

L1106 Rev. B 08/12

IMPORTANT RECEIVING INSTRUCTIONS: Visually inspect all components for shipping damage. Shipping damage is not covered by warranty. If shipping damage is found, notify carrier at once. The carrier is responsible for all repair and replacement costs resulting from damage in shipment.

SAFETY FIRST

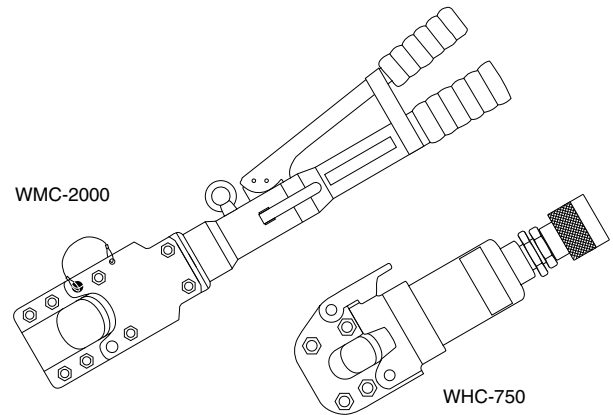


Carefully plan your system by selecting components designed to perform the intended operation and which will adequately perform with existing equipment. Always check the product limitations regarding pressure ranges, load capacities and set-up requirements. The system operating pressure must not exceed the pressure rating of the lowest rated component in the system. Read all CAUTIONS, WARNINGS, and INSTRUCTIONS included with, or attached to, each product. Follow all safety precautions to avoid personal injury or property damage during the system operation. ENERPAC CANNOT BE RESPONSIBLE FOR DAMAGE OR INJURY RESULTING FROM UNSAFE USE OF PRODUCT, LACK OF MAINTENANCE, OR INCORRECT PRODUCT AND SYSTEM APPLICATION. Contact Enerpac when in doubt as to safety precautions or applications.

DESCRIPTION

Enerpac cutters can be used for a variety of cutting operations. The table below lists the size and type of material your tool is capable of cutting.

Self-contained hydraulic cutters (WMC models) are extremely portable. Hydraulic cutterheads (WHC & WHR models) require 10,000 psi hydraulic pumps and are recommended for applications where many cuts must be made in a short amount of time.



Cutting Capacity Chart MAXIMUM DIAMETER OF MATERIAL (inches)	Hydraulic Cutterheads						Self-Contained Cutters						
	WHC -750	WHC -1250	WHC -2000	WHC -3380	WHC -4000	WHR -1250	WMC -580	WMC -750	WMC -1000	WMC -1250	WMC -1580	WMC -2000	WMC -3380
Capacity (tons)	4	20	13	3	8	20	4	4	20	20	6	13	3
Steel Wire Rope 6x7, 6x12, 6x19 Hempcore or IWRC	1 1/16"	1 1/4"	1"	★	★	1 1/4"	5/8"	3/4"	★	1 1/4"	3/4"	1"	★
Copper Wire or Bar	1 1/16"	1 1/8"	1 1/4"	★	★	1 1/8"	5/8"	1 1/16"	3/4"	1 1/8"	3/4"	1 1/4"	★
Aluminum Wire or Bar	1 1/16"	1 1/4"	1 1/4"	★	★	1 1/4"	5/8"	1 1/16"	3/4"	1 1/4"	3/4"	1 1/4"	★
Soft Steel Bolts	1 1/16"	1 1/8"	7/8"	★	★	1 1/8"	5/8"	1 1/16"	3/4"	1 1/4"	3/4"	7/8"	★
Reinforcing Bar	★	1"	★	★	★	1"	★	★	3/4"	7/8"	★	★	★
Bare Copper Wire Strand	3/4"	1 1/4"	2"	1 5/8"	★	1 1/4"	5/8"	3/4"	★	1 1/4"	1 1/2"	2"	1 5/8"
Bare Aluminum Wire Strand	3/4"	1 1/4"	2"	1 11/16"	★	1 1/4"	5/8"	3/4"	★	1 1/4"	1 5/8"	2"	1 11/16"
ACSR Wire Strand	3/4"	1 1/4"	2"	★	★	1 1/4"	5/8"	3/4"	★	1 1/4"	1 5/8"	2"	★
Guy Steel Wire Strands 1x7	5/8"	7/8"	3/4"	★	★	7/8"	9/16"	9/16"	★	7/8"	5/8"	3/4"	★
Guy Steel Wire Strand 1x19	5/8"	7/8"	3/4"	★	★	7/8"	9/16"	9/16"	★	1"	5/8"	3/4"	★
Telephone Cable	★	★	★	3 3/8"	4"	★	★	★	★	★	★	★	3 3/8"
Underground Cable (Power)	★	★	2"	3 3/8"	4"	★	5/8"	1 1/16"	★	★	1 5/8"	2"	3 3/8"
Grade 70 or 80 Alloy Chain	★	★	★	★	★	★	★	★	1/2"	★	★	★	★



Unit is not designed to cut this size or type of material. Any attempt to do so will result in personal injury and/or damage to the unit and will void the warranty.

OPERATION

PRELIMINARY INFORMATION: Be sure to observe safe operating procedures. Follow the warnings listed below and all other safety information contained in this document or decals attached to cutter. Failure to do so will result in personal injury and/or equipment damage.



CUTTING HAZARD: Keep hands away from cutter blades. Only one person should operate cutter. Do not have one person working near the blades while another person controls the pump.



Never use the cutter on electrically active or "hot" wire or cable. Be sure power has been turned off before working on electrical wire or cable.



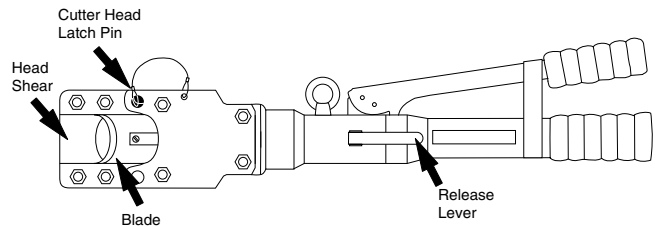
When working with wire rope or cable, wrap section being cut to prevent pieces from flying loose as they are cut.

1. WHC and WHR models: Couple pump hose to cutter. Turn collar on coupler finger tight only. No tools are needed to make this connection.
2. Select material to be cut. When cutting short pieces of wire rope, clamp or tape it first to help prevent wires from jamming between the blade and head.
3. Inspect blade and cutting head. Cutting case hardened steel will dent blades and cutting heads. The blades will eventually fatigue and crack. Replace cracked blades immediately. DO NOT operate tool with cracked or chipped blades.
4. Unlatch cutter head.
5. Place material between blade and head shear.
6. **IMPORTANT:** Securely latch the cutter head.

CAUTION

Most broken blades are the result of not latching the cutter head. When the blade is advanced, it pushes on the cutter head. As the cutter head is pushed open, a diagonal force causes the blade to break, and, in some cases, the cutter head may crack.

7. On self-contained units, push release lever in toward cutter body. For hydraulic cutterheads, close or shift valve on pump to advance position.
8. Operate handle or pump until blade is fully advanced. DO NOT exceed maximum cutting limits printed on tool decal.



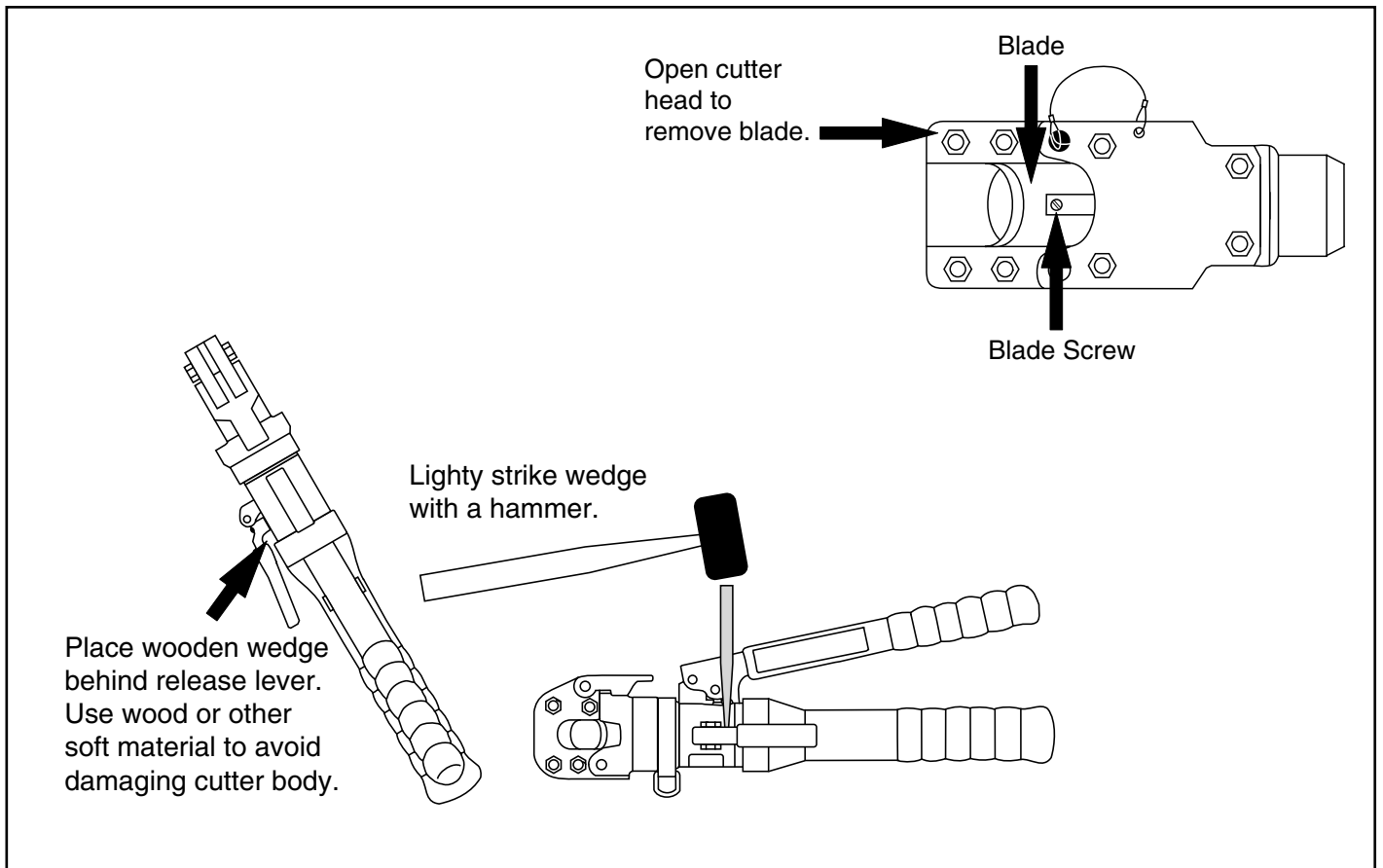
9. If the material being cut (usually wire rope or soft cables) seems to be cut but does not break free of the tool, the blade is hung up on something and needs to be removed. See "Troubleshooting" on page 3.
10. Lift release lever or shift pump to release position to retract blade. If blade does not retract, see "Troubleshooting" on page 3.
11. Return tool to carrying case to protect from dirt and corrosion. Always keep a spare blade on hand.

NOTE: Do not operate an empty cutter. The new blade and cutter head shear edges will "roll" slightly with the first material cut, creating a burr. This burr falls off as the cut takes place. Extending the blade prior to the first material cut will also raise a burr on the blade. With no material present to knock the burr off, the blade and head shear edges may lock together and the cutter will not retract. To correct this situation, the blade must be removed. Remove blade screw and blade. Unlatch cutter head.

Use a sharpening stone to remove burr from blade. Run the stone across the blade on the flat side (not the knife edge side). Keep the stone flat and parallel to the blade. Take care not to create a gap between the blade and head shear.

■ TROUBLESHOOTING

Problem	Cause	Solution
Blade will not advance.	<p>Low oil level.</p> <p>Loose coupler connection. (WHC & WHR models)</p>	<p>Be sure reservoir is filled with Enerpac oil.</p> <p>Be sure all coupler connections are complete. Loose or incomplete coupler connections will cause complete or partial blockage of oil flow.</p>
Blade will not retract.	<p>Debris caught between cutter head shear and blade.</p> <p>Fluid release lever not working.</p>	<p>Remove blade screw from piston to release pressure. Remove cutter head latch pin or spring latch to free blade.</p> <p>Clean the blade and blade track. Hone the blade. See Maintenance step 6 on page 4. Lubricate the blade and track with silicone spray.</p> <p>See illustration below. Place wooden wedge against the release pin and lightly strike wedge with a hammer. The lever should release forward to by-pass and relieve pressure.</p> <p>The blade should retract. If debris is caught between the blade and cutter head, disassemble and clean as described above.</p>
Unit leaks oil.	Seal damage caused by overloading cutter or by normal use of cutter over a period of time.	Replace seals. Seals are available as part of the Repair Kit for your cutter. An Authorized Enerpac Service Center can perform the repairs for you.



■ MAINTENANCE

Perform maintenance regularly to keep your hydraulic cutter in good operating condition.

1. Clean dirt from cutter using grease solvent.
2. Lubricate the head and blade with silicone spray rather than oil. Oil attracts dirt, silicone does not.
3. Keep reservoir full of clean oil. Drain all oil and refill with clean Enerpac oil every 12 months. Change oil more often under dirty environmental conditions.
Dispose of used oil properly.
4. If cutter has been used under water or in severe conditions, wash the cutter and lubricate immediately. Remove and clean the handle cylinder.
5. Repaint unit as necessary. If cutter is used in water regularly, repaint it with light colored corrosive resistant paint.

6. Keep blade and cutter head shear sharp. Hone blade by rubbing a sharpening stone across the blade on the flat side (not the knife edge side).

Keep the stone flat and parallel to the blade. Keep back bevel to a minimum, or blades will separate and break.

Discard cracked or chipped blades. New blades can be purchased separately.

7. Fluid leakage is usually the result of overloading the cutter and damaging the seals. Repair kits are available. Repair kits include piston seals, latch spring or pin, and blade screws. Contact your local Authorized Enerpac Service Center if your cutter needs to be repaired.

TO PROTECT YOUR WARRANTY, USE ONLY ENERPAC HYDRAULIC OIL.

Enerpac Worldwide Locations

◆ e-mail: info@enerpac.com

◆ internet: www.enerpac.com

Australia and New Zealand

Actuant Australia Ltd.
Block V Unit 3
Regents Park Estate
391 Park Road
Regents Park NSW 2143
(P.O. Box 261) Australia
T +61 (0)2 9743 8988
F +61 (0)2 9743 8648
sales-au@enerpac.com

Brazil

Power Packer do Brasil Ltda.
Rua dos Inocentes, 587
04764-050 - Sao Paulo (SP)
T +55 11 5687 2211
F +55 11 5686 5583
Toll Free: 0800 891 5770
vendasbrasil@enerpac.com

Canada

Actuant Canada Corporation
6615 Ordan Drive, Unit 14-15
Mississauga, Ontario L5T 1X2
T +1 905 564 5749
F +1 905 564 0305
Toll Free:
T +1 800 268 4987
F +1 800 461 2456
customer.service@actuant.com

China

Actuant (China) Industries Co. Ltd.
No. 6 Nanjing East Road,
Taicang Economic Dep Zone
Jiangsu, China
T +86 0512 5328 7500
F +86 0512 5335 9690
Toll Free: +86 400 885 0369
sales-cn@enerpac.com

France, Switzerland, North Africa and French speaking African countries

ENERPAC
Une division d'ACTUANT France S.A.
ZA de Courtaboeuf
32, avenue de la Baltique
91140 VILLEBON /YVETTE
France
T +33 1 60 13 68 68
F +33 1 69 20 37 50
sales-fr@enerpac.com

Germany and Austria

ENERPAC GmbH
P.O. Box 300113
D-40401 Düsseldorf
Willstätterstrasse 13
D-40549 Düsseldorf, Germany
T +49 211 471 490
F +49 211 471 49 28
sales-de@enerpac.com

India

ENERPAC Hydraulics Pvt. Ltd.
No. 1A, Peenya Industrial Area
IInd Phase, Bangalore, 560 058, India
T +91 80 40 792 777
F +91 80 40 792 792
sales-in@enerpac.com

Italy

ENERPAC S.p.A.
Via Canova 4
20094 Corsico (Milano)
T +39 02 4861 111
F +39 02 4860 1288
sales-it@enerpac.com

Japan

Applied Power Japan LTD KK
Besshocho 85-7
Kita-ku, Saitama-shi 331-0821, Japan
T +81 48 662 4911
F +81 48 662 4955
sales-jp@enerpac.com

Middle East, Egypt and Libya

ENERPAC Middle East FZE
Office 423, LOB 15
P.O. Box 18004, Jebel Ali, Dubai
United Arab Emirates
T +971 (0)4 8872686
F +971 (0)4 8872687
sales-ua@enerpac.com

Russia

Rep. office Enerpac
Russian Federation
Admiral Makarova Street 8
125212 Moscow, Russia
T +7 495 98090 91
F +7 495 98090 92
sales-ru@enerpac.com

Singapore

Actuant Asia Pte Ltd.
83 Joo Koon Circle
Singapore 629109
T +65 68 63 0611
F +65 64 84 5669
Toll Free: +1800 363 7722
sales-sg@enerpac.com

South Korea

Actuant Korea Ltd.
3Ba 717, Shihwa Industrial Complex
Jungwang-Dong, Shihung-Shi,
Kyunggi-Do
Republic of Korea 429-450
T +82 31 434 4506
F +82 31 434 4507
sales-kr@enerpac.com

Spain and Portugal

ENERPAC SPAIN, S.L.
Avda. Los Frailes, 40 - Nave C & D
Pol. Ind. Los Frailes
28814 Daganzo de Arriba
(Madrid) Spain
T +34 91 884 86 06
F +34 91 884 86 11
sales-es@enerpac.com

Sweden, Denmark, Norway, Finland and Iceland

Enerpac Scandinavia AB
Fabriksgatan 7
412 50 Gothenburg
Sweden
T +46 (0) 31 799 0281
F +46 (0) 31 799 0010
scandinavianinquiries@enerpac.com

The Netherlands, Belgium, Luxembourg, Central and Eastern Europe, Baltic States, Greece, Turkey and CIS countries

ENERPAC B.V.
Galvanistraat 115
6716 AE Ede
P.O. Box 8097
6710 AB Ede
The Netherlands
T +31 318 535 911
F +31 318 535 848
sales-nl@enerpac.com

Enerpac Integrated Solutions B.V.

Opaalstraat 44
7554 TS Hengelo
P.O. Box 421
7550 AK Hengelo
The Netherlands
T +31 74 242 20 45
F +31 74 243 03 38
integratedsolutions@enerpac.com

South Africa and other English speaking African countries

Enerpac Africa Pty Ltd.
No. 5 Bauhinia Avenue
Cambridge Office Park
Block E
Highveld Techno Park
Centurion 0157
South Africa
T: +27 12 940 0656

United Kingdom and Ireland

ENERPAC Ltd.,
Bentley Road South
Darlaston, West Midlands
WS10 8LQ
England
T +44 (0)121 50 50 787
F +44 (0)121 50 50 799
sales-uk@enerpac.com

USA, Latin America and Caribbean

ENERPAC
P.O. Box 3241
Milwaukee WI 53201 USA
T +1 262 293 1600
F +1 262 293 7036
User inquiries:
T +1 800 433 2766
Distributor inquiries/orders:
T +1 800 558 0530
F +1 800 628 0490
Technical inquiries:
techservices@enerpac.com
sales-us@enerpac.com

All Enerpac products are guaranteed against defects in workmanship and materials for as long as you own them.

For the location of your nearest authorized Enerpac Service Center, visit us at www.enerpac.com

101711