

ST 52 TUBE SPECIFICATIONS

GENERAL CHARACTERISTICS

DIN 2391/C (DIN EN 10305-4). Steel [ST 52 Tubes](#) for precision applications. Technical delivery conditions. Part 4: Seamless cold drawn tubes for hydraulic and pneumatic power systems. DIN 2445/2 Seamless steel tubes for dynamic loads. Part 2: Steel tubes for precision application in fluid systems, 100 bar to 500 bar. Material Specifications: ST37.4 (E235N), ST52.4 (E355N).

ST 52 CHEMICAL COMPOSITION FOR TUBE:

Designation		%C	%Si	%Mn	%S	%P
ST 52 Tubes	Min	--	--	--	--	--
	Max	0.22	0.55	1.60	0.015	0.025

MECHANICAL PROPERTIES OF ST 52 TUBE:

Mechanical properties	Tensile Strength (MPA)	Yield Strength (MPA)	Elongation (%)
ST 52 Tubes	490-630	355	22

WELDABILITY:

Tubes of ST37.4, and ST52.4 are suitable for welding according to usual techniques. The welding filler should be selected in accordance with DIN EN 1600 and DIN EN 12072 part 1 taking into account the type of application and the welding technique.

FINISHING:

NBK, Normalized, phosphate, and oiled inside and outside. The tubes are annealed above the upper transformation point in a controlled atmosphere or under a vacuum.

For more details visit: [ST 52 Tubes Supplier](#)

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