

NEW HIGH STRENGTH SUPER MARTENSITIC AF913[®] PLUS

The latest evolution of high strength super martensitic stainless steels: a possible alternative to UNS S17400.

	AF913[®] PLUS (UNS S41425)
Material	Super Martensitic Stainless Steel
Reference Document	913PLUS-TDS
Microstructure	Martensitic
Minimum PREN	19
Typical Tensile Properties at Room Temperature	
0.2 % Offset Yield Strength	925 MPa (134 ksi)
Tensile Strength	1000 MPa (145 ksi)
Elongation in 4D	18 %
Reduction of Area	40 %
Typical Hardness	34 HRC
Typical Transverse Absorbed Impact Energy at -10 °C	41 J (30 ft·lbs)

Approvals/Accreditations

AS 9100	ISO 9001	ISO 17025
		