

Non-magnetic Titanium Sub-D feedthroughs
weldable versions and flanged CF versions
(218-Dxx-TI / 218-HDxx-TI // 210-D09-C40-TI to 210-HD78-C63-TI)

For demanding non-magnetic applications, Allectra offers Sub-D feedthroughs from 9 to 78 pins made out of Titanium with Tantalum pins.

	Standard D-Sub, Titanium	High Density D-Sub, Titanium
Lay-out and sizes	according DIN 41652 / MIL-C-24308	
Design	Male pins on air and vacuum side, continuous pins	
Pin Diameter	1mm	0.7mm
Sizes	9 / 15/ 25 / 37 / 50 pins according IEC SC48B proposal	26 / 44 / 78 pins in shell sizes DA, DB, DD
Pin Material	Tantalum, Rhodium plated	
Housing	Titanium Grade 5, weldable to Titanium (Grade 2 and 5)	
Test voltage	500VDC	500VDC
Working voltage	125 VAC	60 VAC
Max. current	3A cont / 5A short (30min)	2A cont. / 3A short (30min)
Test Resistivity	>1 GOhm (higher on request)	
Typ. contact resistivity	10 mOhm	
Working temperature	-200°C ... +125°C	
Bakeout temperature	max. 250°C, max 25K/min	
Thread sizes	4-40 UNC on air and vacuum side	
tested Leak rate	<1x 10 ⁻⁹ mbar l/s He for weldable versions <5x 10 ⁻¹⁰ mbar l/s He for flanged UHV versions (CF)	

Allectra offers all sizes welded to Titanium CF and CFS flanges.
Please note, that Titanium cannot be welded to Stainless Steel.