

Enerpac offers a complete line of pullers with the widest range of sizes, capacities and styles. Whether your application requires mechanical, hydraulic or the patented Posi Lock® system, Enerpac can satisfy your requirements.

Made of high strength steel alloys, you can depend on Enerpac pullers to provide years of trouble-free operation, even in the harshest environments.



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.



Posi Lock® Pullers

The puller that meets the safety challenge. A control cage holds the pulling jaws securely in working position. This patented feature reduces the possibility of the puller jaws slipping off the work surface thereby increasing productivity and tool life while reducing dangerous situations for the user. The Posi Lock® feature is available in mechanical or hydraulic versions.



WARNING
Do not exceed 50% of the rated puller capacity when using a double crosshead (2 jaws) or when using puller legs in combination with bearing puller attachment.



CAUTION!
Not all puller components and configurations are rated at the set capacity. Please contact Enerpac for specific details.



Always wear Safety Goggles and Gloves while using pullers.

When selecting a puller it is important to consider three basic specifications:

1. Capacity:

The amount of force the puller is capable of producing.

Typically, the capacity required for a job can be determined by using the shaft diameter of the part being pulled.

For manual pullers, the center bolt diameter of the puller should be at least half the diameter of the shaft being pulled from.

For hydraulic pullers, the capacity in tons should be 7 to 10 times the shaft diameter. Use the following chart:

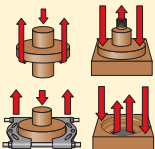

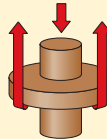

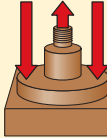



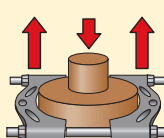

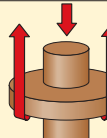

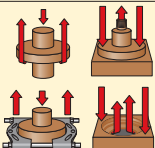

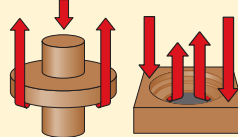

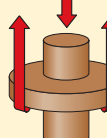

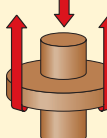

Shaft Diameter	Puller Capacity
0" to 1"	14 ton
1" to 2"	24 ton
2" to 3.5"	36 ton
3.5" to 5.5"	50 ton

2. Reach:

The distance between the bottom of the base and the jaw flats. The puller's reach must equal or exceed the same distance of the part being pulled.

3. Spread:

The distance between the jaws. The puller's spread needs to be greater than the width of the part being pulled.

Puller Function	Capacity (tons)	Puller Type	Series	Image	Page
	14-50	Master Puller Sets Max. Reach: 27.56 in. Spread Range: 43.30 in.	BHP		164 ▶
	14-50	Grip Puller Sets Max. Reach: 27.56 in. Spread Range: 43.30 in.	BHP		165 ▶
	7-24	Cross-Bearing Puller Sets Max. Reach: 34.00 in. Spread Range: 22.44 in.	BHP		166 ▶ 173
	7-25	Bearing Cup Pullers Max. Reach: 5.71 in. Spread Range 14.17 in.	BHP		167 ▶
	7-25	Bearing Separator Max. Spread: 9.65 in. Max. Width 11.50 in.	BHP		167 ▶
	1-20	Mechanical Sync Grip Puller Max. Reach: 23.62 Spread Range: 26.77	SGM		168 ▶
	14-50	Hydraulic Sync Grip Puller Max. Reach: 27.56 in. Spread Range: 38.58 in.	SGH MPS GPS		168 ▶ 171 ▶ 172 ▶
	2-40	Posi Lock® Mechanical Pullers Max. Reach: 14.00 in. Spread Range: 25.00 in.	EP, EPP, EPPMI, EPX		174 ▶
	10-50	Posi Lock® Hydraulic Pullers Max. Reach: 14.00 in. Spread Range: 25.00 in.	EPH, EPHR, EPHS		178 ▶
	100	Posi Lock® Hydraulic Pullers Max. Reach: 48.0 in. Spread Range: 70.0 in.	EPH EPHT		181 ▶

▼ Shown: Master Puller Set BHP-3751G



Multi-Purpose Puller Set

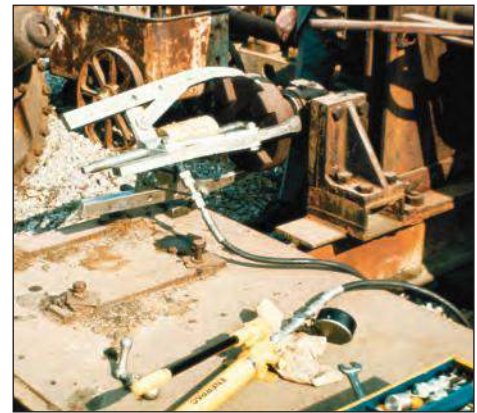


WARNING

Not all puller components and configurations are rated at the set capacity. Please contact Enerpac for specific details.

- Supplied with a full hydraulic set including pump, hose, cylinder, gauge and gauge adaptor in a storage case
- High quality, forged steel components provide superior reliability and service
- Sets include speed crank and adjusting screw for fast contact to work before hydraulics are applied
- All Master Puller Sets include a Grip Puller, a Cross Bearing Puller, a Bearing Cup Puller and a Bearing Separator which can be ordered separately. See items 10, 20, 30 and 40

▼ Maintenance engineers throughout the industry greatly appreciate Enerpac Master Puller sets.



▼ SELECTION CHART

Master Puller Set Capacity	14 ton	24 ton	36 ton	50 ton*	Page Number
Model Number ►	BHP-1752 ¹⁾	BHP-2751G	BHP-3751G	BHP-5751G	
Included Hydraulics: Set Weight ►	82 lbs	198 lbs	380 lbs	657 lbs	
Hand Pump	P-142	P-392	P-392	P-80	70 ►
Cylinder	RWH-121	RCH-202	RCH-302	RCH-603	26 ►
Saddle	–	HP-2015	HP-3015	HP-5016	27 ►
Hose	HB-7206QB	HC-7206	HC-7206	HC-7206	133 ►
Gauge	GF-120P	GF-813P	GF-813P	GF-813P	139 ►
Gauge Adaptor	GA-4	GA-3	GA-3	GA-3	145 ►
Included Pullers:					
10 Grip Puller	BHP-1762	BHP-252	BHP-352	BHP-552	165 ►
20 Cross Bearing Puller	BHP-1772	BHP-262	BHP-362	BHP-562	166 ►
30 Bearing Cup Puller	BHP-180	BHP-280	BHP-380	BHP-580	167 ►
40 Bearing Separator	BHP-181	BHP-282	BHP-382	BHP-582	167 ►
Storage Case	CM-6	CW-166	CW-550	CW-750	

¹⁾ Includes FZ-1630 Adaptor.

* Puller capacity at 7,850 psi

▼ Shown: Grip Puller Set BHP-351G



- Precise hydraulic control allows fast, efficient and safe pulling
- High quality, forged steel components provide superior reliability and service
- Available with and without full hydraulic set

BHP Series

Capacity:

14, 24, 36 and 50 tons

Maximum Reach:

9.92-27.56 inches

Spread Range:

9.84-43.30 inches

Maximum Operating Pressure:

10,000 psi



WARNING

Not all puller components and configurations are rated at the set capacity. Please contact Enerpac for specific details.

Ordering Example

Model Number BHP-251G:

Includes Grip Puller BHP-252 and a full hydraulic set. (Hand pump, cylinder, saddle, hose, gauge and gauge adaptor.)

Model Number BHP-252:

Includes Grip Puller mechanical parts **only**, for use with your existing hydraulics.

▼ SELECTION CHART

Grip Puller Set Capacity		14 ton	24 ton	36 ton	50 ton**
Model Number	Included ►	BHP-152 ¹⁾	BHP-251G	BHP-351G	BHP-551G
Hydraulics:	set weight ►	48 lbs	123 lbs	200 lbs	353 lbs
Hand Pump		P-142	P-392	P-392	P-80
Cylinder		RWH-121	RCH-202	RCH-302	RCH-603
Saddle		–	HP-2015	HP-3015	HP-5016
Hose		HB-7206QB	HC-7206	HC-7206	HC-7206
Gauge		GF-120P	GF-813P	GF-813P	GF-813P
Gauge Adaptor		GA-4	GA-3	GA-3	GA-3
10 Grip Puller *	Model Number ►	BHP-1762*	BHP-252*	BHP-352*	BHP-552*
Spread Range (in)	2-jaw	9.84	15.75	23.38	35.43
	3-jaw	9.84	19.68	31.50	43.30
Maximum Reach (in)	2-jaw	9.92	11.81	15.25	27.56
	3-jaw	9.92	11.81	15.25	27.56
Jaw (in)	Thickness	0.59	0.79	0.98	1.18
	Width	0.94	1.10	1.50	1.57
Adjusting Screw (in)	Thread	¾"-16 UNF	1"-8 UNC	1¼"-7 UNC	1½"-5.5 UNS
	Length	15.75	26.38	31.16	38.39
Case		CW-166	CW-166	CW-350	CW-750

¹⁾ Includes FZ-1630 Adaptor.

* Grip Puller model number without hydraulics.

** Puller capacity at 7,850 psi

▼ Shown: Cross-Bearing Puller Set BHP-361G



BHP Series

Capacity:

7, 12, 18 and 25 tons

Maximum Reach:

14.06-34.00 inches

Maximum Spread Range:

10.24-22.83 inches

Maximum Operating Pressure:

5000 psi



WARNING!

Not all puller components and configurations are rated at the set capacity. Please contact Enerpac for specific details.

- Precise hydraulic control allows fast, efficient and safe pulling
- High quality, forged steel components provide superior reliability and service
- The Cross-Bearing Puller without hydraulics, Bearing Cup Puller and Bearing Puller may be ordered separately. See items 20, 30 and 40

▼ SELECTION CHART – Each set includes all items in columns*

Cross-Bearing Puller Set Capacity		7 ton	12 ton	18 ton	25 ton
* SET Model Number ►		BHP-162 ¹⁾	BHP-261G	BHP-361G	BHP-561G
Included Hydraulics: set weight ►		57 lbs	137 lbs	267 lbs	408 lbs
Hand Pump		P-142	P-392	P-392	P-80
Cylinder		RWH-121	RCH-202	RCH-302	RCH-603
Saddle		–	HP-2015	HP-3015	HP-5016
Hose		HB-7206QB	HC-7206	HC-7206	HC-7206
Gauge		GF-120P	GF-813P	GF-813P	GF-813P
Gauge Adaptor		GA-4	GA-3	GA-3	GA-3
20	SET includes Cross-Bearing Puller Model Number ►	BHP-1772	BHP-262	BHP-362	BHP-562
Spread (in)					
Maximum		10.24	13.58	17.32	22.83
Minimum		4.53	5.51	7.09	8.66
Reach (in)					
Maximum		14.06	22.44	27.95	34.00
Adjusting Screw (in)					
Diameter		¾"-16 UNF	1"-8 UNC	1¼"-7 UNC	1½"-5.50 UNS
Length		15.75	26.38	31.10	38.39
Leg (in)					
Length		4.17	4.53	8.07	23.98
Length		14.06	9.45	18.11	34.02
Length		–	16.54	27.95	–
Length		–	22.44	–	–
Upper Leg Ends (in)					
Thread		¾"-16 UNF	¾"-16 UNF	1"-14 UNS	1¼"-12 UNF
Lower Leg Ends (in)					
Thread		⅝"-18 UNF	⅝"-18 UNF	1"-14 UNS	1¼"-12 UNF
30	SET includes Bearing Cup Puller Model Number ►	BHP-180	BHP-280	BHP-380	BHP-580
40	SET includes Bearing Separator Model Number ►	BHP-181	BHP-282	BHP-382	BHP-582
SET includes Wooden Case Model Number ►		CW-166	CW-166	CW-550	CW-750

¹⁾ Includes FZ-1630 Adaptor.

* Each set includes Cross-Bearing Puller, Bearing Cup Puller, Bearing Separator and Case

Bearing Cup Pullers and Bearing Separators

▼ Shown: **BHP-180**



Bearing Cup Puller

- Made of high strength steel alloy
- Easily adapted to Cross Bearing Pullers for fast and efficient removal of the most difficult parts
- Adjustable to fit a variety of bearings and seals

BHP Series

Capacity:

7, 12, 18 and 25 tons

Maximum Reach:

4.53-5.91 inches

Maximum Spread Range:

5.71-9.45 inches

Maximum Operating Pressure:

5000 psi

▼ SELECTION CHART

Capacity*		7 ton	12 ton	18 ton	25 ton
30 Bearing Cup Puller					
Model Number ▶		BHP-180	BHP-280	BHP-380	BHP-580
Spread (in)	Max.	5.71	6.30	9.45	9.45
	Min.	1.57	1.26	2.36	2.36
Reach (in)	Max.	4.53	5.51	5.91	5.91
	Center Screw Thread	3/4"-16 UNF	1"-8 UNC	1 1/4"-7 UNC	1 5/8"-5.50 UNS

* Bearing cup puller rated at 50% of puller capacity.



WARNING!

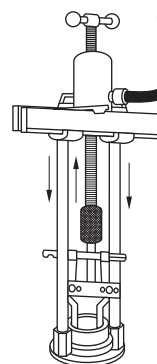
Do not exceed 50% of the rated puller capacity when using a double crosshead (2 grip arms) or when using puller legs in combination with bearing puller attachment.

▼ Shown: **BHP-181**

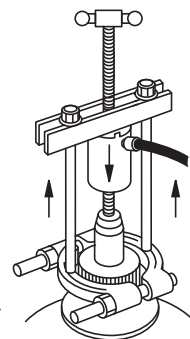


Bearing Separator

- Made of high strength steel alloy
- Wedge-shaped edges allow removal of the most hard-to-grip components
- Easily adapted to Cross Bearing Pullers for fast and efficient removal of the most difficult parts



◀ Bearing Cup Puller shown with Cross Bearing Puller attachment.



Bearing Separator shown with Cross Bearing Puller attachment. ▶

▼ SELECTION CHART

Capacity**		7 ton	12 ton	18 ton	25 ton
40 Bearing Separator					
Model Number ▶		BHP-181	BHP-282	BHP-382	BHP-582
Spread (in)	Max.	4.33	5.28	9.84	9.84
	Min.	0.39	0.47	0.67	0.67
Width (in)		4.33	6.10	10.24	10.24
Thread		5/8"-18 UNF	5/8"-18 UNF	1"-14 UNS	1 1/4"-12 UNF

* Bearing separator rated at 50% of puller capacity.



Bearing Separator

Bearing Separator has wedge shaped edges for placing puller behind hard to reach bearings, gears, etc., where clearance prevents direct application of grip puller arms.

The Bearing Separator should be used with the Cross Bearing Puller.

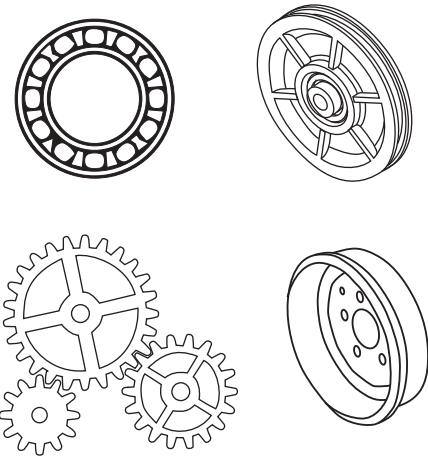
OVERVIEW


The Enerpac Sync Grip multi-purpose puller range is designed to make your jobs easier and safer to accomplish.


Remove bearings, bushings, gears, sleeves, wheels and flywheels, sprockets and other shaft mounted items simply and effectively.

Mechanical and hydraulic configurations are available with a variety of optional accessories that expand application range and increase utility.

Hydraulic models are available in standard sets which include detachable hydraulic cylinders and a choice of pump options, along with a gauge assembly and hose for safe monitoring of applied pulling forces.



 Always wear safety goggles and gloves while using pullers.

 **WARNING!**
Do not exceed 50% of the rated puller capacity when using two jaw configurations.

▼ DIMENSIONAL DATA

Puller Capacity (ton)	Puller Model No.	Sync Grip Pullers Dimensions (in)								Wt.*** (lbs)
		Standard Reach Jaws Max. Reach Max. Spread		Optional Extended Reach Jaws Max. Reach Max. Spread		Jaw Tip Height Width Thickness			Jaw Hole Spacing	
		A	B	A	B	D	E	F	(in)	
Mechanical Pullers										
1	SGM01*	4.13	4.33	—	—	0.31	0.28	0.30	0.75	1.8
4	SGM04*	7.28	6.89	—	—	0.30	0.31	0.83	2.01	4.4
7	SGM07*	8.86	9.45	—	—	0.39	0.31	0.98	1.75	14.3
10	SGM10*	16.14	13.78	19.29	15.94	0.49	0.59	0.98	3.27	32.0
20	SGM20	23.62	26.77	25.20	28.35	0.87	0.94	1.61	4.92	122.3
Hydraulic Pullers										
14	SGH14*	12.60	13.78	15.75	15.94	0.49	0.59	0.98	3.27	55.1
24	SGH24	12.60	18.90	17.13	21.26	0.61	0.69	1.22	4.53	108.0
36	SGH36	16.14	25.59	20.67	28.35	0.87	0.94	1.61	4.92	165.3
50**	SGH64	27.56	38.58	33.46	42.52	1.18	1.06	1.97	5.91	363.7

* Puller can be set up as a 2 or 3 jaw configuration.

** Puller capacity at 7,850 psi, maximum cylinder capacity @ 10,000 psi is 64.6 tons.

*** With standard legs and cylinder for hydraulic models



Sync Grip Pullers: available in both mechanical or hydraulic versions. Some models can be configured as a two jaw puller, however, three jaws are recommended for most even distribution of pulling forces.



Cross Puller: hydraulically powered via detachable cylinder and choice of pump. The Cross Puller can be used individually as a 'push' puller or in conjunction with the Bearing Separator or Bearing Cup Puller.



Bearing Separator: use where access is restricted. The Bearing Separator is used in conjunction with the Cross Puller.



Bearing Cup Puller: specifically designed for cup style bearing and other applications requiring an internal style puller.



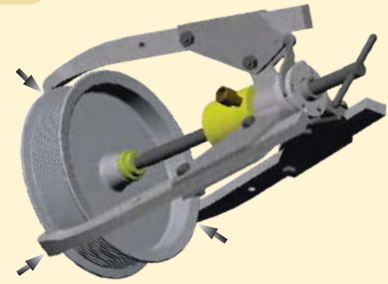
Detachable Hollow Cylinder: provided with all hydraulic puller models including both the standard Sync Grip and Cross Puller.



In Sync Grip, Cross Bearing and Master Puller Sets a hose and gauge are provided as standard along with your choice of pump including manual hand operated, cordless battery powered, electric or air powered. In each case the pump selection has been optimized for compatibility with the pullers.



Easy To Use



Simple, Safe, Productive

All three jaws close simultaneously making the puller easier and safer to operate.

The synchronous feature of the SGM and SGH-Series Pullers makes positioning the puller simple and helps prevent misalignment.

▼ DIMENSIONAL DATA

Cross Puller Dimensions (in)			Wt.**
Standard Leg Height	Long Leg Height	Maximum Spread	(lbs)
A	A	B	
Mechanical Pullers			
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—
Hydraulic Pullers			
4.17	14.06	10.24	40.77
4.53	22.44	13.58	76.04
8.07	27.95	17.32	123.42
23.97	34.01	22.83	250.15

Bearing Separator Dims. (in)				Wt.
Dia.	Spread Range		Thread Size	(lbs)
A	Min. Spread	Max. Spread	C	
A	B	B	C	
Mechanical Pullers				
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
Hydraulic Pullers				
4.33	0.39	4.33	5/8" - 18 UNF	6.0
6.10	0.47	5.28	5/8" - 18 UNF	12.6
10.24	0.67	9.84	1" - 14 UNS	62.8
10.24	0.67	9.84	1-1/4" - 12 UNF	62.8

Bearing Cup Dimensions (in)							Wt.
Spread Range				Jaw Tip			(lbs)
Height	Height	Min. Spread	Max. Spread	Height	Width	Thickness	
A	B	C	C	D	E	F	
Mechanical Pullers							
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
Hydraulic Pullers							
4.53	9.33	1.57	5.71	0.20	0.18	1.22	4.41
5.51	10.47	1.26	6.30	0.18	0.18	0.98	5.29
5.91	12.20	2.36	9.45	0.31	0.43	2.17	13.22
5.91	12.20	2.36	9.45	0.31	0.43	2.17	14.11

** With cylinder and standard legs

▼ Shown: **SGM10** with three jaws



SGM Series

Puller Capacity:

1-20 tons

Maximum Reach:

4.1-23.6 inches

Maximum Spread:

4.3-26.8 inches

- Sync Grip mechanism synchronizes movement of all jaws for simultaneous engagement, helping to prevent misalignment for safe and easy use
- Threaded spindle and jaw indexes provide adjustable reach
- Three-jaw configuration for even load distribution
- Two-jaw configuration for confined access applications available on all pullers 10 ton and below (not available on SGM20)
- High-strength forged jaws for superior reliability
- Suitable for a variety of applications including bearings, bushings, wheels, gears and pulleys



Dimensions

Dimensional information for all puller models is included in the dimensional overview table:

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WARNING!

Do not exceed 50% of the rated puller capacity when using two jaw configurations.

▼ SGM10 with two jaws.



▼ DIMENSIONAL DATA

Puller Capacity (ton)	Puller Model No.	Dimensions (in)		Weight (lbs)	Long Jaw Sets Model No.*	Dimensions (in)	
		Max. Reach A	Max. Spread B			Max. Reach A	Max. Spread B
1	SGM01	4.13	4.33	1.8	—	—	—
4	SGM04	7.28	6.89	4.4	—	—	—
7	SGM07	8.86	9.45	14.3	—	—	—
10	SGM10	16.14	13.78	32.0	SG1002K	19.29	15.94
20	SGM20	23.62	26.77	122.3	SG3002K	25.20	28.35

* Jaw sets include three jaws.

Hydraulic Sync Grip Master Puller Sets

▼ Shown: **MPS14H**



MPS Series

Puller Capacity:

14-50 tons

Maximum Reach:

12.6-27.6 inches

Maximum Spread:

13.8-38.6 inches

Maximum Operating Pressure:

10,000 psi

- Sync Grip mechanism synchronizes movement of all jaws for simultaneous engagement
- Hydraulically applied pulling force increases pulling capacity reducing operator fatigue
- Standard jaws adjust to accommodate different reach requirements. Optional long jaw sets available for additional reach requirements
- Designed for applications including pulling, pushing and dismounting gears, bearings, bushings, etc.



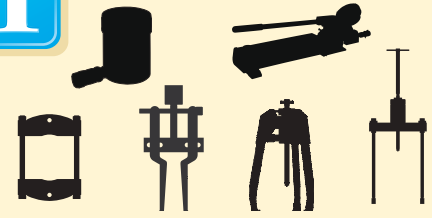
Dimensions

Dimensional information for all puller models is included in the dimensional overview table:

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Sets Include:¹⁾



¹⁾ Choose pump options below.

▼ DIMENSIONAL DATA

Puller Capacity (ton)	Model No. (Puller and Cylinder)	Stroke (in)	Dimensions (in)		Wt. (lbs)	Hydraulic Puller Sets					Long Jaw Sets Model No. ^{***}	Dimensions (in)	
			Max. Reach A	Max. Spread B		Hand Pump	Air Pump	Electric Pump	Cordless Pump	All Sets Include:		Max. Reach A	Max. Spread B
14	SGH14	1.0	12.60	13.78	55.1	MPS14H	MPS14A	MPS14E	MPS14C	*	SG1002K	15.75	15.94
24	SGH24	2.0	12.60	18.90	108.0	MPS24H	MPS24A	MPS24E	MPS24C	GA45GC	SG2002K	17.13	21.26
36	SGH36	2.5	16.14	25.59	165.3	MPS36H	MPS36A	MPS36E	MPS36C	&	SG3002K	20.67	28.35
50**	SGH64	3.0	27.56	38.58	363.7	MPS64H	MPS64A	MPS64E	MPS64C	HC7206C	SG6002K	33.46	42.52

* 14-ton sets include an AR-630 female coupler, GA45 gauge adaptor, and G2535L gauge.

** Puller capacity at 7,850 psi, maximum cylinder capacity @ 10,000 psi is 64.6 tons.

*** Jaw sets include three jaws.

For 115 V application add "B" suffix
For 230 V application add "E" suffix

▼ Shown: **GPS14H**



GPS Series

Puller Capacity:

14-50 tons

Maximum Reach:

12.6-27.6 inches

Maximum Spread:

13.8-38.6 inches

Maximum Operating Pressure:

10,000 psi

- Sync Grip mechanism synchronizes movement of all jaws for simultaneous engagement
- Hydraulically applied pulling force increases pulling capacity and reduces operator fatigue
- Threaded spindle and jaw indexes provide adjustable reach
- Three-jaw configuration for even load distribution
- High-strength forged jaws for superior reliability
- The versatile puller set facilitates safe and easy dismantling in a variety of applications



Dimensions

Dimensional information for all puller models is included in the dimensional overview table:

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Sets Include:¹⁾



¹⁾ Choose pump options below.

▼ DIMENSIONAL DATA

Puller Capacity (ton)	Model No. (Puller and Cylinder)	Stroke (in)	Dimensions (in)		Wt. (lbs)	Hydraulic Puller Sets					Long Jaw Sets Model No. ^{***}	Dimensions (in)	
			Max. Reach A	Max. Spread B		Hand Pump	Air Pump	Electric Pump	Cordless Pump	All Sets Include:		Max. Reach A	Max. Spread B
14	SGH14	1.0	12.60	13.78	55.1	GPS14H	GPS14A	GPS14E	GPS14C	*	SG1002K	15.75	15.94
24	SGH24	2.0	12.60	18.90	108.0	GPS24H	GPS24A	GPS24E	GPS24C	GA45GC	SG2002K	17.13	21.26
36	SGH36	2.5	16.14	25.59	165.3	GPS36H	GPS36A	GPS36E	GPS36C	&	SG3002K	20.67	28.35
50**	SGH64	3.0	27.56	38.58	363.7	GPS64H	GPS64A	GPS64E	GPS64C	HC7206C	SG6002K	33.46	42.52

* 14-ton sets include an AR-630 female coupler, GA45 gauge adaptor, and G2535L gauge.

** Puller capacity at 7,850 psi, maximum cylinder capacity @ 10,000 psi is 64.6 tons.

*** Jaw sets include three jaws.

For 115 V application add "B" suffix
For 230 V application add "E" suffix

Cross-Bearing Puller Sets

▼ Shown: Cross-Bearing Puller Set BHP361G



- Precise hydraulic control allows fast, efficient and safe pulling
- High-quality forged components provide superior reliability and service
- Quick set-up to tackle a variety of jobs

BHP Series

Puller Capacity:

7-25 tons

Maximum Reach:

14.1-34 inches

Maximum Spread:

10.2-22.8 inches

Maximum Operating Pressure:

10,000 psi



WARNING!

Enerpac cylinder and pump can be operated to 10,150 psi, but should not be operated past 5,075 psi when using the cross bearing puller set tools.



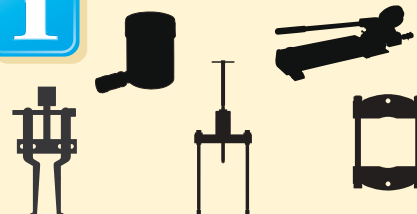
Dimensions

Dimensional information for all puller models is included in the dimensional overview table:

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Sets Include:¹⁾



¹⁾ Choose pump options below.

▼ DIMENSIONAL DATA

Puller Capacity* (ton)	Cross-Bearing Only Model No.	Stroke (in)	Dimensions (in)		Cross Bearing Puller Sets			
			Maximum Reach A	Maximum Spread B	Hand Pump	Air Pump	Electric Pump	Cordless Pump
7	BHP1772	1.0	14.06	10.24	BHP162	BHP162A	BHP162E	BHP162C
12	BHP262	2.0	22.44	13.58	BHP261G	BHP261GA	BHP261GE	BHP261GC
18	BHP362	2.5	27.95	17.32	BHP361G	BHP361GA	BHP361GE	BHP361GC
25	BHP562	3.0	34.01	22.83	BHP561G	BHP561GA	BHP561GE	BHP561GC

* Cross Puller, Bearing Cup Puller and Bearing Separator rated at 50% of Grip Puller capacity.

For 115 V application add "B" suffix
For 230 V application add "E" suffix

▼ Shown from left to right: EP-206, EP-108



For Safer and Faster Pulling

- Patented “Safety Cage” jaw retention system
- Roll threaded shafts for less effort when applying high torque
- Slim tapered jaws for improved gripping in tight spots
- Available in 2 and 3 jaw design and inside and outside pulling configuration
- More efficient pulling, as one man can do the job where manual pullers often require two operators



Long Jaws

Long Jaws are used to increase the reach and spread of manual pullers. They maintain the same pulling capacity as the standard jaws, but reduces clamping force by 25%.

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Shaft Attachments

Shaft protectors and extenders are live centers that fit over the standard puller shaft for tip protection and additional reach.

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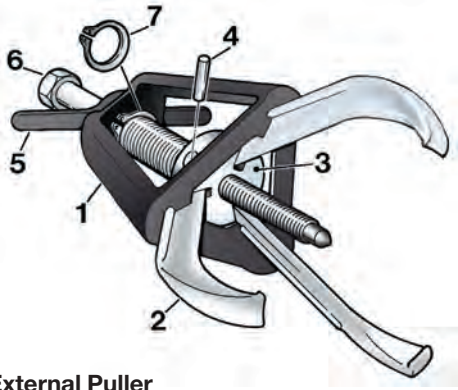
Application Tip

Because of the unique Safety Cage design, Posi Lock® pullers will grip on surfaces where normal pullers would slip off; e.g. tapered bearings.



◀ Positioning an EP-104, 3-jaw puller on the drive pulley of an electric motor.

Posi Lock® Mechanical Grip Pullers



External Puller

- 1 Patented "Safety Cage" guides jaws, holding them securely onto the part.
- 2 Durable forged jaws provide positive grip.
- 3 Jaw head provides pivot and reaction point for jaws.
- 4 Pin, for easy jaw removal and replacement.
- 5 T-handle provides control of the puller jaws.
- 6 Drive bolt with rolled threads for increased force with reduced input torque.
- 7 Snap-ring retains cage to drive bolt and provides quick removal for easy service.

EP EPP Series



Capacity:
2-40 tons

Maximum Reach:
4.00-14.00 inches

Spread Range:
0.50-25.00 inches

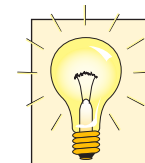
▼ QUICK SELECTION CHART EXTERNAL PULLERS

For full technical information see next page.

Number of Jaws	Maximum Reach (in)	Spread Range (in)	Capacity (tons)	Model Number	Center Bolt Diameter (in)	Weight (lbs)
2	4.00	.5-5	2	EP-204	.56	3
3	4.00	.5-5	5	EP-104	.56	4
2	6.00	.5-7.0	6	EP-206	.66	7
3	6.00	.5-7.0	10	EP-106	.66	8
2	8.00	.75-12	12	EP-208	.79	12
3	8.00	.75-12	17	EP-108	.79	14
2	9.67	1.0-15	14	EP-210	.79	13
3	9.67	1.0-15	20	EP-110	.79	16
2	12.00	2.5-18	25	EP-213	1.17	38
3	12.00	2.5-18	30	EP-113	1.17	44
2	14.00	3.0-25	35	EP-216	1.23	57
3	14.00	3.0-25	40	EP-116	1.23	68



Always wear Safety Goggles and Gloves while using pullers.



Application Tip

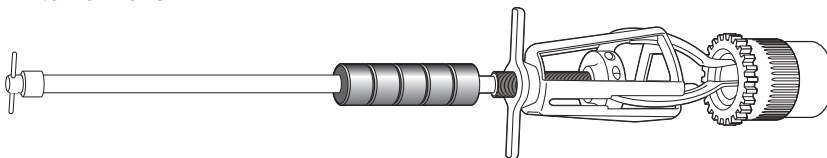
In determining the correct manual puller capacity for your application, use the following rule:

The center bolt diameter of the puller should be at least 1/2 the diameter of the shaft being pulled on.

Example:

A part being pulled from a shaft with a diameter of 1.5" would require a puller with a center bolt diameter of at least .75".

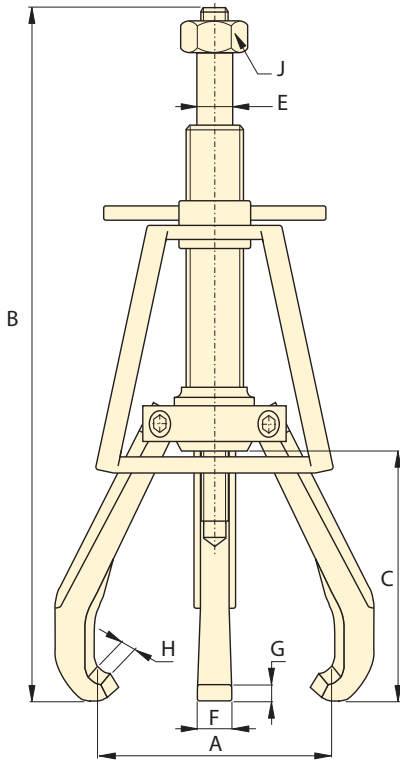
Internal Puller



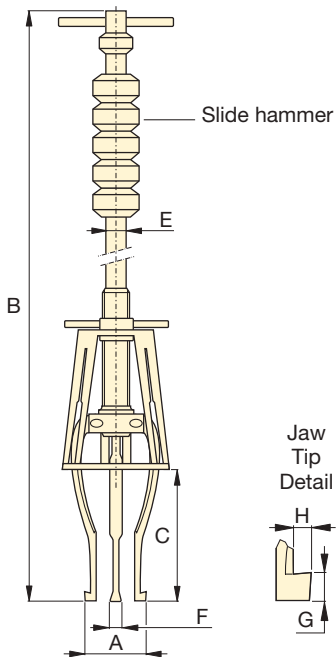
▼ QUICK SELECTION CHART INTERNAL PULLERS

For full technical information see next page.

Number of Jaws	Maximum Reach (in)	Spread Range (in)	Jaw Style	Model Number	Jaw Length (in)	Weight (lbs)
3	5.87	.56-4.00	Standard	EPPMI-6	6.62	8.6
	7.70	1.0-5.25	Long		8.62	8.6



**2- and 3-Jaw External Puller
EP-Series**



Internal Puller EPPMI-Series



▲ EP-204 2-jaw puller positioned to pull a water pump drive pulley.

▼ **SELECTION CHART EXTERNAL PULLERS**

Number of Jaws	Maximum Reach (in)	Spread Range (in)	Capacity (tons)	Model Number	Center Bolt Diameter (in)	Maximum Torque (ft.lb)
2	4.00	.5-5.0	2	EP-204	.56	20
3	4.00	.5-5.0	5	EP-104	.56	40
2	6.00	.5-7.0	6	EP-206	.66	75
3	6.00	.5-7.0	10	EP-106	.66	130
2	8.00	.75-12.0	12	EP-208	.79	150
3	8.00	.75-12.0	17	EP-108	.79	220
2	9.67	1.0-15.0	14	EP-210	.79	175
3	9.67	1.0-15.0	20	EP-110	.79	275
2	12.00	2.5-18.0	25	EP-213	1.17	475
3	12.00	2.5-18.0	30	EP-113	1.17	600
2	14.00	3.0-25.0	35	EP-216	1.23	800
3	14.00	3.0-25.0	40	EP-116	1.23	850

▼ **SELECTION CHART INTERNAL PULLERS**

Number of Jaws	Maximum Reach (in)	Spread Range (in)	Jaw Style	Model Number	Jaw Length (in)	Slide-hammer Weight (lbs)
3	5.87	.56-4.00	Standard	EPPMI-6	6.62	2.5
	7.70	1.00-5.25	Long		8.62	2.5

Posi Lock® Mechanical Grip Pullers



Shaft Protectors and Extenders

Shaft Protectors and Extenders are live centers that fit over the puller end for tip protection and added reach.



Long Jaws

Long Jaws are used to increase the reach and spread of manual pullers. They maintain the same pulling capacity as the standard jaws, but reduces clamping force by 25%.

EP EPP Series



Capacity:

2-40 tons

Maximum Reach:

4.00-14.00 inches

Spread Range:

0.50-25.00 inches

Length (in)	Diameter (in)	Increases Center Bolt Length (in)	Order: Model Number
1.00	0.75	0.38	EPP-4
1.97	0.75	1.50	EPX-4
1.22	0.87	0.50	EPP-6
1.97	0.87	1.50	EPX-6
1.22	1.00	0.50	EPP-10
1.97	1.00	1.50	EPX-10
2.00	1.38	0.83	EPP-1316

Note: See the chart below to reference matching pullers for these accessories.

Spread (in)	Reach (in)	Order: Model Number
1.5-15	9.67	EP-11054
1.5-22	15.78	EP-11054L
1.5-30	20	EP-11354L
1.0-5.26	8.62	EP-10554L*

* EPPMI-6 only

Dimensions								Model Number	Optional Accessories		
Spread Range	Overall Length	Maximum Reach	Center Bolt Diameter	Jaw Width	Tip Clearance	Tip Depth	Hex Socket Size				
A	B	C	E	F	G	H	J		Shaft Protectors	Extenders	Long Jaws
.5-5.0	9.68-12.75	4.00	.56	.54	.16	.18	7/8	EP-204	EPP-4	EPX-4	-
.5-5.0	9.68-12.75	4.00	.56	.54	.16	.18	7/8	EP-104	EPP-4	EPX-4	-
.5-7.0	12.75-18.75	6.00	.66	.75	.32	.24	1 1/16	EP-206	EPP-6	EPX-6	-
.5-7.0	12.75-18.75	6.00	.66	.75	.32	.24	1 1/16	EP-106	EPP-6	EPX-6	-
.75-12.0	16.25-24.25	8.00	.79	.77	.25	.36	1 1/4	EP-208	EPP-10	EPX-10	EP-11054
.75-12.0	16.25-24.25	8.00	.79	.77	.25	.36	1 1/4	EP-108	EPP-10	EPX-10	EP-11054
1.0-15.0	19.25-29.00	9.67	.79	.77	.25	.36	1 1/4	EP-210	EPP-10	EPX-10	EP-11054L
1.0-15.0	19.25-29.00	9.67	.79	.77	.25	.36	1 1/4	EP-110	EPP-10	EPX-10	EP-11054L
2.5-18.0	26.00-38.00	12.00	1.17	1.25	.50	.38	1 11/16	EP-213	EPP-1316	-	EP-11354L
2.5-18.0	26.00-38.00	12.00	1.17	1.25	.50	.38	1 11/16	EP-113	EPP-1316	-	EP-11354L
3.0-25.0	31.50-45.50	14.00	1.23	1.44	.53	.46	1 13/16	EP-216	EPP-1316	-	-
3.0-25.0	31.50-45.50	14.00	1.23	1.44	.53	.46	1 13/16	EP-116	EPP-1316	-	-

Note: Overall length (B) is dependent on position of center bolt.

Dimensions (in)							Model Number
Spread Range	Overall Length	Maximum Reach	Slide Rod Diameter	Jaw Width	Tip Clearance	Tip Depth	
A	B	C	E	F	G	H	
.56-4.00	29.00	5.87	.52	.33	.12	.06	EPPMI-6
1.00-5.25	31.00	7.70	.52	.33	.30	.18	



Always wear Safety Goggles and Gloves while using pullers.

▼ Shown: EPHR-110



- Patented “Safety Cage” jaw retention system
- High force hydraulic system for effortless pulling of large components
- Slim tapered jaws for better gripping in tight spots
- Available in 2 and 3 jaw design
- More efficient pulling, as one man can do the job where normal pullers often require two operators

High-Tech Pulling



Transport and Store

Conveniently store and transport hydraulic pullers and accessories. Order the **EPT-2550** Storage Cart and make your job easier to do!



Long Jaws

Long Jaws are used to increase the reach and spread of hydraulic pullers. They maintain the same pulling capacity as the standard jaws, but reduces clamping force by 25%.

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Application Tip

Because of the unique safety cage design, Posi Lock® pullers will grip on surfaces where normal pullers would slip off; e.g. tapered bearings.

▼ An EPH-113 hydraulic Posi Lock® puller easily removes machined parts from a heavy-production press.



Basic Pullers only, cylinder not included.

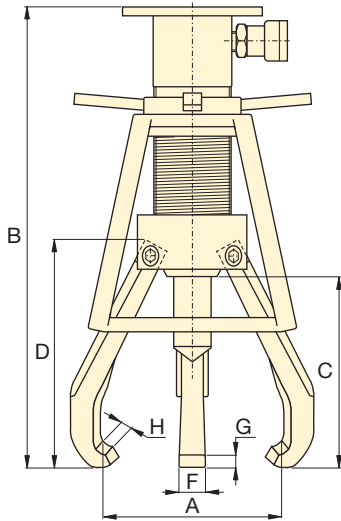
Number of Jaws	Maximum Spread	Spread Range	Capacity	Model Number*
	(in)	(in)		
2	12.00	.75-12.0	10	EPH-208
3	12.00	.75-12.0		EPH-108
2	15.00	1.0-15.0	15	EPH-210
3	15.00	1.0-15.0		EPH-110
2	18.00	2.5-18.0	25	EPH-213
3	18.00	2.5-18.0		EPH-113
2	25.00	3.0-25.0	50	EPH-216
3	25.00	3.0-25.0		EPH-116

*Cylinder is not included.

Posi Lock® Hydraulic Grip Pullers

▼ SETS SELECTION CHART

Style	Capacity (ton)	Basic Puller	Cylinder	Stroke (in)	Pump Set	Set Model Number	Weight (lbs)
2 Jaw Puller	10	EPH-208	RC-106	6	-	EPHR208	24
	10	EPH-208	RC-106	6	EP-1	EPHS208	60
	15	EPH-210	RC-1510	10	-	EPHR210	49
	15	EPH-210	RC-1510	10	EP-1	EPHS210	85
	25	EPH-213	RC-2514	14.25	-	EPHR213	98
	25	EPH-213	RC-2514	14.25	EP-1	EPHS213	118
	50	EPH-216	RC-5013	13.25	-	EPHR216	192
50	EPH-216	RC-5013	13.25	EP-2	EPHS216	212	
3 Jaw Puller	10	EPH-108	RC-106	6	-	EPHR108	26
	10	EPH-108	RC-106	6	EP-1	EPHS108	62
	15	EPH-110	RC-1510	10	-	EPHR110	52
	15	EPH-110	RC-1510	10	EP-1	EPHS110	88
	25	EPH-113	RC-2514	14.25	-	EPHR113	106
	25	EPH-113	RC-2514	14.25	EP-1	EPHS113	126
	50	EPH-116	RC-5013	13.25	-	EPHR116	202
	50	EPH-116	RC-5013	13.25	EP-2	EPHS116	222



EPH Series



Capacity:

10-50 tons

Maximum Reach:

8.0-14.0 inches

Spread Range:

0.75-25.0 inches

Maximum Operating Pressure:

10,000 psi




Pump Sets

All Posi Lock Hydraulic Puller Sets that include 115 VAC pumps will feature the following components:

	EP-1 Pump Set	EP-2 Pump Set
Pump	PUJ-1200B	ZE3208MB
Hose	HC-9210	HC-9210
Gauge	G-2535L	G-2535L
Adapter	N/A	GA-3

Components for 230 VAC pumps are available on request.

▼ *Optional Accessory

Dimensions (in)							Weight (lbs)	Model Number			
Spread Range	Overall Length	Max. Reach	Jaw Length	Jaw Width	Tip Clearance	Tip Depth					
A	B	C	D	F	G	H					
.75-12.0	19.61	8.00	9.34	.88	.29	.27	14	EPH-208	EPH-155	EPH-11052	EP-11054
.75-12.0	19.61	8.00	9.34	.88	.29	.27	16	EPH-108	EPH-155	EPH-11052	EP-11054
1.0-15.0	26.19	10.00	10.64	1.00	.441	.36	22	EPH-210	EPH-155	EPH-11052	EPH-11054L
1.0-15.0	26.19	10.00	10.64	1.00	.441	.36	25	EPH-110	EPH-155	EPH-11052	EPH-11054L
2.5-18.0	33.31	12.00	13.72	1.25	.508	.38	47	EPH-213	EPH-257	EPH-11352	EPH-11354L
2.5-18.0	33.31	12.00	13.72	1.25	.508	.38	55	EPH-113	EPH-257	EPH-11352	EPH-11354L
3.0-25.0	36.19	14.00	16.29	1.44	.598	.46	90	EPH-216	EPH-508	EPH-11652	-
3.0-25.0	36.19	14.00	16.29	1.44	.598	.46	100	EPH-116	EPH-508	EPH-11652	-

For full details on puller accessories see page 170.

* Long Jaws are available as optional accessories.

EPH Series



Capacity:
10-50 tons

Maximum Reach:
9.7-20.0 inches




Spread Range:
1.5-30.0 inches



IMPORTANT!

Always wear Safety Goggles and Gloves while using pullers.

▼ RAM POINT SETS SELECTION CHART

Fits Model Number	EPH-208 EPH-108 EPH-210 EPH-110	EPH-213 EPH-113	EPH-216 EPH-116
			
Set Number	EPH-155	EPH-257	EPH-508
Set Includes	Dia. x Length (in)	Dia. x Length (in)	Dia. x Length (in)
Flat Ram Point	1 x 1	1.5 x 2.25	2 x 3
	1 x 3	2 x 2.25	2.75 x 3
	–	2 x 4	2.75 x 5
Tapered Ram Point	1 x 1.5	1.5 x 2.5	2 x 3.75
	1 x 3.5	2 x 2.5	2 x 3.75
	–	2 x 4.5	2.75 x 5.5
Ram Point Adaptor	–	–	2.75 x 2.25

▼ LIFT PLATE SELECTION CHART

Fits Puller Set Model Number	Model Number *	Thickness (in)	Diameter (in)
EPH-208	EPH-11052	.25	6
EPH-108	EPH-11052	.25	6
EPH-210	EPH-11052	.25	6
EPH-110	EPH-11052	.25	6
EPH-213	EPH-11352	.38	8
EPH-113	EPH-11352	.38	8
EPH-216	EPH-11652	.38	10
EPH-116	EPH-11652	.38	10



* Mounting screws included. Lifting plates are standard included with EPH-Series Pullers.

▼ LONG JAW SELECTION CHART

Fits Puller Set Model Number	Model Number	No. of Jaws Required	Spread Range (in)	Max. Reach (in)	Wt. (each) (lbs)
EPH-208	EP-11054	2	2.25 - 15.0	9.7	2.5
EPH-108		3			
EPH-210	EPH-11054L	2	1.5 - 22.0	15.8	5.5
EPH-110		3			
EPH-213	EPH-11354L	2	1.5 - 30.0	20.0	10.5
EPH-113		3			



◀ EPH-11054L

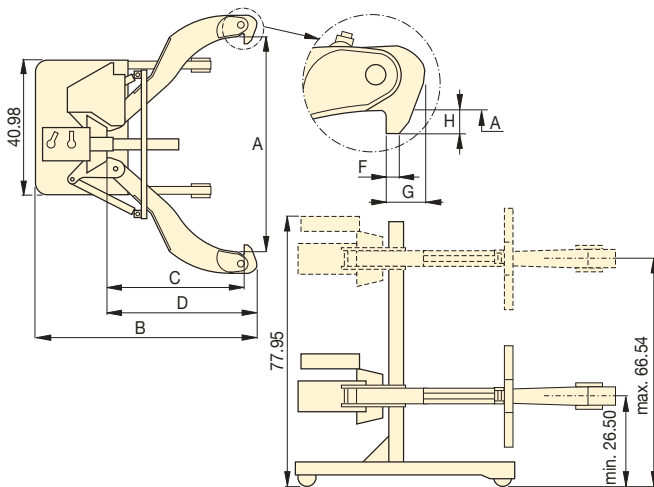
Long Jaws are used to increase the reach and spread of hydraulic pullers. They maintain the same pulling capacity as the standard jaws, but reduces clamping force by 25%.

Posi Lock® 100-Ton Hydraulic Grip Pullers

▼ EPH-1003



- Roller cart with power lift
- Adjustable jaw tips
- Puller easily detaches from cart
- Self-contained unit
- Puller height range 26.5" to 66.5"



EPH Series

Capacity:

100 tons

Maximum Reach:

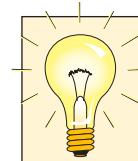
48 inches

Spread Range:

7.5 - 70 inches

Maximum Operating Pressure:

10,000 psi



Pushing Adaptors

All Posi Lock 100 Ton Hydraulic Pullers include (3) pushing adaptors.

Diameter (in)	Overall Length (in)	Model Number
3.5	29	EPHT-1162
3.5	19	EPHT-1163
3.5	9	EPHT-1164



▲ The EPH-1002 quickly and easily removes this drive coupler from its shaft.

Number of Jaws	Max. Spread (in)	Capacity (tons)	Model Number	Dimensions (in)							Weight (lbs)
				Spread Range	Overall Length	Reach (max.)	Jaw Length	Jaw Width	Tip Clearance	Tip Depth	
				A	B	C	D	F	G	H	
2	70.00	100	EPH-1002	7.5-70.0	77.00	48.00	53.00	1.25	3.5	3.5	1700
3	70.00		EPH-1003	7.5-70.0	77.00	48.00	53.00	1.25	3.5	3.5	1950