

▼ Shown: MS2-10



The Universal Hydraulic Tool Box

i **Maintenance Sets**
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.

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

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



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

▼ QUICK SELECTION CHART

Capacity using attachments* (tons)	Set Model Number						Number of Attachment Components	Weight (lbs)
2.5	MS2-4	P-142	HC-7206	RC-55	GP-10S	GA-4	34	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	22	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 and -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.



Capacity (using attachments):
2.5-12.5 tons

Max. Operating Pressure (using attachments):
5,000 psi

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).

▼ APPLICATION EXAMPLES



MS-Series, Maintenance Sets

MS-Series, Maintenance Sets



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Note: All dimensions in inches.

Set Model Number	MS2-4	MSFP-5	MSFP-10	MS2-10	MS2-20	MS2-1020
Base/Collar/Plunger Attachments	Capacity Using Attachments					
	2.5 tons	2.5 tons	5.0 tons	5.0 tons	12.5 tons	5-12.5 tons
Cylinder 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	A-539	A-539	A-128	A-128	—	A-128
Chains and Attachments for Pulling	2.5 tons	2.5 tons	5.0 tons	5.0 tons	12.5 tons	5-12.5 tons
Cylinder 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, Connectors and Adaptors	2.5 tons	2.5 tons	5.0 tons	5.0 tons	12.5 tons	5-12.5 tons
Cylinder 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) / A-242(2x)
20	WR-5	WR-5	WR-5	A-92	—	A-92
21	MZ-4013(4x)	MZ-4013(4x)	A-16(4x)	A-16(4x)	—	A-16(4x)
22	MZ-4007(3x)	MZ-4007(3x)	MZ-1050(2x)	MZ-1050(2x)	—	MZ-1050(3x)
23	MZ-4008(2x)	—	—	MZ-1051	—	MZ-1051(2x)
24	MZ-4009	MZ-4009	MZ-1052	MZ-1052	—	MZ-1052
25	—	—	—	A-285	—	A-285
26	A-650	—	—	—	—	—
27 Length: 3"	MZ-4002	MZ-4002	—	—	—	—
5"	MZ-4003	MZ-4003	MZ-1002	MZ-1002	—	MZ-1002
10"	MZ-4004	MZ-4004	MZ-1003	MZ-1003	A-239	MZ-1003 and A-239
18"	MZ-4005(2x)	MZ-4005	MZ-1004	MZ-1004	A-240	MZ-1004(2x) and A-240
23"	MZ-4006(2x)	MZ-4006	—	—	—	—
30"	—	—	MZ-1005	MZ-1005	A-241	MZ-1005(2x) and A-241
28 Case	CM-6	CM-6	CW-166	CW-166	CW-166	CW-350
Weight	59 lbs	44 lbs	105 lbs	140 lbs	210 lbs	350 lbs

Base/Collar/Plunger Attachments

1 Threaded Adaptor

tons	Model No.	A	B	C	D
2.5	A-23	3/4"-16 UN	1.13	1.05	3/4"-14 NPTF
5.0	A-13	1"-8 UN	1.25	2.19	1 1/4"-11 1/2 NPTF
12.5	A-28	1 1/2"-16 UN	1.87	2.75	2"-11 1/2 NPTF

2 Base Attachment (incl. mounting screws)

tons	Model No.	A	B	C	D
2.5	A-25	3/4"-14 NPTF	2.00	.50	1.75
5.0	A-21	1 1/4"-11 1/2 NPTF	2.25	.50	2.56
12.5	A-27	2"-11 1/2 NPTF	2.50	.50	3.88

3 Collar Toe

tons	Model No.	A	B	C	D
2.5	A-1034	1 1/2"-16 UN	2.13	1.97	1.25
5.0	A-20	2 1/4"-14 UN	3.16	2.25	2.25
12.5	A-595	3 5/16"-12 UN	4.06	2.03	3.18

4 Flat Base

tons	Model No.	A	B	C	D
2.5	MZ-4010	3/4"-14 NPTF	4.50	1.25	2.50
5.0	A-14	1 1/4"-11 1/2 NPTF	6.50	1.38	3.50
12.5	A-243*	2"-11 1/2 NPTF	6.50	2.31	6.50

* A-243 is a round base model

5 Threaded Connector

tons	Model No.	A	B
2.5	A-545	3/4"-14 NPTF	1.38
5.0	A-10	1 1/4"-11 1/2 NPTF	1.63

6 Lock-on Clamp Toe

tons	Model No.	A	B	C	D
5.0	A-8	1.69	4.13	2.00	2.25

7 Threaded Plunger Toe

tons	Model No.	A	B	C	D
2.5	A-530	3/4"-14 NPTF	2.25	1.00	1.33
5.0	A-6	1 1/4"-11 1/2 NPTF	1.13	1.25	2.25

8 Collar Clamp Head

tons	Model No.	A	B	C	D
2.5	MZ-4011	3/4"-14 NPTF	1.95	3.00	1 1/2"-16 UN
5.0	A-192	1.69	2.50	2.00	2 1/4"-14 UN

9 Spreader Toe

tons	Model No.	A	B	C	D
5.0	A-305	1 1/4"-11 1/2 NPTF	4.50	1.00	2.00

10 Serrated Saddle

tons	Model No.	A	C	D
2.5	A-531	3/4"-14 NPTF	1.09	1.25
5.0	A-18	1 1/4"-11 1/2 NPTF	1.50	2.00

11 Smooth Saddle

tons	Model No.	A	B	C
5.0	A-185	1 1/4"-11 1/2 NPTF	1.50	2.00

12 90° V-Base

tons	Model No.	A	B	C	D
2.5	A-532	3/4"-14 NPTF	1.50	1.88	1.00
5.0	A-15	1 1/4"-11 1/2 NPTF	2.13	2.25	2.13

13 Plunger Base

tons	Model No.	A	B	C
12.5	A-607	2"-11 1/2 NPTF	6.56	1.53

14 Wedge Head

t	Model No.	A	B	C	D
2.5	A-629	3/4"-14 NPTF	2.75	1.31	1.13
5.0	A-129	1 1/4"-11 1/2 NPTF	4.00	2.00	1.75

15 Rubber Flex-Head

tons	Model No.	A	B	C
2.5	A-539	3/4"-14 NPTF	1.75	2.75
5.0	A-125	1 1/4"-11 1/2 NPTF	3.40	3.40

Chains and Attachments for Pulling

16 Single Chain Plate

tons	Model No.	A	B	C	D
2.5	A-558	1 1/2"-16 UN	7.75	1.56	1.75
5.0	A-132	2 1/4"-14 UN	12.12	2.50	3.12
12.5	A-238	3 5/16"-12 UN	17.75	4.03	4.93

17 Double Chain Plate

tons	Model No.	A	B	C	D
5.0	A-5	1 1/4"-11 1/2 NPTF	5.12	2.00	4.96

18 Chain with Hook

tons	Model No.	Chain Length
2.5	A-557	5 feet
5.0	A-141	6 feet
12.5	A-218	8 feet

Tubes, Connectors and Adaptors

19 Pipe Coupling

tons	Model No.	A	B	C
2.5	A-544	3/4"-14 NPTF	1.69	1.31
5.0	A-19	1 1/4"-11 1/2 NPTF	1.94	2.15
12.5	A-242	2"-11 1/2 NPTF	3.50	3.25

20 Spreader

tons	Model No.	A	B	C	D
1.0	WR-5	—	8.78	.38	3.70
1.0	A-92	2 1/4"-14 UN	9.63	1.38	6.25

21 Lock Pin

tons	Model No.	A	B
2.5	MZ-4013	.25	2.38
5.0	A-16	.44	3.25

22 Lock-on Connector

tons	Model No.	A	B
2.5	MZ-4007	.75	3.12
5.0	MZ-1050	1.31	5.00

23 Male Lock-on Adaptor

tons	Model No.	A	B	C
2.5	MZ-4008	3/4"-14 NPTF	2.38	.75
5.0	MZ-1051	1 1/4"-11 1/2 NPTF	3.56	1.31

24 Female Lock-on Adaptor

tons	Model No.	A	B	C
2.5	MZ-4009	3/4"-14 NPTF	2.56	.75
5.0	MZ-1052	1 1/4"-11 1/2 NPTF	3.81	1.31

25 Adjustable Extension

tons	Model No.	A	B	C	D
5.0	A-285	1 1/4"-11 1/2 NPTF	13.20	17.37	1.30

26 Slip-Lock Extension

tons	Model No.	A	B	C
2.5	A-650	3/4"-14 NPTF	7.88	14.37