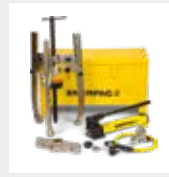


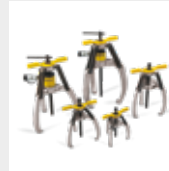
Enerpac offers a complete line of pullers with the widest range of sizes, capacities and styles. Whether your application requires mechanical, hydraulic or the patented Lock-Grip system, Enerpac can satisfy your requirements.

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.



Puller Section Overview

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 0,28 to 0,4 times the shaft diameter in mm. Use the following chart:

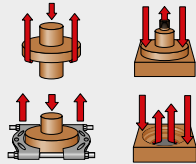
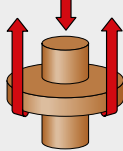
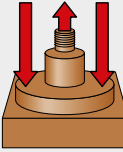
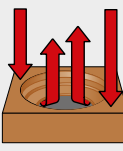
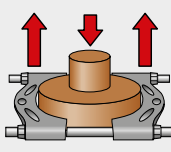
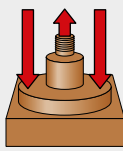
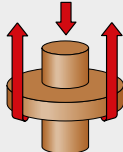
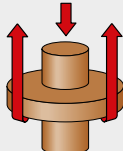
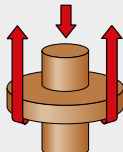
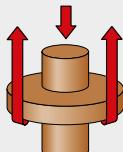
Shaft Diameter	Puller Capacity
0 - 25 mm	13 ton
25 - 50 mm	22 ton
50 - 89 mm	33 ton
89 - 140 mm	45 ton

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 ton	Puller Type	Series		Page
	13-45	Master Puller Sets Max. Reach: 252 - 700 mm Max. Spread: 247 - 1100 mm	BHP		158 ►
	13-45	Grip Puller Sets Max. Reach: 252 - 700 mm Max. Spread: 249 - 1100 mm	BHP		159 ►
	6-22	Cross Bearing Puller Sets Max. Reach: 357 - 864 mm Max. Spread: 260 - 580 mm	BHP		160 ►
	6-22	Bearing Cup Pullers Max. Reach: 115 - 150 mm Max. Spread: 145 - 240 mm	BHP		161 ►
	6-22	Bearing Separators Max. Width: 110 - 260 mm Max. Spread: 110 - 250 mm	BHP		161 ►
	3-40	Mechanical Lock-Grip Pullers Max. Reach: 102 - 335 mm Max. Spread: 132 - 635 mm	LGM		162 ►
	10-64	Hydraulic Lock-Grip Pullers Max. Reach: 215 - 408 mm Max. Spread: 300 - 660 mm	LGH		164 ►
	90,8	100 t Hydraulic Lock-Grip Pullers Max. Reach: 1220 mm Max. Spread: 730 - 1985 mm	LGH		168 ►
	40-66	Hydraulic Pin Pullers Max. Pin Length: 101 - 303 mm Cylinder Stroke: 100 mm	PPH		170 ►
	—	Internal Mechanical Puller Max. Reach: 45 - 79 mm Max. Spread: 25 - 100 mm	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 *		13 ton	22 ton	33 ton	45 ton **	Page:
Model Number ►		BHP1752 ¹⁾	BHP2751G	BHP3751G	BHP5751G	
Included Hydraulics	Set Weight ►	37 kg	90 kg	172 kg	298 kg	
• 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 540 bar; maximum cylinder capacity at 700 bar is 60 ton.

¹⁾ Includes Adaptor FZ1055.

Grip Puller Sets

▼ 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:

13, 22, 33 and 45 ton

Reach:

252 - 700 mm

Spread:

249 - 1100 mm

Maximum Operating Pressure:

700 bar

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 **		13 ton	22 ton	33 ton	45 ton ***
Model Number ►		BHP152 ¹⁾	BHP251G	BHP351G	BHP551G
Included Hydraulics	Set Weight ►	22 kg	56 kg	91 kg	160 kg
• 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 (mm)	2-jaw	249	400	593	899
	3-jaw	249	499	800	1100
Maximum Reach (mm)	2-jaw	252	300	387	700
	3-jaw	252	300	387	700
Jaw (mm)	Thickness	15	20	24	30
	Width	23	27	38	39
Adjusting Screw (mm)	Thread	¾" - 16 UNF	1" - 8 UNC	1¼" - 7 UNC	1⅝" - 5.5 UNS
	Length	400	670	790	975
• Case		CW166	CW166	CW350	CW750

¹⁾ Includes Adaptor FZ1055.

* Grip Puller order number without hydraulics.

** See warning on page 158.

*** Puller capacity at 540 bar; maximum cylinder capacity at 700 bar is 60 ton.

BHP-Series, Cross Bearing Puller Sets

ENERPAC 

▼ Shown: Cross Bearing Puller Set BHP361G



- Precise hydraulic control allows fast, efficient and safe pulling
- High-quality, forged steel components provide superior reliability and service.

BHP Series

Capacity:

6, 11, 16 and 22 ton

Reach:

357 - 864 mm

Spread:

260 - 580 mm

Maximum Operating Pressure:

350 bar



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

Cross Bearing Puller Sets

		
Hand Pump	XA11G Air-Hydraulic Foot Pump	PUD1300E Electric Pump
BHP162 BHP261G BHP361G BHP561G	BHP162A BHP261GA BHP361GA BHP561GA	BHP162EE * BHP261GEE * BHP361GEE * BHP561GEE *

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

▼ SELECTION CHART

Cross Bearing Puller Set Capacity		6 ton	11 ton	16 ton	22 ton
	Model Number ►	BHP162 ¹⁾	BHP261G	BHP361G	BHP561G
Included Hydraulics	Set Weight ►	26 kg	62 kg	121 kg	185 kg
• 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 (mm)	Maximum	260	345	440	580
	Minimum	115	140	180	220
Reach (mm)	Maximum	357	570	710	864
Adjusting Screw	Diameter	¾" - 16 UNF	1" - 8 UNC	1¼" - 7 UNC	1½" - 5.5 UNS
	Length	400	675	795	975
Leg (mm)	Length	105	239	203	609
	Length	357	419	457	863
	Length	–	571	711	–
	Length	–	114	–	–
Upper Leg Ends	Thread	¾" - 16 UNF	¾" - 16 UNF	1" - 14 UNS	1¼" - 12 UNF
Lower Leg Ends	Thread	5/8" - 18 UNF	5/8" - 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		CM6	CW187	CW350	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:

6, 11, 16 and 22 ton

Maximum Reach:

115 - 150 mm

Spread Range:

145 - 240 mm

Maximum Operating Pressure:

350 bar

▼ SELECTION CHART

Capacity *		6 ton	11 ton	16 ton	22 ton
30 Bearing Cup Puller	Model Number ►	BHP180	BHP280	BHP380	BHP580
	Spread (mm)				
	Max.	145	160	240	240
	Min.	40	32	60	60
	Reach (mm)				
	Max.	115	140	150	150
	Center Screw Thread	3/4" - 16 UNF	1" - 8 UNC	1 1/4" - 7 UNC	1 5/8" - 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)

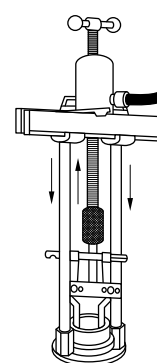
or when using puller legs in combination with bearing puller attachments.

▼ Shown: **BHP382**

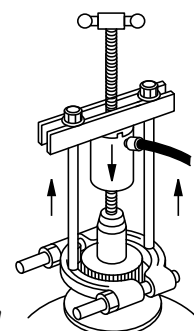


Bearing Separator

- 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 *		6 ton	11 ton	16 ton	22 ton
40 Bearing Puller	Model Number ►	BHP181	BHP282	BHP382	BHP582
	Spread (mm)				
	Max.	110	134	250	250
	Min.	10	12	17	17
	Width (mm)	110	155	260	260
	Thread	5/8" - 18 UNF	3/4" - 18 UNF	1" - 14 UNS	1 1/4" - 12 UNF

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

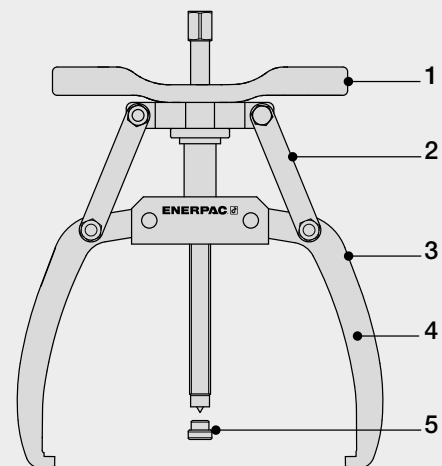
▼ 2 and 3-Jaw Mechanical Lock-Grip Pullers



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



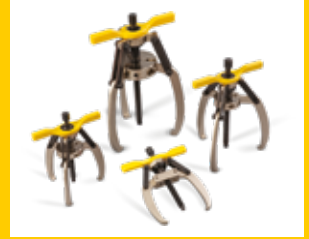
LGM-Series, Lock-Grip Pullers

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:

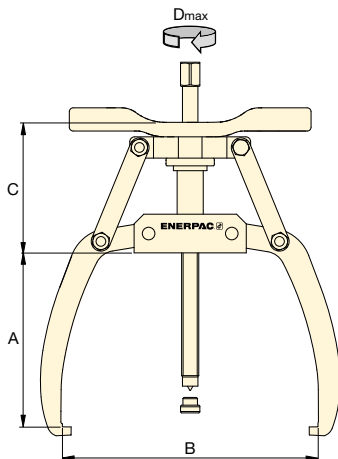
3 - 40 ton

Maximum Reach:

102 - 335 mm

Maximum Spread:

132 - 635 mm



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

▼ LONG JAW SELECTION CHART

Long Jaw Model Number *	Use With Puller	Dimensions (mm)		(kg)
		A	B	
LG10L	LGM211	337	48 - 410	2,1
	LGM318	337	48 - 410	2,1
LG14L	LGM324	415	55 - 516	4,2
LG24L	LGM340	520	77 - 712	9,3

* Model number contains one leg.



IMPORTANT!

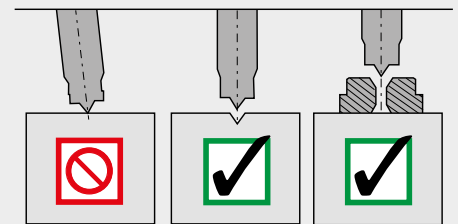
Always wear safety goggles and gloves while using pullers.



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	Maximum Reach	Dimensions (mm)			Number of Jaws	Puller Capacity	Maximum Torque	(kg)	Replacement Point Protector Part Number
		Minimum Spread Diameter B	Maximum Spread Diameter B	C					
LGM203	102	28	132	60	2	3 (27)	41	1,7	SGM0404
LGM305	102	28	132	60	3	5 (45)	68	2,1	
LGM204	142	30	186	90	2	4 (36)	68	2,5	
LGM306	142	30	186	90	3	6 (49)	100	3,1	
LGM207	177	35	260	134	2	7 (62)	117	4,9	SGM0704
LGM308	177	35	260	134	3	8 (71)	134	6,9	
LGM211	215	84	300	126	2	11 (98)	203	6,7	
LGM318	215	110	390	140	3	18 (160)	332	9,9	
LGM324	265	90	460	140	3	24 (214)	443	13,9	LGH14K6
LGM340	335	100	635	210	3	40 (356)	996	36,0	LGH24K6

▼ 2 and 3-Jaw Hydraulic Lock-Grip Pullers

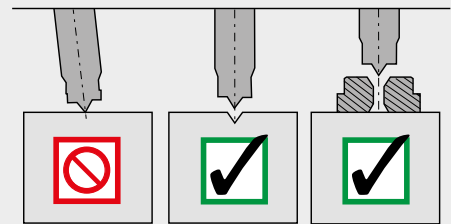


The simple, safe and cost-effective way to remove shaft-mounted parts

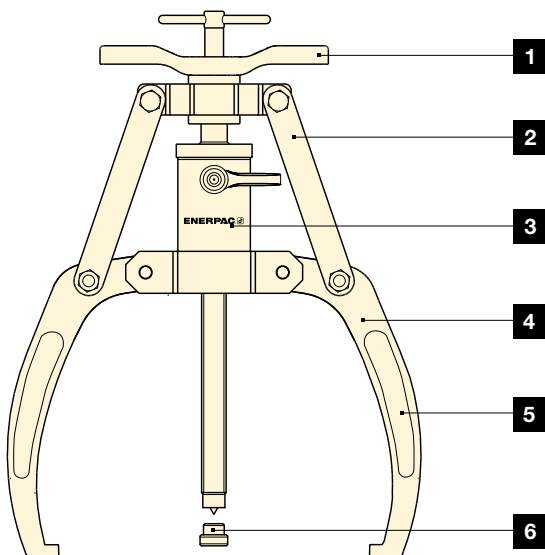


Point Protector

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 700 bar hydraulic cylinder.

LGH-Series pullers can apply up to 64 tons of force and are perfect for removing larger shaft-mounted objects up to 660 mm 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 ton

Maximum Reach:

215 - 408 mm

Maximum Spread:

300 - 660 mm

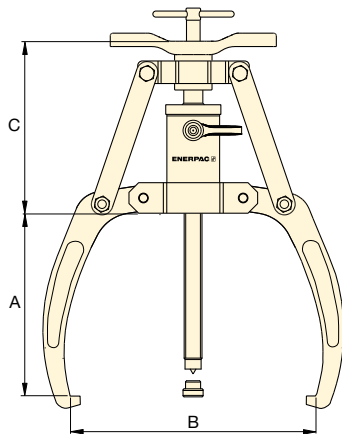
Maximum Operating Pressure:

700 bar



IMPORTANT!

Always wear safety goggles and gloves while using pullers.



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

▼ LONG JAW SELECTION CHART

Long Jaw Model Number *	Use With Puller	Dimensions (mm)		(kg)
		A	B	
LG10L	LGH210	337	48 - 410	2,1
	LGH310			
LG14L	LGH214	415	55 - 516	4,2
	LGH314			
LG24L	LGH224	520	77 - 712	9,3
	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 (mm)				Number of Jaws	Puller Capacity	(kg)	Replacement Point Protector Part Number	Hydraulic Puller Sets Model Number		
	Max. Reach	Minimum Spread Diameter	Maximum Spread Diameter								
	A	B	B	C		US ton (kN)			Hand Pump P392 Gauge Ass'y GA45GC	Air Pump XA11G Integrated Gauge	Electric Pump PUD1300E* Gauge G2535L
LGH210	215	84	300	192	2	10 (92)	10	SGM0704	—	—	—
LGH310	215	84	300	192	3	10 (92)	13	SGM0704	LGHS310H	LGHS310A	LGHS310EE *
LGH214	260	125	380	186	2	14 (125)	14	LGH14K6	—	—	—
LGH314	260	125	380	186	3	14 (125)	18	LGH14K6	LGHS314H	LGHS314A	LGHS314EE *
LGH224	336	165	480	325	2	24 (215)	37	LGH24K6	—	—	—
LGH324	336	165	480	325	3	24 (215)	47	LGH24K6	LGHS324H	LGHS324A	LGHS324EE *
LGH253	408	230	660	473	2	53 (467)	111	LGH253K6	—	—	—
LGH364	408	230	660	473	3	64 (576)	139	LGH253K6	LGHS364H	LGHS364A	LGHS364EE *

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

* E = for 230V applications. For 115V applications change last suffix from E into B. Example **LGHS314EB**.

Hydraulic Lock-Grip Master Puller Sets



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.



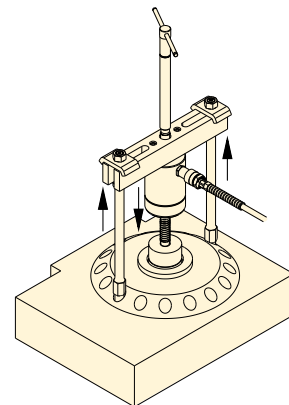
Bearing-Cup Puller:

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

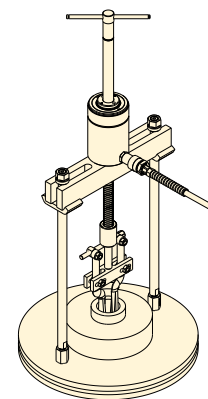


Bearing Separator (used with Cross Bearing Puller):

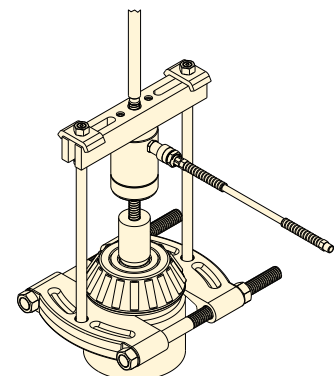
Features narrow edges, which enable puller to be placed behind hard to reach bearings, gears, etc., where limited clearance prevents the direct application of puller arms.



▲ 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 (mm)			
	A	B min.	Thread Size C	
BHP112	280	115	5/8"-18 UNF	2,0
BHP172	280	115	5/8"-18 UNF	2,1
BHP272	370	140	5/8"-18 UNF	2,4
BHP672	615	220	1 1/4"-12 UNF	6,4

Model Number	Bearing Separator (mm)				
	A	B min.	B max.	Thread Size C	
BHP181	110	10	110	5/8"-18 UNF	2,8
BHP282	156	12	134	5/8"-18 UNF	5,7
BHP292	182	13	210	5/8"-18 UNF	12,5
BHP682	300	20	300	1 1/4"-12 UNF	43,5

Model Number	Bearing Cup Puller (mm)				
	A	B	C min.	C max.	
BHP180	135	236	40	145	2,0
BHP190	164	265	40	145	2,0
BHP280	164	265	40	145	2,4
BHP580	150	310	60	240	6,4

* 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.

▼ LONG JAW SELECTION CHART

Long Jaw Model Number *	Use With Puller	Dimensions (mm)		 (kg)
		A	B	
LG10L	LGH310	337	48 - 410	2,1
LG14L	LGH314	415	55 - 516	4,2
LG24L	LGH324	520	77 - 712	9,3

* 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 ton (kN)	Hand Pump P392 Gauge Ass'y GA45GC	Air Pump XA11G Integrated Gauge	Electric Pump PUD1300E* Gauge G2535L	Hydraulic Hose Model Nr.		US ton (kN)			
10 (92)	LGHMS310H	LGHMS310A	LGHMS310EE *	HC7206C	LGH310	7 (75)	BHP112	BHP181	BHP180
14 (125)	LGHMS314H	LGHMS314A	LGHMS314EE *	HC7206C	LGH314	7 (75)	BHP172	BHP282	BHP190
24 (215)	LGHMS324H	LGHMS324A	LGHMS324EE *	HC7206C	LGH324	12 (107)	BHP272	BHP292	BHP280
64 (576)	LGHMS364H	LGHMS364A	LGHMS364EE *	HC7206C	LGH364	25 (227)	BHP672	BHP682	BHP580

* E = for 230V applications. For 115V applications change last suffix from E into B. Example: **LGHMS310EB**.

LGHMS Series

Puller Capacity:

10 - 64 ton

Maximum Reach:

215 - 408 mm

Maximum Spread:

300 - 660 mm

Maximum Operating Pressure:

700 bar



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.



WARNING!

Enerpac hydraulic pullers can be operated up to 700 bar. When using accessories, hydraulic pressure **MUST BE LIMITED** to maximum capacities below.

▼ LGH3100E



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 699 - 1679 mm
- 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 (mm)	Diameter (mm)	Model Number
250	90	LGH100K6
450	90	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 ton Hydraulic Lock-Grip Puller



LGH3100, 100 ton 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 ton (622 kN).



IMPORTANT!

Always wear safety goggles and gloves while using pullers.

LGH Series



Capacity:

90,8 ton (931 kN)

Maximum Reach:

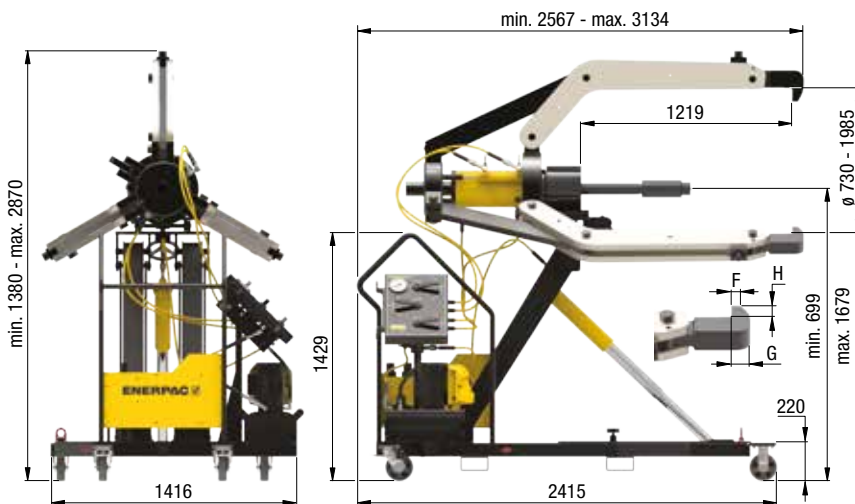
1220 mm

Spread Range:

730 - 1985 mm

Maximum Operating Pressure:

700 bar



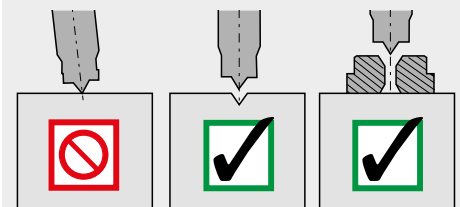
Point Protectors

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 Nr.	Description
LGH100K4	Point Protector Kit
LGH100K5	Point Protector Flat Kit



Number of Jaws *	Maximum Reach (mm)	Spread Range (mm)	Capacity ton (kN)	Model Number	Electric Pump (V - ph - Hz)	Cylinder Stroke (mm)	Jaw Width F (mm)	Tip Clearance G (mm)	Tip Depth H (mm)	Weight (kg)
3	1220	730 - 1985	90,8 (931)	LGH3100E	230 - 1 - 50	257	30,6	68	78	1360
3	1220	730 - 1985	90,8 (931)	LGH3100B	115 - 1 - 60	257	30,6	68	78	1360

* Can be converted into a 2 jaw puller for use when clearance is limited. The 2 jaw configuration has a capacity of 70 ton (622 kN).

▼ PPH40 shown in front and backside



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.



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 aluminium 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.

▼ SPECIFICATIONS & SELECTION

Pull Capacity	Model Number Hydraulic Pin Puller Kit	Single-Acting Cylinder		
		Stroke	Oil Capacity	
ton (kN)		(mm)	(cm ³)	(kg)
40 (356)	PPH40	100	511	10,0
66 (587)	PPH66	100	847	22,0

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 (mm)	Height (mm)	 (kg)
PPH40	1" - 14 UNS	PPH40Q100U14	89	42	1,1
	1 1/4" - 12 UNF	PPH40Q125U12 *	89	42	1,1
	M27 x 3,0	PPH40QM27x30	89	42	1,1
	M30 x 3,5	PPH40QM30x35	89	42	1,1
	M33 x 3,5	PPH40QM33x35	89	42	1,1
PPH66	1 1/2" - 12 UNF	PPH66Q150U12 *	110	51	2,3
	1 1/4" - 12 UNF	PPH66Q125U12	110	51	2,3
	M36 x 4,0	PPH66QM36x40	110	51	2,3
	M48 x 5,0	PPH66QM48x50	110	51	2,3

* Quick Nut size standard included with PPH-Series.

PPH Series



Pull Capacity:

40 - 66 ton (356 - 587 kN)

Cylinder Stroke:

100 mm

Maximum Pin Length To Be Pulled:

101 - 303 mm

Maximum Operating Pressure:

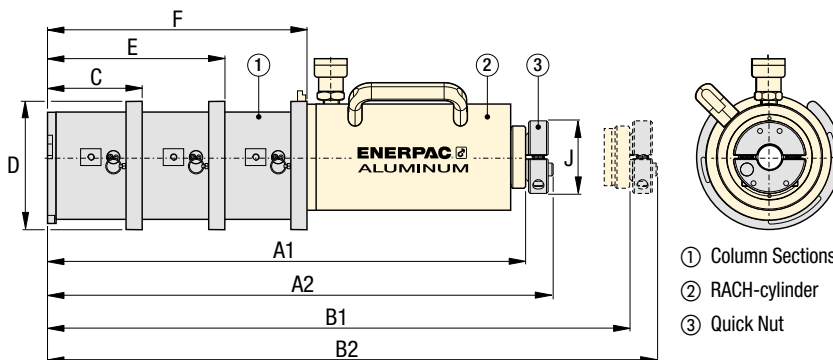
700 bar



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



▼ DIMENSIONS

Pull Capacity ton (kN)	Model Number	Dimensions (mm)								
		Collapsed Height		Extended Height		C	D	E	F	J
		A1	A2	B1	B2					
40 (356)	PPH40	582	615	682	715	114	178	215	316	89
66 (587)	PPH66	630	671	730	771	114	241	215	316	110



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 ton Column Section	PPH40C
PPH66	66 ton Column Section	PPH66C

Outside Diameter (mm)	Column Section Dimensions *					Maximum Pin Length that can be pulled *			Overall Length of Kit with Column Sections and Quick Nut **				Model Number
	Internal Diameter (mm)	Side Opening (mm)	Height (mm)	(kg)		1x Section (mm)	2x Sections (mm)	3x Sections (mm)	1x Section (mm)	2x Sections (mm)	3x Sections (mm)	Kit *** (kg)	
178	127	100	114	3,8		101	202	303	413	514	615	22,5	PPH40
241	178	150	114	7,7		101	202	303	469	570	671	47,5	PPH66

* Maximum of 10 sections can be used with the 40 ton kit and the 66 ton kit.

** Length will increase by 101 mm 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

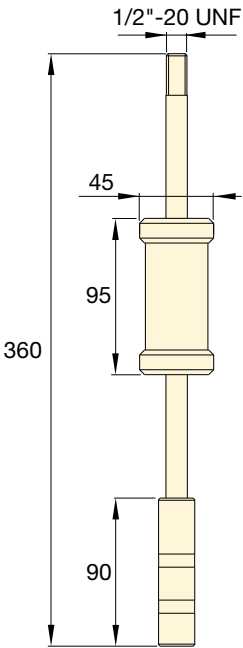
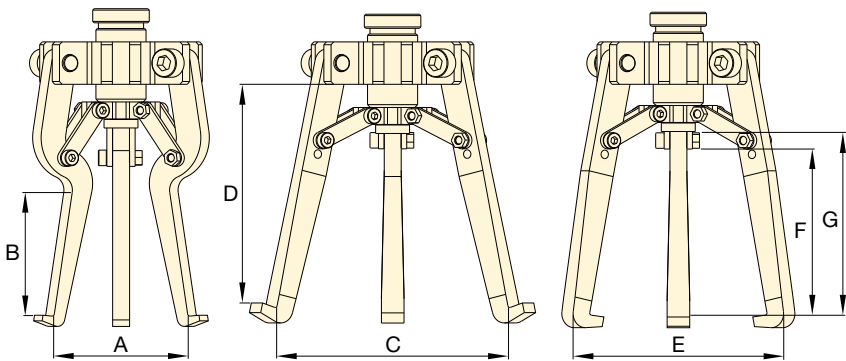
Maximum Reach:
45 - 79 mm

Spread Range:
25 - 100 mm



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 (mm)

▼ DIMENSIONAL DATA

Model Number	Internal Jaw Dimensions (mm)			Standard Jaw Dimensions (mm)							
	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	(kg)
IPM3	25	60	45	60	100	79	15	75	55	70	1,9