

DIN EN 853 2 SN SAE 100 R 2 S





Wire braid hydraulic hose meets EN 853 2SN, SAE 100R2 and ISO 1436 2SN



GENERAL

| | |
|-------------------|---|
| Tube | Synthetic rubber, resistant against hydraulic fluids (HL, HLP, HLPD, HVLP, HFA, HFAS, HFB, HFC) |
| Reinforcement | Two braids of high tensile steel wire |
| Cover | Abrasion and ozone resistant synthetic rubber Note: various covers available |
| Temperature range | -40°C to 100°C / -40°F to +212°F (max 120°C / 248°F intermittent) |
| Standard branding | Embossed tape |

TECHNICAL DETAILS

|  | | |  | |  | |  | |  | |  | |  | |  | |
|---|-------|------|---|------|---|------|---|------|---|------|---|-------|---|------|---|------|
| Nominal | | | Internal-Ø | | Braid-Ø | | External-Ø | | Work. pressure [max.] | | Min. burst pressure | | Bending radius [min.] | | Weight approx. | |
| mm | inch | dash | mm | inch | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | lbs/ft | kg/m |
| 6 | 1/4 | -4 | 6.6 | 0.26 | 12.4 | 0.49 | 14.3 | 0.56 | 400 | 5800 | 1600 | 23200 | 100 | 3.9 | 0.21 | 0.31 |
| 8 | 5/16 | -5 | 8.3 | 0.33 | 14.0 | 0.55 | 16.0 | 0.63 | 350 | 5075 | 1400 | 20300 | 115 | 4.5 | 0.25 | 0.37 |
| 10 | 3/8 | -6 | 9.9 | 0.39 | 16.4 | 0.65 | 18.4 | 0.72 | 330 | 4785 | 1320 | 19140 | 130 | 5.1 | 0.30 | 0.44 |
| 12 | 1/2 | -8 | 13.0 | 0.51 | 19.4 | 0.76 | 21.3 | 0.84 | 275 | 4000 | 1100 | 16000 | 180 | 7.1 | 0.36 | 0.53 |
| 16 | 5/8 | -10 | 16.4 | 0.65 | 22.6 | 0.89 | 24.6 | 0.97 | 250 | 3625 | 1000 | 14500 | 200 | 7.9 | 0.45 | 0.67 |
| 19 | 3/4 | -12 | 19.5 | 0.77 | 26.6 | 1.05 | 28.6 | 1.13 | 215 | 3120 | 860 | 12480 | 240 | 9.4 | 0.56 | 0.84 |
| 25 | 1 | -16 | 26.0 | 1.02 | 34.5 | 1.36 | 37.1 | 1.46 | 165 | 2395 | 660 | 9580 | 300 | 11.8 | 0.83 | 1.23 |
| 31 | 1-1/4 | -20 | 32.5 | 1.28 | 43.9 | 1.73 | 46.7 | 1.84 | 125 | 1815 | 500 | 7260 | 420 | 16.5 | 1.20 | 1.79 |
| 38 | 1-1/2 | -24 | 38.7 | 1.52 | 51.1 | 2.01 | 54.5 | 2.14 | 90 | 1305 | 360 | 5220 | 500 | 19.7 | 1.42 | 2.12 |
| 51 | 2 | -32 | 51.1 | 2.01 | 62.9 | 2.47 | 66.7 | 2.63 | 80 | 1160 | 320 | 4640 | 630 | 24.8 | 1.88 | 2.79 |

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