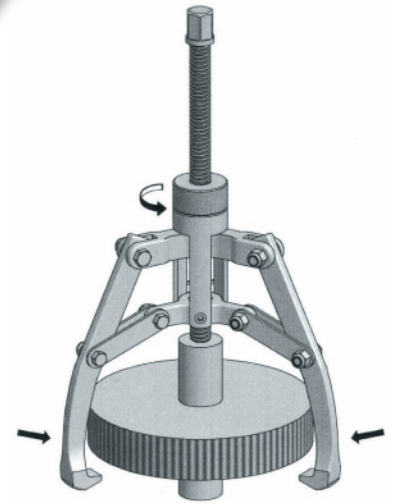


# MECHANICAL EASY PULLERS (2,3 WAY)

**POWERRAM**  
HYDRAULIC TOOLS



## SIMPLE AND EASY PULLING JOB

The most simple and efficient design, the screw-Operated jaws bring the users to position the puller on the part quickly and precisely with one person operating only.

## USER-FRIENDLY

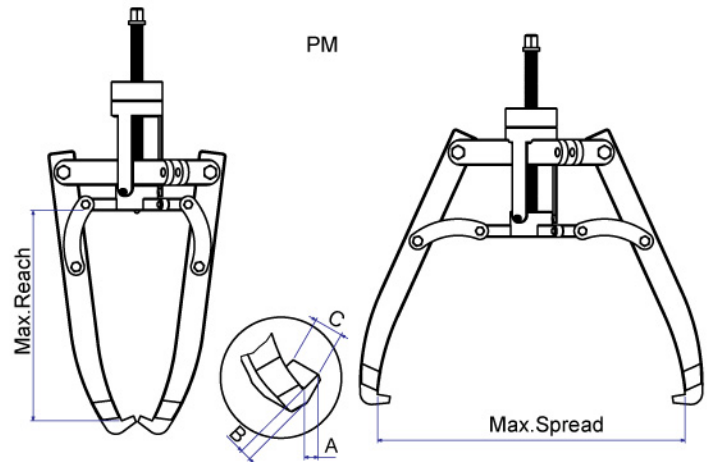
- 3 or 2 fixed jaws for easy positioning and self-centering.
- Available in six sizes with a maximum pulling force from 2 Ton to 10 Ton.

## SAFE

- Self-centering function prevents the damage to the shaft and work piece being pulled.

## SAVING COST

- Easy operating by one person which save time and work efficiently
- The first 2 or 3 way mechanical puller in the world, also a good choice to save cost by one price for two pullers.



## SPECIFICATIONS

| Capacity | Model No. | Jaws | Reach<br>(Max. mm) | Spread<br>(Max. mm) | Shaft Dim. | Jaw Tip (mm) |    |    | Weight<br>(kg) |
|----------|-----------|------|--------------------|---------------------|------------|--------------|----|----|----------------|
|          |           |      |                    |                     |            | A            | B  | C  |                |
| 2 Ton    | PM50      | 3    | 80                 | 120                 | Ø5/8"x8T   | 8            | 6  | 15 | 1.3            |
| 2 Ton    | PM52      | 2    | 80                 | 120                 | Ø5/8"x8T   | 8            | 6  | 15 | 0.9            |
| 5 Ton    | PM100     | 3    | 160                | 250                 | Ø3/4"x8T   | 11           | 10 | 25 | 3.7            |
| 5 Ton    | PM102     | 2    | 160                | 250                 | Ø3/4"x8T   | 11           | 10 | 25 | 3.1            |
| 10 Ton   | PM150     | 3    | 230                | 380                 | Ø7/8"x6T   | 14           | 10 | 29 | 8.8            |
| 10 Ton   | PM152     | 2    | 230                | 380                 | Ø7/8"x6T   | 14           | 10 | 29 | 6.7            |

Patented in USA, Germany, S. Korea, Taiwan, P.R.C.....etc.

# MANUAL EASY PULLERS - 2/3 WAY

**POWERRAM**  
HYDRAULIC TOOLS



## SIMPLE AND EASY PULLING JOB

The most simple and efficient design, Screw-Operated Jaws bring the users to position the puller on the part quickly and correctly with just one person operating only.

## USER-FRIENDLY

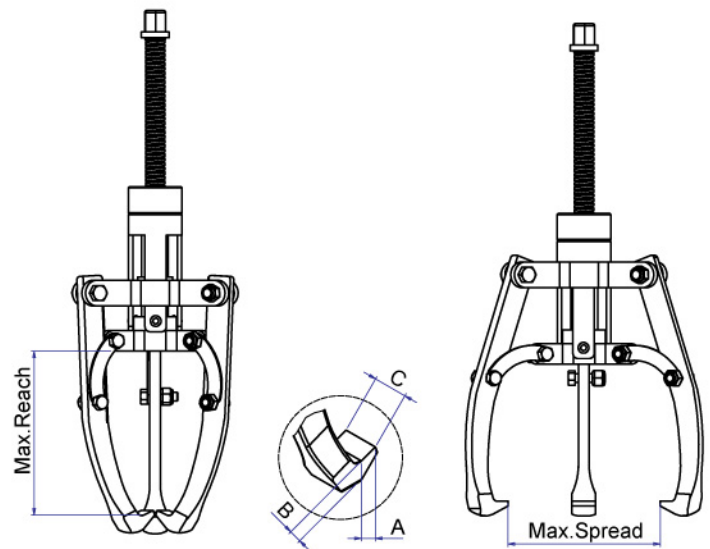
- 3 and/or 2 fixed jaws for easy positioning and self-centering.
- Available in six sizes with a maximum pulling force from 2 Tons to 12 Tons.

## SAFE

- Self-positioning centring prevent the damage to the shaft as well.

## SAVING COST

- Conveniently positioning, efficiently pulling help to save manpower and operating time.
- The first 2 / 3 way manual easy puller in the world which brings users the two options in one model as the best choice to save the cost.



## SPECIFICATIONS

| Capacity | Model No. | Reach<br>(Max. mm) | Spread<br>(Max. mm) | Shaft Dimension |             | Jaw Tip (mm) |    |    | Weight<br>(kg) |
|----------|-----------|--------------------|---------------------|-----------------|-------------|--------------|----|----|----------------|
|          |           |                    |                     | Thread          | Length (mm) | A            | B  | C  |                |
| 2 Ton    | PM55      | 80                 | 120                 | Ø5/8"x11T       | 24          | 8            | 6  | 15 | 1.6            |
| 3 Ton    | PM85      | 120                | 140                 | Ø5/8"x11T       | 28          | 6            | 7  | 15 | 2.3            |
| 5 Ton    | PM105     | 160                | 270                 | Ø3/4"x10T       | 34          | 11           | 10 | 25 | 4.3            |
| 8 Ton    | PM125     | 210                | 300                 | Ø3/4"x10T       | 39          | 13           | 14 | 27 | 6.1            |
| 10 Ton   | PM155     | 250                | 380                 | Ø7/8"x14T       | 47          | 14           | 10 | 29 | 9.6            |
| 12 Ton   | PM175     | 250                | 440                 | Ø7/8"x14T       | 47          | 14           | 10 | 29 | 11.2           |

Patented in USA, Germany, S. Korea, Taiwan, P.R.C.....etc.

# HYDRAULIC PULLERS

**POWERRAM**  
HYDRAULIC TOOLS

## MODEL:PM SERIES

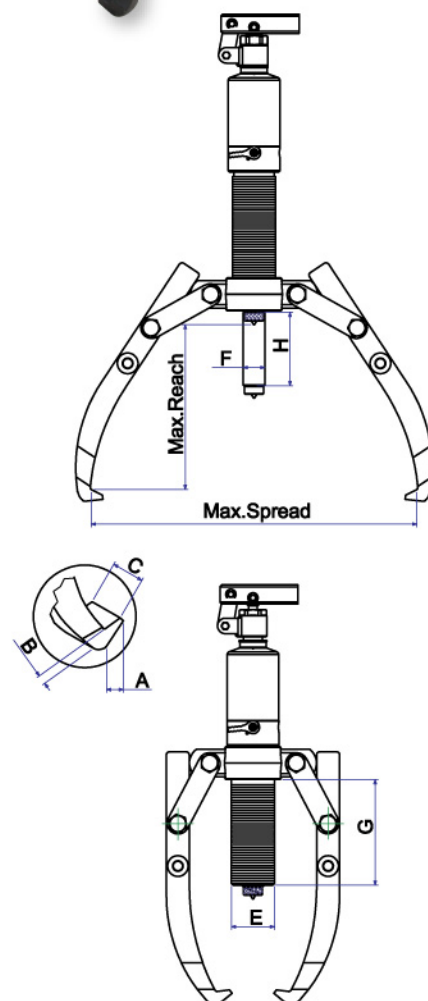


### FEATURES

- Exchangeable 2 or 3 arm combination puller is very practical and economical.
- 360° Rotary Socket.
- Self-contained hydraulic pump and puller body with integral safety valve.
- Spring loaded live centering nut for easy job (removable).
- Four stages of foldable & removable handle saves the handle force during operation.
- Patented design of two stages stroking for PM2000 & PM3000, the first stage being as fast stroking for quickly connecting with object, and the second stage being as high hydraulic output for pulling job.
- The extension rods can be used for extra reach when necessary.

### ACCESSORIES

| Model No. | Part No. | Length of Long Arm (mm) | Max. Reach | Max. Spread |
|-----------|----------|-------------------------|------------|-------------|
| PM400     | C0948    | 295                     | 222        | 300         |
| PM600     | C0949    | 335                     | 260        | 363         |
| PM800     | C0950    | 395                     | 308        | 445         |
| PM1200    | C0951    | 435                     | 340        | 420         |
| PM2000    | C0960    | 555                     | 428        | 540         |
| PM3000    | C0961    | 555                     | 428        | 620         |



### SPECIFICATIONS

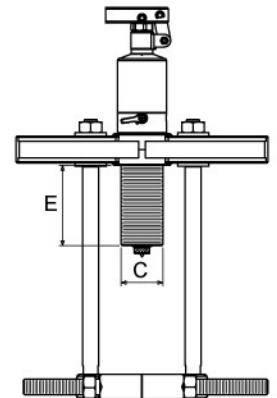
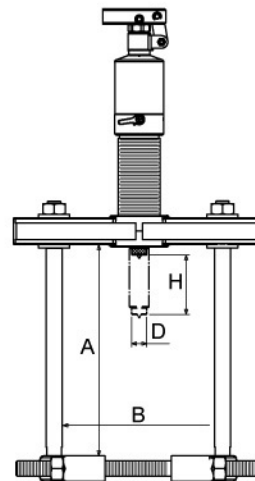
| Capacity | Model No. | Reach (Max. mm) | Spread (Max. mm) | Stroke (mm) | Pump Tip (mm) |    |     |    | Jaw Tip (mm) |    |      | Weight (kg) |
|----------|-----------|-----------------|------------------|-------------|---------------|----|-----|----|--------------|----|------|-------------|
|          |           |                 |                  | H           | E             | F  | G   | A  | B            | C  |      |             |
| 4 Ton    | PM400     | 185             | 255              | 60          | 42            | 22 | 84  | 11 | 6            | 22 | 8.3  |             |
| 6 Ton    | PM600     | 220             | 330              | 70          | 45            | 23 | 94  | 13 | 10           | 22 | 8.5  |             |
| 8 Ton    | PM800     | 230             | 350              | 85          | 50            | 25 | 122 | 11 | 10           | 25 | 12.0 |             |
| 12 Ton   | PM1200    | 270             | 375              | 85          | 60            | 28 | 118 | 14 | 10           | 29 | 17.2 |             |
| 20 Ton   | PM2000    | 360             | 520              | 111         | 80            | 40 | 160 | 20 | 27           | 33 | 38.2 |             |
| 30 Ton   | PM3000    | 360             | 550              | 111         | 98            | 50 | 155 | 20 | 27           | 38 | 50.6 |             |

# HYDRAULIC PULLERS - PACKAGE MODELS

**POWERRAM**  
HYDRAULIC TOOLS

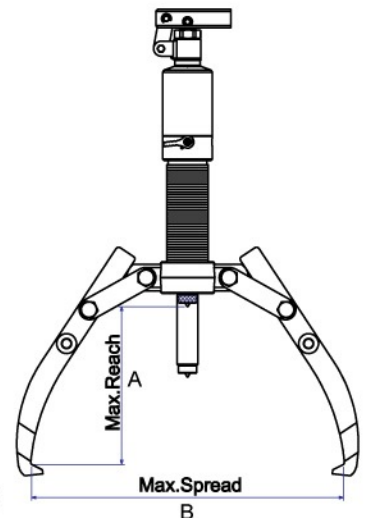
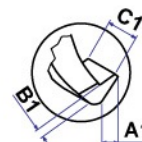
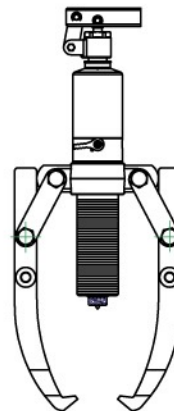


- One completed set (4 ~ 8 Ton) with two kinds of puller for user's convenience.



## FEATURES

- Four stages of foldable & removable handle saves the handle force during operation.
- 360° Rotary Socket.
- Self-contained hydraulic pump and puller body with integral safety valve.
- Spring loaded live centering nut for easy job (removable).
- 2 jaws puller cross head with manganous-phosphate plated for rust proof and durability.
- Package including puller body, jaw assembly, cross bearing, extension bar and blow molded case for practical and safe works.



## SPECIFICATIONS

| Capacity | Model No. | Reach (Max. mm) | Spread (Max. mm) | Stroke (mm) | Pump Tip (mm) |    |     | Jaw Tip (mm) |    |    | Weight (kg)                        |
|----------|-----------|-----------------|------------------|-------------|---------------|----|-----|--------------|----|----|------------------------------------|
|          |           | A               | B                | H           | C             | D  | E   | A1           | B1 | C1 |                                    |
| 4 Ton    | PM420     | 185/224         | 255/145          | 60          | 42            | 22 | 84  | 11           | 6  | 22 | 12.4                               |
| 6 Ton    | PM620     | 220/255         | 330/220          | 70          | 45            | 23 | 90  | 13           | 10 | 22 | 17.0                               |
| 8 Ton    | PM820     | 230/255         | 350/230          | 85          | 50            | 25 | 122 | 11           | 10 | 25 | 20.0                               |
| 12 Ton   | PM1220    | 270/298         | 375/310          | 85          | 60            | 28 | 115 | 14           | 10 | 29 | 17.2 / 20.6<br>(puller / acc. set) |

# SEPARATE HYDRAULIC PULLERS

## MODEL:PR SERIES



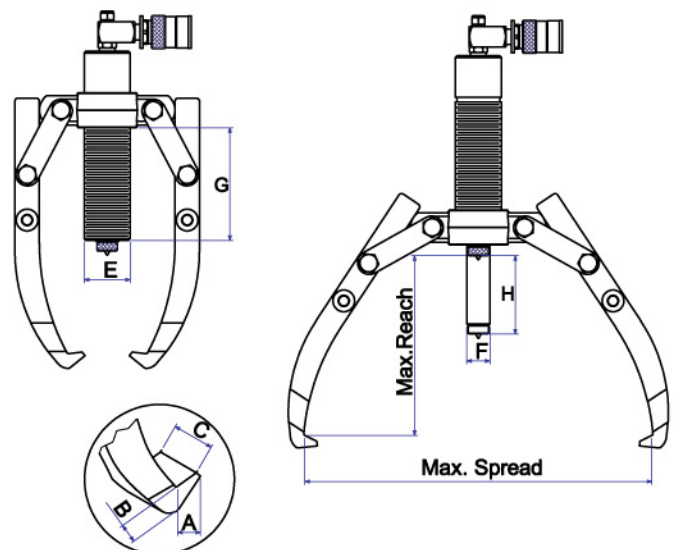
### FEATURES

- Heat treated & chrome plated hydraulic cylinder rod provides linear force.
- Easily release valve.
- Spring loaded live centering nut for easy job (removable).
- 2/3 jaws combination puller cross head with manganous-phosphate plated for rust proof and durability.
- Heat treated forged alloy steel cross bolts & jaws with manganous-phosphate plated for rust proof and long life service.
- Suggested Hand Pumps:  
4 ~ 12 Ton: PB600BG or AHP701BG  
20 ~ 30 Ton: PB700BG or AHP702BG



### ACCESSORIES

| Model No. | Part No. | Length of Long Arm (mm) | Max. Reach | Max. Spread |
|-----------|----------|-------------------------|------------|-------------|
| PR400     | C0948    | 295                     | 222        | 300         |
| PR800     | C0950    | 395                     | 308        | 445         |
| PR1200    | C0951    | 435                     | 340        | 420         |
| PR2000    | C0960    | 555                     | 428        | 540         |
| PR3000    | C0961    | 555                     | 428        | 620         |



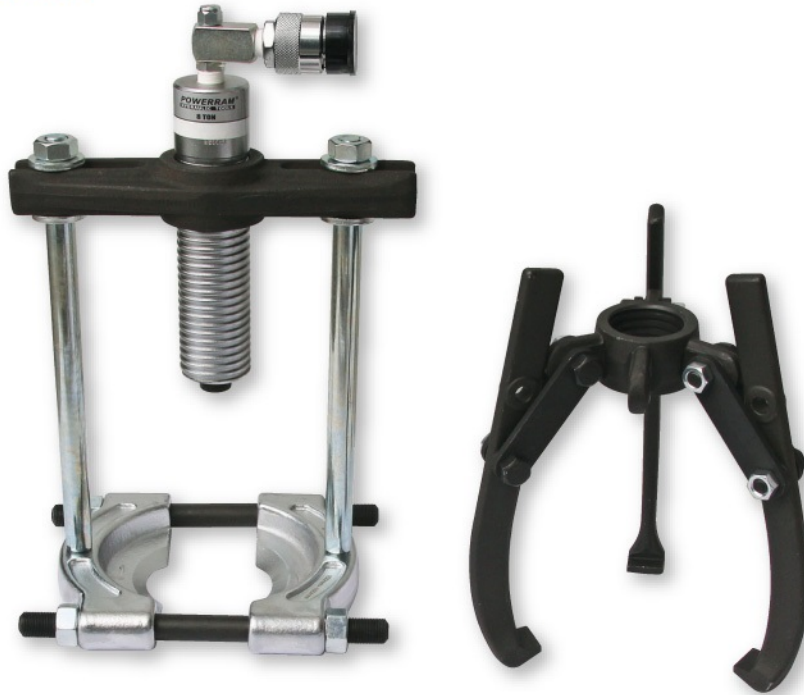
### SPECIFICATIONS

| Capacity | Model No. | Reach (Max. mm) | Spread (Max. mm) | Stroke (mm) | Pump Tip (mm) |    |     | Jaw Tip (mm) |    |    | Weight (kg) |
|----------|-----------|-----------------|------------------|-------------|---------------|----|-----|--------------|----|----|-------------|
|          |           |                 |                  | H           | E             | F  | G   | A            | B  | C  |             |
| 4 Ton    | PR400     | 185             | 255              | 60          | 42            | 22 | 84  | 11           | 6  | 22 | 8.0         |
| 8 Ton    | PR800     | 230             | 350              | 85          | 50            | 25 | 122 | 11           | 10 | 25 | 12.0        |
| 12 Ton   | PR1200    | 270             | 375              | 85          | 60            | 28 | 118 | 14           | 10 | 29 | 12.7        |
| 20 Ton   | PR2000    | 360             | 520              | 111         | 80            | 40 | 161 | 20           | 27 | 33 | 39.3        |
| 30 Ton   | PR3000    | 360             | 550              | 111         | 98            | 50 | 155 | 20           | 27 | 38 | 51.5        |

# SEPARATE HYDRAULIC PULLERS - PACKAGE MODELS

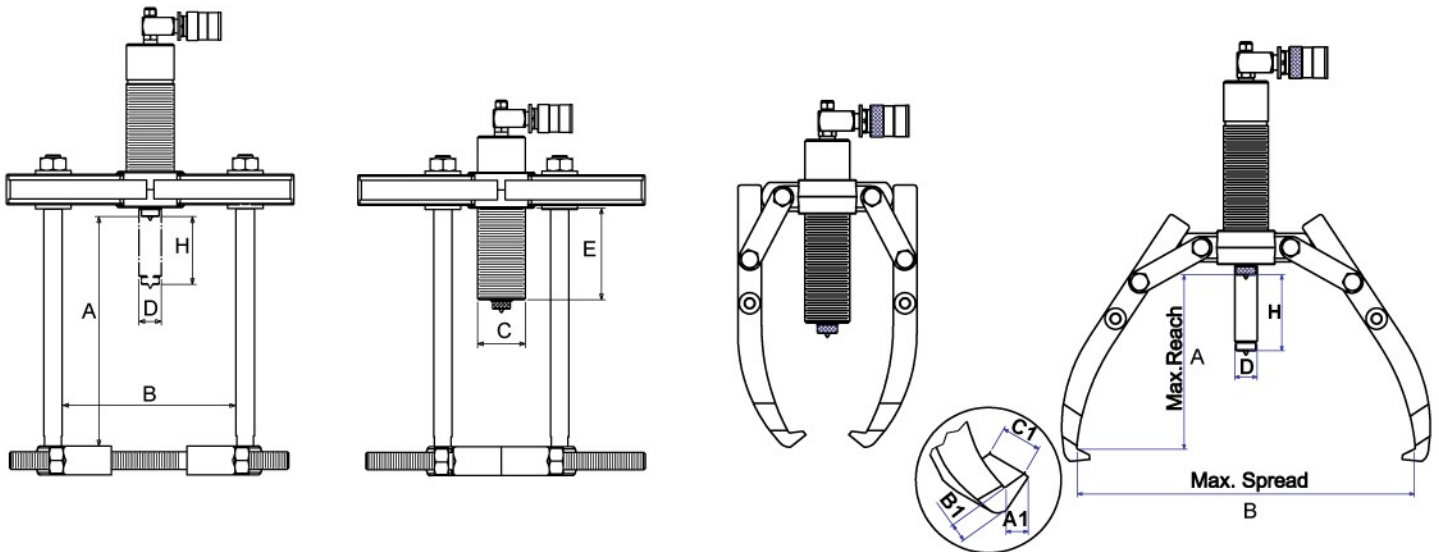
**POWERRAM**  
HYDRAULIC TOOLS

## MODEL: PR420 - PR1220



### FEATURES

- Heat treated & chrome plated hydraulic cylinder rod provides linear force.
- Easily release valve.
- Spring loaded live centering nut for easy job (removable).
- 2 jaws puller cross head with manganous-phosphoate plated for rust proof and durability.
- Heat treated,chrome plated & alloy steel stud for rust proof and free reach.
- Package including puller body, jaw assembly, cross bearing, extension bar and blow molded case for practical and safe works.
- Suggested Hand Pumps:  
4 ~ 12 Ton: PB600BG or AHP701BG  
20 ~ 30 Ton: PB700BG or AHP702BG



### SPECIFICATIONS

| Capacity | Model No. | Reach<br>(Max. mm) | Spread<br>(Max. mm) | Stroke<br>(mm) | Pump Tip (mm) |    |     | Jaw Tip (mm) |    |    | Weight<br>(kg) |
|----------|-----------|--------------------|---------------------|----------------|---------------|----|-----|--------------|----|----|----------------|
|          |           | A                  | B                   | H              | C             | D  | E   | A1           | B1 | C1 |                |
| 4 Ton    | PR420     | 185/224            | 255/145             | 60             | 42            | 22 | 84  | 11           | 6  | 22 | 10.8           |
| 8 Ton    | PR820     | 230/255            | 350/230             | 85             | 50            | 25 | 122 | 11           | 10 | 25 | 17.9           |
| 12 Ton   | PR1220    | 270/298            | 375/310             | 85             | 60            | 28 | 115 | 14           | 10 | 29 | 12.7/21.3      |

# HYDRAULIC EASY PULLERS

**POWERRAM**  
HYDRAULIC TOOLS

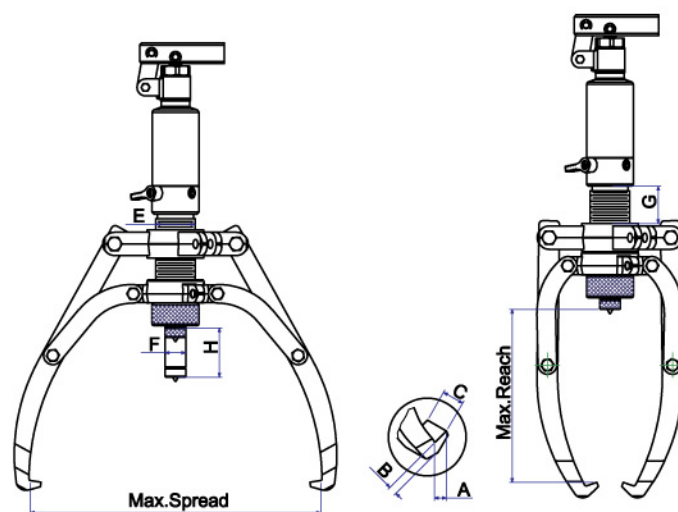
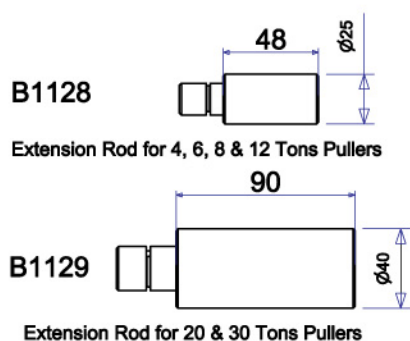
The first 2/3 way Hydraulic Easy Puller in the world !



## FEATURES

- Self-centering and fast-acting jaws are absolutely user-friendly for operating.
- 360° Rotary socket can be operated in all direction.
- The extension rods can be used for extra reach when necessary.
- The self-contained hydraulic pump provide easy job without the necessary of additional cylinder, pump & hose.
- The integral safety valve can prevent the puller being overloaded.
- The convertible 2 / 3 way hydraulic easy puller provide the best and cost saving choice for the users.

Puller Assembled Package



## SPECIFICATIONS

| Capacity | Model No. | Max. Spread (mm) | Min. Reach (mm) | Min. Spread (mm) | Max. Reach (mm) | Stroke (mm) | Pump Tip (mm) |    |    | Jaw Tip (mm) |      |      | Weight (kg) |
|----------|-----------|------------------|-----------------|------------------|-----------------|-------------|---------------|----|----|--------------|------|------|-------------|
|          |           |                  |                 |                  |                 | H           | E             | F  | G  | A            | B    | C    |             |
| 4 Ton    | PME400    | 315              | 150             | 43               | 190             | 60          | 42            | 22 | 40 | 13           | 10   | 22   | 9.3         |
| 6 Ton    | PME600    | 390              | 185             | 45               | 230             | 70          | 45            | 23 | 50 | 13           | 10   | 22   | 9.8         |
| 8 Ton    | PME800    | 460              | 225             | 95               | 280             | 85          | 50            | 25 | 70 | 13           | 13   | 27.5 | 15.3        |
| 12 Ton   | PME1200   | 515              | 240             | 100              | 300             | 85          | 60            | 28 | 70 | 15           | 16.5 | 29   | 18.4        |
| 20 Ton   | PME2000   | 520              | 250             | 110              | 325             | 111         | 80            | 40 | 62 | 18           | 20   | 33   | 46.0        |
| 30 Ton   | PME3000   | 620              | 330             | 120              | 415             | 111         | 98            | 50 | 85 | 18           | 20   | 38   | 61.8        |

Patented in USA, Germany, Taiwan, P.R.C.....etc.

# SEPARATE HYDRAULIC EASY PULLERS

**POWERRAM**  
HYDRAULIC TOOLS

## MODEL:PRE SERIES



PRE800



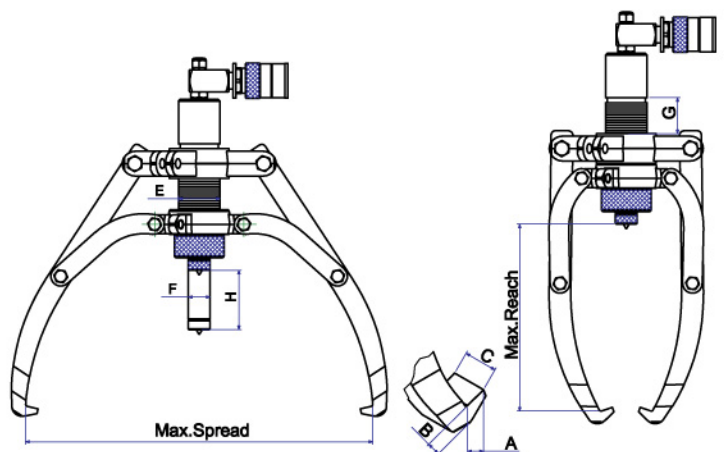
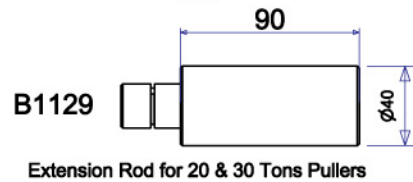
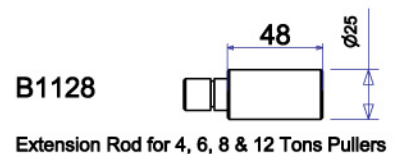
PRE1200



PRE2000

### FEATURES

- Self-centering and fast-acting jaws are absolutely user-friendly for operating.
- 360° Rotary socket can be operated in all direction.
- The extension rods can be used for extra reach when necessary.
- The integral safety valve can prevent the puller being overloaded.
- The convertible 2 / 3 way hydraulic easy puller provide the best and cost saving choice for the users.
- Suggested Hand Pumps:  
4 ~ 12 Ton: PB600BG or AHP701BG  
20 ~ 30 Ton: PB700BG or AHP702BG



### SPECIFICATIONS

| Capacity | Model No. | Max. Spread (mm) | Min. Reach (mm) | Min. Spread (mm) | Max. Reach (mm) | Stroke (mm) | Pump Tip (mm) |    |    |    | Jaw Tip (mm) |      |      | Weight (kg) |
|----------|-----------|------------------|-----------------|------------------|-----------------|-------------|---------------|----|----|----|--------------|------|------|-------------|
|          |           |                  |                 |                  |                 | H           | E             | F  | G  | A  | B            | C    |      |             |
| 4 Ton    | PRE400    | 315              | 150             | 43               | 190             | 60          | 42            | 22 | 40 | 13 | 10           | 22   | 7.4  |             |
| 8 Ton    | PRE800    | 460              | 225             | 95               | 280             | 85          | 50            | 25 | 70 | 13 | 13           | 27.5 | 14.0 |             |
| 12 Ton   | PRE1200   | 515              | 240             | 100              | 300             | 85          | 60            | 28 | 70 | 15 | 16.5         | 29   | 17.0 |             |
| 20 Ton   | PRE2000   | 520              | 250             | 110              | 325             | 111         | 80            | 40 | 62 | 20 | 27           | 33   | 36.7 |             |
| 30 Ton   | PRE3000   | 620              | 330             | 120              | 415             | 111         | 98            | 50 | 85 | 20 | 27           | 38   | 56.5 |             |

Patented in USA, Germany, Taiwan, P.R.C.....etc.

# PUSH PULLER / THREE-IN-ONE

**POWERRAM**  
HYDRAULIC TOOLS

The first Three-in-one push puller in the world !



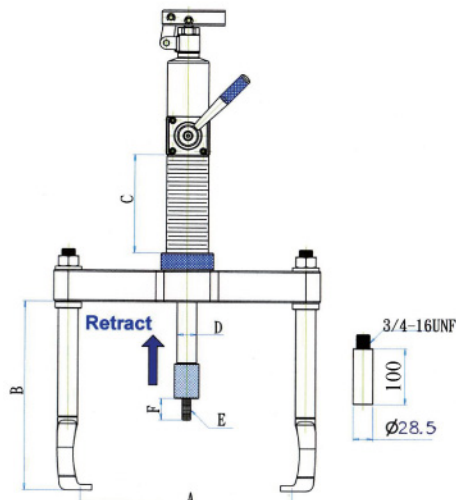
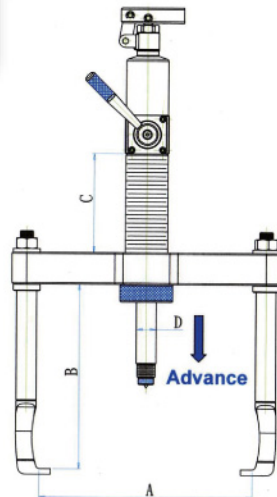
PD12080

## SIMPLE, EASY

The patented unique design provides the users to get the three-in-one tool for installing, outer pulling and inner pulling with the great convenience and safety.

The push puller is specially designed for having combined works on pushing and pulling. This creates one tool to provide the both of most even force for pushing and pulling with great convenience.

The pushing jaw heads on the inner ring of the bearing which prevents the force and/or heat from being transmitted through the outer ring and the rolling parts, minimizing the risk of bearing damaged.



INNER PULLING



PUSHING



OUTER PULLING



MD6203

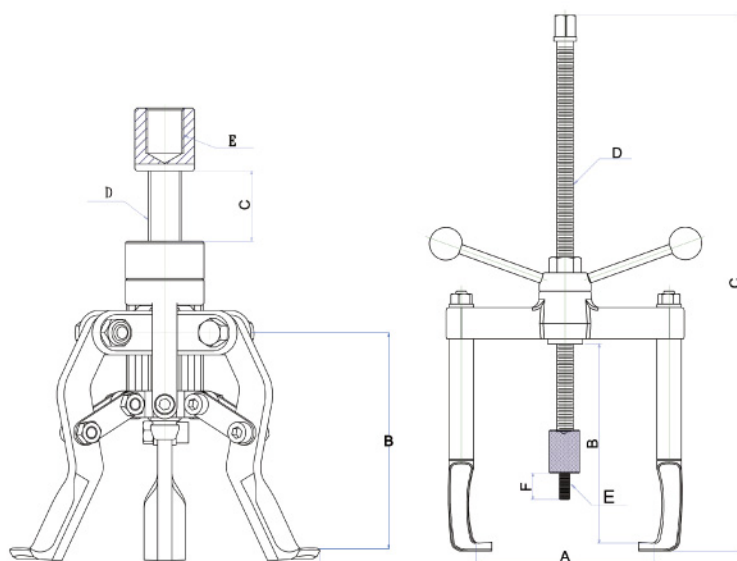
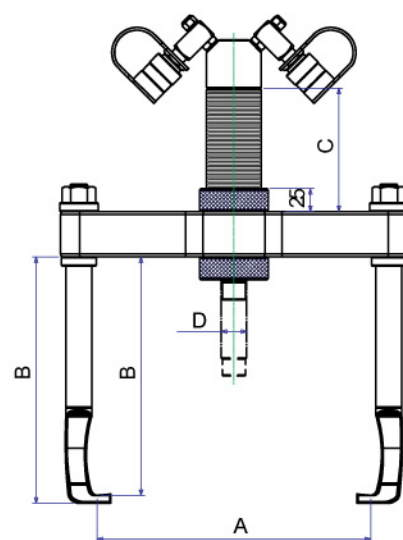
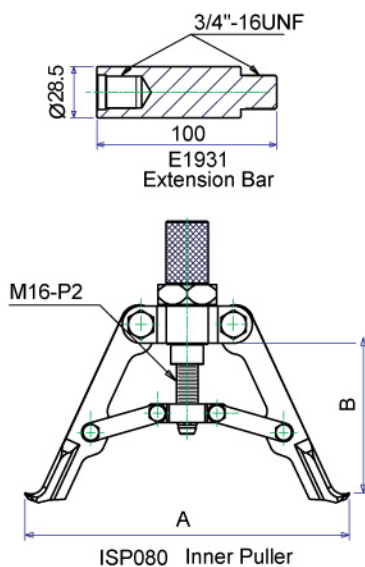
# PUSH PULLER / THREE-IN-ONE

**POWERRAM**  
HYDRAULIC TOOLS

The first Three-in-one push puller in the world !



PDR12080



## USER-FRIENDLY

- Unique & Patented double action pump body to provide the pushing and pulling force.
- Unique jaw design for installing and outer pulling without removing and changing.
- Three jaw structure provides the even and constant force whenever for installing, outer pulling and inner pulling.
- The extension bars can be used where necessary for reach.
- Self-centering design on inner puller provides the even force and prevent the jaws from sliding off during operating.

## SAFE

- The built-in safety valve prevents the user being harmed and work object being damaged by rated pressure which can not be reset or adjusted.
- Most parts are forged SCM440 alloy steel, creating a durable and safe product.

## COST SAVING

- The Three-in-One design reduces tool-reset time and duration of operation.
- This push puller is ideal for installing and dismantling a wide variety of press-fit parts, including bushings, wheels, bearings, gears and pulleys.

## SPECIFICATIONS

| Model No. | Operation     | Output (Tons) | A (mm) | B (mm)  | C (mm) | D (mm)     | E (mm)     | F (mm) | Weight (kgs) |
|-----------|---------------|---------------|--------|---------|--------|------------|------------|--------|--------------|
| PD12080   | Installing    | 8             | 44-280 | 270     | 140    | 28         | M12-P1.75  | 30     | 36           |
|           | Outer Pulling | 12            | 85-300 | 260     | 140    | 28         | ---        | ---    | ---          |
|           | Inner Pulling | 8             | 90-245 | 130-150 | ---    | ---        | 1"-12UNF   | ---    | ---          |
| PDR12080  | Installing    | 8             | 44-280 | 270     | 140    | 28         | M12-P1.75  | 30     | 34           |
|           | Outer Pulling | 12            | 85-300 | 260     | 140    | 28         | ---        | ---    | ---          |
|           | Inner Pulling | 8             | 90-245 | 130-150 | ---    | ---        | 1"-12UNF   | ---    | ---          |
| MD6203    | Installing    | 8             | 70-206 | 240     | 720    | 3/4"-10UNC | M12-P1.75  | 30     | 12           |
|           | Outer Pulling | 8             | 29-186 | 230     | 720    | 3/4"-10UNC | ---        | ---    | ---          |
|           | Inner Pulling | 8             | 52-150 | 130-150 | 34     | 5/8"-11UNC | 3/4"-10UNC | ---    | ---          |

Hand pumps suggested for PDR12080: AHP701D or P550D.

# TRI-SECTION PLATES



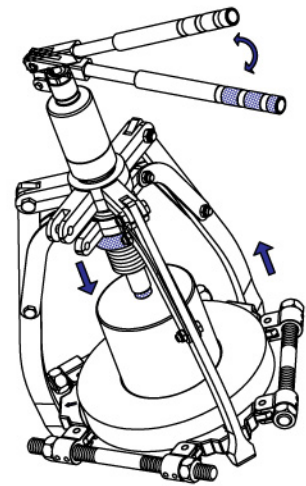
Spreading - Rear Side



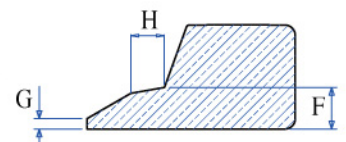
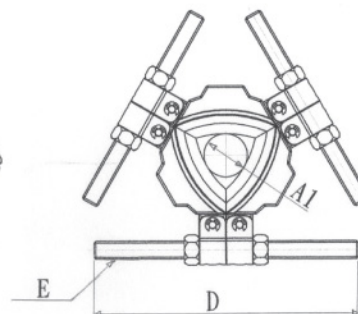
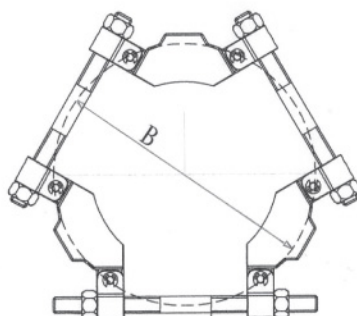
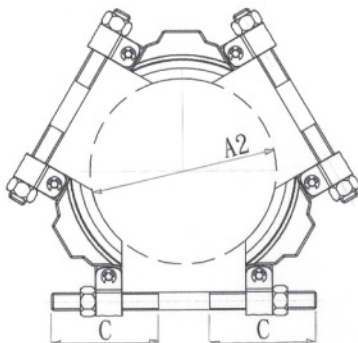
Spreading - Front Side

## USER-FRIENDLY & SAFE

- Unique & patented swivel design creates the max. spread.
- The tri-section construction provides the even force distribution, preventing bearing from locking and/or tilting on the shaft during dismantling.
- Suitable for combination usage with all three-armed hydraulic pullers.
- Available in a wide range, covering the most common shaft sizes.
- The firm grip behind inner and outer rings of bearing ensures the pulling force being transmitted through the moving parts and preventing the damaging of bearing.



Easy Operating



## SPECIFICATIONS ( mm )

| Model No. | Available Shaft Dia. |     | Spread<br>B (Max.) | C   | D   | E            | F  | G | H   | Capacity<br>(Ton) | Weight<br>(kg) |
|-----------|----------------------|-----|--------------------|-----|-----|--------------|----|---|-----|-------------------|----------------|
|           | A1                   | A2  |                    |     |     |              |    |   |     |                   |                |
| ET3-160   | 26                   | 160 | 216                | 105 | 240 | 5/8"-11UNC   | 8  | 2 | 6.5 | 6                 | 3.5            |
| ET3-210   | 50                   | 210 | 280                | 117 | 285 | 7/8"-14UNF   | 10 | 2 | 9   | 8                 | 5.5            |
| ET3-340   | 90                   | 340 | 460                | 175 | 430 | 1 1/4"-12UNF | 14 | 2 | 8   | 20                | 18             |
| ET3-495   | 140                  | 495 | 660                | 235 | 610 | 1 3/4"-12UNF | 20 | 2 | 12  | 30                | 45             |

# TRI-SECTION PULLERS

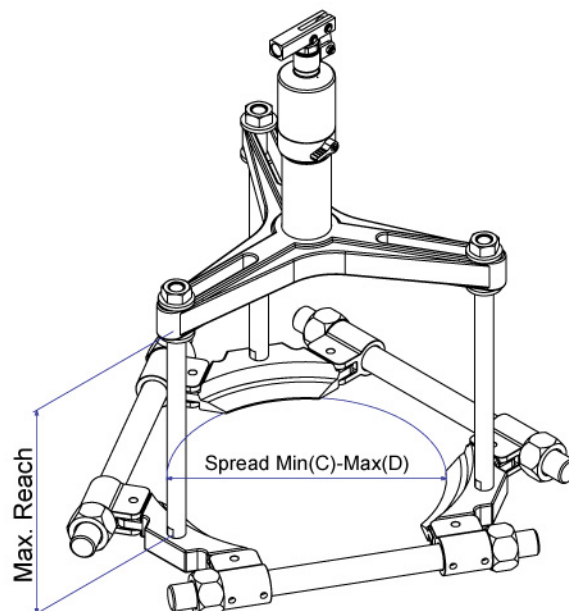
**POWERRAM**  
HYDRAULIC TOOLS



Steel Case - Package

## FEATURES

- The set including Tri-section plate for convenient and safe pulling job.
- Wedge-shaped edge allows removal of the most hard-to-grip components.
- The firm grip behind bearing's inner & outer rings ensures the pulling force not to be transmitted through the rolling parts.
- The tri-section plates design creates the most even force distribution and the maximizing spread.



## SPECIFICATIONS

| Capacity | Model No. | Reach<br>(Max. mm) | Spread (mm) |          | Optional<br>Pump Body | Overall Width<br>(mm) | Weight<br>(kg) |
|----------|-----------|--------------------|-------------|----------|-----------------------|-----------------------|----------------|
|          |           |                    | C (Min.)    | D (Max.) |                       |                       |                |
| 4 Ton    | P3412     | 211                | 30          | 160      | PM401                 | 240                   | 20             |
| 6 Ton    | P3612     | 243                | 50          | 210      | PM601                 | 285                   | 30             |
| 8 Ton    | P3812     | 243                | 50          | 270      | PM801                 | 460                   | 34             |
| 12 Ton   | P31212    | 284                | 90          | 340      | PM1201                | 660                   | 68             |

# Universal Bearing Attachments

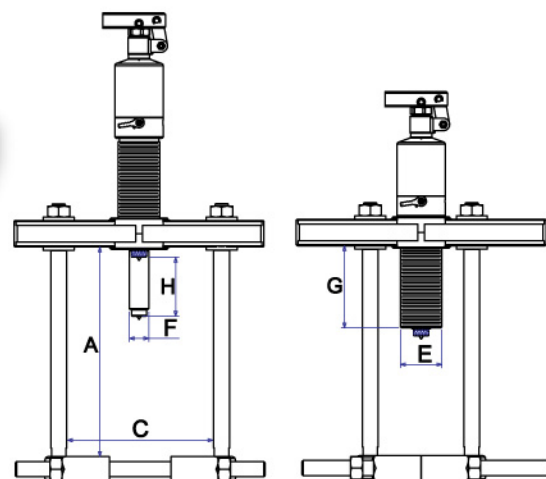
## Cross Bearing Pullers

**POWERRAM**  
HYDRAULIC TOOLS



### FEATURES

- Forged of high strength steel alloy.
- Heat treated, Chrome plated for rust proof and durable life.
- Wedge-shaped edges allow removal of the most hard-to-grip components.
- Cross bearing pullers are easy to be applied on the most difficult parts for fast and efficient removal.



### TECHNICAL DATA - Cross Bearing Pullers

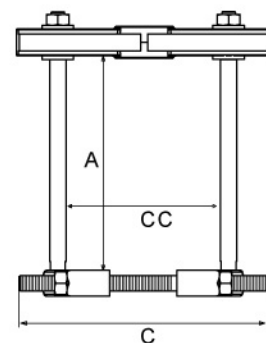
| Model No. | Capacity (Ton) | Reach (Max. mm) A | Spread (Max. mm) C | Stroke (mm) H | Pump Tip (mm) |    |     |
|-----------|----------------|-------------------|--------------------|---------------|---------------|----|-----|
|           |                |                   |                    |               | E             | F  | G   |
| PM410     | 4              | 224               | 145                | 60            | 42            | 22 | 84  |
| PM610     | 6              | 255               | 220                | 70            | 45            | 23 | 90  |
| PM810     | 8              | 255               | 230                | 85            | 50            | 25 | 122 |
| PM1210    | 12             | 298               | 310                | 85            | 60            | 28 | 115 |

\* Including the hydraulic pump body and bearing attachment.

### TECHNICAL DATA - Accessory Set

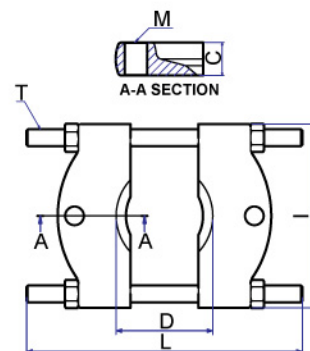
| Model No. | Capacity (Ton) | A (mm) | D (mm) Min-Max | C (mm) | CC (mm) Min-Max | Thread (inch) | Bearing Attachment | Weight (kgs) |
|-----------|----------------|--------|----------------|--------|-----------------|---------------|--------------------|--------------|
| P412      | 4              | 224    | 12 - 70        | 163    | 100 - 145       | 1/2"- 13UNC   | YC9015             | 6.5          |
| P612      | 6              | 255    | 28 - 150       | 260    | 115 - 220       | 5/8"- 11UNC   | YC9025             | 10.5         |
| P812      | 8              | 255    | 28 - 150       | 260    | 110 - 230       | 5/8"- 11UNC   | YC9025             | 11.5         |
| P1212     | 12             | 298    | 20 - 200       | 360    | 140 - 310       | 3/4"- 10UNC   | YC9035             | 20.0         |

\* Excluding the hydraulic pump body.



### TECHNICAL DATA - Bearing Attachments

| Model No. | D Min - Max (mm) | C (mm) | L (mm) | I (mm) | ØT (inch) | ØM (inch) | Weight (kgs) |
|-----------|------------------|--------|--------|--------|-----------|-----------|--------------|
| YC9005    | 5-60             | 17     | 120    | 92     | 3/8-24UNF | 3/8-16UNC | 0.7          |
| YC9010    | 15-60            | 20     | 135    | 130    | 1/2-20UNF | 3/8-16UNC | 1.5          |
| YC9015    | 12-70            | 27     | 165    | 156    | 5/8-18UNF | 1/2-12UNC | 2.6          |
| YC9025    | 28-150           | 33     | 275    | 207    | 3/4-16UNF | 5/8-11UNC | 5            |
| YC9035    | 20-200           | 38.5   | 350    | 240    | 1-14UN    | 3/4-10UNC | 10           |
| YC9035A   | 20-200           | 38.5   | 350    | 240    | 1-14UN    | 1-14UN    | 11.0         |



# 50 TON EASY PULLER

**POWERRAM**  
HYDRAULIC TOOLS



## FEATURES

- Double acting cylinder for holding, opening and closing the jaws for safe and secure grip on job.
- The easy jaw operating system prevent puller jaws from sliding and/or springing off the work object always.
- Self-centering design keeps the arms slide inwards or outwards simultaneously.
- Electric Pump advances and retracts the pushing cylinder only to prevent operating errors from happening.
- 50 Ton Cylinder is single-acting, spring return type with a maximum working pressure of 10,000 psi.
- Electric Hydraulic pump is two stage version ; the low pressure stage provides the fast stroking to save time ; the high pressure stage is controlled by remote hand switch.
- Puller can be adjusted 5 degree vertically.
- The cart has two swivel castors which can provide the movement of cart easily.

- Four extensions are included for the needs on extra stroke.
- PRE50T is designed as the competitive version for costwise option.

**\* This model is patented in Taiwan & Germany, and patent pending in USA & PRC.**

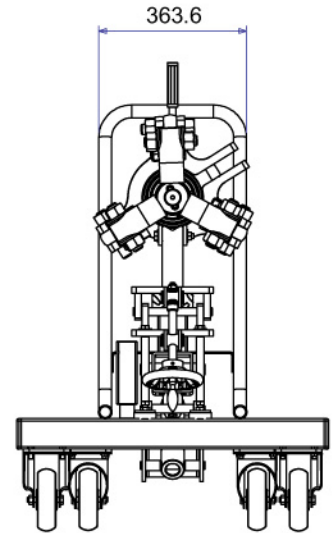
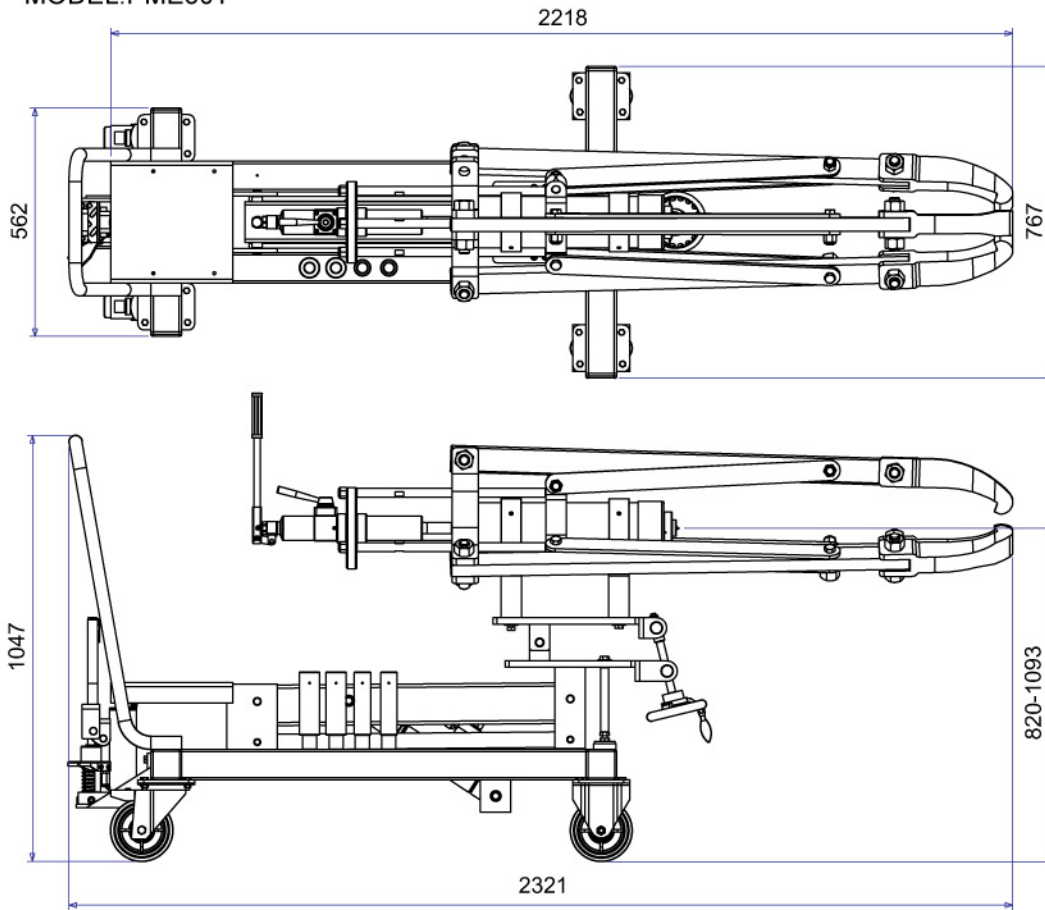
PRE50T  
( Short Jaw Model )



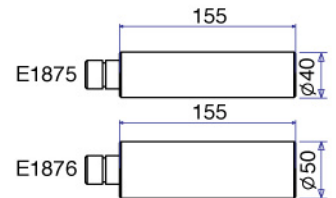
# 50 TON EASY PULLER

**POWERRAM**  
HYDRAULIC TOOLS

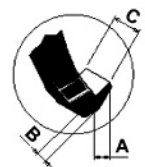
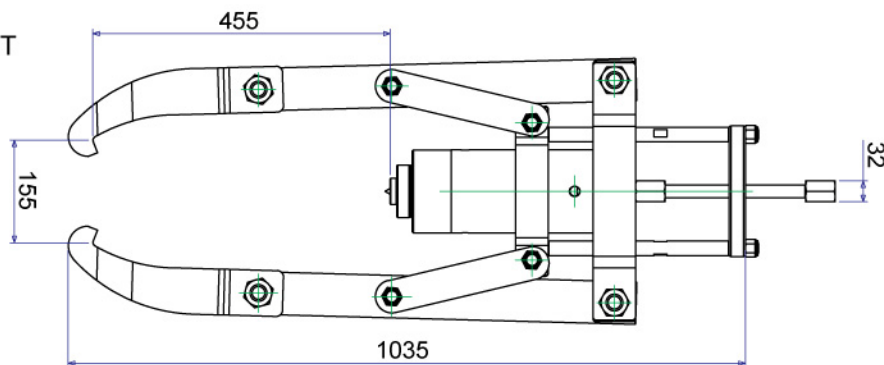
MODEL:PME50T



Extension Rods



MODEL:PRE50T



Jaw Tip

## SPECIFICATIONS

| Model No. | Reach (Max/mm) | Spread (Min-Max) | Stroke (mm) | Overall Dimensions (mm) | Power Source | Weight (kgs) | Jaw Tip |    |    | Extension Rod*** |       |
|-----------|----------------|------------------|-------------|-------------------------|--------------|--------------|---------|----|----|------------------|-------|
|           |                |                  |             |                         |              |              | A       | B  | C  | E1876            | E1875 |
| PME50TE*  | 780            | 200-1250         | 330         | 2545x800x1155           | 220V / 50Hz  | 400          |         |    |    | 2                | 2     |
| PME50T    | 780            | 200-1250         | 330         | 2545x800x1155           | ---          | 369          | 23      | 35 | 60 | 2                | 2     |
| PRE50T**  | 455            | 160-860          | 159         | 364x1035                | ---          | 140          |         |    |    | 1                | 1     |

\* This model is equipped with Electric Pump - EP18S.

\*\* The hand pump is not included in this model, recommend model is AHP703.

\*\*\* Quantity of extension rod are included.

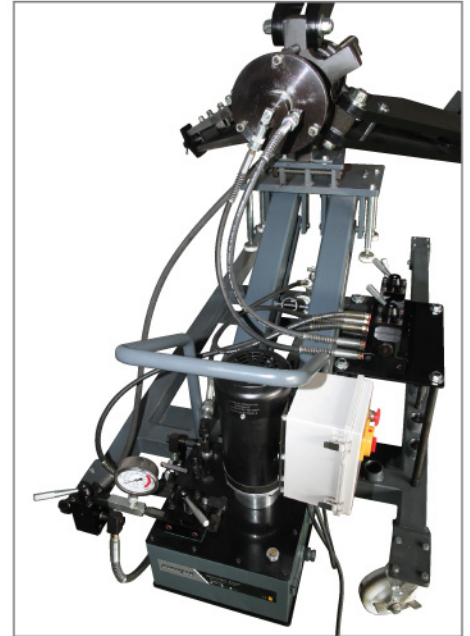
## ELECTRIC PUMP - Specification

| Model No. | Acting | Reservoir Capacity (c.c.) | Function          | Motor                                   | Oil Del. ( c.c./min. @ ) |         |          |           |
|-----------|--------|---------------------------|-------------------|---|--------------------------|---------|----------|-----------|
|           |        |                           |                   |   | 0 psi                    | 100 psi | 5000 psi | 10000 psi |
| EP18S     | Single | 8000                      | Adv./Hold/Retract | 0.45KW 220V<br>50/60 Hz<br>Single Phase | 4000                     | 2800    | 330      | 280       |

# 100 & 150 TON EASY PULLER

**POWERRAM**  
HYDRAULIC TOOLS

Simple & Easy, User-Friendly,  
Safety and Cost Saving - Our Goals Always!



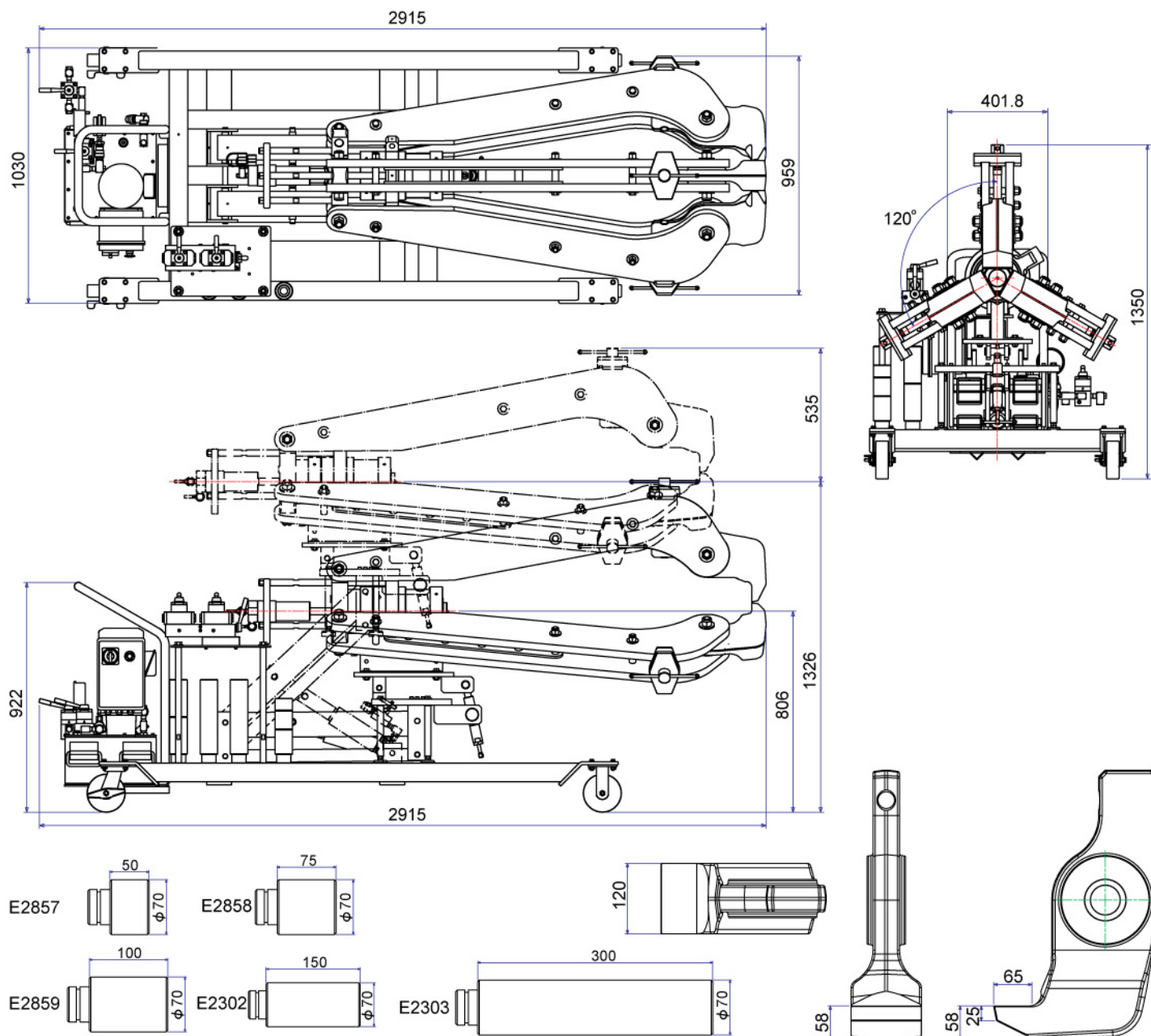
## FEATURES

- Double acting hydraulic system for holding, opening & closing jaws for safe & secure grip on work object always.
- Self-centering design keeps puller jaws clamp work object evenly and automatically.
- Electrical Hydraulic Pump advances and retracts the pushing cylinder only to prevent operating errors from happening.
- The easy jaw head adjusting system prevents puller jaws from sliding and spring off the work object being pulled always.
- Puller can be converted into 2 or 3-WAY configurations.
- Puller can be adjusted with 5 degree up/down of puller centerline for precisely positioning.
- The cart swivel castors provide movement of cart easily.
- Electrical Hydraulic Pump is two stage version ; the low pressure stage provides the fast stroking to save time ; the high pressure stage is controlled by remote switch.
- 100 Ton Cylinder is 2-stages, spring return type with a maximum working pressure of 10,000 psi.
- Five extension adapters are standard attachments for the needs on extra stroke.
- **Integrated Control System for operating Lift and Push easily and efficiently by Electric Pump only. ( Equipment on requesting )**

**\* These models are patented in Taiwan & Germany, and patent pending in USA & PRC.**

# 100 TON EASY PULLER

**POWERRAM**  
HYDRAULIC TOOLS



## EXTENSIONS & JAW TIP

| Part No. | Dia. (mm) | Length (mm) | Qty (pc) | Jaw Tip Dimensions (mm)                                   |
|----------|-----------|-------------|----------|---|
| E2857    | 70        | 50          | 1        | Tip Depth: 65<br>Tip Clearance: 25 - 58<br>Tip Width: 120 |
| E2858    |           | 75          | 1        |   |
| E2859    |           | 100         | 1        |   |
| E2302    |           | 150         | 2        |   |
| E2303    |           | 300         | 2        |   |

## SPECIFICATIONS

| Model No. | Reach (Min-Max) | Spread (Min-Max) | Stroke (mm) | Overall Dimensions (mm) | Power Sources | Weight (kgs) |
|-----------|-----------------|------------------|-------------|-------------------------|---------------|--------------|
| PME100T   | 952-1220        | 300-1500         | 270         | 2915x1035x1350          | - - -         | 1120         |
| PME100TE* | 952-1220        | 300-1500         | 270         | 2915x1035x1350          | - - -         | 1185         |

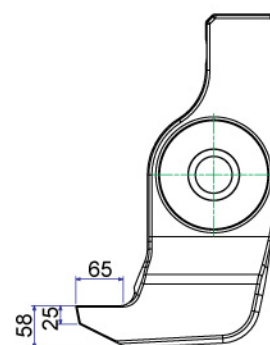
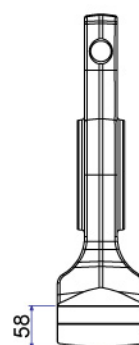
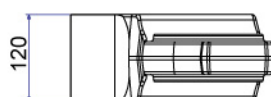
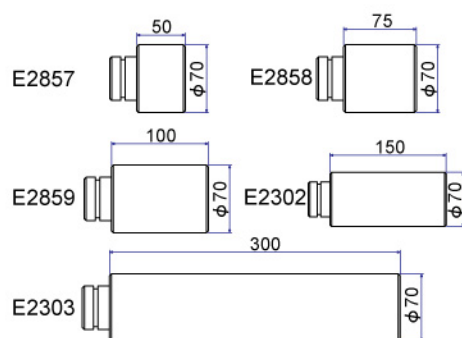
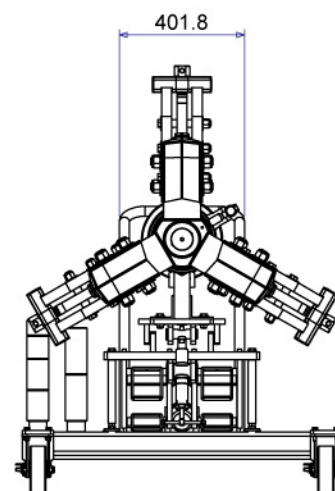
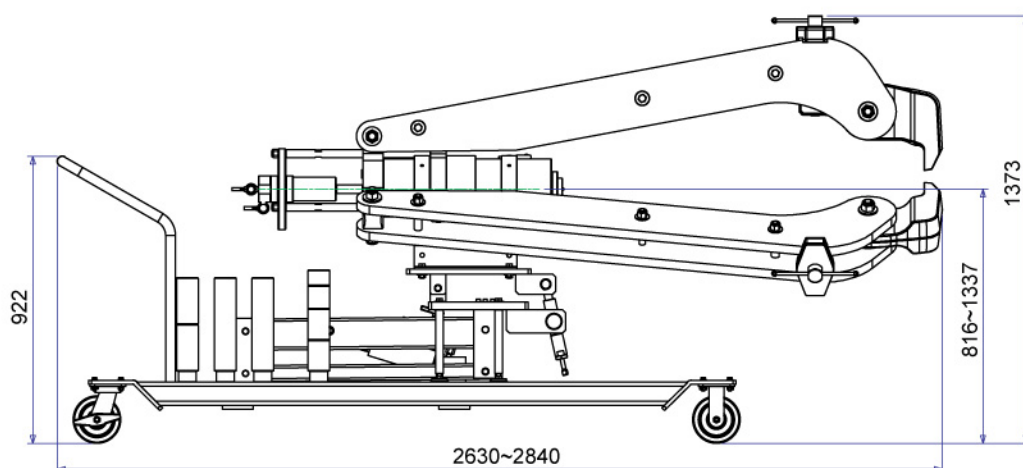
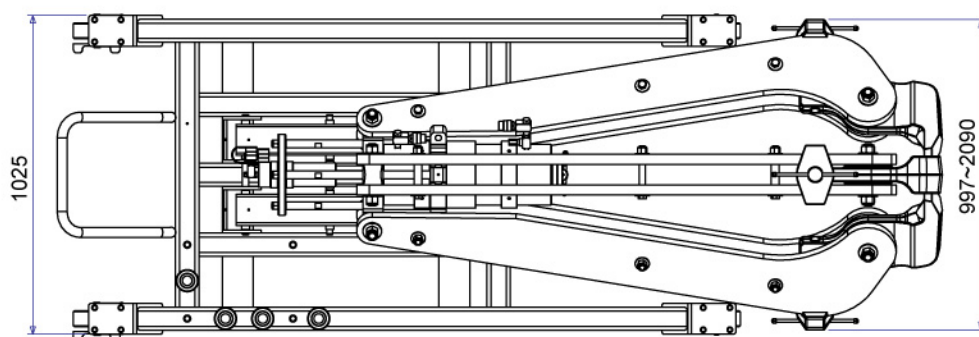
\* This model is equipped with the Electric Pumps according to Customer's requirement.

### \* ELECTRIC PUMPS:

We suggest two models of EP211 & EP420 as the options.  
Please contact with our distributors for further information.

# 150 TON EASY PULLER

**POWERRAM**  
HYDRAULIC TOOLS



## EXTENSIONS & JAW TIP

| Part No. | Dia. (mm) | Length (mm) | Qty (pc) | Jaw Tip Dimensions (mm)                                   |
|----------|-----------|-------------|----------|---|
| E2857    | 70        | 50          | 1        | Tip Depth: 65<br>Tip Clearance: 25 - 58<br>Tip Width: 120 |
| E2858    |           | 75          | 1        |   |
| E2859    |           | 100         | 2        |   |
| E2302    |           | 150         | 2        |   |
| E2303    |           | 300         | 2        |   |

## SPECIFICATIONS

| Model No. | Reach (Min-Max) | Spread (Min-Max) | Stroke (mm) | Overall Dimensions (mm) | Power Sources | Weight (kgs) |
|-----------|-----------------|------------------|-------------|-------------------------|---------------|--------------|
| PME150T   | 970-1175        | 300-1650         | 330         | 2990x1030x1390          | - - -         | 1200         |
| PME150TE* | 970-1175        | 300-1650         | 330         | 2990x1030x1390          |               |              |

\* This model is equipped with the Electric Pump - EP420 & Control Panel System.

# 100 Ton Push Puller ( Railroad Version )

**POWERRAM**  
HYDRAULIC TOOLS



Accessory Set for Metric & Inch ( Class B ~ F )

Accessory Set for Inch ( Class G ~ GG )

## FEATURES

- Dismantle or Install the tapered roller bearings easily and efficiently.
- Specially designed for the major bearing manufacturers.
- The simple, efficient and easy operation provided with the pulling force - 100 Ton.
- Single Unit with portable design for easy, convenient positioning and saving storage space much.
- The basic equipment in most wheel shops.

## Universal railroad axle journal roller bearing push puller

Now, we are available to provide the basic tool in the most wheel shops for dismantling and installing the axle journal roller bearings. With this proper equipment and know-how, you can save the maximum of time and effort on maintenance for sure.

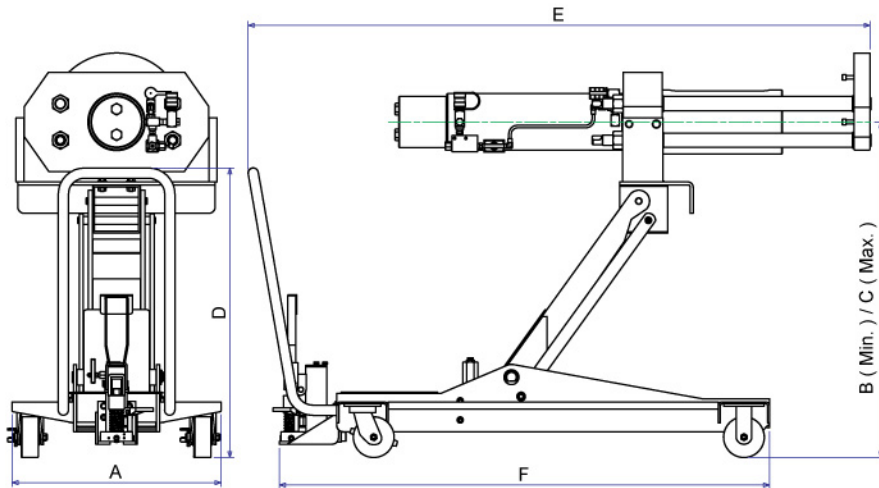
From class B through GG, each unit service a full line of bearings with rotating end caps. Simply remove the end caps, slip the pulling shoe between the bearings and the wheel, start the pump, the bearing being removed within seconds under the pulling force of 100 Ton easily.

The pulling shoe and installing tube ensure the most convenient and fast installation. 100-ton hydraulic cylinder is working under 10,000 psi always.

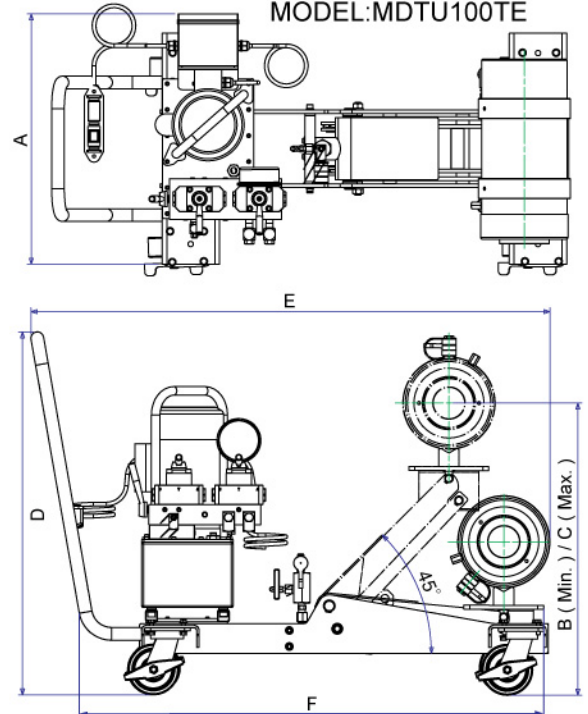
# 100 Ton Push Puller ( Railroad Version )

**POWERRAM**  
HYDRAULIC TOOLS

MODEL: BRBP100T



MODEL: MDTU100TE



## Accessory Set order information - IMPORTANT...

This accessory chart applies only to AAR configuration for vehicle maintenance applications.

### Class & Size of bearing assembly - TBU & SP " Metric Accessories "

| Accessory Description           | #120  | #130  | #140  | #150  |
|---------------------------------|-------|-------|-------|-------|
| Pulling Shoe Insert Adapter     | F0436 | F0437 | F0438 | F0439 |
| Guide Tube & Cap Screw Assembly | E2601 | E2602 | E2603 | E2604 |
| Cap Screw**                     | H0421 | H0421 | H0421 | H0422 |
| Guide Tube Adapter              | B1248 | B1248 | B1248 | B1248 |
| Installing Tube Adapter Ring    | D1031 | D1032 | D1033 | D1034 |

### Class & size ( inch ) of bearing assembly to be serviced

| Accessory Description           | Class B<br>4¼" x 8"                            | Class C<br>5" x 9" | Class D<br>5½" x 10" | Class E<br>6" x 11" | Class EE<br>5½" Axle. | Class EE<br>6" Axle. | Class F<br>6½" x 12" | Class G<br>7" x 12" | Class G<br>6½" Axle. | Class GG<br>6½" Axle. |
|---------------------------------|--|--------------------|----------------------|---------------------|-----------------------|----------------------|----------------------|---------------------|----------------------|-----------------------|
| Pulling Shoe                    | No. F0442 is included as part of basic machine |                    |                      |                     |                       |                      |                      | F0443               | F0443                | F0443                 |
| Pulling Shoe Insert Adapter     | F0440  | F0437              | F0438                | F0439               | F0439                 | F0441                | F0441                | ---                 | ---                  | ---                   |
| Guide Tube & Cap Screw Assembly | F0435-1  | F0435-2            | E2605                | E2606               | E2607                 | E2608                | E2609                | E2611               | E2610                | E2612                 |
| Cap Screw**                     | H0423  | H0424              | H0425                | H0426               | H0427                 | H0425                | H0428                | H0430               | H0429                | H0429                 |
| Guide Tube Adapter              | B1247  | B1246              | B1246                | B1248               | B1248                 | B1248                | B1248                | B1248               | B1248                | B1248                 |
| Installing Tube                 | No. D1044 is included as part of basic machine |                    |                      |                     |                       |                      |                      | D1045               | D1045                | D1045                 |
| Installing Tube Adapter Ring    | B1243  | D1037              | D1038                | D1039               | D1039                 | D1040                | D1040                | D1042               | D1041                | D1041                 |

Note: Adapter listed above are for servicing the following roller bearing assemblies: Brenco " Crown-Taper ", New Departure-Hyatt " HyRoll Taper ", SKF " Expediter " and Timken " AP ".

\* Screws are supplied with the guide tube and should be ordered as replacements only.

## SPECIFICATIONS

| Model No.  | Stroke (mm) | Capacity (Ton) |       | A (mm) | B (mm) | C (mm) | D (mm) | E (mm)    | F (mm) | Weight (kg) |
|------------|-------------|----------------|-------|--------|--------|--------|--------|-----------|--------|-------------|
|            |             | Pull           | Inst. |        |        |        |        |           |        |             |
| BRBP100T   | 392         | 100            | 68    | 652    | 370    | 1047   | 900    | 1940-2209 | 1530   | 590         |
| BRBP100TE* | 392         | 100            | 68    | 652    | 370    | 1047   | 900    | 1940-2209 | 1530   | 805         |
| MDTU100TE* | 254         | 100            | 68    | 627    | 384    | 731    | 909    | 1299      | 1175   | 410         |

\* This model is equipped with the Electric Pump - EP211D.

## ELECTRIC PUMP - Specifications

| Model No. | Acting | Reservoir Capacity (c.c.) | Function           | Motor                             | Oil Del. ( c.c./min. @ ) |          |           |            |
|-----------|--------|---------------------------|--------------------|-----------------------------------|--------------------------|----------|-----------|------------|
|           |        |                           |                    |                                   | 0(psi)                   | 100(psi) | 5000(psi) | 10000(psi) |
| EP211D    | Double | 11000                     | Adv./Hold /Retract | 1.12KW 220V 50/60 Hz Single Phase | 8200                     | 7400     | 840       | 750        |