

Carbon Steels and Alloy Steels for Machine Structural Use

Table with 10 columns: Standard No., Name, Symbol, I S O, AISI SAE, BS, DIN EN, NF, O C T. Rows include JIS G 4051 (Carbon steels for machine structural use) and JIS G 4104 (Chromium steels).

ISO: International Organization for Standardization
AISI: American Iron and Steel Institute
SAE: Society of Automotive Engineers
BS: British Standards

Japan Industrial Standards

Table with 10 columns: Standard No., Name, Symbol, I S O, AISI SAE, BS, DIN EN, NF, O C T. Rows include JIS G 4102 (Nickel chromium steels) and JIS G 4105 (Chromium molybdenum steels).

DIN: Deutsches Institut für Normung
EN: European Standards
NF: Norme Française
Γ OCT: National standard of the former USSR

Table with 10 columns: Standard No., Name, Symbol, I S O, AISI SAE, BS, DIN EN, NF, O C T. Rows include JIS G 4106 (Aluminum chromium molybdenum steels) and JIS G 4052 (Structural steels with specified hardenability bands).

Japan Industrial Standards

Table with 10 columns: Standard No., Name, Symbol, I S O, AISI SAE, BS, DIN EN, NF, O C T. Rows include JIS G 4107 (Alloy steel bolting materials for high temperature service) and JIS G 4108 (Alloy steel bars for special application bolting materials).

Notes 1) BS EN 10259
2) DIN 1654 Part 4
3) DIN 17240
4) NF EN 10259
5) ISO6883-1, 10, and 11 have been translated into JIS as JIS G 7501, G 7502, and G 7503.

Tool steel name

Steel for general structures SS-400 ..... Steel, Structure, 400 N/mm²
Carbon steel for mechanical structures S45C ..... Steel, 0.45% C
Chrome molybdenum steel SCM435 ..... Steel, Cr, Mo 435
Nickel chrome molybdenum steel SNCM220 ..... Steel, Ni, Cr, Mo, 220
Carbon tool steel SK105 ..... Steel, Tool, 105 (formerly SK3)
Alloy tool steel SKS3 ..... Steel, Tool, Special, Type 3
Alloy tool steel SKD11 ..... Steel, Tool, Dies, Type 11
High-speed tool steel SKH51 ..... Steel, Tool, High Speed, Type 51
High carbon chrome bearing steel 52100 ..... Steel, Use, Bearing, Type 2
Stainless steel SUS304 ..... Steel, Use, Stainless, Type 304
Gray cast iron FC250 ..... Ferrum (Iron), Cast, 250 N/mm²