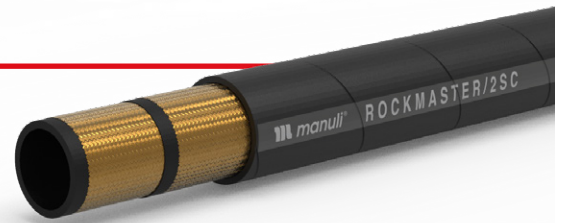


# ROCKMASTER/2SC

ABRASION, WEATHER & HEAT RESISTANCE



## 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 | Std 1                                                                               | Std 2  |
| H01030005*                                                                        | 5                                                                                 | -3   | 3/16"  | 9.7                                                                               | 0.38 | 11.5                                                                              | 0.45 | 420                                                                               | 6,090 | 2,000                                                                             | 29,000 | 40                                                                                | 1.57  | 220                                                                                 | 0.15  | MF+M03300-03                                                                        | OPF-03 |
| H01030006*                                                                        | 6                                                                                 | -4   | 1/4"   | 11.3                                                                              | 0.44 | 13.1                                                                              | 0.52 | 400                                                                               | 5,800 | 1,850                                                                             | 26,830 | 45                                                                                | 1.77  | 275                                                                                 | 0.18  | MF+M03300-04                                                                        | OPF-04 |
| H01030008*                                                                        | 8                                                                                 | -5   | 5/16"  | 12.9                                                                              | 0.51 | 14.7                                                                              | 0.58 | 350                                                                               | 5,070 | 1,700                                                                             | 24,650 | 55                                                                                | 2.17  | 325                                                                                 | 0.22  | MF+M03300-05                                                                        | OPF-05 |
| H01030010*                                                                        | 10                                                                                | -6   | 3/8"   | 15.0                                                                              | 0.59 | 16.8                                                                              | 0.66 | 330                                                                               | 4,780 | 1,500                                                                             | 21,750 | 65                                                                                | 2.56  | 390                                                                                 | 0.26  | MF+M03300-06                                                                        | OPF-06 |
| H01030012*                                                                        | 12                                                                                | -8   | 1/2"   | 18.5                                                                              | 0.73 | 20.3                                                                              | 0.80 | 275                                                                               | 3,980 | 1,220                                                                             | 17,690 | 80                                                                                | 3.15  | 500                                                                                 | 0.34  | MF+M03300-08                                                                        | OPF-08 |
| H01030016*                                                                        | 16                                                                                | -10  | 5/8"   | 21.8                                                                              | 0.86 | 23.6                                                                              | 0.93 | 250                                                                               | 3,620 | 1,050                                                                             | 15,220 | 90                                                                                | 3.54  | 620                                                                                 | 0.42  | MF+M03400-10                                                                        | OPF-10 |
| H01030019*                                                                        | 19                                                                                | -12  | 3/4"   | 25.6                                                                              | 1.01 | 27.6                                                                              | 1.09 | 245                                                                               | 3,550 | 980                                                                               | 14,210 | 120                                                                               | 4.72  | 790                                                                                 | 0.53  | MF+M03400-12                                                                        | OPF-12 |
| H01030025*                                                                        | 25                                                                                | -16  | 1"     | 33.0                                                                              | 1.30 | 35.2                                                                              | 1.39 | 210                                                                               | 3,040 | 840                                                                               | 12,180 | 150                                                                               | 5.91  | 1,180                                                                               | 0.79  | MF+M03400-16                                                                        | OPF-16 |
| H01030031*                                                                        | 31                                                                                | -20  | 1.1/4" | 41.1                                                                              | 1.62 | 43.6                                                                              | 1.72 | 140                                                                               | 2,030 | 560                                                                               | 8,120  | 250                                                                               | 9.84  | 1,550                                                                               | 1.04  | MF+M03400-20                                                                        | OPK-20 |
| H01030038*                                                                        | 38                                                                                | -24  | 1.1/2" | 47.7                                                                              | 1.88 | 50.7                                                                              | 2.00 | 100                                                                               | 1,450 | 400                                                                               | 5,800  | 300                                                                               | 11.81 | 1,880                                                                               | 1.26  | MF+M03400-24                                                                        | OPK-24 |
| H01030051*                                                                        | 51                                                                                | -32  | 2"     | 60.4                                                                              | 2.38 | 63.4                                                                              | 2.50 | 90                                                                                | 1,300 | 360                                                                               | 5,220  | 400                                                                               | 15.75 | 2,430                                                                               | 1.63  | MF+M03400-32                                                                        | OPK-32 |
| H01030063*                                                                        | 63                                                                                | -40  | 2.1/2" | 73.0                                                                              | 2.87 | 76.0                                                                              | 2.99 | 70                                                                                | 1,010 | 300                                                                               | 4,350  | 760                                                                               | 29.92 | 2,900                                                                               | 1.95  | MF+M03400-40                                                                        |        |
| H01030076*                                                                        | 76                                                                                | -48  | 3"     | 87.8                                                                              | 3.46 | 90.5                                                                              | 3.56 | 45                                                                                | 650   | 180                                                                               | 2,610  | 900                                                                               | 35.43 | 3,120                                                                               | 2.10  | MF+M03400-48                                                                        |        |

## KEY FEATURES

- Compactness and flexibility
- Superior abrasion resistance
- High ozone and weather resistance
- Flame resistance to a wide range of specs.
- Antistatic and antitoxic cover
- Working pressure improvement
- Range extension to DN 76
- Vacuum resistance with SAE 100 R4 performance approved on sizes up to DN 76

## APPLICATIONS & FLUIDS

- Hydraulics: medium-high pressure lines with installation constraints in severe environmental conditions, specific installations with tough abrasion conditions, marine applications, underground and open pit mining, return and suction lines
- Mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion, water

## CONTINUOUS SERVICE TEMPERATURE RANGE

-40 °C, -40 °F

100 °C, 212 °F

## TUBE

Oil resistant synthetic rubber

## REINFORCEMENT

Two high tensile steel braids

## COVER

STRONG - TYPE "SD"

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

## APPLICABLE SPECS

Exceeds EN 857 2SC; ISO 11237 2SC; SAE 100 R16. In addition: DN 25 SAE 100 R17; ISO 11237 R17

## TYPE APPROVALS

ABS; BV; DNV-GL; CU-TR; LR; MSHA; RINA; B; FRAS; CCS; NK; DNV-GL(MED)

## REMARKS



- For hydraulic lift applications according to EN 81-20 applications, the following sizes and working pressures are recommended: DN 31 - WP = 50 bar; DN 38 - WP = 50 bar; DN 51 - WP = 45 bar