure for rapid advance of piston, shifts to high pressure under load
- Large, 2-gallon reservoir
- Internal relief valve protects system components from overload
- Control options: push-button control handle attached to workhead (W10824); heavy-duty foot switch (W32368); or hand-held, control switch (W36048)
- Valve options: (A) single outlet, remote control for 1 workhead (standard); (B) double outlet with 4-way manual valve at pump for 2 workheads or double-acting cylinder; (C) double outlet with solenoid valving for remote control of 2 workheads or double-acting cylinder
- Internal filter protects system from contamination of hydraulic oil
- Low voltage (24 VAC) control circuitry for operator safety
- Other voltages available
- **Contact Customer Service before ordering**



HE2201B

HE2201C

Cat No.	UPC No.	Approx. Weight		Description	HP	V	HZ
		lbs	k				
HE2201A	037103900838	86	39	Power Pack Only - operation of one workhead	3/4	115	60
HE2201B	037103900845	86	39	Power Pack Only - operation of two workheads or double acting cylinder - four way manual valve	3/4	115	60
HE2201C	037103900852	93	42	Power Pack Only - operation of two workheads or double acting cylinder - solenoid valving	3/4	115	60

H.K. Porter

Electric Pump

1 1/2 HP



Cutterhead and hose pictured must be ordered separately.

- Powerful industrial duty pump ideal for cutting applications where load holding is not required
- Pump is normally used with single-acting cylinders and the motor is on only during the cutting cycle. When the motor is shut off, all pressure is dumped to the tank
- Fully enclosed fan-cooled motors can be used in all indoor/outdoor environments
- Two speed pump design - 1st stage flow of 3GPM to 800 PSI shortens work cycles
- Pressure levels set for safe use with all H.K. Porter® cutting tools
- **Contact Customer Service before ordering**

Cat No.	UPC No.	Approx. Weight		Max. Operating Pressure		Motor Voltage	Usable Oil Capacity (Gals.)	Valve Function
		lbs	k	PSI	BAR			
HKE301A	037103122599	136	62	7800	480	115v 1-60	2	Advance/Retract
HKE302A	037103122605	136	62	7800	480	230v 3-60	2	Advance/Retract

Stationary Hydraulic Power Pack

T – Series, 5 HP



- T Series, 5 HP
- Production pump will operate any HKP workhead at maximum speeds
- Electrically-driven, 220-V, 60Hz, 3-phase TEFC motor or 460-V, 60Hz, 3-phase TEFC motor
- Low voltage control circuit (24 VAC) provides safe, push-button, remote control of workhead
- Electric components are protected from dust and water in a JIC box
- Single or double outlets for 1 or 2 workheads
- Other voltages available
- **T-Series pumps are made to order.**
- **Contact Customer Service for availability.**

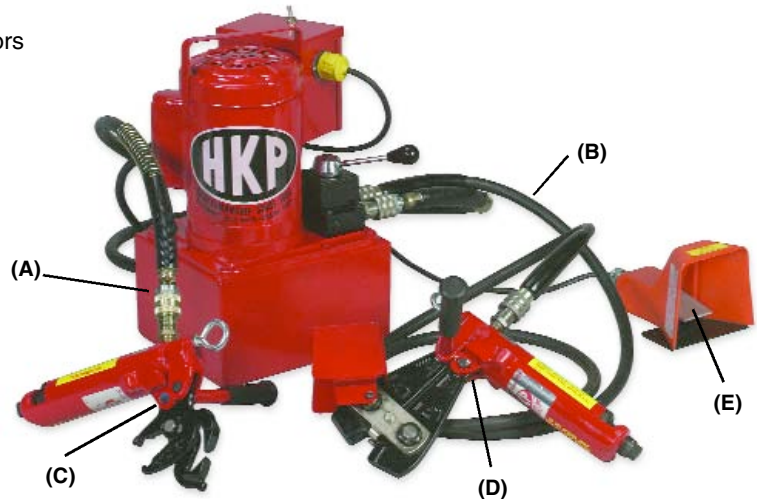
Cat No.	UPC No.	Approx. Weight		Description	HP	V	HZ
		lbs	k				
T5102	037103903884	385	175	Power Pack Only - Single Valve	5	220	60
T5202	037103903914	385	175	Power Pack Only - Double Valve	5	220	60
T5104	037103903891	385	175	Power Pack Only - Single Valve	5	460	60
T5204	037103903938	385	175	Power Pack Only - Double Valve	5	460	60

H.K. Porter

Tire Chain Repair Tools

Hydraulic Chain Repair System

- System WTC200A
- Ideal for fast truck chain maintenance by fleet operators
- Opens, closes, and cuts up to 1/2" alloy chain, case-hardened chain, and padlock hasps
- Mounts on platform or mobile cart
- 1780TC, and 1780LK workheads will work with other HKP pumps
- Other HKP pumps will work with tire chain repair tools
- **Note: Call Customer Service for assistance before ordering**



Cat No.	UPC No.	Approx. Weight		Description
		lbs	k	
WTC200A	037103106759	136	62	Hydraulic Chain Repair System – For Alloy Chain Only. Includes (A) Portable, 3/4 HP Hydraulic Power Pack (HE2201B) with 4-way manual valve, (B) two 7' hydraulic hoses (BU1405), (C) chain workhead (1780LK), (D) chain cutter workhead (1780TC, carbide inserts), (E) foot switch control (W32368).

Hydraulic Cutting Efficiency

The following formula shows the unique efficiency of hydraulic cutters:

- Hydraulic Pump Pressure (A) x Area of Workhead Cylinder (B) = Force Output of System (C)
- Using HKP equipment (page 312): HE2200 Power Pack (A) Output is 7000 psi (490 kg/cm²) x Area of W75000 Cylinder (B) 4.9in.² (31.6 cm²) = Total Thrust of System at (C) of 17 tons (15.5 metric tons)
- Hydraulic cutting units are supplied with parts listings and repair information
- Additional copies of these forms can be obtained by contacting customer service
- Be sure to include unit part number, if available, and serial number
- All HKP hydraulic tools are designed to require minimum maintenance
- Preventive Maintenance Scheduling should be standard for such items as filters, oil for hydraulic pumps, and cutting blades in hydraulic cutterheads.



Hydraulic Hose and Control Wire

For Remote Control



- Use hose and control wire for remote control
- 3-wire, twist-lock connectors
- Low voltage control, only
- Couplings not included
- Excess hose will slow operation, lack of hose will limit mobility
- Order hose to fit specific applications
- Features hose guard to prevent kinking
- Special hoses available on request
- Hose ID is 3/8"

Cat No.	UPC No.	Hose Length		Hose Inside Diameter		Shelf Pack
		Feet	m	Inch	mm	
W119681	037103904201	10	3	3/8	10	1
W119581	037103904133	20	6.1	3/8	10	1
W119587	037103904195	50	15.2	3/8	10	1

Hydraulic Hose

For HKH02 or HKA01 Pumps



- Couplings not included
- Excess hose will slow operation, lack of hose will limit mobility
- Order hose to fit specific applications
- Features hose guard to prevent kinking
- Special hoses available on request
- Hose ID is 3/8"
- To be used with HKH02 or HKA01 pumps

Cat No.	UPC No.	Hose Length		Hose Inside Diameter		Shelf Pack
		Feet	m	Inch	mm	
BU1405	037103900722	7	2	3/8	10	1

Hydraulic Hose Couplers

Quick Detach



BU1606 HOSE HALF



BU1604 COMPLETE



BU1605 WORKHEAD HALF

- Quick detach couplers
- Use with hand-hydraulic pump (HKH02) or air/hydraulic pump (HKA01)
- 3/8" - 18 NPTF
- Shortens workhead switching time

Cat No.	UPC No.	Description	Shelf Pack
BU1606	037103900777	Hose Half	1
BU1604	037103900753	Complete Coupler, Contains BU1605, BU1606	1
BU1605	037103900760	Workhead Half	1

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Hydraulic Hose Couplers

Swivel Disconnect

- Heavy-duty, swivel disconnect couplers
- Use with all HKP workheads
- Designed for comfortable, efficient positioning of workheads
- 3/8" - 18 NPTF



20868
COMPLETE



23638
WORKHEAD HALF



23628
HOSE HALF

Cat No.	UPC No.	Description	Shelf Pack
20868	037103915085	Complete	1
23638	037103915665	Workhead Half	1
23628	037103915658	Hose Half	1

Control Handles

- Standard on all units except as noted
- 1-handed control with guard and fingertip button



W10824

- "Parallel" or "in-line" design
- 2-handed control requires operator to push 2 control buttons to operate workhead
- Keeps hands out of cutting area



W25232

- Handlebar design
- 2-handed control requires operator to push 2 control buttons to operate workhead
- Keeps hands out of cutting area
- Standard product designed for 1700 Series cylinders



W30052

Cat No.	UPC No.	A		B		C		Approx. Weight	
		Inch	mm	Inch	mm	Inch	mm	lb	K
W10824	037103904089	5 3/4	146	7	178	1 1/2	38	3	1.5
W25232	037103904393	12 3/4	324	7	178	1 1/2	38	7	3
W30052	037103904409	7 1/2	191	7	178	9 1/2	241	5	2

Optional Controls



W32368



W37048



34468

W32368 - Heavy Duty Electric Foot Switch

- Heavy guard prevents accidental activation of workhead
- Includes 10' (3084mm) of control cord

W37048 - Electric Solenoid-Operated Air Valve

- For extra fast operation of air actuated tools

34468 - Heavy Duty Air Foot Switch

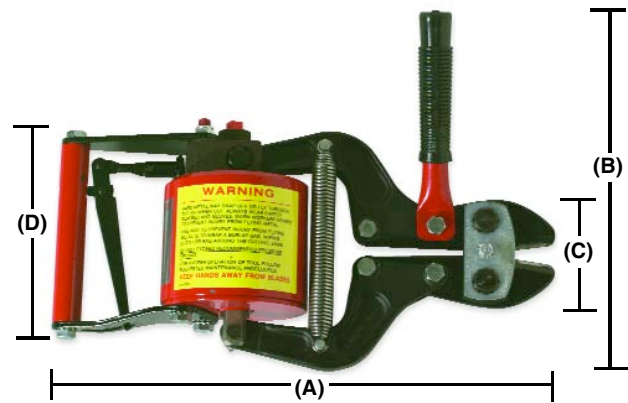
- For use with 9190 or 9290 series rod cutters and 27842 cable cutter

Cat No.	UPC No.	Approx. Weight	
		lbs	k
W32368	037103904416	12	5
W37048	037103904430	6	3
34468	037103919106	3	1.5

Pneumatic Cutters

Rod Cutter Workhead

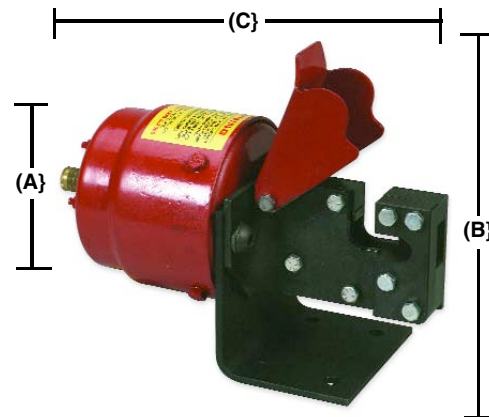
- Heavy-duty model for 90-130 psi or lightweight model for 80-120 psi
- Used in the wire-shelving industry
- No exhaust shock
- 4 cutterheads available for a wide range of production needs: center-cut, clipper-cut, angular jaws, and end-cut
- Cuts soft, medium, or hard materials (refer to chart on pages 300 - 301)
- Heavy-duty workhead (9290 series) has 5" bore (127mm) and 3" stroke (76mm)
- Light duty workhead (9190 series) has 4" bore (102mm) and 2" stroke (51mm)
- Cutting controlled by manual pressure
- Filter-lubricator units recommended in air supply line for long tool service



Cat No.	UPC No.	Description	A		B		C		Approx. Weight		Capacity	
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
9190C	037103924476	Light duty, Center Cut	15	381	7 1/4	184	3 1/8	79	11	5	3/8	10
9190NE	037103924513	Light duty, Clipper Cut	15	381	7 1/4	184	3 1/8	79	11	5	3/8	10
9190A	037103924452	Light duty, Angular Cut	15	381	7 1/4	184	3 1/8	79	11	5	3/8	10
9290C	037103924988	Heavy duty, Center Cut	17 1/2	445	10	254	3 3/4	95	18 1/4	9	1/2	13
9290NE	037103924995	Heavy duty, Clipper Cut	17 1/2	445	10	254	3 3/4	95	18 1/4	9	1/2	13

Cable Cutter

- Extremely fast cutter
- Cuts copper or aluminum cable
- Operates on 80-100 psi (6-7 kg/cm²)
- 2 control valves available: 34468, air/foot switch, or W37048, solenoid-operated (electric) foot switch
- Specify control valve when ordering
- **Made to order. Check with Customer Service for lead time**



Cat No.	UPC No.	A		B		C		Approx. Weight		Capacity	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
27842	037103916501	6 3/4	171	8	203	13	330	27	12	7/8	23

Sales Demonstration Kits

Sales demonstration kits for on-site demonstration are available through your Cooper Hand Tools sales representative.

Cat. No.	Page	Cat. No.	Page	Cat. No.	Page	Cat. No.	Page
0013AC	190	0513C	190	45601DH	217	W32368	224
0013C	190, 191	0513CX	192	5090FS	201	W37048	224
0013NE	191	0513HCX	194	6990FHL	201	W75000	208, 209, 215
0090AC	190	0513RBJ	197	6990FS	201	WRC125	208, 209, 216
0090FC	191	0513TN	196	6990FSL	201	WRC200	208, 209, 216
0090MC	190	0590MC	190	7190C	195	WSR175	209
0090MNE	191	0590MCX	192	7190HC	195	WSR250	209
0113A	192	0590MHX	194	7190NE	195	WTC200A	221
0113AC	190	0590MTN	196	7190TN	195	WTC400C	208, 209, 216
0113C	190, 191	0590RBJN	197	8613CK	203		
0113CX	192	0690C	199	8613CS	203		
0113HC	194	0690TN	198	8613FH	203		
0113MCK	193	0890CSJ	198	8613FSK	202		
0113MCS	194	0990T	198	8613TN	204		
0113NE	191	1290G	199	8690CK	203		
0113TN	196	1317PQ	199	8690CS	203		
0113TQ	196	1390L	204	8690FH	203		
0119CSP	197	1390PQ	199	8690FSK	202		
0190AC	190	1413AC	190	8690TN	204		
0190CSP	197	1413AF	192	8713CS	202		
0190FC	191	1413C	190	8713FSK	202		
0190FCX	192	1413NE	191	8790CS	202		
0190MA	192	1413TN	196	8790FSK	202		
0190MC	190	1490AC	190	8913CN	212		
0190MCK	193	1490MAF	192	9190A	208, 225		
0190MCS	194	1490MC	190	9190C	208, 225		
0190MCX	192	1490MNE	191	9190NE	208, 225		
0190ME	193	1490MTN	196	9290C	208, 225		
0190MHC	194	1713A	212	9290NE	208, 225		
0190MNE	191	1713CDX	211	BU1405	222		
0190MTN	196	1713PQ	213	BU1604	222		
0190MTQ	196	1713T	214	BU1605	222		
0190NSL	197	1713TA	214	BU1606	222		
0213C	190, 191	1713TC	213	HE2201A	219		
0213CSS	195	1713TG	215	HE2201B	219		
0213CX	192	1713TN	211	HE2201C	219		
0213LC	205	178089	212	HKA01	218		
0213NE	191	1780A	212	HKE101A	218		
0290FC	191	1780CDX	211	HKE201A	219		
0290FCS	195	1780PQ	213	HKE301A	220		
0290FHJ	196	1780T	214	HKE302A	220		
0290MC	190	1780TA	214	HKH02	218		
0290MCX	192	1780TC	213	HRC300	208, 216		
0290MLC	205	1780TG	215	PWC9	198		
0290MNE	191	1780TN	211	SC400S	208		
0313A	192	179089	212	T5102	220		
0313C	190, 191	1790CDX	211	T5104	220		
0313CX	192	1790PQ	213	T5202	220		
0313FCS	195	1790T	214	T5204	220		
0313HCX	194	1790TA	214	W106920	217		
0313LKN	204	1790TC	213	W10824	223		
0313MCK	193	1790TG	215	W11800	208, 209, 215		
0313NE	191	1790TN	211	W118SQ	216		
0313TN	196	20868	223	W119581	222		
0319CSS	197	22168	216	W119587	222		
0390CSP	197	22178	216	W119681	222		
0390FC	191	23628	223	W13800	209		
0390FCS	195	23638	223	W177089	208, 209, 212		
0390FCX	192	2690GP	200	W1770A	208, 209, 212		
0390MA	192	2710HK	200	W1770CD	208, 209, 211		
0390MC	190	2711HK	200	W1770T	214		
0390MCK	193	27842	208, 225	W1770TA	214		
0390MCX	192	2790HKP	200	W1770TC	208, 209, 213		
0390MHX	194	34468	224	W1770TG	215		
0390MLN	204	3590FS	201	W1770TN	208, 209, 211		
0390MNE	191	37071	217	W25232	223		
0390MTN	196	45601	217	W30052	223		

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