GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS ISO 16143-3 X10CrNiS18-9 (4305-303-00-I)

Standard Specification for Stainless Steels for General Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS ISO 16143-3 X10CrNiS18-9 (4305-303-00-I) Stainless Steels for General Purposes

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

Grade Belongs to the Industry - Wire

Chemical Composition		
Carbon	C %	0.120 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.060 max.
Sulphur	S %	0.150 max.
Chromium	Cr %	17.000 - 19.000
Nickel	Ni %	8.000 - 10.000
Nitrogen	N %	0.100 max.
Copper	Cu %	1.000 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	1100 min.
Yield Strength in Mpa	-
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
10088-3 1.4305	EN	European Union	Steel
10088-3 X 8 CrNiS 18 9	EN	European Union	Steel
EN 10088-3 1.4305	DIN	Germany	Steel
AMS-QQ-S-763 302	AMS	USA	Bar, Wire, Shape and Forging
EN 10088-2 X 8 CrNiS 18-9	UNI	Italy	Steel and Casting
EN 10088-1 X8CrNiS18-9	AFNOR NF	France	Steel
SAE AMS 5640 303	AISI	USA	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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