

Seamless cold drawn E0 stainless steel tube | Material 316L (1.4404)

Acc. to DIN 10216-5, DIN 10305-1 (-316BA); ASTM A269/A213 (-316)

1. Due to Parker's high quality standards, the pickled tubes (-316) are calculated according to the values of bright annealed tubes (-316BA). Nominal pressure calculation based on these mechanical properties requires certification in accordance with 3.1 - EN 10204, which confirms the mechanical properties
2. DIN 2413 I static pressure (W.P.) capability for straight pipe including manufacturing tolerance.
3. DIN 2413 III dynamic pressure (W.P.) capability for straight pipe including manufacturing tolerance.
4. Burst pressure (B.P.) calculation acc. to Faupel-von-Mises

Material 316L (1.4404)		d _a Outer-Ø (mm)	Outer-Ø Tolerance (mm)	s Wall- thickness (mm)	d _i Inner-Ø (mm)	Design pressure		4 Burst pressure bar	Weight kg/m
1 pickled	bright annealed					2 DIN 2413 I static PN bar	3 DIN 2413 III dynamic PN bar		
Order code									
	R12X1.5-316BA	12	±0.08	1.5	9.0	368	297	1229	0.394
R16X2-316		16	±0.08	2.0	12.0	368	297	1229	0.701
R18X2-316		18	±0.08	2.0	14.0	327	267	1074	0.801
R20X2-316		20	±0.08	2.0	16.0	294	242	953	0.901
R20X2.5-316		20		2.5	15.0	368	297	1229	1.096
R25X2.5-316		25	±0.08	2.5	20.0	294	242	953	1.409
R25X3-316		25		3.0	19.0	353	286	1172	1.653
R30X3-316		30	±0.08	3.0	24.0	294	242	953	2.028
R30X4-316		30		4.0	22.0	392	314	1325	2.604
R38X2.5-316		38	±0.15	2.5	33.0	193	164	603	2.222
R38X3-316		38		3.0	32.0	232	195	734	2.629
R38X4-316		38		4.0	30.0	309	254	1010	3.405
R38X5-316		38		5.0	28.0	387	311	1305	4.132
R42X3-316		42	±0.20	3.0	36.0	210	177	659	2.930
R50X3-316		50	±0.20	3.0	44.0	176	150	546	3.531
R50X5-316		50		5.0	40.0	294	242	953	5.634
R50X6-316		50		6.0	38.0	353	286	1172	6.611
R60X3-316		60	±0.25	3.0	54.0	147	126	450	4.282
R60X5-316		60		5.0	50.0	245	205	779	6.886
R60X6-316		60		6.0	48.0	294	242	953	8.113
R66X8.5-316		66	±0.30	8.5	49.0	379	305	1272	12.238
R73X7-316		73	±0.35	7.0	59.0	282	233	910	11.568
R75X3-316		75	±0.35	3.0	69.0	118	102	356	5.409
R75X5-316		75		5.0	65.0	196	166	611	8.764
R80X10-316		80	±0.35	10.0	60.0	368	297	1229	17.528

Other sizes on request!