

## Material: DIN GS-10 Ni 14

### Standard Specification for Steel casting for use at low temperature

**Group:** Ferrous Mild Steel Alloys

**Sub Group:** DIN GS-10 Ni 14 Steel casting for use at low temperature

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

**Grade Belongs to the Industry:** Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.0600 - 0.120	Normalizing or Annealing or Hardening + Tempering	
Silicon	Si %	0.600 max.		
Manganese	Mn %	0.500 - 0.800		
Phosphorus	P %	0.015 max.		
Sulphur	S %	0.015 max.		
Nickel	Ni %	3.000 - 3.800		
Iron	Fe %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa      500 - 650 Yield Strength in Mpa      360 min. Elongation in %      20 min. Reduction of Area in %      - Hardness in BHN      - Impact in Joule      55 - 60 J @ RT	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
BL2	BS	British	Casting
G 9 Ni 14	EN	European Union	Casting
SCPL 31	JIS	Japan	Casting
Ao 10 Ni 14	MSZ	Hungary	Casting
G9Ni14	UNI	Italy	Steel
J31550	UNS	USA	Casting
A757 B2N B2Q	ASTM	USA	Casting

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