GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-240 Type 422

Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate,Sheet and Srtip for Pressure Vessels and for General Applications

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA-240 Type 422 Chromium and Chromium-Nickel Stainless Steel Plate,Sheet and Srtip for Pressure Vessels and for General Applications

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

Grade Belongs to the Industry - Plate, Sheet and Strip

Chemical Composition		
Carbon	C %	0.200 - 0.250
Manganese	Mn %	0.500 - 1.000
Phosphorus	P %	0.025 max.
Sulphur	S %	0.025 max.
Silicon	Si %	0.500 max.
Chromium	Cr %	11.000 - 12.000
Nickel	Ni %	0.500 - 1.000
Molybdenum	Mo %	0.900 - 1.250
Vanadium	V %	0.200 - 0.300
Tungsten	W %	0.900 - 1.250
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw

Mechanical Properties	
Tensile Strength in Mpa	-
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in BHN	248 max.
Impact in Joule	-

www.gravitycastindia.com

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
S42200	UNS	USA	Steel
SAE AMS 5640 422	AISI	USA	Steel
G 4311 SUH 616	JIS	Japan	Steel and Bars
A 176 Type 422	ASTM	USA	Plate, Sheet and Strip
A 565 S42200	ASTM	USA	Steel and Bars
A 959 Type 616	ASTM	USA	Steel
11523 20 VNiMoCr 120	STAS	Romania	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.