

# Material: DIN 1.2833

## Standard Specification for Steel Castings for General Engineering Purposes

**Group:** Ferrous Mild Steel Alloys

**Sub Group:** DIN 1.2833 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 %	0.950 - 1.050
Silicon	Si %	0.150 - 0.250
Manganese	Mn %	0.150 - 0.300
Phosphorus	P %	0.025 max.
Sulphur	S %	0.025 max.
Vanadium	V %	0.100 - 0.150
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	213 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
SKS 43	JIS	Japan	Casting
5145	SAE	USA	Casting
5145	AISI	USA	Casting
A 29 5145	ASTM	USA	Casting

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