



Material - BS 3100 Grade 425C12

Standard Specification for Steel Castings for General Engineering Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS 3100 Grade 425C12 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			Heat Treatment	
Carbon	C %	0.060 max.	As Cast or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	11.500 - 14.000		
Nickel	Ni %	3.500 - 4.500		
Molybdenum	Mo %	0.400 - 1.000		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 755 min. Yield Strength in Mpa 550 min. Elongation in % 15 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
2074/H3D	AS	Australia	Casting
3444 Grade 24	IS	India	Casting
A 352 Grade CA6NM	ASTM	USA	Casting
4899 Grade 10	IS	India	Casting
A 352 J91540	ASTM	USA	Casting
SA-352 Grade CA6NM	ASME	USA	Casting
SCS 6	JIS	Japan	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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