

**SERIES:** 250  
**SPECIFICATION:** MIL-DTL-26633  
**BRAID:** CRES  
**INNERCORE:** PTFE Smoothbore – Non-Conductive  
**QUALIFICATIONS:** MIL-DTL-26633

## R162 (250 SERIES):

R162 (250 Series) is a lightweight 3000 PSI (207 Bar) oxygen hose qualified to MIL-DTL-26633. The hose consists of an extruded smoothbore non-conductive PTFE innercore, reinforced with CRES 304 wire braid. It is based on the 240 Series, but features a non-conductive PTFE innercore specifically for use in high pressure oxygen systems supporting space vehicle and military applications. PTFE provides excellent chemical resistance with an unlimited shelf life. In accordance with MIL-DTL-26633 the 250 Series operating temperature range is -65°F to +165°F (-54°C to +71°C). 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.



Size 8 depicted (Not to scale). Actual construction varies by size.

### 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	3,000	0.212	0.36	0.703	0.009	3.25	6,000	16,000	12,000

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

## R162 (250 SERIES) FITTING INFORMATION:

See pages 42-47. Same fitting information as Titeflex R160 (240 series) hose size 4.



TITFLEX R162 (250 SERIES)

**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	207	5.4	9.1	17.9	161	150	414	1,103	827

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