

# Material: BS 10216-2 EN 1.0345

## Standard Specification for Seamless Steel Tubes for Pressure Purposes

**Group:** Ferrous Mild Steel Alloys

**Sub Group:** BS 10216-2 Seamless Steel Tubes for Pressure Purposes

**Application:** Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

**Belongs to the Industry:** Steel and Tube

Chemical Composition			Heat Treatment	
Carbon	C %	0.160 max.	Normalising Forming	
Silicon	Si %	0.350 max.		
Manganese	Mn %	1.200 max.		
Phosphorus	P %	0.025 max.		
Sulphur	S %	0.020 max.		
Chromium	Cr %	0.300 max.		
Nickel	Ni %	0.300 max.		
Molybdenum	Mo %	0.080 max.		
Copper	Cu %	0.300 max.		
Aluminium	Al %	0.020 max.		
Niobium	Nb %	0.010 max.		
Titanium	Ti %	0.040 max.		
Vanadium	V %	0.020 max.		
Cr + Cu + Mo + Ni	Cr % + Cu %	0.700 max.		
Iron	Fe %	Balance		
			Mechanical Properties	
			Tensile Strength in Mpa	360 - 500
			Yield Strength in Mpa	235 min.
			Elongation in %	23 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	27 min. @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.0348	EN	European Union	Steel and Tube
UHI/ P195GH	DIN	Germany	Steel and Tube
1.0348	EN	European Union	Steel and Tube
1.0348	DIN	Germany	Steel and Tube
1004	AS	Australia	Steel and Tube
10848	GOST	Russia	Sheet and Strip
2C10	UNI	Italy	Plate, Sheet, Strip, Coil and Flats

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**Customer Care:** +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)