GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A227 Class 1

Standard Specification for Steel Wire, Cold-Drawn for Mechanical Springs

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A227 Class 1 Steel Wire, Cold-Drawn for Mechanical Springs

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

Grade Belongs to the Industry - Wire

Chemical Composition		
Carbon	C %	0.450 - 0.850
Manganese	Mn %	0.300 - 1.300
Phosphorus	P %	0.040 max.
Sulphur	S %	0.050 max.
Silicon	Si %	0.150 - 0.350
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw

Mechanical Properties	
Tensile Strength in Mpa	1010 - 1170
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
K06501	UNS	USA	Steel
2803 093 A 65	B.S.	United Kingdom	Wire
2803 094 A 65	B.S.	United Kingdom	Wire
1.1260	DIN	Germany	Steel
17204 1.1203	DIN	Germany	Tubing
A 229 Class 1	ASTM	USA	Steel and Wire
A 227 Class 2	ASTM	USA	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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