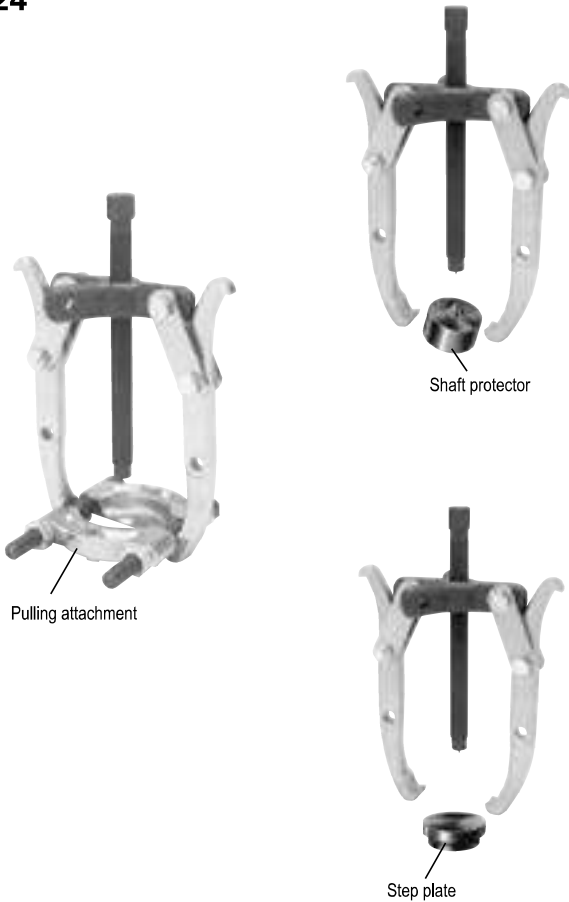


Model Shown:
1024

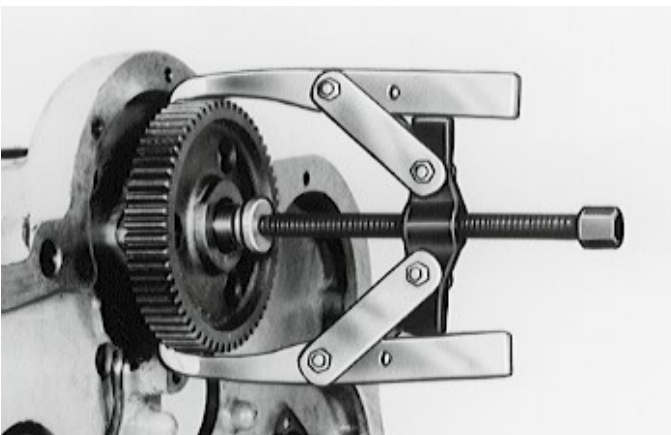


Features

VERSATILE DESIGN OFFER A TIGHT GRIP FOR YOUR PULLING APPLICATIONS.

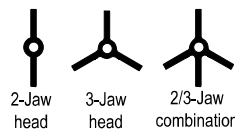
- Lock-Jaw™ feature on all pullers. The harder the pull, the tighter the grip for removing gears, bearings and countless other press fitted parts.
- 2-way, 3-way and 2/3-way combination pullers make it easy to select a specific puller for your application.
- Forged from high quality steel, heat treated and subjected to rigorous tests which exceed rated puller capacity.
- Forcing screw threads are rolled, not cut, creating a smoother and stronger thread.
- Heat treated alloy steel cross bolts for maximum shear strength.
- Machined puller jaw toes produce larger and stronger pulling toes.
- Meets Fed. Spec.: GGG-P-00781-D

Two-jaw head puller example

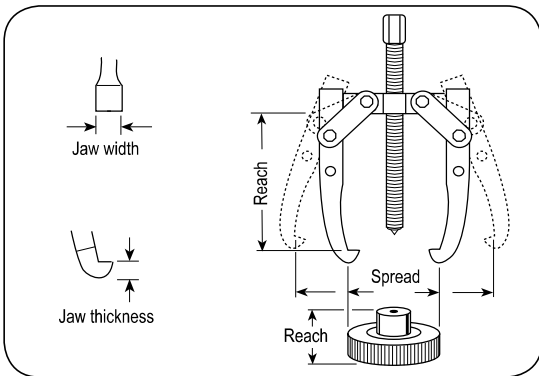


Choosing the right size puller

Styles of puller cross heads



Compare the "reach" and "spread" of the pulling job with that of the pullers listed. The puller selected must have dimensions greater than those of the job.



► Ordering Information

| | Order No. | Cap. (tons) | Jaw Type | Max. | | Jaw | | Screw Size (in.) | Weight (kg) |
|---|------------------------------|-------------|---|----------------------------------|----------------------------------|-------------------------|--------------------------|---------------------|----------------------------------|
| | | | | Reach (mm) | Spread (mm) | Thickness (mm) | Width (mm) | | |
|   | 1020 1021 | 1 | 2-Jaw 3-Jaw | 54,0 54,0 | 82,6 82,6 | 3,6 | 6,4 | 5/16 - 24 x 98,4 mm | 0,14 |
|   | 1022 1023 | 2 | 2-Jaw * 2/3-Jaw * | 82,6 85,7 | 101,6 120,7 | Upper 4,8 Lower 3,2 | Upper 6,4 Lower 12,7 | 3/8 - 24 x 124 mm | 0,40 |
|   | 1024 1026 | 5 | 2/3-Jaw * 2/3-Jaw * | 82,6 82,6 | 152,4 177,8 | Upper 23,8 Lower 6,4 | Upper 9,5 Lower 19,1 | 9/16 - 20 x 178 mm | 0,43 |
|   | 1025 1027 | 5 | Long 2-Jaw * Long 2/3-Jaw * | 139,7 139,7 | 152,4 177,8 | Upper 23,8 Lower 6,4 | Upper 9,5 Lower 19,1 | 9/16 - 20 x 178 mm | 0,19 1,65 |
|   | 1035 1037 | 7 | 2-Jaw * 2/3-Jaw * | 127,0 127,0 | 228,6 266,7 | Upper 7,9 Lower 8,7 | Upper 25,4 Lower 25,4 | 11/16 - 18 x 229 mm | 2,04 2,78 |
|   | 1036 1038 | 7 | Long 2-Jaw Long 2/3-Jaw | 222,3 222,3 | 241,3 279,4 | 8,7 | 25,4 | 11/16 - 18 x 229 mm | 2,44 3,69 |
|   | 1039 1040 1041 1042 | 13 | 2-Jaw Long 2-Jaw 2/3-Jaw Long 2/3-Jaw | 279,4 387,4 279,4 387,4 | 304,8 393,7 304,8 431,8 | 14,3 | 25,4 | 13/16 - 16 x 305 mm | 4,90 5,90 7,37 8,50 |
|   | 1043 1044 1045 1046 | 17.5 | Long 2-Jaw Long 2-Jaw 3-Jaw Long 3-Jaw | 368,3 476,3 368,3 476,3 | 355,6 406,4 355,6 406,4 | 20,6 | 32,5 | 1 - 14 x 343 mm | 10,43 11,79 14,97 16,78 |
|   | 1048 1050 | 25 | Long 2-Jaw Long 3-Jaw | 565,2 565,2 | 508,0 508,0 | 27,0 | 38,1 | 1 1/4 - 12 x 422 mm | 19,39 27,22 |

* Reversible Jaws

Model Shown:
927, 938, 939



Features

VERSATILE DESIGN OFFERS A TIGHT GRIP FOR YOUR PULLING APPLICATIONS.

- Can apply a pushing or pulling force, depending on how the puller is set up.
- Optional leg kits adapt your Bi-Directional™ Puller to extra long or extra short reach.
- A wide variety of threaded adapters, bearing pulling attachments and internal pulling attachments can be used in combination with our Bi-Directional™ Puller.
- Meets Fed. Spec.: GGG-P-00781-D



Selection and Capacity Rating

Each Bi-Directional™ Puller specified tonnage “capacity” is determined using its standard legs in tension. Using longer legs, or a setup in which the legs are in compression, will reduce the “capacity.” Always select the largest “capacity” puller and the shortest legs that will fit the job.



Puller Adapters



Male/Female



Shaft Protector



Female

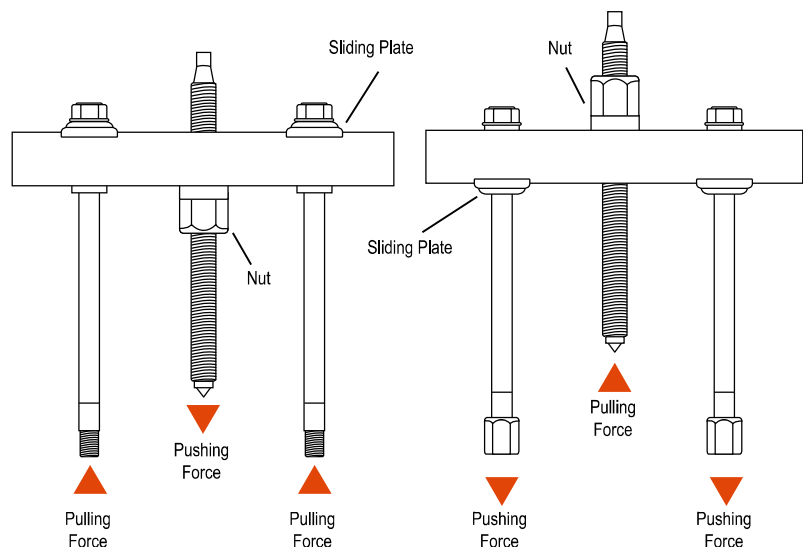


Step Plate

For more information, see page 240.

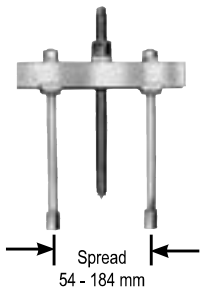
ASSEMBLING THE TOOL TO APPLY PUSHING OR PULLING FORCE:

1. Determine if you want the tool's forcing screw to push or pull.
2. To exert pushing force, the forcing nut is installed beneath the cross block, as shown on left.
3. To cause the forcing screw to pull, the forcing nut is placed on top of the cross block.
4. The sliding plates must always be placed on the opposite side of the cross block from the forcing nut.



Ordering Information

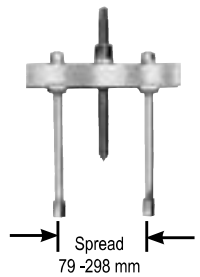
10 TON MECHANICAL BI-DIRECTIONAL™



10 Ton Capacity can be used with 1123 bearing pulling attachment or 679 pulley pulling attachment. May also be used with 1150, 1151, 1152, or 1153 internal pulling attachments.

| Order No. | Max. | | Screw Size (in.) | Weight (kg) | Notes |
|-----------|---------------|----------------|---------------------|----------------|---|
| | Reach (mm) | Spread (mm) | | | |
| 927 | 210 | 54 - 184 | 3/4" - 16 x 305 mm | 3,2 | 1/2" of forcing screw tip end is threaded 5/8"-18. 1100 legs and 24827 leg ends included. |

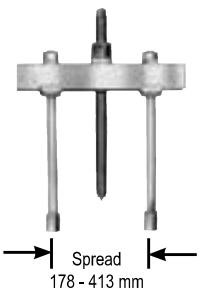
17.5 TON MECHANICAL BI-DIRECTIONAL™



17.5 Ton Capacity can be used with 1124 and 1130 bearing pulling attachments or 679 and 680 pulley pulling attachments. May also be used with 1150, 1151, 1153, 1165, or 1166 internal pulling attachments.

| Order No. | Max. | | Screw Size (in.) | Weight (kg) | Notes |
|-----------|---------------|----------------|---------------------|----------------|---|
| | Reach (mm) | Spread (mm) | | | |
| 938 | 282 | 79 - 298 | 1"-14 x 336 mm | 9,4 | Leg ends threaded 5/8"-18. 1106 legs and 24827 leg ends included. |

30 TON MECHANICAL BI-DIRECTIONAL™



30 Ton Capacity can be used with 1126 and 1127 bearing pulling attachments or 680 pulley pulling attachment (two 8012 adapters are required to connect 680 to puller). Can be used with 1165 internal pulling attachment.

| Order No. | Max. | | Screw Size (in.) | Weight (kg) | Notes |
|-----------|---------------|----------------|----------------------|----------------|---|
| | Reach (mm) | Spread (mm) | | | |
| 939 | 267 | 178 - 413 | 1 1/2" - 12 x 438 mm | 20,0 | Leg ends threaded 1"-14. 1109 legs and 28390 leg ends included. |

ACCESSORIES - PULLER LEGS

| Order No. | Leg Length (mm) | Weight (kg) | Order No. | Leg Length (mm) | Weight (kg) |
|-----------|------------------|-------------|------------------|------------------|------------------|
| 927 | 1103 121 mm Legs | 0,45 | 938 | 1104 419 mm Legs | 3 |
| | 1100 171 mm Legs | 0,45 | | 1105 572 mm Legs | 4,1 |
| | 1102 298 mm Legs | 1 | | 1108 762 mm Legs | 5,2 |
| | 1101 400 mm Legs | 1,5 | | 939 | 1109 203 mm Legs |
| 938 | 1107 114 mm Legs | 1,1 | 1110 457 mm Legs | | 6,8 |
| | 1106 241 mm Legs | 2 | 1111 711 mm Legs | | 10 |

Pullers