

SAE 100 R8 / EN855 R8



High Pressure Thermoplastic Hydraulic Hose

Description

Inner Tube :

oil resistant seamless thermoplastic Polyamide (PA) tube - delivering hydraulic oil, gas and water for long-term use.

Reinforcement Layer:

single layer or two layers of high tensile aramid fiber - its used to withstand high pressure.

Cover :

Black high abrasion resistant polyurethane - it protects the reinforcement from external damage and can work at complex environment.

Temperature :

-40°C (-104°F) to +100°C (+212°F)

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| Metric Size | Inch Size | Dash Size | I.D | O.D | Allowed Tolerance | Max W.P | | Min B.P | Min B.R | W.T |
|-------------|-----------|-----------|----------|----------|-------------------|---------|------|---------|---------|-----|
| | | | Standard | Standard | | | | | | |
| mm | Inches | Dash | mm | mm | mm | Mpa | psi | Mpa | mm | g/m |
| 6.3 | 1/4 | 4 | 6.3 | 12.3 | ±0.10 | 38 | 5510 | 150 | 40 | 90 |
| 8 | 5/16 | 5 | 7.9 | 14.3 | ±0.10 | 33 | 4785 | 130 | 45 | 115 |
| 10 | 3/8 | 6 | 9.5 | 16.7 | ±0.15 | 28 | 4060 | 112 | 60 | 145 |
| 12.5 | 1/2 | 8 | 12.7 | 19.8 | ±0.15 | 25 | 3625 | 100 | 80 | 205 |
| 16 | 5/8 | 10 | 15.9 | 24.5 | ±0.15 | 23 | 3335 | 90 | 120 | 290 |
| 19 | 3/4 | 12 | 18.9 | 28 | ±0.15 | 18 | 2610 | 70 | 140 | 345 |
| 25 | 1 | 16 | 25.4 | 34 | ±0.20 | 15 | 2175 | 60 | 160 | 450 |

Application Fields:

mine hydraulic support: excavator、pneumatic equipment
oil field mining: drilling equipment、drilling rig、oil pump
engineering construction: lift machine、scraper、loader、drill、pile driver
road construction machinery: rock crusher、stone crusher

Product features:

Oil resistance and high pressure resistance
High temperature resistance and heat resistance
Aging resistance with long service life
Good flexibility without distortion