

# SANITARY TUBE DIMENSIONS AND WEIGHTS

## DIN EN 10357 SERIES A (replaced for DIN 11850 series 2)

Noninal OD (DN)	OD (mm)	Wall thickness (mm)	Weight Kg/M
15	19	1.5	0.658
20	23	1.5	0.808
25	29	1.5	1.033
32	35	1.5	1.258
40	41	1.5	1.484
50	53	1.5	1.934
65	70	2	3.405
80	85	2	4.157
100	104	2	5.108
125	129	2	6.360
150	154	2	7.612
200	204	2	10.116

## DIN EN 10357 SERIES B (replaced for DIN 11850 series 1)

Noninal OD (DN)	OD (mm)	Wall thickness (mm)	Weight Kg/M
15	18	1	0.426
20	22	1	0.526
25	28	1	0.676
32	34	1	0.826
40	40	1	0.977
50	52	1	1.277

## DIN EN 10357 SERIES C (corresponds to ISO)

Noninal OD (DN)	OD (mm)	Wall thickness (mm)	Weight Kg/M
	17.2	1.6	0.615
	21.3	1.6	0.789
	26.9	1.6	1.014
	33.7	2	1.588
	42.4	2	2.023
	48.3	2	2.319
	60.3	2	2.920
	76.1	2	3.711
	88.9	2	4.352
	114.3	2	5.624

## OLD SERIES PIPE SIMILAR TO DIN 11850

Noninal OD (DN)	OD (mm)	Wall thickness (mm)	Weight Kg/M
15	18	1.5	0.620
20	22	1.5	0.770
25	28	1.5	0.995
32	34	1.5	1.221
40	40	1.5	1.446
50	52	1.5	1.897

## SMS 3008

Noninal OD (DN)	OD (mm)	Wall thickness (mm)	Weight Kg/M
1"	25	1.2	0.715
1-1/4"	32	1.2	0.920
1-1/2"	38	1.2	1.106
2"	51	1.2	1.496
2-1/2"	63.5	1.5	2.329
3"	76.1	1.6	2.985
4"	101.6	2	4.988

## ASME BPE, DIN 11866 SERIES C (suitable for Aseptic, chemical and pharmaceuticals)

Noninal OD (INCH)	OD (mm)	Wall thickness (mm)	Weight Kg/M
1/2"	12.7	1.65	0.457
3/4"	19.05	1.65	0.720
1"	25.4	1.65	0.982
1 1/2"	38.1	1.65	1.508
2"	50.8	1.65	2.033
2 1/2"	63.5	1.65	2.558
3"	76.2	1.65	3.084
4"	101.6	2.11	5.263
6"	152.4	2.77	10.390

### ASME BPE internal surface

SF1	SF2	SF3	SF4
0,5µm	0,625µm	0,75µm	0,375µm

### DIN 11866 internal surface

H2	H3	H4	H5
<0,8/1,6µm	<0,8µm	<0,4µm	<0,25µm

## DIN 11866 SERIES A (Aseptic, chemical and pharmaceuticals)

Noninal OD (DN)	OD (mm)	Wall thickness (mm)	Weight Kg/M
15	19	1.5	0.658
20	23	1.5	0.808
25	29	1.5	1.033
32	35	1.5	1.258
40	41	1.5	1.484
50	53	1.5	1.934
65	70	2	3.405
80	85	2	4.157
100	104	2	5.108
125	129	2	6.360
150	154	2	7.612
200	204	2	10.116

## DIN 11866 SERIES B (suitable for Aseptic, chemical and pharmaceuticals)

Noninal OD (DN)	OD (mm)	Wall thickness (mm)	Weight Kg/M
15	21.3	1.6	0.789
20	26.9	1.6	1.014
25	33.7	2	1.588
32	42.4	2	2.023
40	48.3	2	2.319
50	60.3	2	2.920
65	76.1	2	3.711
80	88.9	2.3	4.993
100	114.3	2.3	6.458
125	139.7	2.3	7.900
150	168.3	2.3	9.540
200	219.1	2.3	12.460

## DIN EN 10357 SERIES D (corresponds to SMS)

Noninal OD (DN)	OD (mm)	Wall thickness (mm)	Weight Kg/M
1"	25	1.2	0.715
1"	25.4	1.6	0.954
1-1/2"	38	1.2	1.106
1-1/2"	38.1	1.6	1.462
2"	50.8	1.6	1.971
2"	51	1.2	1.496
2-1/2"	63.5	1.5	2.329
2-1/2"	63.5	1.6	2.480
3"	76.1	1.6	2.985
3"	76.1	2	3.711
4"	101.6	2	4.988



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Outside Diameter (mm)	Wall-Thickness (mm)	Nominal Outside Diameter	Standard	Outside Diameter (mm)	Wall-Thickness (mm)	Nominal Outside Diameter	Standard	Outside Diameter (mm)	Wall-Thickness (mm)	Nominal Outside Diameter	Standard	Outside Diameter (mm)	Wall-Thickness (mm)	Nominal Outside Diameter	Standard	Outside Diameter (mm)	Wall-Thickness (mm)	Nominal Outside Diameter	Standard
6.00	1.00		Seamless Precision Tubing	21.30	1.60	DN15	ISO 1127 serie A	40.00	1.20		ISO 2037	73.03	5.16	2 1/2"/DN65 SCH 40S	ASTM A312	139.70	3.00	DN125	ISO 1127 serie C
6.35	0.89	1/4"	ASME BPE - SF 1	21.30	2.00	DN15	ISO 1127 serie B	40.00	1.60		ISO 2037	76.00	2.00	3"	SMS3008 Practise based size	139.70	2.60	DN125	DIN 11866 Range B
6.35	0.89	1/4"	ASME BPE - SF 4	21.30	2.60	DN15	ISO 1127 serie C	40.00	2.00		METRIC	76.10	1.60	3"	SMS3008	141.30	2.77	5"/DN125 SCH 5S	ASTM A312
8.00	1.00	DN6	DIN 11866 Range A	21.34	1.65	1/2"/DN15 SCH 5S	ASTM A312	41.00	1.50	DN40	DIN EN 10357 SERIES A	76.10	1.60		ISO 2037	141.30	3.40	5"/DN125 SCH 10S	ASTM A312
8.00	1.00		Seamless Precision Tubing	21.34	2.11	1/2"/DN15 SCH 10S	ASTM A312	41.00	1.50	DN40	DIN 11866 Range A	76.10	1.60	DN65	ISO 1127 serie A	141.30	6.55	5"/DN125 SCH 40S	ASTM A312
9.53	0.89	3/8"	ASME BPE - SF 1	21.34	2.77	1/2"/DN15 SCH 40S	ASTM A312	42.16	1.65	1 1/4"/DN32 SCH 5S	ASTM A312	76.10	2.00	DN65	DIN 11866 Range B	152.40	2.77	6"	3A
9.53	0.89	3/8"	ASME BPE - SF 4	22.00	1.00	DN20	DIN EN 10357 SERIES B	42.16	2.77	1 1/4"/DN32 SCH 10S	ASTM A312	76.10	2.00	DN65	ISO 1127 serie B	152.40	2.77	6"	ASME BPE - SF 1
9.53	0.89	DN10	DIN 11866 Range C	23.00	1.50	DN20	DIN EN 10357 SERIES A	42.16	3.56	1 1/4"/DN32 SCH 40S	ASTM A312	76.10	2.90	DN65	ISO 1127 serie C	152.40	2.77	6"	ASME BPE - SF 4
10.00	1.00	DN8	DIN 11866 Range A	23.00	1.50	DN20	DIN 11866 Range A	42.40	1.60	DN32	ISO 1127 serie A	76.20	1.60	3"	BS4825-1	152.40	2.77	DN150	DIN 11866 Range C
10.00	1.50		METRIC	25.00	1.00	1"	METRIC	42.40	2.00	DN32	DIN 11866 Range B	76.20	1.65	3"	3A	154.00	2.00	DN150	DIN EN 10357 SERIES A
10.00	1.50		Seamless Precision Tubing	25.00	1.20		ISO 2037	42.40	2.00	DN32	ISO 1127 serie B	76.20	1.65	3"	ASME BPE - SF 1	154.00	2.00	DN150	DIN 11866 Range A
10.20	1.60	DN6	ISO 1127 serie A	25.00	1.20		METRIC	42.40	2.60	DN32	ISO 1127 serie C	76.20	1.65	3"	ASME BPE - SF 4	168.28	2.77	6"/DN150 SCH 5S	ASTM A312
10.20	1.60	DN6	DIN 11866 Range B	25.00	1.60		ISO 2037	43.00	1.50		METRIC	76.20	1.65	DN80	DIN 11866 Range C	168.28	3.40	6"/DN150 SCH 10S	ASTM A312
10.29	1.24	1/8"/DN6 SCH 10S	ASTM A312	25.00	1.20	1"	SMS3008	48.26	1.65	1 1/2"/DN40 SCH 5S	ASTM A312	84.00	2.00		METRIC	168.28	7.11	6"/DN150 SCH 40S	ASTM A312
10.29	1.73	1/8"/DN6 SCH 40S	ASTM A312	25.40	1.20	1"	BS4825-1	48.26	2.77	1 1/2"/DN40 SCH 10S	ASTM A312	85.00	2.00	DN80	DIN EN 10357 SERIES A	168.30	2.00	DN150	ISO 1127 serie A
12.00	1.00	DN10	DIN EN 10357 SERIES B	25.40	1.60	1"	BS4825-1	48.26	3.68	1 1/2"/DN40 SCH 40S	ASTM A312	85.00	2.00	DN80	DIN 11866 Range A	168.30	2.60	DN150	ISO 1127 serie B
12.00	1.00		ISO 2037	25.40	1.65	1"	3A	48.30	1.60	DN40	ISO 1127 serie A	88.90	1.60	DN80	ISO 1127 serie A	168.30	3.00	DN150	ISO 1127 serie C
12.70	1.20	1/2"	BS4825-1	25.40	1.65	1"	ASME BPE - SF 1	48.30	2.00	DN40	DIN 11866 Range B	88.90	2.00	DN80	ISO 2037	168.30	2.60	6 5/8"	BS4825-1
12.70	1.65	1/2"	3A	25.40	1.65	1"	ASME BPE - SF 4	48.30	2.00	DN40	ISO 1127 serie B	88.90	2.00	DN80	ISO 1127 serie B	168.30	2.60		ISO 2037
12.70	1.65	1/2"	ASME BPE - SF 1	25.40	1.65	DN25	DIN 11866 Range C	48.30	2.60	DN40	ISO 1127 serie C	88.90	2.00	DN65	ISO 1127 serie B	168.30	2.60	DN150	DIN 11866 Range B
12.70	1.65	1/2"	ASME BPE - SF 4	26.67	2.11	3/4"/DN20 SCH 10S	ASTM A312	50.80	1.20	2"	BS4825-1	88.90	2.11	3"/DN80 SCH 5S	ASTM A312	204.00	2.00	DN200	DIN EN 10357 SERIES A
12.70	1.65	DN15	DIN 11866 Range C	26.67	2.87	3/4"/DN20 SCH 40S	ASTM A312	50.80	1.60	2"	BS4825-1	88.90	2.30	DN80	DIN 11866 Range B	204.00	2.00	DN200	DIN 11866 Range A
13.00	1.50	DN10	DIN EN 10357 SERIES A	26.90	1.60	DN20	ISO 1127 serie A	50.80	1.65	2"	3A	88.90	3.05	3"/DN80 SCH 10S	ASTM A312	219.08	2.77	8"/DN200 SCH 5S	ASTM A312
13.00	1.50	DN10	DIN 11866 Range A	26.90	2.00	DN20	ISO 1127 serie B	50.80	1.65	2"	ASME BPE - SF 1	88.90	2.90	DN80	ISO 1127 serie C	219.08	3.76	8"/DN200 SCH 10S	ASTM A312
13.50	1.60	DN8	DIN 11866 Range B	26.90	2.60	DN20	ISO 1127 serie C	50.80	1.65	2"	ASME BPE - SF 4	88.90	5.49	3"/DN80 SCH 40S	ASTM A312	219.08	8.18	8"/DN200 SCH 40S	ASTM A312
13.50	2.30	DN8	ISO 1127 serie C	26.90	1.60	DN20	DIN 11866 Range B	50.80	1.65	DN50	DIN 11866 Range C	101.60	2.00	4"	SMS3008	219.10	2.00	DN200	ISO 1127 serie A
13.72	1.65	1/4"/DN8 SCH 10S	ASTM A312	28.00	1.00	DN25	DIN EN 10357 SERIES B	51.00	1.20		ISO 2037	101.60	2.00	4"	BS4825-1	219.10	2.60	DN200	ISO 1127 serie B
13.72	2.24	1/4"/DN8 SCH 40S	ASTM A312	28.00	1.50	DN25	METRIC	51.00	1.20	2"	SMS3008	101.60	2.00		ISO 2037	219.10	3.00	DN200	ISO 1127 serie C
14.00	1.50		METRIC	29.00	1.50	DN25	DIN EN 10357 SERIES A	51.00	1.60		ISO 2037	101.60	2.11	4"	3A	219.10	2.60	8 5/8"	BS4825-1
15.00	1.50		METRIC	29.00	1.50	DN25	DIN 11866 Range A	52.00	1.00	DN50	DIN EN 10357 SERIES B	101.60	2.11	4"	ASME BPE - SF 1	219.10	2.60		ISO 2037
15.00	2.00		METRIC	33.40	2.77	1"/DN25 SCH 10S	ASTM A312	53.00	1.50	DN50	DIN EN 10357 SERIES A	101.60	2.11	4"	ASME BPE - SF 4	219.10	2.60	DN200	DIN 11866 Range B
15.88	1.20	5/8"	BS4825-1	33.40	3.38	1"/DN25 SCH 40S	ASTM A312	53.00	1.50	DN50	DIN 11866 Range A	101.60	2.11	DN100	DIN 11866 Range C	254.00	2.00	DN250	DIN EN 10357 SERIES A
16.00	1.00		METRIC	33.70	1.20		ISO 2037	60.30	2.00	DN50	DIN 11866 Range B	104.00	2.00	DN100	DIN EN 10357 SERIES A	254.00	3.05	10"	3A
16.00	1.50		Seamless Precision Tubing	33.70	1.60		ISO 2037	60.30	1.60	DN50	ISO 1127 serie A	104.00	2.00	DN100	DIN 11866 Range A	273.00	2.00	DN250	ISO 1127 serie A
17.15	1.65	3/8"/DN10 SCH 10S	ASTM A312	33.70	1.60	DN25	ISO 1127 serie A	60.30	2.00	DN50	ISO 1127 serie B	104.00	2.00		METRIC	273.00	2.60	DN250	ISO 1127 serie B
17.15	2.35	3/8"/DN10 SCH 40S	ASTM A312	33.70	2.00	DN25	DIN 11866 Range B	60.30	3.60	DN50	ISO 1127 serie C	104.00	2.00	4"	SMS3008 Practise based size	273.00	3.00	DN250	ISO 1127 serie C
17.20	1.00		ISO 2037	33.70	2.00	DN25	ISO 1127 serie B	60.33	1.65	2"/DN50 SCH 5S	ASTM A312	114.30	1.60	DN100	ISO 1127 serie A	273.10	4.19	10"/DN250 SCH 10S	ASTM A312
17.20	1.60	DN10	ISO 1127 serie A	33.70	2.60	DN25	ISO 1127 serie C	60.33	2.77	2"/DN50 SCH 10S	ASTM A312	114.30	2.00	DN100	ISO 1127 serie B	273.10	9.27	10"/DN250 SCH 40S	ASTM A312
17.20	2.00	DN10	ISO 1127 serie B	34.00	1.00	DN32	DIN EN 10357 SERIES B	60.33	3.91	2"/DN50 SCH 40S	ASTM A312	114.30	2.60	DN100	ISO 1127 serie C	304.00	3.05	12"	3A
17.20	2.60	DN10	ISO 1127 serie C	35.00	1.50	DN32	DIN EN 10357 SERIES A	63.50	1.60	2 1/2"	BS4825-1	114.30	2.00	4 1/2"	BS4825-1	304.00	3.40	12"	3A
17.20	1.60	DN10	DIN 11866 Range B	35.00	1.50	DN32	DIN 11866 Range A	63.50	1.60	2 1/2"	SMS3008	114.30	2.00		ISO 2037	323.90	4.57	12"/DN300 SCH 10S	ASTM A312
18.00	1.00	DN15	DIN EN 10357 SERIES B	38.00	1.20	1 1/2"	SMS3008	63.50	1.60		ISO 2037	114.30	2.11	4"/DN100 SCH 5S	ASTM A312	323.90	10.31	12"/DN300 SCH 40S	ASTM A312
19.00	1.50	DN15	DIN EN 10357 SERIES A	38.00	1.20		ISO 2037	63.50	1.65	2 1/2"	3A	114.30	2.30	DN100	DIN 11866 Range B	323.90	2.60	DN300	ISO 1127 serie B
19.00	1.50	DN15	DIN 11866 Range A	38.00	1.60		ISO 2037	63.50	1.65	2 1/2"	ASME BPE - SF 1	114.30	3.05	4"/DN100 SCH 10S	ASTM A312	323.90	3.00	DN300	ISO 1127 serie C
19.05	1.20	3/4"	BS4825-1	38.10	1.20	1 1/2"	BS4825-1	63.50	1.65	2 1/2"	ASME BPE - SF 4	114.30	6.02	4"/DN100 SCH 40S	ASTM A312	355.00	2.60	DN350	ISO 1127 serie B
19.05	1.65	3/4"	ASME BPE - SF 1	38.10	1.60	1 1/2"	BS4825-1	63.50	1.65	DN65	DIN 11866 Range C	129.00	2.00	DN125	DIN EN 10357 SERIES A	355.00	3.00	DN350	ISO 1127 serie C
19.05	1.65	3/4"	ASME BPE - SF 4	38.10	1.65	1 1/2"	3A	70.00	1.60		ISO 2037	129.00	2.00	DN125	DIN 11866 Range A	355.60	6.35	14"/DN350 SCH 10S	ASTM A312
19.05	1.65	3/4"	METRIC	38.10	1.65	1 1/2"	ASME BPE - SF 1	70.00	2.00	DN65	DIN EN 10357 SERIES A	139.70	2.00	5 1/2"	BS4825-1	355.60	11.13	14"/DN350 SCH 40S	ASTM A312
19.05	1.65	DN15	DIN 11866 Range C	38.10	1.65	1 1/2"	ASME BPE - SF 4	70.00	2.00	DN65	DIN 11866 Range A	139.70	2.00		ISO 2037	406.00	3.00	DN400	ISO 1127 serie C
21.30	1.00		ISO 2037	38.10	1.65	DN40	DIN 11866 Range C	73.03	2.11	2 1/2"/DN65 SCH 5S	ASTM A312	139.70	2.00	DN125	ISO 1127 serie A	406.40	6.35	16"/DN400 SCH 10S	ASTM A312
21.30	1.60	DN15	DIN 11866 Range B	40.00	1.00	DN40	DIN EN 10357 SERIES B	73.03	3.05	2 1/2"/DN65 SCH 10S	ASTM A312	139.70	2.60	DN125	ISO 1127 serie B	406.40	12.70	16"/DN400 SCH 40S	ASTM A312