

# 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<br>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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