

# Material: DIN 1.0348

## Standard Specification for Seamless Steel Tubes for Pressure Purposes

**Group:** Ferrous Mild Steel Alloys

**Sub Group:** DIN 1.0348 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		
Carbon	C %	0.130 max.
Silicon	Si %	0.350 max.
Manganese	Mn %	0.700 max.
Phosphorus	P %	0.025 max.
Sulphur	S %	0.020 max.
Chromium	Cr %	0.300 max.
Molybdenum	Mo %	0.080 max.
Aluminium	Al %	0.020 max.
Copper	Cu %	0.300 max.
Niobium	Nb %	0.010 max.
Vanadium	V %	0.020 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing Forming

Mechanical Properties	
Tensile Strength in Mpa	320 - 440
Yield Strength in Mpa	195 min.
Elongation in %	25 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	27 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.0348	EN	European Union	Steel and Tube
P195GH	EN	European Union	Steel and Tube
UHI/ P195GH	DIN	Germany	Steel and Tube
1.0348	EN	European Union	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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