

Material: ONORM UC 14

Standard Specification for Steel Castings Wire and Rod for General Engineering Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: ONORM UC 14 Steel Castings Wire and Rod for General Engineering Purposes

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

Grade Belongs to the Industry: Wire and Rod

Chemical Composition			Heat Treatment	
Carbon	C %	0.100 - 0.140	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	0.500 max.		
Phosphorus	P %	0.040 max.		
P + S	P% + S%	0.070 max.		
Sulphur	S %	0.040 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	480 - 640
-	-	-	Yield Strength in Mpa	280 min.
-	-	-	Elongation in %	22 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	27 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AL2	BS	British	Casting
AL3	BS	British	Casting
1.0625	ONORM	Australia	Casting
GP 280 GH	ONORM	Australia	Casting
1.0625	NBN	Belgium	Casting
GP 280 GH	NBN	Belgium	Casting
1.0625	BDS	Bulgaria	Casting

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