

EN 3506-1 C4

STAINLESS STEEL

BOLTING MATERIAL FOR LOW TEMPERATURE SERVICE

EN 3506-1 C4 have Greater mechanical properties with less corrosion-resistance, steels similar to those of C1 quality, but resulphurized. The sulfur confers greater machinability by chip removal, but further decreases the resistance to corrosion. Suitable for thermal quenching and tempering treatments. The added sulfur slightly decreases resistance to pitting and crevice corrosion. Suitable for machining on production lines and at high-speeds. Not suitable for welding applications.

Chemical Properties

C	Si	Mo	P	S	Cr	Ni
0.08-0.15	1.0	1.5	0.06	0.15-0.35	12-14.	1

Mechanical Properties

Yield strength	Tensile strength
Min 0.2% Mpa	Min Mpa
250-410	500-700

Heat Treatment

Equivalent Designation

X12CrMoS17
1.4104
ISO 3506 (DIN 267-11)

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