GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - SFS 38 CrS 2

Standard Specification for Mild Steel Alloys Bar and Rod

Group - Ferrous Mild Steel Alloys

Sub Group - SFS 38 CrS 2 Mild Steel Alloys Bar and Rod

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

Grade Belongs to the Industry - Bar and Rod

Chemical Composition		
Carbon	C %	0.350 - 0.420
Silicon	Si %	0.400 max.
Manganese	Mn %	0.500 - 0.800
Phosphorus	P %	0.035 max.
Sulphur	S %	0.020 - 0.040
Chromium	Cr %	0.400 - 0.600
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Raw or Annealing or Normalizing or Hardening and Tempering

Mechanical Properties	
Tensile Strength in Mpa	650 - 950
Yield Strength in Mpa	350 min.
Elongation in %	14 min.
Reduction of Area in %	35 min.
Hardness in BHN	255 max.
Impact in Joule	35 J @ RT

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
38Cr2	EN	European Union	Bar and Rod
1.7003	EN	European Union	Bar and Rod
1.7023	ONORM	Australia	Bar and Rod
38 CrS 2	ONORM	Australia	Bar and Rod
38 CrS 2	EN	European Union	Bar and Rod
1.7023	EN	European Union	Bar and Rod
1.7023	SFS	Finland	Bar and Rod

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com