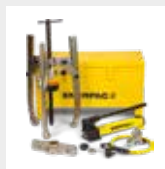


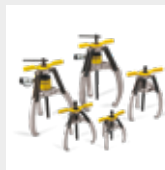
Enerpac offers a complete line of pullers with the widest range of sizes, capacities and styles. Whether your application requires mechanical, hydraulic or the patented Lock-Grip system, Enerpac can satisfy your requirements.

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.



Lock-Grip Pullers

The puller's self-centering closing system allows all jaws to move simultaneously, making it easy for a single operator to mount the puller and to perform the application.



CAUTION!

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



IMPORTANT!

Always wear Safety Goggles and Gloves while using pullers.



When selecting a puller it is important to consider 3 basic specifications:

1. The Capacity:

is 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:

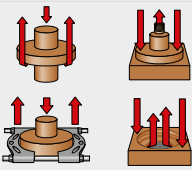
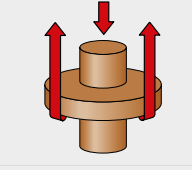
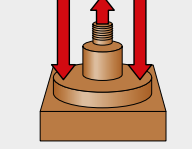
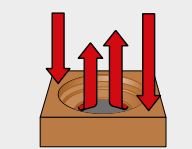
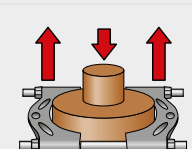
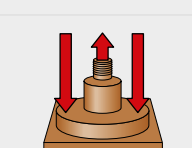
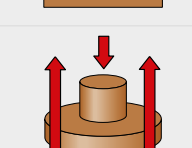
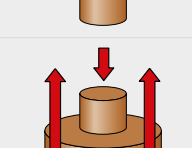
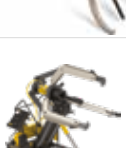
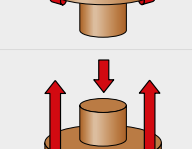
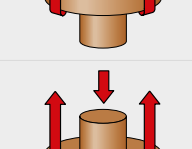
Shaft Diameter	Puller Capacity
0 - 1 inch	14 tons
1 - 2 inches	24 tons
2 - 3.5 inches	36 tons
3.5 - 5.5 inches	50 tons

2. The Reach:

is 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. The Spread:

is 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		Page
	14-50	Master Puller Sets Max. Reach: 27.56 inches Spread Range: 43.30 inches	BHP		158 ►
	14-50	Grip Puller Sets Max. Reach: 27.56 inches Spread Range: 43.30 inches	BHP		159 ►
	7-24	Cross Bearing Puller Sets Max. Reach: 34.00 inches Spread Range: 22.83 inches	BHP		160 ►
	7-25	Bearing Cup Pullers Max. Reach: 5.91 inches Spread Range: 9.45 inches	BHP		161 ►
	7-25	Bearing Separators Max. Spread: 9.84 inches Max. Width: 10.24 inches	BHP		161 ►
	3-40	Mechanical Lock-Grip Pullers Max. Reach: 4.02 - 13.19 in. Spread Range: 5.20 - 25.00 in.	LGM		162 ►
	10-64	Hydraulic Lock-Grip Pullers Max. Reach: 8.46 - 16.06 in. Spread Range: 11.81 - 25.98 in.	LGH		164 ►
	100	100 t Hydraulic Lock-Grip Pullers Max. Reach: 48 in. Max. Spread: 28.74 - 78.15 in.	LGH		168 ►
	40-66	Hydraulic Pin Pullers Max. Pin Length: 3.97 - 11.92 in. Cylinder Stroke: 3.94 in.	PPH		170 ►
	—	Internal Mechanical Puller Max. Reach: 1.77 - 3.11 in. Spread Range: 0.98 - 3.94 in.	IPM		172 ►

▼ Shown: Master Puller Set BHP5751G



Multi Purpose Puller Set



WARNING

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

- Supplied with a full hydraulic set including pump, hose, cylinder, gauge, gauge adaptor and wooden 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 nr. 10, 20, 30 and 40.

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



▼ SELECTION CHART

Master Puller Set Capacity *		14 tons	24 tons	36 tons	50 tons **	Page:
Model Number ►	Set Weight ►	BHP1752 ¹⁾	BHP2751G	BHP3751G	BHP5751G	
Included Hydraulics		82 lbs	198 lbs	380 lbs	657 lbs	
• Hand Pump		P142	P392	P392	P80	78-81 ►
• Cylinder		RWH121900	RCH202	RCH302	RCH603	40 ►
• Saddle		—	HP2015	HP3015	HP5016	41 ►
• Hose		HC7206C	HC7206C	HC7206C	HC7206C	136 ►
• Gauge + Adaptor		GA45GC	GA45GC	GA45GC	GA45GC	150 ►
Included Pullers						
10 Grip Puller		BHP1762	BHP252	BHP352	BHP552	159 ►
20 Cross Bearing Puller		BHP1772	BHP262	BHP362	BHP562	160 ►
30 Bearing Cup Puller		BHP180	BHP280	BHP380	BHP580	161 ►
40 Bearing Separator		BHP181	BHP282	BHP382	BHP582	161 ►
• Case		CM6	CW350	CW350	CW750	

* See warning on this page.

** Puller capacity at 7,850 psi; maximum cylinder capacity at 10,000 psi is 60 tons.

¹⁾ Includes Adaptor FZ1055.

▼ Shown: Grip Puller Set BHP351G



- 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

Reach:

9.92 - 27.56 inches

Spread:

9.84 - 43.30 inches

Maximum Operating Pressure:

10,000 psi

Ordering Example

Model Number BHP251G:

includes Grip Puller BHP252 and a full hydraulic set. (Hand pump, cylinder, saddle, hose, gauge and gauge adaptor).

Model Number BHP252:

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

▼ SELECTION CHART

Grip Puller Set Capacity **		14 tons	24 tons	36 tons	50 tons ***	
Model Number ►		BHP152 ¹⁾	BHP251G	BHP351G	BHP551G	
Included Hydraulics	Set Weight ►	48 lbs	123 lbs	200 lbs	353 lbs	
• Hand Pump		P142	P392	P392	P80	
• Cylinder		RWH121900	RCH202	RCH302	RCH603	
• Saddle		–	HP2015	HP3015	HP5016	
• Hose		HC7206C	HC7206C	HC7206C	HC7206C	
• Gauge + Adaptor		GA45GC	GA45GC	GA45GC	GA45GC	
10	Grip Puller	Model Number ►	BHP1762 *	BHP252 *	BHP352 *	BHP552 *
Maximum Spread (inches)	2-jaw		9.84	15.75	23.38	35.43
	3-jaw		9.84	19.68	31.50	43.30
Maximum Reach (inches)	2-jaw		9.92	11.81	15.25	27.56
	3-jaw		9.92	11.81	15.25	27.56
Jaw (inches)	Thickness		0.59	0.79	0.98	1.18
	Width		0.94	1.10	1.50	1.57
Adjusting Screw (inches)	Thread		¾" - 16 UNF	1" - 8 UNC	1¼" - 7 UNC	1½" - 5.5 UNS
	Length		15.75	26.38	31.16	38.39
• Case			CW166	CW166	CW350	CW750

¹⁾ Includes Adaptor FZ1055.

* Grip Puller order number without hydraulics.

** See warning on page 158.

*** Puller capacity at 7,850 psi; maximum cylinder capacity at 10,000 psi is 60 tons.

▼ Shown: Cross Bearing Puller Set BHP361G



BHP Series

Capacity:

7, 12, 18 and 25 tons

Reach:

14.06 - 34.00 inches

Spread:

10.24 - 22.83 inches

Maximum Operating Pressure:

5,000 psi



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

Cross Bearing Puller Sets

			
	Hand Pump	XA11G Air-Hydraulic Foot Pump	PUD1300B Electric Pump
	BHP162	BHP162A	BHP162EB *
	BHP261G	BHP261GA	BHP261GEB *
	BHP361G	BHP361GA	BHP361GEB *
	BHP561G	BHP561GA	BHP561GEB *

* B = 115 V pump. For 230 V change "B" suffix into "E".

▼ SELECTION CHART

Cross Bearing Puller Set Capacity		7 tons	12 tons	18 tons	25 tons
	Model Number ►	BHP162 ¹⁾	BHP261G	BHP361G	BHP561G
Included Hydraulics	Set Weight ►	57 lbs	137 lbs	267 lbs	408 lbs
• Hand Pump		P142	P392	P392	P80
• Cylinder		RWH121900	RCH202	RCH302	RCH603
• Saddle		—	HP2015	HP3015	HP5016
• Hose		HC7206C	HC7206C	HC7206C	HC7206C
• Gauge + Adaptor		GA45GC	GA45GC	GA45GC	GA45GC
20 Cross Bearing Puller ²⁾	Model Number ►	BHP1772	BHP262	BHP362	BHP562
Spread (inches)	Maximum	10.24	13.58	17.32	22.83
	Minimum	4.53	5.51	7.09	8.66
Reach (inches)	Maximum	14.06	22.44	27.95	34.00
Adjusting Screw (inches)	Diameter	¾" - 16 UNF	1" - 8 UNC	1¼" - 7 UNC	1½" - 5.5 UNS
	Length	15.75	26.38	31.10	38.39
Leg (inches)	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 (inches)	Thread	¾" - 16 UNF	¾" - 16 UNF	1" - 14 UNS	1¼" - 12 UNF
Lower Leg Ends (inches)	Thread	⅝" - 18 UNF	⅝" - 18 UNF	1" - 14 UNS	1¼" - 12 UNF
30 Bearing Cup Puller ²⁾	Model Number ►	BHP180	BHP280	BHP380	BHP580
40 Bearing Separator ²⁾	Model Number ►	BHP181	BHP282	BHP382	BHP582
• Wooden Case		CW66	CW166	CW550	CW750

¹⁾ Includes Adaptor FZ1055.

²⁾ Can be ordered separately without hydraulic components, see next page.

Bearing Cup Pullers and Bearing Separators

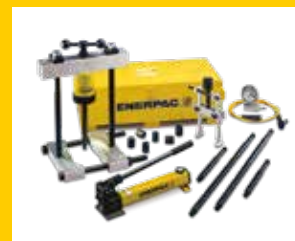
▼ Shown: BHP380



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

Spread Range:
5.71 - 9.84 inches

Maximum Operating Pressure:
5,000 psi

▼ SELECTION CHART

Capacity *		7 tons	12 tons	18 tons	25 tons
30 Bearing Cup Puller					
Model Number ►		BHP180	BHP280	BHP380	BHP580
Spread (inches)	Max.	5.71	6.30	9.45	9.45
	Min.	1.57	1.26	2.36	2.36
Reach (inches)	Max.	4.53	5.51	5.91	5.91
	Min.				
Center Screw	Thread	¾" - 16 UNF	1" - 8 UNC	1¼" - 7 UNC	1½" - 5.5 UNS

* Puller capacity, not attachment capacity. See warning on this page.



WARNING

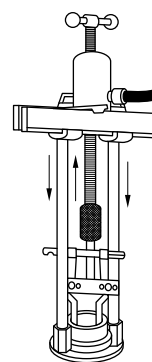
Do not exceed 50% of the rated puller capacity when using a double crosshead (2 grip arms) or when using puller legs in combination with bearing puller attachments.

▼ Shown: BHP382

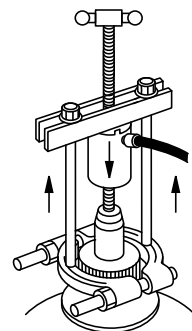


Bearing Separator

- 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 Crosshead Puller Attachment.



Bearing Separator shown with Crosshead Puller Attachment. ▶



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 can be used with the Cross Bearing Puller or the Grip Puller.

▼ SELECTION CHART

Capacity *		7 tons	12 tons	18 tons	25 tons
40 Bearing Puller					
Model Number ►		BHP181	BHP282	BHP382	BHP582
Spread (inches)	Max.	4.33	5.28	9.84	9.84
	Min.	0.39	0.47	0.67	0.67
Width (inches)		4.33	6.10	10.24	10.24
Thread		5/8" - 18 UNF	¾" - 18 UNF	1" - 14 UNS	1¼" - 12 UNF

* Bearing Separator rated at 50% of puller capacity. See warning on this page.

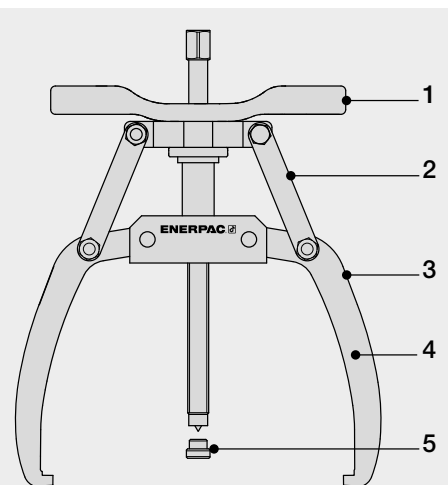
▼ 2 and 3-Jaw Mechanical Lock-Grip Pullers



The simple, safe and cost-effective way to remove shaft-mounted parts

- Quickly and easily mount on a wide range of applications
- Lock-on jaws offer a secure grip for safe and easy operation
- Synchronous jaw movement enables entire pulling job to be performed by a single operator
- Available in 2 and 3-jaw configurations.

▼ Lock-Grip Pullers – the simple, safe and cost-effective way to remove shaft-mounted parts.



1. Convenient adjustment handle simplifies positioning of jaws on application and increases speed of operation.
2. Locking mechanism helps prevent puller jaws from slipping off application during pulling process.
3. Greater spreading width on top portion of jaws enables use on thicker objects.
4. Synchronous jaw movement increases ease of use, allowing one operator to mount the tool and perform the pulling application.
5. Point protector helps prevent damage to spindle when pulling against a flat surface.

Mechanical Lock-Grip Pullers



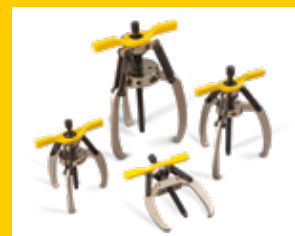
LGM-Series, Lock-Grip Pullers

LGM-Series pullers are an ideal solution for pulling small to medium-size wheels, sprockets, bearings and other similar shaft-mounted parts.

The puller's self-centering closing system allows all jaws to move simultaneously, making it easy for a single operator to mount the puller and to perform the application.

Turning the puller handle locks the jaws onto the application, allowing the desired object to be pulled free when the spindle is turned.

LGM Series



Puller Capacity:

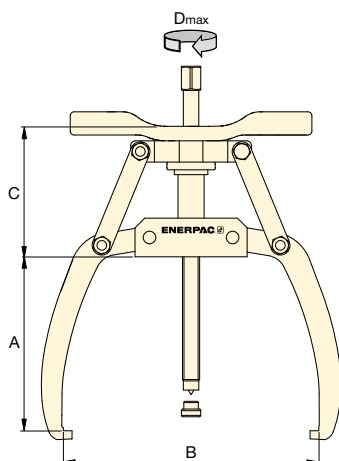
3 - 40 tons

Maximum Reach:

4.02 - 13.19 inches

Maximum Spread:

5.20 - 25.00 inches



Long Jaws are optional accessories and used for added reach and spread.

▼ LONG JAW SELECTION CHART

Long Jaw Model Number *	Use With Puller	Dimensions (in)		(lbs)
		A	B	
LG10L	LGM211	13.26	1.88 - 16.14	4.7
	LGHM18	13.26	1.88 - 16.14	4.7
LG14L	LGM324	16.33	2.18 - 20.30	9.3
LG24L	LGM340	20.47	3.00 - 28.03	20.5

* Model number contains one leg.



IMPORTANT!

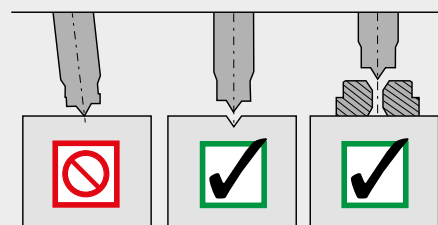
Always wear safety goggles and gloves while using pullers.



Point Protector

LGM-Series Pullers MUST be used with a point protector if the shaft end does not contain a drilled center hole.

One point protector is included with every puller.



▼ SELECTION CHART

Mechanical Puller Model Number	Dimensions (in)				Number of Jaws	Puller Capacity	Maximum Torque	(lbs)	Replacement Point Protector Part Number
	Maximum Reach A	Minimum Spread Diameter B	Maximum Spread Diameter B	C					
LGM203	4.02	1.10	5.20	2.36	2	3	30	3.74	SGM0404
LGM305	4.02	1.10	5.20	2.36	3	5	50	4.62	
LGM204	5.59	1.18	7.32	3.54	2	4	50	5.50	
LGM306	5.59	1.18	7.32	3.54	3	6	74	6.82	
LGM207	6.97	1.38	10.24	5.28	2	7	87	10.78	SGM0704
LGM308	6.97	1.38	10.24	5.28	3	8	99	15.18	
LGM211	8.46	3.31	11.81	4.96	2	11	150	14.74	
LGM318	8.46	4.33	15.35	5.51	3	18	245	21.56	
LGM324	10.43	4.33	18.11	5.51	3	24	327	30.64	LGH14K6
LGM340	13.19	3.94	25.00	7.68	3	40	735	79.37	LGH24K6

▼ 2 and 3-Jaw Hydraulic Lock-Grip Pullers



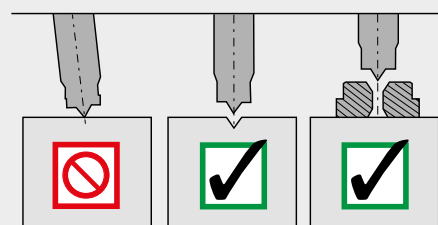
The simple, safe and cost-effective way to remove shaft-mounted parts



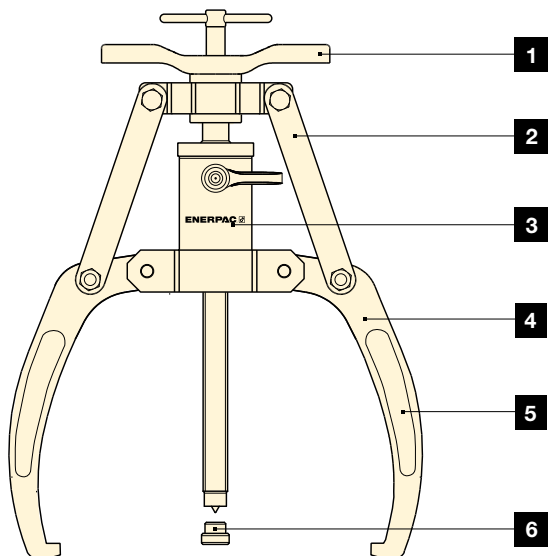
Point Protector

LGH-Series Pullers **MUST** be used with a point protector if the shaft end does not contain a drilled center hole.

One point protector is included with every puller.



- Quickly and easily mount on a wide range of applications
- Hydraulically applied pulling force increases pulling capacity, reducing operator fatigue
- Lock-on jaws offer a secure grip for safe and easy operation
- Synchronous jaw movement enables entire pulling job to be performed by a single operator
- Available in 2 and 3-jaw configurations with or without a detachable hollow cylinder.



1. Convenient adjustment handle simplifies positioning of jaws on application and increases speed of operation.
2. Locking mechanism helps prevent jaws from slipping off application during pulling process.
3. Detachable hollow cylinder offers increased pulling capacity compared to mechanical alternatives.
4. Greater spreading width on jaws enables use on thicker objects.
5. Synchronous jaw movement increases ease of use, allowing one operator to mount the tool and perform the pulling application.
6. Point protector helps prevent damage to spindle when pulling against a flat surface.

Hydraulic Lock-Grip Pullers



LGH-Series, Lock-Grip Pullers

LGH-Series pullers provide the same safety and ease of use as their mechanical counterparts, with the pulling force applied by a standard 10,150 psi hydraulic cylinder.

LGH-Series pullers can apply up to 64 tons of force and are perfect for removing larger shaft-mounted objects up to 26 inches in diameter.

Turning the puller handle locks the jaws onto the application, allowing the desired object to be pulled free when the spindle is turned.

LGH Series



Puller Capacity:

10 - 64 tons

Maximum Reach:

8.46 - 16.06 inches

Maximum Spread:

11.81 - 25.98 inches

Maximum Operating Pressure:

10,150 psi

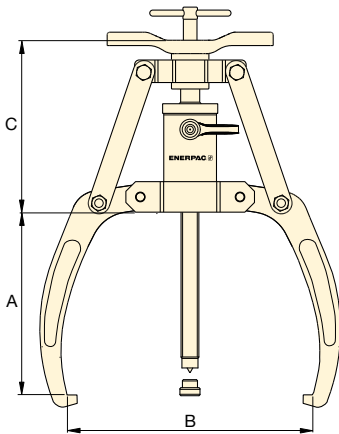


Long Jaws are optional accessories and used for added reach and spread.



IMPORTANT!

Always wear safety goggles and gloves while using pullers.



▼ LONG JAW SELECTION CHART

Long Jaw Model Number *	Use With Puller	Dimensions (in)		(lbs)
		A	B	
LG10L	LGH210	13.26	1.88 - 16.14	4.7
	LGH310			
LG14L	LGH214	16.33	2.18 - 20.30	9.3
	LGH314			
LG24L	LGH224	20.47	3.00 - 28.03	20.5
	LGH324			

* Model number contains one leg.



Hydraulic Pullers

LGH-Series Hydraulic Pullers include puller and hydraulic cylinder.

Hydraulic Puller Sets

LGHS-Series Hydraulic Pullers Sets include hydraulic puller, pump, gauge and HC7206C hydraulic hose.

Choose pump options below.

▼ SELECTION CHART

Hydraulic Puller Model Nr ¹⁾	Dimensions (in)				Number of Jaws	Puller Capacity		Replacement Point Protector Part Number	Hydraulic Puller Sets Model Number		
	Max. Reach	Minimum Spread Diameter	Maximum Spread Diameter								
	A	B	B	C		US tons	(lbs)				
LGH210	8.46	3.31	11.81	7.56	2	10	23	SGM0704	—	—	—
LGH310	8.46	3.31	11.81	7.56	3	10	28	SGM0704	LGHS310H	LGHS310A	LGHS310EB *
LGH214	10.24	4.92	14.96	7.32	2	14	31	LGH14K6	—	—	—
LGH314	10.24	4.92	14.96	7.32	3	14	40	LGH14K6	LGHS314H	LGHS314A	LGHS314EB *
LGH224	13.23	6.50	18.90	12.80	2	24	82	LGH24K6	—	—	—
LGH324	13.23	6.50	18.90	12.80	3	24	104	LGH24K6	LGHS324H	LGHS324A	LGHS324EB *
LGH253	16.06	9.06	25.98	18.62	2	53	244	LGH253K6	—	—	—
LGH364	16.06	9.06	25.98	18.62	3	64	307	LGH253K6	LGHS364H	LGHS364A	LGHS364EB *

¹⁾ Hydraulic puller models include cylinder. To receive puller without cylinder add "NC" after LGH (Example: **LGHNC210**).

* B for 115V applications. For 230V applications change last suffix from B into E. Example **LGHS314EE**.

Master Puller Sets include a hydraulic puller, cylinder, a pump with hose and gauge for standard pulling applications, as well as a selection of accessories designed for work environments where clearance prevents a direct application of the puller jaws.



Lock-Grip Pullers:

All sets come with a hydraulic LGH-Series Puller. Both two jaw and three jaw versions are available.



Detachable Hollow Cylinder:

Provided with all hydraulic pullers as well as the Cross Bearing Puller.



Pump with Hose and Gauge:

Hydraulic Puller Sets and Master Puller Sets are supplied with a hose, gauge, and your choice of a hand, air or electric pump.



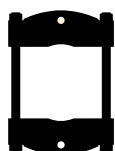
Cross Puller:

Hydraulically powered via a detachable hydraulic cylinder and pump. The Cross Puller can be used individually as a 'push' puller, or in conjunction with the Bearing Separator or Bearing Cup Puller.



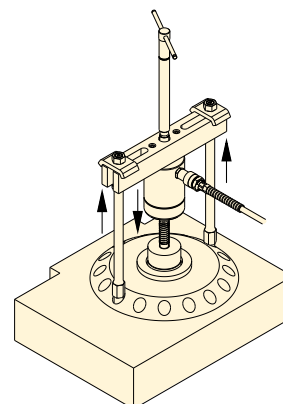
Bearing-Cup Puller:

Specifically designed to pull cup style bearings and other applications requiring an internal style puller.

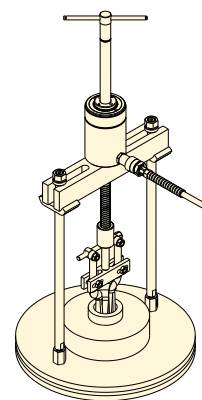


Bearing Separator (used with Cross Bearing Puller):

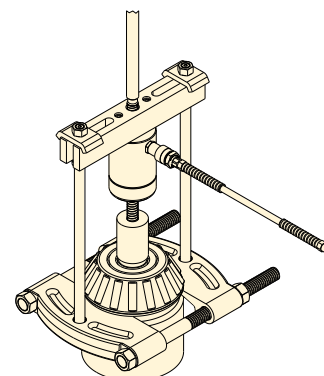
Features narrow edges, which enable puller to be placed behind hard to reach bearings, gears, etc., where limited clearance prevents the direct application of puller arms.



▲ Cross Bearing puller on application



▲ Cross Bearing Puller with Bearing Cup Puller on application



▲ Cross Bearing Puller with Bearing Separator on application

▼ DIMENSIONAL INFORMATION

Model Number	Cross Bearing Puller (in)			
	A	B min.	Thread Size C	(lbs) *
BHP112	11.02	4.53	5/8"-18 UNF	4.40
BHP172	11.02	4.53	5/8"-18 UNF	4.62
BHP272	14.57	5.51	5/8"-18 UNF	5.28
BHP672	24.21	8.66	1 1/4"-12 UNF	14.08

Model Number	Bearing Separator (in)				
	A	B min.	B max.	Thread Size C	(lbs)
BHP181	4.33	0.39	4.33	5/8"-18 UNF	6.16
BHP282	6.14	0.47	5.28	5/8"-18 UNF	12.54
BHP292	7.17	0.51	8.27	5/8"-18 UNF	27.5
BHP682	11.81	0.79	11.81	1 1/4"-12 UNF	95.7

Model Number	Bearing Cup Puller (in)				
	A	B	C min.	C max.	(lbs)
BHP180	5.31	9.29	1.57	5.71	4.4
BHP190	6.46	10.43	1.57	5.71	4.62
BHP280	6.46	10.43	1.57	5.71	5.28
BHP580	5.91	12.20	2.36	9.45	14.08

* With slotted crosshead, cylinder and spindle.

Hydraulic Lock-Grip Master Puller Sets

▼ LGHMS Master Puller Set with Hand Pump Option



- All LGHMS-Series Master Puller Sets include an LGH-Series Hydraulic Puller with 3 jaws, a Cross Puller, a Bearing Separator, a Bearing Cup Puller, a detachable Hollow Cylinder, a hose, a gauge and a pump
- Set options include hand, air or electric pump for an optimal solution to every application.

LGHMS Series

Puller Capacity:

10 - 64 tons

Maximum Reach:

8.46 - 16.06 inches

Maximum Spread:

11.81 - 25.98 inches

Maximum Operating Pressure:

10,150 psi



Puller Dimensions

See dimensional information for LGH-pullers on page 165.

For dimensions of BHP-puller attachments, see page 166.



LGH-Series, Hydraulic Pullers

Hydraulic Pullers include puller and hydraulic cylinder.

LGHMS-Series, Hydraulic Master Puller Sets

Hydraulic Master Pullers Sets include LGH-hydraulic puller, pump, gauge and HC7206C hydraulic hose. Choose pump options below.

▼ LONG JAW SELECTION CHART

Long Jaw Model Number *	Use With Puller	Dimensions (in)		 (lbs)
		A	B	
LG10L	LGH310	13.26	1.88 - 16.14	4.7
LG14L	LGH314	16.33	2.18 - 20.30	9.3
LG24L	LGH324	20.47	3.00 - 28.03	20.5

* Model number contains one leg.



Long Jaws are optional accessories and used for added reach and spread.

▼ SELECTION CHART

Hydraulic Puller Capacity	Hydraulic Master Puller Sets Model Numbers				Master Puller Sets include following components				
					Hydraulic 3-Jaws Puller	Maximum Capacity Accessories	Cross Puller Model Nr.	Bearing Separator Model Nr.	Bearing Cup Puller Model Nr.
US tons	Hand Pump P392 Gauge Ass'y GA45GC	Air Pump XA11G Integrated Gauge	Electric Pump PUD1300B * Gauge G2535L	Hydraulic Hose Model Nr.		US tons			
10	LGHMS310H	LGHMS310A	LGHMS310EB *	HC7206C	LGH310	7	BHP112	BHP181	BHP180
14	LGHMS314H	LGHMS314A	LGHMS314EB *	HC7206C	LGH314	7	BHP172	BHP282	BHP190
24	LGHMS324H	LGHMS324A	LGHMS324EB *	HC7206C	LGH324	12	BHP272	BHP292	BHP280
64	LGHMS364H	LGHMS364A	LGHMS364EB *	HC7206C	LGH364	25	BHP672	BHP682	BHP580

* B = for 115V applications. For 230V applications change last suffix from B into E. Example: LGHMS310EE.



WARNING!

Energac hydraulic pullers can be operated up to 10,150 psi. When using accessories, hydraulic pressure **MUST BE LIMITED** to maximum capacities below.

▼ LGH3100B



The safe and productive way to remove large, shaft mounted components without damage

- Synchronous grip jaw movement for easy alignment of the three jaws while setting it on the workpiece to be removed
- Lock-on jaws offer a secure grip
- Hydraulically applied pulling force increases pulling capacity, improves control of pulling process while reducing operator fatigue
- No need to cut, heat or torch components for removal, resulting in safer work-environment and preventing damage to equipment
- Ergonomic rolling cart with large industrial castor wheels
- Smooth action scissor lift: hydraulically actuated lift cylinder on cart extends puller from center height between 27.5 - 66.1 inches
- Mounted on a stable cart/trolley with a wide base. Includes pockets to provide the option of using a forklift
- Includes ZE3-Series electric two-stage pump with remote pendant for fingertip control of the removal process.



Pushing Adaptors

The LGH3100 Lock-Grip Puller includes 2 pushing adaptors.

Length (in)	Diameter (in)	Model Number
9.84	3.54	LGH100K6
17.72	3.54	LGH100K7



Built-in Gauge

The LGH3100 Lock-Grip Puller's control panel includes a pressure gauge as standard equipment



◀ LGH3100 used to remove rail wheel from axle.

100 tons Hydraulic Lock-Grip Puller



LGH3100, 100 tons Lock-Grip Puller

The LGH3100 is an ideal solution for pulling medium to large size wheels, sprockets, bearings and other similar shaft-mounted parts.

The puller's self-centering closing "Lock-Grip" system allows all jaws to move simultaneously, making it easy for the operator to mount the puller and to perform the application.

LGH3100 is a 3 jaw design which can be converted into a 2 jaw puller for use when clearance is limited.

NOTE: the 2 jaw configuration has a capacity of 70 tons.



IMPORTANT!

Always wear safety goggles and gloves while using pullers.

LGH Series



Capacity:

100 tons

Maximum Reach:

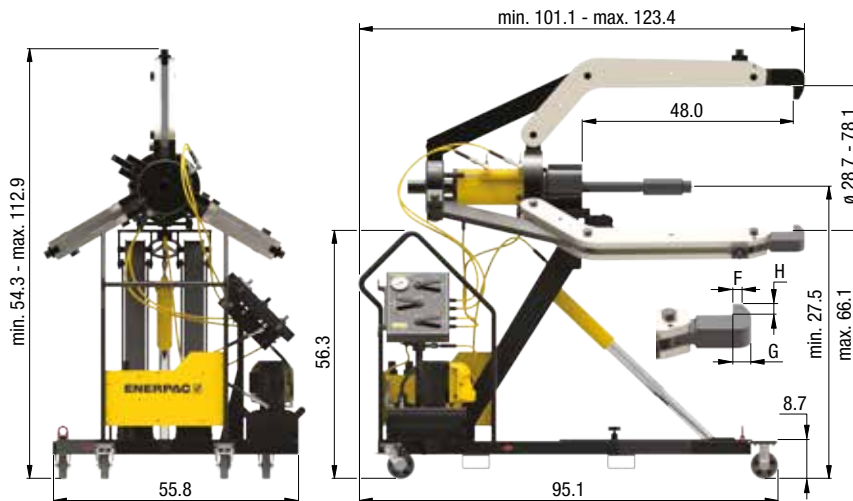
48 inches

Spread Range:

28.7 - 78.1 inches

Maximum Operating Pressure:

10,000 psi



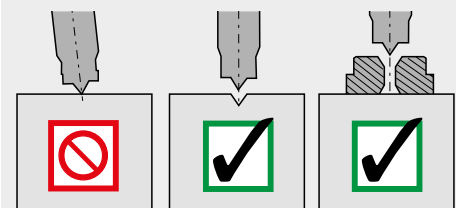
Point Protectors

The pushing cylinder rod needs to use a point protector. If the shaft end does not have a drilled center hole use the point protector with the tip **LGH100K4**.

If the shaft end does not have a drilled center hole use the flat point protector **LGH100K5**.

One of these two protectors has to be used on the cylinder push rod.

Model No.	Description
LGH100K4	Point Protector Kit
LGH100K5	Point Protector Flat Kit



Number of Jaws *	Maximum Reach (in)	Spread Range (in)	Capacity (tons)	Model Number	Electric Pump (V - ph - Hz)	Cylinder Stroke (in)	Jaw Width F (in)	Tip Clearance G (in)	Tip Depth H (in)	(lbs)
3	48	28.74 - 78.15	100	LGH3100E	230 - 1 - 50	10.12	1.20	2.68	3.07	2998
3	48	28.74 - 78.15	100	LGH3100B	115 - 1 - 60	10.12	1.20	2.68	3.07	2998

* Can be converted into a 2 jaw puller for use when clearance is limited. The 2 jaw configuration has a capacity of 70 tons.

▼ PPH40 shown in front and backside



The Revolutionary Hydraulic Pin Removal Kit



Hydraulic Pin Pullers

Enerpac PPH-Series Hydraulic Pin Pulling Kits set a new standard for efficient pin removal during the maintenance of heavy machinery, mining & construction equipment.

The tool incorporates innovative features to make your pin pulling operations faster, safer, and easier to carry out.

Each kit includes an aluminum hydraulic cylinder with an ergonomic grip handle, Locking Column Sections (3x), and a 'Quick Nut' (1x) that makes long and damaged threaded rods * easier to manipulate.

The included lifting eye and shackle attach to multiple lift points to assist with handling such as when the unit is to be used at greater heights.

* Threaded rods not included.

Experience the Future of Pin Removal — Faster, Safer, Simpler

Discover how the PPH-Series can streamline your pin maintenance operations today.

Accelerated Pin Removal for Heavy Machinery & Construction Equipment

- Sets a new standard for efficient pin removal, thanks to innovative features engineered to make pin pulling operations faster, safer, and easier to carry out.

Locked-In Safety and Efficiency

- Ingenious patent-pending design features locking column sections (collars), providing the crucial flexibility to tailor the setup effectively for every task.
- Unique geometry and locking pins make first time alignment and assembly a breeze.
- Spring-loaded locking pins maintain the integrity of the kit and prevent the collars from dangerously dropping.

Secure Handling and Ergonomic Construction

- The innovative Enerpac Quick Nut with effortless one-handed operation excels where regular nuts fail, by significantly reducing run down time and rapidly bypassing damaged threads.
- Lifting eye & shackle and a series of mounting holes enable flexible hoisting and rigging setups.
- Carry case enables comfortable transportation and efficient tool deployment. Ergonomic handle on the cylinder provides better grip and maneuverability.

Surpasses Conventional and DIY Solutions

- Leave behind the cumbersome and risky pin removal methods of the past.
- Innovative design elements outpace both makeshift solutions and existing market offerings. Our tool offers a multitude of advantages in the field.



◀ Excavator maintenance using the PPH40 powered by a SC-Series Cordless Pump.



▼ SPECIFICATIONS & SELECTION

Pull Capacity	Model Number Hydraulic Pin Puller Kit	Single-Acting Cylinder		
		Stroke	Oil Capacity	
(tons)		(in)	(in³)	(lbs)
40	PPH40	3.94	31.18	22.1
66	PPH66	3.94	51.68	48.9

Hydraulic Pin Pullers



Quick Nuts

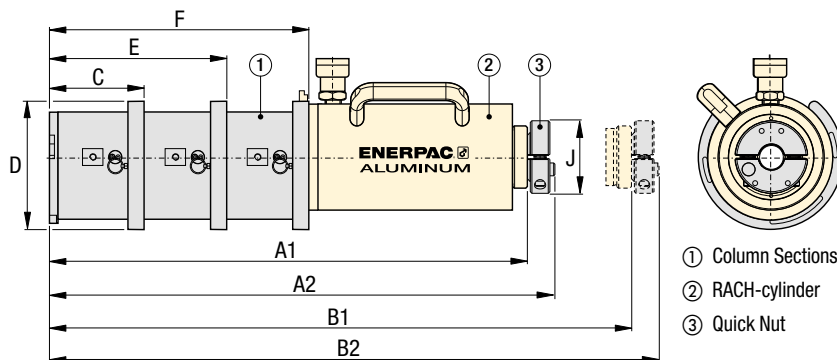
The PPH-Kit also has a quick nut to make pulling larger pins easier and damaged threads easier to manipulate.

Standard included with PPH-Series

Each PPH-Kit includes one Quick Nut:
PPH40: 1 1/4" - 12 UNF (**PPH40Q125U12**)
PPH66: 1 1/2" - 12 UNF (**PPH66Q150U12**).
Other sizes to be purchased separately.

Used with	Internal Thread	Quick Nut Model Number	Outside Diameter (in)	Height (in)	 (lbs)
PPH40	1" - 14 UNS	PPH40Q100U14	3.50	1.66	2.5
	1 1/4" - 12 UNF	PPH40Q125U12 *	3.50	1.66	2.5
	M27 x 3,0	PPH40QM27x30	3.50	1.66	2.5
	M30 x 3,5	PPH40QM30x35	3.50	1.66	2.5
	M33 x 3,5	PPH40QM33x35	3.50	1.66	2.5
PPH66	1 1/2" - 12 UNF	PPH66Q150U12 *	4.33	2.01	5.1
	1 1/4" - 12 UNF	PPH66Q125U12	4.33	2.01	5.1
	M36 x 4,0	PPH66QM36x40	4.33	2.01	5.1
	M48 x 5,0	PPH66QM48x50	4.33	2.01	5.1

* Quick Nut size standard included with PPH-Series.



▼ DIMENSIONS

Pull Capacity (tons)	Model Number	Dimensions (in)								
		Collapsed Height		Extended Height		C	D	E	F	J
		A1	A2	B1	B2					
40	PPH40	22.91	24.21	26.89	28.15	4.48	7.00	8.46	12.44	3.50
66	PPH66	24.80	26.42	28.74	30.35	4.48	9.50	8.46	12.44	4.33

PPH Series



Pull Capacity:

40 - 66 tons

Cylinder Stroke:

3.94 inches

Maximum Pin Length To Be Pulled:

3.97 - 11.92 inches

Maximum Operating Pressure:

10,000 psi



Hydraulic Pumps

Visit Enerpac.com for pumps, hoses and gauges. The following pump series are recommended with PPH-Series.

Pin Puller	Cordless Pumps	Air Pumps	Electric Pumps
PPH40	SC XC2	PATG	ZU4 ZE2
PPH66	- XC2	PATG	ZU4 ZE2



Stackable Column Sections

Each PPH-Kit includes three Column Sections (locking sleeves). Multiple Column Sections can be stacked together depending on the length of the joint pin.

Up to 10 (maximum) Column Sections can be locked together. Additional Column Sections can be ordered separately.

Used with	Description	Model Number
PPH40	40 Tons Column Section	PPH40C
PPH66	66 Tons Column Section	PPH66C

	Column Section Dimensions *					Maximum Pin Length that can be pulled *			Overall Length of Kit with Column Sections and Quick Nut **				Model Number	
	Outside Diameter	Internal Diameter	Side Opening	Height		1x	2x	3x	1x	2x	3x			Kit ***
	(in)	(in)	(in)	(in)		(lbs)	Section (in)	Sections (in)	Sections (in)	Section (in)	Sections (in)			
	7.00	5.00	3.94	4.48	8.3	3.97	7.94	11.92	16.26	20.27	24.21	49.5	PPH40	
	9.50	7.00	5.91	4.48	16.9	3.97	7.94	11.92	18.46	22.44	26.42	104.7	PPH66	

* Maximum of 10 sections can be used with the 40 tons kit and the 66 tons kit. ** Length will increase by 3.97 inches for each additional column section added.

*** Weight with 3 column sections, cylinder and quick nut, weight will increase by the weight of the column section for each additional section added.

▼ IPM3 Internal Mechanical Puller



IPM Series

Maximum Reach:

1.77 - 3.11 inches

Spread Range:

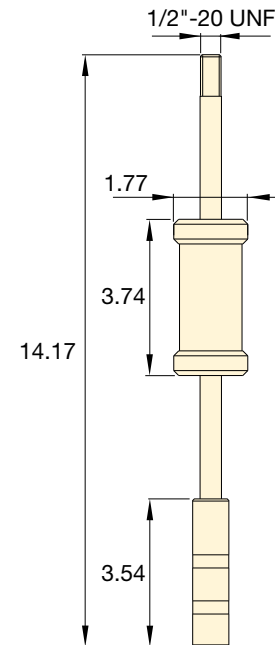
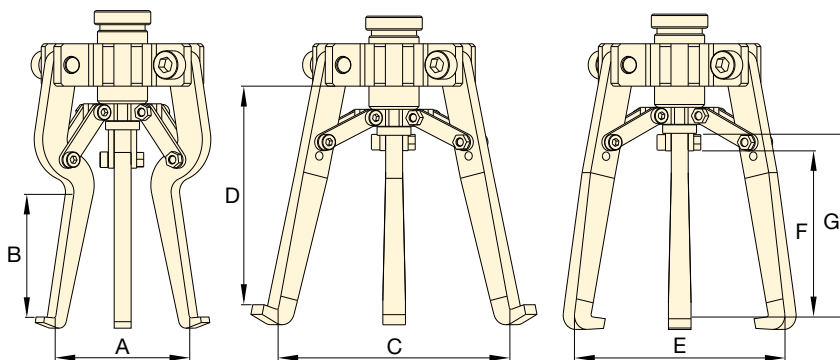
0.98 - 3.94 inches



IMPORTANT!

Always wear Safety Goggles and Gloves while using pullers.

- Remove bearings or other shaft-mounted parts where no spindle support is available
- Slide hammer allows for application of safe, high-impact force
- Jaw design provides secure grip
- Includes two sets of jaws for internal and external pulling applications.



Slide Hammer Dimensions (inch)

▼ DIMENSIONAL DATA

Model Number	Internal Jaw Dimensions (in)			Standard Jaw Dimensions (in)							
	Minimum Spread Diameter	Maximum Spread Diameter	Maximum Reach	Internal Configuration			External Configuration				
				Minimum Spread Diameter	Maximum Spread Diameter	Maximum Reach	Minimum Spread Diameter	Maximum Spread Diameter	Maximum Reach		
	A	A	B	C	C	D	E	E	F	G	(lbs)
IPM3	0.98	2.36	1.77	2.36	3.94	3.11	0.59	2.95	2.16	7.75	4.60