



Tubing Selection Guide

REFERENCE CHART—INDUSTRY-STANDARD GAGE SIZES

GAGE	WALL TYPE	OD RANGE (inch)	ID RANGE (inch)	WALL (inch)
6	RW	.2020-.2040	.1700-.1760	.0150
	TW	.2020-.2040	.1800-.1860	.0100
7	RW	.1790-.1810	.1470-.1530	.0150
	TW	.1790-.1810	.1570-.1630	.0100
8	RW	.1640-.1660	.1320-.1380	.0155
	TW	.1640-.1660	.1420-.1480	.0100
9	RW	.1470-.1490	.1150-.1210	.0155
	TW	.1470-.1490	.1250-.1310	.0100
10	RW	.1330-.1350	.1040-.1080	.0140
	TW	.1330-.1350	.1120-.1160	.0100
	ETW	.1330-.1350	.1160-.1200	.0080
	MTW	.1330-.1350	.1200-.1240	.0060
11	RW	.1190-.1210	.0920-.0960	.0130
	TW	.1190-.1210	.0980-.1020	.0100
	ETW	.1190-.1210	.1020-.1060	.0080
	MTW	.1190-.1210	.1060-.1100	.0060
12	RW	.1080-.1100	.0830-.0870	.0120
	TW	.1080-.1100	.0890-.0930	.0090
	ETW	.1080-.1100	.0930-.0970	.0070
	MTW	.1080-.1100	.0970-.1010	.0050
13	RW	.0940-.0960	.0690-.0730	.0120
	TW	.0940-.0960	.0750-.0790	.0090
	ETW	.0940-.0960	.0790-.0830	.0070
	MTW	.0940-.0960	.0830-.0870	.0050
14	RW	.0820-.0840	.0610-.0650	.0100
	TW	.0820-.0840	.0660-.0685	.0080
	ETW	.0820-.0840	.0710-.0730	.0055
	MTW	.0820-.0840	.0730-.0760	.0045
15	RW	.0715-.0725	.0525-.0555	.0090
	TW	.0715-.0725	.0595-.0615	.0060
	ETW	.0715-.0725	.0615-.0635	.0050
	MTW	.0715-.0725	.0635-.0655	.0040
16	RW	.0645-.0655	.0455-.0485	.0090
	TW	.0645-.0655	.0525-.0545	.0060
	ETW	.0645-.0655	.0545-.0565	.0050
	MTW	.0645-.0655	.0565-.0585	.0040
17	RW	.0575-.0585	.0405-.0435	.0080
	TW	.0575-.0585	.0465-.0485	.0050
	ETW	.0575-.0585	.0490-.0510	.0040
	MTW	.0575-.0585	.0510-.0530	.0030
18	RW	.0495-.0505	.0315-.0345	.0085
	TW	.0495-.0505	.0375-.0395	.0060
	ETW	.0495-.0505	.0410-.0430	.0040
	MTW	.0495-.0505	.0430-.0450	.0030
19	RW	.0415-.0425	.0255-.0285	.0075
	TW	.0415-.0425	.0315-.0335	.0050
	ETW	.0415-.0425	.0340-.0360	.0035
	MTW	.0415-.0425	.0360-.0380	.0025
20	RW	.0355-.0360	.0230-.0245	.0060
	TW	.0355-.0360	.0255-.0270	.0050
	ETW	.0355-.0360	.0270-.0285	.0040
	MTW	.0355-.0360	.0290-.0305	.0030

GAGE	WALL TYPE	OD RANGE (inch)	ID RANGE (inch)	WALL (inch)
21	RW	.0320-.0325	.0195-.0210	.0060
	TW	.0320-.0325	.0225-.0240	.0045
	ETW	.0320-.0325	.0245-.0260	.0035
	MTW	.0320-.0325	.0265-.0280	.0025
22	RW	.0280-.0285	.0155-.0170	.0060
	TW	.0280-.0285	.0190-.0205	.0040
	ETW	.0280-.0285	.0215-.0230	.0030
	MTW	.0280-.0285	.0235-.0250	.0020
23	RW	.0250-.0255	.0125-.0140	.0060
	TW	.0250-.0255	.0165-.0180	.0040
	ETW	.0250-.0255	.0185-.0200	.0030
	MTW	.0250-.0255	.0205-.0220	.0020
24	RW	.0220-.0225	.0115-.0130	.0050
	TW	.0220-.0225	.0135-.0155	.0040
	ETW	.0220-.0225	.0155-.0170	.0030
	MTW	.0220-.0225	.0175-.0190	.0020
25	RW	.0200-.0205	.0095-.0110	.0050
	TW	.0200-.0205	.0115-.0130	.0040
	ETW	.0200-.0205	.0135-.0150	.0030
	MTW	.0200-.0205	.0155-.0170	.0020
26	RW	.0180-.0185	.0095-.0110	.0040
	TW	.0180-.0185	.0115-.0130	.0030
	ETW	.0180-.0185	.0130-.0145	.0020
	MTW	.0180-.0185	.0145-.0155	.0015
27	RW	.0160-.0165	.0075-.0090	.0040
	TW	.0160-.0165	.0095-.0110	.0030
	ETW	.0160-.0165	.0115-.0130	.0020
	MTW	.0160-.0165	.0130-.0140	.0015
28	RW	.0140-.0145	.0065-.0080	.0035
	TW	.0140-.0145	.0085-.0100	.0025
	ETW	.0140-.0145	.0100-.0110	.0020
	MTW	.0140-.0145	.0110-.0120	.0015
29	RW	.0130-.0135	.0065-.0080	.0035
	TW	.0130-.0135	.0080-.0090	.0025
	ETW	.0130-.0135	.0090-.0100	.0020
	MTW	.0130-.0135	.0100-.0110	.0015
30	RW	.0120-.0125	.0055-.0070	.0030
	TW	.0120-.0125	.0070-.0080	.0025
	ETW	.0120-.0125	.0080-.0090	.0020
	MTW	.0120-.0125	.0090-.0100	.0015
31	RW	.0100-.0105	.0040-.0055	.0025
	TW	.0100-.0105	.0055-.0070	.0020
	ETW	.0100-.0105	.0070-.0080	.0015
	MTW	.0100-.0105	.0080-.0090	.0010
32	RW	.0090-.0095	.0035-.0050	.0025
	TW	.0090-.0095	.0050-.0060	.0020
	ETW	.0090-.0095	.0060-.0070	.0015
	MTW	.0090-.0095	.0070-.0080	.0010
33	RW	.0080-.0085	.0035-.0050	.0020
	TW	.0080-.0085	.0050-.0060	.0015
	ETW	.0080-.0085	.0060-.0070	.0010
34	RW	.0070-.0075	.0025-.0040	.0020
	TW	.0070-.0075	.0040-.0050	.0015
	ETW	.0070-.0075	.0050-.0060	.0010
35	RW	.0050-.0055	.0015-.0030	.0015
	TW	.0050-.0055	.0030-.0040	.0010
36	RW	.0040-.0045	.0010-.0020	.0015
	TW	.0040-.0045	.0020-.0030	.0010

*Custom sizes available upon request

RW - REGULAR WALL	ETW - EXTRA-THIN WALL	MTW - MICROTHIN WALL
TW - THIN WALL	UTW - ULTRATHIN WALL	

CHOICES

Customize your tubing purchase with choices ranging from size and alloy to cut and delivery.

ALLOY CHOICES

304, 304L, 316, 316L, 321, 17-7 PH®, 430, I-625

Others available upon request

PROCESS AND SURFACE FINISH CHOICES

Welded and drawn

Plug drawn/mandril drawn

Homogenous tubing (HT)

Surface finish requirements tailored to meet your specifications

Ra/Rq

MECHANICAL PROPERTY CHOICES (Specify range or value)

Fully annealed to cold-worked, hard condition

- Tensile
 - Yield, elongation
 - Hardness: Rockwell B or C
-

FINISHED TUBE LENGTH CHOICES

Coil

Footage - up to 20 feet

Cuts

CUT TYPE CHOICES

Shear - closed end

Electrolytic - 100% open end/burr free with slight radius

Abrasive - 100% open end

Laser - 100% open end/burr free

Score break - 70-90% open end

CLEANING CHOICES

Standard rinse

Ultrasonic

Passivation

Flush

Chemical

DELIVERY CHOICES

Standard

Expedited

QRM - Quick Response Manufacturing

