

Material: AISI 410

Standard Specification for Stainless and Heat Resisting Steels Bar, Wire, Shapes and Forging

Group: Ferrous Stainless Steel Alloys

Sub Group: AISI 410 Stainless and Heat Resisting Steels Bar, Wire, Shapes and Forging

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry: Bar, Wire, Shapes and Forging

Chemical Composition

Carbon	C %	0.080 - 0.150
Silicon	Si %	1.000 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	11.500 - 13.500
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment

Annealing or Hardening + Tempering

Mechanical Properties

Tensile Strength in Mpa	415 - 1402.7
Yield Strength in Mpa	205 min.
Elongation in %	11 min.
Reduction of Area in %	35 min.
Hardness in HB	143 - 331
Impact in Joule	-

Cross Reference Table

Material	Standard	Country	Grade Belong to the Industry
5351	AMS	USA	Casting
410 C 21	BS	British	Casting
15ch13L	GOST	Russia	Casting
385 G X 12 Cr 13	SFS	Finland	Casting
A217 CA 15	ASTM	USA	Casting
A487 CA 15	ASTM	USA	Casting
A743 CA 15	ASTM	USA	Casting

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