

SAE100R2 **DOUBLE-WIRE BRAID HOSE**

PREMIUM DOUBLE-WIRE

This double-wire, braided, non-skive hydraulic hose is designed for high-pressure applications. Its cover enhances abrasion resistance and meets or exceeds SAE J517 100R2, EN853, ISO6805 and 2SN standards.



TECHNICAL DETAILS

CONSTRUCTION

Inner Tube: Synthetic rubber (NBR I)
Reinforcement: Two braids of high-tensile steel wire separated by a synthetic rubber layer
Outer Cover: Oil, weather, and abrasion-resistant synthetic rubber, black, MSHA compliant Smooth Cover - 1/4" to 1" | Wrapped Cover - 1 1/4 to 2"

APPLICATION

High-pressure service with petroleum-based hydraulic fluids, water-glycol and water-oil fire-resistant hydraulic fluids, hot oil grease, lubricants, crude and fuel oils.

Air Applications: For air and inert gas applications, the cover should be pinpricked.

SPECIFICATIONS

Standards: Meets or exceeds SAE J517 100R2, EN853, ISO6805 and 2SN.

Approvals: MSHA, LR, KR, ABS

Temperature Range: -40°C - 100°C

Hose Tails: K series, D series with D2 shells

Part Number	Size (in)	ID (mm)	OD (mm)	Working PSI	Min. Burst Pressure (PSI)	Min. Bend Radius (mm)	Reel Length (m)	Weight (kg/m)
100R2-04	1/4	6.4	15.0	5800	23200	100	130	0.33
100R2-05	5/16	7.9	16.6	5080	20320	115	90	0.41
100R2-06	3/8	9.5	19.0	5000 (4790*)	20000	125	100	0.50
100R2-08	1/2	12.7	22.3	4257 (3990*)	17028	180	100	0.60
100R2-10	5/8	15.9	25.5	3630	14520	205	50	0.75
100R2-12	3/4	19.0	29.4	3120	12480	240	50	0.88
100R2-16	1	25.4	38.1	2500 (2390*)	10000	300	50	1.20
100R2-20	1 1/4	31.8	47.1	1840	7360	420	20	1.37
100R2-24	1 1/2	38.1	54.5	1320	5280	500	20	1.50
100R2-32	2	50.8	67.2	1170	4680	630	20	1.95

*Lloyd's Register approved pressure