

Gauge Index

Needle Gauge Table

Gauge	O.D. Tolerance		I.D. Tolerance		Wall Thickness		Volume μL/inch
	in	mm‡	in	mm‡	in	mm‡	
33	.0080-.0085	0.21	.0035-.0050	0.11	.002	.05	.20
32	.0090-.0095	0.24	.0035-.0050	0.11	.002	.05	.20
31	.0100-.0105	0.26	.0045-.0060	0.13	.0025	.06	.34
30	.0120-.0125	0.31	.0055-.0070	0.16	.003	.08	.45
28	.0140-.0145	0.36	.0065-.0080	0.18	.0035	.09	.63
27	.0160-.0165	0.41	.0075-.0090	0.21	.004	.10	.80
26s	.0184-.0189	0.47	.0045-.0055	0.13	.007	.18	.26
26	.0180-.0185	0.46	.0095-.0110	0.26	.004	.10	1.25
25	.0200-.0205	0.51	.0095-.0110	0.26	.005	.13	1.25
24	.0220-.0225	0.57	.0115-.0130	0.31	.005	.13	1.80
23	.0250-.0255	0.64	.0125-.0140	0.34	.006	.15	2.17
22s	.0280-.0285	0.72	.0055-.0065	0.15	.011	.28	.45
22	.0280-.0285	0.72	.0155-.0170	0.41	.006	.15	3.35
21	.0320-.0325	0.82	.0195-.0210	0.51	.006	.15	5.19
20	.0355-.0360	0.91	.0230-.0245	0.60	.006	.15	6.71
18	.0495-.0505	1.27	.0315-.0345	0.84	.0085	.22	14.08
17	.0575-.0580	1.47	.0405-.0435	1.07	.008	.20	22.84
16	.0645-.0655	1.65	.0455-.0485	1.19	.009	.23	28.25
14	.0820-.0840	2.11	.0610-.0650	1.60	.010	.25	51.07
13	.0940-.0960	2.41	.0690-.0730	1.80	.012	.31	64.63
12	.1080-.1100	2.77	.0830-.0870	2.16	.012	.31	93.07
11	.1190-.1210	3.05	.0920-.0960	2.39	.013	.33	113.00
10	.1330-.1350	3.40	.1040-.1080	2.69	.014	.36	143.28

‡ mm are nominal

Teflon Tubing Gauge Table

Gauge	Nominal O.D.		Nominal I.D.		Wall Thickness	Volume μL/inch
	in	mm	in	mm		
30	.030	.76	.012	.30	.009±.002	2.17
28	.033	.84	.015	.38	.009±.002	2.88
26	.036	.91	.018	.46	.009±.002	4.22
24	.040	1.02	.022	.56	.009±.002	6.26
22	.046	1.17	.028	.71	.009±.002	9.50
20	.058	1.47	.034	.86	.012±.003	14.75
19	.062	1.57	.038	.97	.012±.003	18.77
18	.066	1.68	.042	1.07	.012±.003	22.84
17	.071	1.80	.047	1.19	.012±.003	28.25
16	.077	1.96	.053	1.35	.012±.003	36.36
15	.083	2.11	.059	1.50	.012±.003	44.89
14	.090	2.29	.066	1.68	.012±.003	56.30
13	.100	2.54	.076	1.93	.012±.003	74.31
12	.109	2.77	.085	2.16	.012±.003	93.07
11	.119	3.02	.095	2.41	.012±.003	115.87
10	.130	3.30	.106	2.69	.012±.003	143.28
9	.148	3.76	.118	3.00	.015±.004	179.54
8	.163	4.14	.133	3.38	.015±.004	227.91
7	.178	4.52	.148	3.76	.015±.004	282.03
1/8"	.155	3.94	.125	3.18	.015±.004	201.73