

Material: JIS SKS 43

Standard Specification for Steel Castings for General Engineering Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: JIS SKS 43 Steel Castings for General Engineering Purposes

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

Grade Belongs to the Industry: Casting

Chemical Composition		
Carbon	C %	1.000 - 1.100
Silicon	Si %	0.100 - 0.300
Manganese	Mn %	0.100 - 0.400
Phosphorus	P %	0.030 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	0.200 max.
Copper	Cu %	0.250 max.
Nickel	Ni %	0.250 max.
Vanadium	V %	0.100 - 0.200
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Cast or Annealing or Normalizing or Hardening and Tempering

Mechanical Properties	
Tensile Strength in Mpa	-
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in BHN	212 max.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
BW2	BS	British	Casting
BW3	BS	British	Casting
BW4	BS	British	Casting
1.2833	DIN	Germany	Casting
5145	SAE	USA	Casting
5145	AISI	USA	Casting
A 29 5145	ASTM	USA	Casting

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