GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS ISO 16143-2 X2CrNiMnMoN25-18-6-5 (4565-345-65-I)

Standard Specification for Corrosion-Resistant Semi-Finished Products, Bars, Rods and Sections

Group - Ferrous Stainless Steel Alloys

Sub Group - BS ISO 16143-2 X2CrNiMnMoN25-18-6-5 (4565-345-65-I) Corrosion-Resistant Semi-Finished Products, Bars, Rods and Sections

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

Grade Belongs to the Industry - Bars and Rods

Chemical Composition		
Carbon	C %	0.030 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	5.000 - 7.000
Phosphorus	P %	0.030 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	24.000 - 26.000
Molybdenum	Mo %	4.000 - 5.000
Nickel	Ni %	16.000 - 19.000
Nitrogen	N %	0.300 - 0.600
Niobium	Nb %	0.150 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	800 - 1000
Proof Strength in Mpa	460 min.
Elongation in %	35 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	100 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
S24565	UNS	USA	Steel
SEW 400 1.4565	DIN	Germany	Steel and Forging
SEW 400 X 2 CrNiMnMoNbN 25-18-5-4	DIN	Germany	Steel and Forging
A 269 S24565	ASTM	USA	Steel and Tubing
SA-479 UNS S24565	ASME	USA	Steel
SA-409 UNS S24565	ASME	USA	Steel and Pipe
SA-312 UNS S24565	ASME	USA	Steel and Pipe

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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