GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10222-2 1.7715 (14MoV6-3)

Standard Specification for Ferritic and Martensitic Steels With Specified Elevated Temperatures Properties

Group - Ferrous Mild Steel Alloys

Sub Group - BS EN 10222-2 1.7715 (14MoV6-3) Ferritic and Martensitic Steels With Specified Elevated Temperatures Properties

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

Grade Belongs to the Industry - Forging

Chemical Composition		
Carbon	C %	0.100 - 0.180
Silicon	Si %	0.400 max.
Manganese	Mn %	0.400 - 0.700
Phosphorus	P %	0.025 max.
Sulphur	S %	0.010 max.
Aluminium	Al %	0.020 max.
Chromium	Cr %	0.300 - 0.600
Molybdenum	Mo %	0.500 - 0.700
Vanadium	V %	0.220 - 0.280
Tin	Sn %	0.025 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

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

Mechanical Properties	
Tensile Strength in Mpa	460 - 610
Yield Strength in Mpa	300 min.
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	27 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
17175 14 MoV 6 3	DIN	Germany	Steel and Tubing
17243 14 MoV 6 3	DIN	Germany	Steel and Bars
17175 1.7715	DIN	Germany	Steel and Tubing
41 5128 15128	CSN	Czech Republic	Steel
1714 KL 10	MSZ	Hungary	Steel
36087-2 F.2621	UNE	Spain	Plate, Sheet and Strip
36087-2 13 MoCrV 6	UNE	Spain	Plate, Sheet and Strip

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.