GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 6911 405 (X 04Cr12)

Standard Specification for Stainless Steel Plate, Sheet and Strip Specification

Group - Ferrous Stainless Steel Alloys

Sub Group - IS 6911 405 (X 04Cr12) Stainless Steel Plate, Sheet and Strip Specification

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

Grade Belongs to the Industry - Plate, Sheet and Strip

Chemical Composition		
Carbon	C %	0.080 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	1.000 max.
Chromium	Cr %	11.500 - 13.500
Molybdenum	Mo %	0.300 max.
Sulphur	S %	0.030 max.
Phosphorus	P %	0.040 max.
Aluminium	Al %	0.100 - 0.300
Copper	Cu %	0.300 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

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

Mechanical Properties	
Tensile Strength in Mpa	440 min.
Yield Strength in Mpa	250 min.
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in BHN	187 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
1449 405	AS	Australia	Plate, Sheet and Strip
AMS-QQ-S-763 405	AISI	USA	Steel
QQ-S-763 405	AMS	USA	Sheet, Bar, Wire, Shape and Forging
AMS-QQ-S-763 405	SAE	USA	Sheet, Bar, Wire, Shape and Forging
J 405 405	SAE	USA	Steel
A 268 TP405	ASTM	USA	Steel and Tubing
A 276 405	ASTM	USA	Steel, Bar and Shapes

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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