

21CrMoV5.7

Cr-Mo-V ALLOY

BOLTING MATERIAL FOR HIGH TEMPERATURE SERVICE

BS EN 10269 is the material standard for stainless and heat-resisting steels, a selection of low alloy steels and some nickel alloys for fasteners. The standard includes some elevated and sub-zero temperature mechanical properties and can be used for specifying fasteners for pressure purposes. Austenitic, martensitic and precipitation hardening stainless grades are included. The ambient temperature mechanical properties shown in this article include 0.2% proof strength, tensile strength, elongation, reduction in area and impact (Charpy) strength in the finally heat treated condition.

Chemical Properties

C	Si	Mn	Ni	P	S	Cr	Mo	V	Al
0.17-0.25	0.4 max	0.4-0.8	0.6	0.03	0.03	1.2-1.5	0.55-0.80	0.2-0.35	0.03

Mechanical Properties

Yield strength	Tensile strength	Elongation	Reduction
Min 0.2% Mpa	Min Mpa	Min %	Min %
550	700-850	16	60

Heat Treatment

Hot rolled mechanical properties for quenched and tempered condition

Equivalent Designation

EN10269
Werkstoff.No. 1.7709
JIS SCM420

CUSTOMER ASSISTANCE : customer@TorqBolt.com