

Flexline 4000

The high flexible compact hydraulic hose with reduced bend radii.

Meets ISO 18752 - BC [1-wire and 2-wire braided]

Meets ISO 18752 - Grade C [4-wire spiral]

Exceeds EN 856 / SAE 100 R12 [4-wire spiral]



GENERAL

| | |
|--------------------------|---|
| Tube | Synthetic rubber, resistant against hydraulic fluids (HL, HLP, HLPD, HVLP, HFA, HFAS, HFB, HFC) |
| Reinforcement | One [1W], two [2W] or four [4W] layers of high tensile steel wire |
| Cover | Abrasion and ozone resistant synthetic rubber – MSHA approved Note: various covers available |
| Temperature range | -40°C to 100°C / -40°F to +212°F [1W+2W] -40°C to 121°C / -40°F to +250°F [4W] |
| Standard branding | Mylar tape |
| Note | Impulse tested up to 500.000 cycles [tested acc. to ISO6803:2017] |

TECHNICAL DETAILS

| Nominal | | | Reinforcement layers | Internal-Ø | | Reinforcement-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 | 1 | 6.6 | 0.26 | 9.8 | 0.38 | 11.7 | 0.46 | 280 | 4060 | 1120 | 16240 | 50 | 2.0 | 0.12 | 0.18 |
| 8 | 5/16 | -5 | 2 | 8.3 | 0.33 | 13.0 | 0.51 | 15.0 | 0.59 | 280 | 4060 | 1120 | 16240 | 55 | 2.2 | 0.22 | 0.32 |
| 10 | 3/8 | -6 | 2 | 9.9 | 0.39 | 14.7 | 0.58 | 16.8 | 0.66 | 280 | 4060 | 1120 | 16240 | 65 | 2.6 | 0.25 | 0.37 |
| 10 | 3/8 | -6 | 4 | 9.9 | 0.39 | 17.4 | 0.69 | 20.2 | 0.79 | 280 | 4060 | 1120 | 16240 | 65 | 2.6 | 0.45 | 0.67 |
| 12 | 1/2 | -8 | 2 | 13.0 | 0.51 | 18.4 | 0.72 | 20.5 | 0.81 | 280 | 4060 | 1120 | 16240 | 90 | 3.5 | 0.35 | 0.52 |
| 12 | 1/2 | -8 | 4 | 13.0 | 0.51 | 20.6 | 0.81 | 24.2 | 0.95 | 280 | 4060 | 1120 | 16240 | 90 | 3.5 | 0.56 | 0.84 |
| 16 | 5/8 | -10 | 2 | 16.4 | 0.65 | 21.9 | 0.86 | 23.7 | 0.93 | 280 | 4060 | 1120 | 16240 | 100 | 3.9 | 0.45 | 0.67 |
| 16 | 5/8 | -10 | 4 | 16.4 | 0.65 | 24.2 | 0.95 | 27.9 | 1.10 | 280 | 4060 | 1120 | 16240 | 100 | 3.9 | 0.76 | 1.13 |
| 19 | 3/4 | -12 | 2 | 19.5 | 0.77 | 26.0 | 1.02 | 27.8 | 1.09 | 280 | 4060 | 1120 | 16240 | 120 | 4.7 | 0.58 | 0.87 |
| 19 | 3/4 | -12 | 4 | 19.5 | 0.77 | 27.9 | 1.10 | 30.5 | 1.20 | 280 | 4060 | 1120 | 16240 | 120 | 4.7 | 0.89 | 1.33 |
| 25 | 1 | -16 | 4 | 25.9 | 1.02 | 35.1 | 1.38 | 37.9 | 1.49 | 280 | 4060 | 1120 | 16240 | 150 | 5.9 | 1.20 | 1.79 |
| 31 | 1-1/4 | -20 | 4 | 32.5 | 1.28 | 42.3 | 1.67 | 45.9 | 1.81 | 280 | 4060 | 1120 | 16240 | 210 | 8.27 | 1.71 | 2.55 |
| 38 | 1-1/2 | -24 | 4 | 38.7 | 1.52 | 49.2 | 1.94 | 53.4 | 2.1 | 280 | 4060 | 1120 | 16240 | 250 | 9.84 | 2.22 | 3.31 |
| 51 | 2 | -32 | 4 | 51.1 | 2.01 | 64.3 | 2.53 | 68.0 | 2.68 | 280 | 4060 | 1120 | 16240 | 390 | 15.35 | 2.97 | 4.42 |

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the-art industrial technology and many years of experience and testing; whenever indicated for a certain product, we also confirm conformity with the resistance requirements of the media indicated in the product catalogue. However, the individual conditions of storage, maintenance and use decisively affect the safe and durable use of each product. The quality and safety of our products as indicated in the catalogue or individual datasheets are therefore strictly subject to the continuous observance of all specifications and restrictions in our written product information, applicable laws and standards. We reject any liability for safety issues or other consequences due to improper product choice, maintenance, or handling [e.g. squashing, rupturing, stretching or filling with non-approved media]. Our products must not be used in airplanes or other aerial vehicles under any circumstance. Unless specified otherwise, all hoses are manufactured according to EN853, 856, 857 and SAE J 517. Our products are not designated for the sale to the general public and do not fulfill the conditions for "GS-certification" (voluntary certification related to tested safety).