

Material: ASTM A389 Grade C24

Standard Specification for Steel Castings, Alloy, Specially Heat-Treated, for Pressure-Containing Parts, Suitable for High-Temperature Service

Group: *Steel Castings*

Sub Group: *ASTM A389 / A389M Steel Castings, Alloy, Specially Heat-Treated, for Pressure-Containing Parts*

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

Grade Belongs to the Industry: *Casting*

Chemical Composition			Heat Treatment	
Carbon	C %	0.200 max.	Normalising or Annealing or Hardening + Tempering	
Silicon	Si %	0.600 max.		
Manganese	Mn %	0.300 - 0.800		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.035 max.		
Chromium	Cr %	0.800 - 1.250		
Molybdenum	Mo %	0.900 - 1.200		
Vanadium	V %	0.150 - 0.250		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	552 min.
-	-	-	Yield Strength in Mpa	345 min.
-	-	-	Elongation in %	15 min.
-	-	-	Reduction of Area in %	35 min.
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J12092	UNS	USA	Casting
1.7706	ONORM	Austria	Casting
G 17 CrMoV 5 10	ONORM	Austria	Casting
1.7706	CSN	Czech Republic	Casting
G 17 CrMoV 5 10	CSN	Czech Republic	Casting
1.7706	EN	European Union	Casting
G 17 CrMoV 5 10	EN	European Union	Casting

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com