GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10216-3 P69QL1 I 1.8881

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - BS EN 10216-3 P69QL1 I 1.8881 Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry - Tubing

Chemical Composition		
Carbon	C %	0.200 max.
Silicon	Si %	0.800 max.
Manganese	Mn %	1.200 - 1.700
Phosphorus	P %	0.025 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	1.500 max.
Molybdenum	Mo %	0.700 max.
Nickel	Ni %	2.500 max.
Aluminium	Al %	0.020 min.
Copper	Cu %	0.300 max.
Nitrogen	N %	0.015 max.
Niobium	Nb %	0.060 max.
Titanium	Ti %	0.050 max.
Vanadium	V %	0.120 max.
Iron	Fe %	Balance

Heat Treatment
As-Raw or Quenching & Tempering

Mechanical Properties	
Tensile Strength in Mpa	770 - 960
Yield Strength in Mpa	690 min.
Elongation in %	16 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	70 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN 10028-6 P690QL2	DIN	Germany	Steel
EN 10028-6 1.8888	DIN	Germany	Steel
EN 10028-6 P 690 QL2	AFNOR NF	France	Steel
10028-6 P 690 QL 2	EN	European Union	Steel
10028-6 1.8888	EN	European Union	Steel
10216-3 1.8879	EN	European Union	Steel and Tubing
10216-3 1.8880	EN	European Union	Steel and Tubing

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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