GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - Gravity 304ES

Standard Specification for Stainless and Heat Resisting Steels

Group - Ferrous Stainless Steel Alloys

Sub Group - Gravity 304ES Stainless and Heat Resisting Steels

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

Grade Belongs to the Industry - Steel, Bars, Rods, Casting and Forging

Chemical Composition		
Carbon	C %	0.030 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.040 max.
Chromium	Cr %	16.000 - 18.000
Nickel	Ni %	7.000 - 9.000
Copper	Cu %	2.800 - 3.800
Other	Ot %	1.000 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or As-Cast or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	400 max.
Yield Strength in Mpa	200 min.
Elongation in %	25 min.
Reduction of Area in %	40 min.
Hardness in HB	130 - 230
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
5632 09Ch17N7Ju	GOST	Russia	Steel
A 35-574 Z 3 CNU 18-10	AFNOR NF	France	Steel and Bars
A 35-577 Z 3 CNU 18-09 FF	AFNOR NF	France	Bars and Wire Rods
1554 394 S 17	B.S.	United Kingdom	Steel and Wire
3111-2 394 S 17	B.S.	United Kingdom	Steel and Wire
EN 10088-1 X3CrNiCu18-9-4	DIN	Germany	Steel
EN 10088-3 1.4567	DIN	Germany	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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