

Industrial Metals

Industrial Metals

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Industrial Metals

Introduction

T&C Metals has been serving the diverse needs of the aluminum industry since 1992. We have developed inventory and distribution systems which insure timely delivery of materials to a great many industries.

We provide users of industrial aluminum products with standard shapes of angles, bar, pipe, tubes and custom shapes made to your specifications. T&C Metals also has coil processing equipment in Tampa which enables us to cut sheets to standard and specific lengths resulting in cost savings to our customers.

This catalog is a guide to the materials currently stocked in our industrial system.

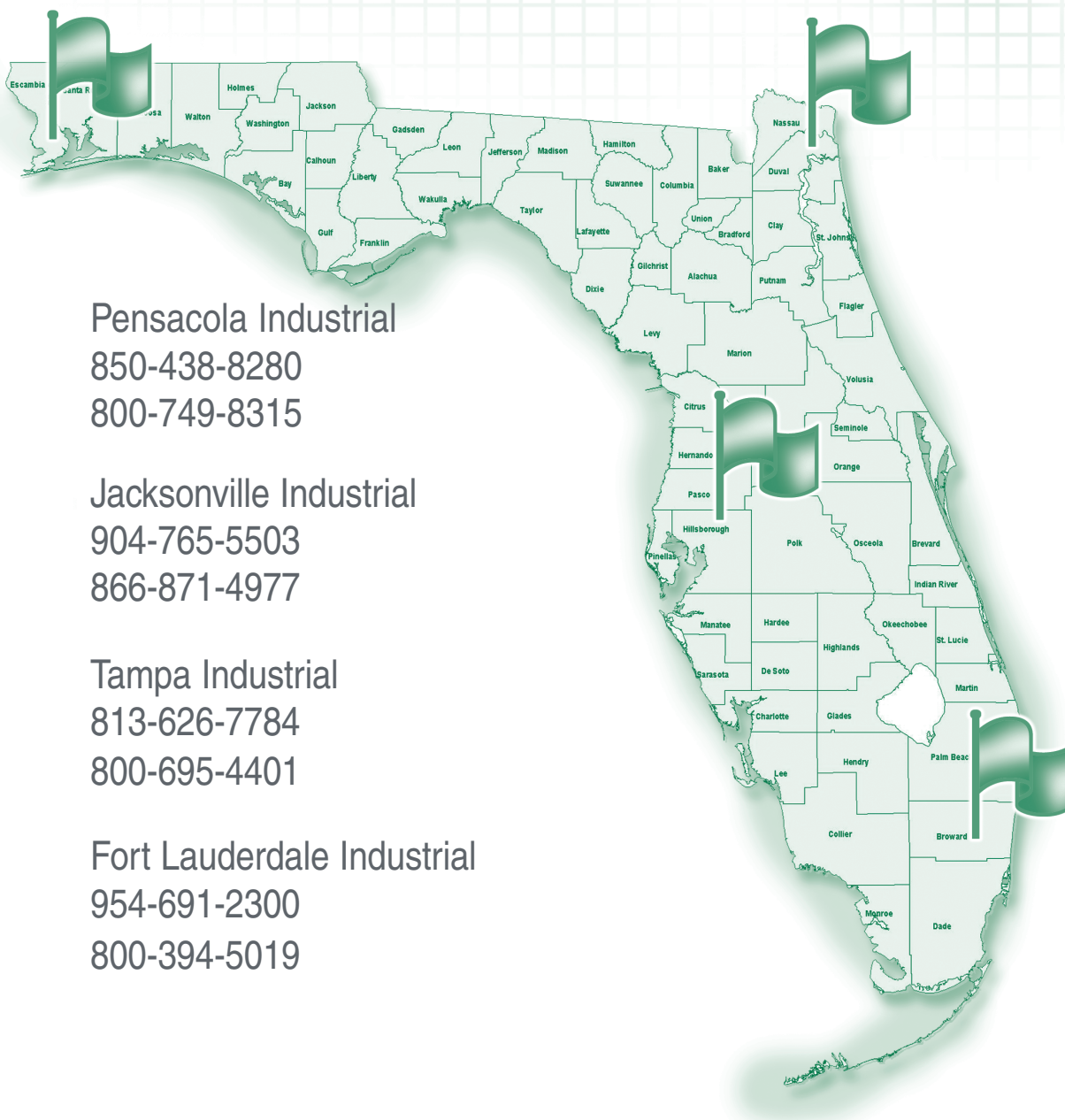
With multiple locations in the Southeastern United States, our customers have come to rely on T&C Metals associates, inventory and delivery systems. They know T&C Metals will be there with the products and service they require.

Try us. We are ready to serve your varied needs. Your T&C Metals Representative is available to answer any questions involving current inventory and any special order needs you may have.

Call on us for your next aluminum requirements. See for yourself how T&C Metal's experience, inventory and service can benefit you and your company. We thank you for the opportunity to provide our services to you.

Industrial Metals

T&C Metals LOCATIONS



Pensacola Industrial

850-438-8280

800-749-8315

Jacksonville Industrial

904-765-5503

866-871-4977

Tampa Industrial

813-626-7784

800-695-4401

Fort Lauderdale Industrial

954-691-2300

800-394-5019

Industrial Metals

Payments

All Invoices must be paid net in United States currency.

Note: We take exception to the general conditions, forms of agreement, performance and payment bonds, and retainers, or an other term or condition in the specification which is contrary to our terms and conditions.

Taxes or other charges imposed by Federal, State, or local authority shall be paid by purchaser.

Unless otherwise expressly provided, all payments are Net 30 days after date of invoice. Interest charges will be assessed on all past due balances monthly at prevailing rates.

Seller may at any time require payments in advance or satisfactory security that invoices will be paid when due, if in seller's judgement the same becomes necessary. All orders are subject to credit approval and to acceptance by seller.

Time and terms of payment are essential hereto and if any default therein be made by buyer, or if the financial responsibility of the buyer shall at any time become impaired or unsatisfactory to seller, seller shall have the right to terminate this contract without notice, or to defer or to discontinue further shipments hereunder until past due payments are made or satisfactory assurance of buyer's financial responsibility are received by seller (without prejudice, however, to any rights or claims which seller may have in law and/or in equity hereunder) and such right shall continue irrespective of any prior failure on the part of the seller to exercise such right. Each shipment is to be considered a separate sale.

Claims

The buyer's exclusive and sole remedy on account or in respect to the furnish of material does not conform to this contract, or to any express or implied warranty, shall be to secure replacement thereof as aforesaid. The seller shall not in any event be liable for the cost of any labor expended on any such material or for any special, direct, indirect incidental or consequential damages to anyone by reason of the fact that such material does not conform to this contract or to any express or implied warranty.

"Exclusions of Warranties" - The implied warranties of merchantability and fitness for purpose are excluded from this contract.

Purchaser shall, upon receipt of materials, immediately check for shortages, damages or improper material and report to T&C Metals within seven (7) days. Failure to notify shall relieve T&C Metals of any claim for such conditions.

Material may not be returned without our authorization and written consent. Our sole liability is limited to replacement of defective material.

Returned material shall be subject to company inspection. Credit for saleable materials shall be allowed at the invoiced prices, less 15% minimum handling charge.

Industrial Metals

Aluminum Sheet—Mill Finish

3003-H14, QQ-A-250/2

Part#	Size					Approx. Wt./Sht.	Approx. Wt./Sq.Ft.
	G	x	W	x	L		
LI88030	.025	x	48"	x	120"	14.25#	.356
6850010	.032	x	48"	x	120"	18.24#	.456
LI88070	.040	x	48"	x	96"	18.24#	.570
6852010	.040	x	48"	x	120"	22.80#	.570
6854010	.050	x	48"	x	120"	28.52#	.713
LI88105	.050	x	60"	x	120"	35.65#	.713
6858010	.063	x	48"	x	120"	35.92#	.898
6860012	.063	x	48"	x	144"	43.10#	.898
LI88126	.063	x	60"	x	120"	44.90#	.898
LI88127	.063	x	60"	x	144"	53.88#	.898
LI88140	.080	x	48"	x	96"	36.50#	1.140
6862010	.080	x	48"	x	120"	45.62#	1.140
LI88150	.080	x	48"	x	144"	54.77#	1.140
LI88146	.080	x	60"	x	120"	57.02#	1.140
LI88147	.080	x	60"	x	144"	68.43#	1.140
LI88168	.090	x	48"	x	96"/PVC	41.06#	1.283
6864008	.090	x	48"	x	96"	41.60#	1.283
6864010	.090	x	48"	x	120"	51.32#	1.283
LI88175	.090	x	48"	x	144"	61.58#	1.283
6866010	.090	x	60"	x	120"	64.15#	1.283
LI88176	.090	x	60"	x	144"	76.98#	1.283
6868008	.125	x	48"	x	96"	57.02#	1.782
6868010	.125	x	48"	x	120"	71.28#	1.782
LI88190	.125	x	48"	x	144"	85.54#	1.782
6869010	.125	x	60"	x	120"	89.10#	1.782
6869012	.125	x	60"	x	144"	106.92#	1.782
6870008	.190	x	48"	x	96"	86.69#	2.709
6870010	.190	x	48"	x	120"	108.375#	2.709
6871010	.250	x	48"	x	120"	144.00#	3.600

PVC one side or both sides available. Ask your T & C Metals representative.

Custom Lengths Available

Industrial Metals

Aluminum Sheet—Mill Finish

ALLOY 5052-H32, QQ-A-250/8

Part#			Size			Approx. Wt./Sht.	Approx. Wt./Sq.Ft.
	G	x	W	x	L		
6890008	.040	x	48"	x	96"	17.88#	.559
6890012	.040	x	48"	x	144"	26.83#	.559
6892012	.050	x	48"	x	144"	33.50#	.698
6894008	.063	x	48"	x	96"	28.16#	.880
6894010	.063	x	48"	x	120"	35.20#	.880
6894012	.063	x	48"	x	144"	42.24#	.880
6896012	.063	x	60"	x	144"	52.80#	.880
6898010	.080	x	48"	x	120"	44.70#	1.117
6898012	.080	x	48"	x	144"	53.62#	1.117
6900000	.080	x	72"	x	144"	80.46#	1.117
6898008	.090	x	48"	x	96"	40.23#	1.257
LI88529	.090	x	48"	x	96" w/PVC	40.23#	1.257
6900010	.090	x	48"	x	120"	50.28#	1.257
6900012	.090	x	48"	x	144"	60.34#	1.257
6902010	.090	x	60"	x	120"	62.85#	1.257
6902012	.090	x	60"	x	144"	75.42#	1.257
LI88679	.090	x	72"	x	120"	75.43#	1.257
LI88678	.090	x	72"	x	144"	90.51#	1.257
6904008	.125	x	48"	x	96"	55.87#	1.746
LI88586	.125	x	48"	x	96" w/PVC	55.87#	1.746
6904010	.125	x	48"	x	120"	69.84#	1.746
6904012	.125	x	48"	x	144"	83.81#	1.746
6906012	.125	x	48"	x	144" w/PVC	83.81#	1.746
LI88561	.125	x	48"	x	240"	139.68#	1.746
LI88562	.125	x	48"	x	168" w/PVC	98.00#	1.746
LI88563	.125	x	48"	x	192"	112.00#	1.746
LI88566	.125	x	48"	x	204" w/PVC	118.73#	1.746
6905018	.125	x	48"	x	216" w/PVC	125.71#	1.746
6908010	.125	x	60"	x	120"	87.30#	1.746
6908012	.125	x	60"	x	144"	104.76#	1.746
LI88571	.125	x	60"	x	192" w/PVC	139.68#	1.746
LI88572	.125	x	60"	x	216" w/PVC	157.50#	1.746
LI88573	.125	x	60"	x	240" w/PVC	175.00#	1.746
6909012	.125	x	72"	x	144"	126.00#	1.746
LI88592	.125	x	72"	x	240 w/PVC	210.00#	1.746
6910008	.190	x	48"	x	96"	85.25#	2.654
6910012	.190	x	48"	x	144"	127.39#	2.654
6912012	.190	x	60"	x	144"	159.24#	2.654
6919012	.190	x	72"	x	144"	191.08#	2.654

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Aluminum Plate—Mill Finish ALLOY 5052-H32, QQ-A-250/8

Part#	Size					Approx. Wt./Sht.	Approx. Wt./Sq.Ft.
LI88691	.250	x	48"	x	96"	111.74#	3.492
LI88218	.250	x	48"	x	120"	140.00#	3.492
6914012	.250	x	48"	x	144"	167.62#	3.492
6916012	.250	x	60"	x	144"	209.52#	3.492
6917412	.375	x	48"	x	144"	251.42#	5.238
6917512	.375	x	60"	x	144"	314.28#	5.238

Aluminum Sheet—Mill Finish ALLOY 6061-T6, BARE QQ-A-250/11

Part#	G	x	Size W	x	L	Wt./Sht.	Wt./Sq.Ft.
6940012	.063	x	48"	x	144"	42.67#	.889
6942012	.090	x	48"	x	144"	60.96#	1.270
6944012	.125	x	48"	x	144"	84.67#	1.764
6948012	.190	x	48"	x	144"	128.69#	2.681

Aluminum Plate—Mill Finish ALLOY 6061-T6, QQ-A-250/11

Part#	G	x	Size W	x	L	Approx. Wt./Sht.	Approx. Wt./Sq.Ft.
6952008	.250	x	48.5"	x	96.5"	119.00#	3.528
6952012	.250	x	48.5"	x	144.5"	178.00#	3.528
6953008	.375	x	48.5"	x	96.5"	178.00#	5.292
6954012	.375	x	48.5"	x	144.5"	265.00#	5.292
6956005	.500	x	48.5"	x	96.5"	238.00#	7.056
6956012	.500	x	48.5"	x	144.5"	353.00#	7.056
6958012*	.750	x	48.5"	x	144.5"	528.00#	10.584
LI88685*	1.000	x	48.5"	x	144.5"	703.00#	14.112

Shear cutting available.

Custom "Cuts" and "Drops" also available.

*Call for availability

Industrial Metals

Painted Sheet

Part#	Size					Color	Approx. Wt./Sht.
	G	x	W	x	L		
LI88953	.032	x	49"	x	78"	White/WASH	12.24#
7050008	.032	x	48"	x	96"	White/White	14.76#
7050708	.032	x	48"	x	96" PVC	White/White	14.76#
7050010	.032	x	48"	x	120"	White/White	18.45#
7050710	.032	x	48"	x	120" PVC	White/White	18.45#
7052010	.032	x	48"	x	120"	Bronze/White	18.45#
7052710	.032	x	48"	x	120" PVC	Bronze/White	18.45#
7052110	.032	x	48"	x	120"	R Brown/White	18.45#
LI88845	.032	x	48"	x	144"	White/White	22.10#
7054708	.040	x	48"	x	96" PVC	White/White	18.45#
7056708	.040	x	48"	x	96" PVC	Bronze/White	18.45#
LI88855	.040	x	48"	x	96"	Bronze/White	18.45#
7054008	.040	x	48"	x	96"	White/White	18.45#
7054010	.040	x	48"	x	120"	White/White	23.05#
7054710	.040	x	48"	x	120" PVC	White/White	23.05#
7056710	.040	x	48"	x	120" PVC	Bronze/White	23.05#
7056010	.040	x	48"	x	120"	Bronze/White	23.05#
LI89903	.040	x	48"	x	120" PVC	Black/Black	23.05#
7058710	.040	x	48"	x	120" PVC	Red/White	23.05#
7064710	.040	x	48"	x	120" PVC	Black/White	23.05#
LI88869	.040	x	48"	x	120" PVC	Orange/White	23.05#
LI88879	.040	x	48"	x	120" PVC	Pepsi Blue/White	23.05#
LI88881	.040	x	48"	x	120" PVC	Yellow/Yellow	23.05#
LI88888	.040	x	48"	x	120" PVC	Chevron Blue/White	23.05#
LI88913	.040	x	48"	x	120" PVC	Ivy Green/White	23.05#
LI88914	.040	x	48"	x	120" PVC	Ivory/White	23.05#
LI88924	.040	x	48"	x	120" PVC	Heron Blue/White	23.05#
LI88925	.040	x	48"	x	120" PVC	Shell/Light Grey	23.05#
7054712	.040	x	48"	x	144" PVC	White/White	27.65#
LI88854	.040	x	49"	x	96" PVC	White/White	18.95#
LI88877	.040	x	49"	x	96"	White/White	18.95#
LI88886	.040	x	49"	x	120" PVC	White/White	23.53#
LI88878	.040	x	49"	x	120"	White/White	23.53#
LI88895	.050	x	48"	x	120"	White/White	28.80#
7067710	.050	x	48"	x	120" PVC	White/White	28.80#
LI88951	.063	x	48"	x	96" PVC	White/White	29.02#
7068710	.063	x	48"	x	120" PVC	White/White	36.60#
LI88926	.063	x	48"	x	120" PVC	Black/White	36.60#
7068010	.063	x	48"	x	120"	White/White	36.60#
LI88928	.080	x	48"	x	120" PVC	White/White	46.60#

*See Painted Channel Letter Coil page

Industrial Metals

Tread Brite Sheet

3003-H22

Part#	G	x	Size W	x	L	Approx. Wt./Sht.
6978008	.063	x	48"	x	96"	34.25#
6979010	.063	x	48"	x	120"	42.81#
6980012	.063	x	48"	x	144"	51.38#
LI88706	.063	x	48"	x	192"	68.50#
6981008	.080	x	48"	x	96"	41.60#
6982010	.080	x	48"	x	120"	52.00#
6982012	.080	x	48"	x	144"	62.40#
6984016	.080	x	48"	x	192"	83.20#
6986008	.100	x	48"	x	96"	50.05#
6987010	.100	x	48"	x	120"	64.00#
6988012	.100	x	48"	x	144"	75.08#
6990016	.100	x	48"	x	192"	100.97#
6992008	.125	x	48"	x	96"	61.46#
6994010	.125	x	48"	x	120"	77.56#
6996012	.125	x	48"	x	144"	92.19#
6998016	.125	x	48"	x	192"	122.91#
7000008	.125	x	60"	x	96"	76.83#
6998010	.125	x	60"	x	120"	96.00#
7000016	.125	x	60"	x	192"	153.65#
7001008	.190	x	48"	x	96"	91.24#
7001016	.190	x	48"	x	192"	182.48#
7006008	.250	x	48"	x	96"	120.00#
7006010	.250	x	48"	x	120"	150.00#
7006016	.250	x	48"	x	192"	240.00#

Tread Plate/Mill Finish

6061-T6

Part#	G	x	Size W	x	L	Approx. Wt./Sht.
7026016	.250	x	48"	x	192"	234.88#
7028016	.250	x	60"	x	192"	312.00#

Expanded Metal—Mill Finish

Part#	Gauge	Size	Approx. Wt./Sht.
7110008	1-1/2" x .081	48" x 96"	6.40#
7102008	1/2" x .081	48" x 96"	14.08#
7108008	3/4" x .125	48" x 96"	19.80#

Industrial Metals

Decking/Bleacher Plank—Mill Finish

			Approx. Wt./Sht.
LI89013	1"	deck plank easy grip 12' MF	36.66#
LI86570	1.75"	x 11.5" x .078 x 20 Bleacher seat	42.60#
LI86530	1.75"	x 9.5" x 30' Bleacher seat	57.93#

Industrial Metals

Anodized Sheet 5005-H34

Part#			Size			Approx. Wt./Sht.	Approx. Wt./Sq.Ft.
	G	x	W	x	L		
7029010	.032	x	48"	x	120" PVC Clear	18.08#	.452
7070708	.040	x	48"	x	96" PVC Clear	18.24#	.570
7070710	.040	x	48"	x	120" PVC Clear	22.60#	.570
7069010	.063	x	48"	x	120" PVC Clear	36.00#	.900
7072710	.040	x	48"	x	120" PVC Dk Bronze	22.60#	.570
LI88919	.040	x	48"	x	120" PVC Brite Clear	22.60#	.570

Copper Sheet Cold Rolled Temper ASTM B11, CDA ALLOY 110

Part#			Size			Approx. Wt./Sht.	Approx. Wt./Sq.Ft.
	G	x	W	x	L		
LI86405*	16 oz.	x	36"	x	120"	30.00#	1.000

Embossed – Stucco Mill Finished

Part#			Size			Approx. Wt./Sht.	Approx. Wt./Sq.Ft.
	G	x	W	x	L		
LI88995	.040	x	48"	x	120"	23.30#	.570

Industrial Metals

Galvanized Sheet—G90

Part#	Size					Approx. Wt./Sht.
	G	x	W	x	L	
LI88780	16 ga.	x	48"	x	120"	106.24#
LI88781	18 ga.	x	48"	x	120"	86.24#
LI88782	20 ga.	x	48"	x	120"	66.24#
LI88783	22 ga.	x	48"	x	120"	56.24#
LI88784	24 ga.	x	48"	x	120"	46.24#
LI88790	26 ga.	x	36"	x	96"	21.84#
LI88786	26 ga.	x	48"	x	96"	29.12#
LI88785	26 ga.	x	48"	x	120"	36.24#
LI88787	26 ga.	x	60"	x	120"	45.31#

Galvalume

Part#	Size					Approx. Wt./Sht.
	G	x	W	x	L	
LI86497	24 ga.	x	48"	x	120"	37.55#
LI86498	26 ga.	x	48"	x	120"	28.40#

Industrial Metals

Stainless Sheet

T304/316 #2B Finish

Part#	Gauge	Approx. Wt./Sht.
68700104SS	7GA 4 X 10 SS SHT T304 2B	315.00
LI87965	10GA 4 X 10 SS SHT T304 2B	226.80
LI87960	10GA 5 X 10 SS SHT T304 2B	284.00
LI87967	11GA 4 X 8 SS SHT T304 2B	161.28
LI87973	11GA 5 X 8 SS SHT T304 2B	201.60
LI87977	11GA 4 X 10 SS SHT T304 2B	201.60
LI879776SS	11GA 4 X 10 SS SHT T316 2B	201.60
LI87974	11GA 5 X 10 SS SHT T304 2B	252.00
LI87970	11GA 5 X 10 SS SHT T316 2B	252.00
LI879786SS	12GA 4 X 8 SS SHT T316 2B	141.20
LI87978	12GA 4 X 10 SS SHT T304 2B	176.40
LI879796SS	12GA 4 X 10 SS SHT T316 2B	176.40
LI87929	14GA 4 X 8 SS SHT T304 2B	101.00
LI879476SS	14GA 4 X 8 SS SHT T316 2B	101.00
LI87979	14GA 4 X 10 SS SHT T304 2B	126.00
LI87975	14GA 5 X 10 SS SHT T304 2B	158.00
LI87969	16GA 4 X 8 SS SHT T304 2B	80.60
LI879696SS	16GA 4 X 8 SS SHT T316 2B	80.60
LI87980	16GA 4 X 10 SS SHT T304 2B	100.80
LI879846SS	16GA 4 X 10 SS SHT T316 2B	100.80
LI879962SS	16GA 4 X 12 SS SHT T304 2B	121.00
LI89788	16GA 5 X 10 SS SHT T304 2B	126.00
LI897886SS	16GA 5 X 10 SS SHT T316 2B	126.00
LI87881	18GA 4 X 8 SS SHEET T304 2B	64.51
LI87981	18GA 4 X 10 SS SHT T304 2B	80.64
LI87882	18GA 4 X 10 SS SHT T316 2B	80.64
LI87914	20GA 4 X 8 SS SHT T304 2B	48.38
LI87982	20GA 4 X 10 SS SHT T304 2B	60.48
LI879826SS	20GA 4 X 10 SS SHT T316 2B	60.48
LI87884	20GA 5 X 10 SS SHEET T304 2B	76.00
LI87983	22GA 4 X 10 SS SHT T304 2B	50.40
LI879836SS	22GA 4 X 10 SS SHT T316 2B	50.40
LI87993	2GA 4 X 12 SS SHT T304 2B	60.48
LI88983	22GA 5 X 10 SS SHT T304 2B	63.00
LI86751	24GA 4 X 8 SS SHT T304 2B	32.00
LI87984	24GA 4 X 10 SS SHEET T304 2B	40.32
LI87988	24GA 4 X 10 SS SHEET T316 2B	40.32
LI87985	26GA 4 X 10 SS SHT T304 2B	30.24
LI879856SS	26GA 4 X 10 SS SHT T316 2B	30.24

Industrial Metals

Stainless Sheet

#4 & #8 Polish

Part#	Gauge	Approx. Wt./Sht.
68700144SS	7GA 4 X 10 SS SHT T304 #4 POL	315.00
LI879674SS	11GA 4 X 8 SS SHT T304 #4 POL	161.28
LI879774SS	11GA 4 X 10 SS SHT T304 #4 POL	201.60
LI879784SS	12GA 4 X 10 SS SHT T304 #4 POL	176.40
LI87968	12GA 4 X 10 SS SHT T316L #4 POL	76.40
LI87939	14GA 4 X 8 SS SHT T304 #4 POL	101.00
LI97949	14GA 4 X 10 SS SHT T304 #4 POL	126.00
LI879496SS	14GA 4 X 10 SS SHT T316 #4 POL	126.00
LI87950	14GA 4 X 12 SS SHT T304 #4 POL	151.20
LI88975	14GA 5 X 10 SS SHT T304 #4 POL	158.00
LI87955	14GA 5 X 12 SS SHT T304 #4 POL	189.00
LI87386	16GA 3 X 10 SS SHT T304 #4 POL	76.00
LI87966	16GA 4 X 8 SS SHT T304 #4 POL	80.60
LI87986	16GA 4 X 10 SS SHT T304 #4 POL	100.80
LI879866SS	16GA 4 X 10 SS SHT T316 #4 POL	100.80
LI879964SS	16GA 4 X 12 SS SHT T304 #4 POL	121.00
LI897884SS	16GA 5 X 10 SS SHT T304 #4 POL	126.00
LI87348	18GA 3 X 10 SS SHT T304 #4 POL	61.00
LI87947	18GA 4 X 8 SS SHT T304 #4 POL	64.51
LI87948	18GA 4 X 10 SS SHT T304 #4 POL	80.64
LI87905	18GA 4 X 10 SS SHT T304 #8 POL	80.64
LI87912	18GA 4 X 12 SS SHT T304 #4 POL	96.77
LI87976	18GA 5 X 10 SS SHT T304 #4 POL	100.80
LI87916	20GA 4 X 8 SS SHT T304 #4 POL	48.38
LI87996	20GA 4 X 10 SS SHT T304 #4 POL	60.48
LI879966SS	20GA 4 X 10 SS SHT T316 #4 POL	60.48
LI87999	20GA 4 X 12 SS SHT T304 #4 POL	72.50
LI87995	20GA 4 X 10 SS SHT T304 #8 POL	60.48
LI87887	22GA 4 X 8 SS SHT T304 #4 POL	40.32
LI87987	22GA 4 X 10 SS SHT T304 #4 POL	50.40
LI87998	22GA 4 X 10 SS SHT T304 #8 POL	50.40
LI87994	22GA 4 X 12 SS SHT T304 #4 POL	61.00
LI86951	24GA 4 X 8 SS SHT T304 #4 POL	32.00
LI87951	24GA 4 X 10 SS SHT T304 #4 POL	40.32

Industrial Metals

Stainless Plate

Part#	Gauge	Approx. Wt./Sht.
LI87845	3/16 SS PLATE 304 4 X 8	275.00
68700204SS	3/16 SS PLATE 304 4 X 10	343.16
69120124SS	3/16 SS PLATE 304 5 X 12	514.74
68700106SS	3/16 SS PLATE 316 4 X 10	343.16
69100124SS	3/16 SS PLATE 304 4 X 12	412.00
LI87851	1/4 SS PLATE 304 4 X 8	357.00
LI87651	1/4 SS PLATE 316 4 X 8	357.00
69530084SS	3/8 SS PLATE 305 4 X 8	528.00
69174124SS	3/8 SS PLATE 304 4 X 12	792.00
69540204SS	3/8 SS PLATE 304 5 X 20	1650.00
LI87868	1/2 SS PLATE 316 4 X 8	693.00
69560084SS	1/2 SS PLATE 304 4 X 8	693.00
69560104SS	1/2 SS PLATE 304 4 X 10	866.52

	EXPANDED SHEET	WEIGHT
71020084SS	1/2 X #13 4 X 8 EXP FLAT SS304	56.96
71020086SS	1/2 X 16GA 4 X 8 EXP FLAT SS316	7.52
71080084SS	3/4 X 125 4 X 8 EXP FLAT SS304	62.40
71120084SS	1 1/2 X #16 4 X 8 EXP FLAT SS304	13.76

	TREAD BRIGHT	WEIGHT
69920084SS	.125 X 48 X 96 TREAD PLATE SS304	196.80
69940104SS	.125 X 48 X 120 TREAD PLATE SS304	246.00
70010084SS	.190 X 48 X 96 TREAD PLATE SS304	278.40
70010106SS	.190 X 48 X 120 TREAD PLATE SS316	348.00
70060104SS	250 X 48 X 120 TREAD PLATE SS304	450.00
70060106SS	250 X 48 X 120 TREAD PLATE SS316	450.00

	STAINLESS COIL	WEIGHT
877011304S	11GA X 48" COIL SS304 2B	10,000 LB
877012304S	12GA X 48" COIL SS304 2B	10,000 LB
877014304S	14GA X 48" COIL SS304 2B	10,000 LB
877016304S	16GA X 48" COIL SS304 2B	10,000 LB
877018304S	18GA X 48" COIL SS304 2B	10,000 LB
877020304S	20GA X 48" COIL SS304 2B	10,000 LB
877020344S	20GA X 48" COIL SS304 #4 POL	10,000 LB
877022304S	22GA X 48" COIL SS304 2B	10,000 LB
877024304S	24GA X 48" COIL SS304 2B	10,000 LB
877024344S	24GA X 48" COIL SS304 #4 POL	10,000 LB

Stainless Steel Extrusion

Flat Bar

Part#	Gauge	Approx. WT./PC.
53640124SS	1/8 X 1/2 FLAT BAR SS304 R/L 12'	2.52
52440204SS	1/8 X 3/4 FLAT BAR SS304 R/L 12'	3.83
52440206SS	1/8 X 3/4 FLAT BAR SS316 R/L 12'	3.83
7960012	1/8 X 1 FLAT BAR SS304 R/L 12'	5.10
52460126SS	1/8 X 1 FLAT BAR SS316 R/L 12'	5.10
53500124SS	1/8 X 1 1/4 FLAT BAR SS304 R/L 12'	6.50
53500126SS	1/8 X 1 1/4 FLAT BAR SS316 R/L 12'	6.37
53700124SS	1/8 X 1 1/2 FLAT BAR SS304 R/L 12'	7.66
53700126SS	1/8 X 1 1/2 FLAT BAR SS316 R/L 12'	7.66
53710124SS	1/8 X 1 3/4 FLAT BAR SS304 R/L 12'	8.82
53720124SS	1/8 X 2 FLAT BAR SS304 R/L 12'	10.08
53720126SS	1/8 X 2 FLAT BAR SS316 R/L 12'	10.08
52560204SS	1/8 X 3 FLAT BAR SS304 R/L 12'	15.12
52580124SS	1/8 X 4 FLAT BAR SS304 R/L 12'	20.40
52580126SS	1/8 X 4 FLAT BAR SS316 R/L 12'	20.40
53750124SS	1/8 X 5 FLAT BAR SS304 R/L 12'	25.20
52600204SS	1/8 X 6 FLAT BAR SS304 R/L 12'	30.24
53760123SS	3/16 X 1 FLAT BAR SS304 R/L 12'	8.58
53760126SS	3/16 X 1 FLAT BAR SS316 R/L 12'	8.58
52710123SS	3/16 X 1 1/4 FLAT BAR SS304 R/L 12'	9.56
53800124SS	3/16 X 1 1/2 FLAT BAR SS304 R/L 12'	11.75
53800126SS	3/16 X 1 1/2 FLAT BAR SS316 R/L 12'	11.75
53820084SS	3/16 X 1 3/4 FLAT BAR SS304 R/L 12'	13.43
52720204SS	3/16 X 2 FLAT BAR SS304 R/L 12'	15.60
52725316SS	3/16 X 2 1/2 FLAT BAR SS316 R/L 20'	21.44
53850126SS	3/16 X 3 FLAT BAR SS316 R/L 12'	25.74
53830124SS	3/16 X 4 FLAT BAR SS304 R/L 12'	34.32
53840124SS	3/16 X 5 FLAT BAR SS304 R/L 12'	42.90
53836124SS	3/16 X 6 FLAT BAR SS304 R/L 12'	45.90
53836126SS	3/16 X 6 FLAT BAR SS316 R/L 12'	45.90
52800204SS	1/4 X 1/2 FLAT BAR SS304 R/L 12'	5.10
79619174SS	1/4 X 1 TRUE FLAT BAR SS304 12'R/L	11.16
7961912	1/4 X 1 FLAT BAR SS304 R/L 12'	10.20
79619126SS	1/4 X 1 FLAT BAR SS316 R/L 12'	10.20
53920126SS	1/4 X 1 1/4 FLAT BAR SS316 R/L 12'	13.00
7962112	1/4 X 1 1/2 FLAT BAR SS304 R/L 12'	16.75
53940126SS	1/4 X 1 1/2 FLAT BAR SS316 R/L 12'	16.75
53983124SS	1/4 X 1 3/4 FLAT BAR SS304 R/L 12'	17.86
53941126SS	1/4 X 1 3/4 FLAT BAR SS316 R/L 12'	17.86
53980124SS	1/4 X 2 FLAT BAR SS304 R/L 12'	20.40
53980126SS	1/4 X 2 FLAT BAR SS316 R/L 12'	20.40
54000124SS	1/4 X 2 1/2 FLAT BAR SS304 R/L 12'	25.00
7962412	1/4 X 3 FLAT BAR SS304 R/L 12'	30.60

Industrial Metals

Flat Bar

Part#	Gauge	Approx. WT./PC.
54020126SS	1/4 X 3 FLAT BAR SS316 R/L 12'	30.60
54040124SS	1/4 X 4 FLAT BAR SS304 R/L 12'	41.76
54040126SS	1/4 X 4 FLAT BAR SS316 R/L 12'	44.64
54060124SS	1/4 X 5 FLAT BAR SS304 R/L 12'	55.81
7962712	1/4 X 6 FLAT BAR SS304 R/L 12'	61.20
54100124SS	1/4 X 8 FLAT BAR SS304 R/L 12'	89.28
54100126SS	1/4 X 8 FLAT BAR SS316 R/L 12'	89.28
53080204SS	3/8 X 3/4 FLAT BAR SS304 R/L 12'	11.75
54180124SS	3/8 X 1 FLAT BAR SS304 R/L 12'	16.50
54220124SS	3/8 X 1 1/2 FLAT BAR SS304 R/L 12'	23.52
54220126SS	3/8 X 1 1/2 FLAT BAR SS316 R/L 12'	23.52
54240124SS	3/8 X 2 FLAT BAR SS304 R/L 12'	30.60
54240126SS	3/8 X 2 FLAT BAR SS316 R/L 12'	33.00
54260126SS	3/8 X 2 1/2 FLAT BAR SS316 R/L 12'	38.33
53170124SS	3/8 X 3 FLAT BAR SS304 R/L 12'	45.96
54280126SS	3/8 X 3 FLAT BAR SS316 R/L 12'	45.96
54300124SS	3/8 X 4 FLAT BAR SS304 R/L 12'	61.20
54300126SS	3/8 X 4 FLAT BAR SS316 R/L 12'	61.20
54340123SS	3/8 X 6 FLAT BAR SS304 R/L 12'	98.98
54340126SS	3/8 X 6 FLAT BAR SS316 R/L 12'	98.98
56420123SS	1/2 SQUARE BAR SS304 R/L 12'	10.20
54400124SS	1/2 X 1 FLAT BAR SS304 R/L 12'	21.66
54400126SS	1/2 X 1 FLAT BAR SS316 R/L 12'	21.66
54420123SS	1/2 X 1 1/4 FLAT BAR SS304 R/L 12'	25.50
54420126SS	1/2 X 1 1/4 FLAT BAR SS304 R/L 12'	25.50
54440126SS	1/2 X 1 1/2 FLAT BAR SS316 R/L 12'	31.32
54480186SS	1/2 X 2 FLAT BAR SS316 R/L 12'	41.00
54480126SS	1/2 X 2 TRUE BAR SS316 R/L 12'	41.00
54520123SS	1/2 X 3 FLAT BAR SS304 R/L 12'	61.00
54520126SS	1/2 X 3 FLAT BAR SS316 R/L 12'	61.00
54540124SS	1/2 X 4 FLAT BAR SS304 R/L 12'	75.82
54540126SS	1/2 X 4 FLAT BAR SS316 R/L 12'	75.82
54560126SS	1/2 X 5 FLAT BAR SS316 R/L 12'	102.00
54580124SS	1/2 X 6 FLAT BAR SS304 R/L 12'	126.00
54580126SS	1/2 X 6 FLAT BAR SS316 R/L 12'	126.00
54620126SS	1/2 X 8 FLAT BAR SS316 R/L 12'	173.30
54645124SS	5/8 X 3 TRUE BAR SS304 12' R/L	6.52
54745124SS	5/8 X 4 TRUE BAR SS304 12' R/L	10.40
54774123SS	3/4 X 1 1/4 TRUE BAR SS304 12' R/L	38.29
54740123SS	3/4 X 4 FLAT BAR SS304/316 R/L 12'	122.52
54760124SS	3/4 X 6 TRUE BAR SS304 R/L 12'	184.00
56500126SS	1 1/4 SQUARE BAR SS304 R/L 12'	63.76
54800124SS	1 X 1 1/2 TRUE BAR SS304 12' R/L	70.00
55380064SS	1 X 6 TRUE BAR SS304 R/L 12'	250.80

Industrial Metals

Square Bar

Part#	Gauge	Approx. WT./PC.
56401204SS	1 1/4 SQ BAR SS304 12' R/L	2.56
56420124SS	1/2 SQ BAR SS304 12' R/L	10.2
56440124SS	5/8 SQ BAR SS304 12' R/L	15.94
56480126SS	1" SQ BAR SS316 12' R/L	42.00

Rod

56780123SS	1/8 ROUND ROD SS304 R/L 12'	0.50
7969112	3/16 ROUND ROD SS304 R/L 12'	1.13
79691126SS	3/16 ROUND ROD SS316 R/L 12'	1.13
7969212	1/4 ROUND ROD SS304 R/L 12'	2.00
7970612	1/4 ROUND ROD SS316 R/L 12'	2.00
79722124SS	5/16 ROUND ROD SS304 R/L 12'	3.13
79722126SS	5/16 ROUND ROD SS316 R/L 12'	3.13
57400124SS	3/8 ROUND ROD SS304 R/L 12'	4.51
57400126SS	3/8 ROUND ROD SS316 R/L 12'	4.51
71660124SS	7/16 ROUND ROD SS304 R/L 12'	6.13
79692202SS	1/2 ROUND ROD SS303 R/L 12'	8.02
7969220	1/2 ROUND ROD SS304 R/L 12'	8.02
79692206SS	1/2 ROUND ROD SS316 R/L 12'	8.02
57480124SS	5/8 ROUND ROD SS304 R/L 12'	12.52
57480126SS	5/8 ROUND ROD SS316 R/L 12'	12.52
LI821154SS	9/16 ROUND ROD SS304 R/L 12'	
56960122SS	3/4 ROUND ROD SS303 R/L 12'	18.02
56980124SS	3/4 ROUND ROD SS304 R/L 12'	18.02
57520124SS	7/8 ROUND BAR SS304 R/L 12'	25.00
57520126SS	7/8 ROUND BAR SS316 R/L 12'	25.00
57540123SS	1 ROUND ROD SS304 R/L 12'	32.04
57540126SS	1 ROUND ROD SS316 R/L 12'	32.04
57540184SS	1 1/8 ROUND ROD SS304 R/L 12'	40.66
57580124SS	1 1/4 ROUND BAR SS304 R/L 12'	50.08
57580126SS	1 1/4 ROUND BAR SS316 R/L 12'	50.08
57660124SS	1 1/2 ROUND ROD SS304 R/L 12'	72.10
57700124SS	1 3/4 ROUND ROD SS304 R/L 12'	98.00

Industrial Metals

Cont. Rod

Part#	Gauge	Approx. WT./PC.
57760124SS	2 ROUND ROD SS304 R/L 12'	128.22
57764124SS	2 1/4" ROUND ROD SS304 12' R/L	162.24
57880126SS	3" ROUND ROD SS316 12' R/L	288.00
57920126SS	3 1/2 ROUND ROD SS316 R/L 12'	392.52
57930126SS	3 5/8 ROUND ROD SS316 RL 12'	421.08

Hex Bar

7969221	1/2 HEX ROD SS304 R/L 12'	8.83
79690126SS	1/2 HEX ROD SS316 R/L 12'	8.83
LI849643SS	5/8 HEX ROD SS303 R/L 12'	13.80
79700126SS	5/8 HEX ROD SS316 R/L 12'	13.80
LI849674SS	1" HEX ROD SS304 R/L 12'	35.34

Stainless Steel Extrusion

Square Tube

Part#	Gauge	Approx. WT./PC.
66320204SS	3/4 X 11GA SQ TUBE MF SS304 20' R/L	22.40
66280204SS	3/4 X 16GA SQ TUBE SS304 R/L 20'	12.12
66440204SS	1 X 11GA SQ TUBE SS304 R/L 20'	28.72
65690244SS	1 X 11GA SQ TUBE SS304 20' R/L 180 GRIT	28.72
66440206SS	1 X 11GA SQ TUBE SS316 20' R/L	28.72
66430244SS	1 X 14GA SQ TUBE SS304 R/L 20'	20.70
66380203SS	1 X 16GA SQ TUBE SS304 R/L 20'	16.54
66380244SS	1 X 1 X 16GA SQ TUBE SS304 180 GRIT R/L 20'	16.54
66370203SS	1 X 18GA SQ TUBE SS304 R/L 20'	12.68
66431204SS	1 X 18GA SQ TUBE SS304 180 GRIT R/L 20'	12.68
66480204SS	1 1/4" X 16GA SQ TUBE SS304 R/L 20'	21.00
66540244SS	1 1/4" X 11GA SQ TUBE SS304 R/L 20'	36.88
66560204SS	1 1/2 X 16GA SS304 180 GRIT R/L 20'	25.38
66580244SS	1 1/2 X 14GA SQ TUBE SS304 R/L 20'	32.00
66581204SS	1 1/2 X 14GA SQ TUBE SS304 180 GRIT R/L 20'	32.00
66600204SS	1 1/2 X 11GA SQ TUBE SS304 R/L 20'	45.04
66610204SS	1 1/2 X 11GA SQ TUBE SS304 180 GRIT R/L 20'	45.04
66660084SS	1 1/2 X 1 1/2 X 7GA SQ TUBE SS304 R/L 20'	64.62
5885020	1 3/4 X 16GA SQ TUBE MF SS304 20' R/L	
66720264SS	2 X 2 X 14GA (083) SQ TUBE SS304 R/L 20'	43.28
66671204SS	2 X 2 X 14GA (083) SQ TUBE SS304 180 GRIT R/L 20'	43.28
66660243SS	2 X 2 X 16GA (065) SQ TUBE SS304 R/L 20'	34.22
5885120	2 X 16GA (065) SQ TUBE SS304 20' R/L 180 GRIT	34.22
66740246SS	2 X 11GA (125) SQ TUBE SS316 R/L 20'	61.36
66740244SS	2 X 11GA (125) SQ TUBE SS304 R/L 20'	61.36
66760206SS	2 X 3/16 SQ TUBE SS316 R/L 20'	89.10
66780203SS	2 X 1/4 SQ TUBE SS304 R/L 20'	119.00
66860204SS	3 X 3 X 11GA SQ TUBE SS304 R/L 20'	94.00
66861204SS	3 X 11GA (125) SQ TUBE SS304 20' R/L 180 GRIT	94.00
66840224SS	3 X 3 X 14GA (083) SQ TUBE SS304 R/L 20'	65.84
66840244SS	3 X 3 X 14GA (083) SQ TUBE SS304 180GRIT R/L 20'	65.84
5678021	3 X 7GA (3/16) SQ TUBE MF SS304 20' R/L	138.06
65840184SS	3 X 250 SQ TUBE SS304 20' R/L SEAMLESS	187.00
66900204SS	4 X 11GA (125) SQ TUBE MF SS304 20' R/L	126.64
66960206SS	4 X 3/16 SQ TUBE MF SS316 20' R/L	187.02
65880244SS	4 X 1/4 SQ TUBE SS304 R/L 20'	255.00
66910204SS	5 X 1/4 SQ TUBE SS304 R/L 20'	327.00

Stainless Steel Extrusion

Rect Tube

Part#	Gauge	Approx. WT./PC.
67300204SS	1/2 X 1 X 16GA (065) SS304 R/L 20'	12.12
67360203SS	1 X 1 1/2 X 11GA (125) SS304 R/L 20'	38.60
67420203SS	1 X 2 X 11GA (125) RECT TUBE SS304 20' R/L	25.38
67390204SS	1 X 2 X 14GA (083) SS304 R/L 20'	32.00
67380244SS	1 X 2 X 16GA (065) SS304 R/L 20'	25.38
67460244SS	1 X 3 X 11GA (125) SS304 R/L 20'	61.36
67463244SS	1 X 3 X 16GA (065) SS304 R/L 20'	34.22
67440204SS	1 1/2 X 2 X 11GA SS304 R/L 20'	53.20
67440204SS	1 1/2 X 2 X 11GA (125) RECT TUBE SS304 20' R/L	53.20
67540204SS	1 1/2 X 3 X 11GA (125) SS304 R/L 20'	69.52
67680204SS	2 X 3 X 11GA (125) SS304 R/L 20'	77.68
67720244SS	2 X 4 X 11GA SS304 R/L 20'	94.00
67720246SS	2 X 4 X 11GA SS316 R/L 20'	94.00
67730204SS	2 X 4 X 1/4 SS304 R/L 20'	187.00
67830204SS	3 X 4 X 11GA (125) SS304 R/L 20'	110.32
67840204SS	3 X 5 X 7GA SS304 R/L 20'	187.02
67880144SS	3 X 6 X 1/4 SS304 R/L 20'	289.00
67850204SS	4 X 6 X 11GA SS304 R/L 20'	
67860204SS	4 X 6 X 7GA SS304 R/L 20'	236.00
67900284SS	4 X 8 X 1/4 SS304 R/L 20'	

Stainless Steel Extrusion

Round Tube

Part#	Gauge	Approx. WT./PC.
66000204SS	3/8 X 065 ROUND TUBE SS304 SEAMLESS R/L 20'	
79693184SS	1/2 X 050 (18GA) RND TUBE SS304 20' R/L BUFF/POL	
66000014SS	1/2 X 065 ROUND TUBE SS304 SEAMLESS R/L 20'	6.04
S242021	1/2 X 065 (16GA) RND TUBE SS304 20' R/L BRUSHED	6.04
66555206SS	1/2 X 065 ROUND TUBE SS316 SEAMLESS R/L 20'	6.04
LI85340	5/8 X 16GA ROUND TUBE SS304 BUFF/POL R/L 20'	7.80
68000204SS	3/4 X 065 ROUND TUBE POL/WELD SS304 20'	9.50
68000244SS	3/4 X 16GA ROUND TUBE SS304 R/L 20'	9.50
68020204SS	3/4 X 16GA ROUND TUBE SS304 180 GRIT R/L 20'	9.50
68010204SS	3/4 X 14GA (083) ROUND TUBE SS304 R/L 20'	11.82
LI853414SS	7/8 X 16GA (065) RND TUBE SS304 20' R/L	11.24
68100203SS	7/8 X 16GA (065) ROUND TUBE SS304 BUFF/POL R/L 20'	11.24
68040203SS	1 X 16GA (065) RND TUBE SS304 20' R/L	12.98
68040204SS	1 X 16GA ROUND TUBE SS304 180 GRIT R/L 20'	12.98
68050204SS	1 X 065GA ROUND TUBE SS304 BUFF/POL R/L 20'	12.98
68070204SS	1 X 18GA ROUND TUBE SS304 R/L 20'	9.94
68070244SS	1 X 18GA ROUND TUBE SS304 180 GRIT R/L 20'	9.94
68060204SS	1 X 11GA ROUND TUBE SS304 R/L 20'	22.56
68061204SS	1 X 11GA (125) RND TUBE SS304 20' R/L 180 GRIT	22.56
68060206SS	1 X 120 ROUND TUBE SS316 R/L 20'	22.56
68271204SS	1.90 X 16GA RND TUBE SS304 R/L 20' 180 GRIT	
66480214SS	1-1/4 X 065 (16GA) RND TUBE SS304 20' R/L	17.64
S648951	1-1/4 X 065 (16GA) RND TUBE SS304 20' R/L 180 GRIT	17.64
S648951POL	1-1/4 X 065 (16GA) RND TUBE SS304 20' R/L POL/BUFF	17.64
68130206SS	1 1/4 X 16GA (065) ROUND TUBE SS316 R/L 20'	17.64
79693764SS	1-1/4 X 125 (11GA) RND TUBE SS304 20' R/L	
69855074SS	1 1/4 X 11GA (125) ROUND TUBE SS304 180 GRIT R/L 20'	28.96
66560203SS	1 1/2 X 16GA (065) ROUND TUBE SS304 R/L 20'	19.92
68120204SS	1 1/2 X 16GA (065) ROUND TUBE SS304 180 GRIT R/L 20'	19.92
68130204SS	1 1/2 X 065 ROUND TUBE SS304 POL/BUFF R/L 20'	19.92
7969384	1 1/2 X 11GA (125) ROUND TUBE SS304 R/L 20'	35.38
LI853453SS	1 1/2 X 11GA (125) ROUND TUBE SS304 180 GRIT R/L 20'	35.38

Stainless Steel Extrusion

Cont. Round Tube

Part#	Gauge	Approx. WT./PC.
68280204SS	1 5/8 X 16GA ROUND TUBE SS304 180 GRIT R/L 20'	21.66
68261204SS	1 3/4 X 11GA ROUND TUBE SS304 180 GRIT R/L 20'	43.22
68270204SS	1 3/4 X 16GA (065) ROUND TUBE SS304 R/L 20'	23.40
68290203SS	2 X 11GA (125) ROUND TUBE SS304 R/L 20'	48.18
68291203SS	2 X 11GA (125) RND TUBE SS304 20' R/L 180 GRIT	48.18
68162244SS	2 X 16GA (065) ROUND TUBE SS304 180 GRIT R/L 20'	26.86
68162243SS	2 X 16GA (065) ROUND TUBE SS304 R/L 20'	26.86
68140204SS	2 X 18GA (050) ROUND TUBE SS304 180 GRIT R/L 20'	
66810203SS	2 1/2 X 16GA ROUND TUBE SS304 R/L 20'	33.80
66810204SS	2 1/2 X 16GA ROUND TUBE SS304 180 GRIT R/L 20'	33.80
68300204SS	2 1/2 X 11GA (125) ROUND TUBE SS304 R/L 20'	62.00
68300136SS	2 1/2 x 1/4 ROUND TUBE 316 SEAMLESS R/L 20'	
68180204SS	3 X 16GA (065) ROUND TUBE SS304 180 GRIT R/L 20'	40.75
68290204SS	4 X 14GA (083) ROUND TUBE SS304 R/L 20'	
68220204SS	5 X 14GA (083) ROUND TUBE SS304 R/L 20'	
68480204SS	6 X 12GA (109) ROUND TUBE SS304 R/L 20'	

Elbows

Part#	Gauge
LP24000	1 1/4" SCH40S 304/304L LR-90 ELBOW
LP42002	2" SCH40 SS304 SR-90 ELBOW

Stainless Steel Extrusion

Pipe Part#	Gauge	Approx. WT./PC.
63510204SS	1/4 SCH40 PIPE SS304 R/L 20'	8.5
63440204SS	1/4 SCH80 PIPE SS304 SMLS R/L 20'	10.70
63480204SS	3/8 SCH40 PIPE SS304 R/L 20'	11.36
63500204SS	1/2 SCH40 PIPE SS304 R/L 20'	17.02
63500206SS	1/2 SCH40 PIPE SS316 R/L 20'	17.02
65200204SS	3/4 SCH10 PIPE SS304 R/L 20'	17.14
65200206SS	3/4 SCH10 PIPE SS316 R/L 20'	17.14
64040204SS	3/4 SCH40 PIPE SS304 R/L 20'	22.62
64040206SS	3/4 SCH40 PIPE SS316 R/L 20'	22.62
64040214SS	3/4 SCH80 PIPE SS304 R/L 20'	29.48
64060204SS	1 SCH40 PIPE SS304 R/L 20'	33.58
64060206DD	1 SCH40 PIPE SS316 R/L 20'	33.58
64061206SS	1 SCH40 SEAMLESS PIPE SS316 R/L 20'	33.58
64860204SS	1 SCH80 PIPE SS304 R/L 20'	43.44
65220204SS	1 1/4 SCH10 PIPE SS304 R/L 20'	36.12
6522020PSS	1 1/4 SCH10 PIPE SS304 180 GRIT R/L 20'	36.12
63560204SS	1 1/4 SCH40 PIPE SS304 R/L 20'	45.46
63561204SS	1 1/4 SCH40 PIPE SS304 20' R/L 180 GRIT	45.46
63560106SS	1 1/4 SCH40 PIPE SS316 R/L 20'	45.46
65240204SS	1 1/2 SCH10 PIPE SS304 R/L 20'	42.08
63580204SS	1 1/2 SCH40 PIPE SS304 R/L 20'	54.36
63580206SS	1 1/2 SCH40 PIPE SS316 R/L 20'	54.36
64860206SS	1 1/2 SCH80 PIPE SS316L R/L 20'	73.30
65270204SS	2 SCH10 PIPE SS304 R/L 20'	52.76
65270206SS	2 SCH10 PIPE SS316 R/L 20'	52.76
7964020	2 SCH40 PIPE SS304L R/L 20'	73.06
63601204SS	2 SCH40 PIPE SS304 20' R/L 180 GRIT	73.06
79640206SS	2 SCH40 PIPE SS316 R/L 20'	73.06
64880204SS	2 SCH80 PIPE SS304 20' R/L	100.44
64880206SS	2 SCH80 PIPE SS316L 20' R/L	100.44
65280204SS	2 1/2 SCH10 PIPE SS304 20' R/L	70.62
S242120	2 1/2 SCH40 PIPE SS304 20' R/L	115.86
65260206SS	3 SCH10 PIPE SS316 20' R/L	87.44
64160206SS	3 SCH40 PIPE SS316 R/L 20'	151.52
63610204SS	3 1/2" SCH10 PIPE SS304 20' R/L	99.40
64200204SS	4 SCH40 PIPE SS304 R/L 20'	218.00
64600204SS	4 SCH10 PIPE SS304 20' R/L	112.26
65250204SS	10" SCH10 PIPE SS304 20' R/L	374.00

Stainless Steel Extrusion

Angle

Part#

Gauge

Approx.

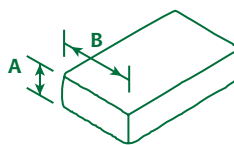
WT/PC.

50040203SS	3/4 X 3/4 X 1/8 ANGLE SS304 R/L 20'	11.98
50120204SS	1 X 1 X 1/8 ANGLE SS304 R/L 20'	16.00
50120206SS	1 X 1 X 1/8 ANGLE SS316 R/L 20'	16.00
51040204SS	1 X 1 X 3/16 STR ANG SS304 R/L 20'	23.60
50150204SS	1 X 1 X 1/4 STR ANG SS304 R/L 20'	30.40
50160206SS	1 1/4 X 1 1/4 X 1/8 ANGLE SS316 R/L 20'	20.60
51100274SS	1 1/4 X 1 1/4 X 1/4 ANGLE SS304 R/L 20'	39.20
51100253SS	1 1/4 X 1 1/4 X .188 ANGLE SS304 R/L 20'	30.20
50220204SS	1 1/2 X 1 1/2 X 11GA ANGLE SS304 R/L 20'	25.00
50220206SS	1 1/2 X 1 1/2 X 11GA ANGLE SS316 R/L 20'	25.00
50240204SS	1 1/2 X 1 1/2 X 3/16 ANGLE SS304 R/L 20'	36.60
50240206SS	1 1/2 X 1 1/2 X 3/16 ANGLE SS316 R/L 20'	36.60
51180204SS	1 1/2 X 1 1/2 X 1/4 ANGLE SS304 R/L 20'	47.00
50320204SS	2 X 2 X 1/8 ANGLE SS304 R/L 20'	33.60
50320206SS	2 X 2 X 1/8 ANGLE SS316 R/L 20'	33.60
7968920	2 X 2 X 1/4 ANGLE SS304 R/L 20'	64.00
79689206SS	2 X 2 X 1/4 ANGLE SS316 R/L 20'	64.00
51320203SS	2 X 2 X 3/16 ANGLE SS304 R/L 20'	49.80
51360204SS	2 X 2 X 3/8 ANGLE SS304 R/L 20'	94.00
51920254SS	2 X 3 X 3/16 ANGLE SS304 20' R/L	61.40
51400204SS	2 1/2 X 2 1/2 X 3/16 ANGLE SS304 R/L 20'	62.60
51420254SS	2 1/2 X 2 1/2 X 1/4 ANGLE SS304 R/L 20'	88.20
51480203SS	3 X 3 X 1/4 ANGLE SS304 R/L 20'	98.00
51480206SS	3 X 3 X 1/4 STR ANGLE SS316 R/L 20'	98.00
51460256SS	3 X 3 X 3/16 STR ANGLE SS316 R/L 20'	
7968520	3 X 3 X 3/8 STR ANGLE SS304 R/L 20'	144.00
52100256SS	3 X 4 X 3/8 STR ANGLE SS316 R/L 20'	177.70
51430254SS	3 1/2 X 3 1/2 X 1/4 STR ANG SS304 20' R/L	125.38
51510204SS	3-1/2 X 3-1/2 X 3/8 ANGLE SS304 20' R/L	172.60
50760244SS	4 X 2 X 1/4 STR ANGLE SS304 20' R/L	98.00
51600204SS	4 X 4 X 1/4 ANGLE SS304 R/L 20'	135.00
51600256SS	4 X 4 X 1/4 STR ANGLE SS316 R/L 20'	135.00
51620204SS	4 X 4 X 3/8 STR ANGLE SS304 R/L 20'	196.00
52200254SS	4 X 6 X 3/8 ANGLE SS304 R/L 20'	246.00
52200256SS	4 X 6 X 3/8 ANGLE SS316 R/L 20'	263.75
52210204SS	4 X 6 X 1/2 ANGLE SS304 20' R/L	324.00

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Industrial Metals

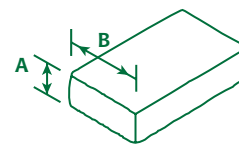
Flat Bar—Mill Finish 6063-T52, QQ-A-200/9



Part#	Description			Length 20'	Approx. Wt./Ft.
	A"	x	B"		
5240020	1/8	x	1/2	20'	.078#
5244020	1/8	x	3/4	20'	.113#
5246020	1/8	x	1	20'	.150#
5250020	1/8	x	1-1/2	20'	.225#
5254020	1/8	x	2	20'	.300#
5256020	1/8	x	3	20'	.450#
5258020	1/8	x	4	20'	.600#
5260016	1/8	x	6	16'	.900#
5260020	1/8	x	6	20'	.900#
5262020	3/16	x	1/2	20'	.113#
5264020	3/16	x	3/4	20'	.169#
5266020	3/16	x	1	20'	.226#
5270020	3/16	x	1-1/2	20'	.338#
5272016	3/16	x	2	16'	.451#
5272020	3/16	x	2	20'	.451#
5276020	3/16	x	3	20'	.677#
5278020	3/16	x	4	20'	.902#
5280020	1/4	x	1/2	20'	.150#
5284020	1/4	x	3/4	20'	.226#
5286020	1/4	x	1	20'	.300#
LI83540	1/4	x	1-1/4	12'	.376#
5290020	1/4	x	1-1/2	20'	.450#
5294020	1/4	x	2	20'	.600#
5298020	1/4	x	3	20'	.900#
5300020	1/4	x	4	20'	1.200#
5302020	1/4	x	6	20'	1.800#
5304020	3/8	x	1/2	20'	.225#
5308020	3/8	x	3/4	20'	.337#
5310020	3/8	x	1	20'	.450#
5312020	3/8	x	1-1/4	20'	.563#
5314020	3/8	x	1-1/2	20'	.675#
5316020	3/8	x	2	20'	.900#
LI83841	3/8	x	3	12'	1.350#
5320020	3/8	x	4	20'	1.800#
5324020	1/2	x	1	20'	.600#
5328020	1/2	x	1-1/2	20'	.900#
5330020	1/2	x	2	20'	1.200#
5334020	1/2	x	3	20'	1.800#

Industrial Metals

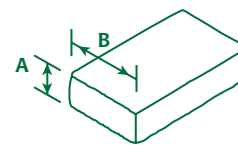
Flat Bar—Mill Finish 6061-T6 & T6511, QQ-A-200/8



Part#	Description			Length	Approx. Wt./Ft.
	A"	x	B"		
5366012	1/8	x	1	12'	.150#
5370012	1/8	x	1-1/2	12'	.225#
5372012	1/8	x	2	12'	.300#
5376012	3/16	x	1	12'	.226#
5378012	3/16	x	1-1/4	12'	.275#
5380012	3/16	x	1-1/2	12'	.338#
5382012	3/16	x	2	12'	.451#
5385012	3/16	x	3	12'	.677#
5383012	3/16	x	4	12'	.902#
5386012	1/4	x	1/2	12'	.150#
5388012	1/4	x	3/4	12'	.226#
5390012	1/4	x	1	12'	.300#
LI83526	1/4	x	1	18'	.300#
5392012	1/4	x	1-1/4	12'	.376#
5394012	1/4	x	1-1/2	12'	.450#
5398012	1/4	x	2	12'	.600#
5400012	1/4	x	2-1/2	12'	.735#
5402012	1/4	x	3	12'	.900#
5402512	1/4	x	3-1/4	12'	.956#
5403012	1/4	x	3-1/2	12'	1.050#
5404012	1/4	x	4	12'	1.200#
5406012	1/4	x	5	12'	1.500#
5408012	1/4	x	6	12'	1.800#
5410012	1/4	x	8	12'	2.352#

Industrial Metals

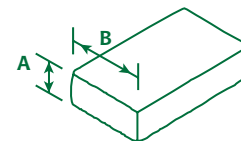
Flat Bar—Mill Finish 6061-T6 & T6511, QQ-A-200/8



Part#	Description			Length	Approx. Wt./Ft.
	A"	x	B"		
5418012	3/8	x	1	12'	.450#
5420012	3/8	x	1-1/4	12'	.563#
5422012	3/8	x	1-1/2	12'	.675#
5424012	3/8	x	2	12'	.900#
5426012	3/8	x	2-1/2	12'	1.125#
5428012	3/8	x	3	12'	1.350#
5430012	3/8	x	4	12'	1.800#
5432012	3/8	x	5	12'	2.205#
5434012	3/8	x	6	12'	2.645#
5436012	3/8	x	8	12'	3.528#
5438012	1/2	x	3/4	12'	.450#
5440012	1/2	x	1	12'	.600#
5442012	1/2	x	1-1/4	12'	.734#
5444012	1/2	x	1-1/2	12'	.900#
5448012	1/2	x	2	12'	1.200#
LI84070	1/2	x	2-1/4	12'	1.350#
5450012	1/2	x	2-1/2	12'	1.500#
5452012	1/2	x	3	12'	1.800#
LI84140	1/2	x	3-1/2	12'	2.100#
5454012	1/2	x	4	12'	2.400#
LI84180	1/2	x	4-1/2	12'	2.700#
5456012	1/2	x	5	12'	2.940#
5458012	1/2	x	6	12'	3.600#
5462012	1/2	x	8	12'	4.704#
LI84300	5/8	x	2	12'	1.500#
LI84325	5/8	x	2-1/2	12'	1.837#
LI84335	5/8	x	3	12'	2.250#
LI84340	5/8	x	3-1/2	12'	2.580#
LI84342	5/8	x	4	12'	3.000#
LI84343	5/8	x	4.5	12'	3.308
LI84344	5/8	x	5	12'	3.750#
5465012	5/8	x	6	12'	4.410#

Industrial Metals

Flat Bar—Mill Finish 6061-T6 & T6511, QQ-A-200/8



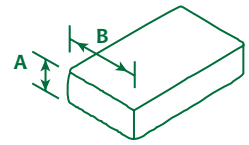
Part#	Description			Length	Approx. Wt./Ft.
	A"	x	B"		
5466012	3/4	x	1	12'	.881#
5469012	3/4	x	1-1/2	12'	1.350#
5470012	3/4	x	2	12'	1.800#
5471012	3/4	x	2-1/2	12'	2.250#
5472012	3/4	x	3	12'	2.640#
5474012	3/4	x	4	12'	3.528#
5475012	3/4	x	5	12'	4.500#
5476012	3/4	x	6	12'	5.400#
5477012	3/4	x	8	12'	7.056#
5478012	1	x	1-1/4	12'	1.470#
5480012	1	x	1-1/2	12'	1.800#
5482012	1	x	2	12'	2.352#
5484012	1	x	2-1/2	12'	2.940#
LI 84551	1	x	2-3/4	12'	3.300#
5486012	1	x	3	12'	3.528#
5490012	1	x	4	12'	4.800#
5492012	1	x	6	12'	7.200#
5494012	1-1/4	x	1-1/2	12'	2.205#
5497012	1-1/4	x	3	12'	4.410#
LI84657	1-1/4	x	4	12'	5.880#
5498012	1-1/2	x	2	12'	3.527#
LI84680	1-1/2	x	2-1/2	12'	4.400#
5500012	1-1/2	x	3	12'	5.292#
5501012	1-1/2	x	3-1/2	12'	6.300#
5499012	1-1/2	x	4	12'	7.056#
5505012	1-1/2	x	8	12'	15.100#
5504012	2	x	3	12'	7.057#
LI84748	2	x	3-1/2	12'	8.232#
5506012	2	x	4	12'	9.408#

All 6061-T6 Flat Bar are 12' in length

Industrial Metals

Mini Plate—Mill Finish

6061-T6511, QQ-A-200/8



Part#	Description			Length	Approx. Wt./Ft.
	A"	x	B"		
5412012	1/4	x	10	12'	2.940#
5530012	1/4	x	12	12'	3.528#
5437012	3/8	x	10	12'	4.410#
5532012	3/8	x	12	12'	5.292#
5464012	1/2	x	10	12'	5.880#
5534012	1/2	x	12	12'	7.056#
LI89034	1/2	x	14	12'	8.232#
5536012	3/4	x	12	12'	10.584#
5538012	1	x	12	12'	14.400#

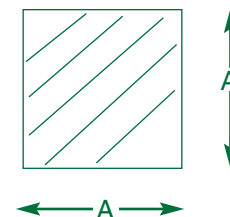
All Mini Plate are 12' in length

Industrial Metals

Square Bar—Mill Finish

6063-T5, QQ-A-200/9

Part#	Description	Length	Approx. Wt./Ft.
5600020	1/4" sq.	20'	.075#
5606020	1/2" sq.	20'	.300#
5608020	5/8" sq.	20'	.468#
5610020	3/4" sq.	20'	.674#
5612020	1" sq.	20'	1.200#



Square Bar—Mill Finish

6061-T6511, QQ-A-200/8

Part#	Description	Length	Approx. Wt./Ft.
5642012	1/2" sq.	12'	.300#
5644012	5/8" sq.	12'	.459#
5646012	3/4" sq.	12'	.674#
5648012	1" sq.	12'	1.200#
5650012	1-1/4" sq.	12'	1.888#
5652012	1-1/2" sq.	12'	2.745#
5656012	2" sq.	12'	4.699#
5658012	2-1/4" sq.	12'	5.947#

Industrial Metals

Round Bar—Extruded—Mill Finish

6063-T5, QQ-A-200/9— *Various Lengths*

Part#	Diameter A	Length	Approx. Wt./Ft.
LI82060	5/16"	12'	.090#
5692020	3/8"	20'	.133#
5694020	1/2"	20'	.235#
LI82115	9/16"	12'	.292#
5696020	5/8"	20'	.368#
5698020	3/4"	20'	.530#



Round Bar—Extruded—Mill Finish

6061-T6511, QQ-A-200/8 — *12' in Length*

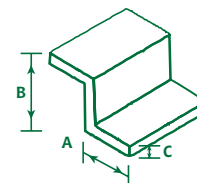
Part#	Diameter A	Length	Approx. Wt./Ft.	Part#	Diameter A	Length	Approx. Wt./Ft.
5736012	1/4"	12'	.059#	5776012	2"	12'	3.691#
5740012	3/8"	12'	.133#	5778012	2-1/8"	12'	4.170#
5744012	1/2"	12'	.235#	5780012	2-1/4"	12'	4.771#
5748012	5/8"	12'	.368#	5782012	2-1/2"	12'	5.733#
5750012	3/4"	12'	.530#	5788012	3"	12'	8.304#
5752012	7/8"	12'	.716#	5790012	3-1/4"	12'	9.746#
5754012	1"	12'	.943#	5792012	3-1/2"	12'	11.303#
5758012	1-1/4"	12'	1.472#	5798012	4"	12'	14.763#
5766012	1-1/2"	12'	2.110#	5802012	4-1/2"	12'	18.694#
5768012	1-5/8"	12'	2.439#	5804012	5"	12'	23.091#
5770012	1-3/4"	12'	2.826#	5808012	6"	12'	33.250#
				5810012	6-1/2"	12'	38.988#
				5816012	8"	12'	59.091#

Industrial Metals

Structural Zee Bar–Mill Finish

6061-T6, QQ-A-200/16

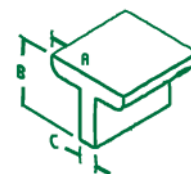
Part#	Dimensions					Length	Approx. Wt./Ft.
	A	x	B	x	C		
6312025	1.750"	x	1.750"	x	0.188"	25'	1.104#
6314025	3.000"	x	2.688"	x	0.250"	25'	2.381#
6320025	4.062"	x	3.125"	x	0.312"	25'	3.575#
6312000	1.750"	x	1.750"	x	0.188"	8'	1.104# – Slotted



Tee Bar–Mill Finish

6061-T6, QQ-A-200/16

Part#	Dimensions					Length	Approx. Wt./Ft.
	A	x	B	x	C		
6272025	1-1/2"	x	1-1/2"	x	3/16"	25'	.700#
6276025	2"	x	2"	x	1/4"	25'	1.260#
L181842	2"	x	2"	x	1/4"	32'	1.260#

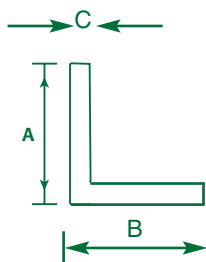


Industrial Metals

Architectural Angle — Equal Legs/Mill Finish

6063-T5, QQ-A-200/9 — 20' in Length

Part#	Description					Length	Approx. Wt./Ft.
	A	x	B	x	C		
5000020	1/2"	x	1/2"	x	1/16"	20'	.069#
5002020	3/4"	x	3/4"	x	1/16"	20'	.107#
5004020	3/4"	x	3/4"	x	1/8"	20'	.206#
5010020	1"	x	1"	x	1/16"	20'	.144#
5012020	1"	x	1"	x	1/8"	20'	.276#
5015020	1"	x	1"	x	1/4"	20'	.525#
5016020	1-1/4"	x	1-1/4"	x	1/8"	20'	.356#
5020020	1-1/2"	x	1-1/2"	x	1/16"	20'	.219#
5022020	1-1/2"	x	1-1/2"	x	1/8"	20'	.431#
5020024	1-1/2"	x	1-1/2"	x	1/16"	24'6"	.219#
5022024	1-1/2"	x	1-1/2"	x	1/8"	24'6"	.431#
5024020	1-1/2"	x	1-1/2"	x	3/16"	20'	.633#
5024025	1-1/2"	x	1-1/2"	x	3/16"	25'	.633#
5028020	2"	x	2"	x	1/16"	20'	.293#
5032020	2"	x	2"	x	1/8"	20'	.581#
5034020	2"	x	2"	x	3/16"	20'	.859#
5036020	2"	x	2"	x	1/4"	20'	1.124#
5038020	3"	x	3"	x	1/8"	20'	.881#
L180180	3"	x	3"	x	3/16"	20'	1.322#
5039020	3"	x	3"	x	1/4"	20'	1.725#

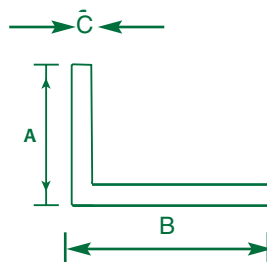


Industrial Metals

Architectural Angle — Unequal Legs/Mill Finish

6063-T5, QQ-A-200/9 — 20' in Length

Part#	Description					Length	Approx. Wt./Ft.
	A	x	B	x	C		
LI80025	1/2"	x	1"	x	1/16"	20'	.107#
5040020	1/2"	x	1"	x	1/8"	20'	.206#
LI86371	1/2"	x	1-1/2"	x	1/8"	24'	.281#
5050020	3/4"	x	1-1/2"	x	1/8"	20'	.319#
5052020	1"	x	1-1/2"	x	1/8"	20'	.356#
5054020	1"	x	2"	x	1/16"	20'	.218#
5058020	1"	x	2"	x	1/8"	20'	.431#
5062020	1"	x	3"	x	1/8"	20'	.582#
5068020	1-1/2"	x	2"	x	1/8"	20'	.506#
5068024	1-1/2"	x	2"	x	1/8"	24'6"	.506#
5074020	2"	x	3"	x	1/8"	20'	.750#
5076020	2"	x	4"	x	1/8"	20'	.881#
5080020	2"	x	5"	x	1/8"	20'	1.031#

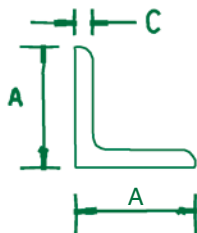


Industrial Metals

Structural Angle — Equal Legs/Mill Finish

6061-T6, QQ-A-200/16 — 25' in Length

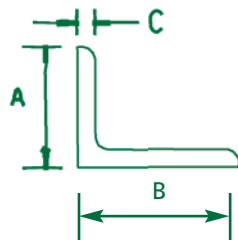
Part#	Description					Length	Approx. Wt./Ft.
	A	x	A	x	C		
5102025	1"	x	1"	x	1/8"	25'	.280#
5104025	1"	x	1"	x	3/16"	25'	.406#
5106025	1"	x	1"	x	1/4"	25'	.514#
5108025	1-1/4"	x	1-1/4"	x	1/8"	25'	.343#
5110025	1-1/4"	x	1-1/4"	x	3/16"	25'	.522#
5114025	1-1/2"	x	1-1/2"	x	1/8"	25'	.440#
5116025	1-1/2"	x	1-1/2"	x	3/16"	25'	.640#
5118025	1-1/2"	x	1-1/2"	x	1/4"	25'	.830#
5124025	1-3/4"	x	1-3/4"	x	3/16"	25'	.744#
5130025	2"	x	2"	x	1/8"	25'	.588#
5132025	2"	x	2"	x	3/16"	25'	.870#
5134025	2"	x	2"	x	1/4"	25'	1.110#
5136025	2"	x	2"	x	3/8"	25'	1.606#
5140025	2-1/2"	x	2-1/2"	x	3/16"	25'	1.070#
5142025	2-1/2"	x	2-1/2"	x	1/4"	25'	1.404#
5146025	3"	x	3"	x	3/16"	25'	1.275#
5148025	3"	x	3"	x	1/4"	25'	1.730#
5150025	3"	x	3"	x	3/8"	25'	2.474#
5160025	4"	x	4"	x	1/4"	25'	2.350#
5162025	4"	x	4"	x	3/8"	25'	3.366#
5166025	5"	x	5"	x	3/8"	25'	4.237#
5170025	6"	x	6"	x	3/8"	25'	5.119#



Structural Angle — Unequal Legs/Mill Finish

6061-T6, QQ-A-200/16 — 25' in length

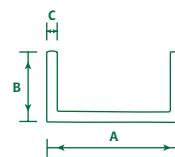
Part#	Description					Length	Approx. Wt./Ft.
	A	x	B	x	C		
5189025	1-1/2"	x	2-1/2"	x	1/4"	25'	1.110#
5192025	2"	x	3"	x	3/16"	25'	1.090#
5194025	2"	x	3"	x	1/4"	25'	1.405#
5196025	2"	x	3"	x	3/8"	25'	2.046#
5202025	3"	x	3-1/2"	x	1/4"	25'	1.842#
5208025	3"	x	4"	x	1/4"	25'	1.988#
5210025	3"	x	4"	x	3/8"	25'	2.926#
5214025	3"	x	5"	x	3/8"	25'	3.349#
5218025	3-1/2"	x	6"	x	3/8"	25'	4.040#
5220025	4"	x	6"	x	3/8"	25'	4.237#



Industrial Metals

Architectural Channel

6063-T5 — 20' in Length, Mill Finish



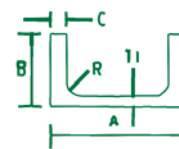
Part#	Description					Length	Approx. Wt./Ft.
	A	x	B	x	C		
5838020	1/2"	x	1/2"	x	1/16"	20'	.102#
5848020	3/4"	x	3/4"	x	1/8"	20'	.300#
5850020	1"	x	1/2"	x	1/8"	20'	.263#
5852020	1"	x	1"	x	1/8"	20'	.431#
5854020	1-1/4"	x	1/2"	x	1/8"	20'	.300#
5856020	1-1/4"	x	3/4"	x	1/8"	20'	.376#
5860020	1-1/4"	x	1-1/4"	x	1/8"	20'	.526#
5862020	1-1/2"	x	1/2"	x	1/8"	20'	.337#
5864020	1-1/2"	x	3/4"	x	1/8"	20'	.413#
5866020	1-1/2"	x	1"	x	1/8"	20'	.487#
5868020	1-1/2"	x	1-1/2"	x	1/8"	20'	.637#
5872020	1-3/4"	x	3/4"	x	1/8"	20'	.450#
5872024	1-3/4"	x	3/4"	x	1/8"	24'	.450#
LI81183	1-3/4"	x	1-3/4"	x	.093"	24'	.562#
5876020	2"	x	1/2"	x	1/8"	20'	.413#
5877020	2"	x	3/4"	x	1/8"	20'	.478#
5928024	2"	x	1"	x	.093"	24'	.425#
5878020	2"	x	1"	x	1/8"	20'	.564#
LI86725	2"	x	1-1/2"	x	1/8"	24'	.713#
5880020	2"	x	2"	x	1/8"	20'	.861#
5888020	3"	x	1"	x	1/8"	20'	.713#
LI82000	3"	x	2-1/4"	x	1/4"	20'	2.100#
5890020	4"	x	1"	x	1/8"	20'	.862#

Industrial Metals

Structural Channel—Mill Finish

Aluminum Association (AA)

6061-T6, QQ-A-200/16 — 25' in Length



Part#	Description					T1	R	Length	Approx. Wt./Ft.
	A	x	B	x	C				
6028025	2"	x	1"	x	.130	.10	.10	25'	.577#
6030025	2"	x	1-1/4"	x	.260	.17	.15	25'	1.071#
6032025	3"	x	1-1/2"	x	.200	.13	.13	25'	1.135#
6034025	3"	x	1-3/4"	x	.260	.17	.25	25'	1.597#
6036025	4"	x	2"	x	.230	.15	.25	25'	1.738#
6038025	4"	x	2-1/4"	x	.290	.19	.25	25'	2.331#
6040025	5"	x	2-1/4"	x	.260	.15	.25	25'	2.212#
6042025	5"	x	2-3/4"	x	.320	.19	.30	25'	3.089#
6044012	6"	x	2-1/2"	x	.290	.17	.30	12'6"	2.834#
LI81449	6"	x	2-1/2"	x	.290	.17	.30	14'8"	2.834#
6044025	6"	x	2-1/2"	x	.290	.17	.30	25'	2.834#
LI81450	6"	x	3-1/4"	x	.350	.21	.30	15'	4.030#
6046025	6"	x	3-1/4"	x	.350	.21	.30	25'	4.030#
LI81458	7"	x	2-3/4"	x	.290	.17	.30	12'9"	3.205#
6048025	7"	x	2-3/4"	x	.290	.17	.30	25'	3.205#
LI81621	8"	x	3"	x	.350	.19	.30	12'6"	4.147#
6052025	8"	x	3"	x	.350	.19	.30	25'	4.147#
LI81476	8"	x	3-3/4"	x	.410	.29	.40	14'9"	5.789#
6054025	8"	x	3-3/4"	x	.410	.25	.35	25'	5.789#
6064025	12"	x	4"	x	.470	.29	.40	25'	8.274#

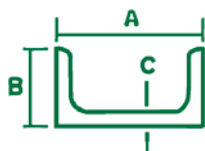
Industrial Metals

Structural Channel—Mill Finish

American Standard (AS)

6061-T6, QQ-A-200/16 — 25' in Length

Part#	Description					Length	Approx. Wt./Ft.
	A	x	B	x	C		
5954025	3"	x	1.410"	x	.170"	25'	1.417#
5956025	3"	x	1.498"	x	.258"	25'	1.729#
5958025	3"	x	1.596"	x	.356"	25'	2.074#
LI81514	4"	x	1.580"	x	.180"	16'-5/8"	1.846#
5960025	4"	x	1.580"	x	.180"	25'	1.846#
5962025	4"	x	1.647"	x	.247"	25'	2.161#
5964025	4"	x	1.720"	x	.320"	25'	2.504#
5966025	5"	x	1.750"	x	.190"	25'	2.316#
5968025	5"	x	1.885"	x	.325"	25'	3.108#
5972025	6"	x	1.920"	x	.200"	25'	2.826#
LI81548	6"	x	1.945"	x	.225"	20'	3.002#
5974025	6"	x	1.945"	x	.225"	25'	3.002#
LI81552	6"	x	2.034"	x	.314	15'	3.631#
5984025	8"	x	2.290"	x	.250"	25'	4.252#
LI81594	8"	x	2.527	x	.487"	15'	6.482#
5990025	8"	x	2.527	x	.487"	25'	6.484#
5996025	10"	x	2.600"	x	.240"	25'	5.278#
6000025	10"	x	2.886"	x	.525	25'	8.641#
6002025	12"	x	2.960"	x	.300"	25'	7.415#



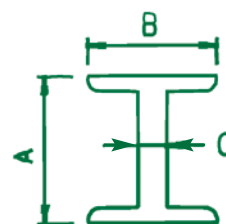
This image shows a single sheet of white paper with horizontal green ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Industrial Metals

Structural I-Beam/Mill Finish

6061-T6, QQ-A-200/16 — 25' Lengths

American Standard (AS)



Part#	Description					Length	Approx. Wt./Ft.
	A	x	B	x	C		
**	3	x	2.330	x	.170	25'	1.944#
**	3	x	2.509	x	.349	25'	2.670#
6090025	4	x	2.660	x	.190	25'	2.642#
**	5	x	3.000	x	.210	25'	3.508#
**	5	x	3.284	x	.494	25'	5.250#
6098025	6	x	3.330	x	.230	25'	4.421#
**	6	x	3.443	x	.343	25'	5.220#
6102025	6	x	3.565	x	.465	25'	6.072#
6113025	8	x	4.000	x	.270	25'	6.510#
**	10	x	4.660	x	.310	25'	8.981#
**	12	x	5.000	x	.350	25'	11.220#

** Sizes without part numbers available upon request

H Beams & Wide Flange

6191025	4	x	4	x	.313	.290	25'	4.758#
6176025	6	x	6	x	.269	.240	25'	5.401#
6192024	5	x	5	x	.330	.313	24'	6.494#

Industrial Metals

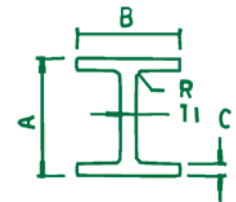
Structural I-Beam/Mill Finish

6061-T6, QQ-A-200/16 — 25' Lengths

American Association (AA)

Part#	Description						Length	Approx. Wt./Ft.	
	A	x	B	x	C	T1			R
6138025	3	x	2.5	x	.260	.150	.25	25'	2.030#
6142025	4	x	3.0	x	.29	.170		25'	2.793#
LI86295	6	x	4.0	x	.290	.190	.30	22'	4.030#
6146025	6	x	4.0	x	.290	.190	.30	25'	4.030#
LI81822	6	x	4.0	x	.350	.210	.30	12'6"	4.700#
LI81907	6	x	4.0	x	.350	.210	.30	11'	4.700#
LI81908	6	x	4.0	x	.350	.210	.30	12'	4.700#
LI81877	6	x	4.0	x	.350	.210	.30	22'	4.700#
6148025	6	x	4.0	x	.350	.210	.30	25'	4.700#
LI81906	8	x	5.0	x	.350	.230	.30	12'1"	6.181#
6152025	8	x	5.0	x	.350	.230	.30	25'	6.181#
6154012	8	x	5.0	x	.410	.250	.30	12'	7.023#
6154025	8	x	5.0	x	.410	.250	.30	25'	7.023#
LI81910	8	x	5.0	x	.410	.250	.30	26'	7.023#
LI81823	8	x	5.0	x	.410	.250	.30	12'6"	7.023#
6158025	10	x	6.0	x	.410	.250	.40	25'	8.650#
LI81902	10	x	6.0	x	.410	.250	.40	28'	8.650#
6158016	10	x	6.0	x	.410	.250	.40	16'	8.650#
LI81909	10	x	6.0	x	.410	.250	.40	14'	8.650#
6160025	10	x	6.0	x	.500	.290	.40	25'	10.286#
6160032	10	x	6.0	x	.500	.290	.40	32'	10.286#
6164025	12	x	7.0	x	.620	.310	.40	25'	14.292#

Many custom lengths available. Call for inquiries.

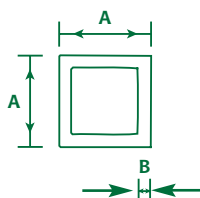


Industrial Metals

Square Tube/Mill Finish

6063-T52, QQ-A-200/9

Part#	Description			Length	Approx. Wt./Ft.
	A	x	B		
6620024	1/2"	x	.063"	24'	.131#
6625024	3/4"	x	.050"	24'	.161#
6628024	3/4"	x	.063"	24'	.206#
6631924	3/4"	x	.090"	24'	.293#
6632024	3/4"	x	.125"	24'	.374#
6638024	1"	x	.062"	24'	.278#
6642024	1"	x	.090"	24'	.405#
6644024	1"	x	.125"	24'	.524#
6648024	1-1/4"	x	.062"	24'	.353#
6650024	1-1/4"	x	.093"	24'	.516#
6654024	1-1/4"	x	.125"	24'	.675#
6656024	1-1/2"	x	.062"	24'	.430#
6658024	1-1/2"	x	.093"	24'	.632#
6660024	1-1/2"	x	.125"	24'	.824#
6664024	1-3/4"	x	.125"	24'	.975#
6666024	2"	x	.065"	24'	.605#
6672024	2"	x	.093"	24'	.851#
6672026	2"	x	.093"	26'	.851#
6674024	2"	x	.125"	24'	1.126#
6676024	2"	x	.190"	24'	1.627#
6678024	2"	x	.250"	24'	2.100#
6682024	2-1/2"	x	.125"	24'	1.425#
6684024	3"	x	.093"	24'	1.298#
6686024	3"	x	.125"	24'	1.760#
6690024	4"	x	.125"	24'	2.324#
6694024	5"	x	.125"	24'	2.925#
6696024	6"	x	.125"	24'	3.525#
6698024	8"	x	.190"	24'	7.050#

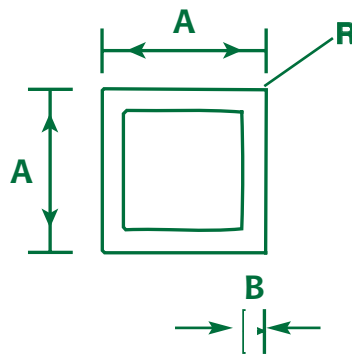


Industrial Metals

Square Tube

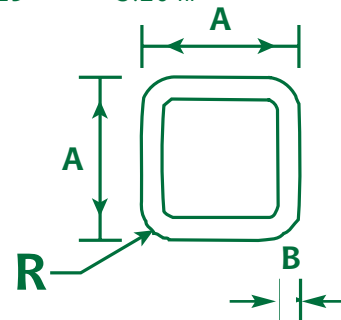
6061-T6, QQ-A-200/9

Part#	Description			R		Length	Approx. Wt./Ft.
	A	x	B	R	R		
6569024	1"	x	.125"			24'	.524#
6570024	1-1/2"	x	.125"			24'	.824#
6572024	2"	x	.093"			24'	.851#
6572026	2"	x	.093"			26'	.851#
6576024	2"	x	.125"			24'	1.126#
6580024	2"	x	.250"			24'	2.100#
LI85767	2"	x	.250"	.250		24'	2.052#
6586024	3"	x	.250"			24'	3.300#
6584018	3"	x	.250"	.313	.313	18'	3.204#
LI85756	3"	x	.375"			20'	4.725#
6588024	4"	x	.250"			24'	4.500#
6592024	6"	x	.250"			24'	6.900#



Radius Square Tube—Mill Finish 6063-T52, QQ-A-200/9

Part#	Description			R	Length	Approx. Wt./Ft.
	A	x	B	R		
LI86879 SPECIAL ORDER	3/4"	x	.040	.093	24	.145#
6624024	3/4"	x	.045	.093	24'	.150#
6630024	3/4"	x	.062"	.187	24'	.206#
6631024	3/4"	x	.093"	.090	24'	.293#
6636024	1"	x	.040"	.093	24'	.182#
6640024	1"	x	.062"	.062	24'	.278#
6641024	1"	x	.062"	.125	24'	.278#
6643024	1"	x	.090"	.125	24'	.392#
6646024	1"	x	.125"	.125	24'	.526#
6652024	1-1/4"	x	.093"	.125	24'	.516#
LI85697	1-1/4"	x	.100"	.250	24'	.511#
LI85782	1-1/2"	x	.063"	.093	24'	
LI85720	1-1/2"	x	.125"	.125	24'	.809#
LI85778	2"	x	.063	.140	24'	.604#
LI85794	2"	x	.093	.250	24'	
6674124	2"	x	.125"	.250	24'	1.109#
LI85779	2"	x	.188"	.400	24'	1.700#
6710025	3"	x	.188"	.188	25'	2.502#
6712025	3"	x	.250"	.313	25'	3.204#



Radius Square Tube—Mill Finish 6061-T6, QQ-A-200/9

Part#	Description			R	Length	Approx. Wt./Ft.
	A	x	B	R		
LI85767	2"	x	.250"	.250"	24'	2.100#
LI86993	2-1/2"	x	.250"	.031"	24'	2.680#
6584018	3"	x	.250"	.313"	18'	3.204#

Industrial Metals

Rectangular Tube—Mill Finish

6063-T52, QQ-A-200/9 — 24' in Length

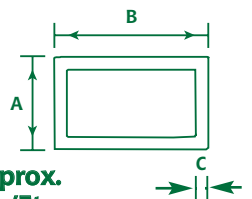
Part#	Description					Length	Approx. Wt./Ft.
	A	x	B	x	C		
6730024	1/2"	x	1"	x	.093"	24'	.293#
6732024	3/4"	x	1-1/2"	x	.125"	24'	.600#
6736024	1"	x	1-1/2"	x	.125"	24'	.676#
LI85856	1"	x	2"	x	.062" (.140R)	24'	.437#
6738024	1"	x	2"	x	.062"	24'	.428#
6740024	1"	x	2"	x	.093"	24'	.628#
6739024	1"	x	2"	x	.093" (.125R)	24'	.613#
LI85861	1"	x	2"	x	.100" (.062R)	24'	.672#
6742024	1"	x	2"	x	.125"	24'	.824#
6742030	1"	x	2"	x	.125"	30'	.824#
LI85867	1"	x	2"	x	.125" (.125R)	24'	.817#
6746024	1"	x	3"	x	.125"	24'	1.125#
6748024	1"	x	4"	x	.125"	24'	1.425#
6750024	1-1/4"	x	2-1/2"	x	.125"	24'	1.050#
6752024	1-1/2"	x	2"	x	.125"	24'	.976#
6754024	1-1/2"	x	3"	x	.125"	24'	1.272#
6760024	1 3/4"	x	3"	x	.125"	24'	1.350#
6768024	2"	x	3"	x	.125"	24'	1.426#
6770124	2"	x	3"	x	.250" (.250R)	24'	
6772024	2"	x	4"	x	.125"	24'	1.724#
LI85921	2"	x	4"	x	.250"	24'	3.300#
6774124	2"	x	4"	x	.250" (.375R)	24'	
6783024	3"	x	4"	x	.125"	24'	2.074#
6778024	2"	x	5"	x	.125"	24'	2.025#
6780024	2"	x	6"	x	.125"	24'	2.327#
6782024	2"	x	8"	x	.125"	24'	2.962#
6781024	2"	x	10"	x	.190"	24'	5.244#

Rectangular Tube—Mill Finish

6061-T6

Part#	Description					Length	Approx. Wt./Ft.
	A	x	B	x	C		
LI85864	1	x	2	x	.125 (125R)	25'	.817#
6770024	2	x	3	x	.250	24'	2.700#
6774024	2	x	4	x	.250	24'	3.300#
LI85931	2	x	5	x	.250	24'	3.900#
6781124	2	x	6	x	.250	24'	4.500#
6788028	4	x	6	x	.250	28'	5.700#
6790028	4	x	8	x	.250	28'	6.900#

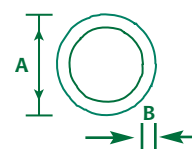
Many custom lengths available



Industrial Metals

Round Tube—Mill Finish

6063-T52, ROUND TUBE *Tube Measured O.D.*



Part#	Description			I.D.	Length	Approx. Wt./Ft.
	A	x	B			
6800024	3/4"	x	.065"	.620	24'	.172#
LI85328	1"	x	.062"	.876	20'	.229#
6804024	1"	x	.062"	.876	24'	.229#
6806020	1"	x	.125"	.750	20'	.404#
6806024	1"	x	.125"	.750	24'	.404#
6813024	1-1/4"	x	.062"	1.126	24'	.278#
6810016	1-1/8	x	.049"	1.152	16'	.195#
LI85333	1-1/4"	x	.090"	1.070	24'	.385#
LI85507	1-1/4"	x	.125"	1.000	20'	.520#
6812024	1-1/2"	x	.065"	1.370	24'	.351#
6814024	1-1/2"	x	.093"	1.320	24'	.493#
LI85345	1-1/2"	x	.125"	1.250	20'	.635#
6815024	1-1/2"	x	.125"	1.250	24'	.635#
6816224	2"	x	.065"	1.870	24'	.474#
LI85365	2"	x	.125"	1.750	20'	.866#
6819024	3"	x	.083"	2.834	24'	.895#
6820024	3"	x	.125"	2.750	24'	1.355#
6821024	4"	x	.125"	3.750	24'	1.790#

Round Tube—Mill Finish

6061-T6, QQ-A-200/9

Part#	Description			I.D.	Size	Approx. Wt./Ft.
	A	x	B			
6827024	1-1/2"	x	.125"	1.250	24'	.635#
6829012	2"	x	.125"	1.750	12'	.866#
6829024	2"	x	.125"	1.750	24'	.866#
6830013	2-1/2"	x	.125"	2.250	12'6"	1.097#
6830015	2-1/2"	x	.125"	2.250	15'	1.097#
6831014	3"	x	.125"	2.750	13'6"	1.355#
6831015	3"	x	.125"	2.750	15'	1.355#
6831024	3"	x	.125"	2.750	24'	1.355#
6840015	3-1/2"	x	.187"	3.126	15'	2.300#
6840020	3-1/2"	x	.187"	3.126	20'	2.300#
6833024	4"	x	.125"	3.750	24'	1.790#
6844020	4"	x	.188"	3.624	20'	2.647#
6845020	4"	x	.250"	3.500	20'	3.464#
6846020	4-1/2"	x	.250"	4.000	20'	3.925#
6848020	6"	x	.250"	5.500	20'	5.311#
6848024	6"	x	.250"	5.550	24'	5.311#

Marine Tower Pipe Brushed

6463-T67, SCH 40

— Brite Dipped Anodized / Brushed (320 Grit)

Part#	Size	Length	Approx. Wt./Ft.
LI86011	1/2"	23'	.296#
LI86014	3/4"	23'	.391#
LI86017	1"	23'	.581#
LI86020	1-1/4"	23'	.786#
LI86023	1-1/2"	23'	.940#
LI86026	2"	23'	1.264#

Marine Tower Pipe Bright

6463-T67, SCH 40 — Brite Dipped Anodized / Polished

Part#	Size	Length	Approx. Wt./Ft.
LI86010	1/2"	23'	.296#
LI86013	3/4"	23'	.391#
LI86016	1"	23'	.581#
LI86019	1-1/4"	23'	.786#
LI86022	1-1/2"	23'	.940#
LI86025	2"	23'	1.264#

Industrial Metals

Marine Tower Accessories Anodized Flats and Mini Plates

Part#		Size			Finish	Length
LI86031	Flat	1/8"	x	4"	Polished	12'
LI86039	Flat	1/4"	x	2"	Polished	12'
LI86036	Flat	1/4"	x	3"	Polished	12'
LI86037	Flat	1/4"	x	4"	Polished	12'
LI86028	Flat	3/8"	x	2"	Polished	12'
LI86045	Mini	1/4"	x	12"	Brushed	4'

Anodized Tubes

Part#		Size			Finish	Length
LI86047	SQ	1"	x	1/8"	Polished	20'
LI86048	SQ	2"	x	1/8"	Polished	20'
LI86049	RECT	1"	x	2" x 1/8"	Polished	20'
LI86052	RECT	1"	x	3" x	Polished	20'
LI86040	Oval	1-1/2"	x	1"	Brushed / Polished	20'
LI86038	Oval	1-7/8"	x	1"	Brushed / Polished	20'
LI86444	Oval	4"	x	1-1/4"	Polished	20'
LI86445	Oval	4"	x	1-1/4"	Brushed / Polished	20'
7853033	Oval	1-1/2"	x	1" x	Tube / Polished	20'
7853034	Oval	1-1/2"	x	1" x	Tube / Non-Skid	20'
7853018	Oval	1-7/8"	x	1" x	Tube / Non Skid	20'
7853017	Oval	2-3/8"	x	1" x	Tube / Polished	20'
7853037	Oval	3"	x	1-1/4" x	Tube / Polished	20'
7853035	Oval	1"	x	1-7/8" x	Tube W / Groves	20'
7853040	Rubber Insert (Mates with 7853035)					12'

Anodized Angles

Part#		Size			Finish	Length
LI86029	2"	x	2"	x 1/4"	Polished	23'
7853094	2"	x	2"	x 1/4" Angle Mount	Polished	4"

Pins

LI86081	1" Female Pin	PF-1
LI86085	1" Male Pin	PM-1
LI86086	1-1/4" Male Pin	PM-1.25
LI86087	1-1/2" Male Pin	PM-1.5
LI86089	1" Combo	PMF-1
LI86090	1-1/4" Combo	PMF-1.25
LI86091	1-1/2" Combo	PMF-1.5
LI86021	Foot Rest Assembly Pin	
LI86096	1" Breakaway	
LI86097	1-1/4" Breakaway	
LI86098	1-1/2" Breakaway	
7853075	1" Combo W / Washer	
7853076	1-1/4" Combo W / Washer	
7853077	1-1/2" Combo W / Washer	
7853110	1" Quick Release Pin	

Marine Tower Accessories

Anodized Pads

Round

Part#	Description	#Holes	Finish
LI86416	3"	3	Polished
LI86066	3-1/2"	3	Polished
LI86067	4"	3	Polished
LI86419	4"	4	Polished
LI86068	4-1/2"	4	Polished
LI89258	5"	4	Polished
7852565	2-1/2"	1	Polished
7853050	3"	4	Polished
7853054	4"	3	(w/1-1/4") Polished
7853055	4-1/2"	3	Polished
7853060	3"	3	Brushed
7853061	3-1/2"	3	Brushed
7853062	4"	3	Brushed
7853066	4"	4	Brushed
7853063	4-1/2"	3	Brushed
7853067	4-1/2"	4	Brushed

Rectangular

Part#	Description	#Holes	Finish
LI86063	3" x 4"	4	Polished
LI86064	3" x 4"	4	Brushed
LI86012	3" x 4" Shaped	4	Brushed
7853073	3" x 4" Shaped	4	Polished
7853068	1-1/2" x 3-1/2"	4	Polished
7853047	2" x 4"	2	Brushed

Round Pads Stainless Steel

7853046	2-3/8"	3	Stainless Steel
7853029	2-7/8"	3	Stainless Steel

Industrial Metals

Marine Tower Accessories

Anodized Pads

Rod Holders

LI86196	Tulip 1-3/4 wo/fin	Silver
LI86197	Tulip 1-3/4 wo/fin	Gold
LI86198	Tulip with fin	Silver
LI86199	Tulip with fin	Gold
LI86390	1-1/2 Str. wo/fin	Silver
LI86392	2" Str wo/Fin	Silver
LI86393	2" Str wo/Fin	Gold
LI86391	1-7/8 Tulip	Silver

Accessories

3039000	Cup Holders
7918020	Ladder Rung Mill Finish 2 x 1 x 125 x 20' Mill Finish
LI85933	Seat Back Assembly
7852500	Leaning Post Backrest Sleeve
7853093	Anchor Light White
7853093BK	Anchor Light Black
7853096	1" Aluminum end cap
7853097	1 1/4" Aluminum end cap
2667500	Paint for anodized extrusions

Marine Pipe End Caps

7853095	1" Plastic Cap
7853096	1" Aluminum Cap Anodized
7853097	1-1/4" Aluminum Cap Anodized

Clamps

7852557	1-1/4" Clamp-On Split Clamp
7852558	1-1/2" Clamp-On Split Clamp

Industrial Metals

Stainless Steel Tubing Welded Tube

T-304 Round — *Polished and Buffed*

Part#	Size (O.D.)	Description	Approx. Wt./Ft.	Length
LI85341	7/8"	16 ga. (.065) (ultra)	.561#	24'-2"
LI85310	1"	16 ga. (.065) (ultra)	.6491#	24'-2"
66480243SS	1 1/4"	16 ga. (.065) (ultra)	.494	24'-2"

Brite Dipped Anodized Drawn Tube

Part#	Size (O.D.)	Wall	Length	Approx. Wt./Ft.
LI85455	7/8"	.058	20'	.180#

Industrial Metals

Schedule 40 Pipe/Mill Finish

6063-T52, QQ-A-200/9 — 20' in Length

Part#	Size	O.D.	I.D.	Wall	Length	Approx. Wt./Ft.
6346020	1/4"	.540	.364	.088	20'	.147#
6348020	3/8"	.675	.493	.091	20'	.196#
6350020	1/2"	.840	.622	.109	20'	.294#
6352020	3/4"	1.050	.824	.113	20'	.391#
6354020	1"	1.315	1.049	.133	20'	.581#
6356020	1-1/4"	1.660	1.380	.140	20'	.786#
LI85083	1-1/4"	1.660	1.380	.140	21'	.786#
6358020	1-1/2"	1.900	1.610	.145	20'	.940#
6360020	2"	2.375	2.067	.154	20'	1.264#
6362020	2-1/2"	2.875	2.469	.203	20'	2.004#
6364020	3"	3.500	3.068	.216	20'	2.621#
6366020	3-1/2"	4.000	3.548	.226	20'	3.151#

Schedule 40 Pipe—Mill Finish

6063-T4, QQ-A-200/9 — 24' in Length

Part#	Size	O.D.	I.D.	Wall	Length	Approx. Wt./Ft.
LI85052	1/2"	.840	.622	.109	24'	.294#
6386024	1-1/4"	1.660	1.380	.140	24'	.786#
6388024	1-1/2"	1.900	1.610	.145	24'	.940#

Schedule 40 Pipe—Mill Finish

6061-T6, QQ-A-200/8 — 20' in Length

Part#	Size	O.D.	I.D.	Wall	Length	Approx. Wt./Ft.
6404020	3/4"	1.050	.824	.113	20'	.391#
6406020	1"	1.315	1.049	.133	20'	.581#
6408020	1 1/4"	1.660	1.380	.140	20'	.786#
6410020	1 1/2"	1.900	1.610	.145	20'	.940#
6412020	2"	2.375	2.067	.154	20'	1.264#
LI85118	2"	2.375	2.067	.154	24'	1.264#
6414020	2 1/2"	2.875	2.469	.203	20'	2.004#
6416020	3"	3.500	3.068	.216	20'	2.621#
6418020	3 1/2"	4.000	3.548	.226	20'	3.151#
6420020	4"	4.500	4.026	.237	20'	3.733#
6422020	5"	5.563	5.047	.258	20'	5.057#
6424020	6"	6.625	6.065	.280	20'	6.564#

Industrial Metals

Schedule 80 Pipe—Mill Finish

6061-T6, QQ-A-200/8 — 20' in Length

Part#	Size	O.D.	I.D.	Wall	Length	Approx. Wt./Ft.
6482020	1"	1.315	.957	.179	20'	.751#
6484020	1-1/4"	1.660	1.278	.191	20'	1.037#
6486020	1-1/2"	1.900	1.500	.200	20'	1.256#
6488020	2"	2.375	1.939	.218	20'	1.737#
6490020	2-1/2"	2.875	2.323	.276	20'	2.650#
6492020	3"	3.500	2.900	.300	20'	3.547#
6460020	4"	4.500	3.826	.337	20'	5.288#
6498020	5"	5.563	4.813	.375	20'	7.188#

Schedule 80 Pipe—Mill Finish

6063-T52, QQ-A-200/8 — 20' in Length

Part#	Size	O.D.	I.D.	Wall	Length	Approx. Wt./Ft.
L185090	1-1/4"	1.660	1.278	.191	20'	1.037#

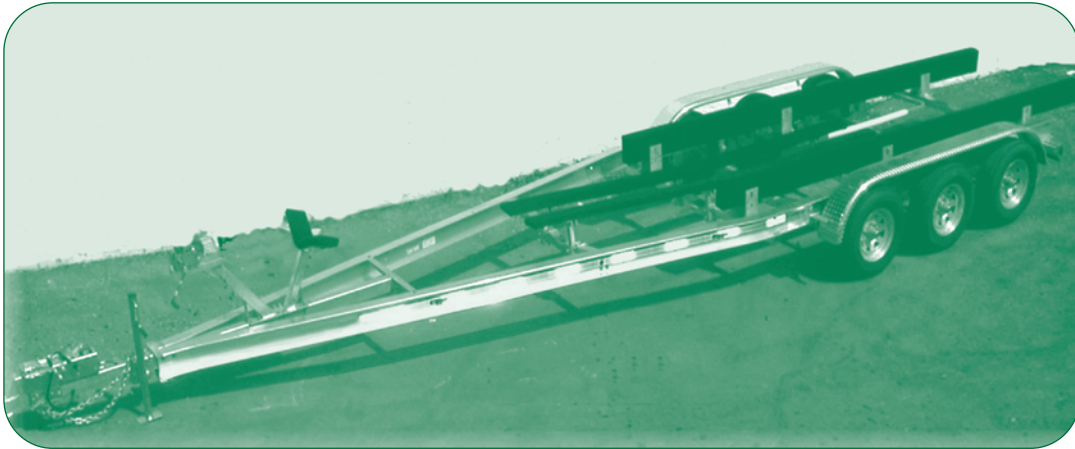
Schedule 10 Pipe—Mill Finish

6063-T52, QQ-A-200/8 — 20' in Length

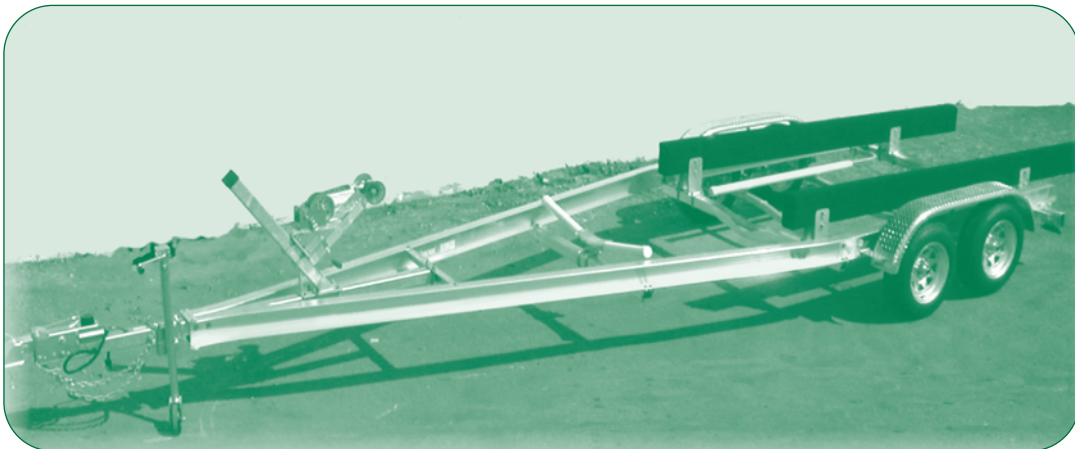
Part#	Size	O.D.	I.D.	Wall	Length	Approx. Wt./Ft.
6522020	1-1/4"	1.660	1.442	.109	20'	.625#
6524020	1-1/2"	1.900	1.682	.109	20'	.721#

Industrial Metals

Tri-Axle Design



Tandem Axle Design



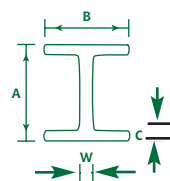
Single Axle Design



Boat Trailer I-Beam

6061-T6, Special Temper

Additional Lengths Available Upon Request



Part#	Description							Length	Approx. Wt./Ft.
	A	x	B	x	C	x	W		
6200020	3.00"	x	2.5"	x	.26"	x	.150"	20'	2.030#
LI81845	3.00"	x	2.5"	x	.26"	x	.150"	24'	2.030#
6212016	4.50"	x	3.0"	x	.26"	x	.175"	16'	2.685#
6212017	4.50"	x	3.0"	x	.26"	x	.175"	17'	2.685#
6212018	4.50"	x	3.0"	x	.26"	x	.175"	18'	2.685#
6212020	4.50"	x	3.0"	x	.26"	x	.175"	20'	2.685#
6214020	5.50"	x	3.5"	x	.29"	x	.195"	20'	3.524#
6214021	5.50"	x	3.5"	x	.29"	x	.195"	21'	3.524#
6214022	5.50"	x	3.5"	x	.29"	x	.195"	22'	3.524#
6214023	5.50"	x	3.5"	x	.29"	x	.195"	23'	3.524#
6214025	5.50"	x	3.5"	x	.29"	x	.195"	25'	3.524#
6216025	6.50"	x	4.0"	x	.31"	x	.220"	25'	4.561#
6216027	6.50"	x	4.0"	x	.31"	x	.220"	27'	4.561#
6216030	6.50"	x	4.0"	x	.31"	x	.220"	30'	4.561#
6218032	7.50"	x	4.375"	x	.35"	x	.230"	32'	5.584#
6218035	7.50"	x	4.375"	x	.35"	x	.230"	35'	5.584#

Industrial Metals

Accessories

Cross Members—Fabricated 6063—T6 Mill Finish Square

Part#	Description				Approx. Wt./Ea
6712715	3"	x	.250w (.312R)	x 71.5"	19.33#
6712790	3"	x	.250w (.312R)	x 79.5"	21.29#

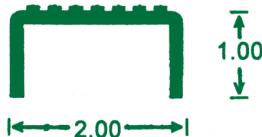
Channel

Part#	Description				Approx. Wt./Ea
6036025	Channel	4.0"	x	2.0"x .15"x	25' 1.738#

Square Tube

Part#	Description				Approx. Wt./Ea
6584018	Square Tube	3.0"	x	1/4"x .312 (R)x	18' 3.204#

Ladder Rung

Part#	Description	LGTH	Approx. Wt./Ft		
7918020	Ladder Rung	20'	.622	2.00	1.00

CUSTOM LENGTHS AND ITEMS WITHOUT AN ID NUMBER ARE AVAILABLE BY SPECIAL ORDER.

This image shows a single sheet of white paper with horizontal green ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Industrial Metals

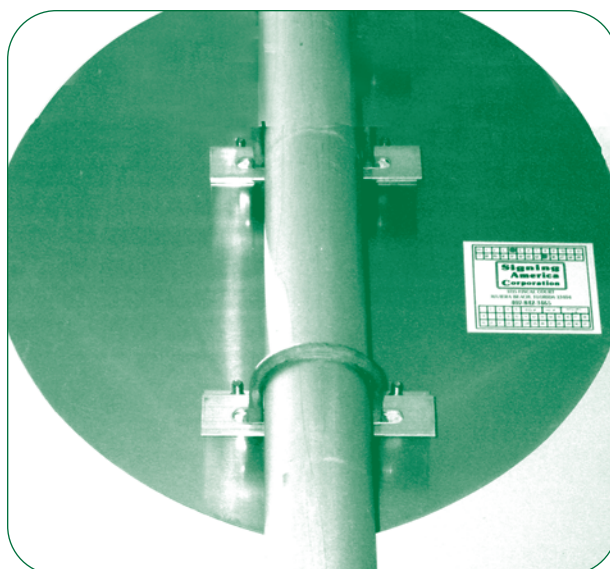
Department of Transportation Round Tube—Mill Finish 6061-T6, QQ-A-200/9

Part#	Description			Length	Approx. Wt./Ft.
	A	X	B		
6829012	2"	x	1/8"	12'	.866#
6829024	2"	x	1/8"	24'	.866#
6830013	2-1/2"	x	1/8"	12'6"	1.097#
LI86803	2-1/2"	x	1/8"	14'	1.097#
6830015	2-1/2"	x	1/8"	15'	1.097#
6831014	3"	x	1/8"	13'6"	1.355#
LI86246	3"	x	1/8"	14'	1.355#
6831015	3"	x	1/8"	15'	1.355#
6831024	3"	x	1/8"	24'	1.355#
LI85383	3"	x	1/8"	20'	1.355#
6840013	3-1/2"	x	3/16"	13'	2.300#
LI86802	3-1/2"	x	3/16"	15'	2.300#
6840020	3-1/2"	x	3/16"	20'	2.300#
6833024	4"	x	1/8"	24'	1.790#
6844020	4"	x	3/16"	20'	2.647#
6845020	4"	x	1/4"	20'	3.464#
6846020	4-1/2"	x	1/4"	20'	3.924#
LI85393	4-1/2"	x	1/4"	24'	3.924#
6848020	6"	x	1/4"	20'	5.311#
6848024	6"	x	1/4"	24'	5.311#

*Ready for shipment from stock



Actual Application



Actual Application

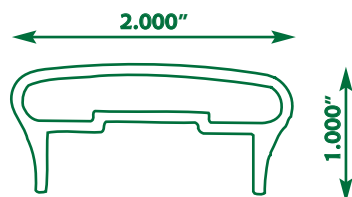
Department of Transportation Z Bar Mounts & Accessories—Mill Finish 6061-T6, QQ-A-200/9

Part#	Description							Approx. Wt./Ft.
	A	x	B					
6312000	1.750	x	1.750	x	0.188	x	8"	Fabricated Z Bar 1.104#
6312014	1.750	x	1.750	x	0.188	x	14"	Fabricated Z Bar 1.104#
6312020	1.750	x	1.750	x	0.188	x	20"	Fabricated Z Bar 1.104#
6312026	1.750	x	1.750	x	0.188	x	26"	Fabricated Z Bar 1.104#
6312042	1.750	x	1.750	x	0.188	x	42"	Fabricated Z Bar 1.104#
6312000	1.750	x	1.750	x	0.188	x	52"	Fabricated Z Bar 1.104#
6312025	1.750	x	1.750	x	0.188	x	25'	Str. Z Bar 1.104#
6314025	3.000	x	2.688	x	0.250	x	25'	Str. Z Bar 2.381#

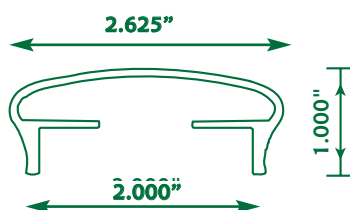
Industrial Metals

Welded Rail System

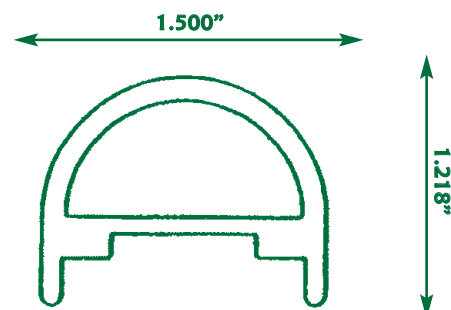
Top Caps — Custom Lengths available.



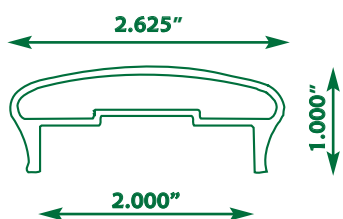
Code: 7178024 Accepts
Wt./Ft.: .437# 3/4" Pickets
Length: 24' & 1-1/2" Post



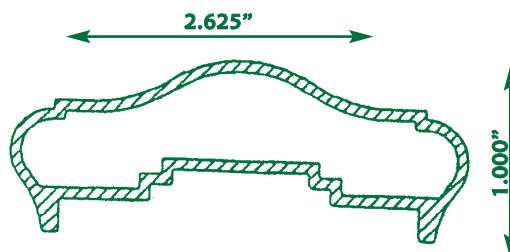
Code: 7162025 Accepts
Wt./Ft.: .530# 3/4" Pickets
Length: 25'10" & 2" Post



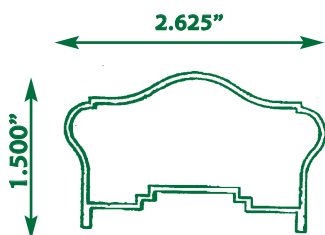
Code: 7180024 Accepts
Wt./Ft.: .665# 3/4" Pickets
Length: 24' & 1-1/4" Post



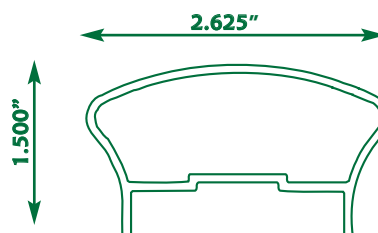
Code: LI86110 Accepts
Wt./Ft.: .573# 3/4" Pickets
Length: 24' & 2" Post



Code: 7348025 Accepts
Wt./Ft.: .502# 3/4" Pickets
Length: 25' & 2" Post



Code: 7347025 Accepts
Wt./Ft.: .500# 3/4" & 1" Pickets
Length: 25'10" & 2" Post

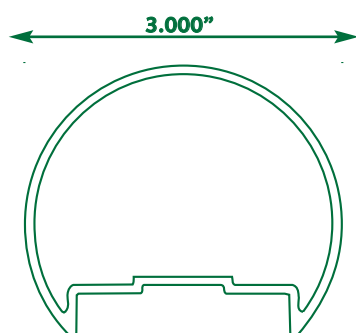


Code: 7184025 Accepts
Wt./Ft.: .670# 3/4" Pickets
Length: 25'10" & 2" Post
LI86112 – 24'

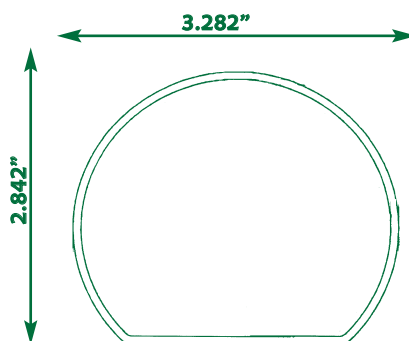
Industrial Metals

Welded Rail System

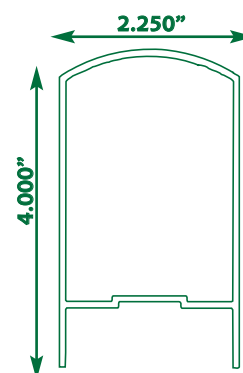
Top Caps — Custom Lengths available.



Code: 7196024 Accepts
Wt./Ft.: .998# 3/4" Pickets
Length: 24' & 2" Post



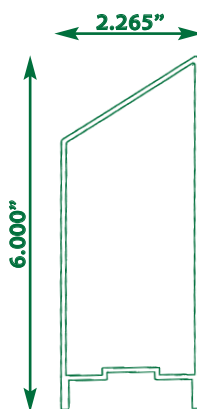
Code: 7200020
Wt./Ft.: 1.042#
Length: 20'
Mates w/7196024



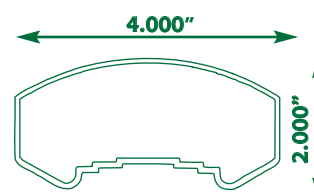
Code: 7262024 Accepts
Wt./Ft.: 1.223# 3/4" Pickets
Length: 24' & 2", 1-1/2" Post



Code: 7282024 Accepts
Wt./Ft.: 1.799# 3/4" Pickets
Length: 24' & 2" Post



Code: 7294024 Accepts
Wt./Ft.: 1.695# 3/4" Pickets
Length: 24' & 2" Post

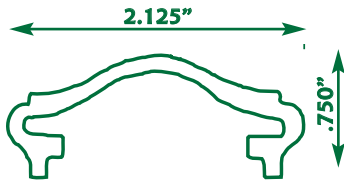


Code: 7240024 Accepts
Wt./Ft.: 1.22# 3/4" Pickets
Length: 24' & 2", 1-1/2" Post

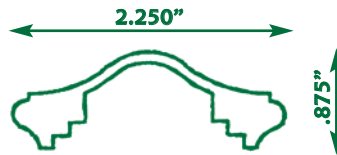
Industrial Metals

Welded Rail System

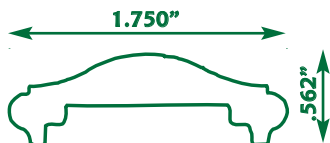
Dixie Caps



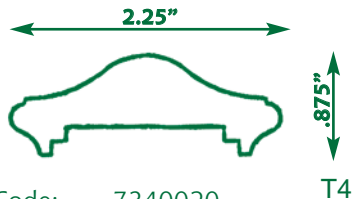
Code: 7332020
Wt./Ft.: .413#
Length: 20'
Accepts 1-1/2" Channels



Code: 7334020
Wt./Ft.: .668#
Length: 20'
Accepts 1", 1-1/4" & 1-1/2" Channels



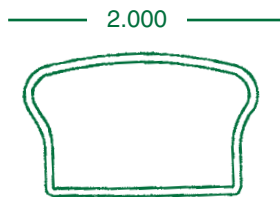
Code: 7330020
Wt./Ft.: .523#
Length: 20'
Accepts 1" & 1-1/4" Channels
LI86117 24'



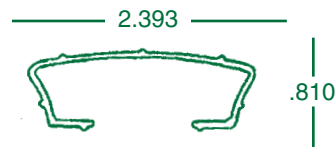
Code: 7340020
Wt./Ft.: 1.180#
Length: 20'
Accepts 1-1/4" & 1-1/2" Channels
Available: 6063-T52
7339020 T52

Industrial Metals

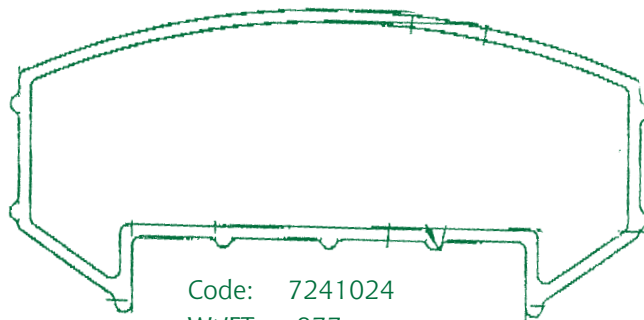
Welded Rail System / Sleeve



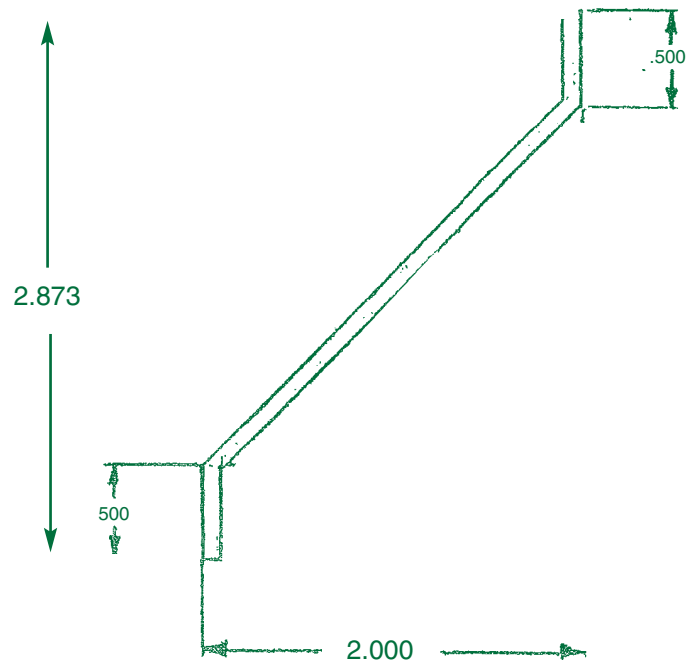
Code: 7188020
Wt/FT .870
Length 20'
Mates w/7184025



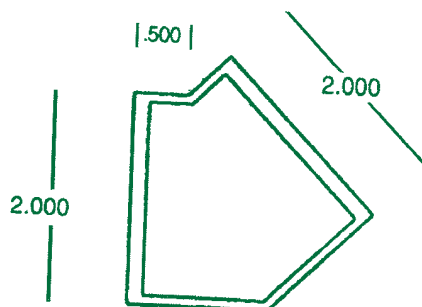
Code: 7190010
Wt/FT .314
Length 10'
Mates w/7184025



Code: 7241024
Wt/FT .877
Length 24'
Mates w/7240024



Code: 7140020
Wt/FT .405
Length 20'
Desc: #! Louver Blade

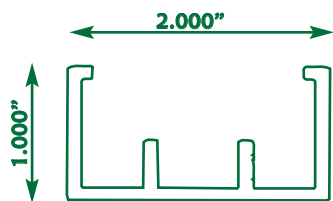


Code: 7518024
Wt/FT .1.024
Length 24'
Desc: 45 degree post

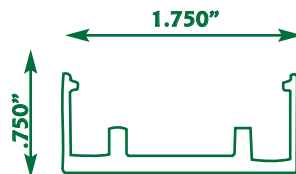
Industrial Metals

Welded Rail System

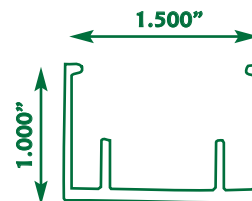
Bottom Channels w/Welding Legs — *Custom Lengths available.*



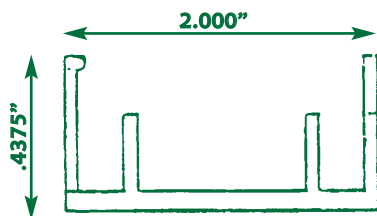
Code: 5932025 Accepts
Wt./Ft.: .393# 3/4" Pickets
Length: 25'
LI86119 – 24'



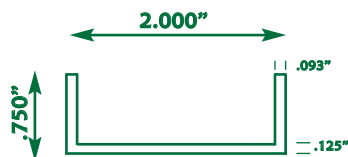
Code: 5924025 Accepts
Wt./Ft.: .402# 3/4" Pickets
Length: 25'



Code: 5920025 Accepts
Wt./Ft.: .331# 3/4" Pickets
Length: 25'



Code: 5933025
Wt./Ft.: .395# Accepts
Length: 25' 1Pickets



Code: 5930023
Wt./Ft.: .440#
Length: 23'10"

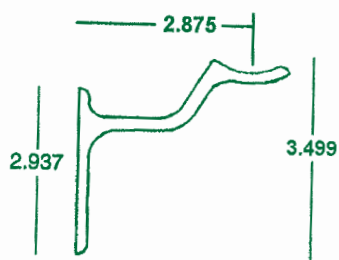
Miscellaneous Parts—Accessories

Pipe Bracket

Code: 6564016

Wt./Ft.: 1.853#

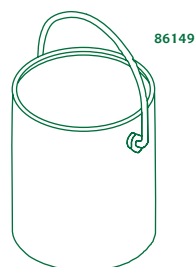
Length: 16'



Quick-Rok Pails

Code: LI86149

50 Lbs./Pail

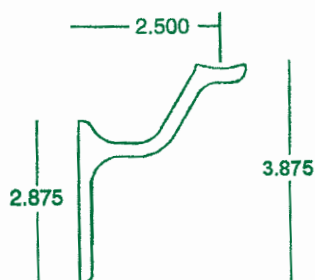


Pipe Bracket

Code: 6566016

Wt./Ft.: 2.012#

Length: 16'



Industrial Metals

Sign Frame Shapes—Mill Finish

All Sign Frames 24'6"

Part#	Description	Approx. Wt./Ft.
LI86050	5 Sign Frame, Sm Cas	1.195#
LI86051	1" x 1-1/4" Retainer	.321#
LI86055	6-3/4" Sign Frame, Rdgd	2.100#
LI86056	5.55 Sign Frame, Rdgd Cas	1.445#
LI86057	1.775" x 1.1" Rd Retainer	.403#
7616024	8-1/4 Sign Frame, Sm Cas	2.200#
7618024	10-5/8 Sign Frame Sm Cas	2.348#
5022024	1-1/2 " x 1-1/2" x 1/8" Retainer	.431#
7617024	10" Sign Frame w/Retainers	3.130#
7619024	12" Sign Frame w/Retainers	3.430#
7650024	7" Sign Frame Sm Cas w/o Retainer	1.004#
7652024	7: Sign Frame Sm Cas with Retainer	1.487#
5020024	11/2 x 11/2 x 1/16 Retainer AS7	.218#
LI86899	1.25 X 1.25 094 F RETAINER	.360#
5068024	1 1/2 X 2 X 1/8 Retainer	.506#

**See page 56-58 for prints

Aluminum Raceways—Mill Finish

Part#	Description	Length	Approx. Wt./Ft.
LI86147	4" Raceway	20'	.511#
7642020	6" Raceway	20'	2.932#
LI86764	7-1/4" Raceway	20'	3.484#
7644020	7-1/4" Raceway	LID x 20'	.808#
LI86749	7-1/4" Raceway	End Cap	
LI86765	7-1/4" Raceway	24'	3.899#
LI86754	7-1/4" Raceway	LID 24'	.808#
7642020	6" Raceway	20'	2.932#

*See page 61 for prints

Sign Frame Shapes—Mill Finish

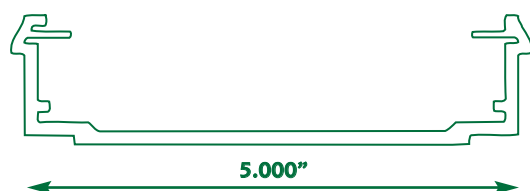
All Sign Frames 24'6"

6" Frame

Frame Measured With Retainer On

Code: LI86050

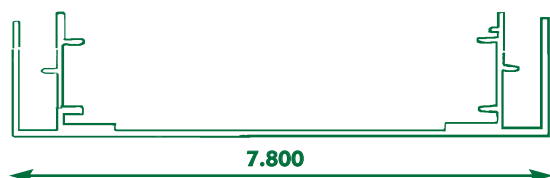
Wt./Ft.: 1.195#



Code: 7650024

Wt./Ft.: .976#

Length: 24'6"



Code: 7652024

Wt./Ft.: 1.446#

Length: 24'6"

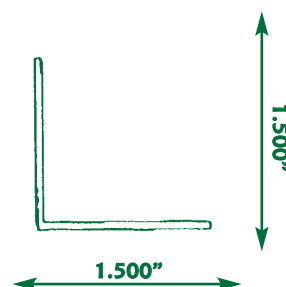
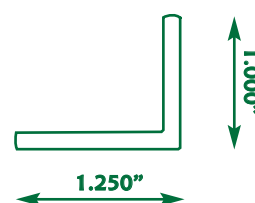
Retainer Angle For 6" Frame

All Retainers 24'6"

Code: LI86051

Wt./Ft.: .321

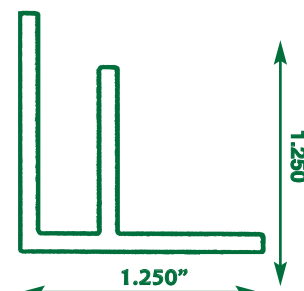
Mates/86050#



Code: 5020024

Wt./Ft.: .219

Mates/86550#



Code: LI86899

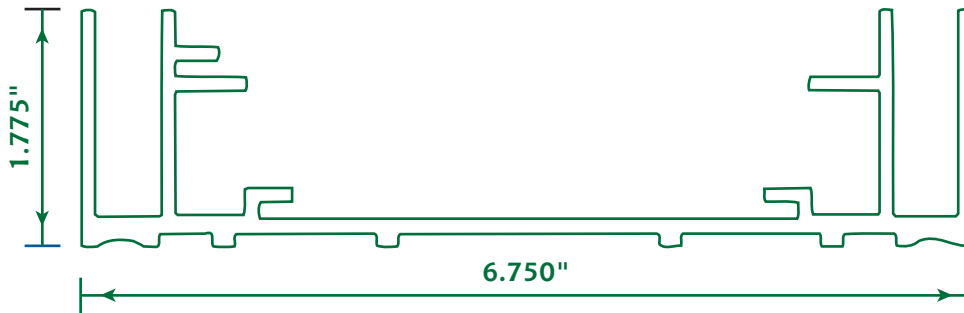
Wt./Ft.: .360

Mates/86551#

Industrial Metals

Sign Frame Shapes

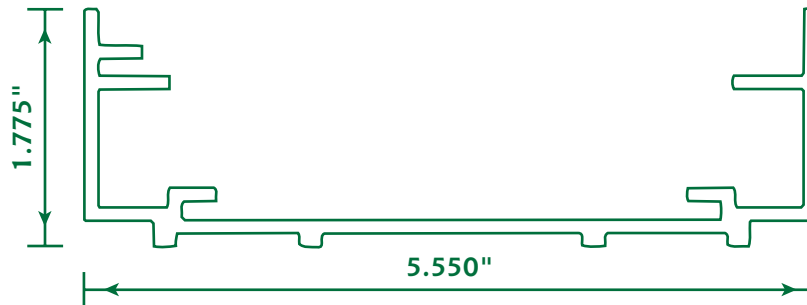
All Sign Frames 24'6"



7" Frame

Frame & Retainer In One Piece

Code: LI86055
Wt./Ft.: 2.100#



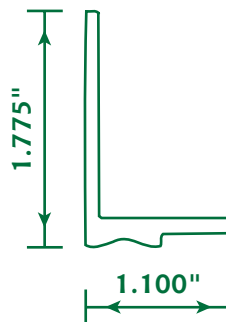
7" Frame

Retainer Not Included

Code: LI86056
Wt./Ft.: 1.445#

7" Frame Retainer

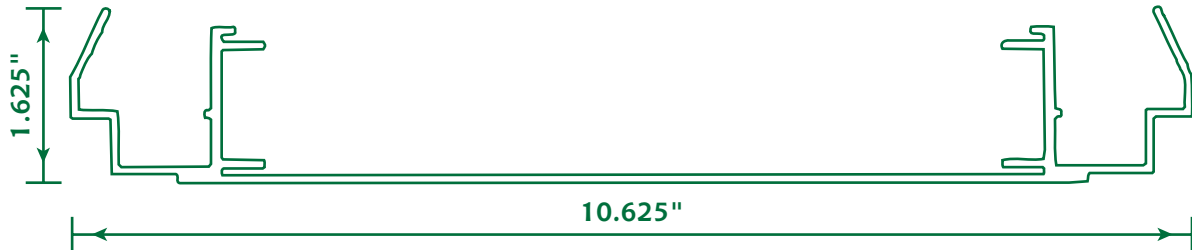
Code: LI86057
Wt./Ft.: .360#



Sign Frame Shapes—Mill Finish

6063-T5

All Sign Frames 24'6"

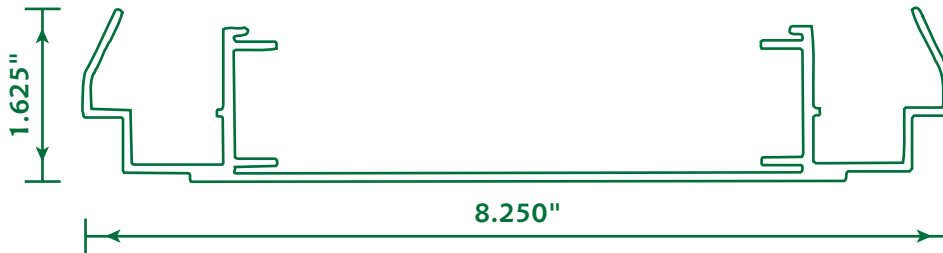


12" Frame

Frame Measure With Retainer On

Code: 7618024

Wt./Ft.: 2.348#



10" Frame

Frame Measure With Retainer On

Code: 7616024

Wt./Ft.: 2.20#

Retainer Angle For 10" & 12" Frame

All Retainers 24'6"

Code: 5022024

Wt./Ft.: .431#

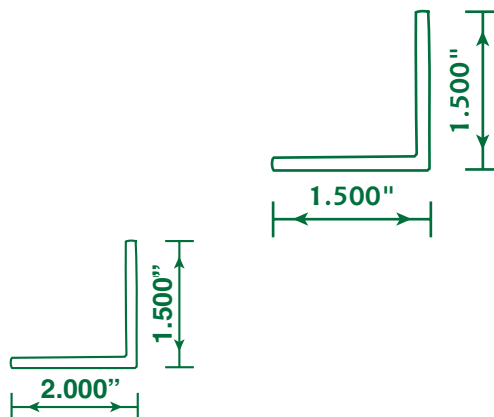
Retainer Measurements:

1-1/2" x 1-1/2" x 1/8"

Code: 5068024

Wt./Ft.: .506#

1-1/2" x 2" x 1/8"



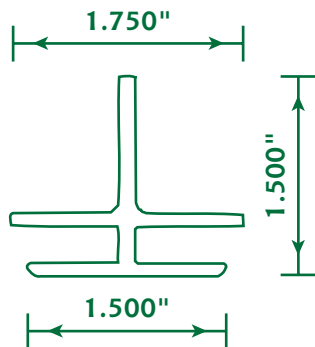
Double Tee Bar–Mill Finish 6063–T5

1-1/2" Double Tee Bar

Code: 7632024

Wt./Ft.: .585#

Length: 24'

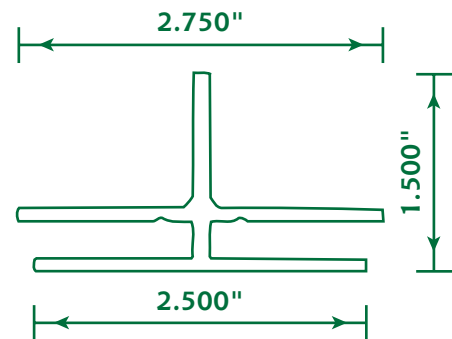


2-1/2" Double Tee Bar

Code: 7634024

Wt./Ft.: .786#

Length: 24'



Lamp and Ballast Track—Mill Finish

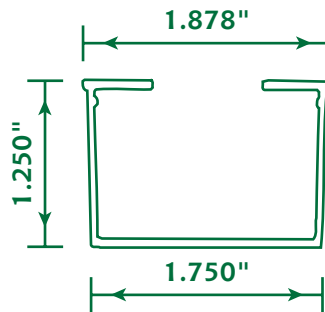
6063-T5

All Track 20' in Length

Lamp Track

Code: 7638020

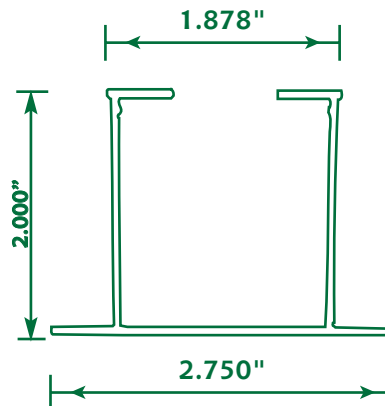
Wt./Ft.: .303#



Ballast Track

Code: 7636020

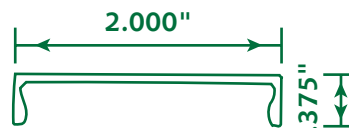
Wt./Ft.: .546#



Track Cap

Code: 7640020

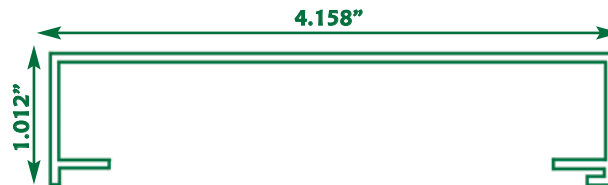
Wt./Ft.: .175#



Aluminum Raceways–Mill Finish

4" Raceway

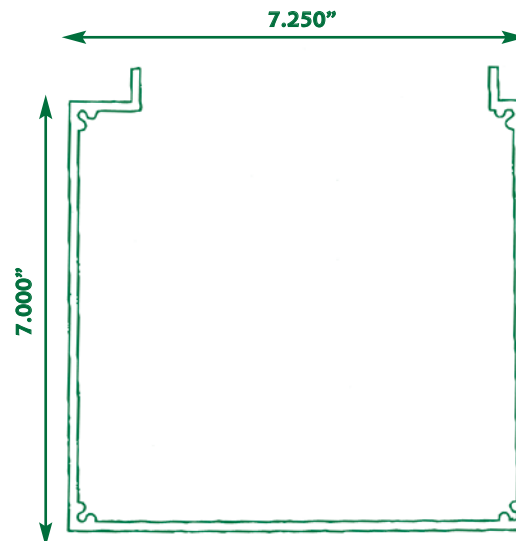
Code: LI86147
Length: 20'
Wt./Ft.: .511#



7-1/4" Raceway

Code: LI86764
Length: 20'
Wt./Ft.: 3.484#

Code: LI86765
Length: 24'
Wt./Ft.: 3.484#



7-1/4" Raceway Lids

Code: 7644020
Length: 20'
Wt./Ft.: .808#

Code: LI86754
Length: 24'
Wt./Ft.: .808#



Painted Channel Letter Coil

Part#	Description			Length	Color
	A	x	B		
8697270	.040"	x	5.3"	270'	Bronze/White PVC
8697070	.040"	x	5.3"	270'	Black/White PVC
8697370	.040"	x	5.3"	270'	White/White PVC
8697470	.040"	x	5.3"	270'	Red/White PVC
8697570	.040"	x	5.3"	270'	Ivy Green/White PVC
8698070	.040"	x	5.3"	270'	Matte Black/White PVC

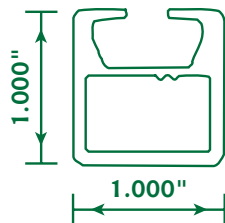
Additional colors and coil lengths available

Industrial Metals

Awning System Shapes — All Shapes 24' in Length

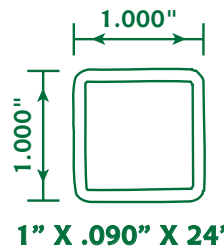
Main Awning Shape

Code: LI86528 Wt./Ft. .410#



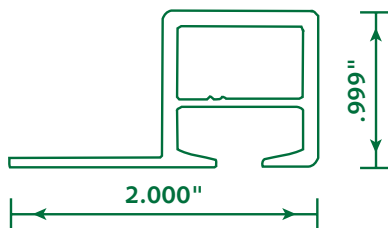
1" Square Tube w/Radius Corners

Code: 6643024 Wt./Ft. .392#



#1 Awning Shape w/Leg

Code: LI86526 Wt./Ft. .474#



Awning Tracks — All Tracks 24' in Length

#1 90 degree opening

Code: 7922024 Wt./Ft. .116#



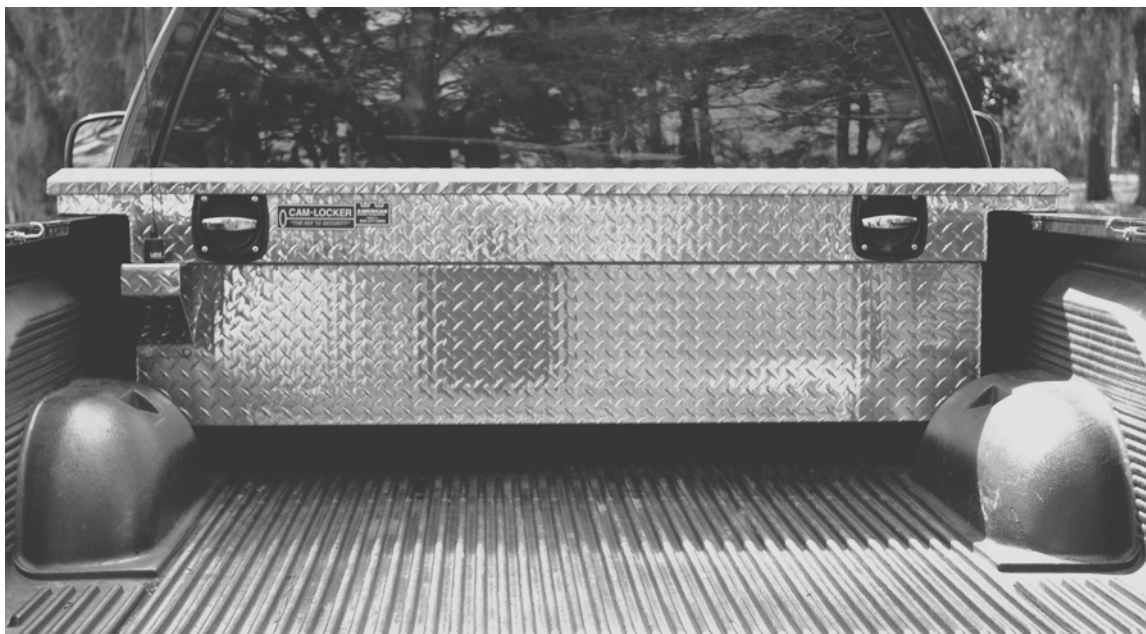
#2 30 degree opening

Code: 7920024 Wt./Ft. .146#



This image shows a single sheet of white paper with horizontal green ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

CAM-LOCKER TRUCK TOOL BOXES



PART

DESCRIPTION

CAMS71	FULL SIZE TRUCK STANDARD BOX (14" DEEP)
CAMS71LP	FULL SIZE TRUCK STANDARD BOX-LOW PROFILE (14" DEEP)
CAMKS71	FULL SIZE TRUCK KING SIZE BOX (19" DEEP)
CAMKS71LP	FULL SIZE TRUCK KING SIZE BOX-LOW PROFILE (19" DEEP)

****BOXES AVAILABLE WITH TOP RAIL AND/OR POWDERCOATING****

****SIZES & STYLES AVAILABLE FOR ALL MAKES AND MODELS****

****CALL YOUR LOCAL T & C BRANCH FOR PRICING & DETAILS****

NOTES

This image shows a single sheet of white paper with horizontal green ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Effect of Alloying Elements

1000 Series — Aluminum of 99 percent or higher purity has many applications, especially in the electrical and chemical fields. These compositions are characterized by excellent corrosion resistance, high thermal and electrical conductivity, low mechanical properties and excellent workability. Moderate increases in strength may be obtained by strain-hardening. Iron and silicon are the major impurities.

2000 Series — Copper is the principal alloying element in this group. These alloys require solution-heat treatment to obtain optimum properties; in the heat treated condition mechanical properties are similar to, and sometimes exceed those of mild steel. In some instances artificial aging is employed to further increase the mechanical properties. This treatment materially increases yield strength, with attendant loss in elongation; its effect on tensile (ultimate) strength is not so great. The alloys in the 2000 series do not have as good corrosion resistance as most other aluminum alloys, and under certain conditions they may be subject to intergranular corrosion. Therefore, these alloys in the form of sheet are usually clad with a high-purity alloy or magnesium silicon alloy of the 6000 series, which provides galvanic protection to the core material and thus greatly increases resistance to corrosion. Alloy 2024 is perhaps the best and most widely know aircraft alloy.

3000 Series — Manganese is the major alloying element of alloys in this group, which are generally non heat-treatable. Because only a limited percentage of manganese, up to 1.5 percent, can be effectively added to aluminum, it is used as a major element in only a few instances. One of these, however, is the popular 3003, which is widely used as a general purpose alloy for moderate strength applications requiring good workability.

4000 Series — The major alloying element of this group is silicon, which can be added in sufficient quantities to cause substantial lowering of the melting point without producing brittleness in the resulting alloys. For these reasons aluminum silicon alloys are used in welding wire and as brazing alloys where a lower melting point than that of the parent metal is required. Most alloys in this series are non heat-treatable, but when used in welding heat-treatable alloys they will pick up some of the alloying constituents of the latter and so respond to heat treatment to a limited extent. The alloys containing appreciable amounts of silicon will become dark gray when anodic oxide finishes are applied, and hence are in demand for architectural applications.

Industrial Metals

5000 Series — Magnesium is one of the most effective and widely used alloying elements for aluminum. When it is used as the major alloying element or with manganese, the result is a moderate to high strength non-heat-treatable alloy. Magnesium is considerably more effective than manganese as a hardener, about 0.8 percent magnesium being equal to 1.25 percent manganese, and it can be added in considerably higher quantities. Alloys in this series possess good welding characteristics and good resistance to corrosion in marine atmosphere. However, certain limitations should be placed on the amount of cold work and the safe operating temperatures permissible for the higher magnesium content alloys (over about 3.5 percent for operating temperatures above about 150°F) to avoid susceptibility to stress corrosion.

6000 Series — Alloys in this group contain silicon and magnesium in approximate proportions to form magnesium silicide, thus making them heat-treatable. The major alloy in this series is 6061, one of the most versatile of the heat-treatable alloys. Though less strong than most of the 2000 or 7000 alloys, the magnesium-silicon (or magnesium silicide) alloys possess good formability and corrosion resistance, with medium strength. Alloys in this heat-treatable group may be formed in the T4 temper (solution heat treated but not artificially aged) and then reach full T6 properties by artificial aging.

7000 Series — Zinc is the major alloying element in this group, and when coupled with a smaller percentage of magnesium results in heat-treatable alloys of very high strength. Usually other elements such as copper and chromium are also added in small quantities. The outstanding member of this group is 7075, which is among the highest strength alloys available and is used in air-frame structures for highly stressed parts.

Temper Designation Systems

The temper designation system is used for all forms of wrought and cast aluminum alloys except ingot. It is based on the sequence of basic treatments used to produce the various tempers. The temper designation follows the alloy designation, the two being separated by hyphen. Basic temper designations consist of letters. Subdivisions of the basic tempers, where required, are indicated by one or more digits following the letter. These designate specific sequences of various treatments, but only operations recognized as significantly influencing the characteristics of the product are indicated. Should some other variation of the same sequence of basic operations be applied to the same alloy, resulting in different characteristics, then additional digits are added to the designation.

Basic Temper Designations:

F As Fabricated

Applies to the products of shaping processes in which no special control over thermal conditions or strain-hardening is employed. For wrought products, there are no mechanical property limits.

O Annealed

Applies to wrought products that are annealed to obtain the lowest strength temper, and to cast products that are annealed to improve ductility and dimensional stability. The O may be followed by a digit other than zero.

H Strain-hardened (wrought products only)

Applies to products that have their strength increased by strain-hardening, with or without supplementary thermal treatments to produce some reduction in strength. The H is always followed by two or more digits.

W Solution heat-treated

An unstable temper applicable only to alloys that spontaneously age at room temperature after solution heat-treatment. This designation is specific only when the period of natural aging is indicated; for example, W 1/2 hr.

T Thermally treated to produce stable tempers other than F, O or H

Applies to products that are thermally treated, with or without supplementary strain-hardening, to produce stable tempers. The T is always followed by one or more digits.

Subdivision of H Temper: Strain-Hardened

The first digit following the H indicates the specific combination of basic operations as follows:

H1 Strain-hardened only

Applies to products that are strain-hardened to obtain the desired strength without supplementary thermal treatment. The number following this designation indicates the degree of strain-hardening.

H2 Strain-hardened and partially annealed

Applies to products that are strain-hardened more than the desired final amount and then reduced in strength to the desired level by partial annealing. For alloys that age-soften at room temperature, the H2 tempers have the same minimum ultimate tensile strength as the corresponding H3 tempers. For other alloys, the H2 tempers have the same minimum ultimate tensile strength as the corresponding H1 tempers and slightly higher elongation. The number following this designation indicates the degree of strain-hardening remaining after the product has been partially annealed.

H3 Strain-hardened and stabilized

Applies to products that are strain-hardened and whose mechanical properties are stabilized either by a low temperature thermal treatment or as a result of heat introduced during fabrication. Stabilization usually improves ductility. This designation is applicable only to those alloys that, unless stabilized, gradually age-soften at room temperature. The number following this designation indicates the degree of strain-hardening remaining after the stabilization treatment.

The digit following the designation H1, H2 and H3 indicates the degree of strain-hardening. Numeral 8 has been assigned to indicate tempers having an ultimate tensile strength equivalent to that achieved by a cold reduction (temperatures during reduction not to exceed 120°F) of approximately 75 percent following a full anneal. Tempers between 0 (annealed) and 8 are designated by numerals 1 through 7. Material having an ultimate tensile strength about midway between that of the 0 temper and that of the 8 temper is designated by the numeral 4; about midway between 0 and 4 tempers by the numeral 2; and about midway between 4 and 8 tempers by the numeral 6. Numeral 9 designates tempers whose minimum ultimate tensile strength exceeds that of the 8 temper by 2.0 ksi or more. For two digit H tempers whose second digit is odd, the standard limits for ultimate tensile strength are exactly midway between those of the adjacent two digit H tempers whose second digits are even.

Industrial Metals

Note: For alloys that cannot be cold reduced an amount sufficient to establish an ultimate tensile strength applicable to the 8 temper (75 percent cold reduction after full anneal), the 6 temper tensile strength may be established by a cold reduction of approximately 55 percent following a full anneal, or the 4 temper tensile strength may be established by a cold reduction of approximately 35 percent after a full anneal.

Numerals 1 through 10 following the T indicate specific sequences of basic treatments, as follows:

T1 Cooled from an elevated temperature shaping process and naturally aged to a substantially stable condition

Applies to products that are not cold worked after cooling from an elevated temperature shaping process, or in which the effect of cold work in flattening or straightening may not be recognized in mechanical property limits.

T2 Cooled from an elevated temperature shaping process, cold worked, and naturally aged to a substantially stable condition

Applies to products that are cold worked to improve strength after cooling from an elevated temperature shaping process, or in which the effect of cold work in flattening or straightening is recognized in mechanical property limits.

T3 Solution heat-treated, cold worked, and naturally aged to a substantially stable condition

Applies to products that are cold worked to improve strength after solution heat-treatment, or in which the effect of cold work in flattening or straightening is recognized in mechanical property limits.

T4 Solution heat-treated and naturally aged to a substantially stable condition

Applies to products that are not cold worked after solution heat-treatment, or in which the effect of cold work in flattening or straightening may not be recognized in mechanical property limits.

Industrial Metals

T5 Cooled from an elevated temperature shaping process and then artificially aged

Applies to products that are not cold worked after cooling from an elevated temperature shaping process, or in which the effect of cold work in flattening or straightening may not be recognized in mechanical property limits.

T6 Solution heat-treated and then artificially aged

Applies to products that are not cold worked after solution heat treatment, or in which the effect of cold work in flattening or straightening may not be recognized in mechanical property limits.

T7 Solution heat-treated and overaged/stabilized

Applies to wrought products that are artificially aged after solution heat treatment to carry them beyond a point of maximum strength to provide control of some significant characteristic. Applies to cast products that are artificially aged after solution heat treatment to provide dimensional and strength stability.

T8 Solution heat-treated, cold worked and then artificially aged

Applies to products that are cold worked to improve strength, or in which the effect of cold work in flattening or straightening is recognized in mechanical property limits.

T9 Solution heat-treated, artificially aged and then cold worked

Applies to products that are cold worked to improve strength.

T10 Cooled from an elevated temperature shaping process, cold worked and then artificially aged

Applies to products that are cold worked to improve strength, or in which the effect of cold work in flattening or straightening is recognized in mechanical property limits.

Decimal And Metric Equivalents

Parts of Inch

Fraction Inches	Decimal	Millimeters	Fraction Inches	Decimal	Millimeters
1/64	.015625	0.39687	33/64	.515625	13.09671
1/32	.03125	0.79374	17/32	.53125	13.49362
3/64	.046875	1.19061	35/64	.546875	13.89045
1/16	.0625	1.58748	9/16	.5625	14.28737
5/64	.078125	1.98435	37/64	.578125	14.68419
3/32	.09375	2.38123	19/32	.59375	15.08111
7/64	.109375	2.77809	39/64	.609375	15.47793
1/8	.125	3.17497	5/8	.625	15.87485
9/64	.140625	3.57183	41/64	.640625	16.27167
5/32	.15625	3.96871	21/32	.65625	16.66859
11/64	.171875	4.36557	43/64	.671875	17.06541
3/16	.1875	4.76245	11/16	.6875	17.46234
13/64	.203125	5.15931	45/64	.703125	17.85915
7/32	.21875	5.55620	23/32	.71875	18.25608
15/64	.234375	5.95305	47/64	.734375	18.65289
1/4	.25	6.34994	3/4	.750	19.04982
17/64	.265625	6.74679	49/64	.765625	19.44663
9/32	.28125	7.14368	25/32	.781125	19.84365
19/64	.296875	7.54053	51/64	.796875	20.24037
5/16	.3125	7.93743	13/16	.8125	20.63731
21/64	.328125	8.33427	53/64	.828125	21.03411
11/32	.34375	8.73117	27/32	.84375	21.43105
23/64	.359375	9.12801	55/64	.859375	21.82785
3/8	.375	9.52491	7/8	.875	22.22479
25/64	.390625	9.92175	57/64	.890625	22.62159
13/32	.40625	10.31865	29/32	.90625	23.01853
27/64	.421895	10.71549	59/64	.921875	23.41533
7/16	.4375	11.11240	15/16	.9375	23.81228
29/64	.453125	11.50923	61/64	.953125	24.20907
15/32	.46875	11.90614	31/32	.96875	24.60602
31/64	.484375	12.30297	63/64	.984375	25.00281
1/2	.5	12.69988	1	1.00000	25.39977

Industrial Metals

Standard Pipe Tolerances

Nominal Pipe Size ^① In.	Schedule Number ①	Outside Diameter In.			Inside Diameter In. Nom.	Wall Thickness In.			Weight per Foot Lb.	
		Nom.①	Min.②③	Max.②③		Nom.①	Min.②	Max.②	Nom.③	Max.②③
1/8	40	0.405	0.374	0.420	0.269	0.068	0.060	—	0.085	0.091
	80	0.405	0.374	0.420	0.215	0.095	0.083	—	0.109	0.118
1/4	40	0.540	0.509	0.555	0.364	0.088	0.077	—	0.147	0.159
	80	0.540	0.509	0.555	0.302	0.119	0.104	—	0.185	0.200
3/8	40	0.675	0.644	0.690	0.493	0.091	0.080	—	0.196	0.212
	80	0.675	0.644	0.690	0.423	0.126	0.110	—	0.256	0.276
1/2	5	0.840	0.809	0.855	0.710	0.065	0.053	0.077	0.186	—
	10	0.840	0.809	0.855	0.674	0.083	0.071	0.095	0.232	—
3/4	40	0.840	0.809	0.855	0.622	0.109	0.095	—	0.294	0.318
	80	0.840	0.809	0.855	0.546	0.147	0.129	—	0.376	0.406
1	160	0.840	0.809	0.855	0.464	0.188	0.164	—	0.453	0.489
	5	1.050	1.019	1.065	0.920	0.065	0.053	0.077	0.237	—
3/4	10	1.050	1.019	1.065	0.884	0.083	0.071	0.095	0.297	—
	40	1.050	1.019	1.065	0.824	0.113	0.099	—	0.391	0.422
1	80	1.050	1.019	1.065	0.742	0.154	0.135	—	0.510	0.551
	160	1.050	1.019	1.065	0.612	0.219	0.192	—	0.672	0.726
1-1/4	5	1.315	1.284	1.330	1.185	0.065	0.053	0.077	0.300	—
	10	1.315	1.284	1.330	1.097	0.109	0.095	0.123	0.486	—
1	40	1.315	1.284	1.330	1.049	0.133	0.116	—	0.581	0.627
	80	1.315	1.284	1.330	0.957	0.179	0.157	—	0.751	0.811
1-1/4	160	1.315	1.284	1.330	0.815	0.250	0.219	—	0.984	1.062
	5	1.660	1.629	1.675	1.530	0.065	0.053	0.077	0.383	—
1-1/2	10	1.660	1.629	1.675	1.442	0.109	0.095	0.123	0.625	—
	40	1.660	1.629	1.675	1.380	0.140	0.122	—	0.786	0.849
1-1/2	80	1.660	1.629	1.675	1.278	0.191	0.167	—	1.037	1.120
	160	1.660	1.629	1.675	1.160	0.250	0.219	—	1.302	1.407
1-1/2	5	1.900	1.869	1.915	1.770	0.065	0.053	0.077	0.441	—
	10	1.900	1.869	1.915	1.682	0.109	0.095	0.123	0.721	—
1-1/2	40	1.900	1.869	1.915	1.610	0.145	0.127	—	0.940	1.015
	80	1.900	1.869	1.915	1.500	0.200	0.175	—	1.256	1.357
2	160	1.900	1.869	1.915	1.338	0.281	0.246	—	1.681	1.815
	5	2.375	2.344	2.406	2.245	0.065	0.053	0.077	0.555	—
2	10	2.375	2.344	2.406	2.157	0.109	0.095	0.123	0.913	—
	40	2.375	2.351	2.399	2.067	0.154	0.135	—	1.264	1.365
2-1/2	80	2.375	2.351	2.399	1.939	0.218	0.191	—	1.737	1.876
	160	2.375	2.351	2.399	1.687	0.344	0.301	—	2.581	2.788
2-1/2	5	2.875	2.844	2.906	2.709	0.083	0.071	0.095	0.856	—
	10	2.875	2.844	2.906	2.635	0.120	0.105	0.135	1.221	—
2-1/2	40	2.875	2.846	2.904	2.469	0.203	0.178	—	2.004	2.164
	80	2.875	2.846	2.904	2.323	0.276	0.242	—	2.650	2.862
3	160	2.875	2.846	2.904	2.125	0.375	0.328	—	3.464	3.741
	5	3.500	3.469	3.531	3.334	0.083	0.071	0.095	1.048	—
3	10	3.500	3.469	3.531	3.260	0.120	0.105	0.135	1.498	—
	40	3.500	3.465	3.535	3.068	0.216	0.189	—	2.621	2.830
3-1/2	80	3.500	3.465	3.535	2.900	0.300	0.262	—	3.547	3.830
	160	3.500	3.465	3.535	2.624	0.438	0.383	—	4.955	5.351
3-1/2	5	4.000	3.969	4.031	3.834	0.083	0.071	0.095	1.201	—
	10	4.000	3.969	4.031	3.760	0.120	0.105	0.135	1.720	—
3-1/2	40	4.000	3.960	4.040	3.548	0.226	0.198	—	3.151	3.403
	80	4.000	3.960	4.040	3.364	0.318	0.278	—	4.326	4.672

Standard Pipe Tolerances *continued . . .*

Nominal Pipe Size ^① In.	Schedule Number ①	Outside Diameter In.			Inside Diameter In.		Wall Thickness In.			Weight per Foot Lb.	
		Nom.①	Min.②③	Max.②③	Nom.	Nom.①	Min.②	Max.②	Nom.③	Max.②③	
4	5	4.500	4.469	4.531	4.334	0.083	0.071	0.095	1.354	—	
	10	4.500	4.469	4.531	4.260	0.120	0.105	0.135	1.942	—	
	40	4.500	4.455	4.545	4.026	0.237	0.207	—	3.733	4.031	
	80	4.500	4.455	4.545	3.826	0.337	0.295	—	5.183	5.598	
	120	4.500	4.455	4.545	3.624	0.438	0.383	—	6.573	7.099	
5	160	4.500	4.455	4.545	3.438	0.531	0.465	—	7.786	8.409	
	5	5.563	5.532	5.625	5.345	0.109	0.095	0.123	2.196	—	
	10	5.563	5.532	5.625	5.295	0.134	0.117	0.151	2.688	—	
	40	5.563	5.507	5.619	5.047	0.258	0.226	—	5.057	5.461	
	80	5.563	5.507	5.619	4.813	0.375	0.328	—	7.188	7.763	
6	120	5.563	5.507	5.619	4.563	0.500	0.438	—	9.353	10.10	
	160	5.563	5.507	5.619	4.313	0.625	0.547	—	11.40	12.31	
	5	6.625	6.594	6.687	6.407	0.109	0.095	0.123	2.624	—	
	10	6.625	6.594	6.687	6.357	0.134	0.117	0.151	3.213	—	
	40	6.625	6.559	6.691	6.065	0.280	0.245	—	6.564	7.089	
8	80	6.625	6.559	6.691	5.761	0.432	0.378	—	9.884	10.67	
	120	6.625	6.559	6.691	5.501	0.562	0.492	—	12.59	13.60	
	160	6.625	6.559	6.691	5.187	0.719	0.629	—	15.69	16.94	
	5	8.625	8.594	8.718	8.407	0.109	0.095	0.123	3.429	—	
	10	8.625	8.594	8.718	8.329	0.148	0.130	0.166	4.635	—	
10	20	8.625	8.539	8.711	8.125	0.250	0.219	—	7.735	8.354	
	30	8.625	8.539	8.711	8.071	0.277	0.242	—	8.543	9.227	
	40	8.625	8.539	8.711	7.981	0.322	0.282	—	9.878	10.67	
	60	8.625	8.539	8.711	7.813	0.406	0.355	—	12.33	13.31	
	80	8.625	8.539	8.711	7.625	0.500	0.438	—	15.01	16.21	
12	100	8.625	8.539	8.711	7.437	0.594	0.520	—	17.52	19.03	
	120	8.625	8.539	8.711	7.187	0.719	0.629	—	21.00	22.68	
	140	8.625	8.539	8.711	7.001	0.812	0.710	—	23.44	25.31	
	160	8.625	8.539	8.711	6.813	0.906	0.793	—	25.84	27.90	
	5	10.750	10.719	10.843	10.482	0.134	0.117	0.151	5.256	—	
12	10	10.750	10.719	10.843	10.420	0.165	0.144	0.186	6.453	—	
	20	10.750	10.642	10.858	10.250	0.250	0.219	—	9.698	10.47	
	30	10.750	10.642	10.858	10.136	0.307	0.269	—	11.84	12.79	
	40	10.750	10.642	10.858	10.020	0.365	0.319	—	14.00	15.12	
	60	10.750	10.642	10.858	9.750	0.500	0.438	—	18.93	20.45	
12	80	10.750	10.642	10.858	9.562	0.594	0.520	—	22.29	24.07	
	100	10.750	10.642	10.858	9.312	0.719	0.629	—	26.65	28.78	
	5	12.750	12.719	12.843	12.438	0.156	0.136	0.176	7.258	—	
	10	12.750	12.719	12.843	12.390	0.180	0.158	0.202	8.359	—	
	20	12.750	12.622	12.878	12.250	0.250	0.219	—	11.55	12.47	
12	30	12.750	12.622	12.878	12.090	0.330	0.289	—	15.14	16.35	
	40	12.750	12.622	12.878	11.938	0.406	0.355	—	18.52	20.00	
	60	12.750	12.622	12.878	11.626	0.562	0.492	—	25.31	27.33	
	80	12.750	12.622	12.878	11.374	0.688	0.602	—	30.66	33.11	

① In accordance with ANSI Standards B36.10 and B36.19

② Based on nominal dimensions, plain ends, and a density of 0.098 lb. per cu. in., the density of 6061 alloy. For alloy 6063 multiply by 0.99 and for alloy 3003 multiply by 1.01.

③ For schedules 5 and 10 these values apply to mean outside diameters.

Industrial Metals

Comparison of Gauges

Gauge	United States Std.	USS REV	Thickness Equivalent Galv. Sheet	Brown and Sharpe	Oz./ Sq. Ft.	Decimal Equivalent
	Stainless Steel Monel Nickel	Galvannealed Cold Rolled Hot Rolled Steel Sheet	After Galvanizing	Aluminum Brass Bronze	Copper	
30	.0125	.0120	.0157	.0100	8	.0108
29	.0140	.0135	.0172	.0113		
28	.0156	.0149	.0187	.0126	10	.0135
27	.0171	.0164	.0202	.0142	12	.0162
26	.0187	.0179	.0217	.0159	14	.0189
25	.0218	.0209	.0247	.0179	16	.0216
24	.0250	.0239	.0276	.0201	18	.0243
23	.0281	.0269	.0306	.0226	20	.0270
22	.0312	.0299	.0336	.0253		
21	.0343	.0329	.0366	.0285	24	.0323
20	.0375	.0359	.0396	.0320	28	.0377
19	.0437	.0418	.0456	.0359	32	.0431
18	.0500	.0478	.0516	.0403		
17	.0562	.0538	.0575	.0453	36	.0485
16	.0625	.0598	.0635	.0508	40	.0539
15	.0703	.0673	.0710	.0571	48	.0647
14	.0781	.0747	.0785	.0641	64	.0863
13	.0937	.0897	.0934	.0720	3/32	.0937
12	.1093	.1046	.1084	.0808		
11	.1250	.1196	.1233	.0907	1/8	.1250
10	.1406	.1345	.1382	.1019		

Description of Stainless Steel

Type 303	<i>Free machining. Non-hardenable by heat treatment.</i>
Type 304	<i>Basic, general purpose with good corrosion resistance and mechanical properties. Non-hardenable by heat treatment.</i>
Type 304L	<i>Extra-low carbon content eliminates carbide precipitation due to welding. Non-hardenable by heat treatment.</i>
Type 316	<i>Molybdenum content improves general corrosion and pitting resistance and high temperature strength over that of Type 304. Non-hardenable by heat treatment.</i>
Type 316L	<i>Extra-low carbon version of Type 316. Eliminates harmful carbide precipitation due to welding. Non-hardenable by heat treatment.</i>
Type 317L	<i>Extra-low carbon version of Type 317. Eliminates harmful carbide precipitation due to welding. Non-hardenable by heat treatment.</i>
Type 17-4PH	<i>Combines excellent corrosion resistance, high strength and hardness, low temperature hardening, and good fabricating characteristics. Precipitation hardened.</i>

Industrial Metals

Typical Mechanical Properties

Sheet and Plate — Condition Annealed

Type	Ultimate Tensile Strength PSI	0.2% Yield Strength PSI	Elongation % in 2"	Rockwell Hardness
304/304L	85,000	35,000	55	B80
316/316L	85,000	35,000	50	B80
317L	85,000	35,000	55	B80

Rod and Bar — Condition Annealed

Type	Ultimate Tensile Strength PSI	0.2% Yield Strength PSI	Elongation % in 2"	Rockwell Hardness
303	90,000	35,000	50	B83
304/304L	85,000	35,000	60	B80
316/316L	85,000	35,000	60	B80
17-4PH	145,000	125,000	19	C33

Industrial Metals

Typical Chemical Composition Percent Maximum Unless Otherwise Shown

Type Number	UNS Number	C	Mn	P	S	Si	Cr	Ni	Mo	Other Elements
303	S30300	.15	2.0	.200	.15 Min.	1.0	17.00/ 19.00	8.00/ 10.00	0.60* —	— —
304	S30400	.08	2.0	.045	.030	1.0	18.00/ 20.00	8.00/ 10.50	— —	— —
304L	S30403	.03	2.0	.045	.030	1.0	18.00/ 20.00	8.00/ 12.00	— —	— —
304D	S30430	.08	2.0	.045	.030	1.0	17.00/ 19.00	8.00/ 10.00	— —	2 —
316	S31600	.08	2.0	.045	.030	1.0	16.00/ 18.00	10.00/ 14.00	2.00/ 3.00	— —
316L	S31603	.03	2.0	.045	.030	1.0	16.00/ 18.00	10.00/ 14.00	2.00/ 3.00	— —
317L	S31703	.03	2.0	.045	.030	1.0	18.00 20.00	11.00/ 15.00	3.00/ 4.00	— —

Tolerances

Stainless Steel Bars

Rounds — Cold Finished

Under 5/16	± .001
Over 5/16 to 1/2 incl.	± .0015
Over 1/2 to 1 incl.	± .002
Over 1 to Under 1-1/2	± .0025
1-1/2 to 4 incl.	± .003
Over 4 to 4-1/2 incl.	± .005
Over 4-1/2 to 6 incl.	± .008

Rounds — Hot Rolled & Rough Turned

Over 2 to 2-1/2	+ 1/32-0	.023
Over 2-1/2 to 3-1/2	+ 3/64-0	.035
Over 3-1/2 to 4-1/2	+ 1/16-0	.046
Over 4-1/2 to 5-1/2	+ 5/64-0	.058
Over 5-1/2 to 6-1/2	+ 1/8-0	.070
Over 6-1/2 to 8	+ 5/32-0	.085

Square & Hexagon — Cold Finished

Under 5/16	+ .000 - .002
Over 5/16 to Under 1/2	+ .000 - .003
1/2 to 1 incl.	+ .000 - .004
Over 1 to 2 incl.	+ .000 - .006
Over 2 to 3 incl.	+ .000 - .008
Over 3	+ .000 - .011

Straightness Tolerances For Machine Straightened Bars

Hot Finish
1/8 Inch in Any 5 Ft.,
But May Not Exceed 1/8 x
No. of Feet in Length

Cold Finish
1/16 Inch in Any 5 Ft.,
But May Not Exceed 1/16 x
No. of Feet in Length

Industrial Metals

Commonly Used Specifications Covering Stainless Steel

Plate, Sheet & Strip

Stainless

Steel	Uns	AMS	ASTM	Federal	Military
304	S30400	5513	A240	QQ-S-766	MIL-S-5059
304L	S30403	5511	A240	—	MIL-S-4043
316	S31600	5524	—	—	MIL-S-5059
316L	S31603	5507	—	—	—
317L	S31703	—	A240	—	—

Wire, Rod, Bar Shapes

Stainless

Steel	Uns	AMS	ASTM	Federal	Military
303	S30300	5640	A314 A320 A582 A473		MIL-S-862 MIL-W-52263
304	S30400	5639	A182 A193 A276 A314 A320 A479 A473	QQ-S-763	
304L	S30403	5647	A182 A276 A314 A479 A473	QQ-S-763	
316	S31600	5648	A182 A193 A276 A314 A320 A479 A473	QQ-S-763	MIL-S-7720 MIL-S-862
316L	S31603	5653	A182 A276 A314 A473 A479	QQ-S-763	MIL-S-862
17Cr-4Ni	S17400	5643 5622	A564	—	MIL-C-24527

Hardness Conversion Table (Approximate)

Brinell Hardness	Rockwell B Scale	Rockwell C Scale	Approximate Tensile Lbs.. p.s.i.	Brinell Hardness	Rockwell B Scale	Approximate Tensile Lbs. p.s.i.
653	—	62	324,000	217	96	103,000
627	—	60	311,000	212	96	103,000
601	—	59	306,000	207	95	101,000
578	—	57	290,000	202	94	98,000
555	—	56	284,000	197	93	96,000
534	—	54	270,000	192	92	93,000
514	—	53	263,000.	187	91	91,000
495	—	51	250,000.	183	90	89,000
477	—	50	243,000	179	89	87,000
461	—	49	236,000	174	88	85,000
444	—	47	223,000	170	87	83,000
429	—	47	217,000	166	86	81,000
415	—	45	211,000	163	85	80,000
401	—	42	194,000	159	84	78,000
388	—	41	188,000	156	83	77,000
375	—	40	182,000	153	82	76,000
363	—	38	171,000	149	81	75,000
352	—	37	166,000	146	80	74,000
331	—	36	162,000	143	79	73,000
321	—	34	153,000	140	78	71,000
311	—	33	148,000	137	77	70,000
302	—	32	144,000	134	76	69,000
293	—	31	140,000	131	74	67,000
285	—	30	136,000	128	73	66,000
277	—	29	132,000	126	72	65,000
269	—	28	129,000	124	71	63,000
262	—	27	126,000	121	70	62,000
255	—	25	120,000	118	69	61,000
248	—	24	117,000	116	68	60,000
241	100	23	115,000	114	67	59,000
235	99	22	112,000	112	66	58,000
229	98	21	110,000	109	65	57,000
223	97	20	108,000	107	64	55,000