

DIN EN 853 1 SN SAE 100 R 1 S

Wire braid hydraulic hose meets EN 853 1SN, SAE 100R1 and ISO 1436 1SN



GENERAL

| | |
|--------------------------|---|
| Tube | Synthetic rubber, resistant against hydraulic fluids (HL, HLP, HLPD, HVLP, HFA, HFAS, HFB, HFC) |
| Reinforcement | One braid 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 | | | Innen-Ø | | Geflecht-Ø | | Außen-Ø | | Betriebsdruck (max.) | | Min. Berstdruck | | Biegeradius (min.) | | Gewicht ca. | |
|---------|-------|------|---------|------|------------|------|---------|------|----------------------|------|-----------------|-------|--------------------|------|-------------|------|
| mm | Zoll | dash | mm | Zoll | mm | Zoll | mm | Zoll | bar | psi | bar | psi | mm | Zoll | lbs/ft | kg/m |
| 6 | 1/4 | -4 | 6,6 | 0,26 | 10,8 | 0,43 | 12,9 | 0,51 | 225 | 3265 | 900 | 13060 | 100 | 3,9 | 0,12 | 0,18 |
| 8 | 5/16 | -5 | 8,3 | 0,32 | 12,5 | 0,49 | 14,7 | 0,58 | 215 | 3120 | 860 | 12480 | 115 | 4,5 | 0,15 | 0,22 |
| 10 | 3/8 | -6 | 9,9 | 0,39 | 14,8 | 0,58 | 16,7 | 0,66 | 180 | 2610 | 720 | 10440 | 125 | 4,9 | 0,19 | 0,29 |
| 12 | 1/2 | -8 | 13,0 | 0,51 | 17,9 | 0,70 | 19,9 | 0,78 | 160 | 2320 | 640 | 9280 | 180 | 7,1 | 0,24 | 0,36 |
| 16 | 5/8 | -10 | 16,4 | 0,65 | 21,0 | 0,83 | 23,2 | 0,91 | 130 | 1885 | 520 | 7540 | 200 | 7,9 | 0,28 | 0,42 |
| 19 | 3/4 | -12 | 19,5 | 0,77 | 25,0 | 0,98 | 27,1 | 1,07 | 105 | 1525 | 420 | 6100 | 240 | 9,4 | 0,36 | 0,53 |
| 25 | 1 | -16 | 26,0 | 1,02 | 32,9 | 1,30 | 35,1 | 1,38 | 88 | 1275 | 352 | 5100 | 300 | 11,8 | 0,55 | 0,82 |
| 31 | 1-1/4 | -20 | 32,5 | 1,28 | 39,9 | 1,57 | 42,5 | 1,67 | 63 | 915 | 252 | 3660 | 420 | 16,5 | 0,70 | 1,04 |
| 38 | 1-1/2 | -24 | 38,7 | 1,52 | 46,5 | 1,83 | 50,1 | 1,97 | 50 | 725 | 200 | 2900 | 500 | 19,7 | 0,95 | 1,41 |
| 51 | 2 | -32 | 51,1 | 2,01 | 60,1 | 2,36 | 64,1 | 2,52 | 40 | 580 | 160 | 2320 | 630 | 24,8 | 1,37 | 2,04 |

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