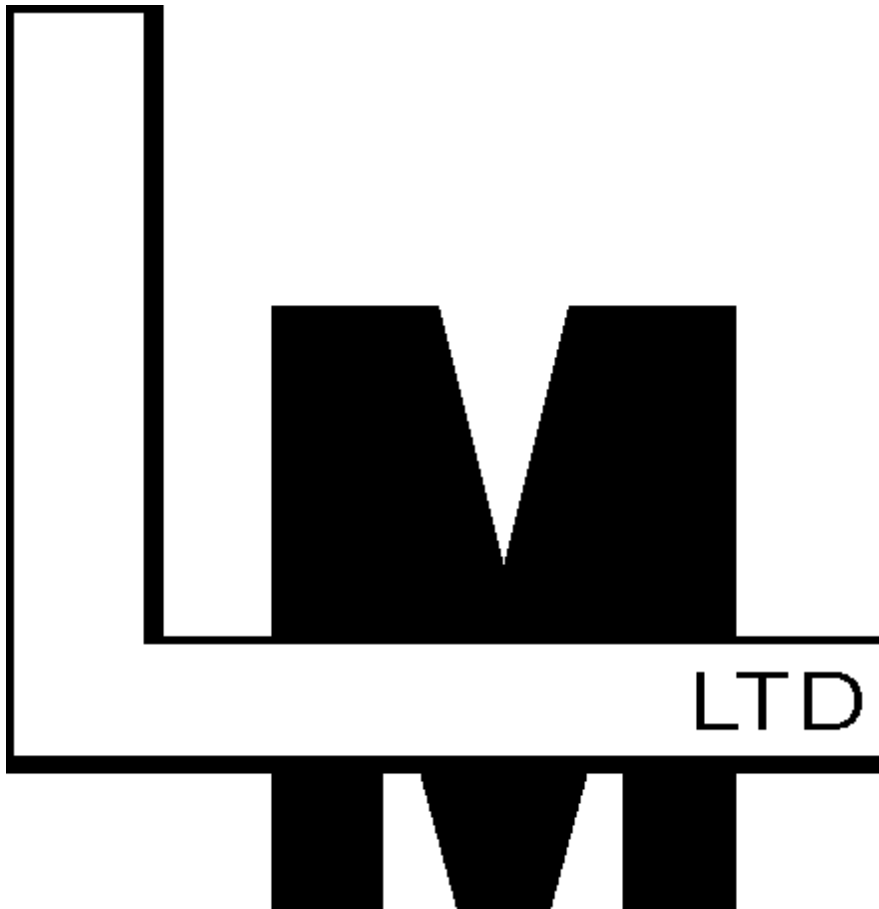


PRODUCT CATALOGUE



**37 and 39 Grenfell Crescent,
Nepean, ON K2G 0G3**

Hours of Operation: Monday-Friday 8:00 AM – 5:00 PM

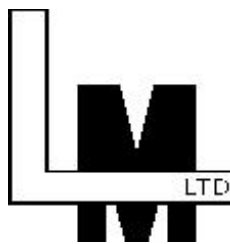
Phone: (613) 226-1102

Fax: (613) 226-6097

e-mail: info@louconmetal.com

web: www.louconmetal.com

We accept Visa, MasterCard and Interac



Although every effort has been taken to check the accuracy of information contained herein, we cannot assume responsibility for errors.

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In addition to our full line of metal products, we provide the following value-added services:

- Cut to Length
 - Oxy-actylene
 - Bandsaw
 - Bar Shear
- Shear to Size
 - 1/16" thick through 3/8" thick
- Track torch cutting (for heavy plates)
- Free Delivery Service
 - Available weekdays in Ottawa for orders exceeding \$150.00
 - Available one day per week in Arnprior and Kemptville (> \$150)
- Sheet and Plate Forming
 - Capacity up to 12' long of 3/8" mild steel, 7' long of 1/2" mild steel
- Sheet and Plate Rolling
 - Capacity up to 8' long of 1/4" mild steel
- Hole Drilling
- Hole Punching (round, square, oblong)
- Bar Threading (UNC)
- Beam Splices
- Brick Flanges
- Pipe Bending
- Welding

Please call, fax or e-mail us for a quote on your processing requirements.

U = Uniform Load (lbs per ft)

2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"
-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

C = Concentrated Load (lbs per ft)

D = Deflection (inches)



ALUMINUM ANGLES

6063-T5
ARCHITECTURAL
 Square Corners
 Stock Lengths 21 ft

Size Inches	Weight lbs per ft
1/2 X 1/2 X 1/16	.070
X 1/8	.128
3/4 X 3/4 X 1/8	.211
1 X 1 X 1/8	.280
1 1/4 X 1 1/4 X 1/8	.356
1 1/2 X 1 1/2 X 1/8	.432
2 X 2 X 1/8	.563
X 3/16	.832
X 1/4	1.125



ALUMINUM ANGLES
6061-T6 STRUCTURAL

Round Fillets

Stock Lengths 20 ft

Size Inches	Weight lbs per ft
1 X 1 X 1/8	0.279
X 1/4	0.53
1 1/4 X 1 1/4 X 1/8	0.343
X 3/16	0.509
1 1/2 X 1 1/2 X 1/8	0.432
X 3/16	0.634
X 1/4	0.811
2 X 2 X 1/8	0.572
X 3/16	0.845
X 1/4	1.125
3 X 3 X 1/4	1.712
3 X 2 X 3/16	1.071
4 X 4 X 1/4	2.375


ALUMINUM FLAT BARS
6061-
T6

Stock Lengths 20 ft

Size Inches	Weight lbs per ft	Size Inches	Weight lbs per ft
1/8 X 1/2	.0735	3/8 X 1	0.441
3/4	.11	1 1/2	0.661
1	.147	2	0.882
1 1/2	.22	2 1/2	1.102
2	.294	3	1.322
3	.441	1/2 X 1	0.587
3/16 X 3/4	.165	1 1/2	0.881
1	.22	2	1.175
1 1/4	.275	2 1/2	1.469
1 1/2	.331	3	1.762
2	.441	4	2.352
1/4 X 1/2	.147	6	3.64
3/4	.221	3/4 X 2	1.762
1	.294	3	2.643
1 1/4	.367	4	3.524
1 1/2	.441	6	5.287
2	.587	1 X 1 1/2	1.764
2 1/2	.734	2	2.35
3	.882	3	3.64
4	1.176	4	4.7
5	1.47		
6	1.764		

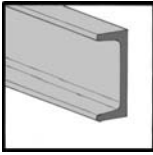


ALUMINUM ROUND BAR

6061-T6

Stock Lengths 12 or 20 ft

Diameter Inches	Weight lbs per ft
1/4	.059
5/16	.090
3/8	.130
1/2	.230
5/8	.360
3/4	.530
7/8	.706
1	.922
1 1/4	1.743
1 3/8	1.7445
1 1/2	2.074
1 3/4	2.823
2	3.687
2 1/2	5.88
3	8.296
3 1/2	11.30
4	14.75


ALUMINUM CHANNELS
6063-T5
ARCHITECTURAL
 Square Fillets

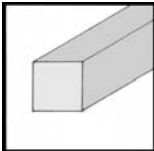
Stock Lengths 21 ft

Size Inches	Weight lbs per ft
1 X 1/2 X 1/8	.263
1 X 3/4 X 1/8	.337
1 1/2 X 3/4 X 1/8	.41
1 1/2 X 1 1/2 X 1/8	.625
2 X 1 X 1/8	.550

ALUMINUM CHANNELS
6061-T6 Structural
 Round Fillets

Stock Lengths 20 ft

Size Inches	Weight lbs per ft
3 X 1 1/2 X 3/16	1.48
3 X 2 X 1/4	2.18
4 X 2 X 1/4	2.52


**ALUMINUM SQUARE
BAR**
6061-T6

Stock Lengths 20 ft

Except 1/4" at 12 ft

Size Inches	Weight lbs per ft
3/8	0.165
1/2	.300
5/8	.460
3/4	.674
1	1.175
1 1/4	1.337
1 1/2	2.643
2	4.70


ALUMINUM PIPE SIZES
SCHEDULE 40 (STANDARD WALL)
Extruded 6061-T6

Stock Lengths 20 ft

Nominal Size Inches	Outside Diameter Inches	Wall Thickness Inches	Inside Diameter Inches	Weight lbs per ft
1/2	.840	.109	.622	.293
3/4	1.050	.113	.824	.391
1	1.315	.133	1.049	.581
1 1/4	1.660	.140	1.380	.786
1 1/2	1.900	.145	1.610	.940
2	2.375	.154	2.067	1.264
2 1/2	2.875	.203	2.469	2.004

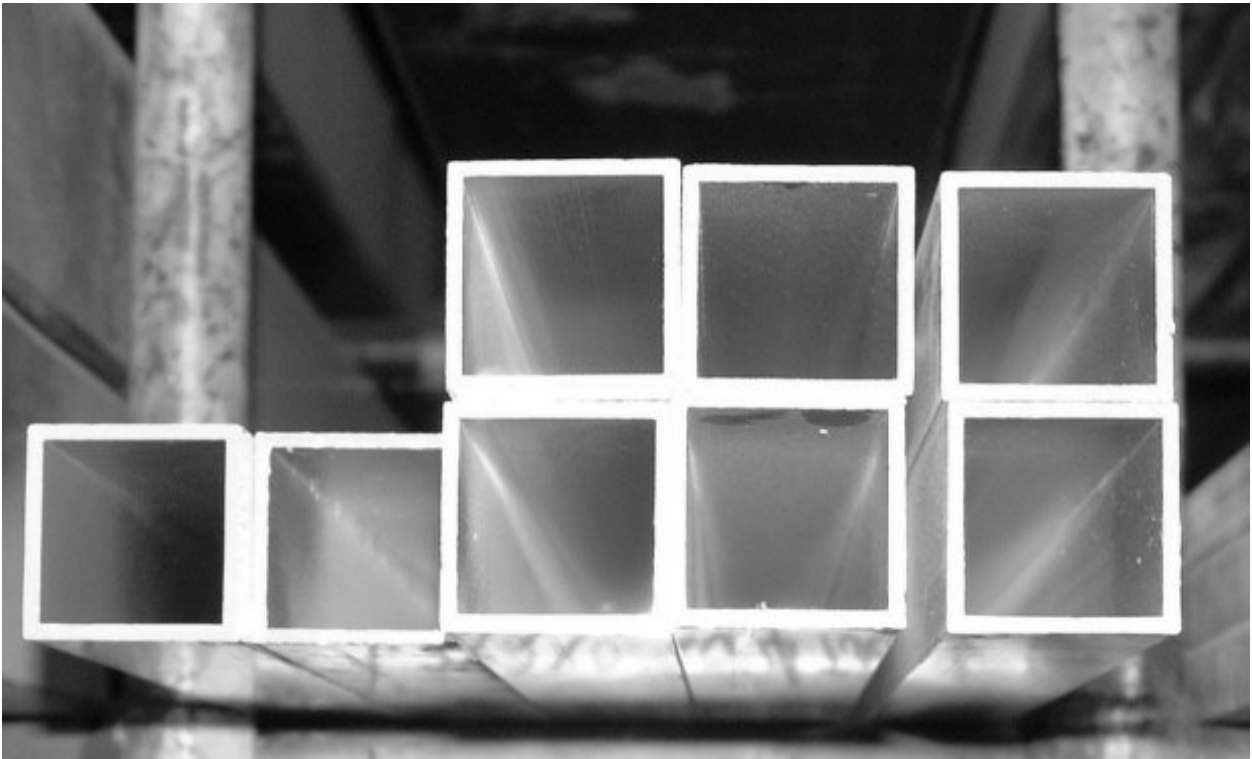
ALUMINUM ROUND TUBE

6061-T6 or 6063-T5

Extruded

Stock Lengths 20 ft

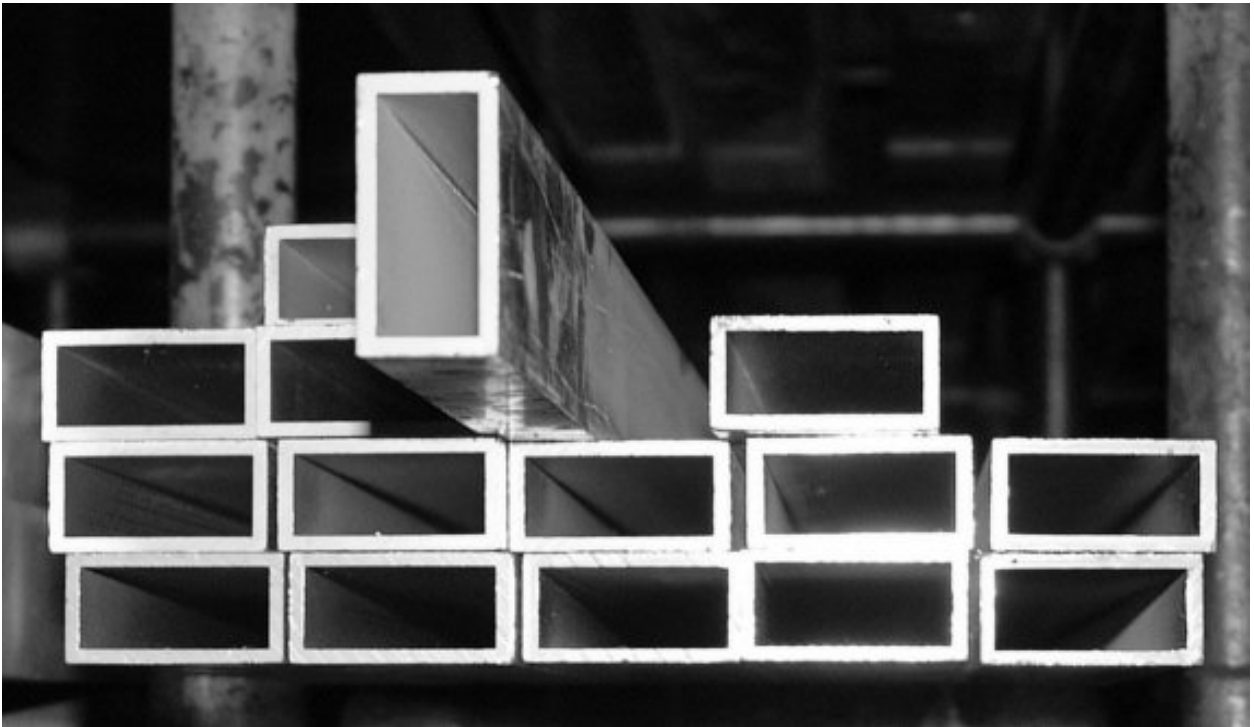
Size Inches	Weight lbs per ft
1/2 O.D. X .065	.106
3/4 O.D. X .065	.164
1 O.D. X .065	.224



ALUMINUM SQUARE TUBE

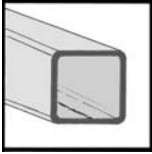
6063-T5
ARCHITECTURAL
 Square Corners
 Stock Lengths 21 ft

Size Inches	Weight lbs per ft
1/2 X 1/2 X .065	.133
3/4 X 3/4 X .065	.218
1 X 1 X .095	.413
1 1/4 X 1 1/4 X .120	.664
1 1/2 X 1 1/2 X .095	.640
X .120	.750
2 X 2 X .120	1.07



**ALUMINUM
RECTANGULAR TUBE
6063-T5 ARCHITECTURAL**
Square Corners
Stock Lengths 21 ft

Size Inches	Weight lbs per ft
2 X 1 X .120	.805
3 X 2 X .120	1.370



ALUMINUM SQUARE TUBE

6061-T6 STRUCTURAL

Round Corners

Stock Lengths 20 ft

Size Inches	Weight lbs per ft
1 X 1 X .120	.474
1 1/4 X 1 1/4 X .120	.664
1 1/2 X 1 1/2 X .120	.75
2 X 2 X .120	.983
X .188	1.502
X .250	1.87
3 X 3 X .250	3.219



**ALUMINUM SHEET
UTILITY GRADE (3003-H14)**

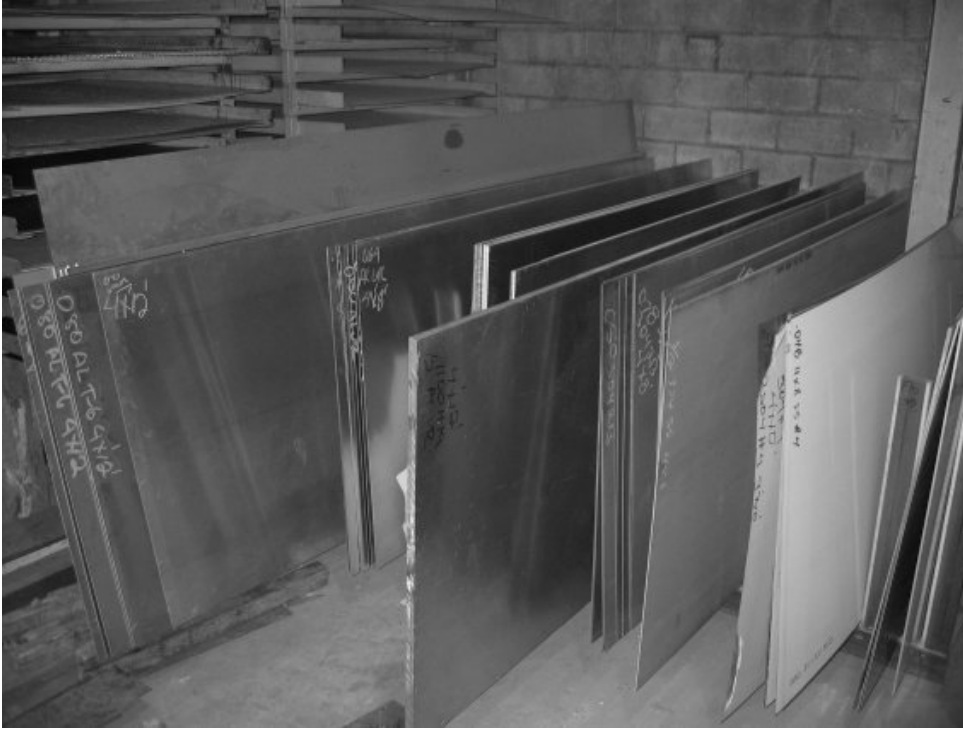
Mill Finish
Stock Sheets 4 ft by 8 ft

Thickness Inches	Gauge	Weight lbs per sq ft
.032	20	.451
.040	18	.563
.050	16	.718
.063	14	.901
.080	12	1.14
.090	11	1.282

**ALUMINUM SHEET
6061-T6**

Mill Finish
Stock Sheets 4 ft by 12 ft

Thickness Inches	Gauge	Weight lbs per sq ft
.050	16	.718
.063	14	.901
.080	12	1.14
.090	11	1.282


ALUMINUM PLATE
UTILITY GRADE

Mill Finish

Stock Sheets 4 ft by 8 ft

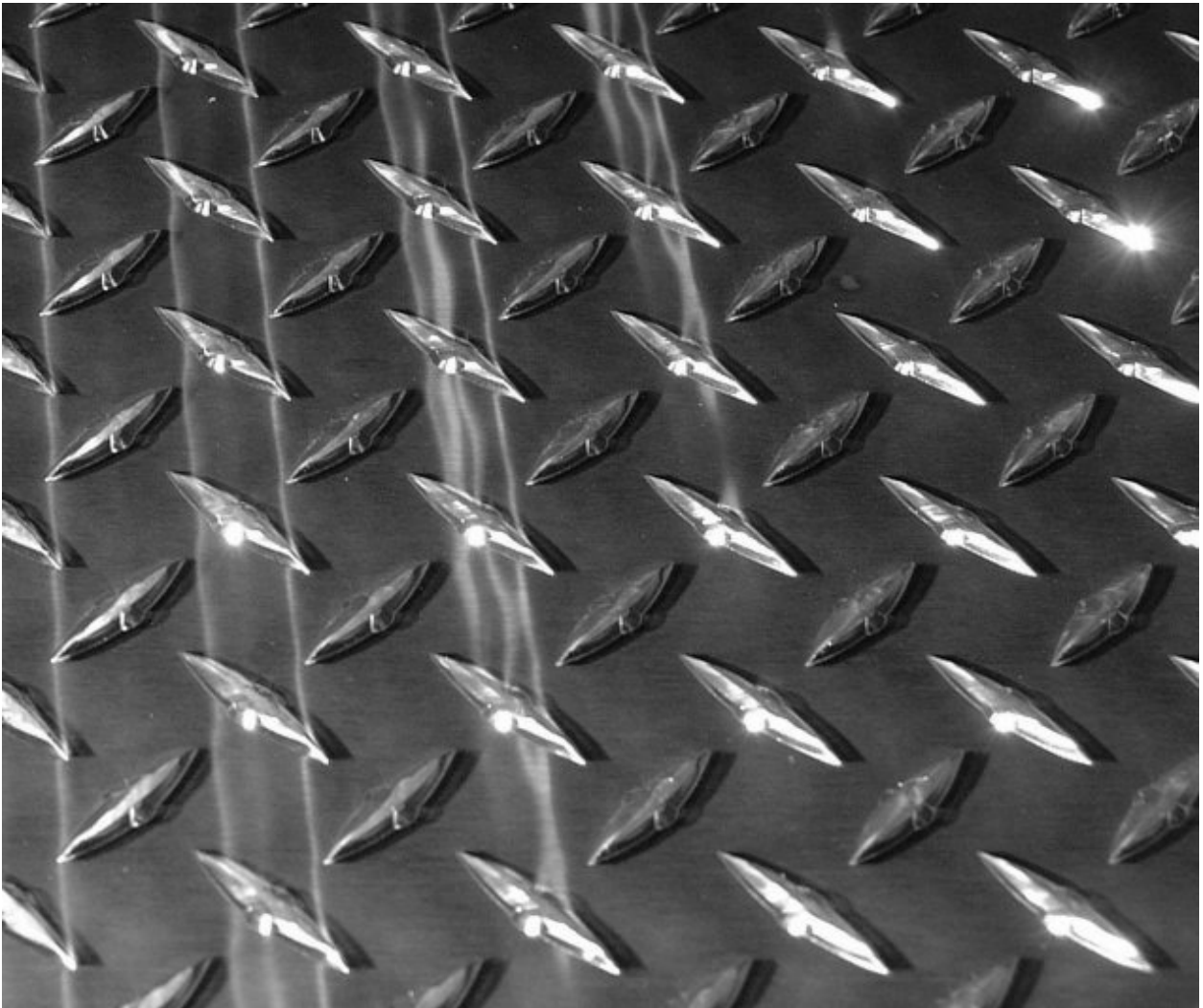
Thickness Inches	Weight lbs per sq ft	Grade
1/8	1.762	3003-H14
3/16	2.641	3003-H14
1/4	3.521	3003-H14
3/8	5.291	5052-H32
1/2	7.042	5052-H32

ALUMINUM PLATE
6061-T6 Structural Grade

Mill Finish

Stock Sheets 4 ft by 12 ft

Thickness Inches	Weight lbs per sq ft
1/8	1.762
3/16	2.641
1/4	3.521
3/8	5.291
1/2	7.042



ALUMINUM CHECKER PLATE

Grade 3003-H22

Stock Sheets 4 ft by 8 ft

Thickness Inches	Weight lbs per sq ft
1/16	1.02
1/8	1.9
3/16	2.8
1/4	3.7

DECIMAL EQUIVALENTS

FRACTION Inch	DECIMAL Inch	mm	FRACTION Inch	DECIMAL Inch	mm	FRACTION Inch	DECIMAL Inch	mm	FRACTION Inch	DECIMAL Inch	mm
1/64	.0156	.3962	17/64	.2656	6.7462	33/64	.5156	13.0962	49/64	.7656	19.4462
1/32	.0312	.7925	9/32	.2812	7.1425	17/32	.5312	13.4925	25/32	.7812	19.8425
3/64	.0469	1.1913	19/64	.2969	7.5412	35/64	.5469	13.8912	51/64	.7969	20.2413
1/16	.0625	1.5875	5/16	.3125	7.9375	9/16	.5625	14.2875	13/16	.8125	20.6375
5/64	.0781	1.9844	21/64	.3281	8.3337	37/64	.5781	14.6837	53/64	.8281	21.0337
3/32	.0937	2.3799	11/32	.3437	8.7299	19/32	.5937	15.0799	27/32	.8437	21.4299
7/64	.1093	2.7762	23/64	.3594	9.1287	39/64	.6094	15.4787	55/64	.8594	21.8287
1/8	.1250	3.1750	3/8	.3750	9.5250	5/8	.6250	15.8750	7/8	.8750	22.2250
9/64	.1406	3.5712	25/64	.3906	9.9212	41/64	.6406	16.2712	57/64	.8906	22.6212
5/32	.1562	3.9675	13/32	.4062	10.3174	21/32	.6562	16.6675	29/32	.9062	23.0175
11/64	.1719	4.3663	27/64	.4219	10.7167	43/64	.6719	17.0662	59/64	.9219	23.4162
3/16	.1875	4.7625	7/16	.4375	11.1125	11/16	.6875	17.4625	15/16	.9375	23.8125
13/64	.2031	5.1587	29/64	.4531	11.5087	45/64	.7031	17.8587	61/64	.9531	24.2087
7/32	.2187	5.5549	15/32	.4687	11.9049	23/32	.7187	18.2549	31/32	.9687	24.6049
15/64	.2344	5.9538	31/64	.4844	12.3037	47/64	.7344	18.6538	63/64	.9844	25.0037
1/4	.2500	6.3500	1/2	.5000	12.7000	3/4	.7500	19.0500	1	1.000	25.4000

COMMON CONVERSIONS

MEASURE	BY	TO OBTAIN
millimetres	0.03937	Inches
millimetres	0.003281	Feet
metres	3.281	Feet
Inches	25.4	millimetres
Feet	304.8	millimetres
Feet	0.3048	metres
Miles	1.609	kilometres
Square millimetres	0.00155	Square Inches
Square metres	10.764	Square Feet
Square Inches	645.2	Square millimetres
Square Feet	0.0929	Square metres
kilograms	2.2046	Pounds
metric tonnes	1.102	Short Tons
Pounds	0.4536	kilograms
Short Tons	0.907	metric tonnes
kilopascals	20.89	Pounds per Square Foot
megapascals	0.145	Kips per Square Inch
Pounds per Square Foot	0.0479	kilopascals
Kips per Square Foot	6.895	megapascals
kilograms per lineal metre	0.6667	Pounds per lineal Foot
Degrees Celsius	(X 1.8) + 32	Degrees Fahrenheit
Degrees Fahrenheit	(-32) X .55	Degrees Celsius