GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - Gravity 14-4CrMo

Standard Specification for Tool Steels

Group - Ferrous Stainless Steel Alloys

Sub Group - Gravity 14-4CrMo Tool Steels

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

Grade Belongs to the Industry - Steel, Bars, Rods, Casting and Forging

Chemical Composition		
Carbon	C %	0.500 - 1.500
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.040 max.
Chromium	Cr %	13.000 - 15.000
Molybdenum	Mo %	3.000 - 5.000
Other	Ot %	1.000 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or As-Cast or Stress Relieved

Mechanical Properties	
Tensile Strength in Mpa	-
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HRC	20 - 60
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
S42700	UNS	USA	Steel
S42800	UNS	USA	Steel
AMS 5619	SAE	USA	Steel, Bars, Wire, Forging and Tubing
5749	SAE	USA	Steel
5619	AMS	USA	Bars and Forging
5749	AMS	USA	Steel, Bars, Wire, Forging and Tubing
AMS 5900	SAE	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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.