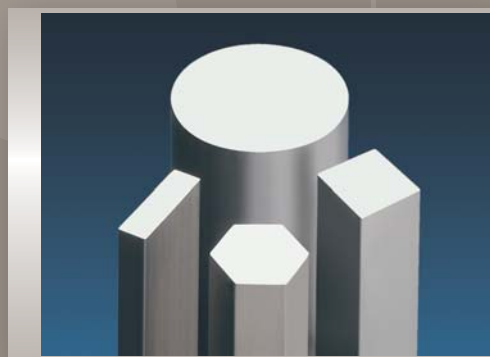


Standard

EXTRUDED SECTIONS CATALOG





WELCOME TO OUR STANDARD EXTRUDED SECTIONS CATALOG

Sapa Extrusions has long been recognized as a leading supplier of standard and custom extruded profiles for virtually every market. From cost-effective, precision products for machining... to engineered miniature extrusions and fabricated architectural shapes.

The following pages list more than 3,350 standard extruded aluminum sections from our extensive library of unrestricted dies. These individual sections are organized into thirteen broad categories separated by index tabs.

All the broad categories contain multiple profiles, each with a descriptive name (for example, "ANGLES – Equal Legs, Sharp Corners" is found under "ANGLES"). Refer to the Table of Contents, which begins on the next page, for a complete listing.

Every profile has a cross-sectional diagram identifying key dimensions for the available sizes of that profile – these dimensions are helpful to identify the exact size that you select. Many sizes also have a unique identifying number (where applicable, look under the right hand column marked "SECTION"). Note that listings for profiles with a large number of available sizes may continue for several pages – these are marked "section continues on next page".

In addition to the sizes listed, Sapa Extrusions, TDA can also engineer, extrude and fabricate highly detailed miniature aluminum profiles of superior quality. TDA has the capability to produce cross sections that weigh as little as .007 of a pound per foot and form wall thicknesses as thin as .015 inches. TDA alloys are available in 6063, 6061, 2024 and 7075. We are pleased to offer these additional unique size capabilities in various product categories with footnotes located at the top of those pages. Contact your Sales Service Representative for more details.

For prompt, personal attention to your extrusion requirements, simply fax, phone or email your Sales Service Representative.

*Sapa Industrial Extrusions
Cressona Sales Office
53 Pottsville Street
Cressona, PA 17929
Phone: 800-233-3165
FAX: 800-252-4646
www.sapagroup.com/us/industrialextrusions*

CONTENTS

ANGLES

ANGLES – Equal Legs, Sharp Corners 1

ANGLES – Unequal Legs, Sharp Corners 2, 3

ANGLES – Equal Legs, Rounded Inside Angle,
Rounded Inside Corners (Structural) 4, 5

ANGLES – Unequal Legs, Rounded Inside Angle,
Rounded Inside Corners (Structural) 6, 7

ANGLES – Equal Legs, Rounded Inside Angle,
Rounded Inside Corners (Army Navy Drawing) 8

ANGLES – Unequal Legs, Rounded Inside Angle,
Rounded Inside Corners (Army Navy Drawing) 9

ANGLES – Bulb (Army Navy Drawing) 9



BEAMS

H-BEAMS (Structural) 11

I-BEAMS (American Standard) 12

I-BEAMS (Aluminum Association)..... 13

I-BEAMS (Army Navy Drawing)..... 14

WIDE FLANGE BEAMS (Structural) 14



CHANNELS

CHANNELS – Sharp Corners 15, 16

CHANNELS – Rounded Inside Angles, Sharp Corners,
Equal and Unequal Thicknesses (Structural – Aluminum Association) 17

CHANNELS – Tapered Legs (American Standard)..... 18

CHANNELS – Rounded Inside Angles, Rounded Inside Corners
(Army Navy Drawing) 19

CHANNELS – Tapered Legs, Rounded Inside Angles,
Rounded Inside Corners (Car and Ship Building)..... 20

CHANNELS (Miscellaneous) 20



TEES

TEES – Sharp Angles, Sharp Corners 21

TEES – Rounded Angles, Rounded Inside Corners (Army Navy Drawing)..... 22

TEES – Tapered Stem and Flanges, Rounded Angles,
Sharp Corners (Structural)..... 23

TEES (Miscellaneous) 23



CONTENTS

ZEES

ZEES – Equal Legs, Rounded Inside Angles, Rounded Inside Corners (Structural)	25
ZEES – Equal Legs, Rounded Inside Angles, Rounded Inside Corners (Army Navy Drawing).....	26
ZEES – Unequal Legs, Rounded Inside Angles, Rounded Inside Corners (Army Navy Drawing).....	26
ZEES – Sharp Corners, Rounded Angles (Miscellaneous)	27
ZEES – Sharp Corners.....	27



ROD & HEX

ACC-U-ROD™	29
ECON-O-ROD® <i>plus</i>	30–32
EXTRUDED ROUND ROD.....	33–35
JUMBO ROD.....	36
ECON-O-HEX® <i>plus</i>	37
EXTRUDED HEXAGONAL BAR	38



BAR

ACC-U-BAR® – Square	39
ACC-U-BAR® – Rectangular	39–41
ACC-U-PLATE®	42–44
ECON-O-PLATE®	45–48
EXTRUDED SQUARE BAR – Sharp Corners.....	49, 50
EXTRUDED RECTANGULAR BAR – Sharp Corners	51–61
EXTRUDED RECTANGULAR BAR – Rounded Corners	62–64



ROUND PIPE & TUBE

PIPE – Scheduled Seamless.....	65–67
PIPE – Structural	68, 69
TUBING – Round, Seamless.....	70–91
TUBING – Round (Thin Wall).....	92–94
TUBING – Seamless Mechanical	95–98
TUBING – Structural.....	99–105



SQUARE & RECTANGULAR TUBE

TUBE – Extruded Square, Sharp Corners	107, 108
TUBE – Extruded Square, Round Corners	109
TUBE – Extruded Rectangular, Sharp Corners	110, 111
TUBE – Extruded Rectangular, Round Corners.....	112



CONTENTS

CANADIAN SECTIONS

CANADIAN ANGLES – Equal Legs, Rounded Inside Corners (Structural)..... 113
 CANADIAN ANGLES – Unequal Legs, Rounded Inside Corners..... 114
 CANADIAN CHANNELS – Rounded Inside Angles, Sharp Corners,
 Equal and Unequal Thicknesses (Structural)..... 115
 CANADIAN I-BEAMS (Structural) 116
 CANADIAN TEES – Rounded Inside Corners 117
 CANADIAN WIDE FLANGE BEAMS 117



DIAMONDBACK®

DIAMONDBACK® DECKPLATE – 6" Width 119
 DIAMONDBACK® DECKPLATE – 12" Width 119
 DIAMONDBACK® DECKPLATE – Lightweight 120
 DIAMONDBACK® DECKPLATE – EZ Grip® Texture 120
 DIAMONDBACK® TREADPLATE – Standard Texture 121
 DIAMONDBACK® TREADPLATE – EZ Grip® Texture 121
 DIAMONDBACK® ACCESSORIES for 6" and 12" Deckplate..... 122
 DIAMONDBACK® ACCESSORIES for Treadplate..... 122
 DIAMONDBACK® ACCESS STEP 123
 DIAMONDBACK® LADDER RUNG 123
 DIAMONDBACK® STAIR TREAD 124



ELECTRICAL

INTEGRAL WEB CHANNEL BUS 125
 UNIVERSAL ANGLE BUS CONDUCTOR 125



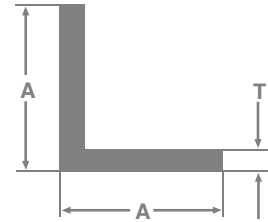
INDUSTRY PROFILES

HIGHWAY GUARD RAIL – Post A 127
 HIGHWAY GUARD RAIL – Post B 127
 HIGHWAY GUARD RAIL – Post C 127
 HIGHWAY GUARD RAIL – Post Base A..... 128
 HIGHWAY GUARD RAIL – Barrier Rail B..... 128
 HIGHWAY GUARD RAIL – Clamp Bar..... 128
 SIGN PANEL – Plain 12"..... 129
 SIGN PANEL – Grooved..... 129
 SIGN BLADE 130
 SIGN BLADE BRACKET 130
 SIGN END CAP..... 130
 WIND BEAM..... 131
 STADIUM SEAT – Square Edge 131
 STADIUM SEAT – Rounded Edge 131
 SEAT PLANK 132
 HAND RAIL..... 132



ANGLES – Equal Legs, Sharp Corners

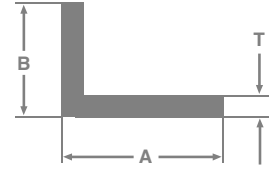
These Sapa TDA angles are available with dimensions as small as A = .250", T = .040" in 6061 and 6063 alloys. These shapes are available as special inquiry in 2024 and 7075 alloys in maximum weight of 1/2 pound per foot.



-A-	-T-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
.500	.063	.068	.7	29	1312
.500	.094	.100	.7	20	79DD
.500	.125	.129	.7	15	79H
.625	.125	.165	.9	15	79O
.750	.062	.105	1.1	28	472
.750	.094	.155	1.1	19	79HH
.750	.125	.202	1.1	15	79A
.750	.188	.290	1.1	10	79BB
.875	.125	.239	1.2	15	79R
1.000	.062	.141	1.4	28	79M
1.000	.094	.211	1.4	19	79-CC
1.000	.125	.276	1.4	14	79G
1.000	.188	.401	1.4	10	79B
1.250	.125	.349	1.8	14	79T
1.250	.188	.511	1.8	10	79P
1.250	.250	.661	1.8	8	79C
1.500	.125	.423	2.1	14	79V
1.500	.188	.622	2.1	10	79N
1.500	.250	.808	2.1	7	79D
1.750	.125	.496	2.5	14	79Y
2.000	.094	.432	2.8	18	79WW
2.000	.125	.570	2.8	14	79X
2.000	.188	.843	2.8	9	79Q
2.000	.250	1.102	2.8	7	79E
2.000	.375	1.586	2.8	5	512349
2.250	.250	1.249	3.2	7	520142
2.500	.125	.717	3.5	14	79XX
2.500	.250	1.396	3.5	7	79F
3.000	.125	.864	4.2	14	79YY
3.000	.188	1.312	4.2	9	79NN
3.000	.250	1.690	4.2	7	792
3.500	.125	1.011	4.9	14	79ZZ
4.000	.125	1.158	5.7	14	791

ANGLES – Unequal Legs, Sharp Corners

These Sapa TDA angles are available with dimensions as small as A = .250", B = .187", T = .040" in 6061 and 6063 alloys. These shapes are available as special inquiry in 2024 and 7075 alloys in maximum weight of 1/2 pound per foot.



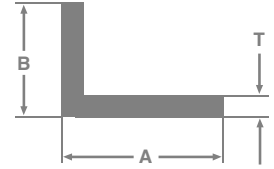
-A-	-B-	-T-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
.750	.375	.094	.114	.8	20	1944
.750	.500	.125	.165	.9	15	13754
1.000	.500	.062	.105	1.1	28	511086
1.000	.500	.094	.155	1.1	19	1943
1.000	.500	.125	.202	1.1	15	7201
1.000	.625	.125	.220	1.2	15	14155
1.000	.750	.125	.239	1.2	15	7385
1.000	.750	.188	.346	1.3	10	537781
1.250	.500	.125	.239	1.3	15	895
1.250	1.000	.125	.312	1.6	14	25130
1.500	.500	.125	.276	1.6	14	8392
1.500	.750	.125	.312	1.7	14	5137
1.500	1.000	.062	.178	1.8	28	511087
1.500	1.000	.094	.266	1.8	19	18309
1.500	1.000	.125	.349	1.8	14	7613
1.500	1.000	.188	.511	1.8	10	437431
1.750	1.000	.125	.386	2.0	14	158262
2.000	.500	.125	.349	2.1	14	13351
2.000	.750	.125	.386	2.1	14	205621
2.000	1.000	.125	.423	2.2	14	6844
2.000	1.000	.187	.619	2.2	10	511088
2.000	1.000	.188	.620	2.2	10	510307
2.000	1.000	.250	.800	2.2	7	530268
2.000	1.500	.125	.496	2.5	14	17338
2.000	1.500	.188	.732	2.5	10	514379
2.000	1.875	.125	.551	2.7	14	3273
2.250	.750	.125	.423	2.4	14	8393
2.500	1.000	.125	.496	2.7	14	205631
2.500	1.500	.125	.570	2.9	14	205641
2.500	2.000	.125	.643	3.2	14	205651
2.500	2.000	.188	.953	3.2	9	508427
3.000	.500	.125	.491	3.1	14	535755
3.000	1.000	.125	.570	3.2	14	7035
3.000	2.000	.125	.717	3.6	14	205661
3.000	2.000	.188	1.061	3.6	9	514729

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Sapa Industrial Extrusions

ANGLES – Unequal Legs, Sharp Corners

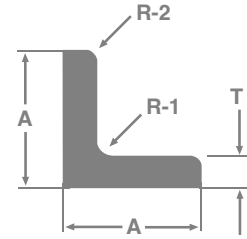
These Sapa TDA angles are available with dimensions as small as
 A = .250", B = .187", T = .040" in 6061 and 6063 alloys. These shapes are available
 as special inquiry in 2024 and 7075 alloys in maximum weight of 1/2 pound per foot.



-A-	-B-	-T-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
3.000	2.000	.250	1.396	3.6	7	21735
3.000	2.000	.375	2.040	3.6	5	3579
3.500	1.250	.125	.680	3.7	14	6746
4.000	2.000	.125	.864	4.5	14	205701
4.000	2.000	.250	1.690	4.5	7	86031
4.000	3.000	.125	1.011	5.0	14	205711
4.000	3.000	.188	1.506	5.0	9	545144
5.000	3.000	.125	1.158	5.8	14	205721
5.000	3.000	.250	2.278	5.8	7	88585
5.000	4.000	.125	1.305	6.4	14	205731
5.250	2.250	.125	1.084	5.7	14	2880

**ANGLES – Equal Legs,
Rounded Inside Angle,
Rounded Inside Corners (Structural)**

These Sapa TDA angles are available with dimensions as small as A = .250", T = .040" in 6061 and 6063 alloys. These shapes are available as special inquiry in 2024 and 7075 alloys in maximum weight of 1/2 pound per foot.

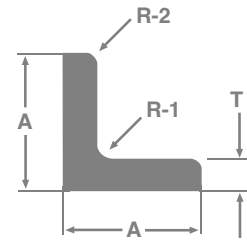


-A-	-T-	R1	R2	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
.750	.062	.125	.094	.106	1.1	27	78K
.750	.125	.125	.094	.202	1.1	14	77A
1.000	.062	.062	.031	.142	1.4	28	78J
1.000	.125	.125	.094	.275	1.4	14	77B
1.000	.188	.125	.094	.400	1.4	10	78M
1.000	.250	.125	.094	.514	1.4	7	78Z
1.125	.125	.188	.125	.313	1.6	14	78U
1.250	.094	.094	.047	.267	1.8	18	78Y
1.250	.125	.188	.125	.350	1.8	14	77F
1.250	.188	.062	.188	.494	1.8	10	78R
1.250	.188	.188	.125	.512	1.8	9	78A
1.250	.250	.188	.125	.662	1.8	7	77C
1.500	.125	.188	.125	.424	2.1	14	77R
1.500	.188	.188	.125	.623	2.1	9	77L
1.500	.250	.188	.125	.809	2.1	7	77D
1.500	.312	.188	.125	.987	2.1	6	78N
1.750	.094	.094	.047	.378	2.5	18	78L
1.750	.125	.188	.125	.497	2.5	14	77E
1.750	.188	.188	.125	.733	2.5	9	77U
1.750	.250	.188	.125	.956	2.5	7	77W
2.000	.125	.250	.125	.578	2.8	13	77V
2.000	.188	.250	.125	.851	2.8	9	77S
2.000	.250	.250	.125	1.110	2.8	7	77P
2.000	.312	.250	.125	1.361	2.8	6	77M
2.000	.375	.250	.125	1.606	2.8	5	77X
2.500	.125	.250	.125	.725	3.5	13	78BB
2.500	.188	.250	.125	1.072	3.5	9	77T
2.500	.250	.250	.125	1.404	3.5	7	78H
2.500	.312	.250	.125	1.728	3.5	6	78FF
2.500	.375	.250	.125	2.047	3.5	5	78B

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**ANGLES – Equal Legs,
Rounded Inside Angle,
Rounded Inside Corners (Structural)**

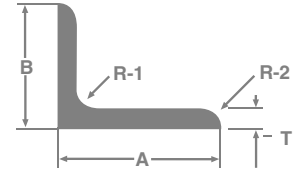
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-A-	-T-	R1	R2	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
2.500	.500	.250	.125	2.654	3.5	4	78BE
3.000	.188	.312	.250	1.283	4.2	9	78AA
3.000	.250	.312	.250	1.684	4.2	7	77H
3.000	.312	.312	.250	2.080	4.2	6	78E
3.000	.375	.312	.250	2.474	4.2	5	77K
3.000	.500	.312	.250	3.227	4.2	4	78T
3.500	.250	.375	.250	1.988	4.9	7	78G
3.500	.312	.375	.250	2.458	4.9	6	78CC
3.500	.375	.375	.250	2.925	4.9	5	78GG
3.500	.500	.375	.250	3.826	4.9	4	77Z
4.000	.250	.375	.250	2.282	5.6	7	78MM
4.000	.312	.375	.250	2.825	5.6	6	77Y
4.000	.375	.375	.250	3.366	5.6	5	77O
4.000	.500	.375	.250	4.414	5.6	4	78LL
4.000	.625	.375	.250	5.424	5.6	3	78BC
4.000	.750	.375	.250	6.398	5.6	2	78PP
5.000	.375	.500	.375	4.237	7.1	5	77J
5.000	.500	.500	.375	5.578	7.1	3	78RR
5.000	.625	.500	.375	6.883	7.1	3	78QQ
6.000	.375	.500	.375	5.119	8.5	5	78Q
6.000	.438	.500	.375	5.947	8.5	4	78V
6.000	.500	.500	.375	6.754	8.5	3	78S
6.000	.625	.500	.375	8.353	8.5	3	78HH
6.000	.750	.500	.375	9.915	8.5	2	78XX
8.000	.500	.625	.375	9.142	11.3	3	78SS
8.000	.625	.625	.375	11.328	11.3	3	78WW
8.000	.750	.625	.375	13.478	11.3	2	78TT
8.000	1.000	.625	.375	17.668	11.3	2	78UU

Sapa Industrial Extrusions

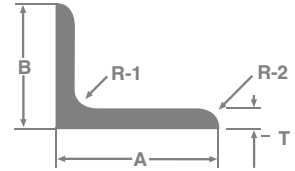
ANGLES – Unequal Legs,
Rounded Inside Angle,
Rounded Inside Corners (Structural)



-A-	-B-	-T-	R1	R2	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
1.000	.750	.125	.062	.062	.238	1.3	14	734-JJ
1.500	1.000	.250	.188	.125	.662	1.8	7	734-WW
1.500	1.250	.125	.188	.125	.387	2.0	14	734-CC
1.500	1.250	.188	.188	.125	.567	1.9	9	734-LL
1.500	1.250	.250	.188	.125	.736	2.0	7	734-SS
1.750	1.250	.125	.188	.125	.424	2.2	14	734-V
1.750	1.250	.188	.188	.125	.623	2.2	9	734-O
1.750	1.250	.250	.188	.125	.809	2.1	7	734-XX
2.000	1.000	.188	.188	.188	.613	2.2	9	734-62
2.000	1.500	.125	.188	.125	.497	2.5	14	734-TT
2.000	1.500	.188	.188	.125	.733	2.5	9	734-M
2.000	1.500	.250	.188	.125	.956	2.5	7	734-W
2.000	1.500	.375	.188	.125	1.379	2.5	5	734-VV
2.500	1.500	.188	.250	.125	.851	2.9	9	734-T
2.500	1.500	.250	.250	.125	1.110	2.9	7	734-RR
2.500	1.500	.312	.188	.125	1.354	2.9	6	734-8
2.500	2.000	.125	.250	.125	.652	3.2	13	514008
2.500	2.000	.188	.250	.125	.961	3.2	9	734-U
2.500	2.000	.250	.250	.125	1.257	3.2	7	734-3
2.500	2.000	.312	.250	.125	1.544	3.2	6	734-B
3.000	1.500	.250	.312	.125	1.266	3.4	7	734-L
3.000	2.000	.188	.312	.188	1.071	3.6	9	734-1
3.000	2.000	.250	.312	.188	1.403	3.6	7	734-G
3.000	2.000	.312	.312	.188	1.727	3.6	6	734-10
3.000	2.000	.375	.312	.188	2.046	3.6	5	734-PP
3.000	2.000	.500	.312	.188	2.653	3.6	4	734-69
3.000	2.500	.250	.312	.250	1.537	3.9	7	734-J
3.000	2.500	.312	.312	.250	1.897	3.9	6	734-ZZ
3.000	2.500	.375	.312	.250	2.253	3.9	5	734-C
3.500	2.500	.250	.312	.250	1.684	4.3	7	734-D

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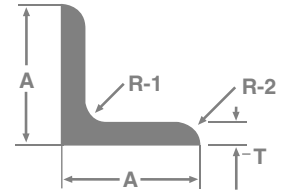
ANGLES – Unequal Legs,
Rounded Inside Angle,
Rounded Inside Corners (Structural)



-A-	-B-	-T-	R1	R2	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
3.500	2.500	.312	.312	.258	2.080	4.3	6	734-UU
3.500	2.500	.375	.312	.250	2.474	4.3	5	734-24
3.500	2.500	.500	.312	.250	3.227	4.3	4	734-23
3.500	3.000	.250	.375	.250	1.842	4.6	7	734-BB
3.500	3.000	.312	.375	.250	2.274	4.6	6	734-22
3.500	3.000	.375	.375	.250	2.705	4.6	5	734-27
4.000	3.000	.250	.375	.250	1.989	5.0	7	734-31
4.000	3.000	.375	.375	.250	2.926	5.0	5	734-Y
4.000	3.000	.500	.375	.250	3.826	5.0	4	734-42
4.000	3.500	.375	.375	.312	3.128	5.3	5	734-AA
4.000	3.500	.500	.375	.312	4.102	5.3	3	734-30
5.000	3.000	.250	.375	.312	2.269	5.8	7	521052
5.000	3.000	.312	.375	.312	2.807	5.8	5	734-70
5.000	3.000	.375	.375	.312	3.349	5.8	5	734-Q
5.000	3.000	.500	.375	.312	4.396	5.8	4	734-38
5.000	3.500	.312	.438	.312	3.004	6.1	6	734-45
5.000	3.500	.375	.438	.312	3.582	6.1	5	734-47
5.000	3.500	.500	.438	.312	4.703	6.1	4	734-14
6.000	3.000	.375	.375	.375	3.768	6.7	5	734-64
6.000	3.500	.312	.500	.312	3.385	6.9	5	734-35
6.000	3.500	.375	.500	.312	4.038	6.9	5	734-R
6.000	3.500	.500	.500	.312	5.306	6.9	3	734-9
6.000	4.000	.375	.500	.375	4.237	7.2	5	734-43
6.000	4.000	.500	.500	.375	5.578	7.2	3	734-44
6.000	4.000	.625	.500	.375	6.883	7.2	3	734-52
8.000	6.000	.625	.500	.312	9.845	10.0	3	734-34
8.000	6.000	.688	.500	.375	10.763	10.0	3	734-37
8.000	6.000	.750	.500	.375	11.679	10.0	2	734-32

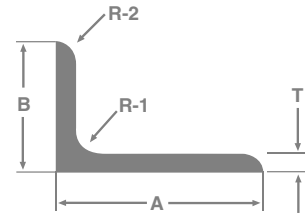
Sapa Industrial Extrusions

ANGLES – Equal Legs,
Rounded Inside Angle,
Rounded Inside Corners
(Army Navy Drawing)



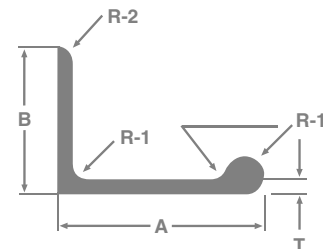
-A-	-T-	R1	R2	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION #10133
.750	.063	.094	.063	.107	1.1	27	0601
.750	.094	.094	.094	.153	1.1	19	0602
.750	.125	.094	.125	.197	1.1	14	0603
.875	.125	.094	.125	.234	1.2	14	0703
1.000	.063	.188	.063	.150	1.4	26	1001
1.000	.094	.188	.094	.215	1.4	17	1002
1.000	.125	.188	.125	.277	1.4	14	1003
1.250	.063	.188	.063	.188	1.8	26	1201
1.250	.094	.188	.094	.270	1.8	18	1202
1.250	.125	.188	.125	.351	1.8	14	1203
1.250	.188	.188	.188	.502	1.8	9	1204
1.500	.063	.188	.063	.225	2.1	26	1401
1.500	.094	.188	.094	.326	2.1	18	1402
1.500	.125	.188	.125	.424	2.1	14	1403
1.500	.188	.188	.188	.613	2.1	9	1404
1.750	.094	.250	.094	.388	2.5	18	1601
2.000	.094	.250	.094	.443	2.8	18	2001
2.000	.125	.250	.125	.578	2.8	13	2002
2.000	.250	.250	.250	1.087	2.8	7	2004
2.500	.156	.188	.156	.656	2.8	11	2401
2.500	.250	.250	.250	1.381	3.5	7	2403
3.000	.250	.250	.250	1.675	4.3	7	3002

**ANGLES – Unequal Legs,
Rounded Inside Angle,
Rounded Inside Corners**
(Army Navy Drawing)



-A-	-B-	-T-	R1	R2	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION #10134
.750	.625	.062	.062	.062	.095	.9	28	0602
.875	.750	.063	.125	.063	.118	1.1	27	0702
.875	.750	.125	.125	.125	.217	1.2	14	0703
1.000	.625	.125	.125	.125	.217	1.2	14	1002
1.000	.750	.125	.125	.125	.235	1.2	14	1004
1.000	.875	.094	.125	.094	.196	1.3	18	1006
1.250	1.000	.062	.125	.063	.164	1.6	27	1204
1.250	1.000	.094	.125	.094	.238	1.6	18	1205
1.250	1.000	.125	.125	.125	.309	1.6	14	1206
1.500	.750	.094	.156	.094	.240	1.7	18	1401
1.500	.750	.125	.156	.125	.311	1.7	14	1402
1.500	1.000	.094	.156	.094	.268	1.8	18	1403
1.500	1.000	.125	.156	.125	.348	1.8	14	1404
2.000	1.000	.125	.156	.125	.422	2.2	14	2001
2.500	1.250	.188	.188	.188	.779	2.8	9	2402
3.000	1.500	.188	.250	.188	.951	3.4	9	3001

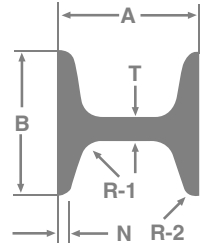
ANGLES – Bulb (Army Navy Drawing)



-A-	-B-	-T-	R1	R2	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION #10135
1.000	.750	.063	.095	.063	.149	1.2	24	1002

Sapa Industrial Extrusions

H-BEAMS (Structural)

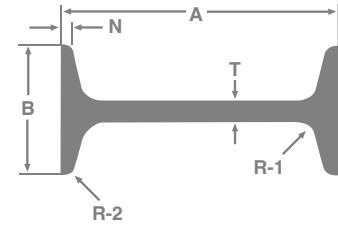


-A-	-B-	-T-	-N-	R1	R2	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
4.000	4.000	.313	.290	.313	.145	4.757	5.7	5	3002A
5.000	5.000	.313	.330	.313	.165	6.492	7.1	4	3002B
6.000	5.938	.250	.360	.313	.180	7.854	8.4	4	3002C
6.000	6.000	.313	.360	.313	.180	8.298	8.4	4	3002H
6.000	6.125	.438	.360	.313	.180	9.180	8.6	4	3002F
8.000	7.938	.313	.358	.313	.179	11.235	11.3	4	3002D
8.000	8.000	.375	.358	.313	.179	11.818	11.3	4	3002G
8.000	8.125	.500	.358	.313	.179	12.994	11.4	4	3002E

Sapa Industrial Extrusions

I-BEAMS (American Standard)

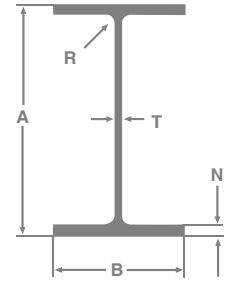
These Sapa TDA I-Beams are available with dimensions as small as A = .250", T = .040" in 6061 and 6063 alloys. These shapes are available as special inquiry in 2024 and 7075 alloys in maximum weight of 1/2 pound per foot.



-A-	-B-	-T-	-N-	R1	R2	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
3.000	2.330	.170	.170	.270	.100	1.963	3.8	7	851A
3.000	2.509	.349	.170	.270	.100	2.595	4.0	5	851D
4.000	2.660	.190	.190	.290	.110	2.644	4.8	6	851B
4.000	2.796	.326	.190	.290	.110	3.284	4.9	5	851F
5.000	3.000	.210	.210	.310	.130	3.430	5.8	6	851C
5.000	3.284	.494	.210	.310	.130	5.099	5.9	4	851O
6.000	3.330	.230	.230	.330	.140	4.303	6.9	5	851K
6.000	3.443	.343	.230	.330	.140	5.054	6.9	5	851L
6.000	3.565	.465	.230	.330	.140	5.960	6.9	4	851S
7.000	3.755	.345	.250	.350	.150	6.052	7.9	4	851H
8.000	4.000	.270	.270	.370	.160	6.348	8.9	5	851G
8.000	4.262	.532	.270	.370	.160	8.813	9.1	3	851M
9.000	4.330	.290	.290	.390	.170	7.508	9.9	4	851N
10.000	4.660	.310	.310	.410	.190	8.761	11.0	4	851P
10.000	4.797	.447	.310	.410	.190	10.372	11.1	3	851V
10.000	4.944	.594	.310	.410	.190	12.101	11.2	3	851R
12.000	5.000	.350	.350	.450	.210	10.993	13.0	4	851T
12.000	5.078	.428	.350	.450	.210	12.097	13.0	3	851X
12.000	5.250	.460	.460	.560	.280	14.082	13.1	3	851U
12.000	5.355	.565	.460	.560	.280	15.565	13.1	3	851Q
12.000	5.477	.687	.460	.560	.280	17.285	13.2	2	851Y

Sapa Industrial Extrusions

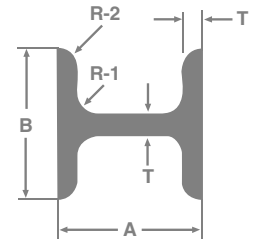
I-BEAMS (Aluminum Association)



-A-	-B-	-T-	-N-	-R-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
3.000	2.500	.130	.200	.250	1.636	3.9	9	292201
3.000	2.500	.150	.260	.250	2.029	3.9	8	292211
4.000	3.000	.150	.230	.250	2.310	5.0	8	292221
4.000	3.000	.170	.290	.250	2.793	5.0	7	292231
5.000	3.500	.190	.320	.300	3.699	6.1	6	292241
6.000	4.000	.190	.290	.300	4.030	7.2	7	292251
6.000	4.000	.210	.350	.300	4.692	7.2	6	292261
7.000	4.500	.230	.380	.300	5.800	8.3	5	292271
8.000	5.000	.230	.350	.300	6.181	9.4	6	292281
8.000	5.000	.250	.410	.300	7.023	9.4	5	292291
9.000	5.500	.270	.440	.300	8.361	10.5	5	292301
10.000	6.000	.250	.410	.400	8.646	11.7	5	292311
10.000	6.000	.290	.500	.400	10.287	11.7	4	292321
12.000	7.000	.290	.470	.400	11.671	13.9	4	234262
12.000	7.000	.310	.620	.400	14.292	13.9	4	234272

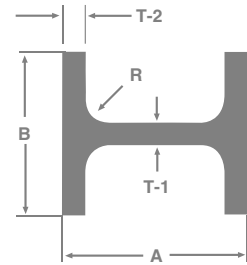
Sapa Industrial Extrusions

I-BEAMS (Army Navy Drawing)



-A-	-B-	-T-	R1	R2	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION #10140
1.000	1.375	.094	.125	.094	.401	1.7	17	1001
1.500	2.125	.094	.125	.094	.594	2.5	18	1204
1.500	2.000	.125	.125	.125	.772	2.5	13	1403
3.000	2.000	.125	.156	.125	1.001	3.6	13	3002
4.000	2.000	.125	.125	.125	1.139	4.5	13	4003
4.000	3.000	.156	.188	.156	1.789	5.0	11	4004
4.000	3.500	.188	.188	.188	2.349	5.3	9	4005
4.000	3.500	.250	.188	.250	3.060	5.3	7	4006

WIDE FLANGE BEAMS (Structural)

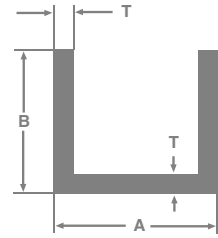


-A-	-B-	T1	T2	-R-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
6.000	4.000	.230	.279	.250	4.160	7.2	7	42100D
6.000	6.000	.240	.269	.250	5.401	8.5	6	42100H
8.000	5.250	.230	.308	.320	5.904	9.6	6	42100E
8.000	6.500	.245	.398	.400	8.322	10.3	5	42100F
8.000	8.000	.288	.433	.400	10.725	11.3	4	42100G
9.750	7.964	.292	.433	.500	11.414	12.6	4	42100K
9.900	5.750	.240	.340	.312	7.297	11.4	6	42100J
11.940	8.000	.294	.516	.600	13.844	14.4	4	42100L
12.060	10.000	.345	.576	.600	18.336	15.7	3	42100M

Sapa Industrial Extrusions

CHANNELS – Sharp Corners

These Sapa TDA channels are available with dimensions as small as
 A = .250", B = .250", T = .040" in 6061 and 6063 alloys. These shapes are available
 as special inquiry in 2024 and 7075 alloys in maximum weight of 1/2 pound per foot.



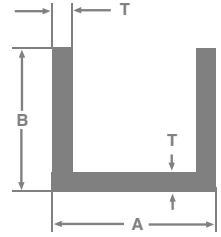
-A-	-B-	-T-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
.500	.375	.125	.147	.6	15	2335
.500	.500	.094	.145	.7	19	2749
.500	.750	.125	.257	.9	14	8997
.562	.500	.125	.193	.7	15	17141
.625	.625	.125	.239	.9	15	4533
.750	.375	.125	.184	.8	15	2715
.750	.500	.062	.118	.9	28	18042
.750	.500	.125	.220	.9	15	5109
.750	.750	.125	.294	1.1	14	3547
.750	1.500	.125	.514	1.7	14	524527
1.000	.500	.125	.257	1.1	14	1940
1.000	.750	.125	.331	1.2	14	3978
1.000	1.000	.062	.207	1.4	28	511438
1.000	1.000	.125	.404	1.4	14	7484
1.000	1.000	.188	.580	1.4	10	5944
1.250	.500	.125	.294	1.3	14	4286
1.250	.625	.125	.331	1.4	14	511084
1.250	.750	.125	.367	1.4	14	87071
1.250	1.250	.125	.514	1.8	14	4542
1.500	.500	.125	.331	1.6	14	4300
1.500	.750	.125	.404	1.7	14	4301
1.500	1.000	.125	.478	1.8	14	2129
1.500	1.500	.125	.625	2.1	14	3466
1.500	1.500	.188	.911	2.1	9	521046
1.750	.500	.125	.367	1.8	14	8449
1.750	.750	.125	.441	1.9	14	2105
1.750	1.000	.125	.514	2.0	14	5714
1.750	1.750	.125	.735	2.5	14	7319
2.000	.500	.125	.404	2.1	14	2388
2.000	.750	.125	.478	2.1	14	148225
2.000	1.000	.125	.551	2.2	14	5527
2.000	1.000	.188	.801	2.2	9	11514
2.000	1.000	.250	1.029	2.2	7	455811
2.000	2.000	.125	.845	2.8	14	16943
2.000	2.000	.188	1.243	2.8	9	12745

(section continues on next page)

Sapa Industrial Extrusions

CHANNELS – Sharp Corners

These Sapa TDA channels are available with dimensions as small as
 A = .250", B = .250", T = .040" in 6061 and 6063 alloys. These shapes are available
 as special inquiry in 2024 and 7075 alloys in maximum weight of 1/2 pound per foot.



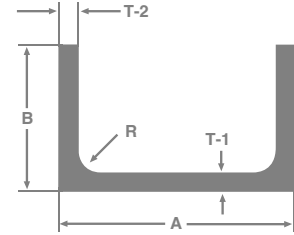
-A-	-B-	-T-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
2.000	2.000	.250	1.617	2.8	7	521039
2.250	.875	.125	.551	2.4	14	2748
2.250	1.000	.125	.588	2.5	14	274051
2.250	2.000	.500	3.087	3.0	4	512378
2.500	.750	.125	.551	2.6	14	1929
2.500	1.375	.125	.735	2.8	14	5174
2.500	1.500	.125	.772	2.9	14	40517
3.000	.500	.125	.551	3.0	14	6594
3.000	1.000	.125	.698	3.2	14	3776
3.000	1.375	.188	1.188	3.3	9	504434
3.000	1.500	.188	1.243	3.4	9	12830
3.000	2.000	.125	.992	3.6	14	3271
3.000	3.000	.125	1.273	4.2	14	523116
3.500	1.500	.125	.919	3.8	14	4215
4.000	1.500	.125	.992	4.3	14	3301
4.000	2.000	.125	1.139	4.5	14	510881
5.000	1.500	.250	2.205	5.2	7	15724
5.000	2.000	.188	1.907	5.4	9	17146
5.000	3.000	.250	3.087	5.8	7	15723
6.000	2.000	.188	2.127	6.3	9	510296

Sapa Industrial Extrusions

CHANNELS – Rounded Inside Angles, Sharp Corners, Equal and Unequal Thicknesses

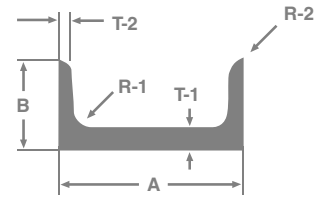
(Structural – Aluminum Association)

These Sapa TDA channels are available with dimensions as small as
A = .250", B = .250", T = .039" in 6061 and 6063 alloys. These shapes are available
as special inquiry in 2024 and 7075 alloys in maximum weight of 1/2 pound per foot.



-A-	-B-	T1	T2	-R-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
2.000	1.000	.130	.130	.100	.577	2.2	13	292001
2.000	1.250	.170	.260	.150	1.071	2.4	8	292011
3.000	1.500	.130	.200	.250	1.134	3.4	10	292021
3.000	1.750	.170	.260	.250	1.597	3.5	8	292031
4.000	2.000	.150	.230	.250	1.738	4.5	9	292041
4.000	2.250	.190	.290	.250	2.330	4.6	7	292051
5.000	2.250	.150	.260	.300	2.211	5.5	8	292061
5.000	2.750	.190	.320	.300	3.089	5.7	7	292071
6.000	2.500	.170	.290	.300	2.834	6.5	8	292081
6.000	3.250	.210	.350	.300	4.030	6.8	6	292091
7.000	2.750	.170	.290	.300	3.204	7.5	8	292101
7.000	3.500	.210	.380	.300	4.714	7.3	6	292111
8.000	3.000	.190	.350	.300	4.146	8.6	6	292121
8.000	3.750	.250	.410	.350	5.789	8.9	5	292131
9.000	3.250	.230	.350	.350	4.982	9.6	6	292141
9.000	4.000	.290	.440	.350	6.970	9.9	5	292151
10.000	3.500	.250	.410	.350	6.136	10.6	5	292161
10.000	4.250	.310	.500	.400	8.360	10.9	4	292171
12.000	4.000	.290	.470	.400	8.274	12.6	5	292181
12.000	5.000	.350	.620	.450	11.822	13.0	4	292191

CHANNELS – Tapered Legs (American Standard)

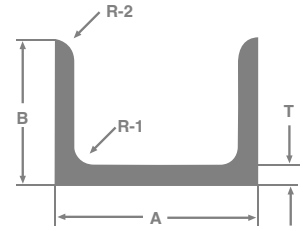


-A-	-B-	T1	T2	R1	R2	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
3.000	1.410	.170	.170	.270	.100	1.418	3.3	8	852A
3.000	1.498	.258	.170	.270	.100	1.729	3.3	6	852S
3.000	1.596	.356	.170	.270	.100	2.070	3.4	5	852D
4.000	1.580	.180	.180	.280	.110	1.846	4.3	7	852B
4.000	1.647	.247	.180	.280	.110	2.163	4.3	6	852G
4.000	1.720	.320	.180	.280	.110	2.505	4.4	5	852E
5.000	1.750	.190	.190	.290	.110	2.316	5.3	6	852C
5.000	1.885	.325	.190	.290	.110	3.110	5.3	5	852AM
5.000	2.032	.472	.190	.290	.110	3.974	5.4	4	852AG
6.000	1.920	.200	.200	.300	.120	2.826	6.3	7	852F
6.000	1.945	.225	.200	.300	.120	3.002	6.3	6	852AA
6.000	2.034	.314	.200	.300	.120	3.630	6.3	5	852V
6.000	2.157	.438	.200	.300	.120	4.505	6.4	4	852J
7.000	2.110	.230	.210	.310	.130	3.542	7.3	6	852L
7.000	2.194	.314	.210	.310	.130	4.233	7.4	5	852W
7.000	2.299	.419	.210	.310	.130	5.097	7.4	4	852AL
7.000	2.404	.524	.210	.310	.130	5.962	7.4	4	852Q
8.000	2.290	.250	.220	.320	.130	4.252	8.3	6	852K
8.000	2.343	.303	.220	.320	.130	4.751	8.4	5	852Y
8.000	2.435	.395	.220	.320	.130	5.616	8.4	4	852X
8.000	2.527	.487	.220	.320	.130	6.482	8.4	4	852AN
9.000	2.430	.230	.230	.330	.140	4.603	9.3	6	852R
9.000	2.485	.285	.230	.330	.140	5.185	9.3	5	852AJ
9.000	2.648	.448	.230	.330	.140	6.911	9.4	4	852T
9.000	2.812	.612	.230	.330	.140	8.646	9.4	3	852U
10.000	3.033	.673	.240	.340	.140	10.371	10.4	3	852AK
10.000	2.600	.240	.240	.340	.140	5.279	10.3	5	852P
10.000	2.739	.379	.240	.340	.140	6.913	10.3	4	852AF
10.000	2.886	.526	.240	.340	.140	8.642	10.4	3	852AE
12.000	2.960	.300	.280	.380	.170	7.411	12.4	5	852AO
12.000	3.047	.387	.280	.380	.170	8.639	12.4	4	852N
12.000	3.170	.510	.280	.380	.170	10.375	12.4	3	852AH
12.000	3.292	.632	.280	.380	.170	12.097	12.5	3	852O
15.000	3.400	.400	.400	.500	.240	11.708	15.4	4	852AC
15.000	3.716	.716	.400	.500	.240	17.282	15.5	2	852AD

Sapa Industrial Extrusions

CHANNELS – Rounded Inside Angles, Rounded Inside Corners (Army Navy Drawing)

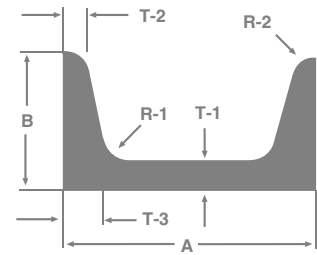
These Sapa TDA channels are available with dimensions as small as
A = .250", B = .250", T = .040" in 6061 and 6063 alloys. These shapes are available
as special inquiry in 2024 and 7075 alloys in maximum weight of 1/2 pound per foot.



-A-	-B-	-T-	R1	R2	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION #10137
.750	.375	.050	.094	.050	.086	.8	32	0601
.750	.625	.050	.094	.050	.115	.9	33	0603
.750	.625	.063	.125	.063	.145	.9	26	0604
.750	.875	.063	.125	.063	.182	1.2	26	0605
.750	.875	.094	.125	.094	.259	1.2	18	0606
.875	.500	.063	.125	.063	.135	1.0	25	0703
1.000	.875	.094	.125	.094	.287	1.3	18	1010
1.000	1.250	.125	.125	.125	.478	1.6	14	1012
1.375	.875	.125	.125	.125	.423	1.6	14	1305
1.500	.875	.156	.125	.156	.535	1.7	11	1404
1.750	1.500	.125	.125	.125	.662	2.3	14	1609
2.000	1.000	.125	.125	.125	.551	2.2	14	2005
2.000	1.250	.125	.125	.125	.624	2.4	14	2007
2.000	1.500	.125	.125	.125	.698	2.5	14	2009
2.000	1.500	.156	.125	.156	.856	2.5	11	2010
2.000	1.750	.156	.125	.156	.947	2.6	11	2011
2.000	2.500	.188	.188	.188	1.465	3.4	9	2013
2.500	1.000	.125	.125	.125	.625	2.7	14	2402
2.500	1.750	.188	.188	.188	1.243	3.0	9	2408
3.000	1.375	.188	.188	.188	1.188	3.3	9	3002
3.000	1.750	.156	.125	.156	1.131	3.5	11	3003
3.000	1.750	.188	.188	.188	1.354	3.5	9	3004

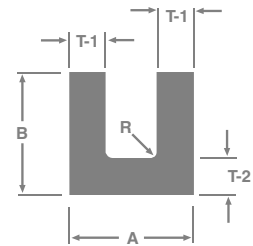
Sapa Industrial Extrusions

CHANNELS – Tapered Legs,
Rounded Inside Angles,
Rounded Inside Corners
(Car and Ship Building)



-A-	-B-	T1	T2	T3	R1	R2	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
3.000	2.000	.375	.375	.375	.188	.375	2.703	3.6	5	2229
4.000	2.500	.318	.312	.375	.375	.125	3.314	4.7	5	4885
6.000	3.000	.500	.375	.375	.375	.250	5.772	6.7	4	1666
6.000	3.500	.375	.412	.475	.480	.420	5.932	7.0	4	2658
8.000	3.500	.425	.471	.579	.525	.375	7.858	8.7	4	10005

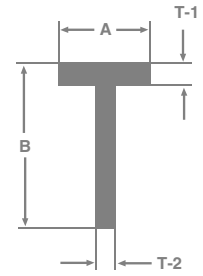
CHANNELS (Miscellaneous)



-A-	-B-	T1	T2	-R-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
.375	.375	.109	.109	.016	.117	.5	17	3619
.750	1.750	.125	.125	.031	.588	1.9	14	25751
2.000	2.000	.250	.250	.188	1.634	2.8	7	892
2.062	1.312	.250	.438	.025	1.61	2.5	5	AA17771
2.375	1.250	.188	.188	.188	1.012	2.7	9	2296
4.750	3.375	.250	.250	.010	3.30	5.8	7	AX05901
5.000	1.750	.260	.150	.187	1.90	5.3	9	501479

Sapa Industrial Extrusions

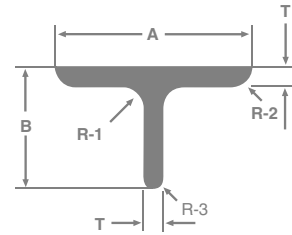
TEES – Sharp Angles, Sharp Corners



-A-	-B-	T1	T2	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
.500	.500	.125	.125	.129	.6	15	19949
.750	.750	.125	.125	.202	.9	15	18307
.750	1.250	.125	.125	.276	1.4	14	4716
1.000	.500	.125	.375	.312	1.0	9	1257
1.000	1.000	.125	.125	.276	1.2	14	25055
1.250	.750	.125	.125	.272	1.3	15	515854
1.250	.875	.125	.125	.294	1.3	14	5951
2.000	.750	.125	.125	.386	2.0	14	18906
2.000	2.000	.125	.125	.570	2.5	14	511437
2.000	2.000	.188	.188	.843	2.5	9	4366
2.000	2.000	.250	.250	1.102	2.5	7	8968
2.000	4.000	.250	.250	1.690	4.3	7	530340
2.000	5.000	.250	.250	1.984	5.2	7	519162
2.000	5.000	.375	.375	2.921	5.2	5	519163
2.000	6.000	.250	.250	2.278	6.2	7	530339
2.000	6.000	.375	.375	3.362	6.2	5	519164
3.000	1.500	.188	.188	.953	3.0	9	1295
3.000	3.000	.188	.188	1.285	3.8	9	511811

Sapa Industrial Extrusions

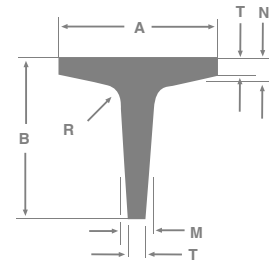
TEES – Rounded Angles,
Rounded Inside Corners
(Army Navy Drawing)



-A-	-B-	-T-	R1	R2	R3	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION #10136
1.500	.750	.094	.125	.094	.047	.241	1.5	18	1402
1.500	1.000	.094	.125	.094	.047	.268	1.6	18	1404
1.750	1.125	.156	.125	.156	.078	.491	1.8	11	1604
1.875	1.500	.125	.125	.125	.062	.476	2.1	14	1707
2.000	1.000	.125	.125	.125	.062	.421	2.0	14	2003
2.000	1.250	.125	.125	.125	.062	.457	2.1	14	2006
2.000	1.750	.094	.125	.094	.047	.407	2.3	18	2007
2.500	2.000	.125	.125	.125	.062	.641	2.8	14	2407
2.500	2.000	.188	.188	.188	.094	.949	2.8	9	2409
3.000	1.500	.125	.125	.125	.062	.641	3.0	14	3001
3.000	2.500	.125	.125	.125	.062	.788	3.4	14	3005
3.000	2.500	.188	.188	.188	.094	1.170	3.4	9	3006

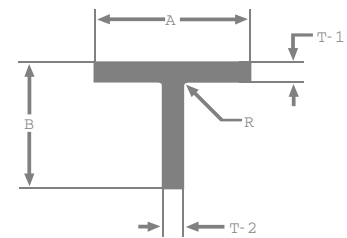
Sapa Industrial Extrusions

TEES – Tapered Stem and Flanges,
Rounded Angles,
Sharp Corners (Structural)



-A-	-B-	-T-	-N-	-M-	-R-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
1.500	1.500	.188	.219	.219	.188	.685	1.9	8	853K
1.500	1.500	.250	.281	.281	.188	.869	1.9	7	853G
2.000	2.000	.250	.312	.250	.250	1.255	2.5	6	853C
2.500	2.500	.312	.375	.375	.250	1.909	3.1	5	853M
3.000	2.500	.312	.375	.375	.312	2.126	3.4	5	853H
3.000	3.000	.375	.438	.438	.312	2.717	3.8	4	853D
4.000	3.000	.312	.375	.375	.375	2.754	4.5	5	853R
4.000	4.000	.375	.438	.438	.500	3.745	5.0	4	853E
4.000	5.000	.375	.438	.438	.500	4.223	5.8	4	853S

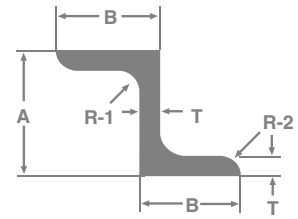
TEES (Miscellaneous)



-A-	-B-	T1	T2	-R-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
2.000	1.625	.250	.250	.031	.993	2.2	7	8905
2.500	12.000	.500	.500	.250	8.262	12.1	3	519169
3.000	4.000	.250	.250	.063	1.986	4.6	7	511812
6.000	4.000	.312	.375	.312	3.877	6.3	5	37524

Sapa Industrial Extrusions

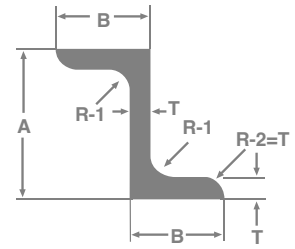
ZEES – Equal Legs,
Rounded Inside Angles,
Rounded Inside Corners (Structural)



-A-	-B-	-T-	R1	R2	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
1.750	1.750	.188	.188	.125	1.087	3.7	9	771D
2.000	1.250	.188	.188	.125	.922	3.1	9	771C
2.375	1.250	.188	.188	.125	1.005	3.3	9	7088
3.000	2.688	.250	.312	.250	2.333	5.9	7	771B
3.000	2.688	.375	.312	.250	3.381	5.8	5	771A
4.000	3.062	.250	.312	.250	2.847	7.1	7	771J
4.062	3.125	.312	.312	.250	3.572	7.2	5	771M
4.125	3.188	.375	.312	.250	4.318	7.3	5	771N
5.000	3.250	.312	.312	.250	4.008	7.9	5	771K
5.062	3.312	.375	.312	.250	4.840	8.0	5	771E

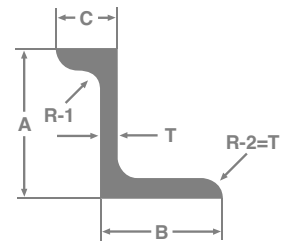
Sapa Industrial Extrusions

ZEES – Equal Legs,
Rounded Inside Angles,
Rounded Inside Corners
(Army Navy Drawing)



-A-	-B-	-T-	R1	R2	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION #10138
1.250	.750	.078	.125	.078	.243	1.9	21	1202
1.500	1.000	.094	.125	.094	.370	2.4	18	1403
2.000	.750	.063	.125	.063	.256	2.5	26	2001
2.000	1.500	.125	.125	.125	.698	3.5	14	2004

ZEES – Unequal Legs,
Rounded Inside Angles,
Rounded Inside Corners
(Army Navy Drawing)

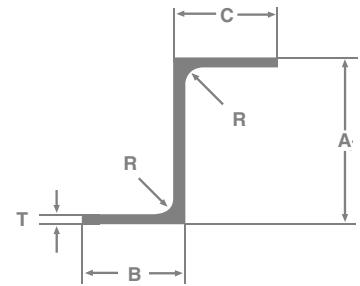


These Sapa TDA zeos are available with dimensions as small as
A = .250", B = .500", C = .500" in 6061 and 6063 alloys. These shapes are available
as special inquiry in 2024 and 7075 alloys in maximum weight of 1/2 pound per foot.

-A-	-B-	-C-	-T-	R1	R2	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION #10139
1.750	1.250	.750	.094	.125	.094	.397	2.6	18	1604

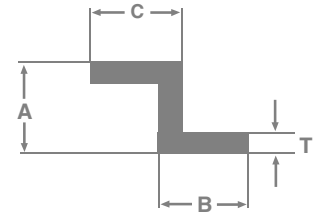
Sapa Industrial Extrusions

ZEES – Sharp Corners, Rounded Angles (Miscellaneous)



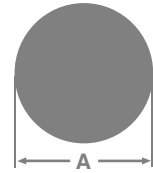
-A-	-B-	-C-	-T-	-R-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
2.000	1.250	1.250	.125	.188	.642	3.1	13	25532
2.000	1.291	1.291	.102	.125	.488	3.2	18	45876
6.000	4.000	4.000	.438	.250	6.536	9.7	4	411331

ZEES – Sharp Corners



-A-	-B-	-C-	-T-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
.500	.500	.500	.094	.145	1.0	19	205741
.750	.750	.750	.125	.294	1.6	14	205751
.875	.750	.750	.125	.309	1.6	14	535757
1.000	1.125	1.125	.125	.441	2.3	14	4374

ACC-U-ROD™

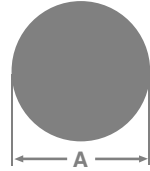


DIAMETER A	TOLERANCE	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
.375	±.0025	.130	.4	9	507950*
.438	±.003	.177	.4	8	507951*
.500	±.003	.241	.5	7	507324
.510	±.003	.240	.5	7	509252
.562	±.003	.292	.6	6	507771
.625	±.003	.361	.6	5	507325
.688	±.003	.437	.7	5	507953
.750	±.003	.520	.8	5	507249
.812	±.003	.609	.8	4	507954
.875	±.003	.707	.9	4	507326
.938	±.003	.813	1.0	4	507955
1.000	±.003	.924	1.0	3	507248
1.062	±.004	1.042	1.1	3	507956
1.125	±.004	1.169	1.1	3	507327
1.188	±.004	1.304	1.2	3	507957
1.250	±.004	1.443	1.3	3	507328
1.312	±.004	1.590	1.4	3	507958
1.375	±.004	1.746	1.4	2	507329
1.438	±.004	1.910	1.4	2	507959
1.500	±.004	2.078	1.5	2	507247

* Does not meet ACC-U-ROD™ mechanical properties.

Sapa Industrial Extrusions

ECON-O-ROD® *plus*

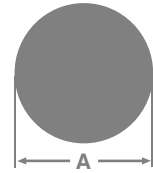


DIAMETER A	TOLERANCE	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
.312	±.005*	0.090	.3	11	501163
.344	±.005*	0.109	.3	10	501165
.375	±.004*	0.130	.4	9	555306
.406	±.004*	0.152	.4	8	555307
.438	±.004*	0.177	.5	8	555308
.468	±.004*	0.202	.5	7	555309
.500	±.004	0.231	.5	7	555310
.531	±.004	0.260	.5	6	555311
.551	±.004	0.280	.6	6	555312
.562	±.004	0.292	.6	6	555313
.563	±.004	0.293	.6	6	555314
.594	±.004	0.326	.6	6	555315
.625	±.004	0.361	.6	5	555316
.630	±.004	0.367	.6	5	555317
.635	±.004	0.373	.6	5	555318
.640	±.004	0.378	.6	5	555319
.656	±.004	0.397	.7	5	555320
.687	±.004	0.436	.7	5	555321
.688	±.004	0.437	.7	5	555322
.718	±.004	0.476	.7	5	555323
.750	±.004	0.520	.8	5	555324
.766	±.004	0.542	.8	4	555325
.775	±.004	0.555	.8	4	555326
.781	±.004	0.563	.8	4	555327
.812	±.004	0.609	.8	4	555328
.844	±.004	0.658	.9	4	555329
.875	±.004	0.707	.9	4	555330
.880	±.004	0.715	.9	4	555331
.906	±.004	0.758	1.0	4	555332
.938	±.004	0.813	1.0	4	555333
.968	±.004	0.866	1.0	3	555334
.985	±.004	0.896	1.0	3	555335
1.000	±.004	0.924	1.0	3	555336
1.016	±.005	0.953	1.0	3	555337
1.031	±.005	0.982	1.0	3	555338

* Signifies standard straightness of .0125" per ft.
 Straightness for ECON-O-ROD® Plus sizes .500" to 7.500" diameter improved to 2/3rds standard extruded tolerance, .0083" per ft. or .100"/12 ft. length.
 Available in 6061, 6262, 6042 and 6082 alloys.
 Choice of -T6 and -T5 tempers and stress-relieved -T6511 and -T5511 tempers.
 Standard 12 ft. lengths.

(section continues on next page)

ECON-O-ROD® *plus*



DIAMETER A	TOLERANCE	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
1.062	±.005	1.042	1.1	3	555339
1.125	±.005	1.169	1.2	3	555340
1.188	±.005	1.304	1.2	3	555341
1.240	±.005	1.421	1.2	3	555342
1.250	±.005	1.443	1.2	3	555343
1.266	±.005	1.480	1.3	3	555344
1.281	±.005	1.516	1.3	3	555345
1.312	±.005	1.590	1.3	3	555346
1.344	±.005	1.668	1.3	3	555347
1.375	±.005	1.746	1.4	2	555348
1.438	±.005	1.910	1.4	2	555349
1.468	±.005	1.990	1.5	2	555350
1.500	±.005	2.078	1.5	2	555351
1.563	±.005	2.256	1.6	2	555352
1.625	±.005	2.439	1.6	2	555353
1.688	±.005	2.632	1.7	2	555354
1.750	±.005	2.829	1.8	2	555355
1.812	±.005	3.033	1.8	2	555356
1.875	±.005	3.247	1.9	2	555357
1.938	±.005	3.469	1.9	2	555358
2.000	±.007	3.695	2.0	2	555359
2.031	±.007	3.810	2.0	2	555360
2.062	±.007	3.927	2.1	2	555361
2.125	±.007	4.171	2.1	2	555362
2.188	±.007	4.422	2.2	2	555363
2.250	±.007	4.676	2.3	1	555364
2.312	±.007	4.937	2.3	1	555365
2.360	±.007	5.144	2.4	1	555366
2.375	±.007	5.210	2.4	1	555367
2.438	±.007	5.490	2.4	1	555368
2.500	±.007	5.773	2.5	1	555369
2.563	±.007	6.067	2.6	1	555370
2.625	±.007	6.364	2.6	1	555371
2.750	±.007	6.985	2.8	1	555372
2.875	±.007	7.634	2.9	1	555373

Straightness for ECON-O-ROD® *Plus* sizes .500" to 7.500" diameter improved to 2/3rds standard extruded tolerance, .0083" per ft. or .100"/12 ft. length.

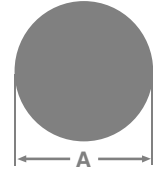
Available in 6061, 6262, 6042 and 6082 alloys.

Choice of -T6 and -T5 tempers and stress-relieved -T6511 and -T5511 tempers.

Standard 12 ft. lengths.

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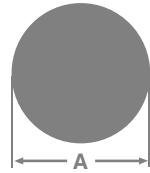
ECON-O-ROD® *plus*



DIAMETER A	TOLERANCE	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
3.000	±.007	8.313	3.0	1	555374
3.062	±.012	8.660	3.1	1	500337
3.125	±.012	9.020	3.1	1	500322
3.250	±.012	9.756	3.2	1	500171
3.375	±.012	10.521	3.4	1	511631
3.500	±.012	11.314	3.5	1	500328
3.625	±.012	12.137	3.6	1	516990
3.750	±.012	12.989	3.8	1	500338
4.000	±.017	14.778	4.0	1	500330
4.125	±.017	15.716	4.1	1	555375
4.250	±.017	16.683	4.2	1	500428
4.312	±.017	17.173	4.3	1	511670
4.500	±.017	18.703	4.5	1	501160
4.750	±.017	20.839	4.8	1	503297
5.000	±.017	23.091	5.0	1	503296
5.250	±.022	25.458	5.2	1	515662
5.375	±.022	26.684	5.4	1	555305
5.500	±.022	27.940	5.5	1	515663
5.625	±.022	29.224	5.6	1	555304
5.750	±.022	30.537	5.8	1	515664
6.000	±.022	33.251	6.0	1	515665
6.125	±.022	34.650	6.1	1	555376
6.250	±.022	36.079	6.2	1	516101
6.500	±.022	39.023	6.5	1	516102
6.750	±.022	42.083	6.8	1	555303
7.000	±.022	45.258	7.0	1	555302
7.250	±.022	48.548	7.2	1	555301
7.500	±.022	51.954	7.5	1	555300

Straightness for ECON-O-ROD® *Plus* sizes .500" to 7.500" diameter improved to 2/3rds standard extruded tolerance, .0083" per ft. or .100"/12 ft. length.
 Available in 6061, 6262, 6042 and 6082 alloys.
 Choice of -T6 and -T5 tempers and stress-relieved -T6511 and -T5511 tempers.
 Standard 12 ft. lengths.

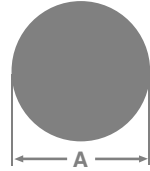
EXTRUDED ROUND ROD



DIAMETER A	EST. WT/FT	CIRCLE SIZE	FACTOR
.250	.058	.3	14
.281	.073	.3	12
.312	.090	.3	11
.315	.092	.4	11
.344	.109	.3	10
.375	.130	.4	9
.438	.177	.4	8
.472	.206	.5	7
.500	.231	.5	7
.551	.280	.6	6
.562	.292	.6	6
.625	.361	.6	5
.630	.367	.6	5
.688	.437	.7	5
.703	.456	.7	5
.750	.520	.8	5
.787	.572	.8	4
.812	.609	.8	4
.875	.707	.9	4
.878	.712	.9	4
.938	.813	.9	4
.984	.894	1.0	3
1.000	.924	1.0	3
1.062	1.042	1.1	3
1.125	1.169	1.1	3
1.181	1.288	1.2	3
1.188	1.304	1.2	3
1.219	1.372	1.2	3
1.250	1.443	1.3	3
1.312	1.590	1.3	3
1.344	1.668	1.3	3
1.375	1.746	1.4	2
1.438	1.910	1.4	2
1.496	2.067	1.5	2
1.500	2.078	1.5	2

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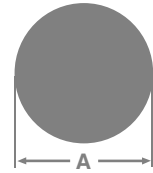
EXTRUDED ROUND ROD



DIAMETER A	EST. WT/FT	CIRCLE SIZE	FACTOR
1.562	2.254	1.6	2
1.575	2.291	1.6	2
1.625	2.439	1.6	2
1.688	2.632	1.7	2
1.750	2.829	1.8	2
1.812	3.033	1.8	2
1.875	3.247	1.9	2
1.969	3.581	2.0	2
2.000	3.695	2.0	2
2.062	3.927	2.1	2
2.125	4.171	2.1	2
2.250	4.676	2.3	1
2.312	4.937	2.3	1
2.375	5.210	2.4	1
2.437	5.485	2.4	1
2.438	5.490	2.4	1
2.500	5.773	2.5	1
2.562	6.063	2.6	1
2.625	6.364	2.6	1
2.750	6.985	2.8	1
2.756	7.015	2.8	1
2.875	7.635	2.9	1
3.000	8.313	3.0	1
3.125	9.020	3.1	1
3.150	9.165	3.2	1
3.250	9.756	3.3	1
3.312	10.132	3.3	1
3.375	10.521	3.4	1
3.500	11.314	3.5	1
3.543	11.594	3.5	1
3.625	12.137	3.6	1
3.750	12.989	3.8	1
3.875	13.869	3.9	1
3.937	14.316	3.9	1
4.000	14.778	4.0	1

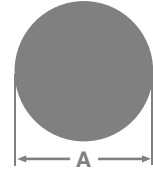
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EXTRUDED ROUND ROD



DIAMETER A	EST. WT/FT	CIRCLE SIZE	FACTOR
4.062	15.240	4.1	1
4.125	15.716	4.1	1
4.250	16.683	4.3	1
4.330	17.317	4.3	1
4.331	17.325	4.3	1
4.375	17.679	4.4	1
4.500	18.703	4.5	1
4.528	18.937	4.5	1
4.567	19.264	4.6	1
4.625	19.757	4.6	1
4.724	20.612	4.7	1
4.750	20.839	4.8	1
4.812	21.387	4.8	1
4.875	21.951	4.9	1
5.000	23.091	5.0	1
5.062	23.667	5.1	1
5.125	24.260	5.1	1
5.188	24.859	5.2	1
5.250	25.458	5.3	1
5.315	26.091	5.3	1
5.375	26.684	5.4	1
5.500	27.940	5.5	1
5.625	29.224	5.7	1
5.750	30.537	5.8	1
5.813	31.210	5.9	1
6.000	33.251	6.0	1
6.125	34.650	6.1	1
6.250	36.079	6.3	1
6.375	37.537	6.4	1
6.500	39.023	6.5	1
6.625	40.539	6.6	1
6.750	42.083	6.8	1
6.800	42.709	6.8	1
7.000	45.258	7.0	1
7.062	47.063	7.1	1
7.125	46.889	7.1	1
7.250	48.548	7.2	1
7.500	51.954	7.5	1

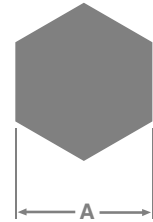
JUMBO ROD



DIAMETER A	TOLERANCE	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION	MAXIMUM LENGTH
7.750	±.044	55.475	7.8	1	order by size	20' Max
8.000	±.054	59.112	8.0	1	order by size	18' Max
8.125	±.054	60.974	8.2	1	order by size	18' Max
8.250	±.054	62.864	8.2	1	order by size	17' Max
8.375	±.054	64.784	8.4	1	555997	17' Max
8.500	±.054	66.732	8.5	1	order by size	17' Max
8.625	±.054	68.709	8.6	1	531153	17' Max
8.750	±.054	70.715	8.8	1	555242	16' Max
9.000	±.054	74.814	9.0	1	order by size	15' Max ^A
9.125	±.054	76.907	9.1	1	555996	14' Max ^B
9.250	±.054	79.028	9.2	1	order by size	14' Max ^B
9.500	±.054	83.357	9.5	1	order by size	13' Max ^B
9.750	±.054	87.803	9.8	1	555998	12' Max ^C
10.000	±.074	92.363	10.0	1	542329	12' Max ^C
10.125	±.074	94.686	10.1	1	542343	11' Max ^C
10.130	±.074	94.780	10.2	1	543187	11' Max ^C
10.250	±.074	97.039	10.2	1	542344	10' Max ^C
10.500	±.074	101.830	10.5	1	542345	9' Max ^C
11.000	±.074	111.759	11.0	1	543054	8' Max ^C
11.125	±.074	114.313	11.2	1	555983	8' Max ^D
11.250	±.074	116.987	11.2	1	555984	8' Max ^D
11.500	±.074	122.150	11.5	1	556936	7' Max ^D
12.000	±.084	133.002	12.0	1	556781	7' Max ^D

Available in 6061, 6262, 6042 and 6082 alloys.
 Choice of -T6 temper and stress-relieved -T6511 temper. Standard 12 ft. lengths.
^A Available in -T6 temper only; straightness .030"/ft.
^B Available in -T6 temper only; straightness .050"/ft.
^C Available in -T6 temper only; straightness .050"/ft.; cast structure may be present.
^D Available in -T6 temper only; straightness .050"/ft.; cast structure may be present, 8% minimum elongation for 6061, 6042 and 6262 alloys, -T6 tempers

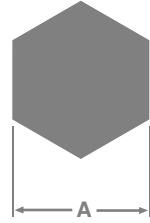
ECON-O-HEX® *plus*



DIMENSION A	TOLERANCE	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
.438	±.005	.195	.5	8	500387
.500	±.005	.255	.6	7	500380
.562	±.005	.322	.6	6	500360
.625	±.005	.398	.7	5	500358
.688	±.005	.482	.8	5	500355
.750	±.005	.573	.9	5	500353
.813	±.005	.673	.9	4	500354
.866	±.005	.764	1.0	4	500375
.875	±.005	.780	1.0	4	500361
.938	±.005	.896	1.1	4	500239
.945	±.006	.909	1.1	4	501190
1.000	±.006	1.018	1.2	3	500352
1.062	±.006	1.149	1.2	3	500362
1.062	(+.000/- .010)	1.138	1.2	3	515809
1.063	(+.000/- .010)	1.140	1.2	3	515556
1.125	±.006	1.289	1.3	3	500356
1.188	±.006	1.437	1.4	3	500368
1.250	±.006	1.591	1.4	3	500371
1.312	±.006	1.753	1.5	3	500377
1.375	±.006	1.925	1.6	2	500359
1.438	±.006	2.106	1.7	2	500381
1.500	±.007	2.292	1.7	2	500364
1.625	±.007	2.689	1.9	2	500363
1.688	±.007	2.902	1.9	2	500370
1.750	±.007	3.119	2.0	2	500357
1.812	±.007	3.344	2.1	2	502752
1.875	±.008	3.580	2.2	2	500366
2.000	±.008	4.074	2.3	2	500369
2.250	±.012	5.156	2.6	1	501187
2.375	±.012	5.745	2.7	1	500367
2.438	±.012	6.053	2.8	1	500374
2.500	±.012	6.365	2.9	1	501188
2.625	±.012	7.018	3.3	1	521426
2.750	±.012	7.702	3.2	1	500376
2.875	±.012	8.418	3.3	1	500385
3.250	±.012	10.757	3.8	1	500382

Straightness for ECON-O-HEX® *Plus* sizes .438" to 3.250" thickness improved to 2/3rds standard tolerance, .0083" per ft. or .100"/12 ft. length.
 Available in 6061, 6262, 6042 and 6082 alloys.
 Choice of -T6 temper and stress-relieved -T6511 and -T5511 tempers.
 Standard 12 ft. lengths.

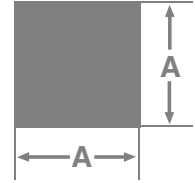
EXTRUDED HEXAGONAL BAR



DIMENSION A	EST. WT/FT	CIRCLE SIZE	FACTOR
0.625	.398	.7	5
0.750	.573	.9	5
0.812	.672	.9	4
0.875	.780	1.0	4
1.000	1.018	1.2	3
1.062	1.149	1.2	3
1.125	1.289	1.3	3
1.250	1.591	1.4	3
1.375	1.925	1.6	2
1.438	2.106	1.7	2
1.500	2.292	1.7	2
1.562	2.485	1.7	2
1.625	2.689	1.9	2
1.687	2.898	1.7	2
1.750	3.119	2.0	2
1.875	3.580	2.2	2
2.000	4.074	2.3	2
2.250	5.156	2.6	1
2.375	5.745	2.7	1
2.500	6.365	2.9	1
2.625	7.018	3.0	1
2.875	8.418	3.3	1
3.000	9.166	3.5	1
3.250	10.757	3.8	1
3.500	12.476	4.0	1
3.625	13.383	4.2	1
3.750	14.322	4.3	1

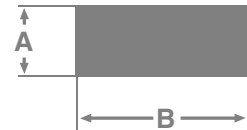
Sapa Industrial Extrusions

ACC-U-BAR® – Square



DIMENSION A	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
1.500 (+.014)	2.671	2.13	2	550600
1.750 (+0.14)	3.630	2.48	2	555232
2.000 (+.024)	4.761	2.85	1	550601
2.500 (+.024)	7.421	3.55	1	550602
3.000 (+.024)	10.669	4.26	1	550603
3.500 (+.024)	14.546	4.97	1	550604
4.000 (+.034)	18.976	5.68	1	550605
4.500 (+.034)	23.994	6.39	1	550606
5.000 (+.034)	29.600	7.10	1	550607
5.500 (+.034)	35.794	7.80	1	550608
6.000 (+.044)	42.647	8.52	1	550609

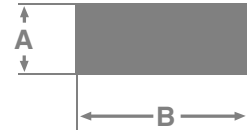
ACC-U-BAR® – Rectangular



-A-	-B-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
1.000 (+.012)	1.500 (+0.14)	1.783	1.80	3	555224
1.000 (+.014)	2.000 (+.024)	2.383	2.24	3	552853
1.000 (+.014)	2.500 (+.024)	2.975	2.70	2	552848
1.000 (+.012)	3.000 (+0.24)	3.563	3.18	2	552712
1.000 (+.012)	3.500 (+0.24)	4.155	3.65	2	555225
1.000 (+.012)	5.000 (+0.34)	5.935	5.11	2	555226
1.250 (+.012)	2.500 (+0.24)	3.710	2.80	2	555227
1.250 (+.012)	3.000 (+0.24)	4.449	3.26	2	555228
1.250 (+.014)	3.750 (+.024)	5.561	3.96	2	552856
1.250 (+.014)	4.500 (+.034)	6.677	4.68	2	552850

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ACC-U-BAR® – Rectangular

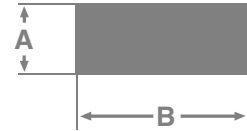


-A-	-B-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
1.250 (+.014)	5.500 (+.034)	8.155	5.65	2	552852
1.500 (+.014)	2.000 (+.024)	3.566	2.51	2	550610
1.500 (+.014)	2.500 (+.024)	4.452	2.93	2	550611
1.500 (+.014)	3.000 (+.024)	5.338	3.37	2	550613
1.500 (+.014)	3.500 (+.024)	6.233	3.83	2	550616
1.500 (+.014)	4.000 (+.034)	7.119	4.29	2	550620
1.500 (+.014)	4.500 (+.034)	8.005	4.76	1	550625
1.500 (+.014)	5.000 (+.034)	8.891	5.24	1	550631
1.500 (+.014)	5.500 (+.034)	9.777	5.72	1	550638
1.500 (+.014)	6.000 (+.044)	10.672	6.21	1	550646
1.500 (+.014)	6.500 (+0.24)	11.558	6.69	1	552711
1.500 (+.014)	7.000 (+0.44)	12.445	7.18	1	555229
1.500 (+.014)	8.500 (+.054)	14.994	14.24	1	552847
1.750 (+.014)	2.750 (+0.24)	5.707	3.27	2	555230
1.750 (+.014)	3.750 (+.024)	7.779	4.15	1	552851
1.750 (+.014)	4.500 (+.034)	9.328	4.84	1	552849
1.750 (+.014)	5.500 (+.034)	11.393	5.97	1	552854
1.750 (+.014)	6.500 (+0.44)	13.476	6.75	1	555231
2.000 (+.024)	2.500 (+.024)	5.944	3.22	1	550612
2.000 (+.024)	3.000 (+.024)	7.127	3.62	1	550614
2.000 (+.024)	3.500 (+.024)	8.322	4.05	1	550617
2.000 (+.024)	4.000 (+.034)	9.505	4.49	1	550621
2.000 (+.024)	4.500 (+.034)	10.688	4.94	1	550626
2.000 (+.024)	5.000 (+.034)	11.871	5.41	1	550632
2.000 (+.024)	5.500 (+.034)	13.054	5.87	1	550639
2.000 (+.024)	6.000 (+.044)	14.249	6.35	1	550647
2.000 (+.024)	6.500 (+.044)	15.432	6.82	1	552855
2.000 (+.024)	8.500 (+.054)	19.992	26.08	1	552846
2.250 (+.024)	8.000 (+0.54)	21.353	8.34	1	555233
2.500 (+.024)	3.000 (+.024)	8.898	3.92	1	550615
2.500 (+.024)	3.250 (+0.24)	9.636	4.11	1	555234
2.500 (+.024)	3.500 (+.024)	10.390	4.32	1	550618
2.500 (+.024)	4.000 (+.034)	11.867	4.74	1	550622
2.500 (+.024)	4.500 (+.034)	13.344	5.17	1	550627
2.500 (+.024)	5.000 (+.034)	14.821	5.61	1	550633

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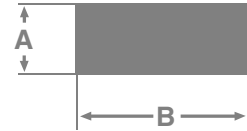
Sapa Industrial Extrusions

ACC-U-BAR® – Rectangular



-A-	-B-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
2.500 (+.024)	5.500 (+.034)	16.298	6.06	1	550640
2.500 (+.024)	6.000 (+.044)	17.790	6.52	1	550648
3.000 (+.024)	3.500 (+.024)	12.458	4.63	1	550619
3.000 (+.024)	4.000 (+.034)	14.229	5.02	1	550623
3.000 (+.024)	4.500 (+.034)	16.000	5.43	1	550628
3.000 (+.024)	5.000 (+.034)	17.771	5.85	1	550634
3.000 (+.024)	5.500 (+.034)	19.542	6.29	1	550641
3.000 (+.024)	6.000 (+.034)	21.331	6.73	1	550649
3.250 (+.024)	4.250 (+.034)	16.369	5.36	1	555235
3.500 (+.024)	4.000 (+.034)	16.614	5.34	1	550624
3.500 (+.024)	4.500 (+.034)	18.682	5.72	1	550629
3.500 (+.024)	5.000 (+.034)	20.750	6.13	1	550635
3.500 (+.024)	5.500 (+.034)	22.818	6.54	1	550642
3.500 (+.024)	6.000 (+.034)	24.907	6.97	1	550650
3.500 (+.024)	6.750 (+.044)	27.969	7.62	1	555236
4.000 (+.034)	4.500 (+.034)	21.338	6.04	1	550630
4.000 (+.034)	5.000 (+.034)	23.700	6.43	1	550636
4.000 (+.034)	5.500 (+.044)	26.062	6.82	1	550643
4.000 (+.034)	6.000 (+.034)	28.448	7.24	1	550651
4.000 (+.034)	7.000 (+.044)	33.171	8.07	1	554694
4.000 (+.034)	8.000 (+.044)	37.919	8.96	1	553318
4.500 (+.024)	5.000 (+.034)	26.650	6.75	1	550637
4.500 (+.034)	5.500 (+.034)	29.306	7.13	1	550644
4.500 (+.034)	6.000 (+.044)	31.989	7.53	1	550652
5.000 (+.034)	5.500 (+.034)	32.550	7.46	1	550645
5.000 (+.034)	6.000 (+.044)	35.530	7.84	1	550653
5.000 (+.034)	6.500 (+.044)	38.480	8.23	1	550655
5.000 (+.034)	7.000 (+.044)	41.430	8.63	1	550657
5.000 (+.034)	7.500 (+.044)	44.380	9.04	1	550659
5.000 (+.034)	8.000 (+.054)	47.359	9.47	1	550660
5.500 (+.034)	6.000 (+.044)	39.071	8.17	1	550654
5.500 (+.034)	8.000 (+.054)	52.079	9.74	1	550661
6.000 (+.024)	6.500 (+.044)	46.188	8.88	1	550656
6.000 (+.024)	7.000 (+.044)	49.729	9.25	1	550658
7.000 (+.044)	8.000 (+.054)	66.286	10.66	1	554704

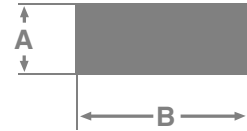
ACC-U-PLATE®



-A-	-B-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
.250 (+.016)	8.000 (+.108)	2.444	8.1	7	510969*
.250 (+.016)	10.000 (+.148)	3.056	10.1	7	510970*
.250 (+.016)	12.000 (+.168)	3.667	12.1	7	510971*
.250 (+.025)	14.000 (+.188)	4.343	14.1	7	510623*
.312 (+.025)	12.000 (+.168)	4.611	12.1	5	514124
.375 (+.016)	8.000 (+.108)	3.637	8.1	5	510972
.375 (+.016)	10.000 (+.148)	4.549	10.1	5	510973
.375 (+.016)	12.000 (+.168)	5.457	12.1	5	510974
.375 (+.016)	14.000 (+.188)	6.348	14.1	5	510624
.375 (+.016)	16.000 (+.208)	7.386	16.1	4	518672
.500 (+.022)	8.000 (+.108)	4.840	8.1	4	510975
.500 (+.022)	10.000 (+.148)	6.054	10.1	3	510976
.500 (+.022)	12.000 (+.168)	7.262	12.1	4	510977
.500 (+.022)	14.000 (+.188)	8.470	14.1	3	510625
.500 (+.022)	16.000 (+.208)	9.753	16.1	3	518673
.625 (+.022)	8.000 (+.108)	6.023	8.1	3	510978
.625 (+.022)	10.000 (+.148)	7.535	10.1	3	510979
.625 (+.022)	12.000 (+.168)	9.038	12.1	3	510980
.625 (+.022)	14.000 (+.188)	10.541	14.1	3	510626
.625 (+.022)	16.000 (+.208)	12.045	16.1	3	518674
.750 (+.030)	8.000 (+.108)	7.245	8.1	2	510981
.750 (+.030)	10.000 (+.148)	9.063	10.1	2	510982
.750 (+.030)	12.000 (+.168)	10.871	12.1	2	510983
.750 (+.030)	14.000 (+.188)	12.680	14.1	2	510627
.750 (+.030)	16.000 (+.208)	14.488	16.1	2	515521
.750 (+.030)	18.000 (+.228)	16.296	18.1	2	518675
.875 (+.030)	10.000 (+.148)	10.544	10.1	2	510985
.875 (+.030)	12.000 (+.168)	12.648	12.1	2	510986
.875 (+.031)	14.000 (+.188)	14.760	14.1	2	510628
.875 (+.030)	16.000 (+.208)	16.964	16.2	2	515522
.875 (+.030)	18.000 (+.228)	18.959	18.1	2	518704
1.000 (+.038)	8.000 (+.108)	9.651	8.1	2	510987
1.000 (+.038)	9.000 (+.108)	10.850	9.1	2	511927
1.000 (+.038)	10.000 (+.148)	12.072	10.1	2	510988
1.000 (+.038)	12.000 (+.168)	14.481	12.1	2	510989

* Does not meet ACC-U-PLATE® mechanical properties.
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ACC-U-PLATE®

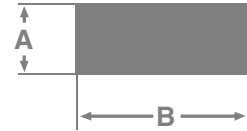


-A-	-B-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
1.000 (+.038)	13.000 (+.168)	15.680	13.1	2	514801
1.000 (+.038)	14.000 (+.188)	16.890	14.1	2	510629
1.000 (+.038)	15.000 (+.188)	18.088	15.1	2	514789
1.000 (+.038)	16.000 (+.208)	19.298	16.1	2	515175
1.000 (+.038)	18.000 (+.228)	21.707	18.1	2	515458
1.125 (+.038)	12.000 (+.168)	16.257	12.2	2	514059
1.125 (+.038)	16.000 (+.208)	21.665	16.1	2	517333
1.125 (+.038)	18.000 (+.228)	24.369	18.0	2	515788
1.250 (+.038)	8.000 (+.108)	12.020	8.2	2	510990
1.250 (+.038)	10.000 (+.148)	15.034	10.2	1	510991
1.250 (+.038)	12.000 (+.168)	18.034	12.2	1	510992
1.250 (+.038)	14.000 (+.188)	21.033	14.1	1	510630
1.250 (+.038)	16.000 (+.208)	24.033	16.2	1	515523
1.250 (+.038)	18.000 (+.228)	27.033	18.2	1	515789
1.375 (+.038)	12.000 (+.168)	19.817	12.2	1	514061
1.375 (+.038)	14.000 (+.188)	23.105	14.2	1	514062
1.500 (+.038)	8.000 (+.108)	14.387	8.2	1	510993
1.500 (+.038)	10.000 (+.148)	17.995	10.2	1	510994
1.500 (+.038)	12.000 (+.168)	21.587	12.2	1	510995
1.500 (+.038)	14.000 (+.188)	25.177	14.2	1	510761
1.500 (+.038)	16.000 (+.208)	28.767	16.2	1	515524
1.500 (+.038)	18.000 (+.228)	32.358	18.1	1	515459
1.625 (+.038)	12.000 (+.168)	23.363	12.2	1	514063
1.625 (+.038)	16.000 (+.208)	31.135	16.1	1	517335
1.750 (+.048)	8.000 (+.108)	16.803	8.2	1	510996
1.750 (+.048)	10.000 (+.148)	21.016	10.2	1	510997
1.750 (+.048)	12.000 (+.168)	25.210	12.2	1	510998
1.750 (+.048)	14.000 (+.188)	29.404	14.2	1	510631
1.750 (+.048)	16.000 (+.208)	33.596	16.2	1	515525
2.000 (+.054)	8.000 (+.108)	19.198	8.4	1	510999
2.000 (+.054)	10.000 (+.148)	24.014	10.3	1	511000
2.000 (+.054)	12.000 (+.168)	28.805	12.3	1	511001
2.000 (+.054)	14.000 (+.188)	33.597	14.2	1	510632
2.000 (+.054)	16.000 (+.208)	38.388	16.2	1	515176
2.250 (+.054)	8.000 (+.108)	21.567	8.4	1	514017

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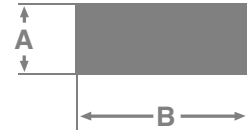
Sapa Industrial Extrusions

ACC-U-PLATE®



-A-	-B-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
2.250 (+.054)	10.000 (+.148)	26.976	10.3	1	514018
2.250 (+.054)	14.000 (+.188)	37.740	14.3	1	514558
2.250 (+.054)	16.000 (+.208)	43.123	16.3	1	515737
2.250 (+.054)	16.250 (+.208)	44.066	17.0	1	532486
2.500 (+.074)	8.000 (+.188)	24.149	8.5	1	514019
2.500 (+.074)	10.000 (+.188)	30.116	10.4	1	514020
2.500 (+.074)	12.000 (+.168)	36.083	12.4	1	515093
2.500 (+.074)	14.000 (+.188)	42.050	14.3	1	515092
2.500 (+.074)	16.000 (+.208)	48.045	16.3	1	515526
3.000 (+.074)	8.000 (+.108)	28.765	8.6	1	518714
3.000 (+.074)	10.000 (+.148)	35.979	10.5	1	515095
3.000 (+.074)	12.000 (+.168)	43.158	12.5	1	515096
3.000 (+.074)	14.000 (+.188)	51.075	14.4	1	515094
3.000 (+.074)	16.000 (+.208)	57.516	16.4	1	515527
3.500 (+.100)	8.000 (+.108)	33.624	8.8	1	518715
3.500 (+.100)	10.000 (+.148)	42.057	10.7	1	516402
3.500 (+.100)	12.000 (+.168)	50.448	12.6	1	516403
3.500 (+.100)	14.000 (+.188)	58.840	14.5	1	516404
3.500 (+.100)	16.000 (+.208)	67.231	16.5	1	518716
4.000 (+.130)	8.000 (+.108)	38.502	9.0	1	518717
4.000 (+.130)	10.000 (+.148)	48.158	10.9	1	518718
4.000 (+.130)	12.000 (+.168)	57.770	12.7	1	516405
4.000 (+.130)	14.000 (+.188)	67.375	14.7	1	516406

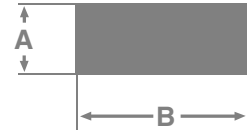
ECON-O-PLATE®



-A-	-B-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
.250	6.000	1.764	6.0	7	505000
.250	7.000	2.058	7.0	7	505001
.250	8.000	2.352	8.0	7	505002
.250	9.000	2.646	9.0	7	505003
.250	10.000	2.940	10.0	7	505004
.250	12.000	3.528	12.0	7	505005
.250	14.000	4.116	14.0	7	505006
.312	7.000	2.572	7.0	6	510241
.375	6.000	2.646	6.0	5	505014
.375	7.000	3.087	7.0	5	505015
.375	8.000	3.528	8.0	5	505016
.375	9.000	3.969	9.0	5	505017
.375	10.000	4.410	10.0	5	505018
.375	12.000	5.292	12.0	5	505019
.375	14.000	6.174	14.0	5	505020
.500	6.000	3.528	6.0	4	505021
.500	7.000	4.116	7.0	4	505022
.500	8.000	4.704	8.0	4	505023
.500	9.000	5.292	9.0	4	505024
.500	10.000	5.880	10.0	4	505025
.500	11.000	6.468	11.0	4	537968
.500	12.000	7.056	12.0	3	505026
.500	13.000	7.644	13.0	4	537001
.500	14.000	8.232	14.0	3	505027
.500	16.000	9.408	16.0	4	517330
.500	18.000	10.584	18.0	3	518129
.625	6.000	4.410	6.0	3	505028
.625	7.000	5.145	7.0	3	505029
.625	8.000	5.880	8.0	3	505030
.625	9.000	6.615	9.0	3	505031
.625	10.000	7.350	10.0	3	505032
.625	12.000	8.820	12.0	3	505033
.625	13.000	9.555	13.0	3	519309
.625	14.000	10.290	14.0	3	505034
.625	14.567	10.707	14.6	3	519311
.625	16.000	11.760	16.0	3	517332
.750	6.000	5.292	6.0	3	505035
.750	7.000	6.174	7.0	2	505036
.750	8.000	7.056	8.0	2	505037
.750	9.000	7.938	9.0	2	505038

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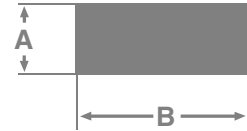
ECON-O-PLATE®



-A-	-B-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
.750	10.000	8.820	10.0	2	505039
.750	12.000	10.584	12.0	2	505040
.750	13.000	11.466	13.1	2	516064
.750	14.000	12.348	14.0	2	505041
.750	15.000	13.230	15.0	2	519312
.750	16.000	14.112	16.0	2	519308
.750	18.000	15.876	18.0	2	533839
.875	8.000	8.232	8.0	2	505044
.875	9.000	9.261	9.0	2	505045
.875	12.000	12.348	12.0	2	505047
.875	13.000	13.377	13.1	2	516065
.875	14.000	14.406	14.0	2	505048
.875	15.000	15.435	15.0	2	531491
.875	16.000	16.464	17.0	2	532992
1.000	6.000	7.056	6.1	2	505049
1.000	7.000	8.232	7.1	2	505050
1.000	8.000	9.408	8.1	2	505051
1.000	9.000	10.584	9.1	2	505052
1.000	10.000	11.760	10.0	2	505053
1.000	12.000	14.112	12.1	2	505054
1.000	13.000	15.288	13.0	2	516421
1.000	14.000	16.464	14.0	2	505055
1.000	15.000	17.640	15.0	2	519306
1.000	16.000	18.816	17.0	2	533196
1.000	17.000	19.992	18.0	2	533353
1.000	18.000	21.168	18.0	2	518400
1.000	19.000	22.344	20.0	2	533354
1.125	12.000	15.876	12.1	2	517207
1.125	12.500	16.537	12.6	2	517356
1.125	13.000	17.199	13.1	2	516066
1.125	15.000	19.845	15.0	2	519313
1.250	6.000	8.820	6.1	1	505056
1.250	7.000	10.290	7.1	2	505057
1.250	8.000	11.760	8.1	2	505058
1.250	9.000	13.230	9.1	2	505059
1.250	10.000	14.700	10.1	2	505060
1.250	12.000	17.640	12.1	1	505061
1.250	12.500	18.375	12.6	2	516067
1.250	13.000	19.110	13.1	2	517208
1.250	13.125	19.687	13.2	1	506751

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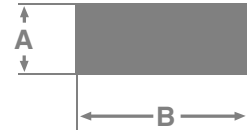
ECON-O-PLATE®



-A-	-B-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
1.250	13.500	19.845	13.6	2	516068
1.250	14.000	20.580	14.0	1	505062
1.250	15.000	22.050	15.1	1	519315
1.250	16.000	23.520	16.1	1	530310
1.250	18.000	26.460	18.1	1	533840
1.375	12.000	19.404	12.1	1	516720
1.375	15.000	24.255	15.1	1	519314
1.500	6.000	10.584	6.2	1	505063
1.500	7.000	12.348	7.2	1	505064
1.500	8.000	14.112	8.1	1	505065
1.500	10.000	17.640	10.0	1	505067
1.500	12.000	21.168	12.1	1	505068
1.500	12.500	22.050	12.6	1	517040
1.500	13.000	22.932	13.1	1	554920
1.500	14.000	24.696	14.1	1	505069
1.500	15.000	26.460	15.1	1	517210
1.500	18.000	31.752	18.1	1	533841
1.625	12.500	23.887	12.6	1	516069
1.625	13.000	24.843	13.1	1	516812
1.625	14.000	26.754	14.1	1	516813
1.625	15.000	28.665	15.1	1	517042
1.625	16.000	30.576	16.1	1	519518
1.750	10.000	20.580	10.2	1	547164
1.750	12.000	24.696	12.1	1	505075
1.750	13.000	26.754	13.1	1	516814
1.750	14.000	28.812	14.1	1	505076
1.750	15.000	30.870	15.1	1	516716
1.750	16.000	32.928	16.1	1	516420
1.750	18.000	37.044	18.0	1	533849
2.000	6.000	14.112	6.3	1	505077
2.000	7.000	16.800	7.3	1	505078
2.000	8.000	18.816	8.2	1	505079
2.000	10.000	23.520	10.2	1	505081
2.000	12.000	28.224	12.2	1	505082
2.000	12.500	29.400	12.7	1	515776
2.000	13.000	30.576	13.2	1	516718
2.000	14.000	32.928	14.1	1	505083
2.000	15.000	35.280	15.1	1	516715
2.000	16.000	37.632	16.1	1	516419
2.000	18.000	42.336	18.2	1	533842

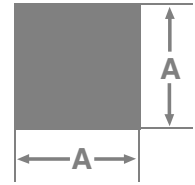
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ECON-O-PLATE®



-A-	-B-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
2.125	16.000	39.984	17.0	1	533197
2.250	13.000	34.398	13.2	1	516815
2.250	13.500	35.721	13.7	1	516816
2.250	14.000	37.044	14.2	1	514770
2.250	15.000	39.690	15.2	1	530423
2.250	16.000	42.336	17.0	1	533266
2.375	13.000	36.309	13.2	1	516817
2.375	15.000	41.895	15.2	1	530422
2.375	16.000	44.688	17.0	1	533198
2.500	8.000	23.520	8.4	1	514900
2.500	10.000	29.399	10.3	1	548435
2.500	13.000	38.222	13.2	1	516510
2.500	14.000	41.160	14.2	1	517044
2.500	15.000	44.100	15.2	1	518234
2.500	16.000	47.040	16.2	1	519519
2.750	13.000	42.042	13.3	1	516416
2.750	14.000	45.276	14.3	1	517045
2.750	15.000	48.510	15.3	1	518235
2.750	16.000	51.744	16.2	1	530311
3.000	13.000	45.864	13.3	1	516508
3.000	14.000	49.392	14.3	1	514021
3.000	16.000	56.448	16.3	1	516418
3.250	13.000	49.686	13.4	1	516711
3.250	16.000	61.152	16.3	1	519520
3.500	14.000	57.624	14.4	1	530425
4.000	14.000	65.856	15.0	1	533662
4.000	16.000	75.264	16.5	1	519521

EXTRUDED SQUARE BAR – Sharp Corners

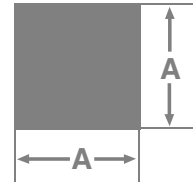


Bar

DIMENSION A	EST. WT/FT	CIRCLE SIZE	FACTOR
.250	.074	.4	14
.312	.114	.4	11
.375	.165	.5	9
.394	.183	.6	9
.472	.262	.7	7
.500	.294	.7	7
.563	.373	.8	6
.625	.459	.9	5
.750	.662	1.1	4
.787	.728	1.1	4
.875	.900	1.3	4
1.000	1.176	1.4	3
1.125	1.488	1.6	3
1.181	1.640	1.7	3
1.250	1.838	1.8	3
1.281	1.930	1.8	3
1.375	2.223	1.9	2
1.500	2.646	2.1	2
1.575	2.917	2.2	2
1.625	3.105	2.3	2
1.750	3.602	2.5	2
1.875	4.134	2.7	2
2.000	4.704	2.8	2
2.250	5.954	3.2	1
2.500	7.350	3.5	1
2.750	8.894	3.9	1
3.000	10.584	4.2	1
3.250	12.422	4.6	1
3.500	14.406	4.9	1
3.750	16.538	5.3	1
4.000	18.816	5.7	1
4.250	21.242	6.0	1
4.500	23.814	6.4	1
5.000	29.400	7.1	1
5.500	35.574	7.8	1

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EXTRUDED SQUARE BAR – Sharp Corners

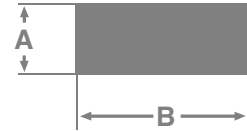


DIMENSION A	EST. WT/FT	CIRCLE SIZE	FACTOR
6.000	42.336	8.5	1
6.500	49.686	9.2	1
7.000	57.624	9.9	1
8.000	75.264	11.3	1

Sapa Industrial Extrusions

EXTRUDED RECTANGULAR BAR – Sharp Corners

Sapa TDA rectangular bar is available with dimensions as small as
 A = .060", B = .060" in 6061 and 6063 alloys. These shapes are available
 as special inquiry in 2024 and 7075 alloys in maximum weight of 1/2 pound per foot.



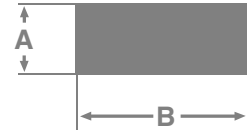
-A-	-B-	EST. WT/FT	CIRCLE SIZE	FACTOR
.125	.375	.055	.4	18
.125	.500	.074	.5	17
.125	.625	.092	.6	16
.125	.750	.110	.8	16
.125	.875	.129	.9	16
.125	1.000	.147	1.0	15
.125	1.125	.165	1.1	15
.125	1.250	.184	1.3	15
.125	1.375	.202	1.4	15
.125	1.500	.220	1.5	15
.125	1.625	.239	1.6	15
.125	1.750	.257	1.8	15
.125	2.000	.294	2.0	14
.125	2.500	.367	2.5	14
.125	3.000	.441	3.2	14
.125	3.500	.515	3.5	14
.125	4.000	.588	4.0	14
.125	6.000	.882	6.0	14
.156	.750	.138	.8	13
.156	1.000	.183	1.0	13
.175	1.000	.206	1.0	11
.175	1.250	.257	1.3	11
.175	1.500	.309	1.5	11
.175	1.750	.360	1.8	11
.175	2.000	.412	2.0	11
.175	2.250	.463	2.3	10
.188	.500	.111	.5	12
.188	.625	.138	.7	12
.188	.750	.166	.8	11
.188	.875	.193	.9	11
.188	1.000	.221	1.0	11
.188	1.125	.249	1.1	11
.188	1.250	.276	1.3	10
.188	1.500	.332	1.5	10
.188	1.720	.380	1.7	10
.188	1.750	.387	1.8	10
.188	2.000	.442	2.0	10
.188	2.250	.497	2.3	10
.188	2.500	.553	2.5	10
.188	3.000	.663	3.0	9

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Sapa Industrial Extrusions

EXTRUDED RECTANGULAR BAR – Sharp Corners

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 A = .060", B = .060" in 6061 and 6063 alloys. These shapes are available
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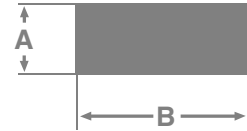


-A-	-B-	EST. WT/FT	CIRCLE SIZE	FACTOR
.188	3.500	.774	3.5	10
.188	4.000	.884	4.0	9
.188	5.000	1.105	5.0	9
.188	6.000	1.327	6.0	9
.188	9.000	1.990	9.0	9
.190	2.000	.456	2.0	10
.190	2.790	.623	2.8	10
.210	2.000	.504	2.0	9
.250	.375	.110	.4	11
.250	.500	.147	.6	10
.250	.625	.184	.7	10
.250	.750	.221	.8	9
.250	.875	.257	.9	9
.250	1.000	.294	1.0	9
.250	1.181	.347	1.2	8
.250	1.250	.368	1.3	8
.250	1.500	.441	1.5	8
.250	1.750	.515	1.8	8
.250	2.000	.588	2.0	8
.250	2.250	.662	2.3	7
.250	2.500	.735	2.5	7
.250	2.750	.809	2.8	7
.250	3.000	.882	3.0	7
.250	3.250	.956	3.3	7
.250	3.500	1.029	3.5	7
.250	4.000	1.176	4.0	7
.250	4.500	1.323	4.5	7
.250	5.000	1.470	5.0	7
.250	5.250	1.544	5.3	7
.250	5.500	1.617	5.5	7
.250	6.000	1.764	6.0	7
.250	6.500	1.911	6.5	7
.250	6.750	1.984	6.8	7
.250	7.000	2.058	7.0	7
.250	7.500	2.205	7.5	7
.250	8.000	2.352	8.0	7
.250	8.500	2.499	8.5	7
.250	9.000	2.646	9.0	7
.250	9.250	2.719	9.3	7
.250	10.000	2.940	10.0	7

(section continues on next page)

EXTRUDED RECTANGULAR BAR – Sharp Corners

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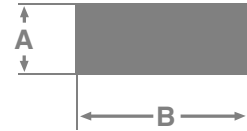


-A-	-B-	EST. WT/FT	CIRCLE SIZE	FACTOR
.250	10.875	3.197	10.9	7
.250	11.250	3.308	11.3	7
.250	12.000	3.528	12.0	7
.250	12.750	3.749	12.8	7
.250	13.000	3.822	13.0	7
.250	14.000	4.116	14.0	7
.260	2.125	.650	2.1	7
.270	4.000	1.270	4.0	7
.280	2.000	.659	2.0	7
.300	1.375	.484	1.4	7
.312	.438	.161	.5	9
.312	.500	.183	.6	9
.312	.562	.206	.6	8
.312	.625	.229	.7	8
.312	.750	.275	.8	8
.312	1.000	.367	1.0	7
.312	1.250	.459	1.3	7
.312	1.500	.550	1.5	7
.312	2.000	.734	2.0	6
.312	2.500	.917	2.5	6
.312	2.750	1.009	2.8	6
.312	3.000	1.101	3.0	6
.312	4.000	1.468	4.0	6
.312	5.000	1.835	5.0	6
.312	6.000	2.201	6.0	6
.312	6.500	2.385	6.5	6
.312	9.000	3.302	9.0	6
.335	2.000	.788	2.0	6
.335	2.500	.985	2.5	6
.335	3.000	1.182	3.0	6
.335	3.500	1.378	3.5	6
.335	4.000	1.576	4.0	6
.335	5.000	1.970	5.0	5
.335	6.000	2.364	6.7	5
.375	.438	.193	.6	8
.375	.500	.221	.6	8
.375	.625	.276	.7	7
.375	.750	.331	.8	7
.375	.875	.386	1.0	6
.375	1.000	.441	1.1	6

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EXTRUDED RECTANGULAR BAR – Sharp Corners

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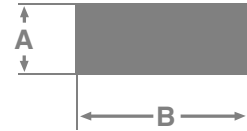


-A-	-B-	EST. WT/FT	CIRCLE SIZE	FACTOR
.375	1.250	.551	1.3	6
.375	1.500	.662	1.5	6
.375	1.594	.703	1.7	5
.375	1.750	.772	1.8	6
.375	2.000	.882	2.0	5
.375	2.250	.992	2.3	5
.375	2.500	1.103	2.5	5
.375	2.750	1.213	2.8	5
.375	3.000	1.323	3.0	5
.375	3.250	1.433	3.3	5
.375	3.500	1.544	3.5	5
.375	4.000	1.764	4.0	5
.375	4.250	1.874	4.3	5
.375	4.500	1.985	4.5	5
.375	5.000	2.205	5.0	5
.375	5.500	2.426	5.5	5
.375	6.000	2.646	6.0	5
.375	7.000	3.087	7.0	5
.375	8.000	3.528	8.0	5
.375	8.500	3.749	8.5	5
.375	10.000	4.410	10.0	5
.375	10.500	4.630	10.5	5
.375	11.000	4.851	11.0	5
.375	12.000	5.292	12.0	5
.375	13.250	5.843	13.3	5
.375	14.000	6.174	14.0	5
.375	16.000	7.056	16.0	5
.394	.472	.219	.6	8
.394	.591	.274	.7	7
.394	.787	.365	.9	6
.394	1.181	.547	1.2	6
.394	1.575	.730	1.6	5
.394	1.969	.912	2.0	5
.420	6.270	3.097	6.3	4
.420	8.000	3.911	8.0	4
.438	2.500	1.288	2.5	5
.500	.625	.368	.8	6
.500	.750	.441	.9	6
.500	1.000	.588	1.1	5
.500	1.125	.662	1.2	5

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EXTRUDED RECTANGULAR BAR – Sharp Corners

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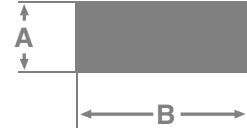


-A-	-B-	EST. WT/FT	CIRCLE SIZE	FACTOR
.500	1.250	.735	1.3	5
.500	1.375	.809	1.5	5
.500	1.500	.882	1.6	5
.500	1.625	.956	1.7	4
.500	1.750	1.029	1.8	4
.500	2.000	1.176	2.1	4
.500	2.250	1.323	2.3	4
.500	2.500	1.470	2.5	4
.500	2.750	1.617	2.8	4
.500	3.000	1.764	3.0	4
.500	3.250	1.911	3.3	4
.500	3.500	2.058	3.5	4
.500	3.750	2.205	3.8	4
.500	4.000	2.352	4.0	4
.500	4.500	2.646	4.5	4
.500	5.000	2.940	5.0	4
.500	5.500	3.234	5.5	4
.500	6.000	3.528	6.0	4
.500	6.500	3.822	6.5	4
.500	7.000	4.116	7.0	4
.500	7.500	4.410	7.5	4
.500	8.000	4.704	8.0	4
.500	8.500	4.998	8.5	4
.500	9.000	5.292	9.0	4
.500	10.000	5.880	10.0	4
.500	10.500	6.174	10.5	5
.500	12.000	7.056	12.0	3
.500	13.000	7.644	14.0	4
.500	14.000	8.232	14.0	4
.625	.750	.551	.9	5
.625	.875	.643	1.1	5
.625	1.000	.735	1.2	4
.625	1.250	.919	1.4	4
.625	1.500	1.103	1.6	4
.625	1.750	1.286	1.9	4
.625	2.000	1.470	2.1	4
.625	2.500	1.838	2.6	3
.625	2.750	2.022	2.8	3
.625	3.000	2.205	3.1	3
.625	3.750	2.756	3.8	3

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EXTRUDED RECTANGULAR BAR – Sharp Corners

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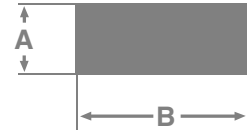
-A-	-B-	EST. WT/FT	CIRCLE SIZE	FACTOR
.625	4.000	2.940	4.1	3
.625	4.250	3.124	4.3	3
.625	4.500	3.308	4.5	3
.625	5.000	3.675	5.0	3
.625	5.500	4.043	5.5	3
.625	6.000	4.410	6.0	3
.625	8.000	5.880	8.0	3
.625	10.000	7.350	10.0	3
.625	12.000	8.820	12.0	3
.750	1.000	.882	1.3	4
.750	1.250	1.102	1.5	4
.750	1.500	1.323	1.7	3
.750	1.625	1.433	1.8	3
.750	1.750	1.544	1.9	3
.750	2.000	1.764	2.1	3
.750	2.250	1.985	2.4	3
.750	2.500	2.205	2.6	3
.750	2.750	2.426	2.8	3
.750	3.000	2.646	3.1	3
.750	3.250	2.867	3.3	3
.750	3.500	3.087	3.6	3
.750	4.000	3.528	4.2	3
.750	4.500	3.969	4.6	3
.750	5.000	4.410	5.1	3
.750	6.000	5.292	6.0	3
.750	6.500	5.733	6.5	2
.750	7.500	6.615	7.5	2
.750	8.000	7.056	8.0	2
.750	8.500	7.497	8.5	2
.750	10.000	8.820	10.0	2
.750	12.000	10.584	12.0	2
.750	13.250	11.686	13.3	2
.750	14.000	12.348	14.0	2
.875	1.000	1.029	1.3	4
.875	1.125	1.157	1.4	3
.875	1.250	1.287	1.5	3
.875	1.500	1.543	1.7	3
.875	1.750	1.801	2.0	3
.875	1.812	1.865	2.0	3
.875	2.000	2.058	2.2	3

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Sapa Industrial Extrusions

EXTRUDED RECTANGULAR BAR – Sharp Corners

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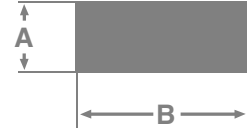


-A-	-B-	EST. WT/FT	CIRCLE SIZE	FACTOR
.875	3.000	3.087	3.1	3
.875	3.125	3.215	3.2	2
.875	4.750	4.888	4.8	2
.875	5.000	5.145	5.1	2
.875	6.000	6.174	6.1	2
.875	7.000	7.203	7.1	2
.875	7.500	7.717	7.6	2
.875	10.000	10.290	10.0	3
1.000	1.250	1.470	1.6	3
1.000	1.375	1.617	1.7	3
1.000	1.500	1.764	1.8	3
1.000	1.625	1.911	1.9	3
1.000	1.750	2.058	2.0	3
1.000	2.000	2.352	2.2	3
1.000	2.250	2.646	2.5	2
1.000	2.500	2.940	2.7	2
1.000	2.750	3.234	2.9	2
1.000	3.000	3.528	3.2	2
1.000	3.250	3.822	3.4	2
1.000	3.500	4.116	3.6	2
1.000	4.000	4.704	4.1	2
1.000	4.500	5.292	4.6	2
1.000	5.000	5.880	5.1	2
1.000	5.500	6.468	5.6	2
1.000	6.000	7.056	6.1	2
1.000	6.500	7.644	6.5	2
1.000	7.000	8.232	7.1	2
1.000	7.250	8.526	7.3	2
1.000	8.000	9.408	8.1	2
1.000	9.000	10.584	9.1	2
1.000	9.500	11.172	9.6	2
1.000	10.000	11.760	10.1	2
1.000	12.000	14.112	12.1	2
1.000	14.000	16.464	14.0	2
1.125	1.500	1.985	1.9	3
1.125	2.000	2.646	2.3	2
1.125	9.000	11.907	9.1	2
1.188	2.375	3.319	2.7	2
1.188	2.875	4.017	3.1	2
1.188	3.375	4.711	3.6	2

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EXTRUDED RECTANGULAR BAR – Sharp Corners

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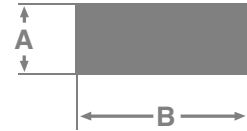
-A-	-B-	EST. WT/FT	CIRCLE SIZE	FACTOR
1.250	1.500	2.205	1.9	2
1.250	1.625	2.388	2.1	2
1.250	1.750	2.573	2.3	2
1.250	2.000	2.940	2.4	2
1.250	2.250	3.307	2.6	2
1.250	2.500	3.675	2.8	2
1.250	3.000	4.410	3.2	2
1.250	3.250	4.778	3.5	2
1.250	3.500	5.145	3.7	2
1.250	3.750	5.513	3.9	2
1.250	4.000	5.880	4.2	2
1.250	4.250	6.247	4.4	2
1.250	4.500	6.615	4.7	2
1.250	5.000	7.350	5.2	2
1.250	5.500	8.085	5.6	2
1.250	6.000	8.820	6.1	1
1.250	6.500	9.555	6.6	2
1.250	8.000	11.760	8.1	2
1.250	8.500	12.495	8.5	2
1.250	9.250	13.597	9.3	2
1.250	9.500	13.965	9.6	2
1.250	10.000	14.700	10.1	2
1.250	10.500	15.435	10.5	2
1.250	12.000	17.640	12.1	1
1.250	14.000	20.580	14.1	1
1.375	1.625	2.627	2.1	2
1.375	3.750	6.064	3.9	2
1.375	4.500	7.277	4.7	2
1.375	5.500	8.893	5.7	2
1.438	4.125	6.976	4.4	2
1.438	5.125	8.667	5.3	2
1.500	1.750	3.087	2.3	2
1.500	2.000	3.528	2.5	2
1.500	2.250	3.969	2.7	2
1.500	2.500	4.410	2.9	2
1.500	2.750	4.851	3.1	2
1.500	3.000	5.292	3.4	2
1.500	3.250	5.733	3.6	2
1.500	3.500	6.174	3.8	2
1.500	4.000	7.056	4.3	2

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Sapa Industrial Extrusions

EXTRUDED RECTANGULAR BAR – Sharp Corners

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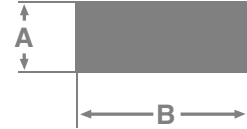
-A-	-B-	EST. WT/FT	CIRCLE SIZE	FACTOR
1.500	4.500	7.938	4.7	2
1.500	4.750	8.379	5.0	1
1.500	5.000	8.820	5.2	1
1.500	5.468	9.646	5.7	1
1.500	5.500	9.702	5.7	1
1.500	6.000	10.584	6.2	1
1.500	6.500	11.466	6.8	1
1.500	7.000	12.348	7.2	1
1.500	7.500	13.230	7.6	1
1.500	8.000	14.112	8.2	1
1.500	8.500	14.994	8.6	1
1.500	9.000	15.876	9.1	1
1.500	10.000	17.640	10.1	1
1.500	11.250	19.643	11.4	1
1.500	12.000	21.168	12.1	1
1.500	14.000	24.696	14.1	1
1.625	2.000	3.822	2.5	2
1.625	6.468	12.361	6.7	1
1.750	2.000	4.116	2.7	2
1.750	2.500	5.145	3.1	2
1.750	2.750	5.660	3.3	2
1.750	3.000	6.174	3.5	2
1.750	3.500	7.203	3.9	1
1.750	3.750	7.717	4.1	1
1.750	4.000	8.232	4.4	1
1.750	4.500	9.261	4.8	1
1.750	5.500	11.319	5.8	1
1.750	6.000	12.348	6.3	1
1.750	8.000	16.464	8.1	1
1.750	9.000	18.522	9.1	1
1.750	13.250	27.269	13.3	1
2.000	2.250	5.292	3.0	2
2.000	2.500	5.880	3.2	2
2.000	2.750	6.468	3.2	1
2.000	3.000	7.056	3.6	1
2.000	3.250	7.644	3.8	1
2.000	3.500	8.232	4.0	1
2.000	4.000	9.408	4.5	1
2.000	4.500	10.584	4.9	1
2.000	5.000	11.760	5.4	1

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Sapa Industrial Extrusions

EXTRUDED RECTANGULAR BAR – Sharp Corners

Sapa TDA rectangular bar is available with dimensions as small as
 A = .060", B = .060" in 6061 and 6063 alloys. These shapes are available
 as special inquiry in 2024 and 7075 alloys in maximum weight of 1/2 pound per foot.



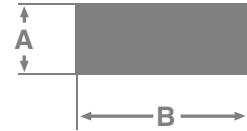
-A-	-B-	EST. WT/FT	CIRCLE SIZE	FACTOR
2.000	5.500	12.936	5.9	1
2.000	6.000	14.100	6.3	1
2.000	6.250	14.700	6.6	1
2.000	6.500	15.288	6.8	1
2.000	7.000	16.464	7.3	1
2.000	8.000	18.816	8.2	1
2.000	8.500	19.992	8.7	1
2.000	9.000	21.168	9.2	1
2.000	10.000	23.520	10.2	1
2.000	12.000	28.224	12.2	1
2.000	14.000	32.928	14.1	1
2.250	2.500	6.615	3.4	1
2.250	2.750	7.276	3.6	1
2.250	3.500	9.261	4.2	1
2.250	3.750	9.923	4.4	1
2.250	4.000	10.584	4.6	1
2.250	4.500	11.907	5.0	1
2.250	5.000	13.230	5.5	1
2.250	5.500	14.553	5.9	1
2.250	10.000	26.460	10.2	1
2.250	12.000	31.752	12.2	1
2.500	2.625	7.717	3.6	1
2.500	2.750	8.085	3.7	1
2.500	3.000	8.820	3.4	1
2.500	3.250	9.555	4.1	1
2.500	3.500	10.290	4.3	1
2.500	4.000	11.760	4.7	1
2.500	4.500	13.230	5.1	1
2.500	5.000	14.700	5.6	1
2.500	5.500	16.170	6.0	1
2.500	6.000	17.640	6.5	1
2.500	7.500	22.050	7.9	1
2.500	12.000	35.280	12.2	1
2.500	14.500	42.630	14.7	1
2.625	4.000	12.348	4.8	1
2.750	3.000	9.702	4.1	1
2.750	3.250	10.511	4.3	1
2.750	3.500	11.319	4.4	1
2.750	4.000	12.936	4.9	1
2.750	4.250	13.744	5.1	1

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Sapa Industrial Extrusions

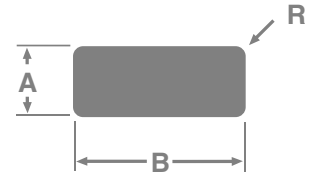
EXTRUDED RECTANGULAR BAR – Sharp Corners

Sapa TDA rectangular bar is available with dimensions as small as A = .060", B = .060" in 6061 and 6063 alloys. These shapes are available as special inquiry in 2024 and 7075 alloys in maximum weight of 1/2 pound per foot.



-A-	-B-	EST. WT/FT	CIRCLE SIZE	FACTOR
2.750	6.468	20.918	7.0	1
2.750	12.000	38.808	12.3	1
3.000	3.500	12.348	4.6	1
3.000	4.000	14.112	5.0	1
3.000	4.500	15.876	5.4	1
3.000	5.000	17.640	5.8	1
3.000	5.500	19.404	6.3	1
3.000	6.000	21.168	6.7	1
3.000	7.000	24.696	7.6	1
3.000	8.000	28.224	8.5	1
3.000	10.000	35.280	10.4	1
3.000	12.000	42.336	12.3	1
3.500	3.625	14.920	5.0	1
3.500	4.000	16.464	5.3	1
3.500	4.500	18.522	5.7	1
3.500	5.000	20.580	6.1	1
3.500	5.250	21.609	6.3	1
3.500	5.500	22.638	6.5	1
3.500	6.000	24.696	6.9	1
3.500	8.000	32.928	8.8	1
3.500	10.000	41.160	10.6	1
4.000	4.500	21.168	6.0	1
4.000	5.000	23.520	6.4	1
4.000	6.000	28.224	7.2	1
4.000	6.250	29.400	7.4	1
4.500	5.000	26.460	6.7	1
5.000	6.000	35.280	7.8	1
6.000	6.500	45.864	8.9	1

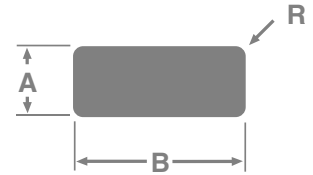
**EXTRUDED RECTANGULAR BAR –
Rounded Corners**



-A-	-B-	-R-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
.125	.500	.031	.073	.5	17	6178FZ
.125	.625	.062	.088	.6	16	6178CX
.125	.750	.031	.109	.8	16	6178EN
.125	.750	.062	.106	.8	15	514302
.125	1.000	.031	.146	1.0	15	6178H
.125	1.000	.062	.143	1.0	15	6178I
.125	1.250	.062	.180	1.3	15	6178CY
.125	1.500	.062	.217	1.5	14	6178HY
.125	2.000	.031	.293	2.0	14	6178EO
.125	2.000	.062	.290	2.0	14	525609
.125	2.500	.031	.367	2.5	14	6178CZ
.125	4.000	.062	.584	4.0	14	501031
.188	.750	.031	.165	.8	11	6178DZ
.188	1.000	.062	.217	1.0	10	6178Q
.188	1.000	.094	.210	1.0	11	514300
.188	1.500	.094	.319	1.5	10	514301
.188	2.000	.094	.433	2.0	10	6178GB
.219	4.000	.109	1.018	4.0	8	6178GC
.250	.750	.125	.205	.8	9	6178EH
.250	1.000	.062	.290	1.0	8	6178DU
.250	1.000	.125	.278	1.0	8	6178GE
.250	1.500	.062	.437	1.5	8	6178EU
.250	1.500	.125	.425	1.5	8	6178GG
.250	1.750	.062	.511	1.8	8	6178EV
.250	2.000	.062	.584	2.0	8	6178EW
.250	2.000	.125	.572	2.0	7	6178GH
.250	2.250	.125	.646	2.3	7	505425
.250	2.500	.062	.731	2.5	7	6178EX
.250	2.500	.125	.719	2.5	7	6178GI
.250	3.000	.062	.878	3.0	7	6178EY
.250	3.000	.125	.866	3.0	7	6178GJ
.250	4.000	.062	1.172	4.0	7	6178DC
.250	4.000	.125	1.160	4.0	7	6178GL
.250	4.500	.125	1.307	4.5	7	6178JY
.250	5.000	.062	1.466	5.0	7	6178DD

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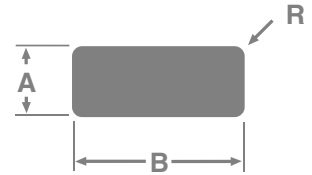
**EXTRUDED RECTANGULAR BAR –
Rounded Corners**



-A-	-B-	-R-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
.250	5.000	.125	1.454	5.0	7	6178GM
.250	6.000	.062	1.760	6.0	7	6178DE
.250	6.000	.125	1.748	6.0	7	6178GN
.250	6.500	.125	1.895	6.5	7	6178JZ
.250	7.000	.125	2.042	7.0	7	6178GO
.250	8.000	.062	2.348	8.0	7	6178FB
.250	8.000	.125	2.336	8.0	7	6178GP
.281	4.000	.140	1.302	4.0	6	6178GW
.375	1.000	.187	.406	1.0	6	500779
.375	1.250	.188	.516	1.3	6	6178Z
.375	2.000	.062	.878	2.0	5	6178FF
.375	2.000	.187	.847	2.0	5	6178HA
.375	2.500	.187	1.067	2.5	5	6178HB
.375	3.000	.062	1.319	3.0	5	6178FI
.375	3.000	.187	1.288	3.0	5	6178HC
.375	4.000	.062	1.760	4.0	5	6178FK
.375	4.000	.187	1.729	4.0	5	6178HD
.375	5.000	.062	2.201	5.0	5	6178FL
.375	5.000	.188	2.170	5.0	5	6178HW
.375	6.000	.062	2.642	6.0	5	6178FM
.375	6.000	.187	2.611	6.0	5	6178HX
.375	6.000	.188	2.611	6.0	5	507786
.375	10.000	.062	4.406	10.0	5	6178JL
.500	1.500	.062	.878	1.6	4	6178ED
.500	2.000	.062	1.172	2.0	4	6178FO
.500	2.000	.250	1.113	2.0	4	6178AB
.500	3.000	.062	1.760	3.0	4	6178FP
.500	3.000	.250	1.701	3.0	4	6178HE
.500	4.000	.062	2.348	4.0	4	6178FR
.500	4.000	.250	2.289	4.0	4	6178HF
.500	5.000	.062	2.936	5.0	4	6178FT
.500	5.000	.250	2.877	5.0	4	6178HG
.500	6.000	.062	3.524	6.0	4	6178FU
.500	6.000	.250	3.465	6.0	4	6178HH
.500	8.000	.062	4.700	8.0	4	6178FV

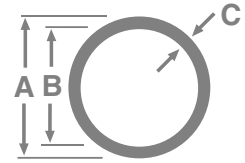
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**EXTRUDED RECTANGULAR BAR –
Rounded Corners**



-A-	-B-	-R-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
.250	5.000	.125	1.454	5.0	7	6178GM
.500	8.000	.250	4.641	8.0	4	500778
.500	10.000	.062	5.876	10.0	4	6178FW
.625	6.000	.312	4.312	6.0	3	501591
.750	3.000	.375	2.504	3.0	3	6178BC
.750	4.000	.375	3.386	4.0	3	6178JN
.750	5.000	.062	4.406	5.0	3	6178HO
.750	5.000	.375	4.268	5.0	2	6178LG
1.000	8.000	.250	9.345	8.0	2	6178AT
1.000	12.000	.188	14.076	12.0	2	6178KD

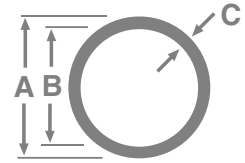
PIPE – Scheduled Seamless



PIPE SIZE DESIGNATION	SCHEDULE NUMBER	-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT
1.000	5	1.315	1.185	.065	.300
1.000	10	1.315	1.097	.109	.486
1.000	40	1.315	1.049	.133	.581
1.000	80	1.315	.957	.179	.751
1.250	5	1.660	1.530	.065	.383
1.250	10	1.660	1.442	.109	.625
1.250	40	1.660	1.380	.140	.786
1.250	80	1.660	1.278	.191	1.037
1.250	160	1.660	1.160	.250	1.302
1.500	5	1.900	1.770	.065	.441
1.500	10	1.900	1.682	.109	.721
1.500	40	1.900	1.610	.145	.940
1.500	80	1.900	1.500	.200	1.256
1.500	160	1.900	1.338	.281	1.681
2.000	5	2.375	2.245	.065	.555
2.000	10	2.375	2.157	.109	.913
2.000	40	2.375	2.067	.154	1.264
2.000	80	2.375	1.939	.218	1.737
2.000	160	2.375	1.687	.344	2.581
2.500	5	2.875	2.709	.083	.856
2.500	10	2.875	2.635	.120	1.221
2.500	40	2.875	2.469	.203	2.004
2.500	80	2.875	2.323	.276	2.650
2.500	160	2.875	2.125	.375	3.464
3.000	5	3.500	3.334	.083	1.048
3.000	10	3.500	3.260	.120	1.498
3.000	40	3.500	3.068	.216	2.621
3.000	80	3.500	2.900	.300	3.547
3.000	160	3.500	2.624	.438	4.955
3.500	5	4.000	3.834	.083	1.201

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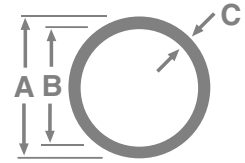
PIPE – Scheduled Seamless



PIPE SIZE DESIGNATION	SCHEDULE NUMBER	-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT
3.500	10	4.000	3.760	.120	1.720
3.500	40	4.000	3.548	.226	3.151
3.500	80	4.000	3.364	.318	4.326
4.000	5	4.500	4.334	.083	1.354
4.000	10	4.500	4.260	.120	1.942
4.000	40	4.500	4.026	.237	3.733
4.000	80	4.500	3.826	.337	5.183
4.000	120	4.500	3.624	.438	6.573
4.000	160	4.500	3.438	.531	7.945
5.000	5	5.563	5.345	.109	2.196
5.000	10	5.563	5.295	.134	2.688
5.000	40	5.563	5.047	.258	5.057
5.000	80	5.563	4.813	.375	7.188
5.000	120	5.563	4.563	.500	9.353
5.000	160	5.563	4.313	.625	11.402
6.000	5	6.625	6.407	.109	2.625
6.000	10	6.625	6.357	.134	3.214
6.000	40	6.625	6.065	.280	6.564
6.000	80	6.625	5.761	.432	9.884
6.000	120	6.625	5.501	.562	12.589
6.000	160	6.625	5.187	.718	15.668
8.000	5	8.625	8.407	.109	3.429
8.000	10	8.625	8.329	.148	4.635
8.000	20	8.625	8.125	.250	7.736
8.000	30	8.625	8.071	.277	8.542
8.000	40	8.625	7.981	.322	9.878
8.000	60	8.625	7.813	.406	12.328
8.000	80	8.625	7.625	.500	15.009
8.000	100	8.625	7.437	.594	17.624
8.000	120	8.625	7.187	.719	21.001

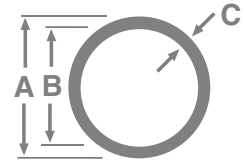
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PIPE – Scheduled Seamless



PIPE SIZE DESIGNATION	SCHEDULE NUMBER	-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT
8.000	140	8.625	7.001	.812	23.433
8.000	160	8.625	6.813	.906	25.837
10.000	10	10.750	10.420	.165	6.453
10.000	20	10.750	10.250	.250	9.698
10.000	40	10.750	10.020	.365	14.004
10.000	60	10.750	9.750	.500	18.934
10.000	80	10.750	9.562	.593	22.252
12.000	10	12.750	12.390	.180	8.359
12.000	20	12.750	12.250	.250	11.546
12.000	30	12.750	12.090	.330	15.142
12.000	40	12.750	11.938	.406	18.516
12.000	60	12.750	11.626	.562	25.306
12.000	80	12.750	11.374	.687	30.659

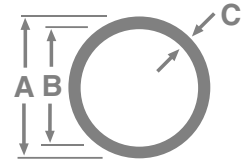
PIPE – Structural



PIPE SIZE DESIGNATION	SCHEDULE NUMBER	-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT
.500	40	.840	.622	.109	.294
.500	80	.840	.546	.147	.376
.750	10	1.050	.884	.083	.297
.750	40	1.050	.824	.113	.392
.750	80	1.050	.742	.154	.509
.750	160	1.050	.612	.219	.672
1.000	5	1.315	1.185	.065	.300
1.000	10	1.315	1.097	.109	.486
1.000	40	1.315	1.049	.133	.581
1.000	80	1.315	.957	.179	.751
1.250	5	1.660	1.530	.065	.383
1.250	10	1.660	1.442	.109	.625
1.250	40	1.660	1.380	.140	.786
1.250	80	1.660	1.278	.191	1.037
1.250	160	1.660	1.160	.250	1.302
1.500	5	1.900	1.770	.065	.441
1.500	10	1.900	1.682	.109	.721
1.500	40	1.900	1.610	.145	.940
1.500	80	1.900	1.500	.200	1.256
1.500	160	1.900	1.338	.281	1.681
2.000	5	2.375	2.245	.065	.555
2.000	10	2.375	2.157	.109	.913
2.000	40	2.375	2.067	.154	1.264
2.000	80	2.375	1.939	.218	1.737
2.000	160	2.375	1.687	.344	2.581
2.500	5	2.875	2.709	.083	.856
2.500	10	2.875	2.635	.120	1.221
2.500	40	2.875	2.469	.203	2.004
2.500	80	2.875	2.323	.276	2.650
2.500	160	2.875	2.125	.375	3.464
3.000	5	3.500	3.334	.083	1.048
3.000	10	3.500	3.260	.120	1.498
3.000	40	3.500	3.068	.216	2.621
3.000	80	3.500	2.900	.300	3.547
3.000	160	3.500	2.624	.438	4.955

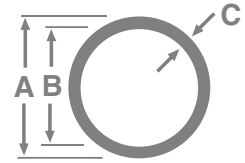
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PIPE – Structural



PIPE SIZE DESIGNATION	SCHEDULE NUMBER	-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT
3.500	5	4.000	3.834	.083	1.201
3.500	10	4.000	3.760	.120	1.720
3.500	40	4.000	3.548	.226	3.151
3.500	80	4.000	3.364	.318	4.326
4.000	5	4.500	4.334	.083	1.354
4.000	10	4.500	4.260	.120	1.942
4.000	40	4.500	4.026	.237	3.733
4.000	80	4.500	3.826	.337	5.183
4.000	120	4.500	3.624	.438	6.573
4.000	160	4.500	3.438	.531	7.945
5.000	5	5.563	5.345	.109	2.196
5.000	10	5.563	5.295	.134	2.688
5.000	40	5.563	5.047	.258	5.057
5.000	80	5.563	4.813	.375	7.188
5.000	120	5.563	4.563	.500	9.353
5.000	160	5.563	4.313	.625	11.402
6.000	5	6.625	6.407	.109	2.625
6.000	10	6.625	6.357	.134	3.214
6.000	40	6.625	6.065	.280	6.564
6.000	80	6.625	5.761	.432	9.884
6.000	120	6.625	5.501	.562	12.589
6.000	160	6.625	5.187	.718	15.688
8.000	10	8.625	8.329	.148	4.635
8.000	20	8.625	8.125	.250	7.736
8.000	40	8.625	7.981	.322	9.878
8.000	60	8.625	7.813	.406	12.328
8.000	80	8.625	7.625	.500	15.009

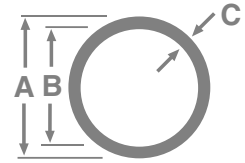
TUBING – Round, Seamless



-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT
1.130	1.000	.065	.255
1.250	1.124	.063	.276
1.250	1.120	.065	.285
1.250	1.100	.075	.326
1.250	1.084	.083	.358
1.250	1.082	.084	.362
1.250	1.064	.093	.397
1.250	1.050	.100	.425
1.250	1.040	.105	.445
1.250	1.000	.125	.520
1.250	.750	.250	.923
1.312	1.062	.125	.548
1.375	1.251	.062	.301
1.375	1.209	.083	.396
1.375	1.185	.095	.445
1.375	1.175	.100	.472
1.375	1.165	.105	.493
1.375	1.145	.115	.535
1.375	1.125	.125	.577
1.375	1.065	.155	.699
1.375	1.063	.156	.703
1.375	1.039	.168	.749
1.375	.999	.188	.824
1.375	.875	.250	1.040
1.500	1.400	.050	.268
1.500	1.376	.062	.332
1.500	1.370	.065	.345
1.500	1.334	.083	.434
1.500	1.312	.094	.488
1.500	1.310	.095	.493
1.500	1.280	.110	.564
1.500	1.276	.112	.574
1.500	1.250	.125	.635
1.500	1.220	.140	.703
1.500	1.200	.150	.748

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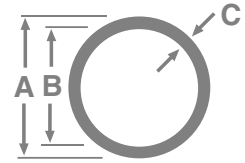
TUBING – Round, Seamless



-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT
1.500	1.188	.156	.775
1.500	1.325	.175	.856
1.500	1.126	.187	.907
1.500	1.124	.188	.911
1.500	1.000	.250	1.155
1.500	.750	.375	1.559
1.625	1.441	.092	.521
1.625	1.405	.110	.616
1.625	1.375	.125	.693
1.625	1.275	.175	.937
1.625	1.251	.187	.994
1.625	1.249	.188	.998
1.625	1.125	.250	1.270
1.625	1.001	.312	1.513
1.649	1.273	.188	1.015
1.720	1.220	.250	1.358
1.750	1.620	.065	.405
1.750	1.532	.109	.661
1.750	1.500	.125	.750
1.750	1.450	.150	.887
1.750	1.438	.156	.918
1.750	1.374	.188	1.082
1.750	1.250	.250	1.385
1.750	1.126	.312	1.658
1.750	1.000	.375	1.905
1.750	.874	.438	2.122
1.750	1.250	.500	2.310
1.840	1.620	.110	.703
1.875	1.709	.083	.549
1.875	1.685	.095	.624
1.875	1.635	.120	.779
1.875	1.625	.125	.808
1.875	1.501	.187	1.167
1.875	1.499	.188	1.167
1.875	1.375	.250	1.501

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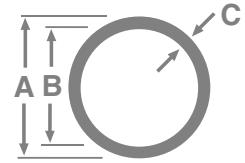
TUBING – Round, Seamless



-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT
1.875	1.313	.281	1.655
1.875	1.311	.282	1.659
1.875	1.251	.312	1.804
1.875	1.125	.375	2.078
1.875	1.063	.406	2.204
1.875	.875	.500	2.540
1.900	1.620	.140	.910
1.900	1.592	.154	.996
1.900	1.400	.250	1.524
2.000	1.884	.058	.416
2.000	1.870	.065	.465
2.000	1.866	.067	.479
2.000	1.834	.083	.581
2.000	1.810	.095	.668
2.000	1.800	.100	.702
2.000	1.750	.125	.866
2.000	1.720	.140	.962
2.000	1.710	.145	.994
2.000	1.692	.154	1.050
2.000	1.624	.188	1.258
2.000	1.610	.195	1.299
2.000	1.500	.250	1.617
2.000	1.450	.275	1.753
2.000	1.376	.312	1.949
2.000	1.320	.340	2.085
2.000	1.300	.350	2.134
2.000	1.274	.363	2.196
2.000	1.250	.375	2.251
2.000	1.124	.438	2.528
2.000	1.000	.500	2.771
2.000	.750	.625	3.175
2.060	1.560	.250	1.672
2.060	1.500	.280	1.841
2.060	1.392	.334	2.130
2.062	1.562	.250	1.673

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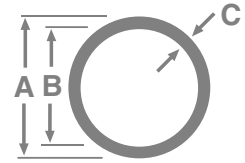
TUBING – Round, Seamless



-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT
2.062	1.374	.344	2.184
2.062	1.062	.500	2.886
2.100	1.750	.175	1.245
2.125	1.995	.065	.495
2.125	1.885	.120	.889
2.125	1.875	.125	.923
2.125	1.813	.156	1.135
2.125	1.749	.188	1.345
2.125	1.679	.223	1.568
2.125	1.625	.250	1.732
2.125	1.501	.312	2.090
2.125	1.375	.375	2.425
2.125	1.055	.535	3.142
2.165	1.377	.394	2.578
2.188	1.500	.344	2.344
2.225	1.475	.375	2.563
2.243	1.719	.262	1.918
2.244	2.000	.122	.956
2.250	2.125	.062	.501
2.250	2.120	.065	.524
2.250	2.084	.083	.664
2.250	2.060	.095	.756
2.250	2.010	.120	.944
2.250	2.000	.125	.981
2.250	1.874	.188	1.429
2.250	1.750	.250	1.847
2.250	1.626	.312	2.237
2.250	1.500	.375	2.598
2.250	1.438	.406	2.766
2.250	1.428	.411	2.793
2.250	1.374	.438	2.932
2.250	1.314	.468	3.085
2.250	1.300	.475	3.115
2.250	1.250	.500	3.233
2.250	1.156	.547	3.441

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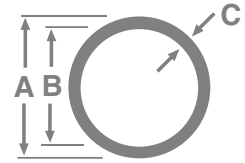
TUBING – Round, Seamless



-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT
2.250	1.126	.562	3.504
2.250	1.000	.625	3.753
2.300	2.170	.065	.536
2.300	2.080	.110	.890
2.310	1.310	.500	3.343
2.312	1.800	.256	1.945
2.312	1.752	.280	2.102
2.312	1.750	.281	2.109
2.312	1.562	.375	2.684
2.312	1.518	.397	2.808
2.312	1.500	.406	2.859
2.312	1.438	.437	3.027
2.312	1.312	.500	3.347
2.375	2.125	.125	1.039
2.375	2.095	.140	1.156
2.375	1.999	.188	1.519
2.375	1.875	.250	1.963
2.375	1.813	.281	2.174
2.375	1.749	.313	2.360
2.375	1.625	.375	2.771
2.375	1.445	.465	3.282
2.375	1.375	.500	3.464
2.375	1.251	.562	3.764
2.375	1.125	.625	4.041
2.375	1.015	.680	4.258
2.438	1.500	.469	3.412
2.438	1.312	.563	3.900
2.500	2.370	.065	.584
2.500	2.334	.083	.741
2.500	2.310	.095	.844
2.500	2.300	.100	.887
2.500	2.260	.120	1.055
2.500	2.250	.125	1.097
2.500	2.188	.156	1.351
2.500	2.124	.188	1.602

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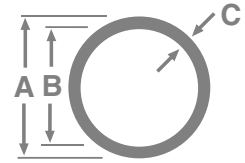
TUBING – Round, Seamless



-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT
2.500	2.062	.219	1.844
2.500	2.000	.250	2.078
2.500	1.876	.312	2.526
2.500	1.750	.375	2.944
2.500	1.624	.438	3.337
2.500	1.620	.440	3.349
2.500	1.450	.525	3.830
2.500	1.376	.562	4.024
2.500	1.280	.610	4.259
2.500	1.250	.625	4.330
2.500	1.124	.688	4.605
2.500	1.062	.719	4.731
2.500	1.000	.750	4.849
2.500	.944	.778	4.950
2.510	2.260	.125	1.124
2.562	1.562	.500	3.809
2.562	1.500	.531	3.984
2.562	1.250	.656	4.619
2.625	2.323	.151	1.381
2.625	2.313	.156	1.423
2.625	2.187	.219	1.946
2.625	2.125	.250	2.193
2.625	2.007	.309	2.644
2.625	1.875	.375	3.117
2.625	1.625	.500	3.925
2.625	1.501	.562	4.283
2.625	1.375	.625	4.618
2.625	1.249	.688	4.924
2.687	1.313	.687	5.076
2.687	1.281	.703	5.152
2.750	2.570	.090	.884
2.750	2.500	.125	1.212
2.750	2.374	.188	1.779
2.750	2.314	.218	2.039
2.750	2.250	.250	2.308

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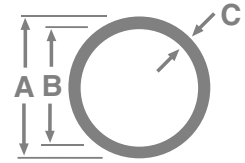
TUBING – Round, Seamless



-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT
2.750	2.126	.312	2.810
2.750	2.000	.375	3.290
2.750	1.874	.438	3.741
2.750	1.812	.469	3.953
2.750	1.750	.500	4.156
2.750	1.626	.562	4.546
2.750	1.500	.625	4.906
2.750	1.374	.688	5.240
2.750	1.250	.750	5.541
2.750	1.000	.875	6.061
2.762	1.366	.692	5.292
2.875	2.499	.188	1.866
2.875	2.375	.250	2.425
2.875	2.313	.281	2.693
2.875	2.251	.312	2.954
2.875	2.187	.344	3.218
2.875	1.875	.500	4.388
2.875	1.825	.525	4.558
2.875	1.375	.750	5.888
2.875	1.313	.781	6.041
3.000	2.834	.083	.895
3.000	2.810	.095	1.020
3.000	2.760	.120	1.277
3.000	2.750	.125	1.328
3.000	2.680	.160	1.679
3.000	2.646	.177	1.846
3.000	2.640	.180	1.875
3.000	2.624	.188	1.944
3.000	2.562	.219	2.251
3.000	2.500	.250	2.540
3.000	2.376	.312	3.099
3.000	2.374	.313	3.107
3.000	2.300	.350	3.427
3.000	2.250	.375	3.637
3.000	2.126	.437	4.138

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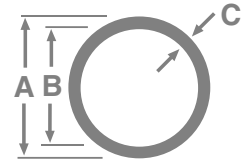
TUBING – Round, Seamless



-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT
3.000	2.124	.438	4.226
3.000	2.100	.450	4.239
3.000	2.070	.465	4.355
3.000	2.000	.500	4.618
3.000	1.950	.525	4.800
3.000	1.875	.562	5.062
3.000	1.780	.610	5.386
3.000	1.750	.625	5.484
3.000	1.500	.750	6.234
3.000	1.376	.812	6.563
3.000	1.000	1.000	7.389
3.125	2.875	.125	1.385
3.125	2.749	.188	2.040
3.125	2.625	.250	2.655
3.188	1.876	.656	6.137
3.250	3.000	.125	1.443
3.250	2.812	.219	2.452
3.250	2.750	.250	2.827
3.250	2.626	.312	3.387
3.250	2.500	.375	3.983
3.250	2.250	.500	5.079
3.250	2.933	.563	5.589
3.250	2.000	.625	6.061
3.250	1.874	.688	6.512
3.250	1.750	.750	6.928
3.250	1.500	.875	7.677
3.250	1.374	.938	8.012
3.250	1.250	1.000	8.312
3.250	1.000	1.125	8.832
3.312	3.028	.142	1.663
3.312	2.500	.406	4.359
3.375	3.001	.187	2.209
3.375	2.999	.188	2.209
3.375	2.875	.250	2.886
3.375	2.625	.375	4.156

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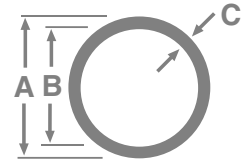
TUBING – Round, Seamless



-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT
3.375	2.499	.438	4.752
3.375	2.249	.563	5.849
3.375	2.093	.641	6.474
3.375	1.875	.750	7.274
3.438	1.626	.906	8.475
3.438	1.624	.907	8.475
3.500	3.250	.125	1.558
3.500	3.192	.154	1.904
3.500	3.188	.156	1.927
3.500	3.124	.188	2.300
3.500	3.000	.250	3.002
3.500	2.876	.312	3.680
3.500	2.820	.340	3.969
3.500	2.750	.375	4.330
3.500	2.500	.500	5.541
3.500	2.376	.562	6.100
3.500	2.300	.600	6.428
3.500	2.292	.604	6.462
3.500	2.250	.625	6.639
3.500	2.000	.750	7.619
3.500	1.876	.812	8.064
3.500	1.750	.875	8.485
3.500	1.500	1.000	9.236
3.500	1.000	1.250	10.390
3.562	2.376	.593	6.505
3.565	3.065	.250	3.062
3.625	3.187	.219	2.756
3.625	3.125	.250	3.118
3.625	3.001	.312	3.818
3.625	2.875	.375	4.503
3.625	2.325	.650	7.144
3.625	1.501	1.062	10.058
3.750	3.560	.095	1.283
3.750	3.500	.125	1.675
3.750	3.374	.188	2.474

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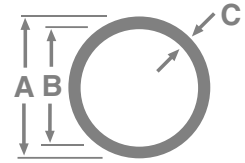
TUBING – Round, Seamless



-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT
3.750	3.250	.250	3.233
3.750	3.126	.312	3.963
3.750	3.000	.375	4.676
3.750	2.750	.500	6.003
3.750	2.626	.562	6.620
3.750	2.500	.625	7.216
3.750	2.374	.688	7.783
3.750	2.300	.725	8.101
3.750	2.250	.750	8.312
3.750	2.000	.875	9.294
3.750	1.750	1.000	10.160
3.750	1.500	1.125	10.910
3.750	1.000	1.375	12.065
3.875	3.375	.250	3.348
3.875	3.125	.375	4.849
3.875	2.999	.438	5.555
3.875	2.875	.500	6.234
3.875	1.751	1.062	11.040
4.000	3.750	.125	1.789
4.000	3.688	.156	2.216
4.000	3.624	.188	2.647
4.000	3.564	.218	3.046
4.000	3.562	.219	3.046
4.000	3.500	.250	3.463
4.000	3.376	.312	4.257
4.000	3.250	.375	5.022
4.000	3.000	.500	6.464
4.000	2.876	.562	7.138
4.000	2.750	.625	7.792
4.000	2.500	.750	9.005
4.000	2.364	.818	9.616
4.000	2.000	1.000	11.084
4.000	1.500	1.250	12.700
4.000	1.000	1.500	13.854
4.050	3.650	.200	2.845

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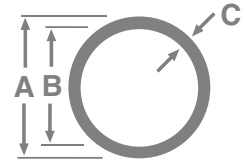
TUBING – Round, Seamless



-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT
4.125	3.625	.250	3.579
4.125	3.501	.312	4.395
4.125	3.375	.375	5.194
4.125	3.125	.500	6.696
4.125	3.001	.562	7.398
4.125	2.625	.750	9.352
4.125	2.501	.812	9.938
4.134	3.702	.216	3.127
4.250	4.000	.125	1.905
4.250	3.750	.250	3.695
4.250	3.500	.375	5.368
4.250	3.374	.438	6.168
4.250	3.250	.500	6.927
4.250	3.000	.625	8.370
4.250	2.750	.750	9.698
4.250	2.500	.875	10.910
4.250	2.250	1.000	12.007
4.315	2.625	.845	10.832
4.375	4.125	.125	1.963
4.375	3.999	.188	2.908
4.375	3.875	.250	3.810
4.375	3.499	.438	6.371
4.375	3.375	.500	7.158
4.375	2.999	.688	9.372
4.375	2.499	.938	11.911
4.375	1.751	1.312	14.847
4.438	3.188	.625	8.805
4.500	4.250	.125	2.020
4.500	4.202	.149	2.396
4.500	4.190	.155	2.488
4.500	4.124	.188	2.987
4.500	4.032	.234	3.688
4.500	4.000	.250	3.925
4.500	3.906	.297	4.612
4.500	3.876	.312	4.827

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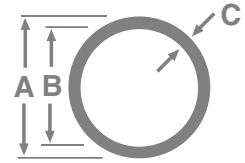
TUBING – Round, Seamless



-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT
4.500	3.750	.375	5.714
4.500	3.500	.500	7.390
4.500	3.376	.562	8.176
4.500	3.250	.625	8.947
4.500	3.000	.750	10.390
4.500	2.876	.812	11.064
4.500	2.750	.875	11.718
4.500	2.500	1.000	12.931
4.500	2.376	1.062	13.489
4.500	1.250	1.625	17.260
4.625	4.375	.125	2.078
4.750	4.506	.122	2.086
4.750	4.500	.125	2.136
4.750	4.438	.156	2.647
4.750	4.374	.188	3.168
4.750	4.250	.250	4.156
4.750	4.124	.313	5.131
4.750	4.000	.375	6.061
4.750	3.750	.500	7.850
4.750	3.250	.750	11.083
4.750	3.000	.875	12.526
4.750	2.750	1.000	13.854
4.750	2.500	1.125	15.066
4.750	2.250	1.250	16.164
4.750	2.000	1.375	17.144
4.750	2.374	1.188	15.634
5.000	4.688	.156	2.792
5.000	4.624	.188	3.334
5.000	4.568	.216	3.778
5.000	4.562	.219	3.868
5.000	4.506	.247	4.337
5.000	4.500	.250	4.388
5.000	4.376	.312	5.404
5.000	4.250	.375	6.407
5.000	4.124	.438	7.382

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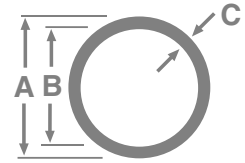
TUBING – Round, Seamless



-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT
5.000	4.000	.500	8.312
5.000	3.876	.562	9.222
5.000	3.750	.625	10.102
5.000	3.500	.750	11.776
5.000	3.250	.875	13.335
5.000	3.000	1.000	14.778
5.000	2.750	1.125	16.105
5.000	2.500	1.250	17.318
5.000	2.000	1.500	19.396
5.250	4.874	.188	3.516
5.250	4.750	.250	4.618
5.250	4.500	.375	6.754
5.250	4.250	.500	8.774
5.250	4.000	.625	10.679
5.250	3.750	.750	12.469
5.250	3.500	.875	14.143
5.250	3.250	1.000	15.701
5.250	3.000	1.125	17.144
5.250	2.374	1.438	20.253
5.250	2.000	1.625	21.762
5.375	4.999	.188	3.603
5.375	4.751	.312	5.836
5.375	4.499	.438	7.990
5.375	3.376	1.000	16.163
5.376	5.000	.188	3.603
5.500	5.188	.156	3.080
5.500	5.124	.188	3.689
5.500	5.070	.215	4.198
5.500	5.062	.219	4.272
5.500	5.000	.250	4.849
5.500	4.876	.312	5.980
5.500	4.750	.375	7.100
5.500	4.500	.500	9.236
5.500	4.250	.625	11.257
5.500	4.000	.750	13.161

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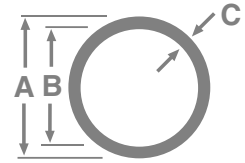
TUBING – Round, Seamless



-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT
5.500	3.750	.875	14.952
5.500	3.500	1.000	16.964
5.500	3.250	1.125	18.184
5.500	3.000	1.250	19.626
5.500	1.874	1.813	24.696
5.562	4.436	.563	10.397
5.563	5.140	.216	4.267
5.563	3.751	.906	15.588
5.625	5.125	.250	4.965
5.625	4.625	.500	9.467
5.625	4.001	.812	14.439
5.750	2.250	1.750	25.861
5.750	5.250	.250	5.080
5.750	5.000	.375	7.447
5.750	4.750	.500	9.697
5.750	4.500	.625	11.833
5.750	4.374	.688	12.859
5.750	4.250	.750	13.856
5.750	4.000	.875	15.758
5.750	3.750	1.000	17.548
5.875	4.751	.562	11.031
5.875	4.375	.750	14.200
5.875	3.541	1.167	20.298
5.875	2.999	1.438	23.572
6.000	5.688	.156	3.373
6.000	5.624	.188	4.037
6.000	5.500	.250	5.311
6.000	5.376	.312	6.566
6.000	5.374	.313	6.576
6.000	5.250	.375	7.792
6.000	5.000	.500	10.159
6.000	4.750	.625	12.410
6.000	4.500	.750	14.547
6.000	4.000	1.000	18.473
6.000	3.750	1.125	20.262

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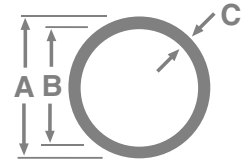
TUBING – Round, Seamless



-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT
6.000	3.500	1.250	21.936
6.000	3.000	1.500	24.937
6.000	2.750	1.625	26.266
6.000	2.000	2.000	29.556
6.000	1.500	2.250	31.172
6.062	3.000	1.531	25.629
6.125	5.749	.188	4.124
6.125	5.501	.312	6.701
6.125	5.375	.375	7.966
6.125	4.501	.812	15.938
6.125	4.375	.875	16.972
6.125	3.999	1.063	19.880
6.125	3.751	1.187	21.655
6.125	3.749	1.188	21.669
6.250	5.874	.188	4.210
6.250	5.750	.250	5.541
6.250	5.500	.375	8.139
6.250	5.374	.438	9.405
6.250	5.250	.500	10.622
6.250	5.000	.625	12.989
6.250	4.750	.750	15.240
6.250	4.250	1.000	19.396
6.250	3.750	1.250	23.091
6.250	3.500	1.375	24.764
6.250	2.750	1.750	29.094
6.375	5.999	.188	4.297
6.375	5.875	.250	5.657
6.375	5.249	.563	12.089
6.375	4.999	.688	14.455
6.375	4.375	1.000	19.858
6.410	4.186	1.112	21.765
6.500	6.124	.188	4.339
6.500	6.000	.250	5.772
6.500	5.876	.312	7.132
6.500	5.874	.313	7.155

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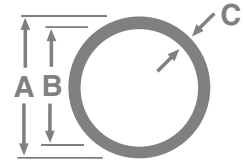
TUBING – Round, Seamless



-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT
6.500	5.750	.375	8.485
6.500	5.688	.406	9.140
6.500	5.500	.500	11.084
6.500	5.250	.625	13.566
6.500	5.000	.750	15.932
6.500	4.750	.875	18.183
6.500	4.500	1.000	20.320
6.500	4.440	1.030	20.815
6.500	4.000	1.250	24.244
6.500	3.500	1.500	27.709
6.500	3.000	1.750	30.710
6.625	6.249	.188	4.470
6.625	6.125	.250	5.888
6.625	5.625	.500	11.314
6.625	5.499	.563	12.608
6.687	5.375	.656	14.617
6.750	6.000	.375	8.832
6.750	5.750	.500	11.545
6.750	5.626	.562	12.848
6.750	5.500	.625	14.143
6.750	5.250	.750	16.625
6.750	4.750	1.000	21.243
6.750	4.500	1.125	23.379
6.750	4.250	1.250	25.399
6.750	4.000	1.375	27.304
6.750	3.000	1.875	33.770
7.000	6.624	.188	4.731
7.000	6.620	.190	4.780
7.000	6.500	.250	6.234
7.000	6.376	.312	7.709
7.000	6.250	.375	9.179
7.000	6.000	.500	12.007
7.000	5.750	.625	14.720
7.000	5.500	.750	17.318
7.000	5.000	1.000	22.166

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TUBING – Round, Seamless

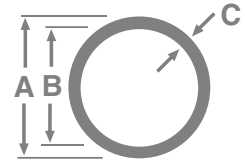


-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT
7.000	4.750	1.125	24.418
7.000	4.312	1.344	28.084
7.000	4.000	1.500	30.480
7.000	3.500	1.750	33.944
7.125	6.501	.312	7.852
7.125	6.485	.320	8.045
7.125	6.001	.562	13.625
7.125	5.749	.688	16.362
7.125	4.749	1.188	26.058
7.125	4.741	1.192	26.127
7.125	4.499	1.313	28.193
7.250	6.750	.250	6.465
7.250	6.500	.375	9.524
7.250	6.250	.500	12.469
7.250	6.000	.625	15.610
7.250	5.750	.750	18.011
7.250	5.626	.812	19.313
7.250	5.000	1.125	25.457
7.375	6.687	.344	8.935
7.375	6.499	.438	11.225
7.375	5.999	.688	16.997
7.375	5.875	.750	18.356
7.375	5.375	1.000	23.553
7.500	7.124	.188	5.078
7.500	7.120	.190	5.131
7.500	7.000	.250	6.696
7.500	3.500	.375	9.870
7.500	6.500	.500	12.930
7.500	6.376	.562	14.406
7.500	6.250	.625	15.875
7.500	6.000	.750	18.703
7.500	5.750	.875	21.416
7.500	5.522	.989	23.789
7.500	5.500	1.000	24.014
7.500	5.000	1.250	28.864

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Sapa Industrial Extrusions

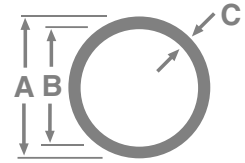
TUBING – Round, Seamless



-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT
7.500	4.500	1.500	33.250
7.500	4.250	1.625	35.271
7.500	3.750	1.875	38.966
7.500	3.500	2.000	40.640
7.625	7.125	.250	6.812
7.625	7.001	.312	8.430
7.625	6.875	.375	10.044
7.625	6.501	.562	14.665
7.750	7.250	.250	6.927
7.750	7.000	.375	10.218
7.750	6.750	.500	13.392
7.750	6.500	.625	16.452
7.750	6.250	.750	19.396
7.750	6.000	.875	22.225
7.826	6.750	.538	14.486
8.000	7.562	.219	6.296
8.000	7.500	.250	7.158
8.000	7.438	.281	8.013
8.000	7.376	.312	8.861
8.000	7.250	.375	10.564
8.000	7.000	.500	13.853
8.000	6.750	.625	17.028
8.000	6.500	.750	20.088
8.000	6.000	1.000	25.861
8.000	5.520	1.240	30.969
8.000	5.500	1.250	31.172
8.000	5.000	1.500	36.021
8.000	4.750	1.625	37.884
8.000	4.000	2.000	44.334
8.062	7.494	.284	8.160
8.100	6.975	1.125	28.991
8.125	7.501	.312	9.006
8.125	7.249	.438	12.439
8.125	6.875	.625	17.318
8.125	6.501	.812	21.938

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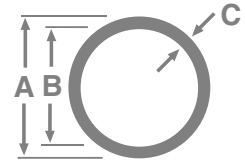
TUBING – Round, Seamless



-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT
8.125	4.501	1.812	42.262
8.188	6.438	.875	23.640
8.250	7.750	.250	7.389
8.250	7.500	.375	10.910
8.250	7.250	.500	14.316
8.250	7.000	.625	17.606
8.250	6.750	.750	20.782
8.250	6.500	.875	23.841
8.250	6.250	1.000	26.785
8.250	5.750	1.250	32.327
8.250	5.500	1.375	34.925
8.250	5.000	1.625	39.773
8.300	7.550	.375	10.979
8.500	8.000	.250	7.620
8.500	7.500	.500	14.778
8.500	7.438	.531	15.634
8.500	7.250	.625	18.183
8.500	7.124	.688	19.857
8.500	7.000	.750	21.474
8.500	6.500	1.000	27.709
8.500	6.000	1.250	33.481
8.625	7.433	.596	17.679
8.625	6.999	.813	23.465
8.625	6.001	1.312	35.447
8.875	7.931	.472	14.653
9.000	8.500	.250	8.081
9.000	8.250	.375	11.949
9.000	8.000	.500	15.702
9.000	7.750	.625	19.338
9.000	7.250	.875	26.262
9.000	7.500	.750	22.859
9.000	7.000	1.000	29.555
9.000	6.000	1.500	41.563
9.000	5.624	1.688	45.599
9.000	5.000	2.000	51.723

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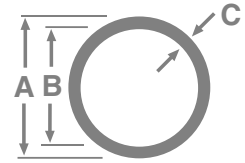
TUBING – Round, Seamless



-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT
9.125	8.465	.330	10.723
9.125	8.375	.375	12.122
9.125	7.749	.688	21.444
9.125	7.375	.875	26.669
9.125	7.001	1.062	31.636
9.250	8.500	.375	12.296
9.250	8.338	.456	14.815
9.250	8.000	.625	19.918
9.250	5.000	2.125	55.938
9.250	7.750	.750	23.553
9.250	8.500	.375	12.296
9.375	7.999	.688	22.081
9.472	8.354	.559	18.407
9.500	9.000	.250	8.542
9.500	8.978	.261	8.909
9.500	8.750	.375	12.642
9.500	8.500	.500	16.625
9.500	8.250	.625	20.493
9.500	8.000	.750	24.244
9.500	7.750	.875	27.882
9.500	7.500	1.000	31.403
9.500	7.000	1.250	38.100
9.625	8.999	.313	10.767
9.625	7.001	1.312	40.294
9.654	8.740	.457	15.528
9.654	7.374	1.140	35.859
10.000	9.376	.312	11.168
10.000	9.250	.375	13.335
10.000	9.192	.404	14.323
10.000	9.018	.491	17.248
10.000	9.000	.500	17.548
10.000	8.750	.625	21.647
10.000	8.500	.750	25.630
10.000	8.000	1.000	33.250
10.000	7.500	1.250	40.409

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TUBING – Round, Seamless

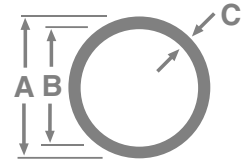


-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT
10.000	5.624	2.188	63.149
10.086	9.380	.353	12.693
10.375	7.625	1.375	45.719
10.500	9.750	.375	14.027
10.500	9.626	.437	16.246
10.500	9.500	.500	18.473
10.500	9.375	.563	20.668
10.500	9.250	.625	22.802
10.500	9.000	.750	27.016
10.500	8.500	1.000	35.098
10.500	8.000	1.250	42.717
10.500	6.500	2.000	62.807
10.625	10.001	.312	11.887
10.630	9.370	.630	23.038
10.630	8.000	1.315	45.255
10.750	9.500	.625	23.379
10.750	8.750	1.000	36.021
10.750	8.000	1.375	47.624
11.000	10.376	.312	12.320
11.000	10.250	.375	14.720
11.000	10.000	.500	19.396
11.000	9.500	.750	28.402
11.000	9.250	.875	32.730
11.000	9.000	1.000	36.945
11.000	8.000	1.500	52.647
11.000	7.000	2.000	67.859
11.500	10.750	.375	15.413
11.500	10.500	.500	20.320
11.500	10.374	.563	22.749
11.500	10.000	.750	29.787
11.718	9.656	1.031	40.707
11.826	10.750	.538	23.401
11.875	11.125	.375	15.932
11.875	10.751	.562	23.489
11.894	11.200	.347	14.803

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Sapa Industrial Extrusions

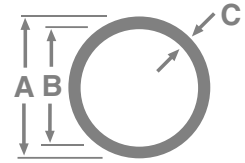
TUBING – Round, Seamless



-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT
11.910	11.268	.321	13.744
11.910	11.144	.383	16.310
11.910	11.014	.448	18.971
11.910	10.756	.577	24.159
11.950	11.200	.375	16.036
11.970	10.756	.607	25.483
12.000	11.376	.312	13.335
12.000	11.250	.375	16.105
12.000	11.000	.500	21.243
12.000	10.750	.625	26.266
12.000	10.500	.750	31.172
12.000	10.250	.875	35.963
12.000	10.000	1.000	40.640
12.225	11.259	.483	20.953
12.500	11.750	.375	16.798
12.500	10.500	1.000	42.488
12.750	12.000	.375	17.145
12.750	11.750	.500	22.629
12.750	11.652	.549	24.747
12.750	10.750	1.000	43.410
12.750	10.250	1.250	53.108
13.000	12.000	.500	23.091
13.000	11.624	.688	31.295
13.000	9.500	1.750	72.736

TUBING – Round (Thin Wall)

Thin wall tubing may be available as standard irrigation construction tube and/or superior quality thin wall tube. Thin wall tubing is produced as seamless tube. Contact your Sales Service Representative for specific information.



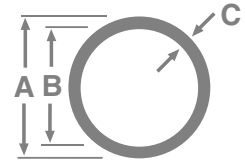
-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT
2.000	1.900	.050	.361
2.250	2.150	.050	.406
2.500	2.400	.050	.453
2.500	2.376	.062	.557
3.000	2.900	.050	.545
3.000	2.870	.065	.704
3.250	3.126	.062	.730
3.500	3.370	.065	.824
3.875	3.751	.062	.873
4.000	3.900	.050	.730
4.000	3.870	.065	.945
4.000	3.856	.072	1.044
4.000	3.834	.083	1.201
4.000	3.820	.090	1.301
4.125	4.001	.062	.930
4.250	4.120	.065	1.005
4.500	4.374	.063	1.033
5.000	4.896	.052	.951
5.000	4.884	.058	1.048
5.000	4.876	.062	1.131
5.000	4.870	.065	1.185
5.000	4.856	.072	1.311
5.000	4.750	.125	2.251
5.000	4.844	.078	1.418
5.000	4.834	.083	1.508
5.000	4.820	.090	1.632
5.000	4.812	.094	1.704
5.250	5.000	.125	2.367
5.375	5.125	.125	2.425
5.500	5.396	.052	1.047
5.500	5.376	.062	1.245
5.500	5.370	.065	1.305
5.500	5.356	.072	1.444
5.500	5.344	.078	1.563
5.500	5.312	.094	1.877

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Sapa Industrial Extrusions

TUBING – Round (Thin Wall)

Thin wall tubing may be available as standard irrigation construction tube and/or superior quality thin wall tube. Thin wall tubing is produced as seamless tube. Contact your Sales Service Representative for specific information.

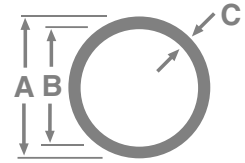


-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT
5.500	5.260	.120	2.385
5.500	5.250	.125	2.483
5.562	5.312	.125	2.511
6.000	5.884	.058	1.273
6.000	5.876	.062	1.360
6.000	5.870	.065	1.425
6.000	5.856	.072	1.577
6.000	5.844	.078	1.706
6.000	5.834	.083	1.814
6.000	5.750	.125	2.713
6.125	5.875	.125	2.771
6.250	6.000	.125	2.828
6.250	5.982	.134	3.027
6.500	6.376	.062	1.474
6.500	6.370	.065	1.545
6.500	6.250	.125	2.944
6.500	6.240	.130	3.060
6.625	6.495	.065	1.575
6.750	6.420	.165	4.015
6.875	6.625	.125	3.116
7.000	6.872	.064	1.640
7.000	6.856	.072	1.843
7.000	6.844	.078	1.994
7.000	6.834	.083	2.120
7.000	6.812	.094	2.398
7.000	6.750	.125	3.175
7.000	6.688	.156	3.944
7.125	6.875	.125	3.233
7.375	7.125	.125	3.348
7.375	7.063	.156	4.161
7.500	7.250	.125	3.406
7.625	7.375	.125	3.464
7.750	7.500	.125	3.521
8.000	7.856	.072	2.109
8.000	7.844	.078	2.283

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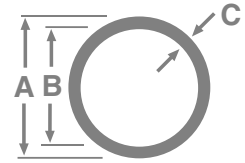
TUBING – Round (Thin Wall)

Thin wall tubing may be available as standard irrigation construction tube and/or superior quality thin wall tube. Thin wall tubing is produced as seamless tube. Contact your Sales Service Representative for specific information.



-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT
8.000	7.834	.083	2.428
8.000	7.750	.125	3.637
8.000	7.730	.135	3.922
8.000	7.624	.188	5.425
8.000	7.620	.190	5.481
8.250	8.000	.125	3.751
8.250	7.874	.188	5.600
8.625	8.275	.175	5.463
8.625	8.249	.188	5.845
9.000	8.750	.125	4.098
9.000	8.624	.188	6.120
9.250	9.000	.125	4.214
10.000	9.812	.094	3.440
10.000	9.750	.125	4.559
10.000	9.688	.156	5.674
10.000	9.624	.188	6.815
10.000	9.562	.219	7.914
10.000	9.500	.250	9.006
10.500	10.000	.250	9.467
11.500	11.000	.250	10.390
12.000	11.624	.188	8.204
12.000	11.500	.250	10.854

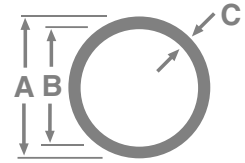
TUBING – Seamless Mechanical



-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT	SECTION
1.500 (±.012)	1.000	.250 (±.025)	1.155	503318
1.750 (±.012)	1.500	.125 (±.012)	.750	503324
1.750 (±.012)	1.000	.375 (±.037)	1.905	503322
1.875 (±.012)	1.063	.406 (±.041)	2.204	505222
2.000 (±.015)	1.750	.125 (±.012)	.866	503325
2.000 (±.015)	1.624	.188 (±.019)	1.258	503326
2.000 (±.015)	1.500	.250 (±.025)	1.616	503327
2.000 (±.015)	1.250	.375 (±.037)	2.251	503328
2.000 (±.015)	1.000	.500 (±.050)	2.771	503319
2.125 (±.015)	1.055	.535 (±.053)	3.143	506670
2.250 (±.015)	1.874	.188 (±.019)	1.432	505097
2.250 (±.015)	1.750	.250 (±.025)	1.847	503329
2.250 (±.015)	1.500	.375 (±.037)	2.598	503321
2.250 (±.015)	1.250	.500 (±.050)	3.233	503323
2.312 (±.015)	1.562	.375 (±.037)	2.684	505292
2.500 (±.015)	2.130	.188 (±.019)	1.605	503330
2.500 (±.015)	2.000	.250 (±.025)	2.078	503331
2.500 (±.015)	1.876	.312 (±.031)	2.523	503332
2.500 (±.015)	1.750	.375 (±.037)	2.944	503333
2.500 (±.015)	1.500	.500 (±.050)	3.695	503335
2.500 (±.015)	1.000	.750 (±.075)	4.849	505348
2.562 (±.015)	1.250	.656 (±.060)	4.619	506671
2.625 (±.015)	1.625	.500 (±.050)	3.925	504958
2.625 (±.015)	1.249	.688 (±.060)	4.924	506044
2.687 (±.015)	1.281	.703 (±.060)	5.153	505949
2.750 (±.015)	2.380	.188 (±.019)	1.779	503342
2.750 (±.015)	2.250	.250 (±.025)	2.310	503343
2.750 (±.015)	2.000	.375 (±.037)	3.290	503345
2.750 (±.015)	1.750	.500 (±.050)	4.156	503347
2.750 (±.015)	1.374	.688 (±.060)	5.241	505801
2.762 (±.015)	1.378	.692 (±.060)	5.292	505293
2.875 (±.015)	2.125	.375 (±.037)	3.463	504950
3.000 (±.015)	2.630	.188 (±.019)	1.953	503354
3.000 (±.015)	2.500	.250 (±.025)	2.540	503355
3.000 (±.015)	2.380	.312 (±.031)	3.099	503356

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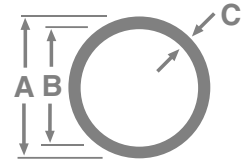
TUBING – Seamless Mechanical



-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT	SECTION
3.000 (±.015)	2.250	.375 (±.037)	3.637	503357
3.000 (±.015)	2.000	.500 (±.050)	4.618	503359
3.000 (±.015)	1.500	.750 (±.060)	6.235	503361
3.250 (±.015)	2.750	.250 (±.025)	2.771	503371
3.250 (±.015)	2.500	.375 (±.037)	3.983	503373
3.250 (±.015)	2.250	.500 (±.050)	5.080	503375
3.250 (±.015)	1.750	.750 (±.060)	6.927	503377
3.500 (±.015)	3.124	.188 (±.019)	2.300	503386
3.500 (±.015)	3.000	.250 (±.025)	3.002	503387
3.500 (±.015)	2.876	.312 (±.031)	3.675	503388
3.500 (±.015)	2.750	.375 (±.037)	4.330	503389
3.500 (±.015)	2.500	.500 (±.050)	5.541	503391
3.500 (±.015)	2.000	.750 (±.060)	7.620	503393
3.500 (±.015)	1.500	1.000 (±.060)	9.236	542364
3.750 (±.015)	3.250	.250 (±.025)	3.233	503405
3.750 (±.015)	3.126	.312 (±.031)	3.963	503406
3.750 (±.015)	2.750	.500 (±.050)	6.003	503409
3.750 (±.015)	2.500	.625 (±.060)	7.216	503410
3.750 (±.015)	3.000	.750 (±.060)	8.313	503411
3.875 (±.015)	2.875	.500 (±.050)	6.234	505294
4.000 (±.025)	3.500	.250 (±.025)	3.463	503421
4.000 (±.025)	3.250	.375 (±.037)	5.023	503423
4.000 (±.025)	3.000	.500 (±.050)	6.466	503425
4.000 (±.025)	2.750	.625 (±.060)	7.793	503426
4.000 (±.025)	2.500	.750 (±.060)	9.006	503427
4.000 (±.025)	2.000	1.000 (±.060)	11.084	503429
4.250 (±.025)	3.750	.250 (±.025)	3.695	503430
4.250 (±.025)	3.500	.375 (±.037)	5.368	503432
4.250 (±.025)	3.250	.500 (±.050)	6.927	503434
4.250 (±.025)	2.750	.750 (±.060)	9.698	503436
4.250 (±.025)	2.250	1.000 (±.060)	12.007	503438
4.500 (±.025)	4.000	.250 (±.025)	3.925	503439
4.500 (±.025)	3.750	.375 (±.037)	5.715	503441
4.500 (±.025)	3.500	.500 (±.050)	7.389	503443
4.500 (±.025)	3.000	.750 (±.060)	10.390	503445

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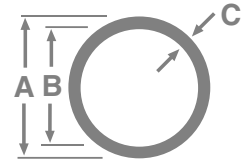
TUBING – Seamless Mechanical



-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT	SECTION
4.500 (±.025)	2.500	1.000 (±.060)	12.931	503447
4.750 (±.025)	4.000	.375 (±.037)	6.061	503450
4.750 (±.025)	3.750	.500 (±.050)	7.851	503452
5.000 (±.025)	4.500	.250 (±.025)	4.388	503457
5.000 (±.025)	4.250	.375 (±.037)	6.408	503459
5.000 (±.025)	4.000	.500 (±.050)	8.313	503461
5.000 (±.025)	3.750	.625 (±.060)	10.102	503462
5.000 (±.025)	3.500	.750 (±.060)	11.776	503463
5.000 (±.025)	3.000	1.000 (±.060)	14.778	503465
5.000 (±.025)	2.750	1.125 (±.060)	16.106	541887
5.250 (±.025)	4.500	.375 (±.037)	6.754	503467
5.250 (±.025)	4.250	.500 (±.050)	8.774	503469
5.500 (±.025)	4.750	.375 (±.037)	7.101	503475
5.500 (±.025)	4.500	.500 (±.050)	9.236	503477
5.500 (±.025)	4.000	.750 (±.060)	13.162	503479
5.500 (±.025)	3.500	1.000 (±.060)	16.625	503481
5.750 (±.025)	5.000	.375 (±.037)	7.446	503483
6.000 (±.035)	5.500	.250 (±.025)	5.311	504866
6.000 (±.035)	5.250	.375 (±.037)	7.793	503491
6.000 (±.035)	5.000	.500 (±.050)	10.159	503493
6.000 (±.035)	4.500	.750 (±.060)	14.547	503495
6.000 (±.035)	4.000	1.000 (±.060)	18.473	503497
6.000 (±.035)	3.500	1.250 (±.060)	21.936	504947
6.250 (±.035)	5.550	.375 (±.037)	8.139	503499
6.250 (±.035)	5.250	.500 (±.050)	10.622	503501
6.500 (±.035)	6.000	.250 (±.025)	5.773	504867
6.500 (±.035)	5.750	.375 (±.037)	8.486	503506
6.500 (±.035)	5.500	.500 (±.050)	11.084	503508
6.500 (±.035)	5.000	.750 (±.060)	15.932	503510
6.500 (±.035)	4.500	1.000 (±.060)	20.319	503512
6.750 (±.035)	5.750	.500 (±.050)	11.546	503515
7.000 (±.035)	6.500	.250 (±.025)	6.233	505719
7.000 (±.035)	6.000	.500 (±.050)	12.007	503522
7.000 (±.035)	5.500	.750 (±.060)	17.318	503524
7.000 (±.035)	5.000	1.000 (±.060)	22.168	503526

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TUBING – Seamless Mechanical

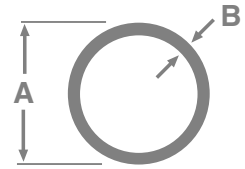


-A- (OD)	-B- (ID)	-C- (WALL)	EST. WT/FT	SECTION
7.000 (±.035)	4.000	1.500 (±.060)	30.480	541878
7.250 (±.035)	6.000	.625 (±.060)	15.298	526518
7.500 (±.035)	7.000	.250 (±.025)	6.696	504946
7.500 (±.035)	6.500	.500 (±.050)	12.931	503536
7.500 (±.035)	6.000	.750 (±.060)	18.703	503538
7.500 (±.035)	5.500	1.000 (±.060)	24.014	503540
8.000 (±.045)	7.500	.250 (±.025)	7.158	505905
8.000 (±.045)	7.250	.375 (±.037)	10.564	503320
8.000 (±.045)	7.000	.500 (±.050)	13.854	503548
8.000 (±.045)	6.500	.750 (±.060)	20.088	503550
8.000 (±.045)	6.000	1.000 (±.060)	25.861	503552
8.500 (±.045)	7.500	.500 (±.050)	14.778	503553
8.500 (±.045)	7.000	.750 (±.060)	21.474	503555
8.500 (±.045)	6.500	1.000 (±.060)	27.709	503557
9.000 (±.045)	8.000	.500 (±.050)	15.701	503558
9.000 (±.045)	7.500	.750 (±.060)	22.860	503560
9.000 (±.045)	8.000	1.000 (±.060)	29.556	503562
9.000 (±.045)	5.000	2.000 (±.060)	51.723	541889
9.500 (±.045)	8.500	.500 (±.050)	16.625	503563
9.500 (±.045)	8.250	.625 (±.060)	20.493	503564
9.500 (±.045)	8.000	.750 (±.060)	24.246	503565
10.000 (±.055)	9.000	.500 (±.050)	17.549	503568
10.000 (±.055)	8.750	.625 (±.060)	21.647	503569
10.000 (±.055)	8.500	.750 (±.060)	25.631	503570
10.000 (±.055)	8.000	1.000 (±.060)	33.250	503572
10.500 (±.055)	9.500	.500 (±.050)	18.473	541879
10.500 (±.055)	8.000	1.250 (±.060)	42.718	541880
10.750 (±.055)	8.750	1.000 (±.060)	36.022	541881
11.000 (±.055)	10.000	.500 (±.050)	19.396	503317
11.000 (±.055)	9.500	.750 (±.060)	28.402	541882
11.000 (±.055)	9.000	1.000 (±.060)	36.945	541883
12.000 (±.065)	11.000	.500 (±.050)	21.243	541884
12.000 (±.065)	10.500	.750 (±.060)	31.172	541885
12.000 (±.065)	10.000	1.000 (±.060)	40.640	541886

Sapa Industrial Extrusions

TUBING – Structural

Sapa TDA structural tubing is available with dimensions as small as
A = .125", B = .015" in 6061 and 6063 alloys.



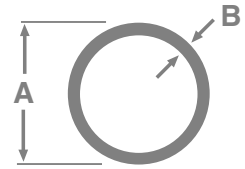
-A- (OD)	-B- (WALL)	EST. WT/FT	CIRCLE SIZE	FACTOR
.750	.125	.290	.75	14
1.000	.065	.225	1.00	26
1.000	.083	.281	1.00	20
1.000	.125	.405	1.00	14
1.000	.250	.693	1.00	7
1.125	.125	.462	1.13	14
1.125	.250	.808	1.13	7
1.250	.065	.285	1.25	26
1.250	.083	.358	1.25	20
1.250	.090	.382	1.25	19
1.250	.125	.520	1.25	13
1.250	.250	.923	1.25	7
1.375	.062	.301	1.38	27
1.375	.125	.577	1.38	13
1.375	.187	.824	1.38	9
1.375	.250	1.040	1.38	7
1.500	.050	.268	1.50	34
1.500	.058	.302	1.50	30
1.500	.062	.332	1.50	27
1.500	.065	.345	1.50	26
1.500	.083	.434	1.50	21
1.500	.095	.493	1.50	18
1.500	.125	.635	1.50	13
1.500	.188	.911	1.50	9
1.500	.250	1.155	1.50	7
1.500	.375	1.559	1.50	5
1.625	.125	.693	1.63	13
1.625	.188	.998	1.60	9
1.625	.250	1.270	1.63	7
1.750	.065	.405	1.80	26
1.750	.125	.750	1.75	13
1.750	.188	1.082	1.75	9
1.750	.250	1.385	1.75	7
1.750	.375	1.905	1.75	4
1.750	.500	2.310	1.75	3

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Sapa Industrial Extrusions

TUBING – Structural

Sapa TDA structural tubing is available with dimensions as small as
A = .125", B = .015" in 6061 and 6063 alloys.



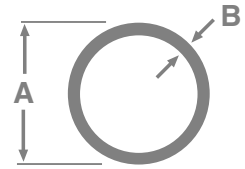
-A- (OD)	-B- (WALL)	EST. WT/FT	CIRCLE SIZE	FACTOR
1.875	.125	.808	1.86	14
1.875	.188	1.167	1.90	9
1.875	.250	1.501	1.90	7
1.875	.281	1.655	1.88	6
1.875	.312	1.804	1.90	5
2.000	.058	.416	2.00	29
2.000	.065	.465	2.00	26
2.000	.095	.668	2.00	18
2.000	.125	.866	2.00	13
2.000	.140	.962	2.00	12
2.000	.188	1.258	2.00	9
2.000	.250	1.617	2.00	7
2.000	.312	1.949	2.00	5
2.000	.363	2.196	2.00	5
2.000	.375	2.251	2.00	5
2.000	.438	2.528	2.00	4
2.000	.500	2.771	2.00	3
2.000	.625	3.175	2.00	3
2.062	.500	2.886	2.10	3
2.125	.065	.495	2.13	26
2.125	.125	.923	2.13	14
2.125	.156	1.135	2.10	11
2.125	.250	1.732	2.13	7
2.125	.375	2.425	2.20	5
2.250	.065	.524	2.25	26
2.250	.083	.664	2.25	20
2.250	.125	.981	2.25	14
2.250	.188	1.429	2.25	9
2.250	.250	1.847	2.25	7
2.250	.312	2.237	2.20	5
2.250	.375	2.598	2.25	4
2.250	.500	3.233	2.25	3
2.250	.547	3.441	2.20	3
2.250	.625	3.753	2.30	3
2.375	.188	1.519	2.40	9

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Sapa Industrial Extrusions

TUBING – Structural

Sapa TDA structural tubing is available with dimensions as small as
A = .125", B = .015" in 6061 and 6063 alloys.



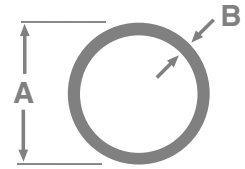
-A- (OD)	-B- (WALL)	EST. WT/FT	CIRCLE SIZE	FACTOR
2.375	.250	1.963	2.38	7
2.375	.313	2.360	2.40	5
2.375	.375	2.771	2.38	4
2.375	.465	3.282	2.30	4
2.375	.500	3.464	2.38	3
2.500	.065	.584	2.50	26
2.500	.083	.741	2.50	20
2.500	.125	1.097	2.50	14
2.500	.188	1.606	2.50	9
2.500	.250	2.078	2.50	7
2.500	.312	2.526	2.30	5
2.500	.375	2.944	2.50	4
2.500	.500	3.695	2.50	3
2.500	.750	4.849	2.50	2
2.562	.500	3.809	2.60	3
2.625	.156	1.423	2.65	11
2.625	.250	2.193	2.60	7
2.750	.125	1.212	2.75	13
2.750	.188	1.779	2.75	9
2.750	.250	2.308	2.75	7
2.750	.312	2.810	2.75	5
2.750	.375	3.290	2.75	4
2.750	.438	3.741	2.80	4
2.750	.500	4.156	2.75	3
2.750	.625	4.905	2.75	3
2.750	.688	5.240	2.80	2
2.750	.750	5.541	2.75	2
2.875	.250	2.425	2.88	7
2.875	.500	4.388	2.88	3
3.000	.083	.895	3.00	20
3.000	.095	1.020	3.00	18
3.000	.125	1.328	3.00	14
3.000	.188	1.944	3.00	9
3.000	.250	2.540	3.00	7

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Sapa Industrial Extrusions

TUBING – Structural

Sapa TDA structural tubing is available with dimensions as small as
A = .125", B = .015" in 6061 and 6063 alloys.



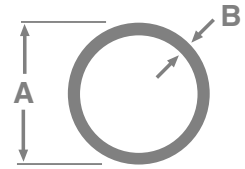
-A- (OD)	-B- (WALL)	EST. WT/FT	CIRCLE SIZE	FACTOR
3.000	.312	3.099	3.00	5
3.000	.313	3.107	3.00	6
3.000	.375	3.637	3.00	5
3.000	.562	5.062	3.00	3
3.000	.625	5.484	3.00	3
3.000	.750	6.234	3.00	2
3.250	.125	1.443	3.25	13
3.250	.250	2.771	3.25	7
3.250	.375	3.983	3.25	4
3.250	.500	5.079	3.25	3
3.250	.625	6.061	3.20	3
3.250	.750	6.928	3.25	2
3.375	.250	2.886	3.40	7
3.500	.125	1.558	3.50	13
3.500	.156	1.927	3.50	11
3.500	.188	2.300	3.50	9
3.500	.250	3.002	3.50	7
3.500	.312	3.680	3.50	5
3.500	.375	4.330	3.50	4
3.500	.500	5.541	3.50	3
3.500	.750	7.619	3.50	2
3.625	.219	2.756	3.40	8
3.625	.250	3.118	3.63	7
3.750	.125	1.675	3.75	13
3.750	.188	2.468	3.75	9
3.750	.250	3.233	3.75	10
3.750	.312	3.963	3.75	5
3.750	.375	4.676	3.75	5
3.750	.500	6.003	3.75	3
3.750	.750	8.312	3.75	2
3.875	.250	3.348	3.90	7
4.000	.125	1.789	4.00	14
4.000	.156	2.216	4.00	11
4.000	.188	2.647	4.00	9
4.000	.250	3.463	4.00	7

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Sapa Industrial Extrusions

TUBING – Structural

Sapa TDA structural tubing is available with dimensions as small as
A = .125", B = .015" in 6061 and 6063 alloys.



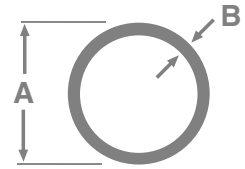
-A- (OD)	-B- (WALL)	EST. WT/FT	CIRCLE SIZE	FACTOR
4.000	.312	4.257	4.00	5
4.000	.375	5.022	4.00	5
4.000	.500	6.464	4.00	3
4.000	.625	7.792	4.00	3
4.000	.750	9.005	4.00	2
4.125	.375	5.194	4.13	5
4.125	.500	6.696	4.10	3
4.250	.125	1.905	4.25	13
4.250	.250	3.695	4.25	7
4.250	.375	5.368	4.25	5
4.250	.438	6.168	4.30	4
4.250	.500	6.927	4.25	3
4.250	.750	9.698	4.25	2
4.500	.125	2.020	4.50	13
4.500	.155	2.488	4.50	11
4.500	.188	2.987	4.50	9
4.500	.234	3.688	4.50	7
4.500	.250	3.925	4.50	7
4.500	.312	4.827	4.50	5
4.500	.375	5.714	4.50	5
4.500	.500	7.390	4.50	3
4.500	.625	8.947	4.50	3
4.500	.750	10.390	4.50	2
4.750	.125	2.136	4.75	14
4.750	.156	2.728	4.75	11
4.750	.188	3.168	4.75	9
4.750	.250	4.156	4.75	7
4.750	.313	5.131	4.80	5
4.750	.375	6.061	4.75	4
4.750	.500	7.850	4.75	3
4.750	.750	11.083	4.75	2
5.000	.125	2.251	5.00	13
5.000	.156	2.792	5.00	11
5.000	.188	3.334	5.00	9
5.000	.219	3.868	5.00	8

(section continues on next page)

Sapa Industrial Extrusions

TUBING – Structural

Sapa TDA structural tubing is available with dimensions as small as
A = .125", B = .015" in 6061 and 6063 alloys.



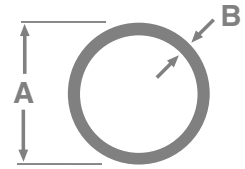
-A- (OD)	-B- (WALL)	EST. WT/FT	CIRCLE SIZE	FACTOR
5.000	.247	4.337	5.00	7
5.000	.250	4.388	5.00	7
5.000	.312	5.404	5.00	4
5.000	.375	6.407	5.00	4
5.000	.500	8.312	5.00	3
5.000	.625	10.102	5.00	3
5.000	.750	11.776	5.00	2
5.250	.188	3.516	5.25	9
5.250	.250	4.618	5.25	7
5.250	.375	6.754	5.20	5
5.250	.500	8.774	5.25	3
5.250	.750	12.469	5.25	2
5.375	.312	5.836	5.38	5
5.500	.188	3.689	5.50	9
5.500	.250	4.849	5.50	7
5.500	.312	5.980	5.50	5
5.500	.375	7.100	5.50	4
5.500	.500	9.236	5.50	3
5.500	.750	13.161	5.50	2
5.750	.500	9.697	5.80	3
6.000	.156	3.373	6.00	11
6.000	.188	4.037	6.00	9
6.000	.250	5.311	6.00	7
6.000	.312	6.566	6.00	5
6.000	.375	7.792	6.00	4
6.000	.500	10.159	6.00	3
6.000	.625	12.410	6.00	3
6.000	.750	14.547	6.00	2
6.250	.375	8.139	6.25	4
6.250	.500	10.622	6.25	3
6.375	.688	14.455	6.38	2
6.500	.188	4.339	6.50	9
6.500	.250	5.772	6.50	6
6.500	.312	7.132	6.50	5
6.500	.313	7.155	6.50	5

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Sapa Industrial Extrusions

TUBING – Structural

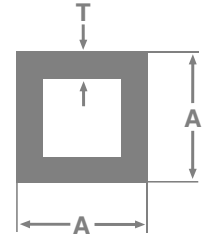
Sapa TDA structural tubing is available with dimensions as small as
A = .125", B = .015" in 6061 and 6063 alloys.



-A- (OD)	-B- (WALL)	EST. WT/FT	CIRCLE SIZE	FACTOR
6.500	.375	8.485	6.50	5
6.500	.500	11.084	6.50	3
6.500	.750	15.932	6.50	2
6.625	.188	4.470	6.63	9
6.625	.250	5.888	6.63	7
6.625	.563	12.608	6.63	3
6.750	.375	8.832	6.80	5
6.750	.500	11.545	6.75	3
7.000	.250	6.234	7.00	7
7.000	.375	9.179	7.00	5
7.000	.500	12.007	7.00	3
7.000	.750	17.318	7.00	2
7.500	.188	5.078	7.50	9
7.500	.250	6.696	7.50	7
7.500	.500	12.930	7.50	3
7.500	.375	9.870	7.50	4
7.500	.750	18.703	7.50	2
7.750	.375	10.218	7.75	5
8.000	.250	7.158	8.00	7
8.000	.281	8.013	8.90	6
8.000	.312	8.861	8.00	5
8.000	.375	10.564	8.00	4
8.000	.500	13.853	8.00	3
8.000	.625	17.028	8.00	3
8.000	.750	20.088	8.00	2
8.125	.438	12.439	8.10	4
8.125	.625	17.318	8.13	3
8.250	.875	23.841	8.20	2
8.500	.500	14.778	8.50	3
8.625	.596	17.679	8.60	3
8.625	.813	23.465	8.63	2

Sapa Industrial Extrusions

TUBE – Extruded Square, Sharp Corners

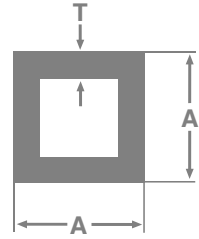


-A-	-T-	EST. WT/FT	CIRCLE SIZE	FACTOR
.750	.065	.207	1.1	26
.750	.125	.368	1.1	13
.875	.094	.345	1.3	18
1.000	.062	.271	1.4	27
1.000	.065	.286	1.4	26
1.000	.095	.400	1.4	18
1.000	.125	.515	1.4	13
1.250	.065	.362	1.8	26
1.250	.090	.486	1.8	19
1.250	.095	.511	1.8	18
1.250	.125	.654	1.8	13
1.375	.125	.728	1.9	14
1.500	.062	.420	2.1	28
1.500	.070	.466	2.1	25
1.500	.078	.522	2.3	22
1.500	.095	.622	2.1	18
1.500	.125	.809	2.1	13
1.500	.188	1.161	2.1	9
1.500	.250	1.470	2.1	7
1.750	.125	.955	2.5	13
2.000	.062	.566	2.8	28
2.000	.093	.834	2.7	18
2.000	.125	1.102	2.9	13
2.000	.156	1.354	2.8	11
2.000	.188	1.602	2.8	9
2.000	.250	2.058	2.8	7
2.250	.125	1.250	3.2	14
2.375	.125	1.310	3.5	13
2.500	.125	1.383	3.5	13
2.500	.250	2.646	3.5	7
2.750	.125	1.543	3.9	14
2.750	.188	2.266	3.9	9
3.000	.093	1.271	4.2	18
3.000	.125	1.691	4.2	14
3.000	.188	2.487	4.2	9

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Sapa Industrial Extrusions

TUBE – Extruded Square, Sharp Corners



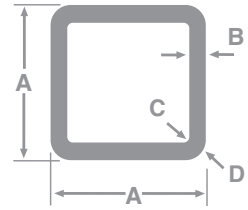
-A-	-T-	EST. WT/FT	CIRCLE SIZE	FACTOR
3.000	.219	2.865	4.2	8
3.000	.250	3.234	4.2	7
3.000	.375	4.630	4.2	5
3.000	.500	6.000	4.2	3
3.500	.125	1.984	4.9	13
4.000	.125	2.279	5.7	14
4.000	.188	3.371	5.6	9
4.000	.250	4.410	5.7	7
4.000	.375	6.395	5.7	5
4.000	.500	8.232	5.7	3
5.000	.125	2.867	7.3	14
5.000	.188	4.256	7.1	9
5.000	.250	5.586	7.1	7
5.000	.375	8.159	7.3	5
5.000	.500	10.584	7.1	3
6.000	.188	5.140	8.5	9
6.000	.250	6.762	8.5	7
6.000	.375	9.923	8.3	5
6.000	.500	13.200	8.5	3
6.750	.188	5.744	9.5	9
6.750	.250	7.644	9.4	7
8.000	.188	6.909	11.2	9
8.000	.250	9.114	11.2	7
8.000	.375	13.451	11.5	5
8.000	.500	17.640	11.2	3

Sapa Industrial Extrusions

TUBE – Extruded Square, Round Corners

May also be available as Bus Conductor tubing in 6101 Alloy— ask your Sales Service Representative.

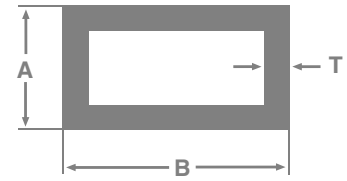
This Sapa TDA tube is available with dimensions as small as
A = .250", B = .020" in 6061 and 6063 alloys.



-A-	-B-	INSIDE -C-	OUTSIDE -D-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
1.000	.062	.125	.125	.274	1.3	26	536744
1.000	.090	.010	.062	.381	1.3	19	521266
1.000	.125	.036	.156	.492	1.3	14	511592
1.000	.125	.125	.125	.509	1.3	13	526890
1.500	.125	.192	.312	.746	1.9	14	511593
1.500	.125	.010	.125	.793	2.1	14	521115
1.625	.125	.015	.062	.869	2.2	14	545306
2.000	.125	.125	.125	1.103	2.7	13	545328
2.000	.125	.255	.375	1.026	2.5	14	511761
2.000	.125	.020	.188	1.067	2.7	14	521125
2.000	.188	.250	.400	1.502	2.8	9	521123
2.000	.188	.010	.188	1.567	2.7	9	515879
2.000	.250	.010	.250	1.994	2.6	7	521122
2.375	.125	.125	.125	1.310	3.5	13	526341
2.500	.125	.125	.250	1.349	3.3	14	521243
2.500	.250	.125	.250	2.599	3.7	7	521245
3.000	.125	.010	.094	1.682	4.3	14	521252
3.000	.188	.125	.125	2.487	4.3	9	521253
3.000	.250	.125	.375	3.108	3.9	7	61100B
3.500	.250	.010	.010	3.822	4.7	7	521703
4.000	.188	.312	.500	3.282	5.3	9	521236
4.000	.250	.250	.500	4.307	5.3	7	61100E
4.000	.500	.250	.750	7.885	5.0	3	61100D
5.000	.375	.375	.750	7.890	6.4	4	61100H
6.000	.250	.500	.750	6.578	7.9	7	61100L
6.000	.500	.250	.750	12.431	7.9	3	61100M

Sapa Industrial Extrusions

TUBE – Extruded Rectangular, Sharp Corners

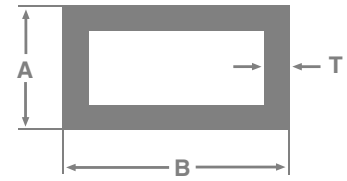


-A-	-B-	-T-	EST. WT/FT	CIRCLE SIZE	FACTOR
.500	1.000	.125	.367	1.2	13
.500	1.250	.125	.441	1.4	14
.750	1.500	.125	.588	1.7	13
.750	2.500	.125	.882	2.6	14
.750	4.000	.188	1.935	4.1	9
1.000	1.500	.125	.661	1.8	13
1.000	2.000	.080	.528	2.2	22
1.000	2.000	.095	.621	2.2	18
1.000	2.000	.125	.809	2.2	13
1.000	2.500	.125	.976	2.7	13
1.000	3.000	.125	1.103	3.2	13
1.250	2.000	.125	.873	2.4	14
1.250	2.500	.125	1.029	2.8	13
1.250	3.000	.125	1.176	3.3	13
1.500	1.750	.125	.873	2.3	14
1.500	2.000	.125	.955	2.5	13
1.500	2.000	.250	1.764	2.5	7
1.500	2.500	.125	1.103	2.9	14
1.500	3.000	.125	1.250	3.4	13
1.500	3.000	.188	1.824	3.4	9
1.500	4.000	.125	1.544	4.3	13
1.500	6.000	.125	2.132	6.2	14
1.750	2.000	.125	1.029	2.6	14
1.750	2.250	.125	1.102	2.9	13
1.750	2.500	.125	1.176	3.1	13
1.750	3.000	.125	1.323	3.5	13
1.750	3.000	.188	1.935	3.5	9
1.750	3.500	.125	1.470	3.9	13
1.750	4.000	.125	1.617	4.4	13
1.750	4.500	.125	1.764	4.3	14
1.750	5.000	.125	1.911	5.6	13
1.750	5.000	.188	2.813	5.3	9
2.000	3.000	.125	1.397	3.6	13
2.000	3.000	.250	2.646	3.6	7
2.000	4.000	.125	1.690	4.5	14

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Sapa Industrial Extrusions

TUBE – Extruded Rectangular,
Sharp Corners

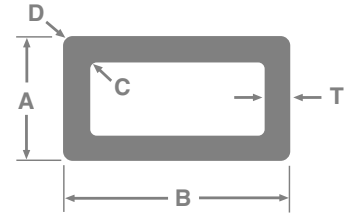


-A-	-B-	-T-	EST. WT/FT	CIRCLE SIZE	FACTOR
2.000	4.000	.188	2.487	4.5	9
2.000	4.000	.250	3.201	4.5	7
2.000	5.000	.125	1.985	5.4	13
2.000	5.000	.188	2.929	5.4	9
2.000	5.000	.250	3.822	5.4	7
2.000	6.000	.125	2.279	6.3	13
2.000	6.000	.188	3.371	6.3	9
2.000	6.000	.250	4.410	6.3	7
2.500	4.000	.125	1.819	4.7	14
2.500	5.000	.125	2.131	5.6	14
3.000	4.000	.125	1.985	5.0	13
3.000	4.000	.188	2.929	5.0	9
3.000	5.000	.125	2.278	5.8	14
3.000	5.000	.188	3.372	5.6	9
3.000	5.000	.250	4.410	5.6	7
3.000	6.000	.125	2.573	6.8	14
3.000	6.000	.188	3.814	6.7	9
3.000	6.000	.250	4.998	6.7	7
3.000	8.000	.250	6.174	8.5	7
4.000	6.000	.250	5.586	7.2	7
4.000	6.000	.500	10.584	7.2	3
4.000	8.000	.250	6.762	8.9	7
4.000	8.000	.375	9.923	8.9	5
4.000	8.000	.500	12.936	9.0	3
5.000	8.000	.375	10.805	9.4	5

Sapa Industrial Extrusions

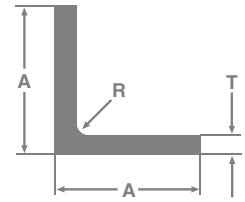
TUBE – Extruded Rectangular, Round Corners

This Sapa TDA tube is available with dimensions as small as
A = .250", B = .500", T = .020" in 6061 and 6063 alloys.



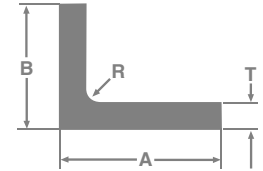
-A-	-B-	-T-	INSIDE -C-	OUTSIDE -D-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
1.000	2.000	.125	.031	.031	.809	2.3	14	514935
1.000	3.000	.125	.125	.125	1.091	3.0	13	545327
1.000	4.000	.125	.010	.010	1.397	4.3	14	521261
1.250	2.000	.250	.010	.010	1.617	2.3	7	521257
1.500	2.000	.125	.125	.125	.946	2.5	13	521113
1.500	3.000	.188	.188	.188	1.824	3.2	9	515881
2.000	3.000	.125	.063	.188	1.365	3.5	14	515880
2.000	3.000	.250	.016	.188	2.611	3.5	7	515882
2.000	4.000	.250	.125	.375	3.108	4.3	7	520084
2.000	5.000	.125	.125	.125	1.964	5.3	14	521239
3.000	4.000	.375	.010	.010	5.513	5.3	5	521709
3.000	4.000	.500	.010	.010	7.056	5.3	3	521708
4.000	5.000	.250	.010	.010	4.998	6.3	7	521724
4.000	6.000	.125	.010	.010	2.867	7.3	14	521723
4.000	6.000	.188	.010	.010	4.256	7.3	9	521721
4.000	8.000	.188	.010	.010	5.140	8.7	9	523588

CANADIAN ANGLES – Equal Legs,
Rounded Inside Corners (Structural)



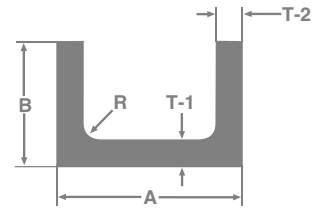
-A-	-T-	-R-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
.750	.125	.125	.206	1.05	14	710024
1.000	.125	.125	.279	1.41	14	710006
1.000	.188	.188	.409	1.41	10	710044
1.000	.250	.250	.530	1.41	7	710023
1.250	.125	.125	.353	1.76	14	710022
1.250	.188	.188	.520	1.76	9	710035
1.250	.250	.250	.677	1.76	7	710042
1.500	.125	.125	.426	2.11	14	710004
1.500	.188	.188	.630	2.11	9	710008
1.500	.250	.250	.824	2.11	7	710015
1.750	.250	.250	.971	2.47	7	710025
2.000	.125	.125	.573	2.82	14	710009
2.000	.188	.188	.852	2.82	9	710003
2.000	.250	.250	1.118	2.82	7	710007
2.000	.375	.375	1.635	2.82	5	710021
2.500	.188	.188	1.073	3.53	9	710045
2.500	.250	.250	1.412	3.53	7	710020
2.500	.312	.312	1.745	3.53	6	710049
2.500	.375	.375	2.075	3.53	5	710037
3.000	.188	.188	1.294	4.23	9	710047
3.000	.250	.250	1.706	4.23	7	710012
3.000	.312	.312	2.111	4.23	6	710038
3.000	.375	.375	2.516	4.23	5	710027
3.000	.500	.500	3.297	4.23	4	710039
4.000	.250	.250	2.294	5.65	7	710041
4.000	.375	.375	3.398	5.65	5	710013
4.000	.500	.500	4.473	5.65	4	710026
6.000	.375	.375	5.162	8.48	5	710002
6.000	.500	.500	6.825	8.48	3	710011

CANADIAN ANGLES – Unequal Legs,
Rounded Inside Corners



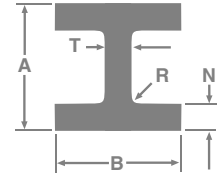
-A-	-B-	-T-	-R-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
2.000	1.500	.188	.188	.741	2.5	9	710019
2.000	1.500	.250	.250	.971	2.5	7	710018
2.500	1.500	.250	.250	1.118	2.9	7	710017
2.500	2.000	.250	.250	1.265	3.2	7	710028
3.000	2.000	.188	.188	1.073	3.6	9	710029
3.000	2.000	.250	.250	1.412	3.6	7	710030
3.500	2.500	.250	.250	1.706	4.3	7	710051
4.000	3.000	.250	.250	2.000	5.0	7	710016
4.000	3.000	.375	.375	2.957	5.0	5	710043
5.000	3.000	.250	.250	2.294	5.8	7	710031
5.000	3.500	.375	.375	3.618	6.1	5	710032
6.000	2.500	.250	.250	2.441	6.5	7	710046
6.000	3.000	.375	.375	3.839	6.7	5	710053
6.000	3.500	.312	.312	3.396	6.9	6	710033
6.000	4.000	.375	.375	4.280	7.2	5	710034
6.000	4.000	.500	.500	5.649	7.2	3	710050
6.000	4.000	.625	.625	6.989	7.2	3	710005
8.000	3.000	.375	.375	4.721	8.5	5	710001

CANADIAN CHANNELS –
 Rounded Inside Angles, Sharp Corners,
 Equal and Unequal Thicknesses (Structural)



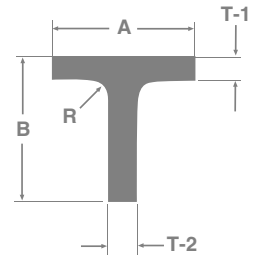
-A-	-B-	T1	T2	-R-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
2.000	1.500	.125	.125	.125	.706	2.5	14	720024
2.250	1.000	.188	.188	.062	.858	2.5	9	720012
3.000	1.500	.188	.250	.312	1.484	3.4	8	720008
3.000	1.500	.250	.312	.312	1.848	3.4	6	720009
3.000	2.000	.250	.312	.188	2.184	3.6	6	720011
4.000	1.625	.188	.281	.375	1.905	4.3	7	720013
4.000	1.750	.250	.281	.375	2.238	4.4	6	720022
4.000	2.000	.188	.250	.375	2.021	4.5	8	720010
4.000	2.000	.250	.312	.375	2.531	4.5	6	720014
4.000	2.500	.250	.312	.375	2.898	4.7	6	720015
5.000	2.000	.188	.312	.375	2.506	5.4	7	720006
5.000	2.000	.281	.343	.375	3.110	5.4	5	720025
5.000	2.500	.250	.375	.437	3.551	5.6	5	720016
6.000	2.000	.281	.375	.437	3.595	6.3	5	720017
6.000	2.500	.250	.312	.437	3.511	6.5	6	720018
6.000	3.500	.375	.500	.437	6.417	6.9	4	720019
7.000	2.500	.218	.375	.437	3.904	7.4	6	720007
7.000	3.000	.250	.375	.500	4.610	7.6	5	720020
8.000	2.750	.250	.375	.437	4.653	8.5	6	720021
8.000	3.000	.281	.437	.500	5.564	8.5	5	720005
10.000	3.000	.281	.437	.500	6.224	10.4	5	720001
10.000	3.500	.312	.500	.562	7.577	10.6	4	720002
12.000	4.000	.375	.562	.625	10.280	12.7	4	720004

CANADIAN I-BEAMS (Structural)



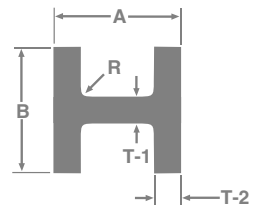
-A-	-B-	-T-	-N-	-R-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
3.000	2.500	.188	.250	.375	2.164	3.9	7	730009
4.000	3.000	.188	.250	.375	2.680	5.0	7	730012
5.000	3.500	.250	.312	.437	4.048	6.1	6	730013
6.000	3.000	.250	.312	.375	3.924	6.7	6	730011
6.000	3.500	.250	.375	.438	4.824	6.9	5	730010
6.000	4.000	.281	.375	.437	5.457	7.2	5	730008
7.000	4.000	.281	.375	.438	5.787	8.0	5	730001
8.000	4.000	.281	.375	.437	6.118	8.9	5	730002
8.000	5.000	.312	.500	.562	8.767	9.4	4	730003
10.000	5.000	.343	.500	.562	9.827	11.2	4	730004
10.000	6.000	.375	.500	.562	11.343	11.7	4	730005
12.000	5.500	.375	.562	.625	12.460	13.2	3	730006
12.000	6.500	.437	.625	.625	15.473	13.6	3	730007

CANADIAN TEES – Rounded Inside Corners



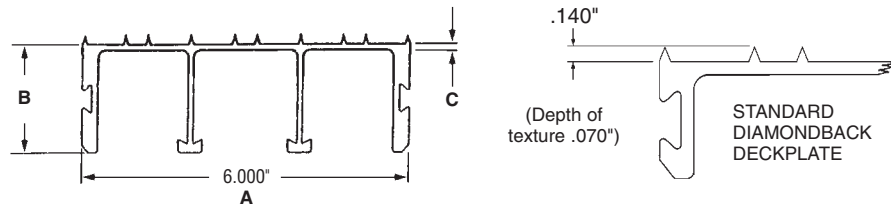
-A-	-B-	T1	T2	-R-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
2.000	1.500	.188	.188	.188	.750	2.2	9	760005
2.000	2.000	.250	.250	.250	1.134	2.5	7	760003
3.000	3.000	.375	.375	.375	2.551	3.8	5	760000
4.000	4.000	.375	.375	.375	3.433	5.0	5	760002

CANADIAN WIDE FLANGE BEAMS



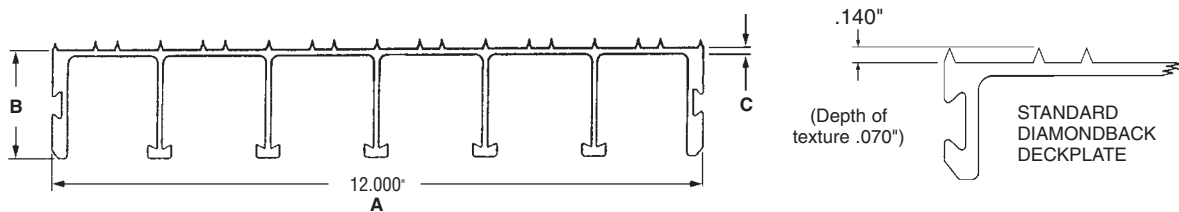
-A-	-B-	T1	T2	-R-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
4.000	4.000	.250	.312	.437	4.120	5.7	6	740004
6.000	6.000	.311	.374	.626	7.594	8.5	5	740003
6.000	6.000	.375	.500	.625	9.655	8.5	4	740001
8.000	8.000	.375	.500	.750	13.062	11.3	4	740002

DIAMONDBACK® DECKPLATE – 6" Width



OVERALL WIDTH -A-	HEIGHT -B-	THICKNESS OF BASE -C-	EST. WT/FT	CIRCLE SIZE	SECTION	STYLE
6.000	.750	.109	1.417	6.0	511565	Solid
			1.228		999067	Ventilated
6.000	1.000	.109	1.643	6.1	511564	Solid
			1.454		999068	Ventilated
6.000	1.250	.109	1.870	6.1	511566	Solid
			1.681		999069	Ventilated
6.000	1.500	.109	2.096	6.1	511567	Solid
			1.907		999070	Ventilated
6.000	1.750	.109	2.322	6.2	511680	Solid
			2.134		999073	Ventilated
6.000	2.000	.109	2.549	6.3	511679	Solid
			2.359		999074	Ventilated

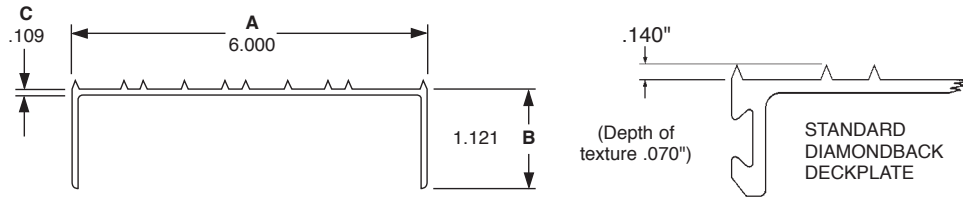
DIAMONDBACK® DECKPLATE – 12" Width



OVERALL WIDTH -A-	HEIGHT -B-	THICKNESS OF BASE -C-	EST. WT/FT	CIRCLE SIZE	SECTION	STYLE
12.000	.750	.109	2.746	12.0	511281	Solid
			2.368		999058	Ventilated
12.000	1.000	.109	3.055	12.0	510540	Solid
			2.677		999053	Ventilated
12.000	1.250	.109	3.364	12.0	511282	Solid
			2.986		999059	Ventilated
12.000	1.250	.109	3.321	12.1	547738	Solid-End Plate
12.000	1.500	.109	3.673	12.1	511283	Solid
			3.295		999060	Ventilated
12.000	1.750	.109	3.983	12.1	511677	Solid
			3.605		999071	Ventilated
12.000	2.000	.109	4.292	12.1	511678	Solid
			3.914		999072	Ventilated

Sapa Industrial Extrusions

DIAMONDBACK® DECKPLATE – Lightweight

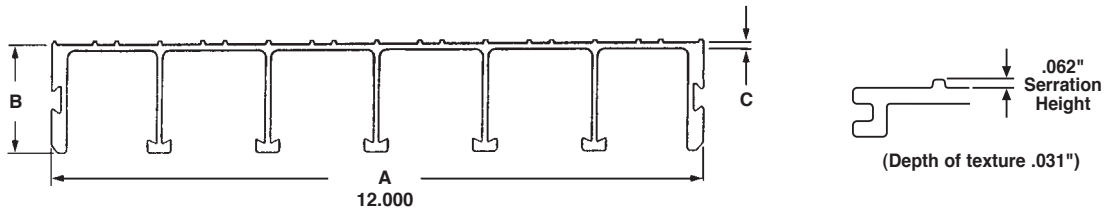


OVERALL WIDTH -A-	HEIGHT -B-	THICKNESS OF BASE -C-	EST. WT/FT	CIRCLE SIZE	SECTION	STYLE
4.000	4.000	.109	1.036	4.5	518000	Solid
			.922		999168	Ventilated
6.000	1.121	.109	1.286	6.1	508456	Solid
			1.098		999014	Ventilated
7.000	2.000	.109	1.485	7.3	518001	Solid
9.000*	2.000	.109	2.032	9.2	518002	Solid
			1.782		999170	Ventilated
11.000*	2.000	.109	2.311	11.2	518003	Solid

*These sizes have an additional center leg. Contact your Sales Service Representative for current section drawing.

DIAMONDBACK® DECKPLATE – EZ Grip® Texture

This less aggressive texture is for applications in contact with bare feet or soft items, such as cardboard boxes.



OVERALL WIDTH -A-	HEIGHT -B-	THICKNESS OF BASE -C-	EST. WT/FT	CIRCLE SIZE	SECTION	STYLE
12.000	1.000	.109	3.029	12.0	515518	Solid
			2.650		999120	Ventilated
12.000	1.500	.109	3.648	12.1	530359	Solid
			3.218		999190	Ventilated

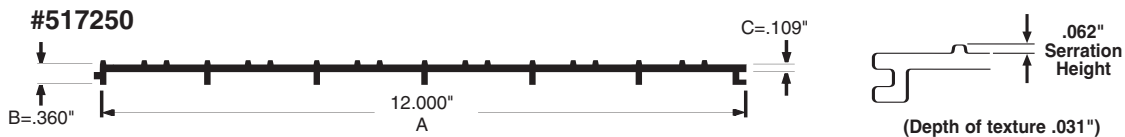
DIAMONDBACK® TREADPLATE – Standard Texture



OVERALL WIDTH -A-	HEIGHT -B-	THICKNESS OF BASE -C-	EST. WT/FT	CIRCLE SIZE	SECTION	STYLE
12.000	.360	.109	1.966 1.588	12.1	508373 999013	Solid Ventilated

DIAMONDBACK® TREADPLATE – EZ Grip® Texture

This less aggressive texture is for applications in contact with bare feet or soft items, such as cardboard boxes.



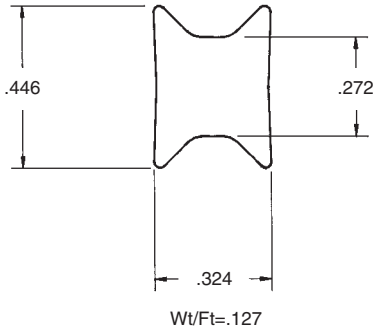
OVERALL WIDTH -A-	HEIGHT -B-	THICKNESS OF BASE -C-	EST. WT/FT	CIRCLE SIZE	SECTION	STYLE
12.000	.360	.109	1.939 1.459	12.1	517250 999155	Solid Ventilated

Sapa Industrial Extrusions

DIAMONDBACK® ACCESSORIES for 6" and 12" Deckplate

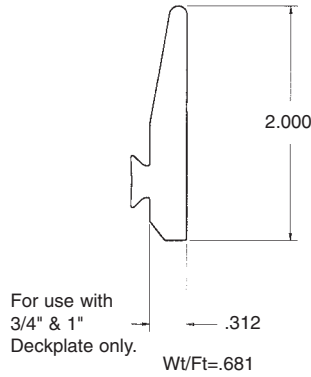
Dovetail Interlock

Section 510541



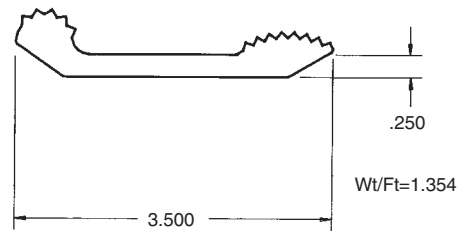
Toeboard

Section 516645

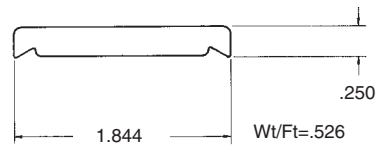


Clamp Fixture

Section 511351



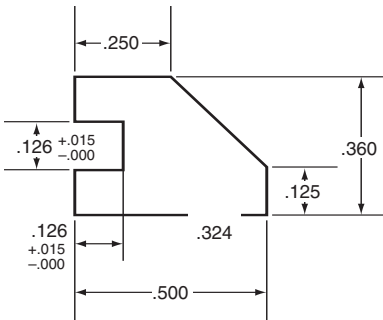
Section 511350



DIAMONDBACK® ACCESSORIES for Treadplate

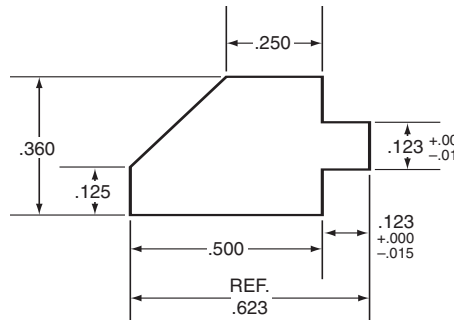
Treadplate Edgeband A

Section 509355 Wt/Ft 0.156
For use with 508373 and 517250



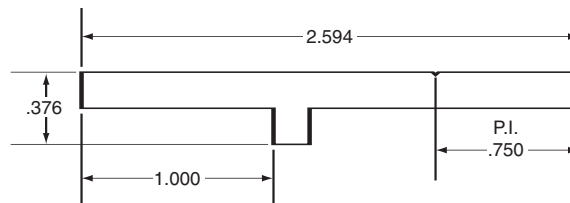
Treadplate Edgeband B

Section 509356 Wt/Ft 0.193
For use with 508373 and 517250

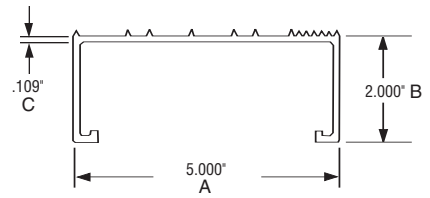


End Caps

Section 511953 Wt/Ft 0.615
Section 511954 Wt/Ft 0.726
Section 513802 Wt/Ft 1.245

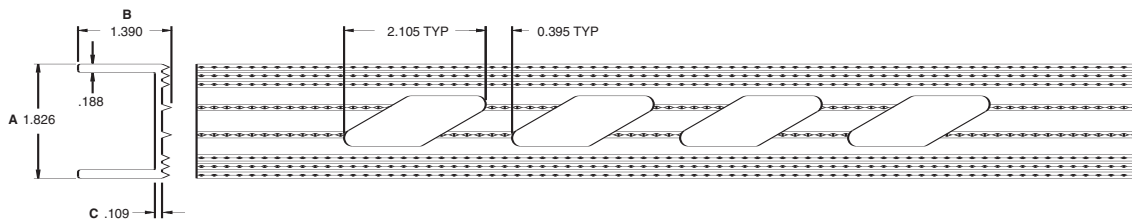


DIAMONDBACK® ACCESS STEP



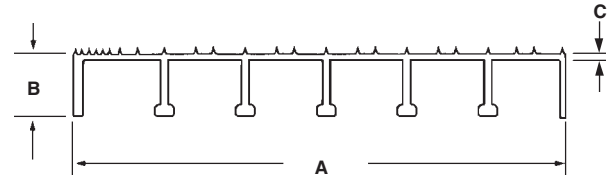
OVERALL WIDTH -A-	HEIGHT -B-	THICKNESS OF BASE -C-	EST. WT/FT	CIRCLE SIZE	SECTION	STYLE
5.000	2.000	.109	1.363 1.235	5.4	513800 999099	Solid Ventilated

DIAMONDBACK® LADDER RUNG



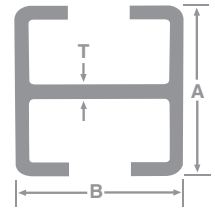
OVERALL WIDTH -A-	HEIGHT -B-	THICKNESS OF BASE -C-	EST. WT/FT	CIRCLE SIZE	SECTION	STYLE
1.826	1.390	.109	.790 .738	2.2	514910 999114	Solid Ventilated

Sapa Industrial Extrusions

DIAMONDBACK® STAIR TREAD

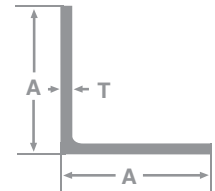
OVERALL WIDTH -A-	HEIGHT -B-	THICKNESS OF BASE -C-	EST. WT/FT	# LEGS	CIRCLE SIZE	SECTION	STYLE
7.062	1.000	.109	1.854	5	7.1	510868	Solid
			1.666			999054	Ventilated
9.062	1.500	.109	2.856	6	9.2	510964	Solid
			2.608			999056	Ventilated
10.062	1.000	.109	2.923	6	10.1	515491	Solid
			2.737			999145	Ventilated
11.062	1.500	.109	3.435	7	11.1	511676	Solid
			3.123			999075	Ventilated
12.188	1.500	.109	3.847	7	12.3	514282	Solid
			3.406			999091	Ventilated

INTEGRAL WEB CHANNEL BUS



-A-	-B-	-T-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
4.000	4.000	.250	4.282	5.4	7	507057
4.000	4.000	.312	5.276	5.4	6	88960
6.000	4.000	.375	8.110	6.9	5	250011
6.000	4.000	.375	7.005	6.6	5	69986
6.000	5.000	.375	8.881	7.4	5	78411
6.000	6.000	.550	13.241	7.9	3	86498
7.000	7.000	.500	15.034	9.2	4	167912
8.000	8.000	.500	18.105	10.5	4	61648

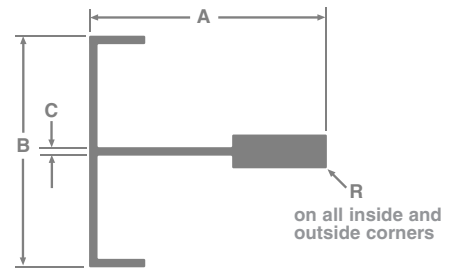
UNIVERSAL ANGLE BUS CONDUCTOR



-A-	-T-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
3.250	.250	1.839	4.6	7	88286
3.500	.250	1.986	4.9	7	502381
4.000	.250	2.268	5.7	7	244891
4.000	.375	3.354	5.7	5	142642
4.500	.375	3.727	6.4	5	335441
5.000	.375	4.234	7.1	5	249311

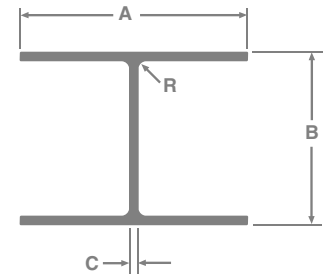
Designs are used for illustration only – actual details per section may vary.
Contact your Sales Service Representative for section details.

HIGHWAY GUARD RAIL – Post A



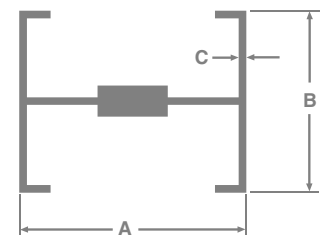
-A-	-B-	-C-	-R-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
7.500	7.250	0.250	0.062	8.350	9.2	4	245061

HIGHWAY GUARD RAIL – Post B



-A-	-B-	-C-	-R-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
7.250	5.500	.250	.125	6.768	9.1	6	512174

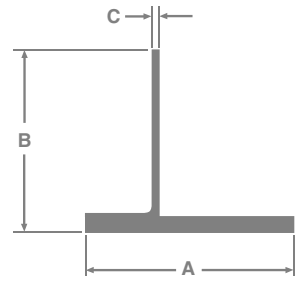
HIGHWAY GUARD RAIL – Post C



-A-	-B-	-C-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
7.188	5.750	.250	8.159	9.2	5	251781

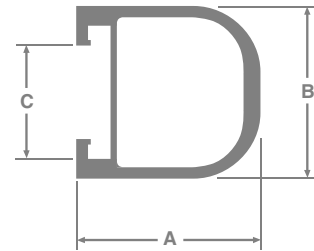
Designs are used for illustration only – actual details per section may vary.
Contact your Sales Service Representative for section details.

HIGHWAY GUARD RAIL – Post Base A



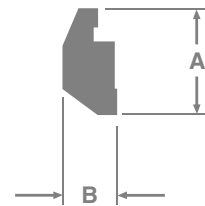
-A-	-B-	-C-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
6.625	5.750	.250	5.760	7.8	4	251791

HIGHWAY GUARD RAIL – Barrier Rail B



-A-	-B-	-C-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
4.000	3.750	2.874	4.438	4.9	6	526212

HIGHWAY GUARD RAIL – Clamp Bar

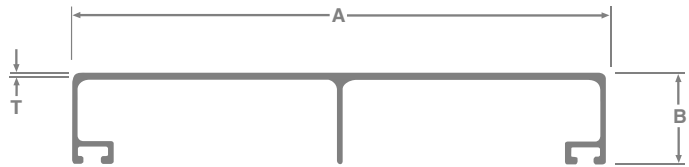


-A-	-B-	EST. WT/FT	ASSEMBLES WITH	CIRCLE SIZE	FACTOR	SECTION
1.406	0.578	0.704	328211	1.5	5	248901

Designs are used for illustration only – actual details per section may vary. Contact your Sales Service Representative for section details.

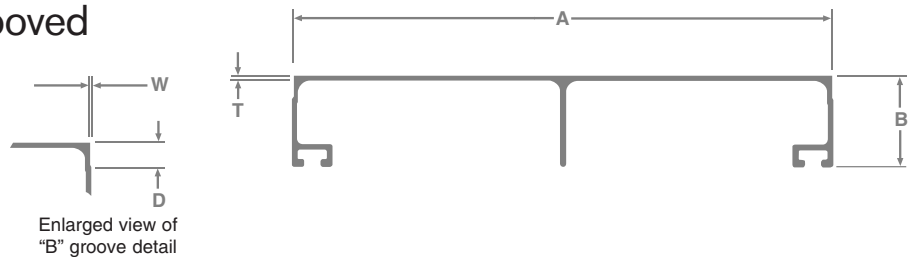
Sapa Industrial Extrusions

SIGN PANEL – Plain 12"



-A-	-B-	-T-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
12.000	2.000	.100	2.434	12.2	17	750010

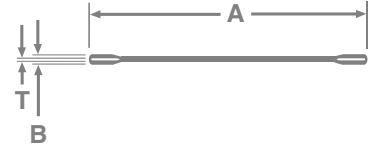
SIGN PANEL – Grooved



-A-	-B-	-T-	-W-	-D-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
6.000	2.000	.078	.007	.375	1.089	6.3	21	78144
6.000	2.000	.078	.015	.500	1.081	6.3	21	394811
12.000	2.000	.100	.015	.500	2.478	12.1	16	541353
12.000	2.000	.115	.015	.500	2.570	12.1	16	508707
12.000	2.000	.125	.007	.375	2.734	12.2	15	74239
12.000	2.000	.125	.015	.500	2.765	12.1	15	394651

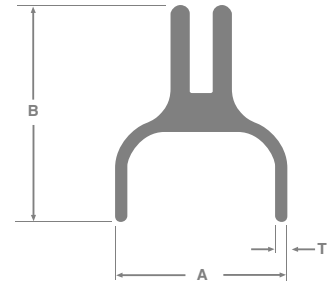
Designs are used for illustration only – actual details per section may vary.
Contact your Sales Service Representative for section details.

SIGN BLADE



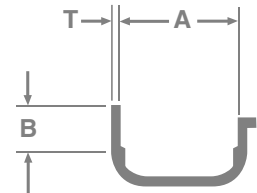
-A-	-B-	-T-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
6.000	.250	.081	1.042	6.0	13	86054
9.000	.250	.088	1.242	9.0	15	365031

SIGN BLADE BRACKET



-A-	-B-	-T-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
1.750	2.125	.125	1.060	2.5	9	501643

SIGN END CAP

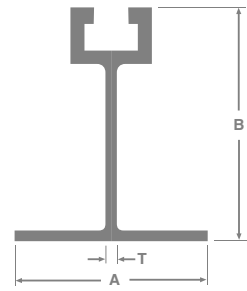


-A-	-B-	-T-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
2.000	.750	.050	.266	2.3	30	66834

Designs are used for illustration only – actual details per section may vary. Contact your Sales Service Representative for section details.

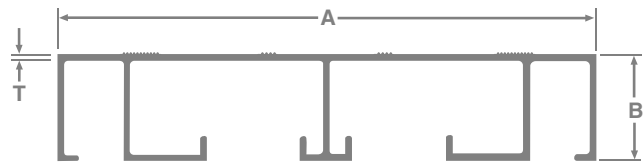
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WIND BEAM



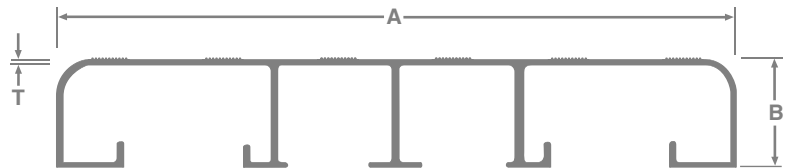
-A-	-B-	-T-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
2.500	3.000	.125	1.184	3.6	12	266281

STADIUM SEAT – Square Edge



OVERALL WIDTH -A-	HEIGHT -B-	-T-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
7.625	1.500	.094	2.151	7.8	18	504787

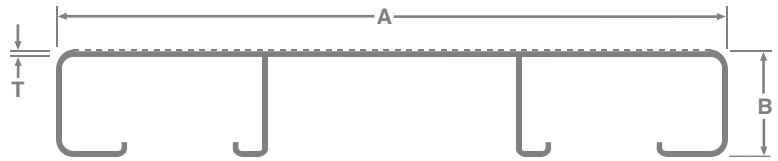
STADIUM SEAT – Rounded Edge



OVERALL WIDTH -A-	HEIGHT -B-	-T-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
9.625	1.500	.082	2.055	9.7	22	504788

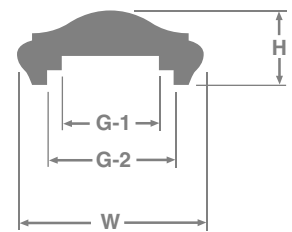
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SEAT PLANK



OVERALL WIDTH -A-	HEIGHT -B-	-T-	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
9.500	1.500	.080	1.791	9.6	21	329871

HAND RAIL



-W-	-H-	G1	G2	EST. WT/FT	CIRCLE SIZE	FACTOR	SECTION
1.562	.625	.812	1.062	.611	1.6	7	66293
1.938	.750	1.062	1.312	.783	1.9	7	504845

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