

Range A Tube dimension for DIN 11850 range 2

Dimension DN	OD	ID	Tolerances	Wall Thickness	Tolerances	Weight	Ordering Code
			OD		On Wall Thickness		
6	8.00	6.00	±0.5	1.00	±10%	0.175	006000-006-D*
8	10.00	8.00	±0.5	1.00	±10%	0.226	008000-008-D*
10	13.00	10.00	±0.5	1.50	±10%	0.432	010000-010-D*
15	19.00	16.00	±0.10	1.50	±10%	0.658	015000-015-D*
20	23.00	20.00	±0.10	1.50	±10%	0.808	020000-020-D*
25	29.00	26.00	±0.12	1.50	±10%	1.034	025000-025-D*
32	35.00	32.00	±0.15	1.50	±10%	1.260	032000-032-D*
40	41.00	38.00	±0.15	1.50	±10%	1.485	040000-040-D*
50	53.00	50.00	±0.25	1.50	±10%	1.937	050000-050-D*
65	70.00	66.00	±0.30	2.00	±10%	3.409	065000-065-D*
80	85.00	81.00	±0.43	2.00	±10%	4.162	080000-080-D*
100	104.00	100.00	±0.52	2.00	±10%	5.114	100000-100-D*
125	129.00	125.00	±0.65	2.00	±10%	6.368	125000-125-D*
150	154.00	150.00	±0.77	2.00	±10%	7.621	150000-150-D*
200	204.00	200.00	±1.02	2.00	±10%	10.128	200000-200-D*

* The first digit refer to material guide, according to Table 1

** The last digit refer to surface quality, according to Table 2

Range B Tube dimension for DIN EN ISO 1127

Dimension DN	OD	ID	Tolerances	Wall Thickness	Tolerances	Weight	Ordering Code
			OD		On Wall Thickness		
10.2	10.20	7.00	±0.05	1.60	±10	0.345	010000-010-G*
13.5	13.50	10.30	±0.05	1.60	±10	0.477	013000-013-G*
17.2	17.20	14.00	±0.10	1.60	±10	0.626	017000-017-G*
21.3	21.30	18.10	±0.10	1.60	±10	0.790	021000-021-G*
26.9	26.90	23.70	±0.12	1.60	±10	1.015	026000-026-G*
33.7	33.70	29.70	±0.15	2.00	±10	1.589	033000-033-G*
42.4	42.40	38.40	±0.15	2.00	±10	2.026	042000-042-G*
48.3	48.30	44.30	±0.20	2.00	±10	2.321	048000-048-G*
60.3	60.30	56.30	±0.25	2.00	±10	2.923	060000-060-G*
76.1	76.10	72.10	±0.30	2.00	±10	3.715	076000-076-G*
88.9	88.90	84.30	±0.44	2.30	±12	4.993	088000-088-G*
114.3	114.30	109.70	±0.57	2.30	±12	6.458	114000-114-G*
139.7	139.70	134.50	±0.70	2.60	±13	8.936	139000-139-G*
168.3	168.30	163.10	±0.84	2.60	±13	10.801	168000-168-G*
219.1	219.10	213.90	±1.10	2.60	±15	14.112	219000-219-G*

* The first digit refer to material guide, according to Table 1

** The last digit refer to surface quality, according to Table 2

Table 1

Material Guide	
1.4301 (304)	1
1.4307 (304L)	2
1.4401 (316)	3
1.4404 (316L)	4

Table 2

Inside Surface	Outside Surface	Ordering Code
No finish requirement	No finish requirement	u
MP* 30µ-in 0.80µm	No finish requirement	0
MP* 30µ-in 0.80µm	MP* 30µ-in 0.80µm	3
MP* 20µ-in 0.51µm	MP* 30µ-in 0.80µm	4
MP* 12µ-in 0.30µm	MP* 30µ-in 0.80µm	7
MP* 9µ-in 0.23µm	MP* 30µ-in 0.80µm	8
Mirror	MP* 30µ-in 0.80µm	9

*MP: Mechanically Polished

Chemical Composition

Werkstoff- nummer	Norm	C ≤	Si ≤	Mn ≤	P max.	S ≤	N ≤	Cr	Mo	Ni
1.4301	DIN EN 10217-7	0.07	1.0	2.0	0.045	0.015	0.11	17.0 bis 19.5	—	8.0 bis 10.5
304	ASTM A269 ASTM A 270	0.08	0.75	2.0	0.045	0.030	0.10	18.0 bis 20.0	—	8.0 bis 10.5
1.4307	DIN EN 10217-7	0.03	1.0	2.0	0.045	0.015	0.11	17.5 bis 19.5	—	8.0 bis 10.0
304L	ASTM A269 ASTM A 270	0.03	0.75	2.0	0.045	0.030	0.10	18.0 bis 20.0	—	8.0 bis 12.0
1.4404	DIN EN 10217-7	0.03	1.0	2.0	0.045	0.015	0.11	16.5 bis 18.5	2.0 bis 2.5	10.0 bis 13.0
316L	ASTM A269 ASTM A 270	0.03	0.75	2.0	0.045	0.030	0.10	16.0 bis 18.0	2.0 bis 3.0	10.0 bis 14.0