

# HYPODERMIC TUBING

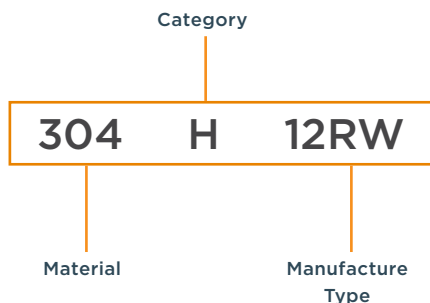
Hypodermic Tubing is welded and drawn to tight OD and ID tolerances, and is sold and stocked in gauge sizes.

Tolerances meet or exceed ASTM A908 standard. Hypodermic tubing is ideal for medical and industrial components applications that require strength, uniformity, and corrosion resistance. Not manufactured for pressure service. Wide selection, economical and quick delivery.

TE Connectivity maintains both 304 stainless steel and 316 stainless steel tubing in stock, typically in full-hard temper condition. 304 stainless steel hypodermic tubing is stocked in all sizes and wall thicknesses. 316 stainless steel hypodermic tubing is stocked in all gauges but primarily stocked in Regular Wall (RW) and Thin Wall (TW).



## How to Specify Hypodermic Tubing



To place an order, call 800-ALL-TUBE or visit us on the web at [www.microgroup.com](http://www.microgroup.com)

Gauge Size	Nominal Inches			OD		ID		304 SS Item #	316 SS Item #
	OD	Wall	ID	Min	Max	Min	Max		
3 RW	.259	.020	.219	.2570	.2610	.2160	.2220	304H03RW	-
3 TW	.259	.015	.229	.2570	.2610	.2270	.2310	304H03TW	-
3 X	.259	.010	.239	.2570	.2610	.2370	.2410	304H03X	-
4 RW	.238	.020	.198	.2360	.2400	.1950	.2010	304H04RW	316H04RW
4 TW	.238	.015	.208	.2360	.2400	.2060	.2100	304H04TW	-
4 X	.238	.010	.218	.2360	.2400	.2160	.2200	304H04X	-
5 RW	.219	.015	.189	.2170	.2210	.1860	.1920	304H05RW	-
5 TW	.219	.010	.199	.217	.221	.197	.2010	304H05TW	-
5 X	.219	.007	.205	.2170	.2210	.2030	.2070	304H05X	-
6 RW	.2030	.015	.173	.2020	.2040	.1700	.1760	304H06RW	316H06RW
6 TW	.2030	.010	.183	.2020	.2040	.1810	.1850	304H06TW	316H06TW

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Gauge Size	Nominal Inches			OD		ID		304 SS Item #	316 SS Item #
	OD	Wall	ID	Min	Max	Min	Max		
6 X	.2030	.007	.189	.2020	.2040	.1870	.1910	304H06X	-
6.5	.1880	.010	.168	.1870	.1890	.1650	.1710	304H06.5	-
7 RW	.1800	.015	.150	.1790	.1810	.1470	.1530	304H07RW	316H07RW
7 TW	.1800	.010	.160	.1790	.1810	.1580	.1620	304H07TW	-
7 X	.1800	.007	.166	.1790	.1810	.1640	.1680	304H07X	-
7 XX	.1800	.004	.173	.1790	.1810	.1720	.1740	304H07XX	-
7.5	.1720	.011	.150	.1710	.1730	.1470	.1530	304H07.5	-
8 RW	.1650	.015	.135	.1640	.1660	.1320	.1380	304H08RW	316H08RW
8 TW	.1650	.010	.145	.1640	.1660	.1320	.1380	304H08RW	316H08RW
8 XX	.1650	.007	.150	.1640	.1660	.1475	.1530	304H08XX	-
8.5	.1560	.010	.136	.1550	.1570	.1330	.1390	304H08.5	-
9 RW	.1480	.015	.118	.1470	.1490	.1150	.1210	304H09RW	316H09RW
9 TW	.1480	.010	.128	.1470	.1490	.1260	.1300	304H09TW	316H09TW
9 XX	.1480	.007	.135	.1470	.1490	.1330	.1370	304H09XX	-
9 UX	.148	.005	.138	.1470	.1490	.1360	.1400	304H09UX	-
9.5	.1410	.011	.119	.1400	.1420	.1170	.1210	304H09.5	-
10 RW	.1340	.014	.106	.1330	.1350	.1040	.1080	304H10RW	316H10RW
10 TW	.1340	.010	.114	.1330	.1350	.1120	.1160	304H10TW	316H10TW
10 X	.1340	.008	.118	.1330	.1350	.1165	.1200	304H10X	-
10 XX	.134	.006	.122	.1330	.1350	.1200	.1240	304H10XX	-
10.5	.1260	.010	.106	.1250	.1270	.1040	.1080	304H10.5	316H11RW
11 RW	.1200	.013	.094	.1190	.1210	.0920	.0960	304H11RW	316H11RW
11 TW	.1200	.010	.100	.1190	.1210	.0980	.1020	304H11TW	316H11TW
11 X	.1200	.007	.106	.1190	.1210	.1040	.1080	304H11X	-
11 XX	.1200	.004	.112	.1190	.1210	.1100	.1140	304H11XX	-
11.5	.1150	.010	.095	.1140	.1160	.0930	.0960	304H11.5	-
12 H	.1090	.016	.077	.1080	.1100	.0750	.0790	304H12H	-
12 RW	.1090	.012	.085	.1080	.1100	.0830	.0870	304H12RW	316H12RW
12 TW	.1090	.009	.091	.1080	.1100	.0890	.0930	304H12TW	316H12TW
12 X	.1090	.006	.097	.1080	.1100	.0950	.0990	304H12X	-
12 XX	.1090	.005	.100	.1080	.1100	.0990	.1010	304H12XX	-
12.5	.1000	.009	.082	.0990	.1010	.0800	.0840	304H12.5	-
13 RW	.0950	.012	.071	.0940	.0960	.0690	.0730	304H13RW	316H13RW
13 TW	.0950	.009	.077	.0940	.0960	.0750	.0790	304H13TW	316H13TW
13 X	.0950	.005	.085	.0940	.0960	.0840	.0860	304H13X	-
13 XX	.0950	.003	.090	.0940	.0960	.0890	.0910	304H13XX	-
13.5	.0890	.009	.071	.0880	.0900	.0690	.0730	304H13.5	-
14 XH	.0830	.022	.039	.0820	.0840	.0370	.0410	304H14XH	-
14 H	.0830	.017	.049	.0820	.0840	.0470	.0510	304H14H	-
14 RW	.0830	.010	.063	.0820	.0840	.0610	.0650	304H14RW	316H14RW
14 M	.0830	.008	.068	.0820	.0840	.0660	.0690	304H14M	-
14 TW	.0830	.006	.072	.0820	.0840	.0700	.0730	304H14TW	316H14TW
14 XX	.0830	.003	.077	.0820	.0840	.0760	.0780	304H14XX	-
14.5	.0780	.008	.063	.0770	.0790	.0620	.0640	304H14.5	-
15 RW	.0720	.009	.054	.0715	.0725	.0525	.0555	304H15RW	316H15RW

## Hypodermic Tubing

Gauge Size	Nominal Inches			OD		ID		304 SS Item #	316 SS Item #
	OD	Wall	ID	Min	Max	Min	Max		
15 TW	.0720	.006	.060	.0715	.0725	.0585	.0615	304H15TW	316H15TW
15 X	.0720	.005	.063	.0715	.0725	.0620	.0640	304H15X	-
15 S	.0720	.009	.054	.0715	.0725	.0548	.0532	-	316H15S
15 H	.0720	.011	.050	.0715	.0725	.0480	.0520	304H15H	-
15.5	.0680	.007	.054	.0675	.0685	.0525	.0555	304H15.5	-
16 RW	.0650	.009	.047	.0645	.0655	.0455	.0485	304H16RW	316H16RW
16 TW	.0650	.006	.053	.0645	.0655	.0525	.0545	304H16TW	316H16TW
16 X	.0650	.004	.057	.0645	.0655	.0550	.0580	304H16X	-
16 XX	.0650	.003	.060	.0645	.0655	.5850	.0610	304H16XX	-
16 H	.0650	.016	.033	.0645	.0655	.0310	.0350	304H16H	316H16H
16.5	.0620	.005	.052	.0615	.0625	.0505	.0535	304H16.5	316H16.5
17 RW	.0590	.009	.041	.0585	.0595	.0395	.0425	304H17RW	316H17RW
17TW	.0590	.007	.046	.0585	.0595	.0445	.0475	304H17TW	316H17TW
17 X	.0590	.004	.052	.0585	.0595	.0510	.0530	304H17X	-
17 XX	.0590	.002	.054	.0585	.0595	.0535	.0550	304H17XX	-
17 S	.0580	.008	.042	.0575	.0585	.0405	.0435	304H17S	316H17S
17 SX	.0580	.004	.050	.0575	.0585	.0490	.0510	304H17SX	-
17 H	.0590	.010	.039	.0585	.0595	.0370	.0410	304H17H	-
17.5	.0560	.005	.046	.0555	.0565	.0445	.0475	304H17.5	-
18 RW	.0500	.009	.033	.0495	.0505	.0315	.0345	304H18RW	316H18RW
18 S	.0500	.038	.0495	.0505	.0365	.0365	.0395	304H18S	316H18S
18 TW	.0500	.004	.042	.0495	.0505	.0410	.0430	304H18TW	316H18TW
18 XX	.0500	.003	.045	.0495	.0505	.0440	.0460	304H18XX	316H18XX
18 H	.0500	.010	.030	.0495	.0505	.0280	.0320	304H18H	-
18.5	.0460	.006	.034	.0455	.0465	.0325	.0355	304H18.5	-
19 RW	.0425	.008	.028	.0420	.0430	.0260	.0290	304H19RW	316H19RW
19TW	.0425	.005	.033	.0420	.0430	.0315	.0335	304H19TW	316H19TW
19 X	.0425	.004	.035	.0420	.0430	.0340	.0360	304H19X	-
19 XX	.0425	.003	.038	.0420	.0430	.0365	.0385	304H19XX	-
19 H	.0425	.010	.023	.0420	.0430	.0210	.0240	304H19H	-
19.5	.0390	.006	.027	.0385	.0395	.0255	.0285	304H19.5	-
20 RW	.0355	.006	.024	.0355	.0360	.0230	.0245	304H20RW	316H20RW
20TW	.0355	.005	.026	.0355	.0360	.0250	.0265	304H20TW	316H20TW
20 X	.0355	.004	.028	.0355	.0360	.0270	.0285	304H20X	-
20 XX	.0355	.003	.031	.0355	.0360	.0295	.0315	304H20XX	316H20XX
20.5	.0340	.004	.027	.0340	.0345	.0255	.0275	304H20.5	-
21 H	.0320	.008	.017	.0320	.0325	.0150	.0180	304H21H	-
21 RW	.0320	.006	.020	.0320	.0325	.0195	.0210	304H21RW	316H21RW
21TW	.0320	.005	.023	.0320	.0325	.0220	.0240	304H21TW	316H21TW
21 XX	.0320	.002	.029	.0320	.0325	.0280	.0295	304H21XX	-
21.5	.0300	.003	.024	.0300	.0305	.0230	.0245	304H21.5	-
22 RW	.0280	.006	.016	.0280	.0285	.0155	.0170	304H22RW	316H22RW
22TW	.0280	.004	.020	.0280	.0285	.0190	.0205	304H22TW	316H22TW
22 XX	.0280	.002	.024	.0280	.0285	.0230	.0240	304H22XX	-
22 X	.0280	.003	.022	.0280	.0285	.0210	.0225	304H22X	-
22 XH	.0280	.011	.007	.0280	.0285	.0050	.0090	304H22XH	-

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Gauge Size	Nominal Inches			OD		ID		304 SS Item #	316 SS Item #
	OD	Wall	ID	Min	Max	Min	Max		
22.5	.0260	.003	.020	.0260	.0265	.0195	.0210	304H22.5	-
23 RW	.0250	.006	.013	.0250	.0255	.0125	.0140	304H23RW	316H23RW
23TW	.0250	.004	.017	.0250	.0255	.0165	.0180	304H23TW	316H23TW
23 XX	.0250	.002	.020	.0250	.0255	.0195	.0210	304H23XX	-
23.5	.0230	.003	.017	.0230	.0235	.0165	.0180	304H23.5	-
24 RW	.0220	.005	.012	.0220	.0225	.0115	.0130	304H24RW	316H24RW
24TW	.0220	.004	.014	.0220	.0225	.0135	.0150	304H24TW	316H24TW
24 XX	.0220	.003	.016	.0220	.0225	.0155	.0170	304H24XX	-
24.5	.0210	.002	.016	.0210	.0215	.0155	.0170	304H24.5	-
25 RW	.0200	.005	.010	.0200	.0205	.0095	.0110	304H25RW	316H25RW
25TW	.0200	.004	.012	.0200	.0205	.0115	.0130	304H25TW	316H25TW
25 XX	.0200	.002	.016	.0200	.0205	.0155	.0170	304H25XX	-
25.5	.0190	.002	.014	.0190	.0195	.0135	.0150	304H25.5	-
26 RW	.0180	.004	.010	.0180	.0185	.0095	.0110	304H26RW	316H26RW
26 TW	.0183	.003	.0123	.0180	.0185	.0115	.0130	304H26TW	-
26 X	.0183	.002	.0138	.0180	.0185	.0130	.0145	304H26X	-
27 RW	.0160	.004	.008	.0160	.0165	.0075	.0090	304H27RW	316H27RW
27 TW	.0160	.003	.0103	.0160	.0165	.0095	.0110	304H27TW	-
27 X	.0160	.002	.0120	.0160	.0165	.0115	.0125	304H27X	-
28 RW	.0140	.003	.007	.0140	.0145	.0065	.0080	304H28RW	316H28RW
28 TW	.0140	.002	.009	.0140	.0145	.0085	.0100	304H28TW	-
29 RW	.0130	.003	.007	.0130	.0135	.0065	.0080	304H29RW	316H29RW
30 XH	.0120	.004	.003	.0115	.0125	.0020	.0040	-	316H30XH
30 RW	.0120	.003	.006	.0120	.0125	.0055	.0070	304H30RW	316H30RW
30 XX	.0120	.002	.008	.0120	.0125	.0075	.0090	304H30XX	-
31 RW	.0100	.002	.005	.0100	.0105	.0045	.0060	304H31RW	316H31RW
32 RW	.0090	.002	.004	.0090	.0095	.0035	.0050	304H32RW	-
33 RW	.0080	.002	.006	.0080	.0085	.0035	.0050	304H33RW	-
33 X	.0080	.001	.006	.0080	.0085	.0060	.0070	-	-
34 RW	.0060	.002	.002	.0060	.0065	.0015	.0030	304H34RW	-

All hypodermic tubing above is available to buy from our online store. If you require an alternative specification, please contact one of our sales representatives on 800-ALL-TUBE or by email at [MAMedsupport@TE.com](mailto:MAMedsupport@TE.com).

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