

SAE100R7 **THERMOPLASTIC HOSE**

THERMOPLASTIC

This thermoplastic hydraulic hose is designed for medium-pressure applications. Its polyurethane cover enhances abrasion resistance and meets or exceeds SAE J517 100R7, ISO 3949-R7 and EN855 standards. Also available in Twin Line (SAE100R7TW) and non-conductive options.



TECHNICAL DETAILS

CONSTRUCTION

Inner Tube: Polyester elastomer
Reinforcement: One or two braids of synthetic fibre
Outer Cover: Polyurethane, pinpricked, black

APPLICATION

Medium-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 100R7, ISO 3949-R7 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)
100R7-02	1/8	4.0	8.3	3000	12000	25	100	0.045
100R7-03	3/16	5.0	9.6	3000	12000	25	100	0.06
100R7-04	1/4	6.5	12.2	3000	12000	35	100	0.10
100R7-06	3/8	9.7	16.0	2300	9200	55	100	0.15
100R7-08	1/2	13.0	20.3	2000	8000	75	100	0.22