

Special Steels - S130

Round Bar

Properties

Stock		Chemical Properties	
Dia (in)	Weight/m (Kg)	Element	Chemical Composition %
1/2	0.99	Carbon (C)	0.08 max
3/4	2.24	Silicon (Si)	0.20 - 1.00
1	3.98	Manganese (Mn)	0.50 - 2.00
1 1/4	6.21	Phosphor (P) & Sulphur (S)	0.035 (P) 0.025 (S)
1 1/2	8.94	Chromium (Cr)	17.0 - 19.0
1 3/4	12.18	Nickel (Ni)	8.0 - 11.0
2	15.90	Niobium (Nb)	10 x C min
2 1/4	20.13	Others	Mo 1.0 max
2 1/2	24.85		
2 3/4	30.07		
3	35.76		
3 1/2	48.69		
		Mechanical Properties	
		Property	Value
		Proof stress	210 N/mm ²
		Tensile strength	540 N/mm ²
		Elongation	35%
		Hardness	183 HB (Black) 255 HB (Bright)

Disclaimer

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