

Material:ASTMA148Grade 160-145

StandardSpecificationforSteelCastings,HighStrength,forStructural Purposes

Group: *FerrousMildSteelAlloys*

Sub Group: *ASTM A148 / A148MSteel Castings, High Strength for Structural Purposes*

Application - *Intendedfor Valve, Pump, General Engineering,Automotive and Other Industries*

Grade Belongs to the Industry: *Casting*

ChemicalComposition			Heat Treatment	
Sulphur	S %	0.060 Max.	NormalisingorAnnealingorHardening+Tempering	
Phosphorus	P%	0.050 max.		
Iron	Fe%	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			TensileStrengthinMpa	1105 min.
			YieldStrengthinMpa	1000 min.
			Elongationin%	6 min.
			Reductionof Areain %	12 min.
			HardnessinBHN	-
			Impactin Joule	-
CrossReference Table				GradeBelongtotheIndustry
Material	Standard	Country		
D51450	UNS	USA	Casting	
A148Grade 80-50	ASTM	USA	Casting	
A148Grade 90-60	ASTM	USA	Casting	
A148Grade 105-85	ASTM	USA	Casting	
A148Grade 115-95	ASTM	USA	Casting	
A148Grade 130-115	ASTM	USA	Casting	
Grade 135-125	ASTM	USA	Casting	

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