

Material - ASTM A426 Grade CP5

Standard Specification for Centrifugally Cast Ferritic Alloy Steel Pipe for High Temperature Service

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A 426 Grade CP5 Centrifugally Cast Ferritic Alloy Steel Pipe for High Temperature Service

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 %	0.750 max.		
Manganese	Mn %	0.300 - 0.700		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.025 max.		
Chromium	Cr %	4.000 - 6.500		
Molybdenum	Mo %	0.450 - 0.650		
Nickel	Ni %	0.500 max.	Mechanical Properties Tensile Strength in Mpa 620 min. Yield Strength in Mpa 415 min. Elongation in % 18 min. Reduction of Area in % 35 min. Hardness in HB 225 max. Impact in Joule -	
Tungsten	W %	0.100 max.		
Copper	Cu %	0.500 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A426 Grade CP5	ASTM	USA	Casting
G S 12 CrMo 19-5	DIN	Germany	Casting
G X 15 CrMo 5	EN	European Union	Casting
SCPH 61	JIS	Japan	Casting
1.7363	DIN	Germany	Casting
G X 12 CrMo 5	DIN	Germany	Casting
A217 Grade C5	ASTM	USA	Casting

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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