

THERMOPLASTIC HOSE

R7

FIBRE BRAID THERMOPLASTIC HOSE BRAIDED FIBRE REINFORCED HOSE - SAE 100R7



- Due to manufacturing tolerances, the external dimension is an average.
- Recommended for: Medium pressure hydraulic applications requiring increased resistance to abrasion.
- Internal tube: Polyester elastomer.
- Reinforcement: One or two braids of synthetic fiber. External cover: Abrasion resistant polyurethane, black, pinpricked, white ink-jet branding.
- Temperature range: -40 °C to +100 °C, limited to +70 °C for air and water-based fluids.
- Standards: Meets or exceeds SAE 100R7.
- Characteristics: R7 is a medium pressure hose for use with petroleum, synthetic or water based hydraulic fluids. Suitable for general fluid power transmission like earthmoving, agricultural machinery and forklift trucks. Also suitable for many industrial gases (check for compatibility).
- Not suitable for use on forklift mast application below ambient temperatures.

| Part Number | Internal Size | Internal DN | Internal Diameter (in) | External Diameter (mm) | Working Pressure (psi) | Working pressure (bar) | Min burst pressure (psi) | Min burst pressure (bar) | Min bend radius (mm) |
|-------------|---------------|-------------|------------------------|------------------------|------------------------|------------------------|--------------------------|--------------------------|----------------------|
| 3R7 | 03 | 5 | | 9.6 | 3000 | 210 | 12000 | 840 | 25 |
| 4R7 | 04 | 6 | | 12.2 | 3000 | 210 | 12000 | 840 | 35 |
| 5R7 | 05 | 8 | | 14.3 | 2700 | 190 | 10800 | 760 | 45 |
| 6R7 | 06 | 10 | | 16 | 2300 | 160 | 9200 | 640 | 55 |
| 8R7 | 08 | 12 | | 20.3 | 2000 | 140 | 8000 | 560 | 75 |
| 12R7 | 12 | 19 | | 27.1 | 1300 | 90 | 5200 | 360 | 140 |