A new line of pullers to make your job easier and safer

SG-Series
Sync Grip Pullers

Stocked and Distributed by Norman Equipment Company 800-323-2710
OVERVIEW

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

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

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

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

Always wear safety goggles and gloves while using pullers.

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

▼ DIMENSIONAL DATA

<table>
<thead>
<tr>
<th>Puller Capacity</th>
<th>Puller Model No.</th>
<th>Sync Grip Pullers Dimensions (in)</th>
<th>WL***</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Standard Reach Jaws</td>
<td>Optional Extended Reach Jaws</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Max. Reach A</td>
<td>Max. Spread B</td>
</tr>
<tr>
<td>Mechanical Pullers</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>SGM01*</td>
<td>4.13</td>
<td>4.33</td>
</tr>
<tr>
<td>4</td>
<td>SGM04*</td>
<td>7.28</td>
<td>6.89</td>
</tr>
<tr>
<td>7</td>
<td>SGM07*</td>
<td>8.86</td>
<td>9.45</td>
</tr>
<tr>
<td>10</td>
<td>SGM10*</td>
<td>16.14</td>
<td>13.78</td>
</tr>
<tr>
<td>20</td>
<td>SGM20</td>
<td>23.62</td>
<td>26.77</td>
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<tr>
<td>Hydraulic Pullers</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>SGH14*</td>
<td>12.60</td>
<td>13.78</td>
</tr>
<tr>
<td>24</td>
<td>SGH24</td>
<td>12.60</td>
<td>18.90</td>
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<tr>
<td>36</td>
<td>SGH36</td>
<td>16.14</td>
<td>25.59</td>
</tr>
<tr>
<td>50**</td>
<td>SGH64</td>
<td>27.56</td>
<td>38.58</td>
</tr>
</tbody>
</table>

* Puller can be set up as a 2 or 3 jaw configuration.
** Puller capacity at 7,850 psi, maximum cylinder capacity @ 10,000 psi is 64.6 tons.
*** With standard legs and cylinder for hydraulic models
Sync Grip Pullers: available in both mechanical or hydraulic versions. Some models can be configured as a two jaw puller, however, three jaws are recommended for most even distribution of pulling forces.

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

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

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

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

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

** DIMENSIONAL DATA

<table>
<thead>
<tr>
<th>Cross Puller Dimensions (in)</th>
<th>WL.**</th>
<th>Bearing Separator Dims. (in)</th>
<th>WL.</th>
<th>Bearing Cup Dimensions (in)</th>
<th>WL.</th>
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<tbody>
<tr>
<td><strong>Long Leg</strong></td>
<td><strong>Height</strong></td>
<td><strong>Max. Spread</strong></td>
<td><strong>Thread Size</strong></td>
<td><strong>Diam.</strong></td>
<td><strong>Min. Spread</strong></td>
</tr>
<tr>
<td>Standard Leg</td>
<td>A</td>
<td>A</td>
<td>B</td>
<td>A</td>
<td>B</td>
</tr>
<tr>
<td>Mechanical Pullers</td>
<td>—</td>
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</tr>
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<td>Hydraulic Pullers</td>
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<td>23.67</td>
<td>34.01</td>
<td>22.83</td>
<td>250.15</td>
<td>10.24</td>
</tr>
</tbody>
</table>

** With cylinder and standard legs

Simple, Safe, Productive
All three jaws close simultaneously making the puller easier and safer to operate.
The synchronous feature of the SGM and SGH-Series Pullers makes positioning the puller simple and helps prevent misalignment.

Easy To Use
Simple, Safe, Productive
All three jaws close simultaneously making the puller easier and safer to operate.
The synchronous feature of the SGM and SGH-Series Pullers makes positioning the puller simple and helps prevent misalignment.
Mechanical Sync Grip Pullers

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

SGM Series

<table>
<thead>
<tr>
<th>Puller Capacity:</th>
<th>1-20 tons</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Reach:</td>
<td>4.1-23.6 inches</td>
</tr>
<tr>
<td>Maximum Spread:</td>
<td>4.3-26.8 inches</td>
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</tbody>
</table>

Dimensions

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

<table>
<thead>
<tr>
<th>Puller Capacity</th>
<th>Puller Model No.</th>
<th>Dimensions (in)</th>
<th>Weight (lbs)</th>
<th>Long Jaw Sets Model No.*</th>
<th>Dimensions (in)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Max. Reach A</td>
<td>Max. Spread B</td>
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<td>6.89</td>
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<td>26.77</td>
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</tr>
</tbody>
</table>

* Jaw sets include three jaws.

WARNING!

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

Shown: SGM10 with three jaws

Shown: SGM10 with two jaws.
Hydraulic Sync Grip Master Puller Sets

**Shown: MPS14H**

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

### MPS Series

**Puller Capacity:**

14-50 tons

**Maximum Reach:**

12.6-27.6 inches

**Maximum Spread:**

13.8-38.6 inches

**Maximum Operating Pressure:**

10,000 psi

#### Dimensions

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

#### Sets Include: 1)

1) Choose pump options below.

### DIMENSIONAL DATA

<table>
<thead>
<tr>
<th></th>
<th></th>
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<th></th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Max. Reach A</td>
<td>Max. Spread B</td>
<td></td>
<td>All Sets Include:</td>
<td>Max. Reach A</td>
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<tr>
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<td>Air Pump</td>
<td>Electric Pump</td>
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<td>38.58</td>
<td>363.7</td>
<td>MPS64H</td>
<td>MPS64A</td>
</tr>
</tbody>
</table>

* 14-ton sets include an AR-630 female coupler, GA45 gauge adaptor, and G2535L gauge.
** Puller capacity at 7,850 psi, maximum cylinder capacity @ 10,000 psi is 64.6 tons.
*** Jaw sets include three jaws.
Hydraulic Sync Grip Puller Sets

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

### GPS Series

- **Puller Capacity:** 14-50 tons
- **Maximum Reach:** 12.6-27.6 inches
- **Maximum Spread:** 13.8-38.6 inches
- **Maximum Operating Pressure:** 10,000 psi

### DIMENSIONAL DATA

<table>
<thead>
<tr>
<th>Puller Capacity</th>
<th>Model No. (Puller and Cylinder)</th>
<th>Stroke</th>
<th>Dimensions (in)</th>
<th>Wt. (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>SGH14</td>
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<td>12.60 Max. Reach A</td>
<td>13.78 Max. Spread B</td>
</tr>
<tr>
<td>24</td>
<td>SGH24</td>
<td>2.0</td>
<td>12.60</td>
<td>18.90</td>
</tr>
<tr>
<td>36</td>
<td>SGH36</td>
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<td>16.14</td>
<td>25.59</td>
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<tr>
<td>50**</td>
<td>SGH64</td>
<td>3.0</td>
<td>27.56</td>
<td>38.58</td>
</tr>
</tbody>
</table>

**Hand Pump** | **Air Pump** | **Electric Pump** | **Cordless Pump** | **All Sets Include:**

- 14-ton sets include an AR-630 female coupler, GA45 gauge adaptor, and G2535L gauge.
- Puller capacity at 7,850 psi, maximum cylinder capacity @ 10,000 psi is 64.6 tons.
- Jaw sets include three jaws.

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

<table>
<thead>
<tr>
<th>Dimensions (in)</th>
<th>Long Jaw Sets Model No.***</th>
<th>Max. Reach A</th>
<th>Max. Spread B</th>
</tr>
</thead>
<tbody>
<tr>
<td>GPS14H</td>
<td>SG1002K</td>
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<td>15.94</td>
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<tr>
<td>GPS14A</td>
<td>GPS24H</td>
<td>17.13</td>
<td>21.26</td>
</tr>
<tr>
<td>GPS14E</td>
<td>GPS36H</td>
<td>20.67</td>
<td>28.35</td>
</tr>
<tr>
<td>GPS14C</td>
<td>GPS64H</td>
<td>33.46</td>
<td>42.52</td>
</tr>
</tbody>
</table>

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Cross-Bearing Puller Sets

Shown: Cross-Bearing Puller Set BHP361G

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

**BHP Series**

**Puller Capacity:**

7-25 tons

**Maximum Reach:**

14.1-34 inches

**Maximum Spread:**

10.2-22.8 inches

**Maximum Operating Pressure:**

10,000 psi

**WARNING!**

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

**Dimensions**

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

**Sets Include:**

1) Choose pump options below.

**DIMENSIONAL DATA**

<table>
<thead>
<tr>
<th></th>
<th></th>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
<td>Maximum Reach A</td>
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<td>BHP562</td>
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<td>34.01</td>
<td>22.83</td>
</tr>
</tbody>
</table>

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

For 115 V application add “B” suffix
For 230 V application add “E” suffix
The Industrial Tools Line

Cylinders and Lifting Products
- General Purpose
- Aluminum: Lock Nut, Solid, and Hollow Plunger
- Pancake, Low Height
- Pull
- Hollow Plunger
- Precision
- Long Stroke
- High Tonnage
- Jacks
- Level Lift System
- Pow/R-RISER® Lifting Jacks
- Pow/R-LOCK™ Lifting Jacks
- Extreme Environment Products

Pumps
- Manual
- Cordless and Electric Driven
- Compressed Air Driven
- Petrol Driven

System Components
- Hoses, Couplers, Oil
- Manifolds, Fittings
- Gauges, Adaptors

Valves
- 3-and 4-Way Directional
- Pressure and Flow Control

Presses
- H-Frame, Roll Frame
- C-Clamp and Arbor
- Tension Meters, Load Cells

Pullers
- Master Pullers Sets
- Multi Purpose Puller Sets
- Posi Lock® Pullers

Tools
- Maintenance Sets
- Punches
- Lifting Wedges
- Machine Lifts
- Load Skates
- Wedges, Spreaders
- Cutters
- Pipe Benders

Bolting Tools
- Multipliers
- Torque Wrenches
- Impact Sockets
- Wrench and Tensioner Pumps
- Twin Safety Hoses
- Nut Cutters / Splitters
- Flange/Wedge Spreaders
- Flange Alignment Tools
- Flange Face Tools

Heavy Lifting Technology
- Synchronized Lifting Systems
- Jack-Up Systems
- Bridge Launching Systems
- Synchronized Hoisting Systems
- Hydraulic Gantry
- Heavy Lifting Strand Jacks
- Skidding Systems
- Self-Erecting Towers
- Self-Propelled Modular Transporter
- Chain Pulling Systems

Enerpac Worldwide Locations
For a complete list of addresses see: www.enerpac.com/en-us/enerpac-locations

About Enerpac
Enerpac is the leading global provider of high-pressure hydraulic tools and solutions with a broad range of products, local expertise and worldwide distribution network. With a proven track record in a wide range of markets, Enerpac designs and manufactures high-quality tools and solutions for all industrial applications.

Enerpac has gained unique experience in delivering hydraulic solutions for the controlled movement and positioning of heavy objects. Enerpac supports your business by offering the right solutions and service to help you get your work done efficiently and safely.

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- Manuals (instruction and repair sheets)
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- Enerpac products in action

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- Training for the safe and efficient use of Bolting Tools

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