GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10028-6 P460QH I 1.8871

Standard Specification for Flat Products Made of Steels for Pressure Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - BS EN 10028-6 P460QH I 1.8871 Flat Products Made of Steels for Pressure Purposes

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.180 max.
Silicon	Si %	0.500 max.
Manganese	Mn %	1.700 max.
Phosphorus	P %	0.025 max.
Sulphur	S %	0.010 max.
Nitrogen	N %	0.015 max.
Boron	B %	0.005 max.
Chromium	Cr %	0.500 max.
Molybdenum	Mo %	0.500 max.
Copper	Cu %	0.300 max.
Niobium	Nb %	0.050 max.
Nickel	Ni %	1.000 max.
Titanium	Ti %	0.030 max.
Vanadium	V %	0.080 max.
Zirconium	Zr %	0.050 max.

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

Heat Treatment
As-Raw or Quenching & Tempering

Mechanical Properties	
Tensile Strength in Mpa	550 - 720
Yield Strength in Mpa	460 min.
Elongation in %	19 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	60 @ RT

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Cross Reference Table

Material	Standard	Country	Grade Belong to the Industry
EN 10028-6 P 460 QH	AFNOR NF	France	Steel
EN 10028-6 P460QH	DIN	Germany	Steel
EN 10028-6 1.8871	DIN	Germany	Steel
10273 P 460 QH	EN	European Union	Steel and Bars
10273 1.8871	EN	European Union	Steel and Bars
10028-6 1.8872	EN	European Union	Steel
10028-6 1.8864	EN	European Union	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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