Enerpac Hydraulic Tools

Enerpac offers an extensive range of dedicated tools for a variety of specific and flexible applications. Whatever your requirement... cutting, punching, spreading or bending... you can be sure that Enerpac has the correct tool to do your job safely and efficiently.

Featuring maintenance sets, machine lifts and load skates, as well as hole punches, pipe benders and cable cutters, Enerpac has the tools to ensure that even your most demanding applications can be undertaken with the highest degree of safety and accuracy.





Hydraulic System Set-up

Check out our "Yellow Pages" section for help on system set-ups and valving configurations.



Bolting Tools

More Enerpac Tools can be found in the Bolting Tools section of this catalog.



Tool Section Overview

Capacity (tons)	Tool Type and Functions	Series		Page
2.5 - 12.5	Maintenance Sets	MS	逐	184
35 - 50	Punch, Punch Sets	SP MSP STP		188
16	Lifting Wedge	LW		192
8.5 - 20	Hydraulic Machine Lifts	SOH		193
1-80	Heavy-Duty Load Skates	ER ES ELP	ECAN,	194
.67 - 16 (cubic feet)	Industrial Storage Cases	СМ	1	196
.75 - 1.00	Hydraulic Wedgie Spread Cylinders	A WR	2	197
3 - 20	Hydraulic Cutterheads Cutterheads Pump Sets	WHC WHR STC		198
3 - 20	Self-Contained Hydraulic Cutters	WMC		199
Nominal Bore 1/2" - 4 inches	Pipe Bender Sets	STB		200



▼ Shown: **MS2-10**



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

The Universal Hydraulic Tool Box

Maintenance Sets

Enerpac Maintenance sets are a complete assortment of accessories matched to lic powered tools. Using these

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 tons.



More Information

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

Page:

106



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

▼ QUICK SELECTION CHART

Capacity using attachments*	Set Model Number						Number of Attachment Components	Weight (lbs)
2.5	MS2-4	P-142	HC-7206	RC-55	GP-10S	GA-4	33	59
2.5	MSFP-5**	P-142	HC-7206	RC-55	G2535L	GA-3	24	44
5	MSFP-10	P-392	HC-7206	RC-106	G2535L	GA-3	23	105
5	MS2-10	P-392	HC-7206	RC-106	GP-10S	GA-2	35	140
12.5	MS2-20	P-392	HC-7206	RC-256	GP-10S	GA-2	13	210
5-12.5	MS2-1020	P-392	HC-7206	RC-102, -106, -256	GP-10S	GA-2	53	350

^{*} If no attachments are being used, capacity is double these values. Maximum operating pressure is then 10,000 psi.

^{**} This set also includes the FZ-1055 Adaptor.



CAUTION!

When cylinders are used with maintenance set

attachments or components, the maximum system pressure must be limited to half the rated pressure (5,000 psi).



unsafe conditions.

WARNING!

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





Capacity (using attachments):

2.5-12.5 tons

Max. Operating Pressure (using attachments):

5,000 psi

▼ 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 (5,000 psi).

50%	be l		r componer alf the rated		5,000 psi).	em press	ure must
					No	nte: All dime	nsions in inches.
Set Mode	l No.	MS2-4	MSFP-5	MSFP-10	MS2-10	MS2-20	MS2-1020
Base/Colla	ar/			Capacity Usir	ng Attachment	S	
Plunger Attachmer	nts	2.5 tons	2.5 tons	5.0 tons	5.0 tons	12.5 tons	5-12.5 tons
Cylinder S	Series	RC-5	RC-5	RC-10	RC-10	RC-25	RC-10, RC-25
1		A-23	A-23	A-13	A-13	A-28	A-13 / A-28
2		A-25	A-25	A-21	A-21	A-27	A-21 / A-27
3		A-1034	A-1034	A-20	A-20	A-595	A-20 / A-595
4		MZ-4010	MZ-4010	A-14	A-14	A-243	A-14 / A-243
5		A-545	A-545	A-10	A-10	_	A-10(2x)
6		-	_	-	A-8	_	A-8
7		A-530	A-530	A-6	A-6	-	A-6
8		MZ-4011	_	_	A-192	-	A-192
9		-	-	-	A-305	-	A-305
10		A-531	A-531	A-18	A-18	_	A-18
11		_	_	_	A-185	_	A-185
12		A-532	A-532	A-15	A-15	-	A-15
13		_	-	-	-	A-607	A-607
14		A-629	A-629	A-129	A-129	_	A-129
15	ما ۸ الم مام	A-539	A-539	A-128	A-128	- 10 E tono	A-128 5-12.5 tons
Chains and ments for		2.5 tons	2.5 tons	5.0 tons	5.0 tons	12.5 tons	5-12.5 tons
Cylinder S	Series	RC-5	RC-5	RC-10	RC-10	RC-25	RC-10, RC-25
16		A-558	_	-	A-132	A-238	A-132, -238
17		_	_	_	A-5 (2x)	_	A-5(2x)
18		A-557(2x)	_	_	A-141(2x)	A-218(2x)	A-141(2x) /
							A-218(2x)
Tubes, Co and Adapt		2.5 tons	2.5 tons	5.0 tons	5.0 tons	12.5 tons	5-12.5 tons
Cylinder S	Series	RC-5	RC-5	RC-10	RC-10	RC-25	RC-10, RC-25
19		A-544	-	-	A-19(2x)	A-242(2x)	A-19(2x) and
							A-242(2x)
20		WR-5	WR-5	WR-5	A-92	_	A-92
21			MZ-4013(4x)		A-16(4x)	-	A-16(4x)
22			MZ-4007(3x)	MZ-1050(3x)	MZ-1050(2x)	-	MZ-1050(3x)
23		MZ-4008(2x)		_	MZ-1051	_	MZ-1051(2x)
22 23 24 25		MZ-4009	MZ-4009	MZ-1052	MZ-1052	-	MZ-1052
		-	_	_	A-285	_	A-285
26	211	A-650	- N7 4000	-	_	-	-
Length:	3" 5"	MZ-4002	MZ-4002	- N7 1000	- M7 1000	-	M7 4000
		MZ-4003	MZ-4003	MZ-1002	MZ-1002	A 000	MZ-1002
	10"	MZ-4004	MZ-4004	MZ-1003	MZ-1003	A-239	MZ-1003
	18"	MZ-4005(2x)	MZ-4005	M7_1004	MZ-1004	A-240	and A-239
	10	1VIZ-4003(ZX)	1417-4002	MZ-1004	1412-1004	A-240	MZ-1004(2x)
	23"	MZ-4006	MZ-4006				and A-240
	30"	1417-4000	1417-4000	M7-1005	M7-1005	Λ_2/11	M7_1005(2v)
	00	_	_	MZ-1005	MZ-1005	A-241	MZ-1005(2x)
Casa		CM-6	CM-6	CW-166	CW-166	CW-166	and A-241

CM-6

44 lbs.

CM-6

59 lbs.

CW-166

105 lbs.

CW-166

140 lbs.

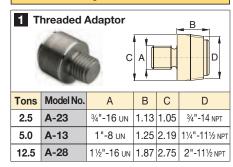
CW-166

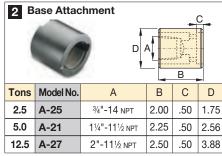
210 lbs.

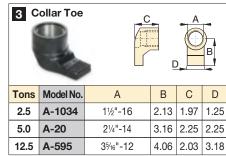
CW-350

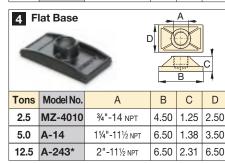
350 lbs.

Base/Collar/Plunger Attachments

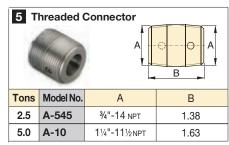


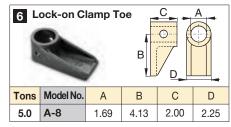






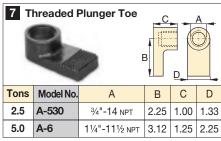
* A-243 is a round base model

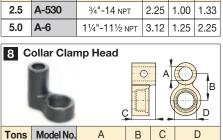


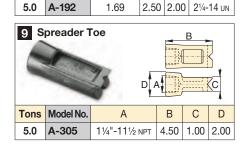


Case

Weight





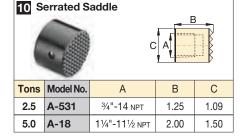


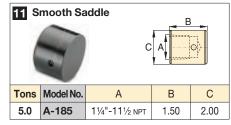
3/4"-14 NPT

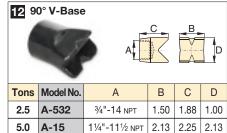
1.95 3.00

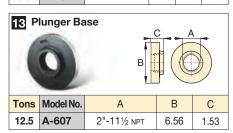
MZ-4011

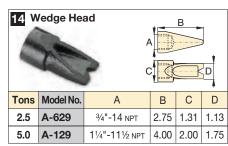
1½-16 un

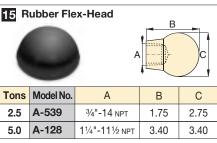


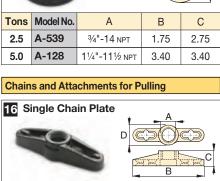




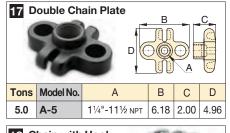


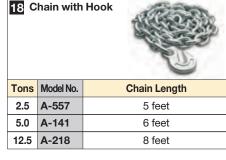


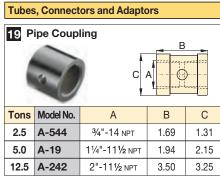


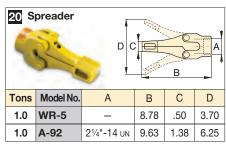


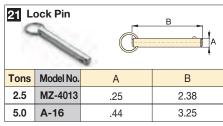
			4	Ь	→ *
Tons	Model No.	А	В	С	D
2.5	A-558	1½"-16 UN	7.75	1.56	1.75
5.0	A-132	21/4"-14 UN	12.12	2.50	3.12
12.5	A-238	35/16"-12 UN	17.75	4.03	4.93

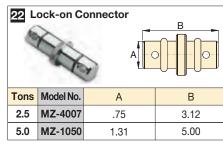


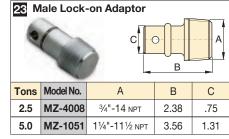


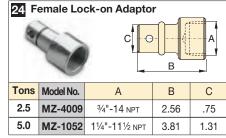


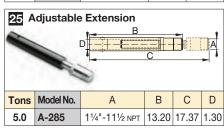


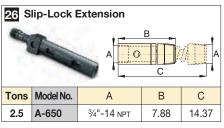












SP-Series, Lightweight Hydraulic Punch



▼ Shown: SP-35S



- .50" thick mild steel maximum capacity
- Round, oblong and square punches and dies are available to solve your punching applications
- Long life Enerpac single-acting, spring return design
- Durable case keeps tools and dies together and provides for easy carrying and storage
- CR-400 female coupler included

▼ SP-Series, Lightweight Hydraulic Punch – much faster than drilling.



Much Faster than Drilling...



Tool Kit SPK-10

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 **SPK-10**.



Ordering Information

The 35-ton hydraulic punch may be ordered by itself or as a set, including an electric, air or hand pump.

Please refer to the Quick Selection Chart information on next page.

A punch and die may also be ordered as a matched set.

▼ STANDARD PUNCH AND DIE SETS SELECTION CHART

OLLL	CHONC	IIAIII		
Hole Shape	Impe	rial*	Met	ric*
	Hole Size	Bolt Size	Hole Size	Bolt Size
	(in)	(in)	(mm)	(mm)
	.31	1/4	7,9	_
	.38	5/16	9,5	M8
	.44	3/8	11,1	M10
•	.53	7/16	13,5	M12
	.56	1/2	14,3	_
	.69	5/8	17,5	M16
	.78	_	19,8	M18
	.81	3/4	20,6	_
	.31	1/4	7,9	_
	.38	5/16	9,5	M8
	.44	3/8	11,1	M10
	.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

Material thickness should **not** exceed hole diameter.

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Single-Acting, Spring Return Hydraulic Punch

▼ QUICK SELECTION CHART

		Included			Model	Weight
*	Punch and Die Set	Pump	Pump Type∳	Hose	Number	(lbs)
SP-35	_	_	_	_	SP-35	35
SP-35	Standard**	_	_	_	SP-35S	40
SP-35	Standard**	PUD-1100B	E	HC-7206	SP-35SP	70
SP-35	Metric***	_	_	-	MSP-351	40
SP-35	Standard**	P-392	Н	HC-7206	STP-35H	55
SP-35	Standard**	PATG-1102N	Α	HC-7206	STP-35A	63

^{*} Punch oil capacity: 4.58 in³

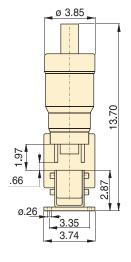
Includes the following punch and die sets:

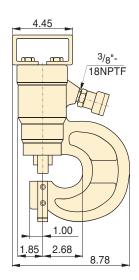
- ** SPD-438, SPD-688, SPD-563 and SPD-813
- *** SPD-375, SPD-531, SPD-438 and SPD-688

♦ E = Electric

H = Hand

A = Air operated





F	Standard Punch & Die Set	N	Maximum Allowable Material Thickness To Be Punched (in) (Material thickness should not exceed hole diameter.)										
N	lodel No.	1)	1) 2) 3) 4) 5) 6) 7) 8) 9) 10) 11)										
S	PD-313	.31	.31	.25	.25	.25	.25	.13	.19	.25	.25	.25	
S	PD-375	.38	.38	.31	.31	.31	.31	.19	.25	.31	.31	.31	
S	PD-438	.44	.44	.38	.38	.38	.31	.19	.31	.31	.31	.31	
S	PD-531	.50	.50	.44	.44	.44	.38	.25	.31	.38	.38	.38	
S	PD-563	.50	.50	.50	.44	.50	.44	.25	.38	.44	.44	.44	
S	PD-688	.50	.50	.50	.44	.50	.40	.25	.31	.40	.40	.40	
S	PD-781	.50	.50	.50	.44	.50	.38	.25	.31	.38	.39	.38	
S	PD-813	.50	.50	.50	.44	.50	.31	.19	.31	.31	.31	.31	
S	PD-458	.31	.31	.25	.25	.25	.25	.13	.19	.25	.25	.25	
S	PD-549	.38	.38	.31	.31	.31	.31	.19	.25	.31	.31	.31	
S	PD-639	.44	.44	.38	.38	.38	.31	.19	.31	.31	.31	.31	
S	PD-728	.50	.50	.44	.44	.44	.38	.25	.31	.38	.38	.34	
S	PD-106	.31	.31	.25	.25	.25	.25	.13	.19	.25	.25	.25	
S	PD-125	.38	.38	.31	.31	.31	.31	.19	.25	.31	.31	.31	
S	PD-188	.44	.44	.38	.38	.38	.31	.19	.31	.31	.31	.31	
S	PD-250	.50	.50	.44	.44	.44	.38	.25	.31	.38	.38	.38	

SP, MSP, STP Series



Capacity:

35 tons

Hole Sizes:

0.31-0.81 inch

Maximum Operating Pressure:

10,000 psi



CAUTION!

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

SP-Series, 50-Ton Hydraulic Punch



▼ Shown: **SP-50100**



- 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 handle for easy carrying
- Adjustable power stripper prevents movement of the metal during stripping
- CR-400 female couplers included



■ Save time using this
50-ton Enerpac Punch.

Cuts the Time Spent Forming Holes



Depth Stop

For simplified repetitive punching applications an adjustable Depth Stop is available.

Order model number: **SP-110.**



Foot Mounting Kit

A foot mounting kit for easy mounting of the 50 ton punch to workbench or fixture is available.

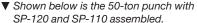
Please order: SP-120.



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.





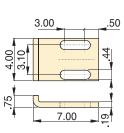
50-Ton Hydraulic Punch

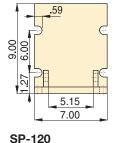
▼ QUICK SELECTION CHART PUNCH SETS

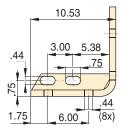
	I	ncluded		Set Model	Weight
Model Number Punch*	Punch & Die Sets	Pump	Hose (2x)	Number	
					(lbs)
SP-50	All**	_	_	SP-50100	255
SP-50	All**	ZE4410SB-N	HC-7206	SP-5000	384

* Punch Oil Capacity: Advance: 17 in³ Retract: 14 in³

^{**} All standard sets from chart below.

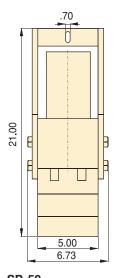


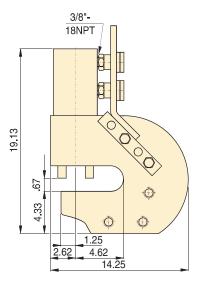




SP-110

SP-





SP-50

SP Series





Capacity:

50 tons

Hole Sizes:

0.53-1.03 inches

Maximum Operating Pressure:

10,000 psi



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	Bolt Size	Standard Punch and Die Set			N	<i>l</i> laximun		able Mat Se Punch (in)		ickness			
	(in)	(in)	Model Numbers	1)	2)	3)	4)	5)	6)	7)	8)	9)	10)	11)
	.53	1/2	SP-150	.53	.53	.53	.53	.53	.49	.32	.40	.49	.49	.49
	.66	5/8	SP-170	.56	.56	.56	.50	.56	.51	.32	.40	.51	.51	.51
	.78	3/4	SP-190	.56	.56	.56	.50	.56	.49	.32	.40	.49	.50	.49
	.91	7/8	SP-121	.56	.56	.56	.50	.56	.35	.22	.35	.35	.35	.35
	1.03	1	SP-123	.56	.56	.56	.44	.56	.31	.19	.31	.31	.31	.31



▼ Shown: LW-16 with SB-2 and optional LWB-1



- Requires .39 inch access gap
- Lifting force 16 ton at 10,000 psi hydraulic pressure
- Automatic mechanical retraction (single acting)
- Securely raises or lowers 16 tons with no slippage
- Lifting wedge LW-16 includes safety block SB-2
- Use in tandem to lift 32 tons, or 64 tons
- .83 inch of vertical lift from each step (maximum lift to 2.72 inches with optional LWB-1 stepped block)

LW Series

Minimum Clearance:

.39 inches

Maximum Lift Height:

2.02*-2.72* inches

Maximum Force:

16 tons

Maximum Operating Pressure:

10,000 psi



Best Match Manual Pump

To power your Enerpac Lifting Wedge, The Enerpac P-392 Hand Pump or P-392FP Foot Pump is an ideal choice.

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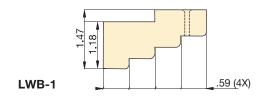
Split-Flow Manifolds

Split Flow Valves to control two or four lifting wedges simultaneously.

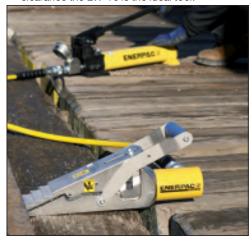
AM-21 with 3 ports 3/8" NPTF. **AM-41** with 5 ports 3/8" NPTF.

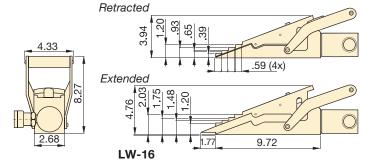
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▼ For lifting heavy equipment with minimum floor clearance the LW-16 is the ideal tool.





Max. Lifting Force	Model No.	Minimum Clearance Gap	Max. Lift per Stage	Max. Lifting Height	Max. Lifting Height Using Stepped Block	Oil Capacity	Weight
(ton)		(in)	(in)	(in)	(in)	(in³)	(lbs)
16	LW-16	.39	.83	2.02	2.72	4.75	15.4

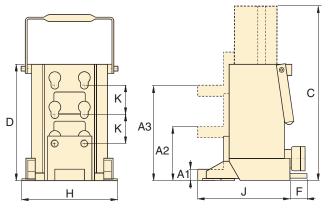
^{*} Use optional stepped block LWB-1 to increase wedge lifting height 1.18 inches.

Hydraulic Machine Lifts

▼ Shown from left to right: SOH-10-6, SOH-23-6



- · For lifting heavy equipment with minimum available access
- Remote operation of 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 CR-400 coupler



SOH **Series**

Lifting Capacity:

8.5-20 tons

5.39-6.18 inches

Toe Clearance:

0.79-1.18 inches

Maximum Operating Pressure:

10,000 psi



ER-Series Load Skates

In combination with the Enerpac Lifting Wedge we recommend Load Skates for moving heavy loads.

Page:



RSM Flat-Jac®

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

Page:

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

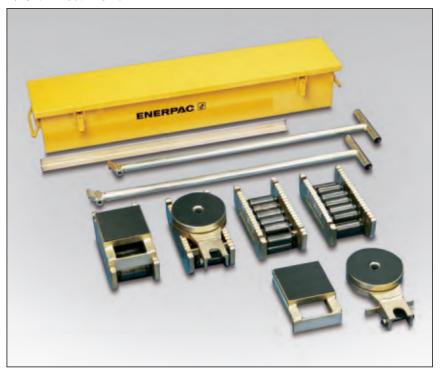


C	Capacity	Toe Clearand	e with Cylind	er Retracted	Stroke	Model	Oil		Dime	nsions (in)			Weight
			(in)			Number	Capacity							
								Total Ext.	Total Body					
		Minimum	Central	Maximum				Height	Height					
	(ton)	A1	A2	A3	(in)		(in³)	С	D	F	Н	J	K	(lbs)
	8.5	.79	3.74	6.69	5.39	SOH-10-6	13.7	17.00	11.61	_	7.48	8.46	2.95	59.2
	20	1.18	4.33	7.48	6.18	SOH-23-6	32.0	18.58	12.40	2.56	10.24	9.84	3.15	99.2

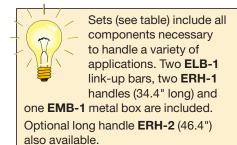
Heavy-Duty Caterroller™ Load Skates



▼ Shown: Set ERS-20



Move Heavy Loads Easily and Safely



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



Lifting Wedge and Machine Lifts

To place the Load Skates, the load must first be lifted. This can be done easily and

safely using Enerpac Lifting Wedge or Machine Lifts.

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

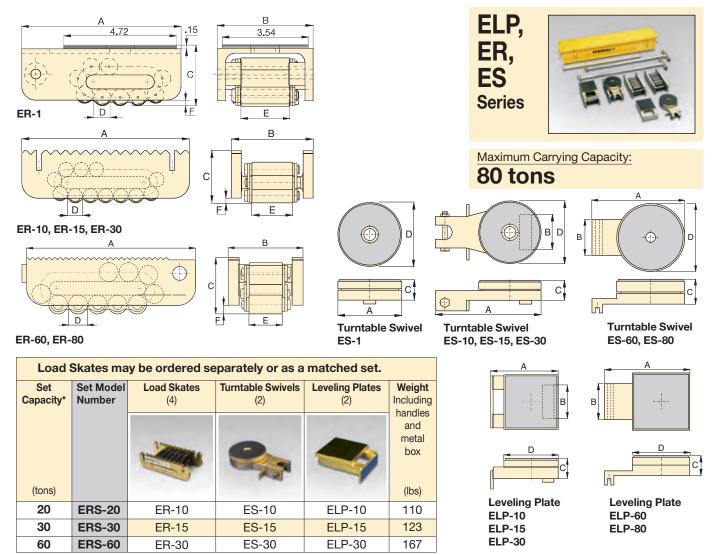


▼ Chemical tank transportation: The first inch(s) the load was lifted with an RCS-Series Low Height Cylinder and then moved onto load skates for transportation.



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Heavy-Duty Caterroller™ Load Skates



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

	Capacity	Model Number			Dimension	ons (inch)			Contact Rolls per Skate	Rollers per Skate	Weight
	(ton)		А	В	С	D	E	F			(lbs)
Load	1	ER-1	6.69	3.94	2.56	.71	2.00	.24	4	11	8.4
Skates	10	ER-10	8.27	3.94	2.63	.71	2.00	.24	5	15	11.5
ER1	15	ER-15	8.69	4.45	2.95	.94	2.38	.39	4	13	16.0
	30	ER-30	10.63	5.13	3.63	1.18	2.69	.39	4	13	28.6
1	60	ER-60	15.00	6.63	4.94	1.65	3.00	.63	4	13	70.4
ER10	80	ER-80	20.88	7.19	5.75	1.97	3.38	.75	6	17	134.2
Turntable	1	ES-1	8.15	_	1.02	3.54	-	_	_	-	2.4
Swivel	10	ES-10	8.66	2.87	1.65	5.12	-	_	-	-	8.1
ES1	15	ES-15	8.66	3.39	1.65	5.12	-	_	_	_	8.1
	30	ES-30	9.84	3.78	1.89	5.91	-	_	-	-	11.7
	60	ES-60	10.83	4.49	2.40	7.48	_	_	_	-	30.1
ES10	80	ES-80	14.17	5.04	2.40	8.66	-	-	_	_	41.6
Leveling	10	ELP-10	5.87	2.87	1.65	4.72	_	_	_	-	8.1
Plate	15	ELP-15	5.87	3.39	1.65	4.72	-	_	-	-	8.1
	30	ELP-30	7.01	3.78	1.89	5.12	_	_	-	_	11.6
	60	ELP-60	10.63	4.49	2.40	7.09	-	_	-	-	30.4
	80	ELP-80	13.78	5.04	2.40	7.87	_	_	_	_	41.4



▼ Shown: CM-16



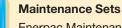
- Protect your equipment from dust, water, grease and dirt
- Reduce losses on the jobsite, maintenance area or shop
- Durable steel, painted with rust-resistant primer and finished in durable enamel
- Heavy-duty hinges and lifting handles
- Lockable

CM Series

Case Size:

.67-16 Cubic Ft.

Protect your Equipment



Enerpac Maintenance sets are a complete assortment of accessories matched to

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 tons.



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.

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



Case Size	Model Number	Dimensions L x W x H	Thickness	Weight
(ft³)		(in)	(in)	(lb)
.67	CM-6	23.5 x 7 x 7	.035	15.4
1.13	CM-1	25 x 11.5 x 6.6	.035	17.6
4.50	CM-4	31 x 18 x 14	.059	35.3
7.50	CM-7	47.5 x 15 x 18	.074	125.7
16.00	CM-16	48 x 24 x 24	.059	121.3

Hydraulic Wedgie and Spread Cylinders

▼ Shown clockwise from top: WR-15, WR-5, A-92



- Single-acting, spring return
- WR-15: For long stroke spreading applications
- WR-5: For use in very confined work areas
- A-92: Spreader attachment screws onto RC-Series 10-ton cylinders (except RC-101)*

A, WR Series

Capacity:

0.75-1.00 ton

Tip Clearance:

0.50-1.38 inches

Maximum Spread Range:

3.70-11.50 inches

Maximum Operating Pressure:

10,000 psi



RC-Series DUO Cylinders 10 ton RC-Series DUO

cylinders (except RC-101) fit into A-92 Spreader Attachment.

Page:

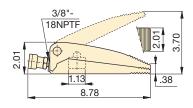


Best Match Hand Pump

To power your WR5 and WR15 the **P-392** hand pump is an ideal choice.

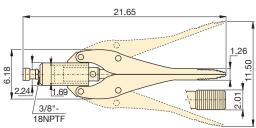
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WR-5

WR-15



A-92*

9.63

Spreader Capacity	Tip Clearance	Model Number	Maximum Spread	Cylinder Effective Area	Oil Capacity	Wt.
(ton)	(in)		(in)	(in²)	(in³)	(lbs)
1.00	.50	WR-5	3.70	1.00	.61	5.0
.75	1.26	WR-15	11.50	2.25	3.91	25.0
1.00	1.38	A-92*	6.25	_	_	8.0

^{*} Maximum system pressure must be limited to half the rated pressure (5000 psi)

▼ A WR-5 Wedgie cylinder is used to loosen a bridge bearing.



Hydraulic Cutterheads



▼ Shown from left to right: WHC-3380, WHC-750



- Single acting, spring return on all models, except WHR-1250
- Guillotine action for efficient operation
- · Lifting handles on larger models
- Carrying bag included for easy carrying and tool protection
- Ideal for use with most Enerpac pumps featuring 3-way valve or dump valve and 10,000 psi pressure rating (except WHR-1250, which requires 4-way valve)
- CR-400 coupler and dust cap included on all models

WHC, WHR, WCB, STC Series

Capacity:

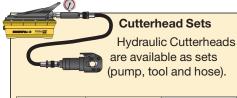
3-20 tons

Cutting Capacity:

0.50-4 inches

Maximum Operating Pressure:

10,000 psi



Cutter Model Number	Pump Model Number	Set Model Number *
WHC-750	P-392	STC-750H
WHC-750	P-392FP	STC-750FP
WHC-750	PATG-1102N	STC-750A
WHC-1250	P-392	STC-1250H
WHC-1250	P-392FP	STC-1250FP
WHC-1250	PATG-1102N	STC-1250A

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

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



▼ Selection Chart Maximum Cutting Capacities (diameter in inches)

Cutter Head	Capac- ity		Oil Capac-	Length	Steel Wire		Roun	d Bar			Wire S	Strand		Ca	able	Wt.	Replace- ment
Operation	(ton)		ity (in³)	(in)	Rope, Hemp- core or IWRC 6x7 6x12 6x19	Copper Wire or Bar		Soft Steel Bolts	Bar	Bare Copper Wire Strands	num	ACSR	Guy Steel Wire Strands 1x7 1x19	Tele- phone Cable CPP	Under- ground Cable (Power)	(lbs)	Blades
	4	WHC-750*	1.2	5.0	.63	.75	.75	.56	.50***	.75	.75	.75	.63	☆	☆	7	WCB-750
Cin alla	20	WHC-1250*	8.2	11.00	1.25	1.25	1.25	1.25	1.00	1.25	1.25	1.25	.88	☆	☆	25	WCB-1250
Single- acting	13	WHC-2000	7.3	15.00	1.00	1.25	1.25	.88	☆	2.00	2.00	2.00	.75	☆	2.00	23	WCB-2000
acting	3	WHC-3380	4.0	19.00	☆	☆	☆	☆	☆	3.00	3.00	☆	☆	3.38	3.38	20	WCB-3380
	8	WHC-4000	8.4	24.00	☆	☆	☆	☆	☆	3.50	3.50	☆	☆	4.00	4.00	32	WCB-4000
D/A**	20	WHR-1250	7.5	16.50	1.25	1.25	1.25	1.25	1.00	1.25	1.25	1.25	.88	☆	☆	26	WCB-1250

^{*} Available in sets. ** D/A = Double-acting *** Low Alloy

☆ Will not cut designated material

Self-Contained Hydraulic Cutters

Shown from left to right: WMC-2000, WMC-750



- Rotating heads for operator convenience
- Guillotine action (except WMC-1000) for efficient operation
- Carrying bag included for easy carrying and tool protection
- Velcro straps to secure handles on larger models for easy transportation
- Spring return on all models
- · Lightweight, self-contained tool, can be used anywhere

WMC, WCB **Series**

Capacity:

3-20 tons

Maximum Material Diameter:

0.38-3.38 inches

Maximum Operating Pressure:

10,000 psi



Replacement Blades

To order 60-62HRc hardened replacement blades use one of the model numbers shown below.

For Cutter Model Number	Order Blade Model Number
WMC-580	WCB-750
WMC-750	WCB-750
WMC-1000	WCB-1000
WMC-1250	WCB-1250
WMC-1580	WCB-1580
WMC-2000	WCB-2000
WMC -3380	WCB-3380



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 (diameter in inches)

Capa-		Length	Steel		Roun	d Bar			1	Wire Stra	nd		Cable		Weight
city	Number		Wire Rope, Hemp- core or IWRC 6x7 6x12	Copper Wire or Bar	Alumi- num Wire or Bar	Soft Steel Bolts	Rein- forcing Bar	Bare Copper Wire Strands	Bare Alumi- num Wire Strands	ACSR Wire Strands	Guy Steel Wire Strands	Guy Steel Wire Strands	Tele- phone Cable CPP	Under- ground Cable (Power)	
(ton)		(in)	6x19						6x7		1x7	1x19			(lbs)
4	WMC-580	15.00	.63	.63	.63	.63	.38	.63	.63	.63	.56	.56	☆	.63	8
4	WMC-750	15.00	.75	.75	.75	.69	.50***	.75	.75	.75	.56	.56	☆	.75	8
20	WMC-1000*	26.75	☆	.75	.75	.75	.75	☆	☆	☆	☆	☆	☆	☆	25
20	WMC-1250	26.75	1.25	1.25	1.25	1.25	.88	1.25	1.25	1.25	.88	.88	☆	☆	23
6	WMC-1580	22.00	.75	.75	.75	.75	☆	1.50	1.50	1.50	.63	.63	☆	1.63	15
13	WMC-2000	24.75	1.00	1.25	1.25	.88	☆	2.00	2.00	2.00	.75	.75	☆	2.00	24
3	WMC-3380	26.00	☆	☆	☆	☆	☆	3.00	3.00	☆	☆	☆	3.38	3.38	22

Cuts .50" alloy chain grade 70 (type G7 transport or tie-down) or grade 80 (for overhead lifting applications) ☆ Will not cut designated material
**** Low Alloy



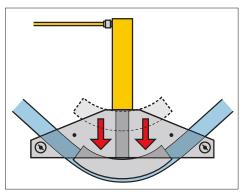
▼ Shown: STB-101H



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
increased radii are required for multiple
parallel pipe installations.

- Makes smooth, wrinkle-free bends
- Sets include cylinder, hose and manual, air or electric pump
- Sets are also available without hydraulics
- Bending shoes and bending frame are lightweight, heat-treated aluminum
- All sets include sturdy steel storage case
- All sets include BZ-12091 angle indicator for accurate bending
- BZ-12377 Shoe Lock Pin included in every set
- Eject-O-Matic[™] benders (STB-202 models) use a doubleacting cylinder to eject pipe from the bending shoe



▲ Typical one shot bending operation.

▼ SELECTION CHART

•	Range	Set Model Number	Hand Pump*	Air Pump*					Saddle	Weight (includes steel case)
One Shot	Size (in) Sweep	_		1	🌲 🆫			-		(lbs)
		STB-101X	_	-	_	_	-	CM-4	A-12	88
		STB-101N	-	-		RC-1010	HC-7206	CM-4	A-12	105
1/2 - 2	_	STB-101H	P-392	-	-	RC-1010	HC-7206	CM-4	A-12	114
		STB-101A	_	PATG-1102N	_	RC-1010	HC-7206	CM-4	A-12	119
		STB-101B	-	-	PUJ-1200B ²⁾	RC-1010	HC-7206	CM-4	A-12	127
		STB-221X	-	-	-	-	-	CM-7	A-29	229
1 - 2	2½ -4	STB-221N	_	_	-	RC-2510	HC-7206	CM-7	A-29	263
		STB-221H	P-80	-	_	RC-2510	HC-7206	CM-7	A-29	286
		STB-202X ¹⁾	-	-	-	-	-	CM-7	A-29	316
11/4 - 4	_	STB-202N ¹⁾	_	_	_	RR-3014	HC-7206 (2x)	CM-7	A-29	383
		STB-202B ¹⁾	_	_	ZU4408SB ²⁾	RR-3014	HC-7206 (2x)	CM-7	A-29	467

^{*} See corresponding sections of this catalog for more detailed specifications.

¹⁾ Eject-O-Matic^{TM 2)} For 230 volt applications change the last digit of Set Model Number from "B" to "E".

Pipe Bender Sets

Nominal pipe size (outside dia.)	Wall Thick- ness	Schedule Pipe *	Pipe Bend Inside Radius	STB-101	1-2 One Shot 2½ - 4	STB-202	One Shot Bending Shoe Model Number	Sweep Bending Shoe Model Number		
(in)	(in)		(in)	One Shot	Sweep	One Shot				
	.109	40		Yes	_	_				
½ (.840)	.147	80	2%	Yes	-	_	BZ-12011	_		
(.040)	.187	160	270	WS	_	-	DE 12011			
	.294	DEH		WS	-	-				
3/	.113	40		Yes	-	_				
³ / ₄ (1.050)	.154	80	4	Yes	-	-	BZ-12021	_		
(1.000)	.218	160	-	WS	-	_	DE 12021			
	.308	DEH		WS	-	-				
1	.133	40		Yes	Yes	_				
(1.315)	.179	80	51/8	Yes	Yes	-	BZ-12031	_		
.2	.250	160		WS	WS	_	DE 12001			
	.358	DEH		-	WS	-				
	.140	40		Yes	Yes	Yes				
11/4	.191	80	6 %	Yes	Yes	Yes	BZ-12041	_		
(1.660)	.250	160	0,10	WS	WS	Yes	DE 12041			
	.342	DEH		-	WS	WS				
	.145	40		Yes	Yes	Yes				
1½	.200	80	7 5/16	Yes	Yes	Yes	BZ-12051	_		
(1.900)	.281	160		WS	WS	Yes				
	.400	DEH		-	WS	WS				
2	.154	40		Yes	Yes	Yes				
(2.375)	.218	80	8 1/16	-	Yes	Yes	BZ-12061	-		
	.343	160		-	WS	Yes				
2½	.203	40		-	Yes	Yes				
(2.875)	.276	80	9½	_	WS	Yes	BZ-12341	BZ-12382		
	.375	160		-	WS	Yes				
3	.216	40	111/4	_	Yes	Yes	BZ-12351	BZ-12383		
(3.500)	.300	80		-	WS	Yes				
3½	.226	40	15½	_	Yes	Yes	BZ-12391	BZ-12384		
(4.000)	.318	80		-	WS	Yes		JE 12004		
4 (4.500)	.237	40	17 ¾	_	Yes	Yes	BZ-12392	BZ-12385		
(4.500)	.337	80		_	- avy; 160 = D	Yes				

STB Series



Nominal Pipe Size:

0.5-4 inches

Maximum Bend Angle:

90°

Maximum Operating Pressure:

10,000 psi



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

*Schedule Pipe: 40 = Standard; 80 = Extra Heavy; 160 = Double Extra Heavy;

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

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

	Frame Assembly	Pivot Pin**	Pivot Shoes**		One Shot or Sweep ³⁾ Bending Shoes included								
												STB-101X	
												STB-101N	
	BZ-12371	BZ-12375	BZ-12071	BZ-12011	BZ-12021	BZ-12031	BZ-12041	BZ-12051	BZ-12061	_	_	STB-101H	
												STB-101A	
												STB-101B	
												STB-221X	
	BZ-12372	BZ-12376	BZ-13401	BZ-12031	BZ-12041	BZ-12051	BZ-12061	BZ-12382 ³⁾	BZ-12383 ³⁾	BZ-12384 ³⁾	BZ-12385 ³⁾	STB-221N	
												STB-221H	
_												STB-202X1)	
	BZ-12374	BZ-12376	BZ-13401	-	BZ-12041	BZ-12051	BZ-12061	BZ-12341	BZ-12351	BZ-12391	BZ-12392	STB-202N1)	
												STB-202B ¹⁾	

³⁾ Shoes are Sweep, all other shoes are One Shot.

 $^{^{\}star\star}$ Sets include two pivot pins and two pivot shoes.