

Model Shown:

RT302, RT1004



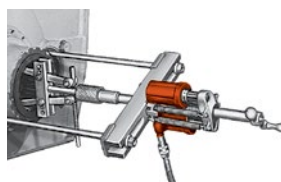
>Features

IDEAL FOR PULLING AND PRESSING APPLICATION, REQUIRING HIGHER FORCES.

- Cylinders withstand full “dead-end” loads.
- Compact design is ideal for applications in which space is limited.
- Basic head can be changed from a tapped hole to plain hole by simply changing the insert.
- Pistons have “Power-Tech” treatment for corrosion and abrasion resistance.
- Complies with ANSI / ASME B30.1 Safety Standards.



Center Hole Design Cylinders



RT Series pullers are equipped with a through hole design for additional applications and uses for pulling requiring high force.



Optional Plain Head Cylinder Inserts



Switch from a tapped hole to a plain hole quickly with these cylinder head inserts. They are held in place with a socket screw. Plain hole permits use of a speed nut for re-adjusting cylinder after extension.

| For Use With: | Threaded Order No. | Plain Order No. |
|---------------|--------------------|-----------------|
| RT172 | 21669 | 21714 |
| RT302 | 21873 | 21872 |
| RT503 | 22274 | 22275 |
| RT1004 | 24197 | 24196 |

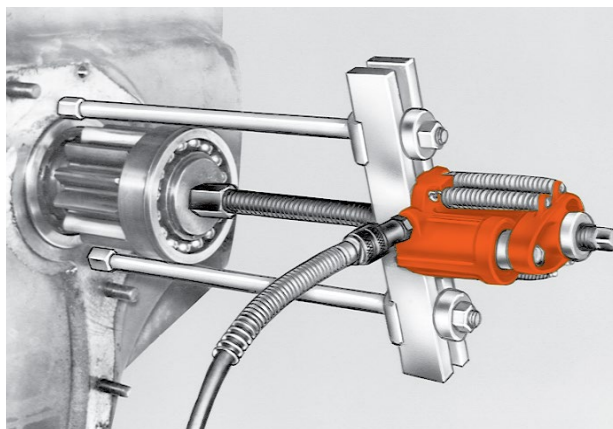


Learn More - About Hydraulic Safety Insight



Looking for great safety suggestions? Visit our Resource Section to get a better understanding of hydraulic and mechanical safety insights on what to look for when working around hydraulics.

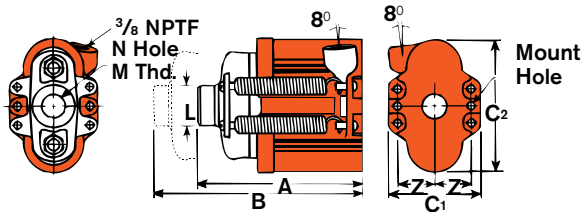
▶ RT Series center hole cylinder is versatile for strand or pull applications



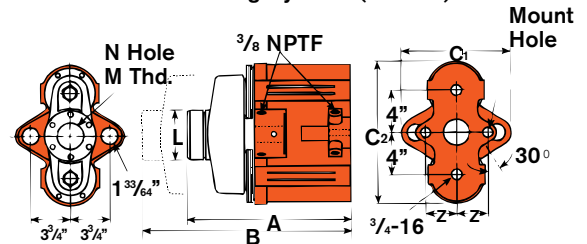
Technical Dimensions, Base Mounting Holes

Dimensions for reference only.

Single-Acting, Spring Return Cylinders



Double-Acting Cylinder (RT1004)



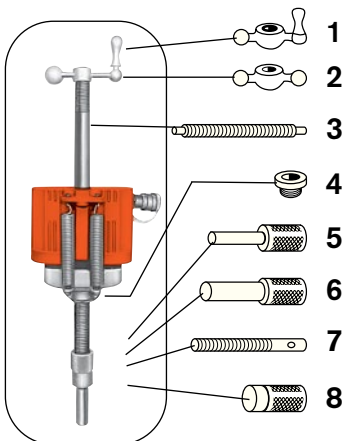
Ordering Information

| Cyl. Cap. | Stroke | Order No. | Oil Cap. | | A | B | C1 | C2 | L | M | N | Z | Mount Hole | Cylinder Effective Area | Int. Press. at Cap. | Tons at 10,000 | Prod. Wt . |
|-----------|--------|-----------|-----------|--------|--------------------|-------------------|--------------|-------|---------------|-----------------|------------------|---------------------|------------|-------------------------|---------------------|----------------|------------|
| | | | | | Retract- ed Height | Extend- ed Height | Outside Dia. | | Load Cap Dia. | Load Cap Thread | Center Hole Dia. | Mount Hole Location | | | | | |
| (tons) | (in.) | | (cu. in.) | | (in.) | (in.) | (in.) | (in.) | (in.) | (in.) | (in.) | (in.) | (in.) | (sq. in.) | (psi) | (tons) | (lbs.) |
| | | | Push | Return | | | | | | | | | | Push | Push | Push | |
| 17.5 | 2.00 | RT172 | 7.06 | — | 6.88 | 8.88 | 3.75 | 5.75 | 1.75 | 1" - 8 | 1.03 | 1.50 | 11/32 | 3.53 | 9,915 | 17.70 | 14.60 |
| 30 | 2.50 | RT302 | 15.70 | — | 8.44 | 10.94 | 4.25 | 7.50 | 2.25 | 1 1/4" - 7 | 1.30 | 1.81 | 15/32 | 6.28 | 9,554 | 31.40 | 28.20 |
| 50 | 3.00 | RT503 | 29.40 | — | 10.56 | 13.56 | 5.88 | 9.38 | 2.88 | 1 5/8" - 5 1/2 | 1.67 | 2.38 | 21/32 | 9.81 | 10,193 | 49.10 | 56.00 |
| 100 | 4.88 | RT1004* | 96.50 | 63.20 | 15.13 | 20.00 | 10.50 | 12.25 | 4.75 | 2 1/2" - 8 | 2.56 | 2.88 | 25/32 | 19.24 | 10,395 | 96.20 | 160.00 |

* The RT1004 has a bypass when full stroke is reached, preventing over-pressurization of the cylinder.

NOTE: Each cylinder complete with threaded cylinder head insert, cylinder half coupler and cylinder attaching screws.

Accessories Ordering Information



| Use with Cylinder Number | Number | RT172, RH203 | RT302, RH302, RH303, RH306 | RT503, RH503, RH603, RH605, RH606 | RT1004 |
|--------------------------|--------|---|--|--|----------------------------------|
| Order Set | | RHA20 | RHA30 | RHA50 | RHA100 |
| Speed Crank | 1 | 24814 | 27198 | 29595 | 303785 |
| Speed Nut | 2 | 302482 1"-8 thread | 302483 1 1/4"-7 thread | 33439 1 5/8"-5 1/2 thread | 34136 2 1/2"-8 thread |
| Adjusting Screw | 3 | 32118 1"-8 thd. 20" lg. | 34758 1 1/4"-7 thd. 24" lg. | 32698 1 5/8"-5 1/2 thd. 30" lg. | 32699 2 1/2"-8 thd 34.25" lg. |
| Threaded Insert | 4 | Threaded insert supplied with RT series cylinders. Order threaded insert for RH series cylinders with the accessory set. | | | |
| Pushing Adapter | 5 | 201923 1"-8 thread 0.5" diameter shank | 34510 1 1/4"-7 thread 0.75" diameter shank | 34755 1 5/8"-5 1/2 thread 1" diameter shank | — |
| Pushing Adapter | 6 | 201454 1"-8 thread 0.75" diameter shank | 34511 1 1/4"-7 thread 1" diameter. shank | 34756 1 5/8"-5 1/2 thread 1.25" diameter shank | — |
| Jack Screw | 7 | 24813 1"-8 thd. 7" lg. | 25931 1 1/4"-7 thd. 9" lg. | 32701 1 5/8"-5 1/2 thd. 11" lg. | 32702 2 1/2"-8 thd. 16" lg. |
| Screw Cap | 8 | 28228 1"-8 thd. 1.5" dia. | 28229 1 1/4"-7 thd 1.75" dia. | 28230 1 5/8"-5 1/2 thd, 2.25" dia. | — |