



POSI LOCK® Puller Products

POSI LOCK has you covered
from 1 to 100 tons



1.800.533.5761
www.posilock.com

MADE IN THE USA

IDC-USA®

www.IDC-USA.com
Independent Distributor Cooperative-USA

Safety, quality, ease of use...
you'll find it all when you look to POSI LOCK to meet your pulling needs.

THE CAGE IS THE KEY®

The POSI LOCK® line of quality manual gear and bearing pullers sets a new standard for quickness, ease and convenience. POSI LOCK offers a complete line of 2- and 3-jaw pullers ranging from 1- to 40-ton capacity. In addition to the complete line of pullers, accessory items are available, including long jaws for added reach as well as spread and specialty pullers.

With POSI LOCK, it's strictly a one-man operation. The T-handle and Cage® control the jaws at all times. This means that the opening, closing, locking and aligning of the jaws is all done automatically by simply turning the T-handle.

The exclusive POSI LOCK Safety Cage design, coupled with the power of hydraulic components, provides effortless pulling of gears, bearings, pulleys, sprockets, wheels and other press-fit parts. Ranging in capacity from 5 to 100 tons, POSI LOCK pullers are designed for use in a variety of industries where equipment and machinery pose tough maintenance challenges.

« POSI LOCK MANUAL GEAR AND BEARING PULLERS »

Nut recessed to avoid mushrooming and disfiguration from impact

Cage to guide jaws for fast set-up, solid contact and superior safety

Center bolt threads designed for less effort to apply high torque

T-handle locks jaw opening precisely where you set it

Leverage up front for vise-like power and no slippage

Hardened tip

Slim tapered jaws allow for easier gripping and better access to tight spots

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.

CAPACITY TONS	NO. OF JAWS	JAW REACH	JAW SPREAD	POSILOCK MODEL NO.
1	3	2.25" (57.2mm)	.25" to 3.25" (6.4mm to 82.6mm)	102
2	3	3" (76.2mm)	.25" to 4.5" (6.4mm to 114.3mm)	103
5	3	4" (102mm)	.5" to 5" (13mm to 127mm)	104
10	3	6" (152mm)	.5" to 7" (13mm to 178mm)	106
17	3	8" (203mm)	.75" to 12" (19mm to 305mm)	108
20	3	9.67" (246mm)	1" to 15" (25mm to 381mm)	110
30	3	12" (305mm)	2.5" to 18" (64mm to 457mm)	113
40	3	14" (356mm)	3" to 25" (76mm to 635mm)	116
1	2	2.25" (57.2mm)	.25" to 3.25" (6.4mm to 82.6mm)	202
2	2	3" (76.2mm)	.25" to 4.5" (6.4mm to 114.3mm)	203
2	2	4" (102mm)	.5" to 5" (13mm to 127mm)	204
6	2	6" (152mm)	.5" to 7" (13mm to 178mm)	206
12	2	8" (203mm)	.75" to 12" (19mm to 305mm)	208
14	2	9.67" (246mm)	1" to 15" (25mm to 381mm)	210
25	2	12" (305mm)	2.5" to 18" (64mm to 457mm)	213
35	2	14" (356mm)	3" to 25" (76mm to 635mm)	216

REMEMBER: OPERATOR SAFETY COMES FIRST!



A significant amount of force can be exerted with a puller. Respect this force and observe safety precautions at all times.

The puller that meets the challenge

www.POSILOCK.com

Visit the **PRODUCTS** section of our web site for more information and product selection charts regarding puller sets and individual puller component parts.

<< POSI LOCK HYDRAULIC GEAR AND BEARING PULLERS >>

POSI LOCK hydraulic pullers eliminate time-consuming and unsafe hammering, heating or prying. Damage to parts is minimized through the use of controlled hydraulic power.

Lift plate conveniently transports puller and protects hydraulic components

High-flow couplers allow oil to flow quickly

Extra-tough hoses are rubber coated with two layers of braided steel

Single-acting cylinders feature spring return plunger



Patented Cage guides jaws for fast set-up, solid contact and superior safety

T-handle opens and closes jaws

Glycerin-filled gauges provide shock damping of all pressure-sensing parts

Slim, tapered jaws provide better gripping in tight spots

REMEMBER:
OPERATOR
SAFETY
COMES FIRST!



Hydraulic power is one of the safest methods for applying force when used correctly! Below we have provided several common-sense rules which pertain to hydraulic pullers.

DO NOT touch or handle hydraulic hoses or fittings with pressure in the system.

DO NOT make or break any hydraulic connection with pressure in the system.

DO NOT make any electrical adjustments with electrical power active in the system.

DO NOT operate hose with sharp bends or kinks. Discard kinked or otherwise damaged hose.

APPLICATION TIP

Be sure the set-up is rigid and that the puller is square with the work. POSI LOCK Cage design pullers provide automatic self-alignment.

<< FOR SAFER AND FASTER PULLING >>

New Standard for Quickness, Ease and Convenience

POSI LOCK® offers a complete line of manual and hydraulic two and three-jaw pullers.

- Manual pullers: 1-40 ton capacity
- Hydraulic pullers: 5-100 ton capacity

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"	10 ton
1" to 2"	20 ton
2" to 3.5"	30 ton
3.5" to 5.5"	50 ton

2. Reach:

The distance between the bottom of the base and the jaws 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.



Sprocket removal from shaft. (Model PHES-110)



Hub removal from shaft. (Model PHES-116)



A 50-ton hydraulic puller easily removes the main drive gear from this metal forming brake press.



A 100 ton puller hydraulic puller quickly and easily removes this drive sheave from its shaft.



Tapered jaw design allows clamping "around" bearing for a perfect pull (Model 104)



Clutch removal (Model 204)



Remove failed ball bearing by clamping in the ball groove of bearing race (Model 106)



Gear removal from machine (Model 110)



Removing armature bearings, pulleys and couplings in electric motor repair (Model 106)



Drive sprocket removal (Model 116)



Pilot bearing removal from crankshaft (Model PM16)



Always wear safety goggles and gloves while using pullers.

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