GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A473 Type 430F

Standard Specification for Stainless Steel Forgings

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A473 Type 430F Stainless Steel Forgings

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

Grade Belongs to the Industry - Forging

Chemical Composition		
Carbon	C %	0.120 max.
Manganese	Mn %	1.250 max.
Phosphorus	P %	0.060 max.
Sulphur	S %	0.150 min.
Silicon	Si %	1.000 max.
Chromium	Cr %	16.000 - 18.000
Nickel	Ni %	0.750 max.
Molybdenum	Mo %	0.600 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing

Mechanical Properties	
Tensile Strength in Mpa	485 min.
Yield Strength in Mpa	275 min.
Elongation in %	20 min.
Reduction of Area in %	45 min.
Hardness in HRC	223 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
S43020	UNS	USA	Steel
D 3703 STS 430F	KS	Korea	Steel and Wire
G 4318 SUS 430F	JIS	Japan	Steel and Bars
EN 10088-3 X6CrMoS17	AFNOR NF	France	Steel
683-13 8a	ISO	International	Steel
2837 430F	AS	Australia	Steel and Bars
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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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