

Material: AFNOR NFG 17 CrMoV 5-10

Standard Specification for Technical Delivery Conditions for Steel Castings for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: AFNOR NFG 17 CrMoV 5-10 Technical Delivery Conditions for Steel Castings for Pressure Purposes

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

Grade Belongs to the Industry: Casting

Chemical Composition		
Carbon	C %	0.150 - 0.200
Silicon	Si %	0.600 max.
Manganese	Mn %	0.500 - 0.900
Phosphorus	P %	0.020 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	1.200 - 1.500
Molybdenum	Mo %	0.900 - 1.100
Vanadium	V %	0.200 - 0.300
Tin	Sn %	0.025 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Annealing or Hardening + Tempering

Mechanical Properties	
Tensile Strength in Mpa	590 - 780
Yield Strength in Mpa	440 min.
Elongation in %	15 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
422744	CSN	Czech Republic	Casting
1.7706	EN	European Union	Casting
1.7706	DIN	Germany	Casting
J21610	UNS	USA	Casting
G 17 CrMoV 5-10	UNI	Italy	Casting
L 17 HMF	PN	Poland	Casting
A356 9	ASTM	USA	Casting

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



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India