

DIAMONDSPIR

VERY HIGH PRESSURE



KEY FEATURES

- Very high pressure resistance
- Validated for high fatigue resistance
- Superior abrasion resistance
- High ozone and weather resistance
- Flame resistance to a wide range of specs.
- Antistatic and antitoxic cover
- BIO Biological and mineral oils compatibility

APPLICATIONS & FLUIDS

- Hydraulics: heavy duty power lines, hydrostatic transmissions, in severe environmental conditions, specific installations with tough abrasion conditions, off-shore applications, underground and open pit mining
- Mineral oils, vegetable oils and synthetic ester based oils (up to 100°C/212°F), glycols and polyglycols, mineral oils in aqueous emulsion, water

TECHNICAL DATA

| PART. REF. | HOSE SIZE | | | R.O.D. | | O.D. | | MAX W.P. | | BURST | | MIN.BEND | | WEIGHT | | FITTINGS | |
|------------|-----------|------|--------|--------|------|------|------|----------|------|-------|-------|----------|-------|--------|-------|--------------|------|
| | DN | dash | inch | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | g/m | lb/ft | Std1 | Std2 |
| H10018019* | 19 | - 12 | 3/4" | 29,1 | 1,15 | 32,1 | 1,26 | 560 | 8120 | 2240 | 32480 | 280 | 11,02 | 1660 | 1,12 | XL+M01750-12 | |
| H10018025* | 25 | - 16 | 1" | 38,2 | 1,50 | 41,2 | 1,62 | 560 | 8120 | 2240 | 32480 | 350 | 13,78 | 2910 | 1,96 | XL+M01800-16 | |
| H10018032* | 31 | - 20 | 1.1/4" | 47,7 | 1,88 | 50,9 | 2,00 | 525 | 7610 | 2100 | 30450 | 420 | 16,54 | 4210 | 2,83 | XL+M01800-20 | |
| H10018038* | 38 | - 24 | 1.1/2" | 55,2 | 2,17 | 58,7 | 2,31 | 475 | 6880 | 1900 | 27550 | 500 | 19,69 | 5230 | 3,51 | XL+M01800-24 | |
| H10018051* | 51 | - 32 | 2" | 68,4 | 2,69 | 71,9 | 2,83 | 420 | 6090 | 1680 | 24360 | 600 | 23,62 | 6680 | 4,49 | XL+M01800-32 | |

CONTINUOUS SERVICE TEMPERATURE RANGE

-40 °F / 250 °F
-40 °C / 121 °C

MAX OPERATING TEMPERATURE

125 °C, 257 °F

TUBE

Oil resistant synthetic rubber

REINFORCEMENT

Six high tensile steel spirals (DN 25÷76). Four high tensile steel spirals (DN 19)

COVER

Synthetic rubber with high abrasion, ozone, weather and heat resistance

APPLICABLE SPECS

MANULI® Design; Exceed ISO 3862 R15

TYPE APPROVALS

ABS; FRAS; CU-TR; MSHA; MA