



Material - GOST 40 CH 24 N 12 SL

Standard Specification for Alloy steel casting

Group - Ferrous Stainless Steel Alloys

Sub Group - GOST 40 CH 24 N 12 SL Alloy steel casting

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.400 max.	As - Cast	
Silicon	Si %	0.500 - 1.500		
Manganese	Mn %	0.300 - 0.800		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	22.000 - 26.000		
Nickel	Ni %	11.000 - 13.000		
Copper	Cu %	0.300 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	440 min.
			Yield Strength in Mpa	230 min.
			Elongation in %	7 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	45 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4837	DIN	Germany	Casting
309C30	BS	British	Casting
SCH 13 A	JIS	Japan	Casting
422936	CSN	Czech Republic	Casting
J93503	UNS	USA	Casting
40 CrNiSi 25-12	MSZ	Hungary	Casting
A297 Grade HH	ASTM	USA	Casting

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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