



500 Series



SA500 (500 SERIES):

500 Series: lightweight 5080 PSI (350 Bar) non-metallic aerospace hose qualified to AS5951. The hose consists of an extruded smoothbore conductive PTFE innercore, reinforced with Kevlar® para-aramid braid and covered by an integral Cordura® chafe sleeve. Standard fittings are titanium, however CRES fittings are also available. PTFE provides excellent chemical resistance and unlimited shelf life. The 500 Series is ideal for weight-critical 5080 PSI (207 Bar) applications within the temperature range of -65° to +275°F (-54°C to +135°C). Fire protection is available per AS1055

Class A with slip-on AS1072 firesleeve or non-standard integral firesleeve. 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: 500**SPECIFICATION:** SAE AS5951**BRAID:** Kevlar®**INNERCORE:** PTFE Smoothbore**QUALIFICATIONS:**

SAE AS5951

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	5,080	0.212	0.44	0.48	0.006	1.5	10,160	20,320	15,240
6	5,080	0.298	0.525	0.565	0.009	2.5	10,160	20,320	15,240
8	5,080	0.391	0.75	0.925	0.02	2.88	10,160	20,320	15,240
10	5,080	0.49	0.855	0.895	0.02	3.25	10,160	20,320	15,240
12	5,080	0.602	0.98	1.18	0.032	4	10,160	20,320	15,240

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	350	5.38	11.18	12.19	113	38.1	700	1,400	1,050
6	350	7.57	13.34	14.35	161	63.5	700	1,400	1,050
8	350	9.93	19.05	23.5	357	73.2	700	1,400	1,050
10	350	12.45	21.72	22.73	363	82.6	700	1,400	1,050
12	350	15.29	24.89	29.97	572	101.6	700	1,400	1,050

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



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Revision NC