



370 Series



R154 (370 SERIES):

R154 (370 series) is a heavy duty 4000psi (276 bar) aerospace hose assembly qualified to AS614. The hose consists of an extruded smoothbore PTFE innercore, reinforced with multiple layers of CRES 304 wire braid. The PTFE innercore is conductive and provides excellent chemical resistance through a temperature range of -65°F to +400°F (-54°C to +204°C) with unlimited shelf life. The rugged 370 Series is especially suited to applications with significant impulsing, and outputs from hydraulic or pneumatic pumps. Standard fittings are CRES, however titanium fittings are also available. Fire protection per AS1055 Class A & B can be either integral or slip-on AS1072 firesleeve. Chafe sleeves are available in a variety of integral or slip-on materials. Hybrid assemblies combining flex hose with multi-bend tube are a Titeflex specialty and provide improved vibration dampening, ease of installation, and maintenance over strictly rigid tube.

SERIES: 370**SPECIFICATION:** SAE AS614**BRAID:** CRES**INNERCORE:** PTFE Smoothbore**QUALIFICATIONS:**

SAE AS614, AS1055

Type IIa & IIb, Class A & B,

Integral and Slip-on Firesleeve

ENGLISH

HOSE SIZE	OPERATING PRESSURE	HOSE ID (MIN)	HOSE OD (MIN)	HOSE OD (MAX)	BRAIDED HOSE WT/1/	BEND RADIUS (MIN)/2/	PROOF PRESSURE	ROOM TEMP BURST (MIN)	HIGH TEMP BURST (MIN)
	psi	in	in	in	lb/in	in	psi	psi	psi
4	4,000	0.212	0.45	0.495	0.022	3	8,000	16,000	12,000
6	4,000	0.298	0.555	0.62	0.037	5	8,000	16,000	12,000
8	4,000	0.391	0.72	0.82	0.045	5.75	8,000	16,000	12,000
10	4,000	0.485	0.85	0.95	0.07	6.5	8,000	16,000	12,000
12	4,000	0.602	1.03	1.1	0.105	7.75	8,000	16,000	12,000
16	4,000	0.852	1.21	1.42	0.17	9.625	8,000	16,000	12,000
20	4,000	1.101	1.64	1.68	0.198	12	8,000	16,000	12,000

NOTES /1/ Over minimum 12 inch length /2/ Inside of bend**METRIC**

HOSE SIZE	OPERATING PRESSURE	HOSE ID (MIN)	HOSE OD (MIN)	HOSE OD (MAX)	BRAIDED HOSE WT/1/	BEND RADIUS (MIN)/2/	PROOF PRESSURE	ROOM TEMP BURST (MIN)	HIGH TEMP BURST (MIN)
	bar	mm	mm	mm	g/m	mm	bar	bar	bar
4	276	5.4	11.4	12.6	393	76.2	552	1 103	827
6	276	7.6	14.1	15.7	661	127	552	2 103	827
8	276	9.9	18.3	20.8	804	146.1	552	3 103	827
10	276	12.3	21.6	24.1	1 250	165.1	552	4 103	827
12	276	15.3	26.2	27.9	1 875	196.9	552	5 103	827
16	276	21.6	30.7	36.1	3 036	244.5	552	6 103	827
20	276	28	41.7	42.7	3 530	305	552	7 103	827

NOTES /1/ Over minimum 305mm length /2/ Inside of bend

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Revision NC