GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - Gravity 2C48

Standard Specification for Stainless and Heat Resisting Steels

Group - Ferrous Stainless Steel Alloys

Sub Group - Gravity 2C48 Stainless and Heat Resisting Steels

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries

Grade Belongs to the Industry - Steel, Bars, Rods, Casting and Forging

Chemical Composition		
Carbon	C %	0.100 max.
Silicon	Si %	0.100 max.
Manganese	Mn %	0.500 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.040 max.
Chromium	Cr %	22.000 - 25.000
Nickel	Ni %	0.200 max.
Other	Ot %	1.000 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or As-Cast or Annealing or Normalizing or Normalizing & Tempering or Quenching & Tempering or Hardening & Tempering

Mechanical Properties	
Tensile Strength in Mpa	600 max.
Yield Strength in Mpa	400 min.
Elongation in %	10 min.
Reduction of Area in %	20 min.
Hardness in HB	200 - 300
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
S44600	UNS	USA	Steel
AMS-QQ-S-763 51446	SAE	USA	Steel, Bars, Wire, Shapes and Forging
J 405 51446	SAE	USA	Steel
J 412 51446	SAE	USA	Steel
SAE J 405 446	AISI	USA	Steel
SAE AMS-QQ-S-763 446	AISI	USA	Steel
4359 H 14	MSZ	Hungary	Steel

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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