



Data sheet

ASTM B637/B805 ALLOY 925

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INTERNATIONAL EQUIVALENT CODES

Europe
EN

Italia
UNI

Germania	
DIN	W.n.
	2.4852

UK
B.S.

USA	
ASTM	UNS
Alloy 925	N09925

CHEMICAL REQUIREMENTS (Composition , percent)

max C	Mn	Max Phosph	Max Sulfur	Max Si	Cr	Nickel	Mo	Copper	Niobium	Titanium	Vanadium	Al	Max Cobalt	Iron
0.03	1.0	0.03	0.03	0.5	19.5-22.5	42.0-46.0	2.5-3.5	1.5-3.0	0.5 max	1.9-2.40	--	0.1-0.5	--	22.0 min

MECHANICAL REQUIREMENTS

Cold worked, solution annealed and aged, 0,625 in. (15,9 mm) to 3 in. (76,2 mm) incl.	Tens. Strength,	min,	Yield Strength (0,2% offset) min	Elongation in 4D, min, %	Hardness
	ksi	Mpa	ksi	Mpa	
	140	965	105	724	18

Hot worked, solution annealed and aged, 1 in. (25,4 mm) or over	Tens. Strength,	min,	Yield Strength (0,2% offset) min	Elongation in 4D, min, %	Brinell Hardness
	ksi	Mpa	ksi	Mpa	
	140	965	110	758	18