Material-ASTMA148Grade 90-60

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		
Sulphur	S %	0.060 Max.
Phosphorus	P%	0.050 max.
Iron	Fe%	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
NormalisingorAnnealingorHardening+Tempering

Mechanical Properties	
TensileStrengthinMpa	620 min.
YieldStrengthinMpa	415 min.
Elongationin%	20 min.
Reductionof Areain %	40 min.
HardnessinBHN	-
Impactin Joule	-

CrossReference Table			
Material	**Standard**	**Country**	**GradeBelongtotheIndustry**
D50600	UNS	USA	Casting
A148Grade 80-50	ASTM	USA	Casting
A148Grade 150-135	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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