GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10269 25CrMo4 I 1.7218

Standard Specification for Steel and Nickel Alloys for Fasteners with Specified Elevated and/or Low Temperature Properties

Group - Ferrous Mild Steel Alloys

Sub Group - BS EN 10269 25CrMo4 I 1.7218 Steel and Nickel Alloys for Fasteners with Specified Elevated and/or Low Temperature Properties

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.220 - 0.290
Silicon	Si %	0.400 max.
Manganese	Mn %	0.600 - 0.900
Phosphorus	P %	0.025 max.
Sulphur	S %	0.035 max.
Chromium	Cr %	0.900 - 1.200
Molybdenum	Mo %	0.150 - 0.300
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Quenching & Tempering

Mechanical Properties	
Tensile Strength in Mpa	600 - 750
Proof Strength in Mpa	440 min.
Elongation in %	18 min.
Reduction of Area in %	60 min.
Hardness in HBW	-
Impact in Joule	60 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
10250-3 1.7218	EN	European Union	Steel and Forging
17176 1.7218	DIN	Germany	Steel and Tubing
EN 10083-1 25 CrMo 4	DIN	Germany	Steel
EN 10083-1 25 CrMo 4	B.S.	United Kingdom	Steel
683-18 25 CrMo 4	ISO	International	Steel
25 CrMo 4	NBN	Belgium	Steel
EN 10083-1 25 CrMo 4	NS	Norway	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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