

▼ Shown: MS210



- All sets include Enerpac pump, hose, cylinder and gauge
- Lock-on or threaded connectors
- Complete maintenance set for almost every maintenance application.

The Universal Hydraulic Tool Box



Maintenance Sets

Enerpac Maintenance sets are a complete assortment of hydraulic powered tools. Using these sets allows you to quickly configure a unique tool to meet your most difficult jobs.

Built around the Enerpac lightweight hand pump, hose and cylinder, these sets enable you to push, pull, lift, press, straighten, spread and clamp with forces up to 12,5 ton.



More Information

For detailed information on all included attachments, see the next pages.

Page: 182



Clamping a workpiece is just one of the many applications for the Enerpac maintenance sets.

▼ QUICK SELECTION CHART

Capacity using attachments* ton (kN)	Set Model Number						Number of Attachment Components	 (kg)
2,5 (22)	MS24	P142	HC7206	RC55	GP10S	GA4	33	26
2,5 (22)	MSFP5	P142	HC7206	RC55	GP10S	GA4	24	20
5,0 (50)	MSFP10	P392	HC7206	RC106	G2535L	GA3	23	48
5,0 (50)	MS210	P392	HC7206	RC106	GP10S	GA2	35	63
12,5 (116)	MS220	P392	HC7206	RC256	GP10S	GA2	13	95
5,0-12,5 (50-116)	MS21020	P392	HC7206	RC102, 106, 256	GP10S	GA2	53	158

* If no attachments are being used, capacity is double these values. Maximum operating pressure is then 700 bar.

Universal Maintenance Sets



CAUTION!

When cylinders are used with maintenance set attachments or components, the maximum system pressure must be limited to half the rated pressure (350 bar).



WARNING!

Only use attachments provided with set. Non-Enerpac attachments and longer extension tubes will reduce column strength, potentially creating unsafe conditions.

MS Series



Capacity (using attachments):

2,5 - 12,5 ton

Maximum Operating Pressure:

350 bar

▼ APPLICATION EXAMPLES





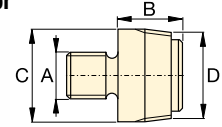
CAUTION! When cylinders are used with maintenance set attachments or components, the maximum system pressure must be limited to half the rated pressure (350 bar).

Note: All dimensions in millimetres.

Set Model Number	MS24	MSFP5	MSFP10	MS210	MS220	MS21020
Base, Collar and Plunger Attachments	2,5 ton	2,5 ton	5,0 ton	5,0 ton	12,5 ton	5,0 - 12,5 ton
Cylinder Model(s)	RC55	RC55	RC106	RC106	RC256	RC102, 106, 256
1	A23	A23	A13	A13	A28	A13, A28
2	A25	A25	A21	A21	A27	A21, A27
3	A1034	A1034	A20	A20	A595	A20, A595
4	MZ4010	MZ4010	A14	A14	A243	A14, A243
5	A545	A545	A10	A10	-	A10 (2x)
6	-	-	-	A8	-	A8
7	A530	A530	A6	A6	-	A6
8	MZ4011	-	-	A192	-	A192
9	-	-	-	A305	-	A305
10	A531	A531	A18	A18	-	A18
11	-	-	-	A185	-	A185
12	A532	A532	A15	A15	-	A15
13	-	-	-	-	A607	A607
14	A629	A629	A129	A129	-	A129
15	A539	A539	A128	A128	-	A128
Chains and Attachments for Pulling Applications	2,5 ton	2,5 ton	5,0 ton	5,0 ton	12,5 ton	5,0 - 12,5 ton
16	A558	-	-	A132	A238	A132, A238
17	-	-	-	A5 (2x)	-	A5 (2x)
18	A557 (2x)	-	-	A141 (2x)	A218 (2x)	A141 (2x), A18 (2x)
Extension Tubes, Connectors and Adaptors	2,5 ton	2,5 ton	5,0 ton	5,0 ton	12,5 ton	5,0 - 12,5 ton
19	A544	-	-	A19 (2x)	A242 (2x)	A19 (2x) A242 (2x)
20	WR5	WR5	WR5	A92	-	A92
21	MZ4013 (4x)	MZ4013 (4x)	A16 (4x)	A16 (4x)	-	A16 (4x)
22	MZ4007 (3x)	MZ4007 (3x)	MZ1050 (3x)	MZ1050 (2x)	-	MZ1050 (3x)
23	MZ4008 (2x)	-	-	MZ1051	-	MZ1051 (2x)
24	MZ4009	MZ4009	MZ1052	MZ1052	-	MZ1052
25	-	-	-	A285	-	A285
26	A650	-	-	-	-	-
27 Length (mm)	76	MZ4002	MZ4002	-	-	-
	127	MZ4003	MZ4003	MZ1002	MZ1002	-
	254	MZ4004	MZ4004	MZ1003	MZ1003	A239
	254	-	-	-	-	A239
	457	MZ4005 (2x)	MZ4005	MZ1004	MZ1004	A240
	457	-	-	-	-	A240
	584	MZ4006	MZ4006	-	-	-
	762	-	-	MZ1005	MZ1005	A241
	762	-	-	-	-	A241
28 Storage Case	CM6	CM6	CW350	CW350	CW350	CW750
Set Weight (kg)	26	20	48	63	95	158

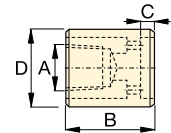
Base, Collar and Plunger Attachments

1 Threaded Adaptor



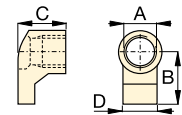
ton	Model Nr.	A	B	C	D
2,5	A23	3/4" - 16 UN	28	26	3/4" - 14 NPT
5,0	A13	1" - 8 UN	31	42	1 1/4" - 11 1/2 NPT
12,5	A28	1 1/2" - 16 UN	47	69	2" - 11 1/2 NPT

2 Base Attachment



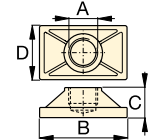
ton	Model Nr.	A	B	C	D
2,5	A25	3/4" - 14 NPT	50	12	44
5,0	A21	1 1/4" - 11 1/2 NPT	57	12	65
12,5	A27	2" - 11 1/2 NPT	63	12	98

3 Collar Toe



ton	Model Nr.	A	B	C	D
2,5	A1034	1 1/2" - 16 UN	54	50	31
5,0	A20	2 1/4" - 14 UN	80	57	57
12,5	A595	3 5/16" - 12 UN	103	51	80

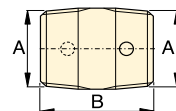
4 Flat Base



ton	Model Nr.	A	B	C	D
2,5	MZ4010	3/4" - 14 NPT	114	31	63
5,0	A14	1 1/4" - 11 1/2 NPT	165	35	88
12,5	A243 *	2" - 11 1/2 NPT	165	58	165

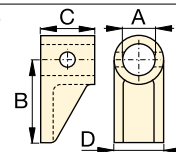
* A243 is a round base model.

5 Threaded Connector



ton	Model Nr.	A	B
2,5	A545	3/4" - 14 NPT	35
5,0	A10	1 1/4" - 11 1/2 NPT	41

6 Lock-on Clamp Toe



ton	Model Nr.	A	B	C	D
5,0	A8	43	105	50	57

Universal Maintenance Sets, MS-Series

7 Threaded Plunger Toe

ton	Model Nr.	A	B	C	D
2,5	A530	¾" - 14 NPT	57	25	33
5,0	A6	1¼" - 11½ NPT	82	31	57

14 Wedge Head

ton	Model Nr.	A	B	C	D
2,5	A629	¾" - 14 NPT	69	33	28
5,0	A129	1¼" - 11½ NPT	101	50	44

20 Spreader

ton	Model Nr.	A	B	C	D
1,0	WR5	—	223	12,8	94
1,0	A92	2¼" - 14 UN	244	35	158

8 Collar Clamp Head

ton	Model Nr.	A	B	C	D
2,5	MZ4011	¾" - 14 NPT	49	76	1½" - 16 UN
5,0	A192	—	42	63	2¼" - 14 UN

15 Rubber Flex Head

ton	Model Nr.	A	B	C
2,5	A539	¾" - 14 NPT	44	69
5,0	A128	1¼" - 11½ NPT	86	86

21 Lock Pin

ton	Model Nr.	A	B
2,5	MZ4013	7,9	41
5,0	A16	11,2	82

9 Spreader Toe

ton	Model Nr.	A	B	C	D
5,0	A305	1¼" - 11½ NPT	114	25	50

Chains and Attachments for Pulling

16 Single Chain Plate

ton	Model Nr.	A	B	C	D
2,5	A558	1½" - 16 UN	196	39	44
5,0	A132	2¼" - 14 UN	307	63	79
12,5	A238	3⅝" - 12 UN	450	102	125

22 Lock-on Connector

ton	Model Nr.	A	B
2,5	MZ4007	19	79
5,0	MZ1050	33	127

10 Serrated Saddle

ton	Model Nr.	A	B	C
2,5	A531	¾" - 14 NPT	27	31
5,0	A18	1¼" - 11½ NPT	38	50

17 Double Chain Plate

ton	Model Nr.	A	B	C	D
5,0	A5	1¼" - 11½ NPT	130	50	126

23 Male Lock-on Adaptor

ton	Model Nr.	A	B	C
2,5	MZ4008	¾" - 14 NPT	60	19
5,0	MZ1051	1¼" - 11½ NPT	90	33

11 Smooth Saddle

ton	Model Nr.	A	B	C
5,0	A185	1¼" - 11½ NPT	38	50

18 Chain with Hook

ton	Model Nr.	Chain Length
2,5	A557	1,5 metres
5,0	A141	1,8 metres
12,5	A218	2,4 metres

24 Female Lock-on Adaptor

ton	Model Nr.	A	B	C
2,5	MZ4009	¾" - 14 NPT	65	19
5,0	MZ1052	1¼" - 11½ NPT	96	33

12 90° V-Base

ton	Model Nr.	A	B	C	D
2,5	A532	¾" - 14 NPT	38	47	25
5,0	A15	1¼" - 11½ NPT	54	57	54

Tubes, Connectors and Adaptors

19 Pipe Coupling

ton	Model Nr.	A	B	C
2,5	A544	¾" - 14 NPT	42	33
5,0	A19	1¼" - 11½ NPT	49	54
12,5	A242	2" - 11½ NPT	88	82

25 Adjustable Extension

ton	Model Nr.	A	B	C	D
5,0	A285	1¼" - 11½ NPT	335	441	33

13 Plunger Base

ton	Model Nr.	A	B	C
12,5	A607	2" - 11½ NPT	166	38

26 Slip-on Extension

ton	Model Nr.	A	B	C
2,5	A650	¾" - 14 NPT	200	365

▼ Shown: SP35S



- 12,7 mm thick capacity through mild steel
- Round, oblong and square punches and dies are available to solve your punching applications
- Long life Enerpac single-acting, spring return design
- Durable steel case keeps tools and dies together and provides for easy carrying and storage
- CR400 coupler included.

▼ SP-Series, Lightweight Hydraulic Punch – Much Faster than Drilling.



Much Faster than Drilling



Tool Kit SPK10

Included with all 35 Ton punches, this tool kit is used to remove and install the punch into the head. Can be ordered as a replacement under model number **SPK10**.



Ordering Information

The 35 ton hydraulic Punch may be ordered by itself or as a set, including a pump. A punch or die may also be ordered separately or as a matched set. Please refer to the Quick Selection Chart information on top of the next page.



▼ STANDARD PUNCHES AND DIES SELECTION CHART

Hole Shape	Imperial ¹⁾ (inch)		Metric ¹⁾ (mm)	
	Hole Size	Bolt Size	Hole Size	Bolt Size
●	0,31	1/4	7,9	–
●	0,38	5/16	9,5	M8
●	0,44	3/8	11,1	M10
●	0,53	7/16	13,5	M12
●	0,56	1/2	14,3	–
●	0,69	5/8	17,5	M16
●	0,78	–	19,8	M18
●	0,81	3/4	20,6	–
■	0,31	1/4	7,9	–
■	0,38	5/16	9,5	M8
■	0,44	3/8	11,1	M10
■	0,50	7/16	12,7	M12
■	.31 x .75	1/4	7,9 x 19	–
■	.38 x .75	5/16	9,5 x 19	M8
■	.44 x .75	3/8	11,1 x 19	M10
■	.50 x .75	7/16	12,7 x 19	M12

¹⁾ Material thickness should not exceed hole diameter

Single-Acting, Spring Return Hydraulic Punch

▼ QUICK SELECTION CHART

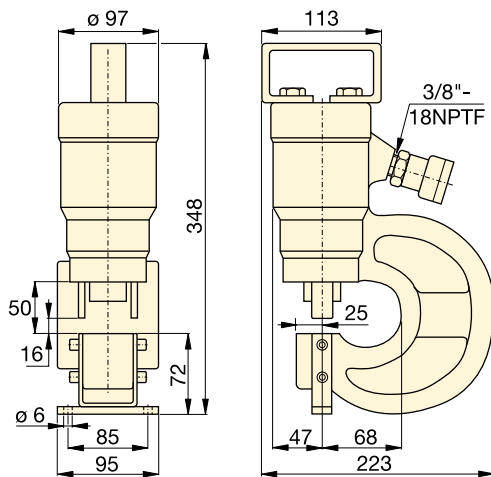
* 	Punch & Die Set	Included				Model Number	 (kg)
		Pump	Hose	Gauge	Gauge Adaptor		
SP35	Standard**	P392	HC7206	GP10S	GA2	STP35H	25
SP35	Standard**	PATG1102N	HC7206	GP10S	GA2	STP35A	29
SP35	-	-	-	-	-	SP35	16
SP35	Standard**	-	-	-	-	SP35S	18
SP35	Standard**	PUD1100E	HC7206	-	-	SP35SPE	29
SP35	Metric***	-	-	-	-	MSP351	21
SP35	Metric***	PUD1100E	HC7206	-	-	MSP351PE	32

* Punch oil capacity: 76 cm³

Includes the following punch and die sets:

** SPD438, SPD688, SPD563 and SPD813

*** SPD375, SPD531, SPD438 and SPD688



MSP SP STP Series



Capacity:

35 ton

Hole Sizes:

7,9 - 20,6 mm

Maximum Operating Pressure:

700 bar



CAUTION!

The chart below is for reference only! Maximum allowable material thickness to be punched varies with set wear.




CAUTION!

Material thickness should not exceed hole diameter.

Steel Qualities (see table):

- 1) Mild A-7
- 2) Boiler Plate
- 3) Structural A-36
- 4) Struct Corten (ASTM A242)
- 5) Cold Rolled C-1018
- 6) Hot Rolled C-1050
- 7) Hot Rolled C-1095
- 8) Hot Rolled C-1095 Annealed
- 9) Stainless Annealed
- 10) Stainless 304 Hot Rolled
- 11) Stainless 316 Cold Rolled

Model Nr. Standard Punch & Die Set	Maximum allowable material thickness to be punched (mm) Material thickness should not exceed hole diameter										
	1)	2)	3)	4)	5)	6)	7)	8)	9)	10)	11)
 SPD313	7,9	7,9	6,4	6,4	6,4	6,4	3,3	4,8	6,4	6,4	6,4
SPD375	9,7	9,7	7,9	7,9	7,9	7,9	4,8	6,4	7,9	7,9	7,9
SPD438	11,2	11,2	9,7	9,7	9,7	7,9	4,8	7,9	7,9	7,9	7,9
SPD531	12,7	12,7	11,2	11,2	11,2	9,7	6,4	7,9	9,7	9,7	9,7
SPD563	12,7	12,7	12,7	11,2	12,7	11,2	6,4	9,7	11,2	11,2	11,2
SPD688	12,7	12,7	12,7	11,2	12,7	10,2	6,4	7,9	10,2	10,2	10,2
SPD781	12,7	12,7	12,7	11,2	12,7	9,7	6,4	7,9	9,7	9,9	9,7
SPD813	12,7	12,7	12,7	11,2	12,7	7,9	4,8	7,9	7,9	7,9	7,9
SPD458	7,9	7,9	6,4	6,4	6,4	6,4	3,3	4,8	6,4	6,4	6,4
SPD549	9,7	9,7	7,9	7,9	7,9	7,9	4,8	6,4	7,9	7,9	7,9
SPD639	11,2	11,2	9,7	9,7	9,7	7,9	4,8	7,9	7,9	7,9	7,9
SPD728	12,7	12,7	11,2	11,2	11,2	9,7	6,4	7,9	9,7	9,7	8,6
SPD106	7,9	7,9	6,4	6,4	6,4	6,4	3,3	4,8	6,4	6,4	6,4
SPD125	9,7	9,7	7,9	7,9	7,9	7,9	4,8	6,4	7,9	7,9	7,9
SPD188	11,2	11,2	9,7	9,7	9,7	7,9	4,8	7,9	7,9	7,9	7,9
SPD250	12,7	12,7	11,2	11,2	11,2	9,7	6,4	7,9	9,7	9,7	9,7

▼ The hydraulic punch cuts the time spent forming holes.



▼ Shown: SP50100



- Available as a complete set including electric pump and hoses
- Double-acting cylinder design for fast cycle times
- Punch and die changeover tools included
- Lifting bracket included
- Adjustable power stripper prevents movement of the metal during stripping
- CR400 female couplers included.

Cuts the Time Spent Forming Holes



Depth Stop

For simplified repetitive punching applications an adjustable Depth Stop is available. Order model number: **SP110**.



Foot Mounting Kit

A foot mounting kit for easy mounting of the 50 ton punch to workbench or fixture is available. Order model number: **SP120**.



Ordering Information

The 50-ton Hydraulic Punch may be ordered by itself or as a set with an electric pump. A punch and die may be ordered as a matched set.

Please refer to the selection chart information.




◀ Save time using the 50-ton Enerpac Punch.

▼ Shown below is the 50 ton punch with SP120 and SP110 assembled.



50 Ton Double-Acting Hydraulic Punch

▼ QUICK SELECTION CHART PUNCH SETS

Included				Set Model Number	 (kg)
Model Number Punch *	Punch & Die Sets	Electric Pump	Hydraulic Hose (2x)		
SP50	All **	-	-	SP50100	116
SP50	All **	ZE4410SE	HC7206	SP5000E	174

* Punch Oil Capacity:

Advance: 278 cm³

Retract: 229 cm³

** All standard sets from chart below.

SP Series



Capacity:

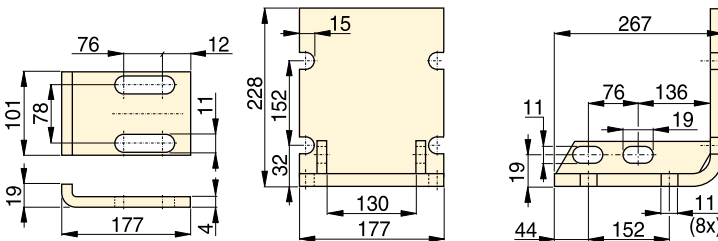
50 ton (490 kN)

Hole Sizes:

13,5 - 26,2 mm

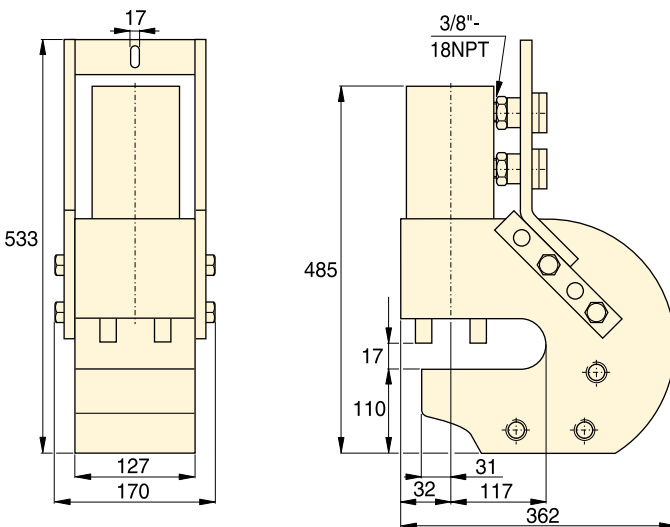
Maximum Operating Pressure:

700 bar



SP110

SP120



SP50



CAUTION!

Material thickness should not exceed hole diameter.




CAUTION!

Chart below is for reference only! Maximum allowable material thickness to be punched varies with set wear.

Steel Qualities (see table below):

- 1) Mild A-7
- 2) Boiler Plate
- 3) Structural A-36
- 4) Struct Corten (ASTM A242)
- 5) Cold Rolled C-1018
- 6) Hot Rolled C-1050
- 7) Hot Rolled C-1095
- 8) Hot Rolled C-1095 Annealed
- 9) Stainless Annealed
- 10) Stainless 304 Hot Rolled
- 11) Stainless 316 Cold Rolled

▼ STANDARD PUNCH AND DIE SELECTION CHART

Hole Shape	Hole Size (mm)	Bolt Size (mm)	Model Numbers Standard Punch and Die Set 	Maximum Allowable Material Thickness To Be Punched (mm)										
				1)	2)	3)	4)	5)	6)	7)	8)	9)	10)	11)
●	13,5	M12	SP150	13,5	13,5	13,5	13,5	13,5	12,4	8,1	10,2	12,4	12,4	12,4
●	16,7	M16	SP170	-	-	-	-	-	13,0	8,1	10,2	13,0	13,0	13,0
●	19,8	M18	SP190	-	-	-	-	-	12,4	8,1	10,2	12,4	12,7	12,4
●	23,1	M20	SP121	14,2	14,2	14,2	12,7	14,2	8,9	5,6	8,9	8,9	8,9	8,9
●	26,2	M24	SP123	14,2	14,2	14,2	11,2	14,2	7,9	4,8	7,9	7,9	7,9	7,9

LW-Series, Hydraulic Vertical Lifting Wedges



▼ Shown: LWC16, LW16 with SB2 and optional LWB1



- Integrated hand pump offers greater maneuverability (LWC16 only)
- Minimized access gap for greater accessibility on applications with limited insertion space
- Secure, stable lifting and lowering motion with no slippage
- Single-acting spring return cylinder allows for automatic, mechanical retraction
- Includes safety block SB2
- LW16 can be used in multiple set-up.

LW Series

Maximum Lifting Force:

16 ton (157 kN)

Minimum Clearance:

10 mm

Maximum Lift Height*:

51 - 69 mm

Maximum Operating Pressure:

700 bar

* Using Stepped Block LWB1



Power Box

Tool box with hand pump, gauge adaptor assembly, hose and LW16.

Page: 65



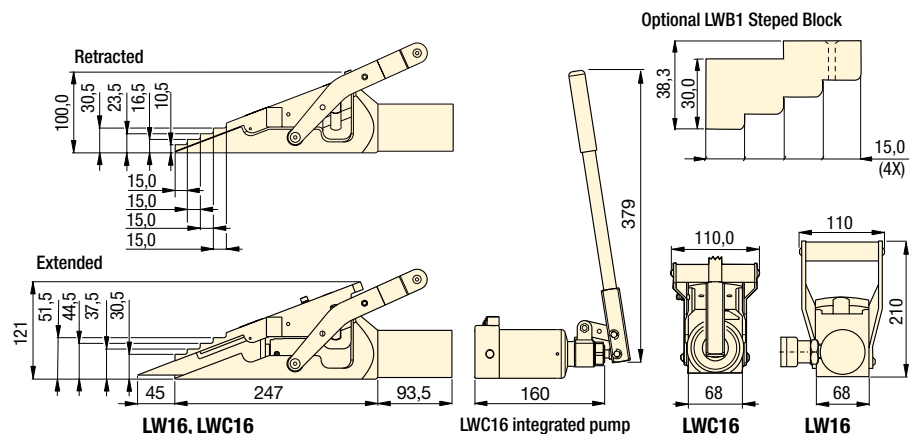
Control Manifolds

Control Manifold to control two or four LW16 lifting wedges simultaneously.

AM21 with 3 ports 3/8" NPTF
AM41 with 5 ports 3/8" NPTF.

Page: 132

▼ For lifting heavy equipment with minimum floor clearance the LW16 is the ideal tool.



Max. Lifting Force	Model Number	Minimum Clearance Gap	Max. Lift per Stage	Max. Lifting Height	Max. Lifting Height using Stepped Block LWB1	Oil Capacity	Pump Power Source	(kg)
ton (kN)		(mm)	(mm)	(mm)	(mm)	(cm ³)		
16 (157)	LW16 ¹⁾	10	21	51,5	69	78	External	7,0
	LWC16 ²⁾					–	Integrated	10,0

¹⁾ Includes SB2

²⁾ Includes SB2, LWB1, and carrying case.

▼ SOH10-6 Hydraulic Machine Lifts



- For lifting heavy equipment with minimum available access
- Remote hydraulic pump enhances safety
- Low-height lifting toe
- Precision guided to reduce friction and isolate cylinder from side-loads
- Two extendable support feet provide extra stability
- Includes RC-Series cylinder with CR400 coupler.

SOH Series

Lifting Capacity:
8,5 - 20 ton

Stroke:
136 - 157 mm

Toe Clearance:
20 mm

Maximum Operating Pressure:
700 bar



RSM-Series, Low-Height Cylinders

Low-height, single-acting spring-return cylinders are ideal for space restricted applications.

Page: 26

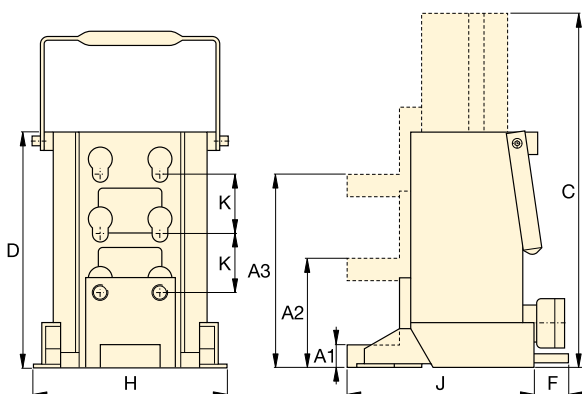


Machine Skates

In combination with the Enerpac Machine Lifts we recommend Machine Skates for moving heavy loads.

Page: 190

▼ Limited access under this machine makes the Enerpac hydraulic machine lift the perfect solution.



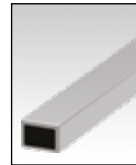
Capacity	Toe Clearance (mm)			Stroke	Model Number	Oil Capacity	Dimensions (mm)						🏋️ (kg)
	Minimum A1	Central A2	Maximum A3				Total Ext. Height C	Total Body Height D	F	H	J	K	
8,5 (75)	20	95	169	136	SOH10-6	224	430	294	–	190	214	74	26
20 (178)	30	110	190	157	SOH23-6	525	472	320	65	265	250	80	45

▼ **MLS-Series, Wheeled Machine Skates**



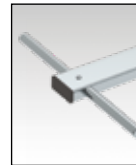
DESIGNED FOR INDUSTRIAL MACHINE MOVERS AND MILLWRIGHTS

- Durable polyurethane or optional nylon wheels provide excellent stability while preventing damage to finished floors
- Rugged, reliable bearings and wheels deliver low rolling resistance
- Low height requires minimal lifting to accommodate moves
- MLSF steerable skates improve maneuverability with turntables that can easily rotate under the load, ideal for general applications
- For ultimate versatility, MLSR rotational skates provide 360 degrees of directional movement, ideal for confined space applications
- Models pre-assembled with nylon wheels are available upon request
- Configure MLSR sets with a handle and connecting bar to meet your application requirements.



Connecting Bars

Connecting bars come standard with MLSD-models. Different lengths of connecting bars are available to connect MLSR-models together.



Handles

MLSF-models come standard with size-specific handles. Optional manual or pulling eye handles are available for MLSR-models.



Optional Turntable Assembly

Available for MLSR-Rotational Skates. The turntable provides an additional 37 mm of height.

Model Number	Type	Compatible with
MLSRTT	Swivel Top	MLSR3, MLSR7, MLSR9



Nylon Wheel Kits

Nylon wheel kits are available for better wear resistance or if increased capacity is required.

Nylon Wheel Kit	Part Number	Compatible Skates	No. of Wheel Kits per Skate
ø85mm x 87mm width. Includes 4 wheels	MLSWNY85874	MLSF3, MLS3	1
		MLSF7, MLS7	2
		MLSF10, MLS10	3
		MLSF13, MLS13	4
ø140mm x 85mm width. Includes 4 wheels	MLSWNY140854	MLSF17, MLS17	2
		MLSF27, MLS27	3
		MLSF35, MLS35	4

An Enerpac MLS-Series machine skate set combined with a low-height hydraulic cylinder provides the ideal package for heavy machinery moves.



Wheeled Machine Skates



Selecting the Right Skate Set

MLS-Series Machine Skates offer easy and stable movement across various floor types.

MLSS-sets (consisting of MLSF and MLSD-skates) are a great option for most maneuvers, especially when confined space is not a concern.

MLSR-rotational skates have the highest level of maneuverability for easy moves in tight spaces and around corners.

Combining MLSR-models with connecting bars and handles provides a versatile set to cover more applications.

For ordinary concrete floors consider the ER-Series Chain Roller Machine Skates.

EMLS, EMV-Series, Battery-Powered Machine Skates

Remote-controlled, heavy-duty machine moving system up to 50 ton for clean and even surfaces.

MLS Series

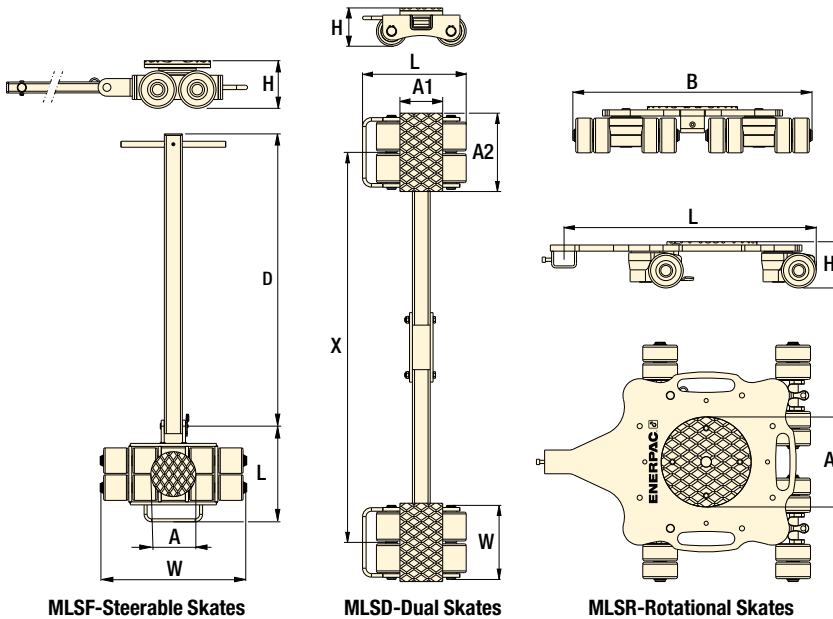


Capacity (Individual Skates):

3 - 32 ton (29 - 314 kN)

Height:

110 - 180 mm



MLSF-Steerable Skates

MLSD-Dual Skates

MLSR-Rotational Skates



Lifting Wedges & Machine Lifts

To place Machine Skates, the load must first be lifted. This can be done using the LW-Series Enerpac Lifting Wedge or SOH-Series Machine Lifts.

Page: 179



ER-Series, Chain Roller Skates

Enerpac has an alternative offering of steel chain roller style machine skates for moving loads up to 80 ton.

Page: 192

SELECTION CHART

Capacity ton (kN)	Model Number	No. of Wheels/ Diameter	Dimensions (mm)									Handle Type	Weight (kg)
			ø mm	A	A1	A2	B	D	H	L	W		
3 (29)	MLSF3	4 85	150	-	-	-	1000	110	238	268	-	Manual	14
6 (59)	MLSF7	8 85	150	-	-	-	1000	110	339	483	-	Manual	26
9 (88)	MLSF10	12 85	170	-	-	-	1170	110	525	780	-	Towable	57
12 (118)	MLSF13	16 85	170	-	-	-	1170	110	528	982	-	Towable	68
16 (157)	MLSF17	8 140	220	-	-	-	1620	180	567	724	-	Towable	132
24 (235)	MLSF27	12 140	220	-	-	-	1620	180	567	931	-	Towable	158
32 (314)	MLSF35	16 140	250	-	-	-	1620	180	567	1142	-	Towable	196
3 (29)	MLSD3	4 85	-	150	75	-	-	110	246	120	120-1000	-	14
6 (59)	MLSD7	8 85	-	120	220	-	-	110	291	220	420-1100	-	29
9 (88)	MLSD10	12 85	-	170	180	-	-	110	295	295	460-1145	-	36
12 (118)	MLSD13	16 85	-	200	220	-	-	110	291	382	560-1095	-	45
16 (157)	MLSD17	8 140	-	318	190	-	-	180	456	216	220-1940	-	92
24 (235)	MLSD27	12 140	-	318	285	-	-	180	456	313	320-1940	-	119
32 (314)	MLSD35	16 140	-	318	382	-	-	180	456	410	420-1660	-	152
3 (29)	MLSR3	8 85	170	-	-	467	-	110	588	-	-	-	35
6 (59)	MLSR7	16 85	220	-	-	585	-	110	650	-	-	-	43
8 (78)	MLSR9	20 85	220	-	-	786	-	110	829	-	-	-	59

MLSR ACCESSORIES

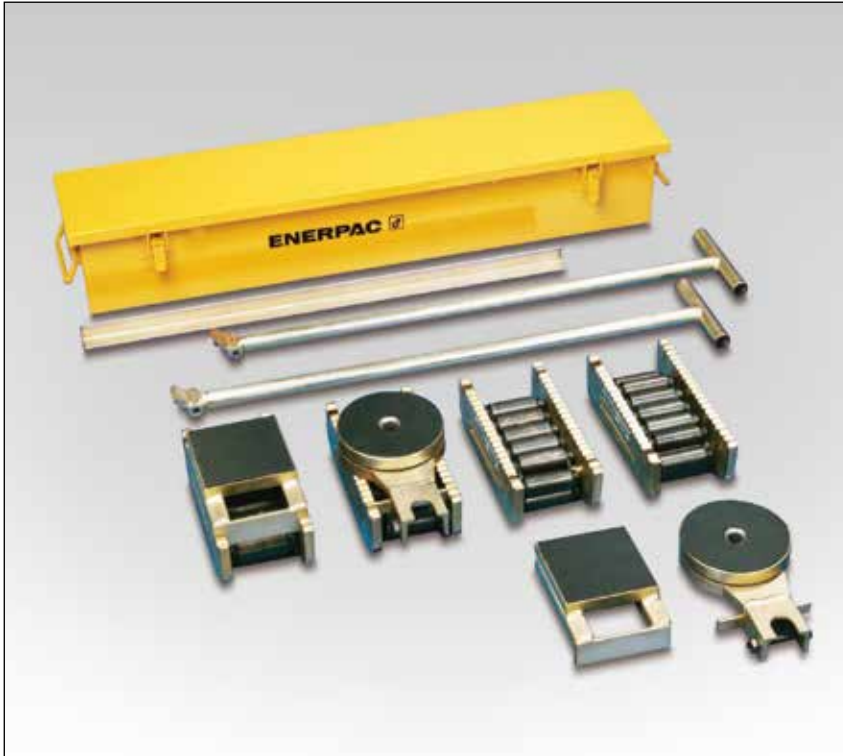
Description	Model Number	Type	Length (mm)	Compatible with
Handles	MLSHRT	Manual	990	MLSR3
	MLSHRR	Towable	1170	
Connecting Bars	MLSCR6	Rigid	2000	MLSR7
	MLSCR8	Rigid	2500	MLSR9
	MLSCRH8	Handle Joint	2500	

AVAILABLE SETS

Set Model Number	Set Model Numbers Include:	Set Capacity * ton (kN)
MLSS7	1x MLSF3 + 1x MLSD3	6 (59)
MLSS13	1x MLSF7 + 1x MLSD7	12 (118)
MLSS20	1x MLSF10 + 1x MLSD10	18 (176)
MLSS27	1x MLSF13 + 1x MLSD13	24 (235)
MLSS35	1x MLSF17 + 1x MLSD17	32 (314)
MLSS53	1x MLSF27 + 1x MLSD27	48 (471)
MLSS70	1x MLSF35 + 1x MLSD35	64 (628)

* Set capacity assumed to be equally distributed across skates. Ensure each individual skate capacity is not exceeded.

▼ Shown: Set ERS20



- Rugged and sturdy construction for long life
- Low profile construction for increased stability
- Low rolling-resistance allows for easy transportation
- Attachable load leveling plates and swivel turntables for turning corners.

Move Heavy Loads Easily and Safely



Sets (see table) include all components necessary to handle a variety of applications.

Two **ELB1** link-up bars, two **ERH1** handles (875 mm long) and one **EMB1** metal box are included.

Optional long handle **ERH2** (1180 mm) available for 60 and 80 ton only.



Lifting Wedges and Machine Lifts

To place the Machine Skates, the load must first be lifted. This can be done easily and safely using the Enerpac Lifting Wedge or Machine Lifts.

Page: 188



MLS-Series, Polyurethane Wheeled Machine Skates

Enerpac has an alternative offering of machine skates upto 32 ton capacity. Durable polyurethane or optional nylon wheels provide excellent stability while preventing damage to finished floors

Page: 190

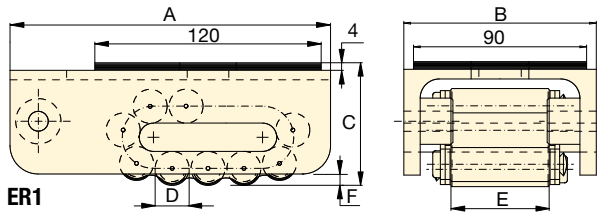
▼ Heavy transport using Machine Skates. The machine is first lifted, using SOH-Series Enerpac Machine Lifts.



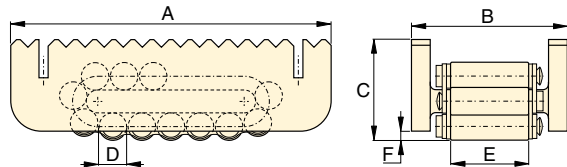
▼ Chemical tank transportation: The first few centimetres the load was lifted with RCS-Series low height cylinders and then moved on to machine skates for transportation.



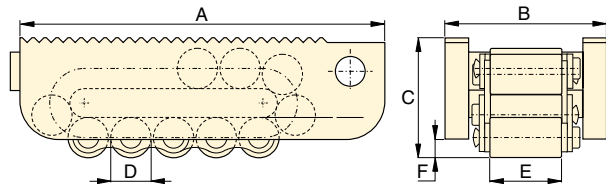
Heavy Duty Chain Roller Machine Skates



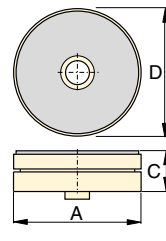
ER1



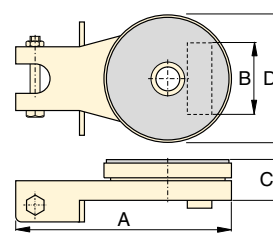
ER10, ER15, ER30



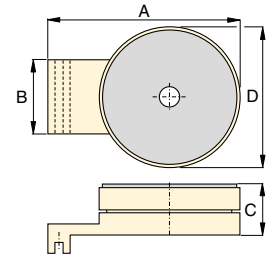
ER60, ER80



ES1, Turntable Swivel



ES10, ES15, ES30 Turntable Swivel





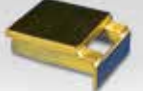
ES60, ES80, Turntable Swivel

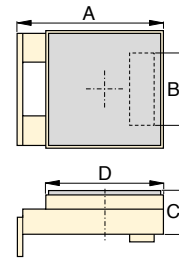
**EL
ER
ES
Series**



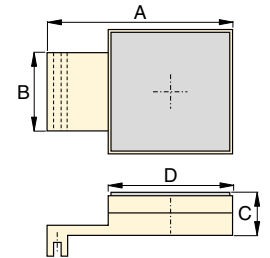
Maximum Carrying Capacity:
80 ton (711 kN)

Machine Skates may be ordered separately or as a matched set.

Set Capacity * ton (kN)	Set Model Number	Machine Skates (4x)	Turntable Swivels (2x)	Leveling Plates (2x)	Weight including handles and metal box (kg)
					
20 (178)	ERS20	ER10	ES10	ELP10	49
30 (267)	ERS30	ER15	ES15	ELP15	55
60 (533)	ERS60	ER30	ES30	ELP30	75







ELP10, ELP15, ELP30 Levelling Plate



ELP60, ELP80 Levelling Plate

* Sets are designed to enable two skates to take full load for extra safety on uneven floor surfaces

	Capacity ton (kN)	Model Number	Dimensions (mm)						Contact Rolls per Skate	Rollers per Skate	 (kg)
			A	B	C	D	E	F			
 Machine Skates	1 (8,9)	ER1	170	100	65	18	51	6	4	11	3,8
	10 (89)	ER10	210	102	66	18	51	6	5	15	5,2
	15 (133)	ER15	220	115	75	24	60	10	4	13	7,3
	30 (267)	ER30	270	130	92	30	68	10	4	13	13,0
	60 (533)	ER60	380	168	125	42	76	16	4	13	31,9
 Turntable Swivel	1 (8,9)	ES1	207	-	26	90	-	-	-	-	1,1
	10 (89)	ES10	220	73	42	130	-	-	-	-	3,7
	15 (133)	ES15	220	86	42	130	-	-	-	-	3,7
	30 (267)	ES30	250	96	48	150	-	-	-	-	5,3
	60 (533)	ES60	275	114	61	190	-	-	-	-	13,7
 Leveling Plate	10 (89)	ELP10	149	73	42	120	-	-	-	-	3,7
	15 (133)	ELP15	149	86	42	120	-	-	-	-	3,7
	30 (267)	ELP30	178	96	48	130	-	-	-	-	5,3
	60 (533)	ELP60	270	114	61	180	-	-	-	-	13,8
	80 (711)	ELP80	350	128	61	200	-	-	-	-	18,8

▼ CM16



- Protect your equipment from dust, water, grease and dirt
- Reduce losses on the jobsite, maintenance area or shop
- Durable steel, painted with rust-resistant primer and finished in durable enamel
- Heavy duty hinges and lifting handles
- Lockable.

▼ When not storing the lifting system, this heavy-duty storage case doubles as a work station.



CM Series

Case Size:

19 - 453 litres

Protect your Equipment



Maintenance Sets

Enerpac Maintenance sets are a complete assortment of hydraulic powered tools.

Using these sets allows you to quickly configure a unique tool to meet your most difficult jobs.

Built around the Enerpac lightweight hand pump, hose and cylinder, these sets enable you to push, pull, lift, press, straighten, spread and clamp with forces up to 12,5 ton.

Page: 180




Hydraulic Pullers

These hydraulic pullers eliminate time-consuming and unsafe hammering, heating or prying.

Damage to parts is minimized through the use of controlled hydraulic power.

Page: 159

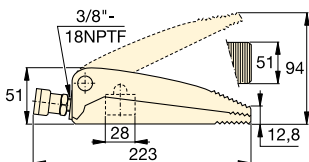
Case Size (litres)	Model Number	Inside Dimensions L x W x H (mm)	Thickness (mm)	 (kg)
19	CM6	597 x 178 x 203	0,9	7
32	CM1	622 x 282 x 165	0,9	8
127	CM4	778 x 454 x 354	1,5	16
212	CM7	1210 x 387 x 457	1,9	57
453	CM16	1216 x 606 x 557	1,5	55

Hydraulic Wedgie and Spread Cylinders

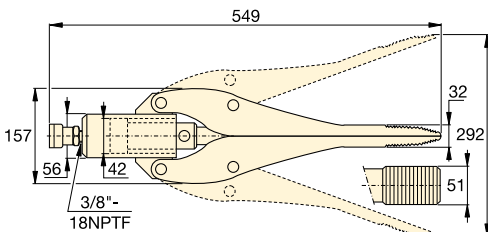
▼ Shown clockwise from top: **WR15, WR5, A92**



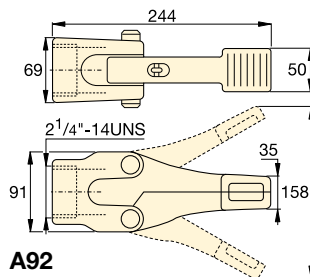
- **WR5:** For use in very confined work areas
- **WR15:** For long stroke spreading applications
- **Single-acting, spring return**
- **A92:** Spreader attachment; threads on 10 ton RC-Series cylinders * (except RC101).




WR5



WR15



A92

Cylinder Capacity	Tip Clearance	Model Number	Maximum Spread	Cylinder Effective Area	Oil Capacity	
ton (kN)	(mm)		(mm)	(cm ²)	(cm ³)	(kg)
1,0 (8,9)	12,8	WR5	94	6,5	10	2,3
0,75 (6)	32,0	WR15	292	14,5	64	11,3
1,0 (8,9)	35,0	A92 *	158	–	–	3,6

* Maximum system pressure must be limited to half the rated pressure (350 bar).

A WR Series



Capacity:

0,75 - 1,0 ton

Tip Clearance:

12,8 - 35 mm

Maximum Spread:

94 - 292 mm

Maximum Operating Pressure:

700 bar



RC-Series Cylinders

10 ton RC-Series cylinders (except RC-101) fit into **A92** Spreader Attachment.

Page: **6**



Power Box

Tool box with **P392** hand pump, gauge adaptor assembly, hose and **WR5**.

Page: **65**

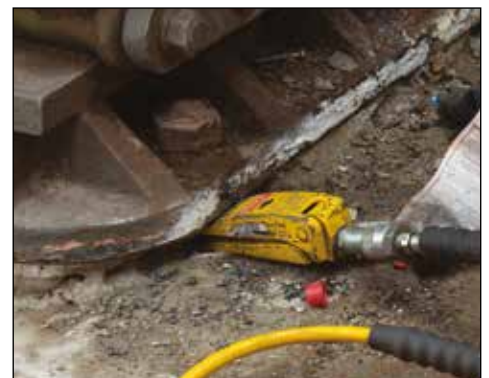


Best Match Hand Pump

To power your **WR5** and **WR15** the **P392** hand pump is an ideal choice. Use Enerpac **H700-Series** hose (page 128) for hydraulic connection.

Page: **76**

▼ A **WR5** wedgie cylinder is used to loosen a bridge bearing.



▼ Shown: STB101H



Quick, Safe and Wrinkle-free Bending

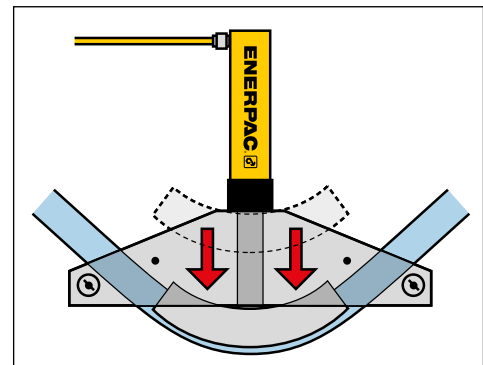


'One Shot' and 'Sweep'

One shot shoes give up to a 90° bend without resetting.

Sweep shoes are used where increasing radii are required for multiple parallel pipe installations.

- Makes smooth, wrinkle-free bends
- Sets include genuine Enerpac cylinder, hose, air, electric or hand pump
- Sets are also available without hydraulics
- Bending shoes and frame are lightweight, heat-treated aluminium
- All sets include sturdy steel storage case
- All sets include BZ12091 angle indicator for accurate bending
- BZ12377 Shoe Lock Pin included in every set
- Eject-O-Matic™ benders (STB202 models) have double-acting cylinder to eject pipe from the bending shoe.



▲ Typical one shot bending operation.

▼ SELECTION CHART

Pipe Range Nominal Size (inch)		Bender Set Model Number	Hand Pump *	Air Pump *	Electric Pump *		Cylinder *	Hose *	Saddle *	 (kg)
One Shot	Sweep									
1/2 - 2	-	STB101X	-	-	-	-	-	-	A12	40
		STB101N	-	-	-	-	RC1010	HC7206	A12	48
		STB101H	P392	-	-	-	RC1010	HC7206	A12	52
		STB101A	-	PATG1102N	-	-	RC1010	HC7206	A12	54
		STB101E ²⁾	-	-	PUJ1200E ²⁾	-	RC1010	HC7206	A12	57
1 - 2	2 1/2 - 4	STB221X	-	-	-	-	-	-	A29	104
		STB221N	-	-	-	-	RC2510	HC7206	A29	119
		STB221H	P80	-	-	-	RC2510	HC7206	A29	130
1 1/4 - 4	-	STB202X ¹⁾	-	-	-	-	-	-	A29	143
		STB202N ¹⁾	-	-	-	-	RR3014	HC7206 (2x)	A29	174
		STB202E ^{1) 2)}	-	-	-	ZU4408SE ²⁾	RR3014	HC7206 (2x)	A29	212

* See corresponding sections in this catalog for more detailed specifications.

¹⁾ Eject-O-Matic™

²⁾ For 115 volt applications replace the last digit of Set Model Number and pump from 'E' to 'B'. Example: **STB202B**

Pipe Bender Sets

Nominal Pipe Size (inch)	Wall Thickness (mm)	Schedule Pipe *	Pipe Bend Inside Radius (inch)	STB101	STB221 ø 1 - 2" One Shot	STB202	One Shot Bending Shoe Model Number	Sweep Bending Shoe Model Number
				ø ½ - 2" One Shot	ø 2¼ - 4" Sweep	ø 1¼ - 4" One Shot		
½	2,8	40	27/8	Yes	-	-	BZ12011	-
	3,7	80		Yes	-	-		
	4,7	160		WS *	-	-		
	7,5	DEH		WS *	-	-		
¾	2,9	40	4	Yes	-	-	BZ12021	-
	3,9	80		Yes	-	-		
	5,5	160		WS *	-	-		
	7,8	DEH		WS *	-	-		
1	3,4	40	5½	Yes	Yes	-	BZ12031	-
	4,5	80		Yes	Yes	-		
	6,4	160		WS *	WS *	-		
	9,1	DEH		-	WS *	-		
1¼	3,6	40	67/16	Yes	Yes	Yes	BZ12041	-
	4,9	80		Yes	Yes	Yes		
	6,4	160		WS *	WS *	Yes		
	8,7	DEH		-	WS *	WS *		
1½	3,7	40	7 5/16	Yes	Yes	Yes	BZ12051	-
	5,1	80		Yes	Yes	Yes		
	7,1	160		WS *	WS *	Yes		
	10,2	DEH		-	WS *	WS *		
2	3,9	40	8 5/16	-	Yes	Yes	BZ12061	-
	5,5	80		-	Yes	Yes		
	8,7	160		-	WS *	Yes		
2½	5,2	40	9½	-	Yes	Yes	BZ12341	BZ12382
	7,0	80		-	WS *	Yes		
	9,5	160		-	WS *	Yes		
3	5,5	40	11¼	-	Yes	Yes	BZ12351	BZ12383
	7,6	80		-	WS *	Yes		
3½	5,7	40	15½	-	Yes	Yes	BZ12391	BZ12384
	8,1	80		-	WS *	Yes		
4	6,0	40	17¾	-	Yes	Yes	BZ12392	BZ12385
	8,6	80		-	-	Yes		

STB Series



Nominal Pipe Size:

ø ½ - 4 inch

Maximum Bending:

90°

Maximum Operating Pressure:

700 bar



* Schedule Pipe

All bender sets are designed to bend mild steel pipe. For other material please consult Enerpac.

40 = Standard;

80 = Extra Heavy;

160 = Double Extra Heavy;

DEH = Double Extra Heavy (slightly thicker than 160);

WS = Can be bent using wider spacing for swivel shoes.

Frame Assembly	Pivot Pins (2x)	Pivot Shoes (2x)	Bending Shoes included (Shoes with ³⁾ are Sweep, all other shoes are One Shot)									Bender Set Model Number
BZ12371	BZ12375	BZ12071	BZ12011	BZ12021	BZ12031	BZ12041	BZ12051	BZ12061	-	-	STB101X	
			BZ12011	BZ12021	BZ12031	BZ12041	BZ12051	BZ12061	-	-	STB101N	
			BZ12011	BZ12021	BZ12031	BZ12041	BZ12051	BZ12061	-	-	STB101H	
			BZ12011	BZ12021	BZ12031	BZ12041	BZ12051	BZ12061	-	-	STB101A	
			BZ12011	BZ12021	BZ12031	BZ12041	BZ12051	BZ12061	-	-	STB101E ²⁾	
BZ12372	BZ12376	BZ13401	BZ12031	BZ12041	BZ12051	BZ12061	BZ12382 ³⁾	BZ12383 ³⁾	BZ12384 ³⁾	BZ12385 ³⁾	STB221X	
			BZ12031	BZ12041	BZ12051	BZ12061	BZ12382 ³⁾	BZ12383 ³⁾	BZ12384 ³⁾	BZ12385 ³⁾	STB221N	
			BZ12031	BZ12041	BZ12051	BZ12061	BZ12382 ³⁾	BZ12383 ³⁾	BZ12384 ³⁾	BZ12385 ³⁾	STB221H	
BZ12374	BZ12376	BZ13401	BZ12041	BZ12051	BZ12061	BZ12341	BZ12351	BZ12391	BZ12392	STB202X ¹⁾		
			BZ12041	BZ12051	BZ12061	BZ12341	BZ12351	BZ12391	BZ12392	STB202N ¹⁾		
			BZ12041	BZ12051	BZ12061	BZ12341	BZ12351	BZ12391	BZ12392	STB202E ^{1) 2)}		

▼ RP70A, Hydraulic Rail Stressor



Hydraulic Rail Stressor

- Modular 70 ton stressor and holds the rail in neutral length during the welding process
- Easy to assemble in less than 2 minutes
- The RP70A stressor can be safely transported in a special designed steel transport frame together with pump and hose set
- Certified lifting eyes mounted directly on the clamps for easy and safe lifting
- Designed with new aluminum lightweight cylinders including protection sleeves over the rods to extend durability

ZC3-Series, Battery Powered Stressing Pumps *(see page 199)*

- Zero emission hydraulic power pack
- Advanced brushless motor and Lithium-ion battery
- Steel manual operating valve with pressure hold function
- Safety key to safely leave the pump unattended during breaks
- Pressure release valve V182 included.



Lightweight & Modular Rail Stressing System



RP70A Rail Stressor

The Enerpac RP70A is a lightweight rail stressing kit for railway maintenance crews who assemble and install the rail puller directly on site.

The durable, easy-to-assemble components, stored and protected in a specially designed steel cage during transport, are up to 3 times lighter than similar tools.

The less physically demanding Enerpac RP70A is compatible with the cordless Enerpac ZC3-Series pump for a complete clean energy solution.



Certificate of Acceptance PA05-06958

Both RP70A Hydraulic Rail Stressor and ZC3 Stressing Pump are certified by Network Rail.



Durability

Double-acting aluminium cylinders are enclosed within steel sleeves protecting the cylinder rods from damage, particularly weld splatter and extends the life of the unit.



▲ RP70A rail stressor can be safely transported by forklift truck or manually in a special designed steel transport frame.

◀ Complete system with RP70A Hydraulic Rail Stressor and ZC3 cordless stressing pump.

Hydraulic Rail Stressor & Cordless Powerpack

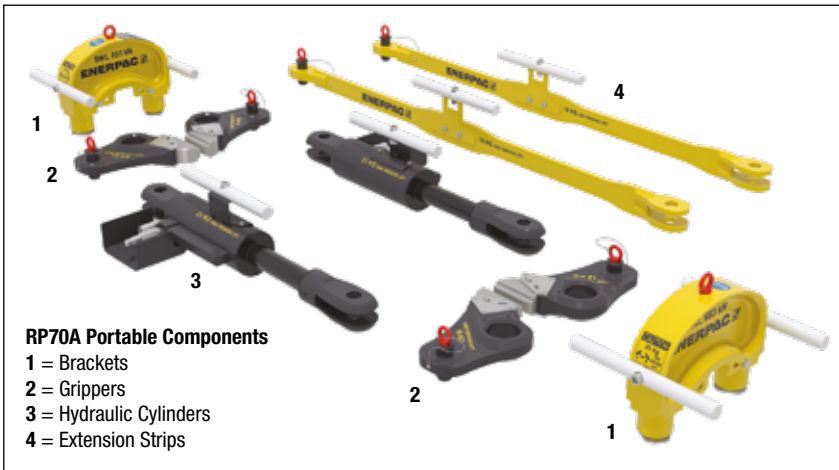


RP70A Rail Stressor

The RP70A Hydraulic Rail Stressor is used to pull together heavy railroad tracks for stressing and thermite welding.

In the rail industry ergonomic managers specify that tools over 29 kg should be modular and be able to be manually assembled/transported on site.

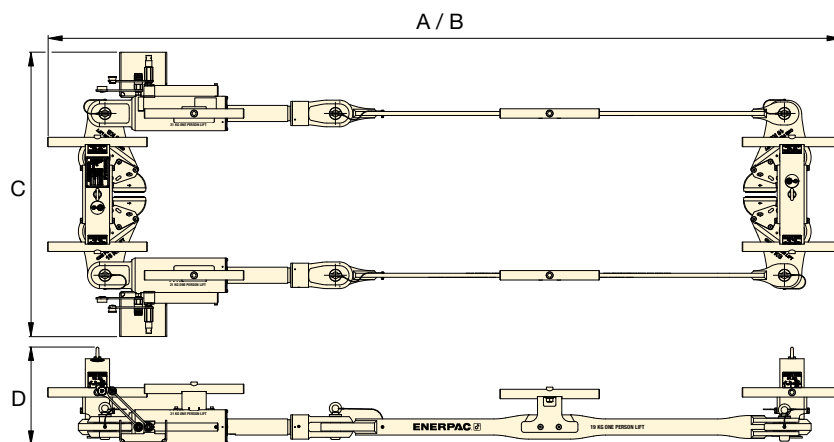
The RP70A can be used with the battery powered pump and optional transportation and storage frame for easy mobilisation/demobilisation. The stressor is interchangeable with other type of powerpacks. The RP70A adjusts the gap between rail ends for rail stressing, rail welding, repairing rail failures and servicing insulators.



▲ Modular 70 ton stressor and holds the rail in neutral length during the welding process.



▲ Storage and transport frame RP70ATF together with stressor, pump and possibility to safely store the hose set in a lockable storage space under the frame.



Capacity ton (kN)		Stroke (mm)	Model Number	Dimensions (mm)				Weight (kg)
Pull	Push			A	B	C	D	
70 (683)	35 (440)	205	RP70A	2950	3155	1056	361	205

A = Closed length.
 B = Extended length

RP Series



Rated Pulling/Pushing Capacity:

70 / 35 ton

Stroke:

205 mm

Maximum Operating Pressure:

580 bar



Hydraulic Hoses

Use Enerpac hose model number H9210-RS 3,0 metres hydraulic hoses to ensure the integrity of your Rail Stressor system.



Battery Powered Stressing Pumps

- Cordless, zero emission pump
- 82V 4Ah Lithium-ion battery
- Roll cage and pressure gauge
- 3-stage: 0,52 l/min at 580 bar
- 4,0 litres useable oil capacity
- Pump weight 34,8 kg (excluding battery)
- Reduced Noise Level 80 dBA max
- Advanced brushless 1,0 kW motor.

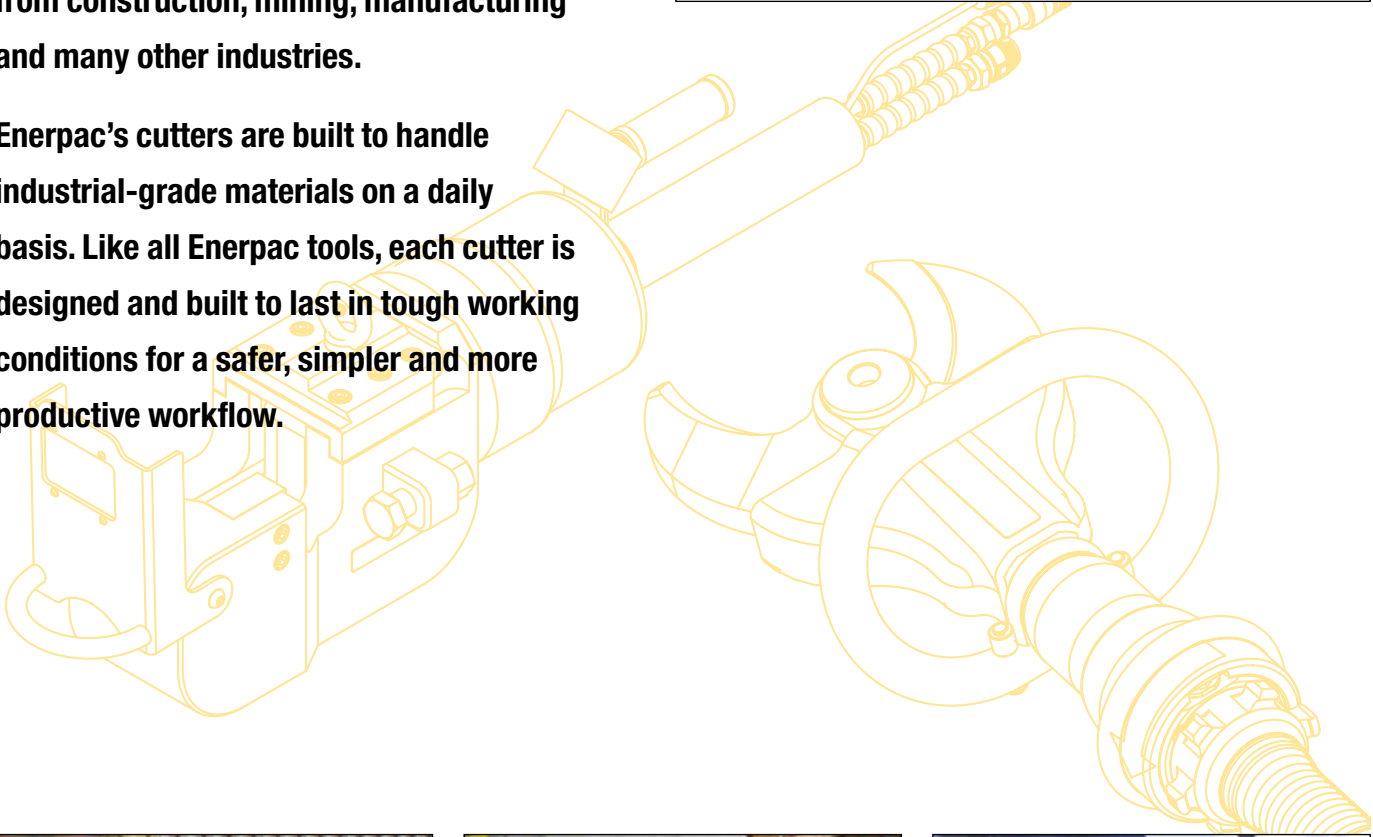
Model Number	Battery Charger (Volts)	Maximum Pressure (bar)
ZC3404JE-RS	230	700
ZC3404JB-RS	115	700


World-Class Cutters

When you need to make cuts through heavy-duty bar, chain, cable and similar materials, look no further than Enerpac's broad range of cutters.

An extensive line-up of hydraulic, electric and manual cutters provides a quick, safe and cost-effective solution for technicians from construction, mining, manufacturing and many other industries.

Enerpac's cutters are built to handle industrial-grade materials on a daily basis. Like all Enerpac tools, each cutter is designed and built to last in tough working conditions for a safer, simpler and more productive workflow.



Cutter Type		Maximum Tool Capacity *	Series		Power Source	Page
Bar Cutters		52 mm (max. material cutting diameter)	EBH EBE EBC		Hydraulic, Electric & Cordless	202 ▶
Decommissioning Cutters		170 mm (max. blade aperture)	EDCH		Hydraulic	206 ▶
Flat Bar Cutters		70 x 15 mm (max. material cutting Height x Width)	EFBE		Electric	207 ▶
Chain Cutters		32 mm (max. link cutting diameter)	ECCE		Electric	208 ▶
Wire Rope and Cable Cutters		180 mm (max. material cutting diameter)	EWCH EWCE		Hydraulic & Electric	210 ▶
Cutter / Spreader Combination Tools		300 mm (max. blade aperture)	ECSE		Electric	213 ▶
Hydraulic Cutterheads		101 mm (max. material cutting diameter)	WHC WHR STC		Hydraulic	214 ▶
Self-Contained Hydraulic Cutters		85 mm (max. material cutting diameter)	WMC		Manual	215 ▶
ZE-Series Pumps and Accessories		1,1 - 5,6 kW	EBH EWCH		Electric	216 ▶
ZC, ZE-Series Pumps and Accessories		1,0 - 1,1 - 5,6 kW	EDCH		Cordless & Electric	217 ▶

* Actual cutting capacities may vary depending on material being cut.

▼ Shown from left to right: EBC20E, EBH30 and EBE22E



Your Fast, Safe and Simple Solution for Cutting Metal Bar



Internal Mechanics

EBH-Series: Cylinder is driven by an external Enerpac pump.

EBC and EBE-Series: Cylinder are driven by a radial pump powered by an electric motor.



Typical Bar Cutting Applications

- Commercial and residential construction
- Concrete and masonry
- Metal fabrication
- Industrial manufacturing

Productivity

- A broad range of hydraulic and electric tools quickly and easily cut through heavy-duty bar
- Highly durable, long-lasting blades outlast angle grinder or saw blades.

Safety

- Controlled cutting process enhances user safety compared with use of cut-off blades
- Minimal spark risk compared to torching, grinding and sawing methods
- Cutters produce minimal vibration, helping prevent HAVS (Hand Arm Vibration Syndrome).

▼ Enerpac's bar cutters are built to handle tough cutting applications.



EBH-Series, Hydraulic Bar Cutters



EBH-Series Hydraulic Bar Cutters

EBH-Series Hydraulic Bar Cutters are driven by a specialized external hydraulic pump for optimal power and a higher duty cycle compared with other cutter types.

These cutters are ideal for use in production or manufacturing facilities with demanding, high-volume cutting applications.

- ① Highly durable blades maintain effectiveness throughout rigorous use.
- ② Safety guard helps protect hands from injury.
- ③ Heavy-duty cutting head provides a longer operational life.
- ④ Lifting handle enables easier positioning and transport.
- ⑤ Double-acting cylinder with advance and retract buttons improves control and reduces jamming
- ⑥ External hydraulic pump helps keep the tool cool, improving operational time (pump and hose sold separately).



EBH Series



Maximum Material Hardness:

HRC 43

Maximum Material Diameter:

30 - 35 - 52 mm

Maximum Operating Pressure:

700 bar



Electric Pumps and Accessories

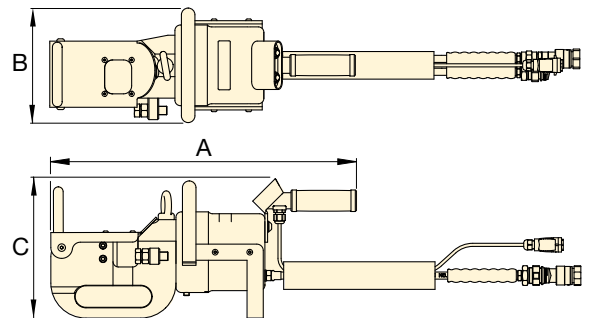
The EBH-Series Hydraulic Cutters are designed to work with specialized ZE4 and ZE6-Series pumps. Pump models vary by voltage type. Pump and hoses are sold separately. Both are required for the system to function. See page 208 for complete details on required pump and accessories

Page: **216**



Optional Gauge Kit GKHC

Optional gauge and accessories can be used to monitor pressure in the hydraulic system. Enerpac recommends **GKHC Gauge Kit** for use with Enerpac hydraulic cutters.



Maximum Material Diameter * (mm)	Model Number	Maximum Material Tensile Strength (daN/mm ²)	Maximum Material Hardness * (HRC)	Maximum Cutting Force (kN)	Maximum Hydraulic Operating Pressure (bar)	Dimensions (mm)			Replacement Blade Kit Model Number	
						A	B	C		
30	EBH30	60	43	445	700	480	183	221	21	EBH3001K
35	EBH35	62	43	606	700	566	213	259	48	EBH3501K
52	EBH52	50	43	1078	700	765	264	311	136	EBH5201K

* Maximum material properties indicated refer to the material to be cut.



EBE-Series, Electric Bar Cutters

The versatile EBE-Series Electric Bar Cutters quickly cut through heavy duty bar up to 26 mm in diameter without the need for an external hydraulic pump.

Their compact size and low weight enable them to be easily transported and used wherever an external power source is available.

- ① Highly durable blades maintain effectiveness throughout rigorous use.
- ② Safety guard helps protect hands from injury.
- ③ Heavy-duty cutting head provides a longer operational life.
- ④ Lifting handle enables easy positioning and transport.
- ⑤ Piston-release mechanism allows blade to be reset, reducing jamming and providing a controlled cutting process.



EBE Series



Maximum Material Hardness:

HRc 43

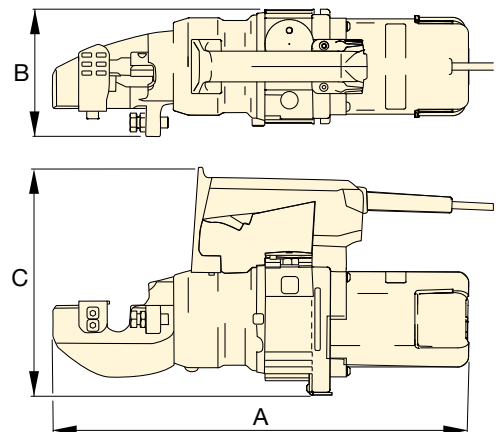
Maximum Material Diameter:

22 - 26 mm

Voltage*:

120 and 230 Volt

* ETL certification applies to 120 Volt tools only.



Voltage: (Model Number ending with suffix)

B = 120V, 60 Hz (with American-style NEMA 1-15 plug)

E = 230V, 50 Hz (with European-style SCHUKO plug)

Maximum Material Diameter ¹⁾ (mm)	Power Specifications				Model Number	Maximum Material Tensile Strength (daN/mm ²)	Maximum Material Hardness ¹⁾ (HRc)	Maximum Cutting Force (kN)	Dimensions (mm)			Cord Length (m)	Replacement Blade Kit Model Number	
	Volt	Hz	Amps	kW					A	B	C			
22	120	60	11	1,3	EBE22B	65	43	223	460	140	249	1,8	13,2	EBE2201K
22	230	50	6,8	1,4	EBE22E	65	43	223	460	140	249	3,0	13,2	EBE2201K
26	120	60	11	1,3	EBE26B	65	43	329	468	140	259	1,8	15,9	EBE2601K
26	230	50	6,8	1,4	EBE26E	65	43	329	468	140	259	3,0	15,9	EBE2601K

¹⁾ Maximum material properties indicated refer to the material to be cut.

EBC-Series, Cordless Bar Cutters

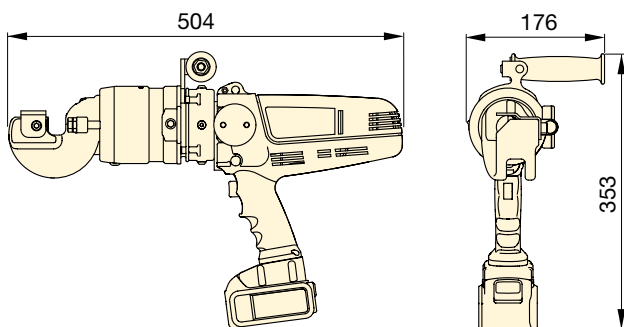


Cordless Bar Cutters

The highly portable EBC-Series Cordless Bar Cutters quickly and easily slice through up to number 6 rebar, or similar metal bar up to 20 mm in diameter.

A powerful 18V Lithium-ion battery provides mobility and long lasting performance, making these tools the perfect go-to solution for the jobsite, including remote locations, or anywhere an external power source is not available.

- ① Highly durable blades maintain effectiveness throughout rigorous use.
- ② Safety guard helps protect hands from injury.
- ③ Highly durable cutting head can be rotated 360 degrees to aid in the positioning of the blades on the application.
- ④ Lifting handle enables easy positioning and transport.
- ⑤ Piston-release mechanism allows blade to be reset, providing a controlled cutting process and reducing jamming.
- ⑥ Powerful 18V battery provides high performance and complete mobility.



EBC Series



Maximum Material Hardness:

HRc 43

Maximum Material Diameter:

20 mm

Battery:

12 and 18 Volt

* ETL certification applies to 120 Volt tools only.



Batteries and Chargers

EBC-Series Cutters come standard with two DeWALT® 18V-5Ah lithium-ion batteries and one DeWALT® 12V or 18V charger. Additional batteries and chargers are sold separately.

EBC-Series Cutters work with DeWALT® 18V XR batteries. DeWALT® is a registered trademark of DeWALT Industrial Tool Co., which has not manufactured, licensed, approved, or endorsed this cutter product.

For Cutter Model Nr.	DeWALT® Lithium-ion Battery	Li-ion Battery Charger 12V and 18V
EBC20B	B205	BC1220B
EBC20E	B185	BC1220E

Voltage: (Model Number ending with suffix)

B = 120V, 60 Hz (with American-style NEMA 1-15 plug)

E = 230V, 50 Hz (with European-style SCHUKO plug)

Maximum Material Diameter ¹⁾ (mm)	Power Specifications			Model Number ²⁾	Maximum Material Tensile Strength ¹⁾ (daN/mm ²)	Maximum Material Hardness ¹⁾ (HRc)	Maximum Cutting Force (kN)	Replacement Blade Kit Model Number
	Battery Input Voltage (V)	Amps	kW					
20	18 - 20	46	0,83	EBC20B	65	43	190	EBC2001K
20	18 - 20	46	0,83	EBC20E	65	43	190	EBC2001K

¹⁾ Maximum material properties indicated refer to the material to be cut.

²⁾ To order an EBC-Series Cutter without batteries or a charger, remove the "B" or "E" from the Model Number, e.g. "EBC20".

▼ EDCH130, Decommissioning Cutter



Productivity

- Powerful jaws and an exceptionally large blade aperture enable use on a large variety of applications including metal tubes, communication cables, profiles and similar materials *
- Multiple pump options provide power, speed and mobility for all your applications.

Safety

- Minimal spark risk compared with torching, grinding and sawing methods
- Cutters produce minimal vibration, helping prevent HAVS (Hand Arm Vibration Syndrome).



- ① Durable blades maintain efficiency throughout rigorous use
- ② Double-acting cylinder improves control and reduces jamming
- ③ Control knob immediately stops the tool when released, improving operator safety
- ④ External hydraulic pump helps keep tool cooler and working longer (pump and hose sold separately).

EDCH Series



Maximum Material Hardness:

HRC 41

Maximum Blade Aperture:

130 - 145 - 170 mm

Maximum Operating Pressure:

700 bar



Electric Pumps and Accessories

The EDCH-Series Hydraulic Cutters are designed to work with specialized ZC3, ZE4 and ZE6-Series electric pumps. Pump models vary by voltage type. Pump and hose are all sold separately, and all are required for the system to function. See page 217 for complete details on required pumps and accessories.

Page: **217**



* IMPORTANT

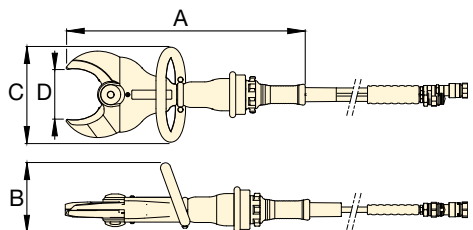
Do not use to cut wire rope. Use instead the EWCH-Series wire and rope cutter.

Page: **211**



Optional Gauge Kit GKHC

Optional gauge and accessories can be used to monitor pressure in the hydraulic system. Enerpac recommends **GKHC Gauge Kit** for use with Enerpac hydraulic cutters.



Maximum Blade Aperture * (mm)	Model Number	Maximum Material Tensile Strength (daN/mm ²)	Maximum Material Hardness * (HRC)	Maximum Operating Pressure (bar)	Dimensions (mm)				Replacement Blade Kit Model Number	
					A	B	C	D		
130	EDCH130	65	41	700	589	170	234	130	11,5	EDCH13001K
145	EDCH145	65	41	700	687	206	246	145	16,9	EDCH14501K
170	EDCH170	65	41	700	733	172	249	170	24,2	EDCH17001K

* Maximum material properties indicated refer to the material to be cut.
Do not use to cut wire rope. Use instead the EWCH-Series wire and rope cutter.

Electric Flat Bar Cutters



EFBE-Series Electric Flat Bar Cutters

EFBE-Series Electric Flat Bar Cutters enhance workplace safety by replacing unsafe cutting methods with a precise, controlled cutting solution. Unlike standard bar cutters, the deep cutting head design accommodates metal bar up to 70 mm (2¾ inch) high and over 15 mm (0.59 inch) thick.

A piston release mechanism allows the blade to be stopped and reset at any time, providing the operator with a high degree of cutting precision and control. EFBE-Series Cutters are perfect for use in industrial manufacturing facilities as well as steel and metal fabrication shops.

- ① Highly durable blades cut through flat bar, maintaining effectiveness throughout rigorous use
- ② Heavy-duty cutting head provides a longer operational life
- ③ Robust handle enables easy positioning and transport
- ④ Piston-release mechanism allows blade to be retracted, providing a controlled cutting process and reducing jamming



Voltage: (Model Number ending with suffix)

B = 120V, 60 Hz (with American-style NEMA 1-15 plug)

E = 230V, 50 Hz (with European-style SCHUKO plug)

EFBE Series



Maximum Material Hardness:

HRc 33

Maximum Material Height x Width:

50 x 17 mm / 70 x 15 mm

Voltage*:

120 and 230 Volt

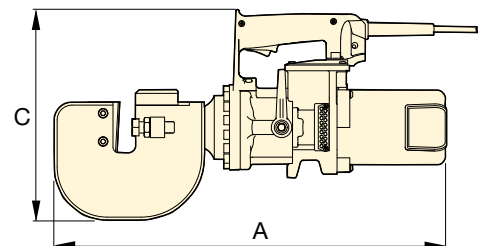
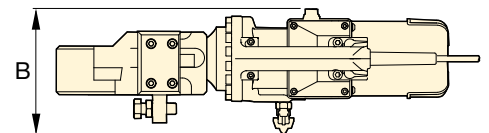
* ETL certification applies to 120 Volt tools only.



Replacement Blade Kits

To order replacement parts use one of the model numbers shown below.

For Cutter Model Number	Blade Kit Model Number
EFBE5017B	EFBE501701K
EFBE5017E	
EFBE7015B	EFBE701501K
EFBE7015E	



Maximum Material Dimensions ¹⁾ (mm)		Power Specifications				Model Number	Maximum Material Tensile Strength ¹⁾ (daN/mm ²)	Maximum Material Hardness ¹⁾ (HRc)	Maximum Cutting Force (kN)	Dimensions (mm)			Cord Length (m)	Weight (kg)
Height	Width	Volt	Hz	Amps	kW					A	B	C		
50	17	120	60	11	1,3	EFBE5017B	45	33	265	483	175	272	1,8	21
50	17	230	50	6,8	1,4	EFBE5017E	45	33	265	483	175	272	3,0	21
70	15	120	60	11	1,3	EFBE7015B	45	33	265	555	175	298	1,8	30
70	15	230	50	6,8	1,4	EFBE7015E	45	33	265	555	175	298	3,0	30

¹⁾ Maximum material properties indicated refer to the material to be cut.

▼ ECCE32E Electric Chain Cutter



Your Simple Solution for Cutting High-Strength Industrial Chain



Internal Mechanics

ECCE-Series: Cylinder is driven by a radial pump powered by an electric motor.



Typical Chain Cutting Applications

- Chain manufacturing
- Mining
- Rigging / material handling for transport
- Oil and gas
- Marine

Productivity

- Quickly cut through heavy-duty chain links with minimal effort
- Highly durable blades outlast angle grinder or saw blades.

Safety

- Controlled cutting process behind a protective shield enhances safety
- Precisely cut only selected link, helping prevent damage to adjacent links and weakening of chain
- Minimal spark risk compared to torching, grinding and sawing methods
- Cutters produce minimal vibration, helping prevent HAVS (Hand Arm Vibration Syndrome).



◀ Cut through chain links with ease using Enerpac's chain cutters.

ECCE-Series, Electric Chain Cutters

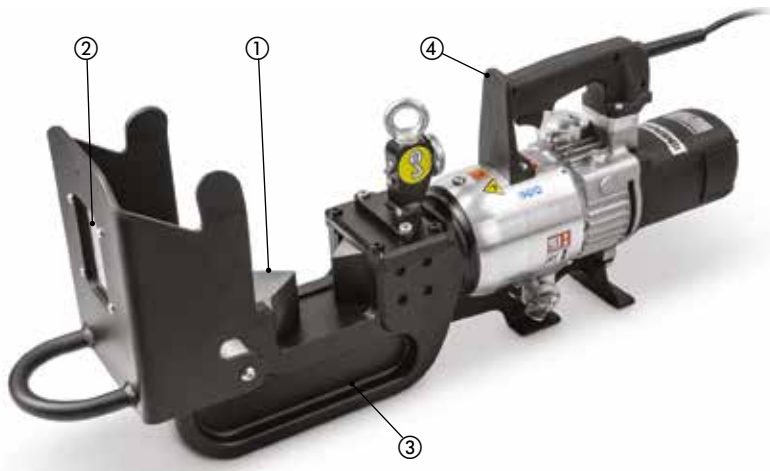


ECCE-Series Electric Chain Cutters

ECCE-Series Electric Chain Cutters are ideal for applications where safety is paramount. Unlike other cutting methods, Enerpac's chain cutters precisely cut selected chain links behind an enclosed, transparent safety guard.

This not only protects the operator's hands, it also helps prevent damage to adjacent links, which often results from using alternative cutting methods like torches or cut-off tools.

- ① Highly durable blades maintain effectiveness throughout rigorous use.
- ② Transparent safety guard protects hands and allows continuous monitoring for better management of cutting process.
- ③ Heavy-duty cutting head provides a longer operational life.
- ④ Lifting handle and eyebolt enable easy positioning and transport.



ECCE Series



Maximum Material Hardness:

HRc 46

Maximum Material Diameter:

25 - 32 mm

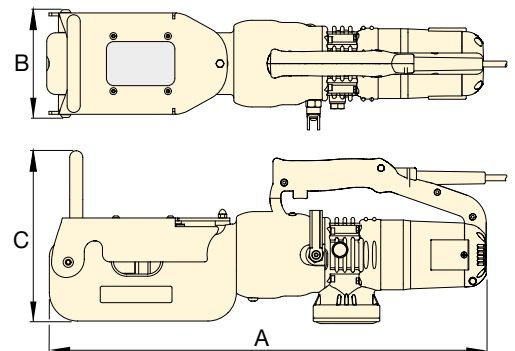
Maximum Grade of Chain:

100

Voltage *:

120 and 230 V

* ETL certification applies to 120 Volt tools only.



Voltage: (Model Number ending with suffix)

B = 120V, 60 Hz (with American-style NEMA 1-15 plug)

E = 230V, 50 Hz (with European-style SCHUKO plug)

Grade ¹⁾ and Maximum Material Diameter ²⁾ (mm)			Power Specifications				Model Number	Maximum Material Hardness ¹⁾ (HRc)	Maximum Cutting Force (kN)	Dimensions (mm)			Cord Length (m)	Weight (kg)	Replacement Blade Kit Model Number
Grade 70	Grade 80	Grade 100	Volt	Hz	Amps	kW				A	B	C			
25	25	13	120	60	10	1,2	ECCE26B	46	312	600	154	235	1,8	25	ECCE2601K
25	25	13	230	50	5,3	1,1	ECCE26E	46	312	600	154	235	3,0	25	ECCE2601K
32	25	19	120	60	11	1,3	ECCE32B	46	471	700	192	321	1,8	48	ECCE3201K
32	25	19	230	50	6,8	1,4	ECCE32E	46	471	700	192	321	3,0	48	ECCE3201K

¹⁾ Cutting larger chains or those of a grade higher than those recommended will result in increased wear, and may damage the tool.

²⁾ All links over 1/2" (12,7 mm) must be cut in two passes, with each pass cutting one side of the link.

▼ Shown from left to right: EWCH90 and EWCE55E



The Quick and Clean Way to Cut Cable and Wire Rope



Internal Mechanics

EWCH-Series: Cylinder is driven by an external Enerpac hydraulic pump.

EWCE-Series: Cylinder is driven by a radial pump powered by an electric motor.

Productivity

- A broad range of hydraulic and electric tools quickly and easily cut through cable and wire rope.

Safety

- Controlled cutting process enhances operator safety
- Minimal spark risk compared with torching, grinding and sawing methods
- Cutters produce minimal vibration, helping prevent HAVS (Hand Arm Vibration Syndrome).



Typical Wire and Cable Cutting Applications

- Telecommunications
- Electrical installation and maintenance
- Power generation and transmission
- Shipbuilding

▼ Guillotine-style blades make quick work of electrical cables and rope.



EWCH-Series, Hydraulic Wire and Cable Cutters



EWCH-Series Hydraulic Wire and Cable Cutters

EWCH-Series Hydraulic Wire and Cable Cutters are ideal for use in production facilities where demanding, high volume cutting applications are often encountered.

Each tool is driven by a specialized external hydraulic pump, which provides greater cutting force and allows for higher duty cycles compared with other cutter types.

- ① Guillotine-style blades maintain effectiveness throughout rigorous use.
- ② Cutting head can be opened and closed to help position material to be cut.
- ③ Eyebolt facilitates easy lifting.
- ④ Double-acting cylinder with advance and retract buttons improves control and reduces jamming.
- ⑤ External hydraulic pump helps keep tool cooler and working longer (pump and hose are sold separately).



EWCH Series



Maximum Material Hardness:

HRc 43

Maximum Material Diameter:

90 - 140 - 180 mm

Maximum Operating Pressure:

700 bar



Electric Pumps and Accessories

The EWCH-Series Hydraulic Cutters are designed to work with specialized ZE6-Series electric pumps. Pump models

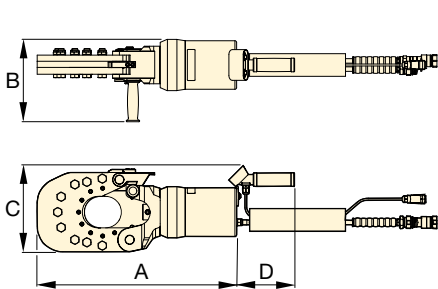
vary by voltage type. Pump and hoses are sold separately. Both are required for the system to function. See page 216 for complete details on required pump and accessories

Page: **216**

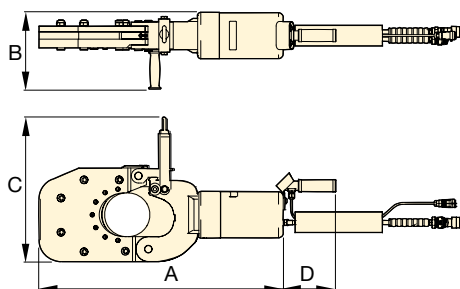


Optional Gauge Kit GKHC

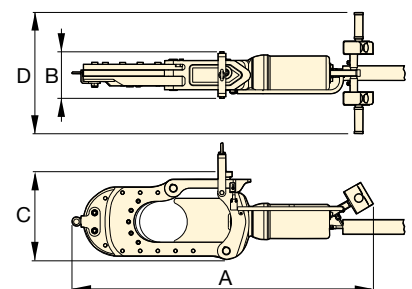
Optional gauge and accessories can be used to monitor pressure in the hydraulic system. Enerpac recommends **GKHC Gauge Kit** for use with Enerpac hydraulic cutters.



EWCH90



EWCH140



EWCH180

Maximum Material Diameter * (mm)	Model Number	Maximum Material Tensile Strength (daN/mm ²)	Maximum Material Hardness * (HRc)	Maximum Cutting Force (kN)	Maximum Hydraulic Operating Pressure (bar)	Dimensions (mm)				Replacement Blade Kit Model Number	
						A	B	C	D		
90	EWCH90	65	43	550	700	582	282	251	169	54	EWCH9001K
140	EWCH140	65	43	550	700	782	246	309	169	90	EWCH14001K
180	EWCH180	65	43	774	700	1364	211	401	551	150	EWCH18001K

* Maximum material properties indicated refer to the material to be cut.

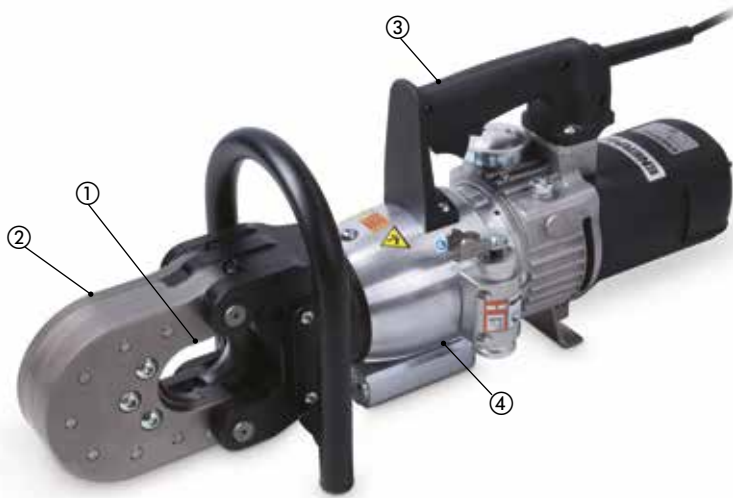


EWCE-Series Electric Wire and Cable Cutters

EWCE-Series Electric Wire and Cable Cutters combine the efficiency and safety of their hydraulic counterparts with the greater portability of electric tools.

Their lighter weight allows for easier carrying and positioning. Available in 120V and 230V versions.

- ① Durable, guillotine-style blades maintain effectiveness throughout rigorous use.
- ② Cutting head opens wide for easy positioning of wire or cable.
- ③ Robust handles enable easy positioning and transport.
- ④ Double-acting cylinder with directional control improves handling and reduces jamming.



◀ Cut through wire rope and cables with ease.

EWCE Series



Maximum Material Hardness:

HRc 48

Maximum Material Diameter:

42 - 55 mm

Voltage*:

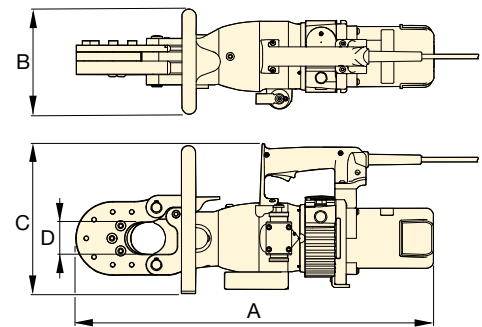
120 and 230 V

* ETL certification applies to 120 Volt tools only.

Voltage: (Model Number ending with suffix)

B = 120V, 60 Hz (with American-style NEMA 1-15 plug)

E = 230V, 50 Hz (with European-style SCHUKO plug)



Maximum Material Diameter* (mm)		Power Specifications				Model Number	Maximum Material Hardness* (HRc)	Maximum Cutting Force (kN)	Dimensions (mm)				Cord Length (m)	Replacement Blade Kit Model Number	
Electric Cable	Wire Rope	Volt	Hz	Amps	kW				A	B	C	D			
55	42	120	60	11	1,3	EWCE55B	48	380	627	183	264	56	1,8	25	EWCE5501K
55	42	230	50	6,8	1,4	EWCE55E	48	380	627	183	264	56	3,0	25	EWCE5501K

* Maximum material properties indicated refer to the material to be cut.

ECS-Series, Cutter / Spreader Combination Tools

▼ ECSE300E



ECSE Series



Maximum Material Hardness:

HRc 41

Maximum Blade Aperture:

300 mm

Voltage*:

120 and 230 V

* ETL certification applies to 120 Volt tools only.



Internal Mechanics

ECSE-Series: Cylinder is driven by a radial pump powered by an electric motor.



Typical Chain Cutting Applications

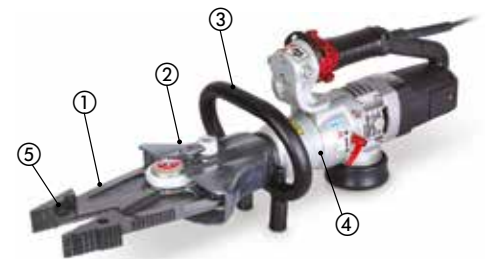
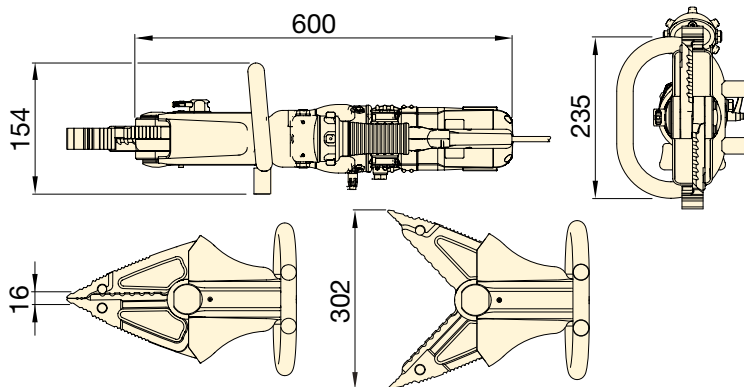
- Industrial manufacturing
- Recycling
- Demolition

Productivity

- Blades easily cut through metal profiles, pipes, rods and other obstructions
- Wedges on tips of blades provide powerful spreading force

Safety

- Controlled cutting process creates minimal spark risk compared with torching, grinding and sawing methods



- ① Highly durable blades grip and cut through metal obstructions with ease
- ② Cutting head can be rotated 180 degrees in each direction for easier access to the application
- ③ Robust handle enables easy positioning and transport
- ④ Double-acting cylinder improves control and reduces jamming
- ⑤ Wedges provide powerful spreading force

Voltage: (Model Number ending with suffix)

B = 120V, 60 Hz (with American-style NEMA 1-15 plug)

E = 230V, 50 Hz (with European-style SCHUKO plug)

Maximum Blade Aperture (mm)	Power Specifications				Model Number	Maximum Material Tensile Strength ¹⁾ (daN/mm ²)	Maximum Material Hardness ¹⁾ (HRc)	Maximum Spreading Force ²⁾ (kN)	Cord Length (m)	Replacement Jaws Kit Model Number (kg)	Replacement Jaws Kit Model Number
	Volt	Hz	Amps	kW							
300	120	60	10,0	1,2	ECSE300B	65	41	46	1,8	15	ECSE30001K
300	230	50	5,3	1,1	ECSE300E	65	41	46	3,0	15	ECSE30001K

¹⁾ Maximum material properties indicated refer to the material to be cut.

²⁾ 25 mm from jaw tips with jaws closed.

▼ Shown from left to right: WHC4000, WHC750

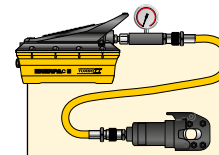


WHC, WHR, STC Series

Capacity:
3 - 20 ton

Cutting Capacity:
Ø 13 - 101 mm

Maximum Operating Pressure:
700 bar



Tool-Pump Sets

Cutterheads marked with an * are available as sets (pump, tool, gauge, couplers and hose) for your ordering convenience.

Cutterhead Model Nr.	Pump Model Nr.	Set Model Number *
WHC750	P392	STC750H
WHC750	P392FP	STC750FP
WHC750	PATG1102N	STC750A
WHC1250	P392	STC1250H
WHC1250	P392FP	STC1250FP
WHC1250	PATG1102N	STC1250A

* H = Hand Pump, FP = Foot Pump, A = Air Pump

- Single-acting, spring return on all models, except WHR1250
- Guillotine action for smooth cutting operation
- Lifting handles on larger models for easy transport
- Carrying bag included for easy carrying and tool protection
- Ideal for use with most Enerpac pumps featuring 3-way valve or dump valve and 700 bar pressure rating (except WHR1250, which requires 4-way valve)
- CR400 coupler and dust cap included on all models.

Steel rope is easily cut with the smooth guillotine action of an Enerpac cutterhead. ▶



▼ Selection Chart Maximum Cutting Capacities (Ø in mm)

Cutter Head Operation	Capacity ton	Model Number	Oil Capacity (cm³)	Length (mm)	Steel Wire Rope, Hemp-core or IWRC 6x7 6x12 6x19	Round Bar				Wire Strand				Cable		Replacement Blades (kg)	
						Copper Wire or Bar	Aluminum Wire or Bar	Soft Steel Bolts	Reinforcing Bar	Bare Copper Wire Strands	Bare Aluminum Wire Strands	ACSR	Guy Steel Wire Strands	Telephone Cable CPP	Underground Cable (Power)		
Single-Acting	4	WHC750*	19,7	127	16	19	19	19	13	19	19	19	16	☆	☆	3,2	WCB750
	20	WHC1250*	134,4	279	31	31	31	31	25	31	31	31	22	☆	☆	11,3	WCB1250
	13	WHC2000	119,6	381	25	31	31	22	☆	51	51	51	19	☆	☆	10,4	WCB2000
	3	WHC3380	65,5	482	☆	☆	☆	☆	☆	76	76	☆	☆	85	85	9,1	WCB3380
	8	WHC4000	137,7	609	☆	☆	☆	☆	☆	89	89	☆	☆	101	101	14,5	WCB4000
Dbl.-Act.	20	WHR1250	122,9	419	31	31	31	31	25	31	31	31	22	☆	☆	11,8	WCB1250

* Available in sets with P392 Hand Pump, P392FP Foot Pump or PATG1102N Turbo Air Pump.

☆ Will not cut designated material.

WMC-Series, Self-Contained Hydraulic Cutters

▼ Shown from left to right: WMC2000, WMC750



WMC Series

Capacity:

3 - 20 ton

Cutting Capacity:

∅ 14 - 85 mm



Replacement Blades

60-62 HRC hardened replacement blades.

For Cutter Model Number	Order Blades Model Number
WMC580	WCB750
WMC750	WCB750
WMC1000	WCB1000
WMC1250	WCB1250
WMC1580	WCB1580
WMC2000	WCB2000
WMC 3380	WCB3380

- Rotating heads for operator convenience
- Guillotine action for smooth cutting operation
- Carrying bag included for easy carrying and tool protection
- Velcro straps to secure handles on larger models for easy carry
- Spring return for easy operation
- Light weight self-contained tool, can be used anywhere.



CAUTION !:

A "☆" in the charts on these pages means that this hydraulic cutter is not designed to cut this size or type of material. Any attempt to do so may result in personal injury and damage to the unit and will void the warranty.

▼ Selection Chart

Maximum Cutting Capacities (∅ in mm)

Capacity ton	Model Number	Length (mm)	Steel Wire Rope, Hempcore or IWRC 6x7 6x12 6x19	Round Bar				Wire Strand					Cable		Weight (kg)
				Copper Wire or Bar	Aluminum Wire or Bar	Soft Steel Bolts	Reinforcing Bar	Bare Copper Wire Strands	Bare Aluminum Wire Strands	ACSR Wire Strands	Guy Steel Wire Strands	Guy Steel Wire Strands	Telephone Cable CPP	Underground Cable (Power)	
4	WMC580	381	16	16	16	16	10	16	16	16	14	14	☆	☆	3,6
4	WMC750	381	19	19	19	17	13 **	19	19	19	14	14	☆	☆	3,6
20	WMC1000 *	679	☆	19	19	19	19	☆	☆	☆	☆	☆	☆	☆	11,3
20	WMC1250	679	31	31	31	31	22	31	31	31	22	22	☆	☆	10,4
6	WMC1580	558	19	19	19	19	☆	38	38	38	16	16	☆	☆	6,8
13	WMC2000	628	25	31	31	22	☆	51	51	51	19	19	☆	☆	10,9
3	WMC3380	660	☆	☆	☆	☆	☆	76	76	☆	☆	☆	85	85	10,0

* Cuts 12 mm alloy chain grade 70 (type G7 transport or tie-down) or grade 80 (for overhead lifting applications).

** Low Alloy.

☆ Will not cut designated material.