

EN 3506-1 F1

STAINLESS STEEL

BOLTING MATERIAL FOR LOW TEMPERATURE SERVICE

EN 3506-1 F1 steels that can be used in environments with a high presence of chlorides, replacing the austenitic steels A1 and A3. Easily cold deformable to increase hardness, tensile and yield strength values, Non-heat treatable, Grinding and precise polishing can increase corrosion resistance. Recommended for high-temperature applications and not recommended for use in environments with temperatures below 0°C because of embrittlement

Chemical Properties

C	Si	Mo	P	S	Cr	Ni
0.12	1	1	0.04	0.03	15-18	1

Mechanical Properties

Yield strength	Tensile strength
Min 0.2% Mpa	Min Mpa
250-410	450-600

Heat Treatment

Equivalent Designation

1.4016
X6Cr17 (X8Cr17)
Din EN 10088 (DIN 17440)

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