

HYDRAULIC HOSE & PROTECTION

R7 - Thermoplastic Hose

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Inner tube	polyester elastomer
Reinforcement	two high-tensile polyester fibre braids
Outer cover	oil/weather-resistant polyurethane
Operating temperature	-40 to +100 °C
Air / water-based fluid temperature limit	65 °C
Construction standard	EN 855 / SAE 100 R7
Nominal safety factor	4:1

Ordering references: R7-04 / R7-06 / R7-08 / R7-10 / R7-12 / R7-16 / R7-03

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
R7-03	3/16	4.8	10.7	275	1100	25	0.07
R7-04	1/4	6.5	12.2	210	840	35	0.1
R7-06	3/8	9.7	16	160	640	55	0.15
R7-08	1/2	13	20.3	140	560	75	0.22
R7-10	5/8	16.1	23.1	105	420	110	0.28
R7-12	3/4	19.5	27.1	90	360	140	0.33
R7-16	1	25.9	34	70	280	190	0.46

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

Request a quotation

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Provide the part code, size, quantity, required configuration and application. Include a drawing or photograph where available.

Ratings apply only to the specified product and configuration. Confirm fluid compatibility, temperature, pressure transients, installation and complete assembly suitability. Ordering references do not establish interchangeability.