



## Material - EN 1.4940

### Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - EN 1.4940 Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry - Steel

Chemical Composition			Heat Treatment	
Carbon	C %	0.040 - 0.080	Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	17.000 - 19.000		
Nickel	Ni %	9.000 - 13.000		
Nitrogen	N %	0.110 max.		
Titanium	Ti %	0.800 max.		
Iron	Fe %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa      510 - 710 Yield Strength in Mpa      190 min. Elongation in %      30 min. Reduction of Area in %      - Hardness in BHN      - Impact in Joule      60 J @ RT	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
10216-5 EN 1.4940	BS	British	Tube
1.494	DIN	Germany	Steel
08Ch18N10	GOST	Russia	Casting
321	SAE	USA	Steel
1.4541	DIN	Germany	Steel
1.4541	EN	European Union	Steel
04Ch18N10	GOST	Russia	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](mailto:marketing@gravitycastindia.com)**

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