

EN 3506-1 C3

STAINLESS STEEL

BOLTING MATERIAL FOR LOW TEMPERATURE SERVICE

EN 3506-1 C3 have Greater mechanical properties with less corrosion-resistance, steels with a slightly greater resistance to corrosion than C1 quality, primarily used in the assembly of pumps and valves. Usually used when quenched and tempered for high yield-strength and excellent impact resistance. Quenching and tempering may modify mechanical characteristics according to application needs. Good fatigue resistance. Excellent performance in sea water or salt environments.

Chemical Properties

C	Si	Mo	P	S	Cr	Ni
0.17-0.25	1	1	0.04	0.03	16-18	1.5-2.5

Mechanical Properties

Yield strength	Tensile strength
Min 0.2% Mpa	Min Mpa
640	800

Heat Treatment

Equivalent Designation

X20CrNi172 (X20CrNi17

1.4057

ISO 3506 (DIN 267-11)

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