

BioPharm/Ultrapure Tubes DIN 11866

Range A Tube dimension for DIN 11850 range 2

Dimensions (mm)

Dimension DN	6	8	10	15	20	25	32	40	50	65	80	100	125	150	200
Outside dimension	8.00	10.00	13.00	19.00	23.00	29.00	35.00	41.00	53.00	70.00	85.00	104.00	129.00	154.00	204.00
Inside dimension	6.00	8.00	10.00	16.00	20.00	26.00	32.00	38.00	50.00	66.00	81.00	100.00	125.00	150.00	200.00
Tolerances, OD	±0.05	±0.05	±0.05	±0.10	±0.10	±0.12	±0.15	±0.15	±0.25	±0.30	±0.43	±0.52	±0.65	±0.77	±1.02
Wall thickness	1.00	1.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	2.00	2.00	2.00	2.00	2.00	2.00
Tolerances on wall thickness ^{a)}	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10
Weight Kg/M	0.175	0.226	0.432	0.658	0.808	1.034	1.260	1.485	1.937	3.409	4.162	5.114	6.368	7.621	10.128

Range B Tube dimension for DIN EN ISO 1127

Dimensions (mm)

Dimension DN/OD	10.2	13.5	17.2	21.3	26.9	33.7	42.4	48.3	60.3	76.1	88.9	114.3	139.7	168.3	219.1
Outside dimension	10.20	13.50	17.20	21.30	26.90	33.70	42.40	48.30	60.30	76.10	88.90	114.30	139.70	168.30	219.10
Inside dimension	7.00	10.30	14.00	18.10	23.70	29.70	38.40	44.30	56.30	72.10	84.30	109.70	134.50	163.10	213.9
Tolerances, OD	±0.05	±0.05	±0.10	±0.10	±0.12	±0.15	±0.15	±0.20	±0.25	±0.30	±0.44	±0.57	±0.70	±0.84	±1.10
Wall thickness	1.60	1.60	1.60	1.60	1.60	2.00	2.00	2.00	2.00	2.00	2.30	2.30	2.60	2.60	2.60
Tolerances on wall thickness ^{a)}	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.12	±0.12	±0.13	±0.13	±0.15
Weight Kg/M	0.345	0.477	0.626	0.790	1.015	1.589	2.026	2.321	2.923	3.715	4.993	6.458	8.936	10.801	14.112

Range C Tube dimension for ASME-BPE 1997

Dimensions (mm)

Dimension DN/OD (Inch)	1/4"	3/8"	1/2"	3/4"	1"	1½"	2"	2½"	3"	4"	6"
Outside dimension	6.35	9.53	12.70	19.05	25.40	38.10	50.80	63.50	76.20	101.60	152.40
Inside dimension	4.57	7.75	9.40	15.75	22.10	34.80	47.50	60.20	72.90	97.38	146.86
Tolerances, OD	±0.05	±0.05	±0.05	±0.10	±0.12	±0.15	±0.20	±0.25	±0.30	±0.51	±0.76
Wall thickness	0.89	0.89	1.65	1.65	1.65	1.65	1.65	1.65	1.65	2.11	2.77
Tolerances on wall thickness ^{a)}	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.11	±0.14
Weight Kg/M	0.124	0.197	0.457	0.720	0.982	1.508	2.033	2.558	3.084	5.263	10.390

a) = For tubes which have inside treatment (Honen, polished or electropolished) the tolerances of wall thickness may be reduced with 0.05 mm.

Source: DIN11866

Ordering:

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

- Range (A,B or C)
- Material
- Hygiene Class (see *****Section 12**)
- OD/ID dimension

