

Sanitary Tubes DIN11850

Tubes acc. to DIN 11850 - Series 1 Dimensional Tolerances all dimensions in mm

Nominal diameter DN	Size OD	Tolerances, OD	Wall thickness	Tolerances on wall thickness	Tolerances on Length	Weight Kg/m
10	12	±0.12	1.0	±10%	+3.00	0.27
15	18	±0.12	1.0	±10%	+3.00	0.42
20	22	±0.12	1.0	±10%	+3.00	0.51
25	28	±0.15	1.0	±10%	+3.00	0.66
32	34	±0.15	1.0	±10%	+3.00	0.82
40	40	±0.2	1.0	±10%	+3.00	0.97
50	52	±0.2	1.0	±10%	+3.00	1.27

Tubes acc. to DIN 11850 - Series 2 Dimensional Tolerances all dimensions in mm

Nominal diameter DN	Size OD	Tolerances, OD	Wall thickness	Tolerances on wall thickness	Tolerances on Length	Weight Kg/m
10	13	±0.3	1.5	±10%	+3.00	0.43
15	19	±0.3	1.5	±10%	+3.00	0.66
20	23	±0.3	1.5	±10%	+3.00	0.81
25	29	±0.25	1.5	±10%	+3.00	1.03
32	35	±0.3	1.5	±10%	+3.00	1.26
40	41	±0.3	1.5	±10%	+3.00	1.50
50	53	±0.3	1.5	±10%	+3.00	1.944
65	70	±0.3	2.0	±10%	+3.00	3.43
80	85	±0.3	2.0	±10%	+3.00	4.16
100	104	±0.3	2.0	±10%	+3.00	5.03
125	129	±0.4	2.0	±10%	+10.00	6.36
150	154	±0.4	2.0	±10%	+10.00	7.612
200	204	±0.4	2.0	±10%	+10.00	10.116
250	254	±0.4	2.0	±10%	+20.00	12.555
300	304	±0.4	2.0	±10%	+20.00	15.045

Chemical Composition

Werkstoff- Norm nummer	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



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Tubes DIN11850 Practice based sizes Dimensional Tolerances all dimensions in mm

Nominal diameter DN	Size OD	Tolerances, OD	Wall thickness	Tolerances on wall thickness	Tolerances on Length	Weight Kg/m
10	12	±0.12	1.5	±10%	+3.00	0.3924
15	18	±0.12	1.5	±10%	+3.00	0.6205
20	22	±0.12	1.5	±10%	+3.00	0.7709
25	28	±0.15	1.5	±10%	+3.00	0.9965
32	34	±0.15	1.5	±10%	+3.00	1.2222
40	40	±0.2	1.5	±10%	+3.00	1.4478
50	52	±0.2	1.5	±10%	+3.00	1.8991

Tubes acc. to DIN 11850 - Series 3 Dimensional Tolerances all dimensions in mm


Nominal diameter DN	Size OD	Tolerances, OD	Wall thickness	Tolerances on wall thickness	Tolerances on Length	Weight Kg/m
10	14	±0.3	2.0	±10%	+3.00	0.60
15	20	±0.3	2.0	±10%	+3.00	0.90
20	24	±0.3	2.0	±10%	+3.00	1.10
25	30	±0.3	2.0	±10%	+3.00	1.40
32	36	±0.3	2.0	±10%	+3.00	1.70
40	42	±0.3	2.0	±10%	+3.00	2.00
50	54	±0.3	2.0	±10%	+3.00	2.60

Marking

The pipes should be marked according to the provisions of the technical specifications DIN 17456 or DIN 17455 with :

- Manufacture mark
- Standard
- Surface quality mark (see *****Section 14**)
- Dimension(ODxWTxLENGTH)
- Steel grade (material number)
- Heat number
- Lot number

For Examples

 GEMO-DIN11850-CD-52x1.5x6000mm-1.4301-HT145611-LOT Nr.141413

Ordering:

All tubes are delivered in lengths of 6 metres or 6.1 metres. Please state the following

when ordering:

- Range Series
- DIN number of the technical specification (welded pipes DIN17455 , seamless pipes DIN 17456)
- Outside diameter and wall thickness
- Manufactured length
- Material
- Abbreviation for the surface quality (see *****Section 14**)
- Certificates
- Test category accordig to DIN EN 10217-7

