

CYLINDERS

FROM
2
TO
1220
TONS!

SUPERIOR FEATURES OF POWER TEAM HYDRAULIC CYLINDERS:

We build our own cylinders in our ISO 9001 registered manufacturing facilities. All Power Team cylinders are date coded and stamped with a maximum pressure rating and capacity. Each cylinder we make complies with the demanding ASME B30.1 standard and are assembled/tested by certified assemblers and pressure tested to 125% of capacity before leaving our factories. Some other key features included:

- Cylinder bores are roller burnished to harden and smooth the surface, improving seal life by 30%.
- Base mounting holes withstand full cylinder capacity.
- Typical cylinder burst pressure range is from 25,000 to 35,000 psi, well-beyond extreme usage.
- Cylinders with gland nuts may be “dead-ended” at 10,000 psi.
- Eddy current and mag-particle inspections detect flaws in the steel.
- Material is removed from surface to ensure that any flaws are eliminated.



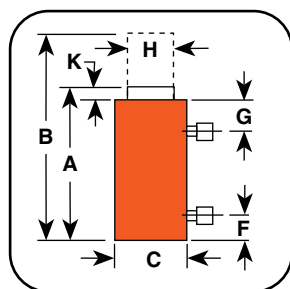
| Page Description | Cylinder Movement | Type of Return | Tonnage Range | Page(s) |
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| C | Single-Acting | Spring | 5-100 | 11-12 |
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| RLS | Single-Acting | Spring | 5-150 | 18 |
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| RH | Single-Acting Double-Acting | Spring Hydraulic | 100-100 30-200 | 21-22 |
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| RC_C RC_D | Single-Acting Double-Acting | Load Hydraulic | 740-1220 740-1220 | 37-38 |
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Model Shown:

R2806D, R1502D



Technical Dimensions



Ordering Information

| Cyl. Cap. (tons) | Stroke (in.) | Order No. | Oil Cap. | | A Retracted Height (in.) | B Extended Height (in.) | C Outside Dia. (in.) | F Base to Port (in.) | G Cylinder Top to Port (in.) | H Piston Rod Dia. (in.) | K Piston Rod Protrusion (in.) | Bore Dia. (in.) | Cylinder Effective Area (sq. in.) | Int. Press. at Cap. (psi) | Tons at 10,000 (tons) | Prod. Wt. (lbs.) |
|---------------------|-----------------|-----------|-----------|--------|--------------------------------|-------------------------------|----------------------------|----------------------------|------------------------------------|-------------------------------|-------------------------------------|--------------------|--------------------------------------|------------------------------|--------------------------|---------------------|
| | | | (cu. in.) | | | | | | | | | | | | | |
| | | | Push | Return | | | | | | | | | | | | |
| 100 | 2 | R1002D | 41.2 | 19.2 | 6.64 | 8.64 | 6.50 | 1.00 | 2.20 | 3.75 | 0.28 | 5.13 | 20.6 | 9,695 | 103.0 | 54 |
| | 6 | R1006D | 123.6 | 57.6 | 10.64 | 16.64 | 6.50 | 1.00 | 2.20 | 3.75 | 0.28 | 5.13 | 20.6 | 9,695 | 103.0 | 81 |
| | 10 | R10010D | 206.0 | 96.0 | 14.64 | 24.64 | 6.50 | 1.00 | 2.20 | 3.75 | 0.28 | 5.13 | 20.6 | 9,695 | 103.0 | 108 |
| 150 | 2 | R1502D | 61.4 | 29.6 | 7.44 | 9.44 | 8.06 | 1.25 | 2.25 | 4.50 | 0.30 | 6.25 | 30.7 | 9,778 | 153.4 | 95 |
| | 6 | R1506D | 184.2 | 88.8 | 11.44 | 17.44 | 8.06 | 1.25 | 2.25 | 4.50 | 0.30 | 6.25 | 30.7 | 9,778 | 153.4 | 136 |
| 200 | 2 | R2002D | 82.6 | 39.2 | 8.14 | 10.14 | 9.25 | 1.63 | 2.31 | 5.25 | 0.34 | 7.25 | 41.3 | 9,690 | 206.4 | 136 |
| | 6 | R2006D | 247.8 | 117.6 | 12.14 | 18.14 | 9.25 | 1.63 | 2.31 | 5.25 | 0.34 | 7.25 | 41.3 | 9,690 | 206.4 | 187 |
| | 10 | R20010D | 413.0 | 196.0 | 16.14 | 26.14 | 9.25 | 1.63 | 2.31 | 5.25 | 0.34 | 7.25 | 41.3 | 9,690 | 206.4 | 239 |
| 280 | 2 | R2802D | 113.4 | 47.2 | 9.20 | 11.20 | 10.88 | 1.88 | 2.58 | 6.50 | 0.41 | 8.50 | 56.7 | 9,870 | 283.7 | 219 |
| | 6 | R2806D | 340.2 | 141.6 | 13.20 | 19.20 | 10.88 | 1.88 | 2.58 | 6.50 | 0.41 | 8.50 | 56.7 | 9,870 | 283.7 | 297 |
| | 10 | R28010D | 567.0 | 236.0 | 17.20 | 27.20 | 10.88 | 1.88 | 2.58 | 6.50 | 0.41 | 8.50 | 56.7 | 9,870 | 283.7 | 376 |
| 355 | 2 | R3552D | 141.8 | 47.4 | 2.63 | 13.38 | 11.75 | 2.13 | 2.75 | 7.75 | 0.44 | 9.50 | 70.9 | 10,017 | 354.4 | 324 |
| | 6 | R3556D | 425.4 | 142.2 | 15.38 | 21.38 | 11.75 | 2.13 | 2.75 | 7.75 | 0.44 | 9.50 | 70.9 | 10,017 | 354.4 | 421 |
| 430 | 2 | R4302D | 173.2 | 59.6 | 12.31 | 14.31 | 13.00 | 2.50 | 2.95 | 8.50 | 0.47 | 10.50 | 86.6 | 9,932 | 433.0 | 439 |
| | 6 | R4306D | 519.6 | 178.8 | 16.31 | 22.31 | 13.00 | 2.50 | 2.95 | 8.50 | 0.47 | 10.50 | 86.6 | 9,932 | 433.0 | 558 |
| | 10 | R43010D | 866.0 | 298.0 | 20.31 | 30.31 | 13.00 | 2.50 | 2.95 | 8.50 | 0.47 | 10.50 | 86.6 | 9,932 | 433.0 | 673 |
| 565 | 2 | R5652D | 226.2 | 76.8 | 13.59 | 15.59 | 14.88 | 2.75 | 3.20 | 9.75 | 0.55 | 12.00 | 113.1 | 9,991 | 565.5 | 619 |
| | 6 | R5656D | 678.6 | 230.4 | 17.59 | 23.59 | 14.88 | 2.75 | 3.20 | 9.75 | 0.55 | 12.00 | 113.1 | 9,991 | 565.5 | 772 |
| | 10 | R56510D | 1131.0 | 384.0 | 21.59 | 31.59 | 14.88 | 2.75 | 3.20 | 9.75 | 0.55 | 12.00 | 113.1 | 9,991 | 565.5 | 926 |

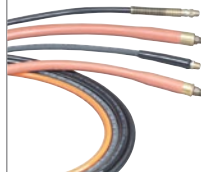
Features

HIGH-TONNAGE, LOW CYCLE, HYDRAULIC RETURN CYLINDERS.

- Cylinders come standard with swivel caps to reduce the effects of off-center loading.
- Cylinders may be “dead-ended” without damage.
- Hard chrome plated, heat treated piston rod reduces wear on piston and gland nut.
- Built-in safety relief valve prevents over-pressurization of the retraction circuit.
- Each cylinder has two 9796 3/8" NPTF female half couplers.



Hydraulic Hoses



Heavy-duty and thermo plastic hydraulic hoses to meet your requirements and safety factor.

Refer to the accessories section for details.