GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A320 Grade L73

Standard Specification for Alloy-Steel and Stainless Steel Bolting Materials for Low-Temperature Service

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A320 Grade L73 Alloy-Steel and Stainless Steel Bolting Materials for Low-Temperature Service

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries
Grade Belongs to the Industry - Steel, Bars and Forging

Chemical Composition		
Carbon	C %	0.380 - 0.430
Manganese	Mn %	0.750 - 1.000
Phosphorus	P %	0.035 max.
Sulphur	S %	0.040 max.
Silicon	Si %	0.150 - 0.350
Nickel	Ni %	0.400 - 0.700
Chromium	Cr %	0.400 - 0.600
Molybdenum	Mo %	0.200 - 0.300
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Quenching & Tempering

Mechanical Properties	
Tensile Strength in Mpa	860 min.
Yield Strength in Mpa	725 min.
Elongation in %	16 min.
Reduction of Area in %	50 min.
Hardness in HB	-
Impact in Joule	27 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
G87400	UNS	USA	Steel
8740.0000	AISI	USA	Steel
AMS-S-6049 8740	AMS	USA	Steel and Bar
J 1249 8740	SAE	USA	Steel
2S147 S 147	B.S.	United Kingdom	Steel, Bar and Forging
SA-320 Grade L73	ASME	USA	Steel
SA-320 Grade L7C	ASME	USA	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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