Seamless EO steel tubes | Material E235+N / St.37.4 (1.0308)

Acc. to DIN EN 10305-4

1. DIN 2413 I: Tubes with a diameter of OD/ID>2 are calculated for static stress in accordance with DIN 2413 III but with K=yield strength.
2. Evaluated in Parker Lab and Test Field. ( ) = Burst pressure (B.P.) acc. to Faupel-von-Mises

Material E235+N / St.37.4 (1.0308)		d_a Outer-Ø (mm)	Outer-Ø Tolerance (mm)	s Wall-thickness (mm)	d_i Inner-Ø (mm)	Desgin pressure		2 Burst pressure bar	Weight kg/m
Surface						1 DIN 2413 I static PN bar	DIN 2413 III dynamic PN bar		
Phosphated and oiled	Cr(VI)-free								
Order code									
R04X0.5	**R04X0.5CF**	04	±0.08	0.50	3.0	313	273	1160	0.047
	R04X0.75CF	04		0.75	2.5	470	391	1820	0.063
R04X1	**R04X1CF**	04		1.00	2.0	627	500	2700	0.074
	R05X1CF	05	±0.08	1.00	3.0	501	414	2120	0.099
	R06X0.75CF	06	±0,08	0.75	4.5	333	288	1150	0.103
R06X1	**R06X1CF**	06		1.00	4.0	444	372	1650	0.123
R06X1.5	**R06X1.5CF**	06		1.50	3.0	666	526	2550	0.166
	R06X2CF	06		2.00	2.0	692	662	>3500	0.197
R06X2.25	**R06X2.25CF**	06		2.25	1.5	757	725	>3500	0.208
R08X1	**R08X1CF**	08	±0.08	1.00	6.0	333	288	1175	0.173
R08X1.5	**R08X1.5CF**	08		1.50	5.0	499	412	1925	0.240
R08X2	**R08X2CF**	08		2.00	4.0	666	526	2500	0.296
	R08X2.5CF	08		2.50	3.0	658	630	2650	0.339
R10X1	**R10X1CF**	10	±0.08	1.00	8.0	282	248	900	0.222
R10X1.5	**R10X1.5CF**	10		1.50	7.0	423	357	1450	0.314
R10X2	**R10X2CF**	10		2.00	6.0	564	458	2025	0.395
R10X2.5	**R10X2.5CF**	10		2.50	5.0	705	551	2675	0.462
	R10X3CF	10		3.00	4.0	666	638	>3500	0.518
R12X1	**R12X1CF**	12	±0.08	1.00	10.0	235	209	750	0.271
R12X1.5	**R12X1.5CF**	12		1.50	9.0	353	303	1150	0.388
R12X2	**R12X2CF**	12		2.00	8.0	470	391	1600	0.493
	R12X2.5CF	12		2.50	7.0	588	474	2025	0.586
	R12X3CF	12		3.00	6.0	705	551	2600	0.666
	R12X3.5CF	12		3.50	5.0	651	624	(3109)	0.734
	R14X1.5CF	14	±0.08	1.50	11.0	302	264	975	0.462
R14X2	**R14X2CF**	14		2.00	10.0	403	342	1325	0.592
R14X2.5	**R14X2.5CF**	14		2.50	9.0	504	415	1650	0.709
	R14X3CF	14		3.00	8.0	604	485	2200	0.814
R15X1	**R15X1CF**	15	±0.08	1.00	13.0	188	170	575	0.345
R15X1.5	**R15X1.5CF**	15		1.50	12.0	282	248	950	0.499
R15X2	**R15X2CF**	15		2.00	11.0	376	321	1275	0.641
R16X1.5	**R16X1.5CF**	16	±0.08	1.50	13.0	264	233	850	0.536
R16X2	**R16X2CF**	16		2.00	12.0	353	303	1175	0.691
R16X2.5	**R16X2.5CF**	16		2.50	11.0	441	370	1500	0.832
R16X3	**R16X3CF**	16		3.00	10.0	529	433	1850	0.962
R18X1	**R18X1CF**	18	±0.08	1.00	16.0	157	143	450	0.419
R18X1.5	**R18X1.5CF**	18		1.50	15.0	235	209	700	0.610
R18X2	**R18X2CF**	18		2.00	14.0	313	273	975	0.789
R18X2.5	**R18X2.5CF**	18		2.50	13.0	392	333	1300	0.956
	R18X3CF	18		3.00	12.0	470	391	1575	1.111

Surface finish:
- Tubes with I.D. 1.5-5 mm: outside and inside oiled.
- Tubes from 6 mm I.D.: outside and inside phosphated and oiled.
- Cr(VI)-free:
These dimensions are externally thick coat passivated (thickness of coat 8-12µm), inside oilded.

Seamless EO steel tubes (continued) | Material E235+N / St.37.4 (1.0308)

Acc. to DIN EN 10305-4

1. DIN 2413 I: Tubes with a diameter of OD/ID>2 are calculated for static stress in accordance with DIN 2413 III but with K=yield strength.
2. Evaluated in Parker Lab and Test Field.

Material E235+N / St.37.4 (1.0308)		d_a Outer-Ø (mm)	Outer-Ø Tolerance (mm)	s Wall-thickness (mm)	d_i Inner-Ø (mm)	Design pressure		2 Burst pressure bar	Weight kg/m
Surface						1 DIN 2413 I static PN bar	DIN 2413 III dynamic PN bar		
Phosphated and oiled	Cr(VI)-free								
Order code									
	R20X1.5CF	20	±0.08	1.50	17.0	212	190	675	0.684
R20X2	**R20X2CF**	20		2.00	16.0	282	248	900	0.888
R20X2.5	**R20X2.5CF**	20		2.50	15.0	353	303	1100	1.079
R20X3	**R20X3CF**	20		3.00	14.0	423	357	1400	1.258
	R20X3.5CF	20		3.50	13.0	494	408	1650	1.424
	R20X4CF	20		4.00	12.0	564	458	2000	1.578
R22X1.5	**R22X1.5CF**	22	±0.08	1.50	19.0	192	173	550	0.758
R22X2	**R22X2CF**	22		2.00	18.0	256	227	775	0.986
R22X2.5	**R22X2.5CF**	22		2.50	17.0	320	278	1025	1.202
	R22X3CF	22		3.00	16.0	385	328	1175	1.406
R25X2	**R25X2CF**	25	±0.08	2.00	21.0	226	201	725	1.134
R25X2.5	**R25X2.5CF**	25		2.50	20.0	282	248	850	1.387
R25X3	**R25X3CF**	25		3.00	19.0	338	292	1025	1.628
R25X4	**R25X4CF**	25		4.00	17.0	451	378	1500	2.072
	R25X4.5CF	25		4.50	16.0	508	418	1625	2.275
R28X1.5	**R28X1.5CF**	28	±0.08	1.50	25.0	151	138	425	0.980
R28X2	**R28X2CF**	28		2.00	24.0	201	181	600	1.282
R28X2.5	**R28X2.5CF**	28		2.50	23.0	252	223	750	1.572
R28X3	**R28X3CF**	28		3.00	22.0	302	264	900	1.850
	R30X2CF	30	±0.08	2.00	26.0	188	170	575	1.381
R30X2.5	**R30X2.5CF**	30		2.50	25.0	235	209	725	1.695
R30X3	**R30X3CF**	30		3.00	24.0	282	248	850	1.998
R30X4	**R30X4CF**	30		4.00	22.0	376	321	1175	2.565
R30X5	**R30X5CF**	30		5.00	20.0	470	391	1600	3.083
R35X2	**R35X2CF**	35	±0.15	2.00	31.0	161	147	450	1.628
R35X2.5	**R35X2.5CF**	35		2.50	30.0	201	181	600	2.004
R35X3	**R35X3CF**	35		3.00	29.0	242	215	700	2.367
	R35X4CF	35		4.00	27.0	322	280	960	3.058
	R38X2.5CF	38	±0.15	2.50	33.0	186	168	550	2.189
R38X3	**R38X3CF**	38		3.00	32.0	223	199	675	2.589
R38X4	**R38X4CF**	38		4.00	30.0	297	260	900	3.354
R38X5	**R38X5CF**	38		5.00	28.0	371	318	1150	4.069
	R38X6CF	38		6.00	26.0	445	373	1425	4.735
	R38X7CF	38		7.00	24.0	519	427	1700	5.352
R42X2	**R42X2CF**	42	±0.20	2.00	38.0	134	123	375	1.973
R42X3	**R42X3CF**	42		3.00	36.0	201	181	575	2.885
R42X4	**R42X4CF**	42		4.00	34.0	269	237	850	3.749

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Other sizes on request!