

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



- 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.



## For Safer and Faster Pulling



### 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 reduce 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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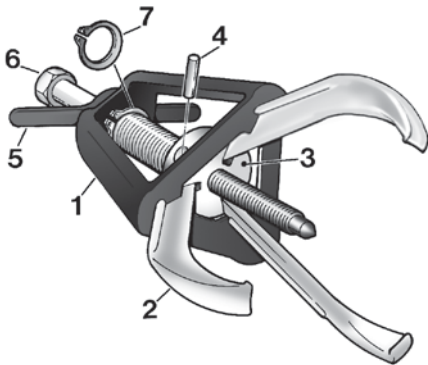
### Application Tip

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 Posi Lock® Pullers



- 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 ton**

Maximum Reach:


**101 - 355 mm**

Spread Range:

**12 - 635 mm**

## ▼ QUICK SELECTION CHART EXTERNAL PULLERS

For quick technical information see next page.

| Number of Jaws | Maximum Reach | Spread (min. - max.) | Capacity        | Model Number  | Center Bolt Diameter |  (kg) |
|----------------|---------------|----------------------|-----------------|---------------|----------------------|--|
|                | (mm)          |                      |                 |               |                      |  |
| 2              | 101           | 12 - 127             | <b>2</b> (17)   | <b>EP-204</b> | 14                   | 1,4  |
| 3              | 101           | 12 - 127             | <b>5</b> (45)   | <b>EP-104</b> | 14                   | 1,8  |
| 2              | 152           | 12 - 178             | <b>6</b> (53)   | <b>EP-206</b> | 16                   | 3,2  |
| 3              | 152           | 12 - 178             | <b>10</b> (89)  | <b>EP-106</b> | 16                   | 3,6  |
| 2              | 203           | 19 - 304             | <b>12</b> (106) | <b>EP-208</b> | 20                   | 5,4  |
| 3              | 203           | 19 - 304             | <b>17</b> (151) | <b>EP-108</b> | 20                   | 6,4  |
| 2              | 245           | 25 - 381             | <b>14</b> (124) | <b>EP-210</b> | 20                   | 5,9  |
| 3              | 245           | 25 - 381             | <b>20</b> (178) | <b>EP-110</b> | 20                   | 7,3  |
| 2              | 304           | 63 - 457             | <b>25</b> (222) | <b>EP-213</b> | 29                   | 17,2   |
| 3              | 304           | 63 - 457             | <b>30</b> (267) | <b>EP-113</b> | 29                   | 20,0   |
| 2              | 355           | 76 - 635             | <b>35</b> (311) | <b>EP-216</b> | 31                   | 25,8   |
| 3              | 355           | 76 - 635             | <b>40</b> (356) | <b>EP-116</b> | 31                   | 30,8   |



### IMPORTANT!

Always wear Safety Goggles and Gloves while using pullers.



### Application Tip

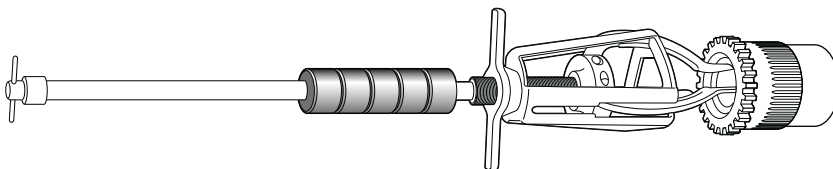
In determining the correct manual puller capacity for your application, use the following rule:

The center bolt diameter of the puller should be at least ½ the diameter of the shaft being pulled on.


### Example:

A part being pulled from a shaft with a diameter of 38 mm would require a puller with a center bolt diameter of at least 19 mm.

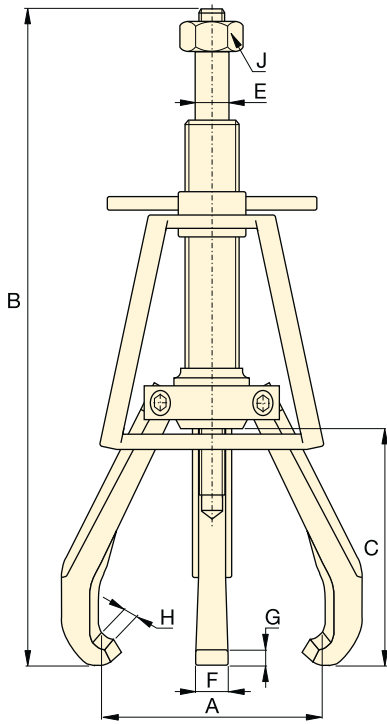
## Internal Posi Lock® Puller



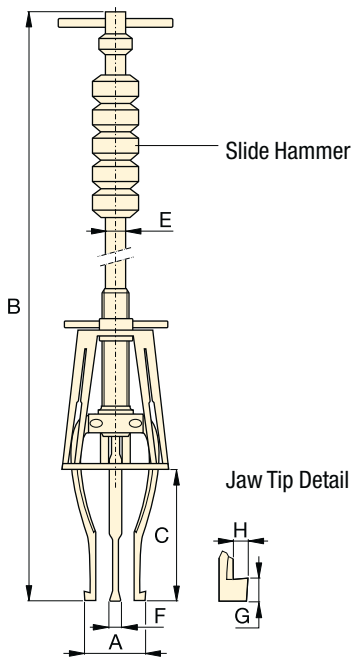
## ▼ QUICK SELECTION CHART INTERNAL PULLERS

| Number of Jaws | Maximum Reach | Spread (min. - max.) | Jaw Style  | Model Number   | Jaw Length |  (kg) |
|----------------|---------------|----------------------|------------|----------------|------------|--|
|                | (mm)          |                      |            |                |            |  |
| 3              | 168           | 14 - 101             | Standard * | <b>EPPMI-6</b> | 168        | 3,9  |
|                | 218           | 25 - 133             | Long *     |                | 218        | 3,9  |

\* Both Standard and Long Jaws are included with EPPMI-6.



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



**Internal Puller  
EPPMI-6**



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

▼ **QUICK SELECTION CHART EXTERNAL PULLERS**

| Number of Jaws | Maximum Reach<br>(mm) | Spread min. - max.<br>(mm) | Capacity<br>ton (kN) | Model Number | Center Bolt Diameter<br>(mm) | Maximum Torque<br>(Nm) |
|----------------|-----------------------|----------------------------|----------------------|--------------|------------------------------|------------------------|
| 2              | 101                   | 12 - 127                   | 2 (17)               | EP-204       | 14                           | 27                     |
| 3              | 101                   | 12 - 127                   | 5 (45)               | EP-104       | 14                           | 54                     |
| 2              | 152                   | 12 - 178                   | 6 (53)               | EP-206       | 16                           | 102                    |
| 3              | 152                   | 12 - 178                   | 10 (89)              | EP-106       | 16                           | 176                    |
| 2              | 203                   | 19 - 304                   | 12 (106)             | EP-208       | 20                           | 203                    |
| 3              | 203                   | 19 - 304                   | 17 (151)             | EP-108       | 20                           | 298                    |
| 2              | 245                   | 25 - 381                   | 14 (124)             | EP-210       | 20                           | 237                    |
| 3              | 245                   | 25 - 381                   | 20 (178)             | EP-110       | 20                           | 373                    |
| 2              | 304                   | 63 - 457                   | 25 (222)             | EP-213       | 29                           | 644                    |
| 3              | 304                   | 63 - 457                   | 30 (267)             | EP-113       | 29                           | 814                    |
| 2              | 355                   | 76 - 635                   | 35 (311)             | EP-216       | 31                           | 1085                   |
| 3              | 355                   | 76 - 635                   | 40 (356)             | EP-116       | 31                           | 1153                   |

▼ **QUICK SELECTION CHART INTERNAL PULLERS**

| Number of Jaws | Maximum Reach<br>(mm) | Spread min. - max.<br>(mm) | Jaw Style  | Model Number | Jaw Length<br>(mm) | Slide-hammer weight<br>(kg) |
|----------------|-----------------------|----------------------------|------------|--------------|--------------------|-----------------------------|
| 3              | 168                   | 14 - 101                   | Standard * | EPPMI-6      | 168                | 1,1                         |
|                | 218                   | 25 - 133                   | Long *     |              | 218                | 1,1                         |

\* Both Standard and Long Jaws are included with EPPMI-6.

# Posi Lock® Mechanical Pullers



## Shaft Attachments

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



## Long Jaws

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

## EP EPP Series



Capacity:

**2 - 40 ton**

Maximum Reach:

**101 - 355 mm**

Spread Range:

**12 - 635 mm**




### ▼ SHAFT ATTACHMENTS

| Length<br>(mm) | Dia-<br>meter<br>(mm) | Increases<br>Center Bolt<br>Length<br>(mm) | Model<br>Number |
|----------------|-----------------------|--|-----------------|
| 25             | 19                    | 9  | <b>EPP-4</b>    |
| 50             | 19                    | 38   | <b>EPX-4</b>    |
| 31             | 22                    | 12   | <b>EPP-6</b>    |
| 50             | 22                    | 38   | <b>EPX-6</b>    |
| 31             | 25                    | 12   | <b>EPP-10</b>   |
| 50             | 25                    | 38   | <b>EPX-10</b>   |
| 50             | 35                    | 21   | <b>EPP-1316</b> |

### ▼ LONG JAWS

| Spread<br>min. - max.<br>(mm) | Max.<br>Reach<br>(mm) | Model<br>Number   |
|-------------------------------|-----------------------|-------------------|
| 57 - 381                      | 245                   | <b>EP-11054</b>   |
| 38 - 558                      | 400                   | <b>EP-11054L</b>  |
| 38 - 762                      | 508                   | <b>EP-11354L</b>  |
| 25 - 133                      | 218                   | <b>EP-10554L*</b> |

\* for EPPMI-6 only

| Dimensions (mm)                |                            |                        |                                  |                       |                           |                       |                                      |               | Model<br>Number | Optional Accessories  |   |   |
|--------------------------------|----------------------------|------------------------|----------------------------------|-----------------------|---------------------------|-----------------------|--------------------------------------|---------------|-----------------|---|---|---|
| Spread<br>min. - max.<br><br>A | Overall<br>Length<br><br>B | Max.<br>Reach<br><br>C | Center<br>Bolt<br>Diam.<br><br>E | Jaw<br>Width<br><br>F | Tip<br>Clearance<br><br>G | Tip<br>Depth<br><br>H | Hex<br>Socket<br>Size<br>(inch)<br>J |               |                 |  |  |  |
| 12 - 127                       | 245 - 323                  | 101                    | 14                               | 15                    | 4,1                       | 4,6                   | 7/8                                  | <b>EP-204</b> | <b>EPP-4</b>    | <b>EPX-4</b>  | -   |   |
| 12 - 127                       | 245 - 323                  | 101                    | 14                               | 15                    | 4,1                       | 4,6                   | 7/8                                  | <b>EP-104</b> | <b>EPP-4</b>    | <b>EPX-4</b>  | -   |   |
| 12 - 178                       | 323 - 476                  | 152                    | 16                               | 19                    | 8,1                       | 6,1                   | 1 1/16                               | <b>EP-206</b> | <b>EPP-6</b>    | <b>EPX-6</b>  | -   |   |
| 12 - 178                       | 323 - 476                  | 152                    | 16                               | 19                    | 8,1                       | 6,1                   | 1 1/16                               | <b>EP-106</b> | <b>EPP-6</b>    | <b>EPX-6</b>  | -   |   |
| 19 - 304                       | 412 - 615                  | 203                    | 20                               | 22                    | 6,4                       | 9,1                   | 1 1/4                                | <b>EP-208</b> | <b>EPP-10</b>   | <b>EPX-10</b>   | <b>EP-11054</b>   |   |
| 19 - 304                       | 412 - 615                  | 203                    | 20                               | 22                    | 6,4                       | 9,1                   | 1 1/4                                | <b>EP-108</b> | <b>EPP-10</b>   | <b>EPX-10</b>   | <b>EP-11054</b>   |   |
| 25 - 381                       | 489 - 736                  | 245                    | 20                               | 25                    | 6,4                       | 9,1                   | 1 1/4                                | <b>EP-210</b> | <b>EPP-10</b>   | <b>EPX-10</b>   | <b>EP-11054L</b>  |   |
| 25 - 381                       | 489 - 736                  | 245                    | 20                               | 25                    | 6,4                       | 9,1                   | 1 1/4                                | <b>EP-110</b> | <b>EPP-10</b>   | <b>EPX-10</b>   | <b>EP-11054L</b>  |   |
| 63 - 457                       | 660 - 965                  | 304                    | 29                               | 31                    | 12,7                      | 9,7                   | 1 11/16                              | <b>EP-213</b> | <b>EPP-1316</b> | -   | <b>EP-11354L</b>  |   |
| 63 - 457                       | 660 - 965                  | 304                    | 29                               | 31                    | 12,7                      | 9,7                   | 1 11/16                              | <b>EP-113</b> | <b>EPP-1316</b> | -   | <b>EP-11354L</b>  |   |
| 76 - 635                       | 800 - 1155                 | 355                    | 31                               | 36                    | 13,5                      | 11,7                  | 1 13/16                              | <b>EP-216</b> | <b>EPP-1316</b> | -   | -   |   |
| 76 - 635                       | 800 - 1155                 | 355                    | 31                               | 36                    | 13,5                      | 11,7                  | 1 13/16                              | <b>EP-116</b> | <b>EPP-1316</b> | -   | -   |   |

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

| Dimensions (mm)            |                        |                    |                        |                   |                       |                   | Model<br>Number |
|----------------------------|------------------------|--------------------|------------------------|-------------------|-----------------------|-------------------|-----------------|
| Spread<br>min. - max.<br>A | Overall<br>Length<br>B | Max.<br>Reach<br>C | Slide<br>Rod Dia.<br>E | Jaw<br>Width<br>F | Tip<br>Clearance<br>G | Tip<br>Depth<br>H |                 |
| 14 - 101                   | 736                    | 168                | 14,2                   | 8                 | 3,0                   | 1,5               | <b>EPPMI-6</b>  |
| 25 - 133                   | 787                    | 218                | 14,2                   | 8                 | 7,6                   | 4,6               |                 |



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