



DTD 189A



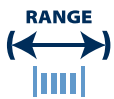
Key Features

Corrosion resistant

IMPORTANT

We will manufacture to your required mechanical properties.

key advantages to you, *our customer*



0.025mm to 21mm
(.001" to .827")



Order 3m to 3t
(10 ft to 6000 Lbs)



Delivery:
within 3 weeks



Wire to your spec



E.M.S available



Technical support

DTD 189A available in:-

- Round wire
- Bars or lengths
- Flat wire
- Shaped wire
- Rope/Strand

Packaging

- Coils
- Spools
- Bars or lengths





Chemical Composition			Specifications	Key Features	Typical Applications
Element	Min %	Max %	DTD 189A Designations AWS 164	Corrosion resistant	Aircraft Locking wire General Locking wire
C	-	0.15			
Si	0.20	-			
Mn	-	2.00			
Ni	7.00	10.00			
Cr	17.00	20.00			
Ni + Cr	25.00	-			
Ti or Nb/Cb	4 x C 8 x C	- -			
S	-	0.045			
P	-	0.045			
Fe	BAL				

Density	8.0 g/cm ³	0.289 lb/in ³
Melting Point	1398 °C	2550 °F
Coefficient of Expansion	17.5 µm/m °C (20 – 100 °C)	9.7 x 10 ⁻⁶ in/in °F (70 – 212 °F)
Modulus of Rigidity	70.3 kN/mm ²	10196 ksi
Modulus of Elasticity	187.5 kN/mm ²	27195 ksi

Properties				
Condition	Approx. tensile strength		Approx. operating temperature	
	N/mm ²	ksi	°C	°F
Annealed	600 – 800	87 – 116	-200 to +300	-330 to +570

The above tensile strength ranges are typical. If you require different please ask.