

2S130D - AMS5646

**Additional Information****2S130D has similarities to the following standard designations and specification**

AISI 347

UNS S34500 In ASTM A 276 &amp; A 479

AMS 5646

**Chemical Properties**

Element	Chemical Composition %
Carbon (C)	0.08 max
Silicon (Si)	0.20 - 1.0 max
Manganese (Mn)	0.5 - 2.0 max
Phosphorous (P)	0.035 max
Sulphur (S)	0.025 max
Chromium (Cr)	17.0 - 19.0 max
Molybdenum (Mo)	1.0 max
Nickel (Ni)	8.0 - 11.0
Niobium (Nb)	10 X C - 1.1 max

**Mechanical Properties**

Property	Value
Tensile Strength (MPa)	540
0.2% Proof Stress (MPa)	210
Elongation On 5.65 Sqr S0 (%)	35
Brinell Hardness (HB)	\< 255

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