GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-276 Type 305

Standard Specification for Stainless Steel Bars and Shapes

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA-276 Type 305 Stainless Steel Bars and Shapes

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

Grade Belongs to the Industry - Bars and Shapes

Chemical Composition		
Carbon	C %	0.120 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Silicon	Si %	1.000 max.
Chromium	Cr %	17.000 - 19.000
Nickel	Ni %	11.000 - 13.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Annealing

Mechanical Properties	
Tensile Strength in Mpa	620 min.
Yield Strength in Mpa	310 min.
Elongation in %	30 min.
Reduction of Area in %	40 min.
Hardness in BHN	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
S30500	UNS	USA	Steel
SEW 390 X8CrNi18-12	DIN	Germany	Steel
1449-2 305 S 19	B.S.	United Kingdom	Steel
G 4309 SUS 305	JIS	Japan	Steel and Wire
EU 119 X 8 CrNi 18 12 KD	EN	European Union	Steel
A 313 Type 305	ASTM	USA	Steel and Wire
A 368 Type 305	ASTM	USA	Steel and Wire

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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