GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A1026 Grade 65

Standard Specification for Alloy Steel Structural Shapes for Use in Building Framing

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A1026 Grade 65 Alloy Steel Structural Shapes for Use in Building Framing

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

Grade Belongs to the Industry - Shapes

Chemical Composition		
Carbon	C %	0.070 max.
Manganese	Mn %	0.500 - 1.500
Phosphorus	P %	0.035 max.
Sulphur	S %	0.025 max.
Silicon	Si %	0.100 - 0.400
Chromium	Cr %	0.350 max.
Molybdenum	Mo %	0.070 max.
Nickel	Ni %	0.400 - 0.700
Copper	Cu %	0.700 - 1.300
Titanium	Ti %	0.040 max.
Vanadium	V %	0.010 max.
Boron	B %	0.0005 - 0.0030
Niobium	Nb %	0.010 - 0.050
Nitrogen	N %	0.012 max.
Tin	Sn %	0.030 max.

Chemical Composition		
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw

Mechanical Properties	
Tensile Strength in Mpa	450 - 550
Yield Strength in Mpa	550 min.
Elongation in %	17 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
10028-3 1.0487	EN	European Union	Steel
10028-3 P 275 NH	EN	European Union	Steel
EN 10028-3 P 275 NH	DIN	Germany	Steel
EN 10028-3 1.0487	DIN	Germany	Steel
EN 10028-3 P 275 NH	AFNOR NF	France	Steel
EN 10028-3 P 275 NH	B.S.	United Kingdom	Steel
P 275 NH	NBN	Belgium	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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