GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ISO 9328-2 14CrMo9-10

Standard Specification for Steel Flat Products for Pressure Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - ISO 9328-2 14CrMo9-10 Steel Flat Products for Pressure Purposes

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.170 max.
Silicon	Si %	0.500 max.
Manganese	Mn %	0.300 - 0.600
Phosphorus	P %	0.015 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	2.000 - 2.500
Copper	Cu %	0.400 max.
Molybdenum	Mo %	0.900 - 1.100
Niobium	Nb %	0.020 max.
Nickel	Ni %	0.400 max.
Titanium	Ti %	0.030 max.
Vanadium	V %	0.030 max.
Iron	Fe %	Balance
-	-	-
-	-	-

Heat Treatment
As-Raw or Normalizing or Normalizing & Tempering or Quenching & Tempering

Mechanical Properties	
Tensile Strength in Mpa	580 - 760
Yield Strength in Mpa	380 min.
Elongation in %	17 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

www.gravitycastindia.com

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
K31835	UNS	USA	Steel
A 182 F 22V	ASTM	USA	Steel and Pipe
A 541 Grade 22V	ASTM	USA	Steel and Forging
1501-2 622/515	B.S.	United Kingdom	Steel and Plates
SA-336 Grade F22V	ASME	USA	Steel and Forging
SA-832 Grade 22V	ASME	USA	Steel and Plates
G 3206 SFVCM F 22B	JIS	Japan	Steel and Forging

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.