

SAE100R8 **THERMOPLASTIC HOSE**

THERMOPLASTIC

This thermoplastic hydraulic hose is designed for high-pressure applications and offers very low expansion. Its polyurethane cover enhances abrasion resistance and meets or exceeds SAE J517 100R8, ISO 3949-R8 and EN855 standards. Also available in Twin Line (SAE100R8TW) and non-conductive options.



TECHNICAL DETAILS

CONSTRUCTION

Inner Tube: Polyester elastomer

Reinforcement: One or two braids of aramid fibre

Outer Cover: Polyurethane, pinpricked, black

APPLICATION

High-pressure systems that use petroleum, synthetic or water-based hydraulic fluids. Suitable for general fluid power transmissions like earthmoving and agricultural machinery, forklifts and trucks. Also suitable for many industrial gases.

SPECIFICATIONS

Standards: Meets or exceeds SAE J517 100R8, ISO 3949-R8 and EN855

Vacuum Rating: 0.93bar, 700mm Hg (-13.5PSI: 27.5 inch Hg)

Temperature Range: -40°C - 100°C. Not to exceed 70°C for air and water-based fluids

Hose Tails: J series

Part Number	Size (in)	ID (mm)	OD (mm)	Working PSI	Min. Burst Pressure (PSI)	Min. Bend Radius (mm)	Reel Length (m)	Weight (kg/m)
100R8-02	1/8	4.0	8.0	6000	24000	25	100	0.045
100R8-03	3/16	5.0	8.9	5000	20000	30	100	0.05
100R8-04	1/4	6.5	11.5	5000	20000	50	100	0.085
100R8-06	3/8	9.7	15.5	4000	16000	60	100	0.135
100R8-08	1/2	13.0	19.9	3500	14000	80	100	0.20
100R8-12	3/4	19.5	27.1	2300	9200	150	100	0.32
100R8-16	1	25.9	34.2	2000	8000	200	100	0.44