GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS ISO 16143-3 X8CrMnCuN17-8-3 (4597-204-76-I)

Standard Specification for Stainless Steels for General Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS ISO 16143-3 X8CrMnCuN17-8-3 (4597-204-76-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 %	0.100 max.
Silicon	Si %	2.000 max.
Manganese	Mn %	6.500 - 9.000
Phosphorus	P %	0.040 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	15.000 - 18.000
Molybdenum	Mo %	1.000 max.
Nickel	Ni %	3.000 max.
Nitrogen	N %	0.100 - 0.300
Copper	Cu %	2.000 - 3.500
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	850 min.
Yield Strength in Mpa	-
Elongation in %	30 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**
5632 08Ch18G8N2T	GOST	Russia	Steel
S20400	UNS	USA	Steel
SA-240 UNS S20400	ASME	USA	Plate, Sheet and Strip
A 240 S20400	ASTM	USA	Plate, Sheet and Strip
A 312 S20400	ASTM	USA	Steel and Pipe
A 409 S20400	ASTM	USA	Steel and Pipe
A 959 S20400	ASTM	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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.