

321 Series High-Temperature Resistant Hose

321 Series 135 °C High-Temperature Resistant Hose

1-Layer Steel Braid, Textile Fiber Braid Cover Hose



Main Applications and Product Specifications:

Media: Petroleum-based hydraulic oil, lubricating oil, crude oil, fuel oil, air, water, and oil-gas mixtures, etc.
Specifications: Q/ISR 01

Structure:

Inner Liner: Chlorinated Polyethylene (CPE) Synthetic Rubber

Reinforcement: High-Strength Steel Braided Layer

Cover: Polyester Fiber Braided Outer Cover

Operating Temperature Range:

R321-6, R321-8, R321-10, R321-13, R321-16, R321-19, R321-25, D321-32, D321-38: -41°C to +135 °C

D321-51, D321-64: -35 °C to +135 °C

Exception: Air Max 100°C

Water Max 100°C

Model	Size			Inner Diameter		Wire Reinforcement		Outer Diameter		Max Working Pressure		Min Burst Pressure		Bend Radius (mm)	Weight (kg/m)
	DN	Inch	Size	Min (mm)	Max (max)	Min (mm)	Max (mm)	min (mm)	Max (mm)	MPa	PSI	MPa	PSI		
R321-6	6	1/4	-4	6.2	7.0	10.6	11.6	12.2	13.7	15	2175	60	8700	100	0.21
R321-8	8	5/16	-5	7.7	8.5	12.1	13.3	14.0	15.4	15	2175	60	8700	115	0.27
R321-10	10	3/8	-6	9.3	10.1	14.5	15.7	16.7	18.1	11	1595	44	6380	130	0.32
R321-13	13	1/2	-8	12.3	13.5	17.2	18.8	19.8	21.4	11	1595	44	6380	180	0.41
R321-16	16	5/8	-10	15.5	16.7	20.4	22.0	22.9	24.5	8.8	1275	35.2	5100	200	0.47
R321-19	19	3/4	-12	18.6	19.8	24.2	25.8	26.9	28.5	8.8	1275	35.2	5100	240	0.63
R321-25	25	1	-16	25.0	26.4	32.5	34.1	34.6	36.6	8.8	1275	35.2	5100	300	0.97
D321-32	32	1-1/4	-20	31.4	33.0	39.3	41.7	42.0	44.6	8.8	1275	35.2	5100	420	1.26
D321-38	38	1-1/2	-24	38.0	39.5	45.6	48.0	48.5	51.5	6.3	910	25.2	3650	500	1.48
D321-51	51	2	-32	50.5	52.5	58.7	61.9	62.0	65.0	5.0	725	20	2900	630	1.94
D321-64	64	2-1/2	-40	63.5	65.5	71.0	74.0	74.0	78.0	5.0	725	20	2900	800	2.22