

# Material: EN 1.4011

## Standard Specification for Steel Castings for General Engineering Purposes

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** EN 1.4011 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 %	0.150 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.035 max.
Sulphur	S %	0.025 max.
Chromium	Cr %	11.500 - 13.500
Nickel	Ni %	1.000 max.
Molybdenum	Mo %	0.500 max.
Copper	Cu %	0.300 max.
Vanadium	V %	0.080 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

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

Mechanical Properties	
Tensile Strength in Mpa	620 min.
Yield Strength in Mpa	450 min.
Elongation in %	15 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	20 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
410C21	BS	British	Casting
1.4008	ONORM	Australia	Casting
1.4011	ONORM	Australia	Casting
GX12Cr12	ONORM	Australia	Casting
GX7CrNiMo12-1	ONORM	Australia	Casting
1.4008	EN	European Union	Casting
GX12Cr12	EN	European Union	Casting

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