GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 2507 80C 6 Grade 6

Standard Specification for Cold-Rolled Steel, Strips for Springs

Group - Ferrous Mild Steel Alloys

Sub Group - IS 2507 80C 6 Grade 6 Cold-Rolled Steel, Strips for Springs

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

Grade Belongs to the Industry - Steel, Strips and Springs

Chemical Composition		
Carbon	C %	0.750 - 0.850
Silicon	Si %	0.100 - 0.350
Manganese	Mn %	0.500 - 0.800
Sulphur	S %	0.050 max.
Phosphorus	P %	0.050 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Hardening + Tempering

Mechanical Properties	
Tensile Strength in Mpa	640 max.
Yield Strength in Mpa	290 min.
Elongation in %	25 min.
Reduction of Area in %	-
Hardness in HV	220 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
17140-1 1.0613	DIN	Germany	Steel and Wire
G 3506 SWRH 67 A	JIS	Japan	Steel and Wire
G 3506 SWRH 67 B	JIS	Japan	Steel and Wire
A 37-502 C 68	AFNOR NF	France	Steel and Strip
A 37-502 XC 68	AFNOR NF	France	Steel and Strip
SAE AMS 5115 1070	AISI	USA	Steel
1429 070 A 72	B.S.	United Kingdom	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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