GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A290 Grade 4 Class L

Standard Specification for Carbon and Alloy Steel Forgings for Rings for Reduction Gears

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A290 Grade 4 Class L Carbon and Alloy Steel Forgings for Rings for Reduction Gears

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

Grade Belongs to the Industry - Forging

Chemical Composition		
Carbon	C %	0.350 - 0.450
Manganese	Mn %	0.600 - 0.900
Phosphorus	P %	0.040 max.
Sulphur	S %	0.040 max.
Silicon	Si %	0.350 max.
Nickel	Ni %	1.650 - 2.000
Chromium	Cr %	0.600 - 0.900
Molybdenum	Mo %	0.200 - 0.500
Vanadium	V %	0.100 max.
Copper	Cu %	0.350 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Normalizing or Quenching & Tempering

Mechanical Properties	
Tensile Strength in Mpa	-
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HB	341 - 401
Impact in Joule	-

www.gravitycastindia.com

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
G43404	UNS	USA	Steel
J 412 4340	SAE	USA	Steel
J 1397 4340	SAE	USA	Steel and Bars
J 404 4340	SAE	USA	Steel
AMS 5330 4340 Mod	SAE	USA	Steel
SA-29 Grade 4340	ASME	USA	Steel and Bars
SA-29 Grade E4340	ASME	USA	Steel and Bars

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.