GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10267 1.1304 (46MnVS6)

Standard Specification for Ferritic-Pearlitic Steels for Precipitation Hardening from Hot-Working Temperatures

Group - Ferrous Mild Steel Alloys

Sub Group - BS EN 10267 1.1304 (46MnVS6) Ferritic-Pearlitic Steels for Precipitation Hardening from Hot-Working Temperatures

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.420 - 0.490
Silicon	Si %	0.150 - 0.800
Manganese	Mn %	1.200 - 1.600
Phosphorus	P %	0.025 max.
Sulphur	S %	0.020 - 0.060
Nitrogen	N %	0.010 - 0.020
Chromium	Cr %	0.300 max.
Molybdenum	Mo %	0.080 max.
Vanadium	V %	0.080 - 0.200
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or precipitation Hardening

Mechanical Properties	
Tensile Strength in Mpa	900 - 1050
Proof Strength in Mpa	580 min.
Elongation in %	10 min.
Reduction of Area in %	20 min.
Hardness in HRB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
10267 46 MnVS 6 + P	EN	European Union	Steel
10267 1.1304 + P	EN	European Union	Steel
10267 1.1302 + P	EN	European Union	Steel
A 33-111 D 4	AFNOR NF	France	Steel
EN 10267 19 MnVS6	AFNOR NF	France	Steel
A 33-111 D 2	AFNOR NF	France	Steel
EN 10267 38 MnVS 6	AFNOR NF	France	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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