

High Pressure Hose

3R80 High Pressure Hose

Meets SAE 100R8 Specifications



| # PART NUMBER | NOMINAL I.D. | | MAXIMUM O.D. | | MINIMUM BEND RADIUS | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | WEIGHT | | AVAILABLE LENGTHS |
|------------------|--------------|------|--------------|------|---------------------|-----|--------------------------|-----|------------------------|-------|----------|---------|-------------------|
| | in | mm | in | mm | in | mm | psi | bar | psi | bar | 100ft LB | 100m KG | feet |
| 3R80-03003 | 3/16 | 4.8 | .515 | 13.1 | 1-1/2 | 38 | 5,000 | 345 | 20,000 | 1,379 | 7.7 | 11.5 | 250 |
| 3R80-04003 | 1/4 | 6.4 | .625 | 15.9 | 2 | 51 | 5,000 | 345 | 20,000 | 1,379 | 11.8 | 17.6 | 250 |
| 3R80-06003 | 3/8 | 9.5 | .765 | 19.4 | 2-1/2 | 64 | 4,000 | 276 | 16,000 | 1,103 | 14.8 | 22.0 | 250 |
| 3R80-08003 | 1/2 | 12.7 | .892 | 22.7 | 4 | 102 | 3,500 | 241 | 14,000 | 965 | 19.0 | 28.3 | 250 |
| 3R80-12008 | 3/4 | 19.1 | 1.138 | 28.9 | 6-1/2 | 165 | 2,250 | 155 | 9,000 | 620 | 25.6 | 38.1 | 200 |
| 3R80-16008 | 1 | 25.4 | 1.468 | 37.3 | 10 | 254 | 2,000 | 138 | 8,000 | 552 | 38.5 | 57.3 | 200 |

Features

- Long life in impulse cycling and flexing
- Designed for permanent or reusable fittings

Applications

- General hydraulic systems
- Hydraulic tools
- Mobile equipment
- High pressure pneumatic systems
- High pressure chemical transfer

Construction

- Black perforated polyurethane cover
- Braided synthetic fiber reinforcement
- Nylon core tube

Temperature Range

- -40°F to 212° F (-40°C to 100°C) or to 150°F (66°C), with water-based or fire-resistant fluids

DIE & FITTING CHART

| Part No. | Swage Die* | Permanent Fitting Series** |
|----------|------------|----------------------------|
| 3R80-03 | H03 | 90H/J |
| 3R80-04 | H04 | 90H/J |
| 3R80-06 | H06 | 90H/J |
| 3R80-08 | H08 | 90H/J |
| 3R80-12 | H12 | 90H/J |
| 3R80-16 | H16 | 90H/J |

* Part No. 4540

**For stainless steel fittings availability, see hose fitting selection chart on page 28.