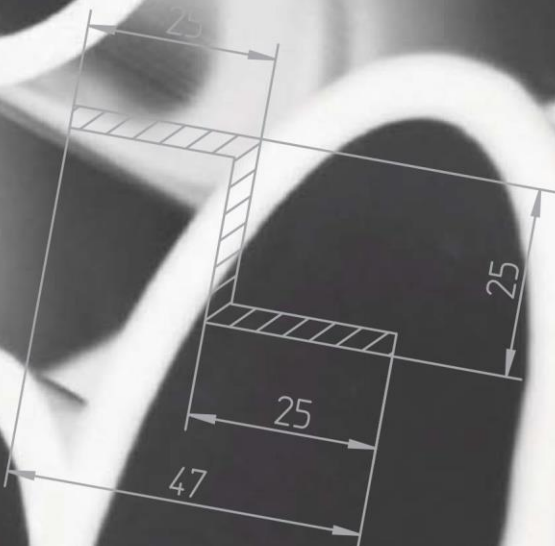
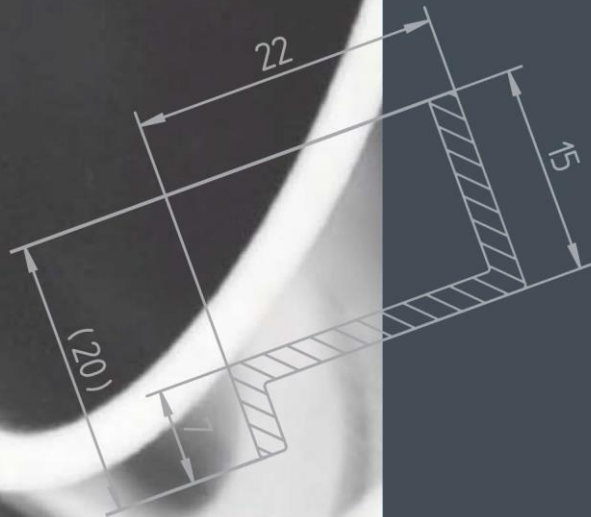




Hydro



Standards Catalogue

Discover the possibilities with
aluminium profiles from Hydro

Aluminium profiles – the possibilities

Aluminium profiles enable designers to create unique solutions that satisfy all expectations and demands.

It is at the design stage that there are so many opportunities to incorporate features that will make profiles easier to machine and assemble. Low weight combined with high strength, excellent corrosion resistance and superb finishes are just some of the properties that designers can fine tune to ensure that the final product meets all specifications.

Hydro develops, produces and markets value added profiles in lightweight aluminium and is one of the world's leading manufacturers.

Aluminium and the environment

The primary source of aluminium is Bauxite, one of the Earth's most abundant natural resources, accounting for 8% of the Earth's crust.

Aluminium can be reused for the same purpose over and over again. Unlike many other materials, aluminium does not lose its unique properties. 70% of products are made from recycled aluminium.

Recycling aluminium requires only 5% of the original energy input.

To take advantage of the recycling properties of aluminium, Hydro has remelting facilities across the world including the UK.

Hydro Aluminium UK Ltd



6 Extrusion presses across the UK



In-house recycling facilities



Low carbon & recycled content alloys



Extensive fabrication offerings



In-house anodising capabilities

Hydro Birtley
Durham Road
Chester-Le-Street
DE3 2AH, County Durham
United Kingdom
Tel: +44 (0) 191 301 1200

Hydro Tibshelf
Sawpit Lane
Alfreton, Tibshelf
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United Kingdom
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GL51 9DT, Gloucestershire
United Kingdom
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www.hydro.com/en-gb/

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Typical mechanical properties of Hydro's alloys

Alloy	Temper	0.2% Proof (MPa)	Tensile Strength (MPa)	Elongation (%)	Hardness Brinell
6005A	T4	70	160min	22	47
	T6	260	285min	8	92
6060	T4	60	120min	24	42
	T6	150	190min	10	56
6063	T4	65	120min	23	43
	T6	160	195min	10	67
6063A	T4	90	150min	24	47
	T6	190	230min	10	81
6082	T4	120	190min	20	65
	T6	255	295min	10	100
6101	T4	80	140min	16	45
	T6	160	215min	10	67

T4 = Solution heat treated (Quenched)

T6 = Solution heat treated (Quenched) and precipitation treated (Aged)

T5 - May also be available for some alloys. Please refer to sales

The technical information and instructions in this manual are of a general nature and subject to change. Hydro Aluminium UK Ltd does not imply or give guarantees or accept responsibility for the use of the information in any circumstance.

It is the responsibility of the reader to consult with Hydro and verify whether the information is correct and suitable for any application.

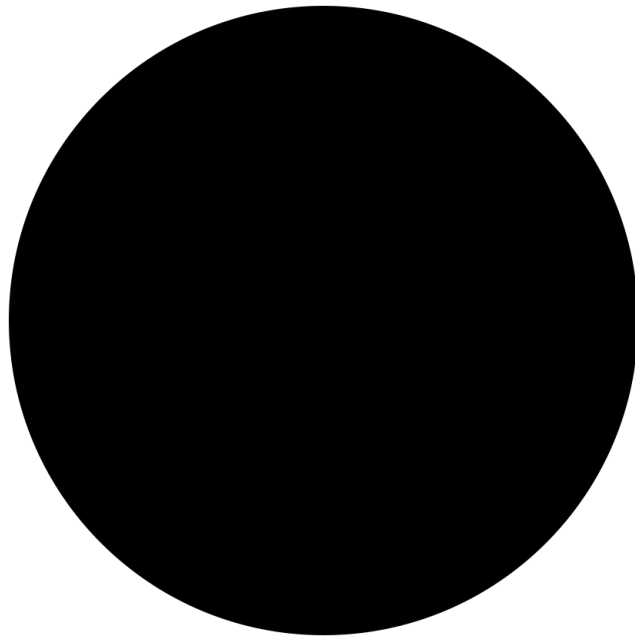
STANDARD WIRE GAUGE EQUIVALENTS

S.W.G.	Metric	Imperial
0	8.2290	.3240
1	7.6200	.3000
2	7.0100	.2760
3	6.4010	.2520
4	5.8930	.2320
5	5.3850	.2120
6	4.8760	.1920
7	4.4700	.1760
8	4.0640	.1600
9	3.6580	.1440
10	3.2510	.1280
11	2.9460	.1160
12	2.6410	.1040
13	2.3360	.0920
14	2.0302	.0800
15	1.8280	.0720
16	1.6250	.0640
17	1.4420	.0560
18	1.2190	.0480
19	1.0160	.0400
20	0.9140	.0360
21	0.8124	.0320
22	0.7109	.0280
23	0.6093	.0240
24	0.5585	.0220
25	0.5078	.0200
26	0.4570	.0180
27	0.4162	.0164
28	0.3755	.0148
29	0.3450	.0136
30	0.3146	.0124
31	0.2940	.0116
32	0.2743	.0108
33	0.2539	.0100
34	0.2330	.0092
35	0.2131	.0084
36	0.1937	.0076
37	0.1727	.0068
38	0.1524	.0060
39	0.1321	.0052
40	0.1219	.0048

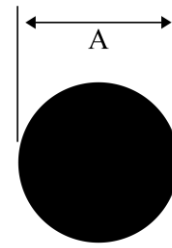
CONVERSION TABLE

Conversion factors - Imperial / metric	
To convert	Multiply by
Inches to millimetres	25.40
Feet to metres	0.3048
Yards to metres	0.914
Square inches to square centimetres	6.4516
Square feet to square metres	0.092903
Cubic inches to cubic centimetres	16.3871
Cubic feet to cubic metres	0.028317
Cubic yards to cubic metres	0.764555
Pounds to kilograms	0.453592
Tons to tonnes (1000kg)	1.01605
Lb/square inch to kg/square metre	703.070
Millimetres to inches	0.0393701
Metres to feet	3.28084
Metres to yards	1.09361
Square centimetres to square inches	0.1550
Square metres to square feet	10.7639
Square metres to square yards	1.19599
Cubic centimetres to cubic inches	0.061024
Cubic metres to cubic feet	35.3147
Cubic metres to cubic yards	1.30795
Kilograms to pounds	2.20462
Tonnes (1000kg) to tons	0.984207
Kg/square metre to lb/square inch	0.001422

ROUND BAR

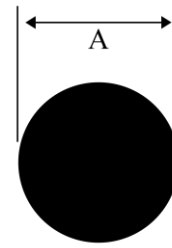


ROUND BAR



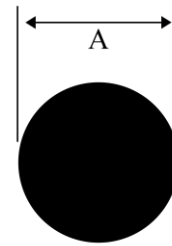
Metric dimensions	Imperial dimensions	kg/m	Die reference		
A	A				
7.14	9/32"	0.109			109916
7.80		0.129			069240
7.94	5/16"	0.134			001566
8.00		0.136			010087
8.73	11/32"	0.160			109954
9.53	3/8"	0.200		ROD 00901	001229
10.00		0.213			109145
11.10	7/16"	0.263	4-0088	ROD 01101	001537
12.00		0.306			208860
12.70	1/2"	0.343	4-0006	ROD 01201	001235
12.70	1/2"	0.343	4-0743		
14.29	9/16"	0.440	4-0202		001452
15.00		0.479	4-0770		010102
15.88	5/8"	0.540	4-0203		001234
16.00		0.545	4-0205		040005
17.00		0.615	4-0771		010059
17.46	11/16"	0.649	4-0084		
19.05	3/4"	0.780	4-0082		001509
19.13		0.770	4-1128		
20.00		0.851	4-0206		006979
20.63	13/16"	0.906	4-0207		
22.00		1.030	4-0725		
22.23	7/8"	1.052	4-0030	ROD 02201	001475
23.81	15/16"	1.210	4-0208		003672
25.00		1.330	4-0209	ROD 02502	212145
25.40	1"	1.373	4-0031		001231
26.00		1.439	4-1026		
26.99*	1 1/16"	1.560	1-2142		
27.00		1.550	4-1126		

ROUND BAR



Metric dimensions	Imperial dimensions	kg/m	Die reference		
A	A				
28.60	1 1/8"	1.750	4-0021		
28.60	1 1/8"	1.750			001232
30.00		1.920	4-0608		110490
30.16	1 3/16"	1.940	4-0457		
31.75	1 1/4"	2.150	4-0046	ROD 03101	001367
32.00		2.179	4-1186		
33.00		2.318	4-0732		
34.92	1 3/8"	2.600	4-0210		001934
35.00		2.607	4-0681		
36.00		2.758	4-0776		
38.00		3.073	4-0777		
38.10	1 1/2"	3.100	4-0066		002380
40.00		3.400	4-0005		040021
41.30	1 5/8"	3.636	4-0004		001230
42.00		3.770	4-0533		
44.45	1 3/4"	4.205	4-0211		001370
45.00		4.330	4-0707		
45.80		4.465			042448
47.62	1 7/8"	4.840	4-0212		001690
50.00		5.321	4-0311		
50.80	2"	5.470	4-0065		001233
53.98	2 1/8"	6.220	4-0408		040027
55.00		6.438	4-0778		
57.15	2 1/4"	6.952	4-0760		040029
60.00		7.662	4-1068		040030
60.33	2 3/8"	7.747	4-1084		040785
63.50	2 1/2"	8.582	4-0753		003597
65.00		8.993	4-1143		
66.67	2 5/8"	9.460	4-1172		208003

ROUND BAR



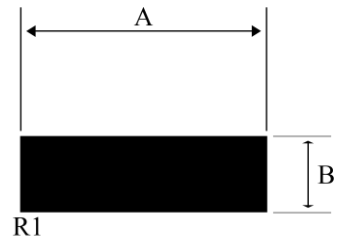
Metric dimensions	Imperial dimensions	kg/m	Die reference		
A	A				
69.85	2 3/4"	10.385	4-1139		040794
70.00		10.429	4-1067		
76.20	3"	12.360	4-1094		

*Tolerances to suit automatic lathes available at extra cost

FLAT BAR

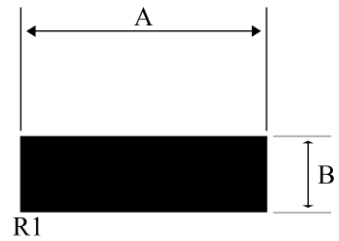


FLAT BAR



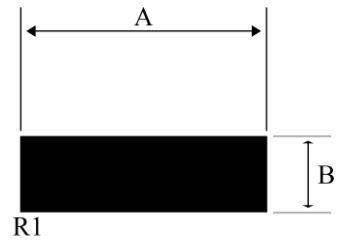
Metric dimensions			Imperial dimensions			kg/m	Die reference		
A	B	R1	A	B	R1				
9.53	4.76		3/8"	3/16"		0.123	4-0852		
9.53	6.35		3/8"	1/4"		0.164			040055
12.00	3.00					0.100	4-0593		008423
12.00	6.00					0.200	4-0193		
12.70	3.15		1/2"	1/8"		0.110	4-0016		001472
12.70	3.18	full	1/2"	1/8"	full	0.104	4-0749		007837
12.70	4.76			3/16"		0.164	4-0101		001322
12.70	4.76	0.50				0.164	4-0620		
12.70	6.35		1/2"	1/4"		0.219	4-0222	BAR 01203	001747
12.70	6.35		1/2"	1/4"		0.219			111773
12.70	7.94		1/2"	5/16"		0.273	4-0904		
12.70	9.53		1/2"	3/8"		0.330	4-0199	BAR 01204	001078
15.00	3.00					0.122	4-0296		
15.00	5.00					0.200	4-0710		
15.20	4.75					0.196	4-1118		
15.80	2.90					0.124		BAR 01511	
15.85	4.75					0.200	4-0102		
15.88	3.05	full			full	0.130	4-0632		
15.88	3.18		5/8"	1/8"		0.137	4-0263	BAR 01501	001473
15.88	4.76		5/8"	3/16"		0.205	4-0102		002614

FLAT BAR



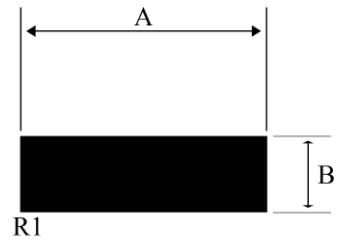
Metric dimensions			Imperial dimensions			kg/m	Die reference		
A	B	R1	A	B	R1				
15.88	4.76		5/8"	3/16"		0.205			110735
15.88	6.35		5/8"	1/4"		0.273	4-0358	BAR 01504	004969
15.88	7.94		5/8"	5/16"		0.342	4-1223		
15.88	9.53		5/8"	3/8"		0.410	4-0317		001105
15.88	12.70		5/8"	1/2"		0.550	4-0430		001102
18.00	5.00	full				0.229		FMR 01801	
18.22	4.22					0.208			020100
19.00	3.00					0.160	4-0594	BAR 01908	008422
19.05	2.36		3/4"	3/32"		0.120	4-0198		
19.05	3.18		3/4"	1/8"		0.164	4-0036	BAR 01901	110488
19.05	3.97		3/4"	5/32"		0.204			012913
19.05	4.76		3/4"	3/16"		0.245	4-0072		001081
19.05	4.76	0.40	3/4"	3/16"		0.240	4-0405		
19.05	6.35		3/4"	1/4"		0.328	4-0223		001094
19.05	7.94		3/4"	5/16"		0.410	4-0571		
19.05	9.53		3/4"	3/8"		0.492	4-0378		001100
19.05	12.70		3/4"	1/2"		0.660	4-0224		003754
19.05	15.88		3/4"	5/8"		0.820	4-0490		040068
20.00	2.00					0.108		BAR 02001	
20.00	3.00					0.163	4-0269	BAR 02006	

FLAT BAR



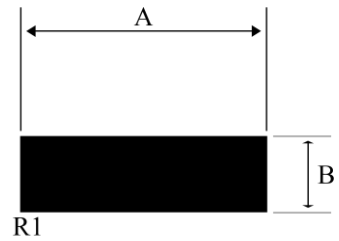
Metric dimensions			Imperial dimensions			kg/m	Die reference		
A	B	R1	A	B	R1				
20.00	4.00					0.217		BAR 02002	006658
20.00	5.00					0.271	4-0655		
20.00	6.00					0.325	4-1254	BAR 02004	
20.00	8.00					0.434	4-1164		
20.00	10.00					0.542	4-0711		011071
20.00	15.00					0.813	4-0874		
22.22	12.70		7/8"	1/2"		0.765	4-0450		
22.23	3.18		7/8"	1/8"		0.192	4-0359		004882
22.23	4.76		7/8"	3/16"		0.290	4-0360		040072
22.23	6.35		7/8"	1/4"		0.383	4-1099		004434
22.23	9.53		7/8"	3/8"		0.580	4-0595		
22.23	12.70		7/8"	1/2"		0.765	4-0450		040070
22.23	15.88		7/8"	5/8"		0.960	4-0612		
22.23	19.05		7/8"	3/4"		1.150	4-0603		
25.00	2.00					0.136	4-0945		
25.00	3.00					0.203	4-0463	BAR 02516	006651
25.00	4.00					0.271	4-0854		
25.00	5.00	full				0.320			040865
25.00	5.00	0.60				0.340	4-0169		212126
25.00	6.00					0.410	4-0649	BAR 02524	040080

FLAT BAR



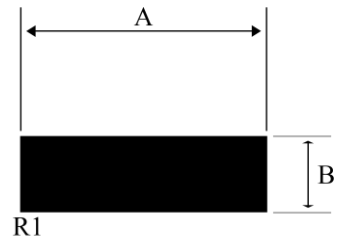
Metric dimensions			Imperial dimensions			kg/m	Die reference		
A	B	R1	A	B	R1				
25.00	8.00					0.542	4-0861		
25.00	10.00					0.680	4-0660		006659
25.00	12.00					0.820	4-0584		
25.00	15.00					1.020	4-0183		
25.00	20.00					1.360	083030		
25.40	1.60		1"	1/16"		0.110			110691
25.40	2.38	2.38	1"			0.160	4-0318		
25.40	3.15	0.35	1"			0.220	4-0007		
25.40	3.17		1"			0.218		BAR 02503	001082
25.40	3.18	0.50	1"			0.220	1-1475		
25.40	3.18	3.18	1"	1/8"	1/8"	0.207	4-0141		
25.40	4.78		1"	3/16"		0.329	4-0048	BAR 02502	001091
25.40	6.35		1"	1/4"		0.440	4-0019	BAR 02504	001090
25.40	7.94		1"	5/16"		0.547	4-0453		001103
25.40	9.53		1"	3/8"		0.656	4-0089		003165
25.40	12.70		1"	1/2"		0.880	4-0009		001080
25.40	12.70		1"	1/2"		0.880			003040
25.40	15.88		1"	5/8"		1.093	4-0103		003041
25.40	19.05		1"	3/4"		1.311	4-0400		

FLAT BAR



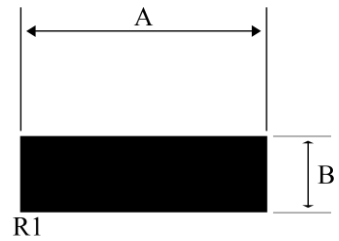
Metric dimensions			Imperial dimensions			kg/m	Die reference		
A	B	R1	A	B	R1				
25.40	19.05		1"	3/4"		1.311			003473
28.58	3.18		1 1/8"	1/8"		0.246			003957
30.00	2.00					0.163	4-0509		
30.00	3.00					0.244	4-0464		006655
30.00	3.00	0.60				0.240	4-0001		
30.00	4.00	0.60				0.330	4-0512		
30.00	5.00					0.410	4-0175		008387
30.00	6.00					0.490	4-0656		006918
30.00	8.00					0.650	4-0502		040089
30.00	10.00					0.813	4-0264	BAR 03004	
30.00	12.00					0.980	4-0162		
30.00	15.00					1.220	4-0661		
30.00	20.00					1.626	4-1136		06752
30.00	25.00					2.040	002861		
31.75	3.15					0.270	4-0058		
31.75	3.18		1 1/4"	1/8"		0.274		BAR 03104	001099
31.75	4.76		1 1/4"	3/16"		0.410	4-0061	BAR 03101	001092
31.75	6.35		1 1/4"	1/4"		0.550	4-0099	BAR 03102	001104
31.75	7.94		1 1/4"	5/16"		0.683	4-0592		040090
31.75	9.53		1 1/4"	3/8"		0.820	4-0306	BAR 03103	007341

FLAT BAR



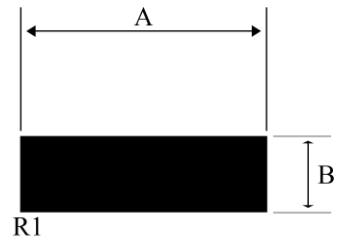
Metric dimensions			Imperial dimensions			kg/m	Die reference		
A	B	R1	A	B	R1				
31.75	12.70		1 1/4"	1/2"		1.100	4-0225		040838
31.75	15.88		1 1/4"	5/8"		1.366	4-0438		020276
31.75	19.05		1 1/4"	3/4"		1.639	4-0439		034510
31.75	22.23		1 1/4"	7/8"		1.914	4-1245		
31.75	25.40		1 1/4"	1"		2.185	4-0447		003770
34.92	3.18		1 1/4"	1/8"		0.300		BAR 03402	
35.00	2.00					0.190	4-0862		
35.00	4.00					0.379	4-0863		
35.00	5.00					0.480	4-0468		
35.00	10.00					0.949	4-0977		
35.00	15.00					1.420	4-0551		
35.00	20.00					1.900	4-0393		
38.10	1.58		1 1/2"	1/16"		0.163		BAR 03807	
38.10	3.15					0.330	4-0064		
38.10	3.18		1 1/2"	1/8"		0.328	4-0064	BAR 03802	001356
38.10	4.76		1 1/2"	3/16"		0.491	4-0057	BAR 03803	001083
38.10	6.35		1 1/2"	1/4"		0.656	4-0028	BAR 03804	001088
38.10	6.35	3.17				0.644			042446
38.10	7.95		1 1/2"	5/16"		0.820	4-0104		001101

FLAT BAR



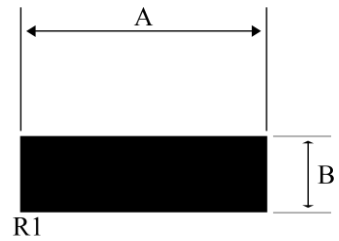
Metric dimensions			Imperial dimensions			kg/m	Die reference		
A	B	R1	A	B	R1				
38.10	9.53		1 1/2"	3/8"		0.984	4-0136	BAR 03805	001580
38.10	12.70		1 1/2"	1/2"		1.311	4-0008		001927
38.10	15.88		1 1/2"	5/8"		1.640	4-0091		005173
38.10	19.05		1 1/2"	3/4"		1.967	4-0226		003673
38.10	25.40		1 1/2"	1"		2.630	4-0431		003713
38.10	31.75		1 1/2"	1 1/4"		3.292	4-0598		040097
40.00	2.00					0.220	4-0094		
40.00	3.00					0.325	4-0086		
40.00	4.00					0.440	4-0513	BAR 04010	
40.00	5.00					0.542	4-0671		006993
40.00	6.00					0.650	4-0383		006656
40.00	8.00					0.870	4-0650		
40.00	10.00					1.084	4-0277		14013
40.00	12.00					1.302	036993		
40.00	15.00					1.626	4-0855		040098
40.00	20.00					2.180	4-0670		
40.00	25.00					2.712	004305		
40.00	30.00	0.50				3.251	208045		
40.00	35.00					3.794	4-1260		
41.28	31.75		1 5/8"	1 1/4"		3.551		BAR 04107	

FLAT BAR



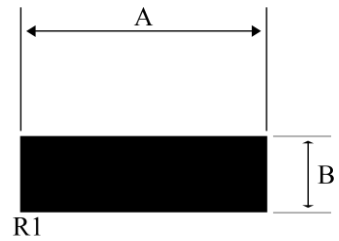
Metric dimensions			Imperial dimensions			kg/m	Die reference		
A	B	R1	A	B	R1				
44.45	3.18		1 3/4"	1/8"		0.382	4-0379		
44.45	4.76		1 3/4"	3/16"		0.573	4-0069		
44.45	6.35		1 3/4"	1/4"		0.765	4-0227	BAR 04403	001532
44.45	9.53		1 3/4"	3/8"		1.148	4-0482		040101
44.45	12.70		1 3/4"	1/2"		1.530	4-0228		040102
44.45	15.88		1 3/4"	5/8"		1.913	4-0615		040103
44.45	19.05		1 3/4"	3/4"		2.300	4-0090		040104
44.45	25.40		1 3/4"	1"		3.070	4-0251		015813
44.45	31.75		1 3/4"	1 1/4"		3.825	4-1037		040834
44.45	38.10		1 3/4"	1 1/2"		4.589	4-1246		
45.00	3.00					0.366	4-0602		
45.00	5.00					0.610	4-0467		
50.00	2.00					0.270	4-0510		
50.00	3.00					0.407	4-0384		040110
50.00	4.00					0.542	4-0856		
50.00	5.00					0.680	4-0174		008391
50.00	6.00					0.820	4-0657		
50.00	6.00					0.820			006917
50.00	8.00					1.084	4-0651	BAR 05016	040111
50.00	10.00					1.355	4-0652		006653

FLAT BAR



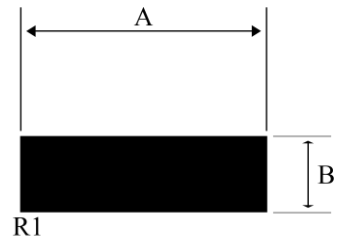
Metric dimensions			Imperial dimensions			kg/m	Die reference		
A	B	R1	A	B	R1				
50.00	12.00					1.626	4-0981		
50.00	15.00					2.040	1-1262		
50.00	20.00					2.710	4-0968		
50.00	25.00					3.388	004308		
50.00	30.00					4.050	4-1196		
50.00	40.00					5.419	208154		
50.80	3.18		2"	1/8"		0.438	4-0135	BAR 05002	001096
50.80	3.18	3.18	2"	1/8"	1/8"	0.426	4-0044		
50.80	4.78		2"	3/16"		0.658	4-0068	BAR 05001	001087
50.80	6.35		2"	1/4"		0.874	4-0035	BAR 05003	001089
50.80	7.94		2"	5/16"		1.093	4-0330	BAR 05004	036493
50.80	7.94		2"	5/16"		1.093			040825
50.80	9.53		2"	3/8"		1.312	4-0105	BAR 05005	001985
50.80	12.70		2"	1/2"		1.750	4-0156		002212
50.80	15.88		2"	5/8"		2.190	4-0299	BAR 05007	001098
50.80	19.05		2"	3/4"		2.640	4-0154		003538
50.80	22.23		2"	7/8"		3.070	4-0588		
50.80	25.40		2"	1"		3.500	4-0047		002257
50.80	31.75		2"	1 1/4"		4.390	4-0478		003780
50.80	38.10		2"	1 1/2"		5.260	4-0432		035207

FLAT BAR



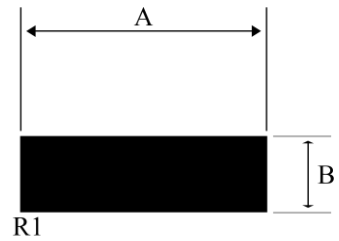
Metric dimensions			Imperial dimensions			kg/m	Die reference		
A	B	R1	A	B	R1				
50.80	44.45		2"	1 3/4"		6.120	4-0081		040117
57.15	3.18		2 1/4"	1/8"		0.493		BAR 05701	001498
57.15	4.76		2 1/4"	3/16"		0.737	4-0070	BAR 05703	040118
57.15	6.35		2 1/4"	1/4"		0.990			003379
57.15	12.70		2 1/4"	1/2"		1.967	4-0887		
57.15	19.05		2 1/4"	3/4"		2.950	4-1189		040795
57.15	25.40		2 1/4"	1"		3.950	4-0563		040119
57.15	31.75		2 1/4"	1 1/4"		4.920	4-1095		
57.15	38.10		2 1/4"	1 1/2"		5.901	4-0858		
57.20	6.35		2 1/4"	1/4"		0.990	4-0380		
60.00	2.00					0.330	4-0511		
60.00	3.00					0.488	4-0864		010321
60.00	4.00					0.650	4-0989		
60.00	5.00					0.813	4-0535		006919
60.00	6.00					0.980	4-0658		040123
60.00	8.00		2 3/8"	5/16"		1.301	4-0653		
60.00	10.00		2 3/8"	3/8"		1.626	4-0673		040912
60.00	10.00	1.00				1.626		BAR 06001	
60.00	12.00					1.953	004420		
60.00	15.00		2 3/8"	5/8"		2.439	4-0276		

FLAT BAR



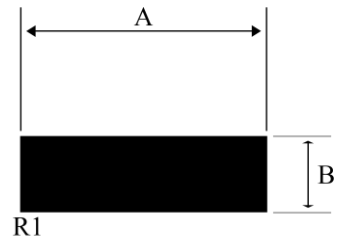
Metric dimensions			Imperial dimensions			kg/m	Die reference		
A	B	R1	A	B	R1				
60.00	20.00					3.252		BAR 06003	
60.00	30.00					4.818	4-1241		
60.00	40.00					6.530	4-0345		
63.50	3.18	0.5	2 1/2"	1/8"		0.550		4-1054	
63.50	3.18		2 1/2"	1/8"		0.550	4-0315		001095
63.50	4.76		2 1/2"	3/16"		0.820	4-0071	BAR 06301	040855
63.50	4.76		2 1/2"	3/16"		0.820			005993
63.50	6.35		2 1/2"	1/4"		1.093	4-0161		001791
63.50	7.92		2 1/2"	5/16"		1.366	4-1119		
63.50	9.53		2 1/2"	3/8"		1.650	4-0442		002511
63.50	12.70		2 1/2"	1/2"		2.185	4-0232		002159
63.50	15.88		2 1/2"	5/8"		2.740	4-0407		003703
63.50	19.05		2 1/2"	3/4"		3.290	4-0437		002946
63.50	25.40		2 1/2"	1"		4.390	4-0485		003671
63.50	31.75		2 1/2"	1 1/4"		5.480	4-0692		040129
63.50	38.10		2 1/2"	1 1/2"		6.580	4-0471		040130
63.50	44.45		2 1/2"	1 3/4"		7.649	4-1086		
63.50	50.80		2 1/2"	2"		8.742	4-1040		040131
69.85	6.33		2 3/4"	1/4"		1.199	039847		

FLAT BAR



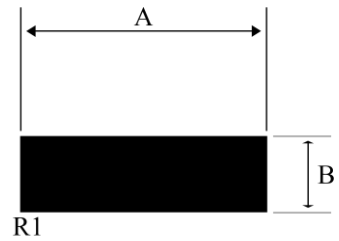
Metric dimensions			Imperial dimensions			kg/m	Die reference		
A	B	R1	A	B	R1				
69.85	19.05		2 3/4"	3/4"		3.609	001018		
70.00	5.00					0.949	4-0859		
70.00	6.00					1.138	4-1226		
70.00	8.00					1.520	4-0549		
70.00	10					1.897	4-1240		
70.00	15.00					2.846	4-0897		
70.00	20.00					3.794	4-0969		040135
70.00	25.00					4.742	4-0909		
75.00	8.00		3"	5/16"		1.630	4-0682		
75.00	12.00					2.439	4-1116		
76.20	3.18		3"	1/8"		0.660	4-0329		001507
76.20	4.76		3"	3/16"		0.983	4-0375		021368
76.20	6.35		3"	1/4"		1.311	4-0018	BAR 07602	002362
76.20	7.94		3"	5/16"		1.640	4-0833		040138
76.20	9.52		3"	3/8"		1.966	4-0100		001626
76.20	12.70		3"	1/2"		2.623	4-0049		002429
76.20	15.88		3"	5/8"		3.290	4-0491		035208
76.20	19.05		3"	3/4"		3.950	4-0397		020577
76.20	25.40		3"	1"		5.260	4-0370		006646
76.20	31.75		3"	1 1/4"		6.580	4-0614		040139
76.20	38.10		3"	1 1/2"		7.900	4-0579		040140
76.20	44.45		3"	1 3/4"		9.178	4-1270		40777

FLAT BAR



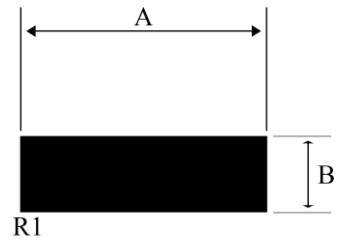
Metric dimensions			Imperial dimensions			kg/m	Die reference		
A	B	R1	A	B	R1				
69.85	19.05		2 3/4"	3/4"		3.609	001018		
70.00	5.00					0.949	4-0859		
70.00	8.00					1.520	4-0549		
70.00	15.00					2.846	4-0897		
70.00	20.00					3.794	4-0969		040135
70.00	25.00					4.742	4-0909		
75.00	8.00		3"	5/16"		1.630	4-0682		
75.00	12.00					2.439	4-1116		
76.20	3.18		3"	1/8"		0.660	4-0329		001507
76.20	4.76		3"	3/16"		0.983	4-0375		021368
76.20	6.35		3"	1/4"		1.311	4-0018	BAR 07602	002362
76.20	7.94		3"	5/16"		1.640	4-0833		040138
76.20	9.52		3"	3/8"		1.966	4-0100		001626
76.20	12.70		3"	1/2"		2.623	4-0049		002429
76.20	15.88		3"	5/8"		3.290	4-0491		035208
76.20	19.05		3"	3/4"		3.950	4-0397		020577
76.20	25.40		3"	1"		5.260	4-0370		006646
76.20	31.75		3"	1 1/4"		6.580	4-0614		040139
76.20	38.10		3"	1 1/2"		7.900	4-0579		040140
76.20	44.45		3"	1 3/4"		9.178	4-1270		40777

FLAT BAR



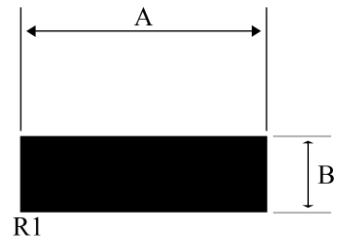
Metric dimensions			Imperial dimensions			kg/m	Die reference		
A	B	R1	A	B	R1				
76.20	50.80		3"	2"		10.490	4-1083		207998
76.20	63.00		3"	2 1/2"		13.010	027526		
80.00	3.00					0.650	4-0883		
80.00	4.00					0.870		BAR 08004	
80.00	5.00					1.084	4-0000		
80.00	6.00					1.301	4-0991		040142
80.00	8.00					1.740	4-0666		040143
80.00	10.00					2.180	4-0693		040144
80.00	12.00					2.602	4-0970		040145
80.00	15.00					3.260	4-0690		
80.00	20.00					4.336	4-0882		040147
80.00	25.00					5.440	4-0971		040148
80.00	30.00					6.500	4-0552		
80.00	40.00					8.671	208046		
85.00	10.00					2.295		2-7246	
88.90	3.18		3 1/2"	1/8"		0.770	4-0622		
88.90	4.80		3 1/2"			1.160	4-0182		
88.90	6.35		3 1/2"	1/4"		1.530	4-0888		040153
88.90	9.53		3 1/2"	3/8"		2.297	002739		
88.90	12.70		3 1/2"	1/2"		3.070	4-0449		040847

FLAT BAR



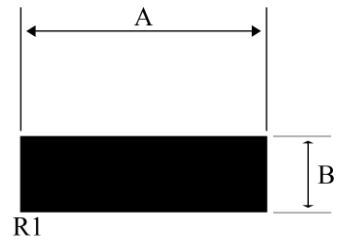
Metric dimensions			Imperial dimensions			kg/m	Die reference		
A	B	R1	A	B	R1				
88.90	15.88		3 1/2"	5/8"		3.826	4-0857		
88.90	19.05		3 1/2"	3/4"		4.609	4-0931		040156
88.90	25.40	0.35	3 1/2"	1"		6.120	4-1048		040157
88.90	31.75	1	3 1/2"	1 1/4"		7.621	4-1228		210216
88.90	38.10		3 1/2"	1 1/2"		9.180	4-1101		040796
88.90	44.45		3 1/2"	1 3/4"		10.709	4-1244		
90.00	8.00					1.951	4-0816		
90.00	10.00					2.439	4-0884		
95.25	6.35		3 3/4"	1/4"		1.640	4-0508		
100.00	2.00					0.542	4-1036		
100.00	3.00					0.814	078135		040739
100.00	4.00	0.60				1.083	4-0756		
100.00	5.00					1.360	4-0705		
100.00	6.00					1.625	4-1280		004614
100.00	8.00					2.168	4-0885		040161
100.00	10.00					2.720	4-0654		014137
100.00	12.00					3.251	4-1064		040162
100.00	15.00					4.065	4-0903		040163
100.00	20.00					5.440	4-0713		
100.00	25.00					6.775		BAR 10006	

FLAT BAR



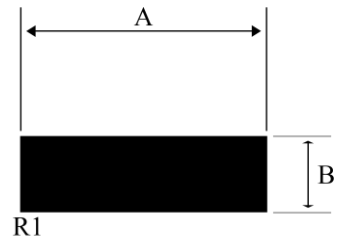
Metric dimensions			Imperial dimensions			kg/m	Die reference		
A	B	R1	A	B	R1				
100.00	30.00					8.130		BAR 10003	
100.00	35.00					9.485	4-0700		
101.60	3.18		4"	1/8"		0.880	4-0342	BAR 10105	004104*
101.60	4.76		4"	3/16"		1.320	4-0486		040166
101.60	6.35		4"	1/4"		1.748	4-0013	BAR 10104	001596
101.60	7.94		4"	5/16"		2.186	4-0014		
101.60	9.53		4"	3/8"		2.634	4-0332	BAR 10103	002863
101.60	12.70		4"	1/2"		3.497	4-0233	BAR 10102	020578
101.60	15.88		4"	5/8"		4.390	4-0609		010556
101.60	19.05		4"	3/4"		5.260	4-0398		040168
101.60	19.05		4"	3/4"		5.260			040845
101.60	25.40		4"	1"		7.020	4-0433		040169
101.60	31.75		4"	1 1/4"		8.742	4-1038		040170
101.60	38.10		4"	1 1/2"		10.490	4-1092		040804
101.60	50.80		4"	2"		13.982	203900		
107.95	38.10		4 1/4"	1 1/2"		11.150	L37337		
110.00	5.00					1.491	4-0792		
110.00	10.00					2.981	4-0791		
110.00	15.00					4.472	4-0793		

FLAT BAR



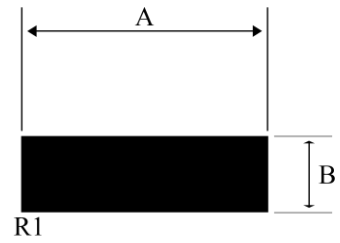
Metric dimensions			Imperial dimensions			kg/m	Die reference		
A	B	R1	A	B	R1				
120.00	5.00					1.626	4-0794		
120.00	8.00					2.601	203188		
120.00	12.00					3.902	4-0285		
120.00	15.00					4.878	4-1033		
120.00	20.00					6.504	4-1028		
120.00	25.00					8.130	4-0644		040179
122.25	7.95					2.634	4-0012		
125.00	3.00					1.016	4-0759		
125.00	8.00					2.710	4-0823		
125.00	10.00					3.400	4-0550		
127.00	6.35		5"	1/4"		2.190	4-0560		040185
127.00	9.53		5"	3/8"		3.279	4-0745		040186
127.00	9.53		5"	3/8"		3.292	000944		
127.00	12.70		5"	1/2"		4.371	4-0434		040187
127.00	15.88		5"	5/8"		5.490	4-0493		040188
127.00	19.05		5"	3/4"		6.584	4-0409		040189
127.00	25.40		5"	1"		8.740	4-1087		040797
127.00	31.75		5"	1 1/4"		10.930	4-1093		208001
140.00	6.00					2.270			040863
142.80	19.05					7.376	L22865		

FLAT BAR



Metric dimensions			Imperial dimensions			kg/m	Die reference		
A	B	R1	A	B	R1				
150.00	2.50					1.020	4-1121		
150.00	5.00					2.033	4-0773		
150.00	6.00					2.450	4-0543		040193
150.00	8.00					3.252	4-0944		
150.00	10.00					4.065	4-0145		040195
150.00	12.00	1.00				4.876	204006		
150.00	12.70					4.1207	4-1207		
150.00	15.00					6.098	4-0827		040196
150.00	20.00					8.130	4-0643		
152.40	3.18		6"	1/8"		1.320	4-0343		040198
152.40	6.35		6"	1/4"		2.623	4-0160		040199
152.40	9.53		6"	3/8"		3.936	4-0331		040200
152.40	9.53		6"	3/8"		3.936			040839
152.40	12.70		6"	1/2"		5.245	4-0435		040201
152.40	15.88		6"	5/8"		6.557	038684		
152.40	19.05		6"	3/4"		7.868	4-1041		040202
152.40	25.40		6"	1"		10.490	4-1081		040802
160.00	6.00					2.602	4-0996		
160.00	8.00					3.469	4-0995		
160.00	10.00					4.320		BAR 16001	
160.00	12.00					5.202	4-1286		

FLAT BAR



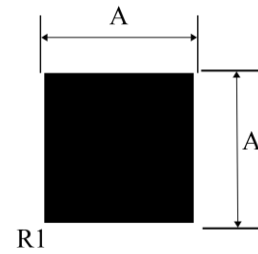
Metric dimensions			Imperial dimensions			kg/m	Die reference		
A	B	R1	A	B	R1				
180.00	20.00					9.763	102581		
200.00	6.00					3.240			040799
200.00	10.00					5.420	4-0672		040205
200.00	15.00					8.130	4-0972		040206
200.00	20.00					10.838	2-9651		
203.20	6.35		8"	1/4"		3.540	L37182		
203.20	12.70		8"	1/2"		6.994	L11302		040789

* Die can't be ran in 6082 alloy at Birtley. Max length is 4000mm

SQUARE BAR

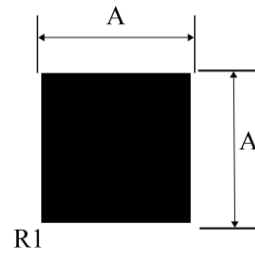


SQUARE BAR



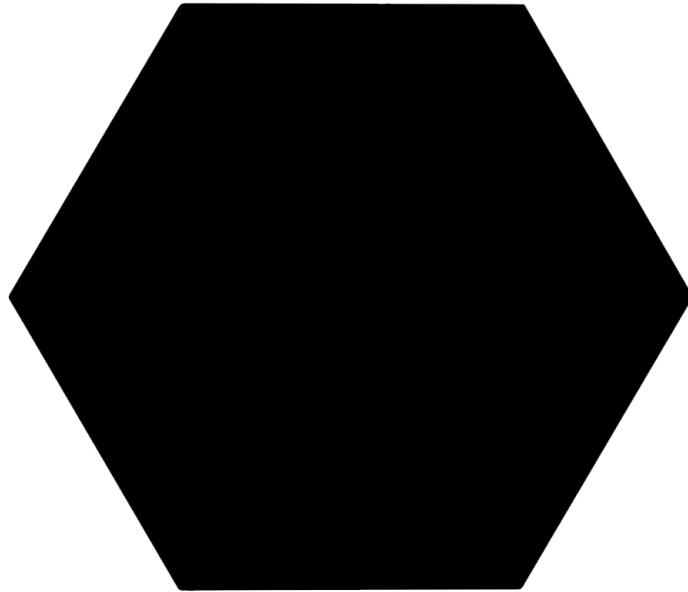
Metric dimensions		Imperial dimensions		kg/m	Die reference		
A	R1	A	R1				
6.35		1/4"		0.110			208824
7.90		5/16"		0.170			004844
9.53		3/8"		0.250	4-0213		001247
10.00				0.270			208931
12.00				0.390			208932
12.70		1/2"		0.438	4-0215		001246
15.00				0.610	4-0216		209986
15.88		5/8"		0.683	4-0217		001245
19.05		3/4"		0.990	4-0075	SQB 01901	001249
20.00				1.090	4-0218		
22.00				1.300			040910
22.23		7/8"		1.336	4-0219		001323
25.00				1.694	4-0220	SQB02502	212128
25.40		1"		1.750	4-0140		002661
28.57				2.220	4-0451		
30.00				2.450	4-0709		
31.75		1 1/4"		2.732	4-0221		003366
34.93				3.306	4-1212		002032
38.10		1 1/2"		3.934	4-0252		002591
40.00	0.50			4.335	4-0919		212129

SQUARE BAR

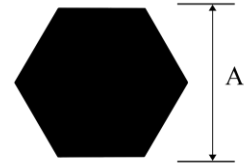


Metric dimensions		Imperial dimensions		kg/m	Die reference		
A	R1	A	R1				
44.45		1 3/4"		5.370	4-0155		004213
45.00				5.488	4-0876		
50.00				6.800	4-0691		
50.80		2"		6.994	4-0422		002327
50.80	5.00	2"		6.935			042447
57.15		2 1/4"		8.851	4-1085		042458
60.00				9.755	208047		
63.50		2 1/2"		10.927	4-1166		208002
70.00		2 3/4"		13.279	4-1088		

HEXAGONAL BAR

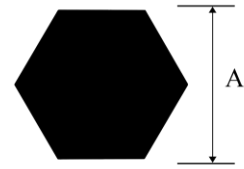


HEXAGONAL BAR



Metric dimensions	Imperial dimensions	kg/m	Die reference		
A	A				
9.48		0.211	4-1250		
12.70	1/2"	0.380	4-0394		
14.00		0.462	4-0783		
15.88	5/8"	0.590	4-0610		
17.00		1.290	4-1078		
18.03		0.770	4-0352		
19.05	3/4"	0.852	4-0723		040048
20.76		1.011	4-1215		
20.83		1.018			001474
22.00	7/8"	1.140	4-0686		
23.31		1.275	4-1261		
23.80		1.330	094251		
25.40	1"	1.514	4-1256		
25.59		1.537	4-1097		
27.95		1.760	4-0127		
28.55		1.913	4-0063		
30.00		2.112		HEX 03001	
31.69		2.357	4-1214		
32.96		2.550	4-1218		
34.93	1 3/8"	2.853	4-1251		

HEXAGONAL BAR

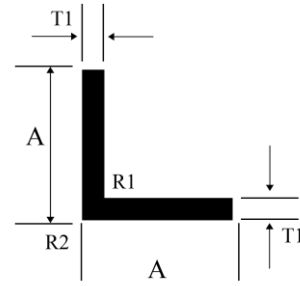


Metric dimensions	Imperial dimensions	kg/m	Die reference		
A	A				
37.59		3.316	4-1213		
46.00		4.966	4-0073		
50.00		5.867	L23094		
52.07		6.838	B94752		
65.00		9.915	202139		

EQUAL ANGLE

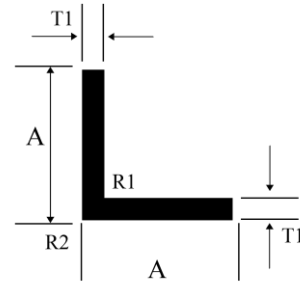


EQUAL ANGLE



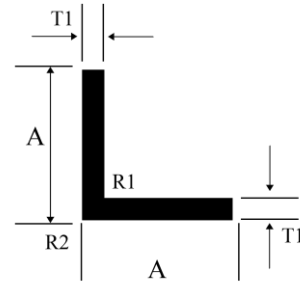
Metric dimensions				Imperial dimensions				kg/m	Die reference		
A	T1	R1	R2	A	T1	R1	R2				
12.70	1.59			1/2"	1/16"			0.103	4-0597		001045
12.70	1.59			1/2"	1/16"			0.103			110510
12.70	3.15							0.190	4-0150		
12.70	3.18			1/2"	1/8"			0.192		EA 01201	001054
15.00	2.00							0.152	4-0531		
15.00	3.00							0.220	4-0250		
15.88	1.59			5/8"	1/16"			0.130	4-0388		002496
15.88	1.59			5/8"	1/16"			0.130			110484
15.88	3.18			5/8"	1/8"			0.247		EA 01502	001506
19.00	3.00							0.280			109838
19.05	1.59			3/4"	1/16"			0.158	4-0738		001046
19.05	1.60			3/4"	1/16"			0.160	4-0041		001046
19.05	3.15							0.300	4-0017		
19.05	3.18			3/4"	1/8"			0.302		EA 01901	001028
19.05	4.76			3/4"	3/16"			0.430	4-1242		
20.00	1.50							0.157	4-0204		
20.00	2.00							0.206		EA02004	
20.00	3.00			3/4"				0.302	4-0849		006999
22.23	1.58			7/8"	16 SWG			0.184	4-0305		40209
22.25	3.18			7/8"	1/8"			0.360	4-0254		002622

EQUAL ANGLE



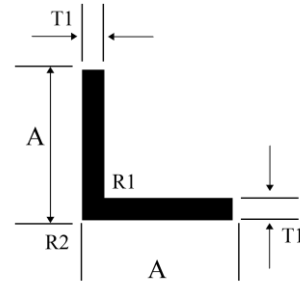
Metric dimensions				Imperial dimensions				kg/m	Die reference		
A	T1	R1	R2	A	T1	R1	R2				
23.81	2.38			15/16"	3/32"			0.292		EA 02301	
25.00	1.50							0.197	4-0932		010264
25.00	2.00							0.260	4-0286		006668
25.00	2.50							0.322	4-0889		
25.00	3.00							0.387	4-0687	EA 02509	006686
25.00	4.00							0.500	4-0694		
25.40	1.22				18 SWG			0.164	4-0325		
25.40	1.59			1"	1/16"			0.212	4-0037	EA 02502	001044
25.40	2.38			1"	3/32"			0.312			002592
25.40	2.36			1"	3/32"		3/32"	0.310			040904
25.40	3.18			1"	1/8"			0.410	4-0029	EA 02501	001025
25.40	3.20			1"	1/8"			0.413	4-0029		
25.40	4.76			1"	3/16"			0.594	4-0050		001499
25.40	6.35			1"	1/4"			0.770	4-0181		002662
28.58	3.18							0.470			007825
28.60	3.15			1 1/8"	1/8"			0.460	4-0112		
30.00	1.50							0.238	044259		
30.00	1.60							0.253	4-0570		
30.00	2.00							0.320		EA 03003	
30.00	3.00							0.470	4-0515		006677

EQUAL ANGLE



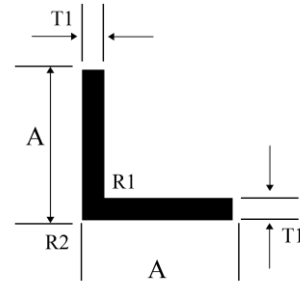
Metric dimensions				Imperial dimensions				kg/m	Die reference		
A	T1	R1	R2	A	T1	R1	R2				
30.00	4.00							0.607	4-0860		
30.00	5.00							0.750	4-0695		
31.75	1.59	1.59		1 1/4"	1/16"	1/16"		0.268	075195		
31.75	1.60			1 1/4"	1/16"			0.270	4-0092	EA03104	002593
31.75	3.15			1 1/4"	1/8"			0.515	4-0015		
31.75	3.18			1 1/4"	1/8"			0.520		EA 03101	001030
31.75	4.76			1 1/4"	3/16"			0.758	4-0051		001035
31.75	6.35			1 1/4"	1/4"			0.983	4-0184		003434
34.93	3.18			1 3/8"	1/8"			0.574		EA 03401	
35.00	3.00							0.545	4-0865		
38.00	3.00							0.593	4-0999		40220
38.00	5.00							0.970	4-0689		
38.10	1.59			1 1/2"	1/16"			0.321	4-0187	EA 03804	001938
38.10	3.18			1 1/2"	1/8"			0.627	000021		001029
38.10	3.20			1 1/2"	1/8"			0.633	4-0034		
38.10	4.76			1 1/2"	3/16"			0.922	4-0053		001397
38.10	6.35			1 1/2"	1/4"			1.202	4-0180		001336
40.00	2.00							0.423	4-0826	EA 04003	
40.00	2.50							0.525			106057
40.00	3.00							0.630	4-0662		006671

EQUAL ANGLE



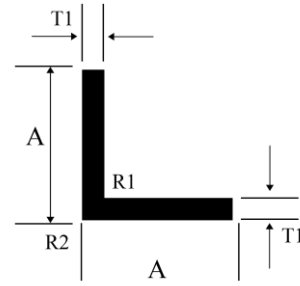
Metric dimensions				Imperial dimensions				kg/m	Die reference		
A	T1	R1	R2	A	T1	R1	R2				
40.00	4.00							0.823	4-0516		006996
40.00	5.00							1.020	4-0680		006777
40.00	6.00							1.203	4-1100		
44.45	3.18			1 3/4"	1/8"			0.740	4-0235		
44.45	4.76			1 3/4"	3/16"			1.085	4-0851		040223
44.45	6.35			1 3/4"	1/4"			1.421	4-0152		001599
44.45	3.18							0.740	4-0235	EA 04402	001036
45.00	3.00							0.710	4-0519		
50.00	2.00							0.531	4-0845		010050
50.00	3.00							0.790	4-0270	EA05007	006676
50.00	4.00							1.041	4-0293		
50.00	4.50							1.165	4-1061		
50.00	5.00							1.290	4-0530		006778
50.00	5.00	5.00						1.300	4-0177		
50.00	6.00							1.530	4-0645		021102
50.00	8.00							2.000	4-0646		
50.80	1.59			2"	1/16"			0.430	4-0445		007598
50.80	1.59			2"	1/16"			0.430			110605
50.80	3.20			2"	1/8"			0.853	4-0025	EA 05004	001041
50.80	4.76			2"	3/16"			1.252	4-0038	EA 05003	001425

EQUAL ANGLE



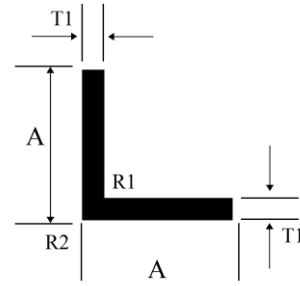
Metric dimensions				Imperial dimensions				kg/m	Die reference		
A	T1	R1	R2	A	T1	R1	R2				
50.80	6.35			2"	1/4"			1.639	4-0039	EA 05002	001048
50.80	6.35	6.35		2"	1/4"			1.663	4-0625		040229
50.80	9.53			2"	3/8"			2.378	4-0600		001026
57.15	3.18			2 1/4"	1/8"			0.958	4-0908		
57.15	6.35			2 1/4"	1/4"			1.860	4-1030		040231
60.00	3.00							0.951	4-0846		
60.00	5.00							1.560	4-0562		
60.00	6.00							1.854	4-0683		006829
60.00	8.00			2 3/8"	5/16"			2.428	4-0935		
60.00	10.00	0.50	0.50					2.981	4-1274		
63.50	3.18			2 1/2"	1/8"			1.070	4-0312	EA 06303	003605
63.50	4.76			2 1/2"	3/16"			1.580	4-0310		040238
63.50	6.35			2 1/2"	1/4"			2.076	4-0195		040239
63.50	9.53			2 1/2"	3/8"			3.034	4-0834		040241
70.00	5.00							1.840	4-0582		
70.00	7.00							2.523	4-0990		
75.00	3.00							1.195		EA 07501	
75.00	5.00							1.970	4-0684		
75.00	6.00							2.350	001261		103677
75.00	8.00							3.090	4-0702		

EQUAL ANGLE



Metric dimensions				Imperial dimensions				kg/m	Die reference		
A	T1	R1	R2	A	T1	R1	R2				
76.20	3.15							1.274	4-0106		
76.20	3.18			3"	1/8"			1.286			017286
76.20	4.76			3"	3/16"			1.910	4-0605	EA 07602	040246
76.20	6.35			3"	1/4"			2.513	4-0040	EA 07601	001398
76.20	6.35	7.62						2.520	4-0387		
76.20	9.53			3"	3/8"			3.700	4-0340	EA 07605	006647
76.20	12.70			3"	1/2"			4.830	4-0577		040248
76.30	6.35							2.570			040882
80.00	5.00							2.100	4-1252		
80.00	6.00							2.503	4-1271		
80.00	8.00							3.295	4-0847		
88.90	6.35			3 1/2"	1/4"			2.950	4-1222		
88.90	9.52	8.83		3 1/2"	3/8"			4.400	4-0465		
100.00	6.00							3.154	4-0067		006923
100.00	10.00							5.149	4-0648		006924
101.60	3.18			4"	1/8"			1.728	001423		040840
101.60	6.35			4"	1/4"			3.400	4-0376	EA 10101	040251
101.60	7.94			4"	5/16"			4.220	4-0578		
101.60	9.53			4"	3/8"			5.002	4-0503		035206
101.60	12.70			4"	1/2"			6.532	4-1179		

EQUAL ANGLE

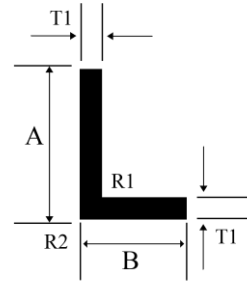


Metric dimensions				Imperial dimensions				kg/m	Die reference		
A	T1	R1	R2	A	T1	R1	R2				
101.60	12.70	9.14						6.605	4-0781		
120.00	8.00							5.029	4-1031		
127.00	9.53			5"	3/8"			6.317	107338		
150.00	8.00	0.50	0.50					6.330	4-1079		
152.40	12.70	9.54		6"	1/2"	3/8"		10.106	4-0800		212125

UNEQUAL ANGLE

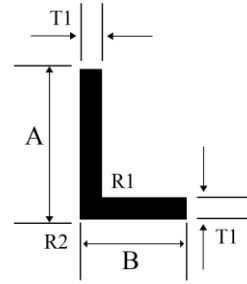


UNEQUAL ANGLE



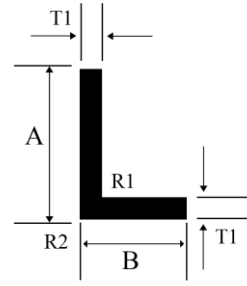
Metric dimensions					Imperial dimensions					kg/m	Die reference		
A	B	T1	R1	R2	A	B	T1	R1	R2				
19.05	9.53	1.59			3/4"	3/8"	1/16"			0.120	4-0634		001338
19.05	12.70	1.60			3/4"	1/2"	1/16"			0.131			002355
19.05	12.70	3.18			3/4"	1/2"	1/8"			0.246	4-0236		001034
20.00	14.00	2.50								0.213		UA 02001	
20.00	15.00	2.00								0.180	4-0283		
25.00	19.00	2.50								0.280			112385
25.00	20.00	2.00								0.233	4-0987		
25.00	20.00	2.50								0.288	4-1071		
25.40	12.70	1.58			1"	1/2"	1/16"			0.156	4-0237		110513
25.40	12.70	3.18			1"	1/2"	1/8"			0.302	4-0170	UA 02501	001698
25.40	12.70	3.18			1"	1/2"	1/8"			0.302			001365
25.40	15.88	3.18			1"	5/8"	1/8"			0.330	4-0355		002738
25.40	19.05	1.59			1"	3/4"	1/16"			0.185	4-0238	UA 02505	001426
25.40	19.05	3.15			1"	3/4"	1/8"			0.353	4-0126		001052
25.40	19.05	3.18			1"	3/4"	1/8"			0.356		UA 02502	
25.40	38.10	1.60			1"	1 1/2"	1/16"			0.181	4-0500		
28.58	19.05	3.18			1 1/8"	3/4"	1/8"			0.380	4-0575		
30.00	15.00	2.00								0.233	4-0891		
30.00	20.00	3.00								0.382	4-0877		
30.00	22.00	3.00								0.398		UA 03002	

UNEQUAL ANGLE



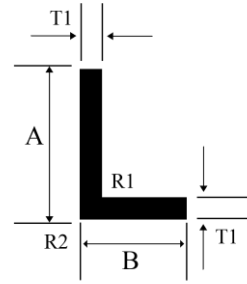
Metric dimensions					Imperial dimensions					kg/m	Die reference		
A	B	T1	R1	R2	A	B	T1	R1	R2				
30.00	25.00	2.00								0.287	4-1065		
31.75	12.70	3.20			1 1/4"	1/2"	1/8"			0.358	4-0027	UA 03104	002361
31.75	19.05	3.18			1 1/4"	3/4"	1/8"			0.410	4-0255	UA 03103	001533
31.75	25.40	3.18			1 1/4"	1"	1/8"			0.465	4-0239	UA 03102	002418
35.00	20.00	2.00								0.287	4-0664		
38.00	25.00	3.00								0.488	4-1062		
38.10	12.70	3.18			1 1/2"	1/2"	1/8"			0.410	4-0290	UA 03803	002367
38.10	19.05	1.58			1 1/2"	3/4"	1/16"			0.240	4-0230		
38.10	19.05	1.59			1 1/2"	3/4"	1/16"			0.239			040270
38.10	19.05	3.18			1 1/2"	3/4"	1/8"			0.465		UA 03804	
38.10	19.05	3.20			1 1/2"	3/4"	1/8"			0.470	4-0087		001032
38.10	22.23	3.18			1 1/2"	7/8"	1/8"			0.494	4-0416	UA 03813	040272
38.10	25.40	1.59			1 1/2"	1"	1/16"			0.270	4-0500		040273
38.10	25.40	3.18			1 1/2"	1"	1/8"			0.519		UA 03802	001049
38.10	25.40	3.20			1 1/2"	1"	1/8"			0.523	4-0054	4-0737	
38.10	25.40	4.76			1 1/2"	1"	3/16"			0.760	4-0326		034504
38.10	31.75	3.18			1 1/2"	1 1/4"	1/8"			0.580	4-0736		
40.00	20.00	2.00								0.314	4-0282		006997
40.00	20.00	3.00								0.463	4-0545		006687
40.00	25.00	3.00								0.504	4-0940		

UNEQUAL ANGLE



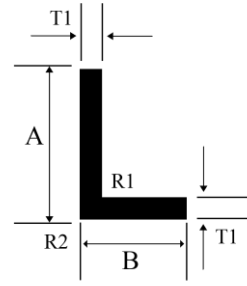
Metric dimensions					Imperial dimensions					kg/m	Die reference		
A	B	T1	R1	R2	A	B	T1	R1	R2				
40.00	25.00	4.00	2.50	0.30						0.670	4-1050		
40.00	30.00	2.00								0.370	4-0518		
40.00	30.00	3.00								0.545	4-0992		
40.00	30.00	4.00								0.715	4-0750		
44.45	19.05	3.18			1 3/4"	3/4"	1/8"			0.520	4-0371		110098
44.45	22.23	3.18			1 3/4"	7/8"	1/8"			0.550			010263
44.45	25.40	3.18			1 3/4"	1"	1/8"			0.575	4-0729	UA 04408	005546
44.45	31.75	3.18			1 3/4"	1 1/4"	1/8"			0.629			040905
45.00	21.00	6.00								0.980			040884
50.00	20.00	1.60								0.477	4-0748		
50.00	25.00	1.50								0.299		UA 05022	110607
50.00	25.00	1.50								0.299			006720
50.00	25.00	1.60								0.318	03989 6		
50.00	25.00	2.00								0.395			006776
50.00	25.00	3.00								0.585	4-0973	UA 05026	040283
50.00	30.00	2.00								0.423	4-0844		
50.00	30.00	3.00								0.626	4-0942		
50.00	30.00	4.00								0.824	4-0964		
50.00	30.00	4.00	4.00							0.833	4-0259		
50.00	30.00	5.00								1.020	4-0669		

UNEQUAL ANGLE



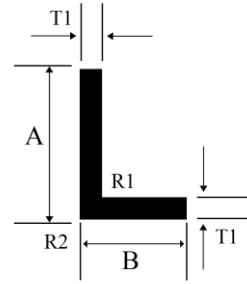
Metric dimensions					Imperial dimensions					kg/m	Die reference		
A	B	T1	R1	R2	A	B	T1	R1	R2				
50.00	40.00	3.00								0.710	4-1058		
50.00	40.00	5.00	4.00							1.161	4-0348		
50.80	12.70	3.18			2"	1/2"	1/8"			0.520	4-0372		040291
50.80	19.05	3.18			2"	3/4"	1/8"			0.575	4-0316	UA 05006	002363
50.80	25.40	1.60			2"	1"	1/16"			0.323	4-1221		002534
50.80	25.40	3.20			2"	1"	1/8"			0.633	4-0052		001033
50.80	25.40	4.76			2"	1"	3/16"			0.922	4-0487		003670
50.80	25.40	6.35			2"	1"	1/4"			1.210	4-0147	UA 05012	002356
50.80	31.75	3.18			2"	1 1/4"	1/8"			0.684		UA 05016	040873
50.80	31.75	6.35			2"	1 1/4"	1/4"			1.311	4-1211		
50.80	38.10	3.18			2"	1 1/2"	1/8"			0.740	4-0337	UA 05002	002357
50.80	38.10	4.76			2"	1 1/2"	3/16"			1.085	4-0055		002103
50.80	38.10	6.35			2"	1 1/2"	1/4"			1.421	4-0134	UA 05014	002333
57.00	32.00	3.00								0.680			040902
57.15	31.75	3.18			2 1/4"	1 1/4"	1/8"			0.739	4-0032		040293
60.00	20.00	5.00	3.50							1.222	4-1275		
60.00	30.00	3.00								0.707	4-0974		
60.00	30.00	4.00								0.940	4-0701		
60.00	30.00	5.00								1.151	4-0757		040297
60.00	40.00	3.00								0.792	4-0943		040298

UNEQUAL ANGLE



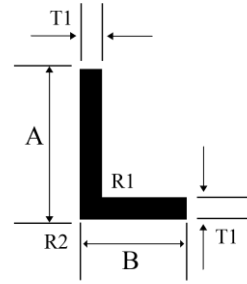
Metric dimensions					Imperial dimensions					kg/m	Die reference	
A	B	T1	R1	R2	A	B	T1	R1	R2			
60.00	40.00	4.00								1.041	4-0548	
60.00	40.00	5.00								1.287	4-0838	040300
60.00	40.00	6.00								1.528	4-0966	
63.50	12.70	3.18			2 1/2"	1/2"	1/8"			0.629		UA 06308
63.50	25.40	3.18			2 1/2"	1"	1/8"			0.740	4-0253	040303
63.50	25.40	4.76			2 1/2"	1"	3/16"			1.085		
63.50	38.10	3.15			2 1/2"	1 1/2"				0.840	4-0108	
63.50	38.10	3.18			2 1/2"	1 1/2"	1/8"			0.848		002893
63.50	38.10	4.76			2 1/2"	1 1/2"	3/16"			1.249	4-0109	001929
63.50	38.10	6.35			2 1/2"	1 1/2"	1/4"			1.650	4-0151	002648
63.50	50.80	4.76			2 1/2"	2"	3/16"			1.413	4-1047	UA 06309
63.50	50.80	4.76	6.60							1.438		
63.50	50.80	6.35			2 1/2"	2"	1/4"			1.858	4-1168	010425
65.00	50.00	6.00								1.772	4-0848	
70.00	30.00	6.00								1.530		
70.00	40.00	2.00								0.585	4-0901	040306
70.00	50.00	5.00								1.560	4-0542	
70.00	50.00	6.00								1.853	20453 0	
75.00	20.00	2.00								0.504	07675 7	
75.00	21.00	4.00	4.00							1.598	4-1276	

UNEQUAL ANGLE



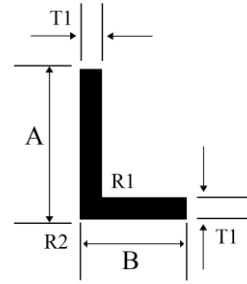
Metric dimensions					Imperial dimensions					kg/m	Die reference		
A	B	T1	R1	R2	A	B	T1	R1	R2				
75.00	25.00	3.00								0.789		UA 07501	
75.00	50.00	3.00								0.991	4- 1056		109956
75.00	50.00	5.00								1.626	4- 0902		
75.00	50.00	5.00	4.50							1.638	4- 1029		
75.00	50.00	6.00								1.936	4- 0679		040313
75.00	50.00	7.00	6.00							2.270	4- 0564		
75.00	50.00	8.00								2.550	4- 0647		
75.70	27.70	1.75								0.554			007112
76.20	25.40	3.18			3"	1"	1/8"			0.850	4- 0240	UA 07601	001372
76.20	25.40	4.76			3"	1"	3/16"			1.250	4- 0473		
76.20	25.40	6.35			3"	1"	1/4"			1.650	4- 0426		040318
76.20	38.10	3.18			3"	1 1/2"	1/8"			0.958	4- 0148	UA0760 4	007179
76.20	38.10	4.76			3"	1 1/2"	3/16"			1.420	4- 0454		010410
76.20	38.10	6.35			3"	1 1/2"	1/4"			1.865	4- 0113		040319
76.20	50.80	3.18			3"	2"	1/8"			1.067	4- 0335	UA 07605	002739
76.20	50.80	4.76			3"	2"	3/16"			1.577	4- 0301	UA 07603	004100
76.20	50.80	6.35			3"	2"	1/4"			2.076	4- 0020	UA 07602	001053
76.20	50.80	6.35	6.86							2.110	4- 0565		
76.20	50.80	9.53			3"	2"	3/8"			3.034	4- 0321		040322
76.20	63.50	6.35			3"	2 1/2"	1/4"			2.294			040807

UNEQUAL ANGLE



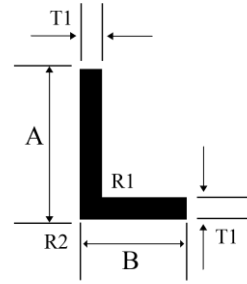
Metric dimensions					Imperial dimensions					kg/m	Die reference		
A	B	T1	R1	R2	A	B	T1	R1	R2				
80.00	40.00	4.00								1.257	4-0752		
80.00	40.00	5.00								1.558	4-0835		
80.00	40.00	6.00		0.60						1.853	4-0758		
80.00	50.00	6.00								2.016	4-0906		
80.00	50.00	8.00								2.645	4-0939		
80.00	60.00	6.00								2.190	4-1002		
80.00	65.00	10.00								3.659	4-0751		
88.90	63.50	6.35			3 1/2"	2 1/2"	1/4"			2.513	4-1141		
88.90	76.20	6.35			3 1/2"	3"	1/4"			2.732	4-1046		
100.00	20.00	2.00								0.640	4-0665		
100.00	50.00	3.00								1.195	4-0982	UA 10004	006931
100.00	50.00	5.00								1.965	4-0537		
100.00	50.00	6.00								2.341	4-0828		040338
100.00	50.00	8.00								3.079	4-0829		
100.00	50.00	10.00								3.808	4-0830		
100.00	60.00	6.00								2.504	4-0754		
100.00	60.00	8.00								3.295	4-0755		
100.00	64.00	8.00								3.382	4-0983		
100.00	65.00	6.00								2.585	211415		

UNEQUAL ANGLE



Metric dimensions					Imperial dimensions					kg/m	Die reference		
A	B	T1	R1	R2	A	B	T1	R1	R2				
100.0 0	80.00	10.00								4.605	20063 0		
101.6 0	25.40	3.18			4"	1"	1/8"			1.067	4-0443	UA 10105	035266
101.6 0	50.80	3.18			4"	2"	1/8"			1.286	4-0110	UA 10102	033951
101.6 0	50.80	4.76			4"	2"	3/16"			1.905	4-0412		003441
101.6 0	50.80	6.35			4"	2"	1/4"			2.513	4-0111		003442
101.6 0	50.80	6.35			4"	2"	1/4"			2.513			040823
101.6 0	63.50	6.35			4"	2 1/2"	1/4"			2.732	4-0077		
101.6 0	76.20	4.76			4"	3"	3/16"			2.200			040903
101.6 0	76.20	6.35			4"	3"	1/4"			2.960	4-0446		010528
101.6 0	76.20	9.52	8.38		4"	3"				4.382	4-0158		
101.6 0	76.20	9.53			4"	3"	3/8"			4.346	4-1208		011135
101.6 0	76.20	12.70	8.38							5.727	B6128 3		
101.6 0	76.20	15.88			4"	3"	5/8"			6.968		UA 10106	
102.0 0	50.80	3.18								1.290			
120.0 0	60.00	6.00								2.827	20395 0		
120.0 0	60.00	6.00								2.829	4-1266		
120.0 0	60.00	8.00								3.728	4-1288		
120.0 0	80.00	10.00								5.168	2-0336		
120.0 0	100.0 0	6.00								3.480	4-1003		
125.0 0	50.00	6.00								2.748	4-1209		
125.0 0	80.00	8.00								4.271	4-0763		

UNEQUAL ANGLE

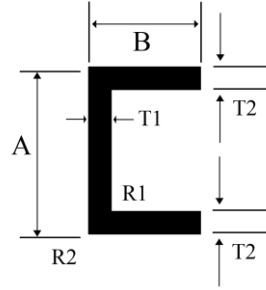


Metric dimensions					Imperial dimensions					kg/m	Die reference		
A	B	T1	R1	R2	A	B	T1	R1	R2				
127.0 0	25.40	3.18			5"	1"	1/8"			1.290	4-0294		040347
127.0 0	50.80	3.18			5"	2"	1/8"			1.504	207321		040859
127.0 0	50.80	6.35			5"	2"	1/4"			2.953	005448		010529
127.0 0	76.20	6.35			5"	3"	1/4"			3.390			040872
127.0 0	76.20	9.53			5"	3"	3/8"			5.081	001596		
127.0 0	114.3 0	12.70	1.50	1.50	5"	4 1/2"	1/2"			7.862			
150.0 0	50.00	4.00								2.125	4-0797		
150.0 0	75.00	8.00								4.705	4-0890		
150.0 0	100.0 0	10.00								6.503	4-1055		
152.4 0	50.80	6.35			6"	2"	1/4"			3.387	4-0798		040850
152.4 0	50.80	9.53			6"	2"	3/8"			5.001	4-1059		040352
152.4 0	76.20	6.35	0.50	0.50	6"	3"	1/4"			3.824	4-1072		043637
152.4 0	76.20	9.53			6"	3"	3/8"			5.658	4-0799		040353
152.4 0	127.0 0	9.53	6.35		6"	5"	3/8"			6.993	4-0803		
160.0 0	40.50	6.50	6.50							3.441	205139		
200.0 0	100.0 0	10.00								7.589	202947		202947

CHANNEL

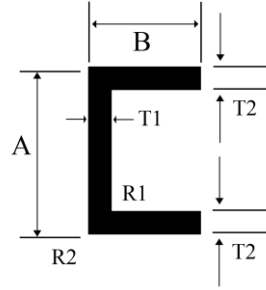


CHANNEL



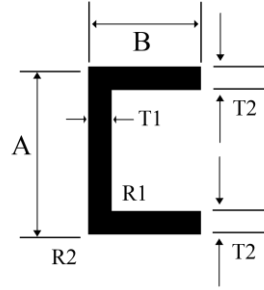
Metric dimensions						Imperial dimensions						kg/m	Die reference	
A	B	T1	T2	R1	R2	A	B	T1	T2	R1	R2			
9.53	9.53	1.59	1.59			3/8"	3/8"	1/16"	1/16"			0.109		035267
9.52	10.16	1.58										0.114		005018
9.53	15.88	1.59	1.59			3/8"	5/8"	1/16"	1/16"			0.164	002502	
10.00	10.00		1.50									0.110	4-0523	
10.10	20.00		1.80									0.226		4-1272
12.70	12.70	1.57	1.57			1/2"	1/2"	1/16"	1/16"			0.149		CH 110511 01202
12.70	12.70		1.60			1/2"	1/2"					0.151	4-0241	
12.70	15.88	3.18	3.18			1/2"	5/8"	1/8"	1/8"			0.328		CH 01206
15.00	15.00		2.00									0.222	4-0633	
15.88	15.88		1.58			5/8"	5/8"	1/16"	1/16"			0.190	4-0347	CH 002692 01506
15.88	15.88	3.18	3.18			5/8"	5/8"	1/8"	1/8"			0.356	4-0289	CH 002040 01501
19.00	19.00		3.18									0.436	4-0242	
19.05	12.70	3.18	3.18			3/4"	1/2"	1/8"	1/8"			0.330	4-0483	001122
19.05	12.70		1.57			3/4"	1/2"		1/16"			0.176		CH 01908
19.05	19.05	1.59	1.59			3/4"	3/4"	1/16"	1/16"			0.233	4-0730	CH 003867 01914
19.05	19.05	3.18	3.18			3/4"	3/4"	1/8"	1/8"			0.438	4-1235	001125
19.05	25.40	3.18	3.18			3/4"	1"	1/8"	1/8"			0.547		CH 01910
19.05	38.10	3.18	3.18			3/4"	1 1/2"	1/8"	1/8"			0.766	4-1237	

CHANNEL



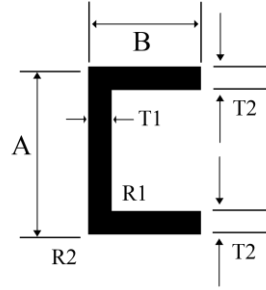
Metric dimensions						Imperial dimensions						kg/m	Die reference	
A	B	T1	T2	R1	R2	A	B	T1	T2	R1	R2			
20.00	20.00		2.00									0.300	4-0532	
20.00	20.00	3.00	3.00									0.438		
20.65	15.90	1.60	1.60									0.217	4-0078	
22.23	22.23	3.18	3.18			7/8"	7/8"	1/8"	1/8"			0.520		CH 02201 002206
22.25	22.25		3.15									0.520	4-0118	
24.30	19.05	2.29	2.29									0.359		CH 02401
25.00	25.00	2.00	2.00									0.385		CH 02512
25.00	25.00		3.00									0.561	4-0839	040365
25.40	12.70		1.59			1"	1/2"	1/16"				0.210	4-0472	
25.40	12.70	3.18	3.18			1"	1/2"	1/8"	1/8"			0.383	4-0243	001363
25.40	19.05		3.15			1"	3/4"	1/8"	1/8"			0.490	4-0114	CH025 05 001124
25.40	25.40	1.59	1.59			1"	1"	1/16"	1/16"			0.315		016979
25.40	25.40	2.54	2.54									0.489		001127
25.40	25.40	3.20	3.20			1"	1"	1/8"	1/8"			0.605	4-0024	CH 02501 001121
25.40	25.40		4.76									0.860	4-0344	
25.40	38.10	3.18	3.18			1"	1 1/2"	1/8"	1/8"			0.821	4-0336	CH 02511 001349
25.40	50.80	3.18	3.18			1"	2"	1/8"	1/8"			1.040	4-0747	CH 02508 040368
26.67	38.10	2.54	2.54									0.673		013184
27.94	19.05	3.18	3.18				3/4"	1/8"	1/8"			0.515		
28.58	19.05	3.18	3.18			1 1/8"	3/4"	1/8"	1/8"			0.519	B353 32	

CHANNEL



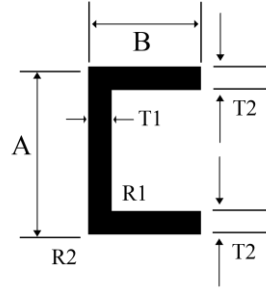
Metric dimensions						Imperial dimensions						kg/m	Die reference		
A	B	T1	T2	R1	R2	A	B	T1	T2	R1	R2				
28.58	25.40	3.18	3.18			1 1/8"	1"	1/8"	1/8"			0.842	4-0469		003603
28.58	38.10	3.18	3.18			1 1/8"	1 1/2"	1/8"	1/8"			0.842		CH 02803	001897
28.70	25.40	3.17	3.17									0.630			003603
30.00	30.00		2.00									0.466	4-0868		
30.00	30.00		3.00									0.690	4-0521		
31.75	12.70	3.18	3.18			1 1/4"	1/2"	1/8"	1/8"			0.438		CH 03108	003172
31.75	19.05	3.18	3.18			1 1/4"	3/4"	1/8"	1/8"			0.547		CH 03106	
31.75	19.05		3.15			1 1/4"	3/4"					0.550	4-0115		109839
31.75	19.05		3.15			1 1/4"	3/4"					0.550			001129
31.75	25.40	3.17	3.17			1 1/4"	1"	1/8"	1/8"			0.655		CH 03107	
31.75	25.40		3.18			1 1/4"	1"	1/8"	1/8"			0.660	4-0404		003038
31.75	31.75	3.18	3.18			1 1/4"	1 1/4"	1/8"	1/8"			0.789		CH 03102	
31.75	31.75		3.20			1 1/4"	1 1/4"					0.770	4-0003		003037
31.75	31.75		4.76			1 1/4"	1 1/4"	3/16"	3/16"			1.110	4-0492		040371
31.25	38.10	2.50	2.50	2.50	1.50		1 1/2"					0.699	4-0366		
31.75	38.10	3.18				1 1/4"	1 1/2"	1/8"				0.875	2055 96		
31.75	50.80	3.18	3.18			1 1/4"	2"	1/8"	1/8"			1.094		CH 03111	
34.93	25.40	3.18	3.18			1 3/8"	1"	1/8"	1/8"			0.690	4-0429	CH 03401	002742
35.00	20.00	2.00										0.385		CH 03502	
37.00	16.00		2.00									0.352	4-0831		

CHANNEL



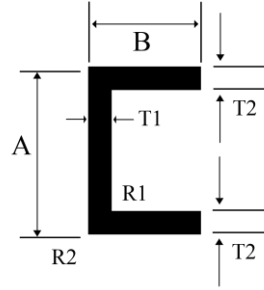
Metric dimensions						Imperial dimensions						kg/m	Die reference		
A	B	T1	T2	R1	R2	A	B	T1	T2	R1	R2				
38.10	12.70	3.18	3.18			1 1/2"	1/2"	1/8"	1/8"			0.492		CH 03810	040911
38.10	19.05	3.18	3.18			1 1/2"	3/4"	1/8"	1/8"			0.602		CH 03802	001123
38.10	19.05		3.15			1 1/2"	3/4"	1/8"	1/8"			0.597	4- 0116		
38.10	19.05	3.18					3/4"	1 1/2"	1/8"			0.766	4- 1237		
38.10	25.40	2.36	2.36									0.533	4- 1080		
38.10	25.40	3.18	3.18			1 1/2"	1"	1/8"	1/8"			0.711	4- 0159	CH 03803	001128
38.10	38.10	3.18	3.18			1 1/2"	1 1/2"	1/8"	1/8"			0.930	4- 0244	CH 03801	001391
38.10	38.10	4.76	4.76			1 1/2"	1 1/2"	3/16"	3/16"			1.360	4- 0190	CH 03807	008295
38.10	38.10	6.35	6.35			1 1/2"	1 1/2"					1.750			040871
40.00	20.00		3.00									0.602	4- 0869		040375
40.00	20.00	2.00	2.00									0.412			
40.00	20.00		3.00									0.602	4- 0869		040375
40.00	40.00	1.70	1.70	0.25	0.25							0.539			
40.00	40.00	3.00	3.00									0.930	4- 1013		
40.00	40.00	3.18	3.18									0.927			010081
40.00	40.00		4.00									1.220	4- 0522		
41.28	25.40	3.18	3.18	0.79		1 5/8"	1"	1/8"	1/8"			0.739			
44.00	30.00	4.76	4.76									1.219		CH 04405	
44.45	25.40		3.15			1 3/4"	1"	1/8"	1/8"			0.760	4- 0117		040377
44.45	44.45		3.18			1 3/4"	1 3/4"	1/8"	1/8"			1.100	4- 0619		040378

CHANNEL



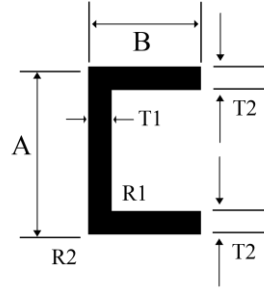
Metric dimensions						Imperial dimensions						kg/m	Die reference		
A	B	T1	T2	R1	R2	A	B	T1	T2	R1	R2				
45.00	25.00		3.00									0.724	4-0840		
47.62	25.40		3.18									0.793	4-0131		
50.00	25.00		4.00									1.000	4-0696		
50.00	30.00		3.00									0.850	4-0536		
50.00	50.00		5.00									1.897	4-0842		
50.80	12.70	3.18	3.18			2"	1/2"	1/8"	1/8"			0.602		CH 05010	004084
50.80	19.05		3.18			2"	3/4"	1/8"	1/8"			0.710	4-0630		040386
50.80	25.40	3.18	3.18			2"	1"	1/8"	1/8"			0.821	4-0149	CH 05001	001126
50.80	25.40	4.75	4.75			2"	1"	3/16"	3/16"			1.186	4-0189		004335
50.80	25.40	6.35	6.35			2"	1"	1/4"	1/4"			1.540	4-0153		040388
50.80	25.40	3.17	3.17			2"	1"	1/8"	1/8"			0.820			001126
50.80	25.40		4.76			2"	1"					1.190	4-0189		004335
50.80	25.40		6.35			2"	1"	1/4"	1/4"			1.540			040388
50.80	33.02	3.81	3.81	3.81	0.40	2"						1.144	4-1016		
50.80	38.10	6.35	6.35			2"	1 1/2"	1/4"	1/4"			1.967			001415
50.80	38.10	3.18	3.18			2"	1 1/2"	1/8"	1/8"			1.040	4-1127		001420
50.80	38.10		4.76			2"	1 1/2"		3/16"			1.520	4-0569		
50.80	50.80	3.18	3.18			2"	2"	1/8"	1/8"			1.260	4-0245	CH 05009	008293
50.80	50.80	4.76	4.76			2"	2"	3/16"	3/16"			1.843	4-0231		010523
50.80	50.80	6.35	6.35			2"	2"	1/4"	1/4"			2.404	4-0246	CH 05007	040832

CHANNEL



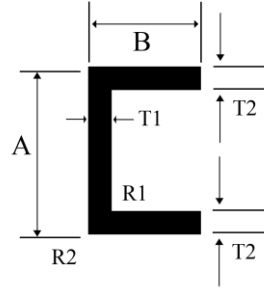
Metric dimensions						Imperial dimensions						kg/m	Die reference		
A	B	T1	T2	R1	R2	A	B	T1	T2	R1	R2				
57.15	28.58	3.18	3.18	0.79		2 1/4"	1 1/8"	1/8"	1/8"			0.931	4-1229		
57.15	31.75		4.76			2 1/4"	1 1/4"	3/16"	3/16"			1.434	4-0718		033950
58.75	55.58	3.18	3.18									1.409		CH 05801	
60.00	30.00	4.00	4.00									1.220	4-0476		
60.00	30.00		6.00									1.760	4-0638		
60.00	40.00		4.00									1.440	4-0568		
60.00	40.00		5.00									1.770			010084
63.50	25.40	3.18	3.18			2 1/2"	1"	1/8"	1/8"			0.930	4-0247	CH 06306	040394
63.50	25.40	3.18	3.18			2 1/2"	1"	1/8"	1/8"			0.930			040856
63.50	31.75	4.76	4.76			2 1/2"	1 1/4"	3/16"	3/16"			1.515	4-0484		017868
63.50	38.10	4.76	4.76			2 1/2"	1 1/2"	3/16"	3/16"			1.679	4-1089		033953
63.50	38.10	6.35	6.35									2.185	2157 02		
75.00	50.00	6.00	6.00	5.00	12.00							2.514	1119 53		
76.20	25.40		3.18			3"	1"		1/8"			1.040	4-0351		110017
76.20	38.10	3.18	3.18			3"	1 1/2"	1/8"	1/8"			1.310	4-0339		010188
76.20	38.10	4.76	4.76			3"	1 1/2"	3/16"	3/16"			1.843			007454
76.20	38.10	4.76	4.76	6.10		3"	1 1/2"		3/16"			1.890	4-0585		
76.20	38.10	4.78	4.78	7.62		3"	1 1/2"	3/16"	3/16"			1.918	4-0132		007454
76.20	38.10	6.35	6.35			3"	1 1/2"	1/4"	1/4"			2.410	4-0362	CH 07601	010426
76.20	38.10	6.35	7.95									2.678			012008

CHANNEL



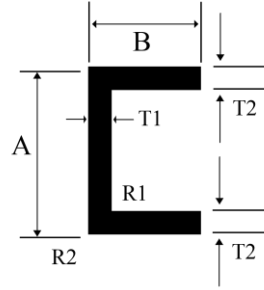
Metric dimensions						Imperial dimensions						kg/m	Die reference		
A	B	T1	T2	R1	R2	A	B	T1	T2	R1	R2				
76.20	38.10	7.94	6.35	9.15		3"	1 1/2"	5/16"	1/4"			2.775	4-0313		
76.20	38.10		6.35			3"	1 1/2"		1/4"			2.410	4-0362		
76.20	38.10	6.35	7.94	7.62		3"	1 1/2"	1/4"	5/16"			2.760	4-0459		040842
76.20	50.80	4.76	4.76			3"	2"	3/16"	3/16"			2.181		001093	
76.20	50.80	5.10	6.40	7.60		3"	2"		1/4"			2.720	4-0583		
76.20	50.80	6.35	6.35	4.76		3"	2"	1/4"	1/4"	3/16"		2.867		CH 07604	
76.20	50.80	6.35	6.35	6.35		3"	2"	1/4"	1/4"	1/4"		2.890	4-0456		
76.20	50.80		3.18			3"	2"		1/8"			1.480	4-0292		032284
76.20	50.80		6.35			3"	2"		1/4"			2.841	4-0297		005162
76.20	76.20	6.35	6.35	6.00		3"	3"	1/4"	1/4"			3.756			016282
76.20	76.20	6.35	6.35			3"	3"	1/4"	1/4"			3.764	0013 22		
77.79	22.23	2.38	2.38									0.610			005949
80.00	40.00	4.00	4.00									1.648		CH 08001	
80.00	50.00		5.00									2.304	4-0850		
88.90	38.10	6.35	7.94	7.62		3 1/2"	1 1/2"	1/4"	5/16"			2.970	4-0455		
100.00	20.00	2.00	2.00									0.737	2056 63		040800
100.00	40.00	4.00	4.00									1.866		076933	
100.00	40.00	8.00	6.00									3.209	B666 27		
100.00	50.00	5.00	5.00									2.604	4-0265		
100.00	50.00		3.00									1.577	4-0836		040403

CHANNEL



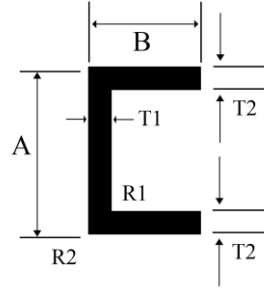
Metric dimensions						Imperial dimensions						kg/m	Die reference		
A	B	T1	T2	R1	R2	A	B	T1	T2	R1	R2				
100.0 0	50.00		5.00									2.575	4- 0872		
100.0 0	64.00		6.40									3.732	4- 0871		
101.6 0	25.40	3.18	3.18			4"	1"	1/8"	1/8"			1.259			006748
101.6 0	38.10		3.18			4"	1 1/2"		1/8"			1.480	1- 3793		
101.6 0	47.63		4.80									2.436	4- 1043		
101.6 0	50.80	3.18	3.18			4"	2"	1/8"	1/8"			1.696	4- 0010	CH 10103	032283
101.6 0	50.80	4.78	4.78	9.14		4"	2"	3/16"	3/16"			2.606			040851
101.6 0	50.80	5.08	8.25	7.92	0.80							3.531			040826
101.6 0	50.80	6.35	6.35			4"	2"	1/4"	1/4"			3.278			034099
101.6 0	50.80	6.35	7.94	9.15		4"	2"	1/4"	5/16"			3.759	4- 0194		043468
101.6 0	50.80	6.35	7.94			4"	2"	1/4"	5/16"			3.759			005855
101.6 0	50.80	6.35	7.94			4"	2"	1/4"	5/16"			3.661		003452	
101.6 0	50.80	6.35	7.95	9.14	7.95	4"	2"	1/4"	5/16"	5/16"		3.761	4- 1131		
101.6 0	50.80		3.15			4"	2"	1/8"	1/8"			1.690	4- 0010		
101.6 0	50.80	6.35	6.35			4"	2"	1/4"	1/4"			3.290	4- 0480		034099
101.6 0	57.15	4.83	7.37									3.419	2048 62		
101.6 0	76.20	5.00	5.00	7.70	12.70	4"	3"					3.200	4- 0501		
101.6 0	76.20		9.53			4"	3"		3/8"			6.100	4- 0616		040409
110.0 0	25.00	1.57	1.57									0.670			040894
120.0 0	60.00	5.00	5.00									3.146	4- 0678		

CHANNEL



Metric dimensions						Imperial dimensions						kg/m	Die reference		
A	B	T1	T2	R1	R2	A	B	T1	T2	R1	R2				
120.0 0	80.00	6.00	4.00									3.329	4- 0956		
125.0 0	70.00		5.00									3.455	4- 0761		
125.0 0	80.00		8.00									5.850	4- 0528		
127.0 0	50.80	6.35	7.95	9.15		5"	2"	1/4"	5/16"			4.198	4- 0074		212890
127.0 0	50.80	6.35	7.94	1.00	1	5"	2"	1/4"	5/16"			4.095			040776
127.0 0	50.80	6.35	7.94		9.15	5"	2"	1/4"	5/16"			4.000			040413
127.0 0	63.50	6.35	9.53			5"	2 1/2"	1/4"	3/8"			5.137			040745
127.0 0	63.50	6.35	9.53	10.67		5"	2 1/2"	1/4"	3/8"			5.270			040415
127.0 0	63.50	6.35	9.53	10.67		5"	2 1/2"	1/4"	3/8"			5.270	4- 1052		212892
127.0 0	63.50	9.53	6.35	10.66		5"	2 1/2"	3/8"	1/4"			5.270	4- 0418		
127.0 0	70.00	4.80	4.80	11.00		5"	2 3/4"					2.966	4- 0637		
150.0 0	100.0 0		6.00									5.496	4- 0915		
150.0 0	30.00	4.00	4.00									2.161	4- 1257		
152.4 0	50.80	3.81	5.08	5.24		6"	2"					2.910	4- 0363		
152.4 0	50.80	4.76	6.35	9.14								3.647	4- 1070		
152.4 0	50.80	4.76	6.35	9.14		6"	2"	3/16"	1/4"			3.648	4- 0911		101097
152.4 0	50.80	6.35	4.76			6"	2"	1/4"	3/16"			3.770	4- 1022		
152.4 0	50.80	6.35	7.93	9.14	9.14	6"	2"	1/4"	5/16"			4.647		001011	
152.4 0	50.80	6.35	7.95	9.15		6"	2"	1/4"	5/16"			4.635	4- 0076		
152.4 0	50.80	6.35	7.94		9.15	6"	2"	1/4"	5/16"			4.438			040421
152.4 0	50.80	6.35	7.94			6"	2"	1/4"	5/16"			4.535			208448
152.4 0	50.80	6.35	7.94	9.14	1	6"	2"	1/4"	5/16"			4.629			040808

CHANNEL

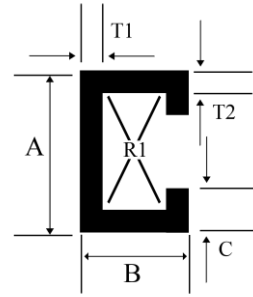


Metric dimensions						Imperial dimensions						kg/m	Die reference	
A	B	T1	T2	R1	R2	A	B	T1	T2	R1	R2			
152.4 0	63.50	6.35	7.94	10.67		6"	2 1/2"	1/4"	5/16"			5.214	4- 0912	
152.4 0	76.20	6.35	6.35			6"	3"	1/4"	1/4"					210894
152.4 0	76.10	9.53	12.70	10.00		6"	3"	3/8"	1/2"	3/8"		8.670	4- 1004	040422
152.4 0	76.20	6.35	9.53	12.19		6"	3"	1/4"	3/8"			6.405	L113 01	
152.4 0	76.20	6.35	9.53	12.19		6"	3"	1/4"	3/8"			6.403	4- 0436	040423
152.4 0	76.20	9.52	12.70	12.19		6"	3"	3/8"	1/2"			8.694	4- 0914	
152.4 0	76.20	9.53	12.70	12.19	1.60	6"	3"	3/8"	1/2"		1/16"	8.721		010134
152.4 0	101.6 0	9.53	9.53	15.24								8.962	4- 0917	
160.0 0	80.00	10.00	10.00									8.130	4- 1232	
177.8 0	76.20	9.35	12.70	12.19		7"	3"	3/8"	1/2"			9.271	2063 68	
200.0 0	50.00	6.00	6.00	0.50	0.35							4.683	4- 1063	040428
200.0 0	80.00	8.00	12.00	10.00								9.097		040810
203.2 0	76.20	9.53	12.70	10.00		8"	3"	3/8"	1/2"			9.953	4- 0923	040429
254.0 0	76.20	6.35	9.53	11.00		10"	3"	1/4"	3/8"			8.081		040819
254.0 0	76.20	9.53	12.70	10.00								11.220		114806
254.0 0	76.20	9.53	12.70	12.00		10"	3"	3/8"	1/2"			11.35	0101 45	208027

CHANNEL - LIPPED

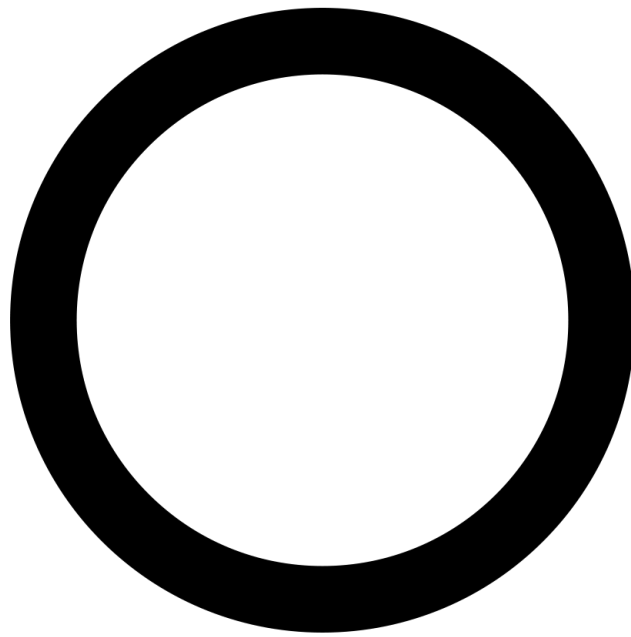


LIPPED CHANNEL

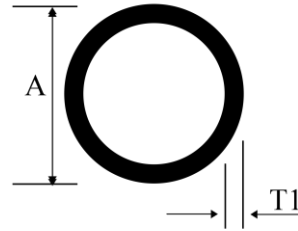


Metric dimensions						Imperial dimensions						kg/m	Die	
A	B	C	T1	T2	R1	A	B	C	T1	T2	R1			
76.20	38.10	9.53	3.81	3.97	4.76	3"						1.696	LCH 07601	
101.6 0	50.80	12.70	3.96	4.75								2.430	4-0164	
101.6 0	50.80	12.70	3.97	4.76	3.18	4"	2"	1/2"	5/32"	3/16"	1/8"	2.530	4-1098	
101.6 0	47.40	11.00	3.75	4.70	6.00							2.398	4-0097	
101.6 0	47.63	11.13	3.81	4.78	6.35	4"	1 7/8"		1/8"			2.437	4-1134	
101.6 0	101.6 0	12.70	6.00	6.00	4.78	4"						4.928	4-0957	
127.0 0	63.50	11.97	3.97	3.97	45°							3.149	4-1042	

ROUND TUBE

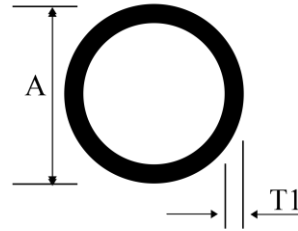


ROUND TUBE



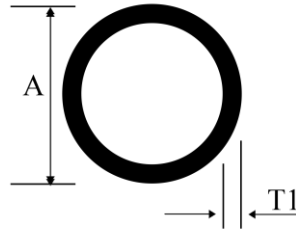
Metric dimensions		Imperial dimensions		kg/m	Die reference		
A	T1	A	T1				
12.70	1.22	1/2"	18 SWG	0.119		TU 01202	109070
12.70	1.63	1/2"	16 SWG	0.154	5-0075	TU 01201	109069
12.70	2.03	1/2"	14 SWG	0.180	5-0249		
12.70	3.25	1/2"	10 SWG	0.260	5-0121		021342
15.00	1.50			0.172	RH1842		109150
15.87	1.20			0.150			109071
15.88	1.22	5/8"	18 SWG	0.152	RH1031	TU 01501	001273
15.90	1.63	5/8"	16 SWG	0.198	5-0137	TU 01503	
15.88	2.03	5/8"	14 SWG	0.240	5-0131		
15.88	2.39	5/8"		0.274		TU 01502	
15.88	3.25	5/8"	10 SWG	0.349	5-0030		007582
15.87	1.63	5/8"	16 SWG	0.200			110693
15.90	3.25	5/8"	10 SWG	0.350	5-0030		
16.00	1.50			0.185	5-0369		
16.00	2.00			0.238	5-0378		040453
16.00	4.50			0.441		079644	
18.00	2.00			0.270			109761
19.05	1.25	3/4"	18 SWG	0.189		TU 01902	109072
19.05	1.25	3/4"	18 SWG	0.189			001272
19.05	1.63	3/4"	16 SWG	0.242	5-0102		001262

ROUND TUBE



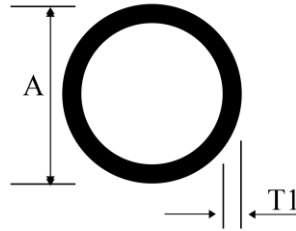
Metric dimensions		Imperial dimensions		kg/m	Die reference		
A	T1	A	T1				
19.05	2.03	3/4"	14 SWG	0.294	5-0178		001451
19.05	3.25	3/4"	10 SWG	0.440	5-0162	TU 01905	001260
19.05	4.63	3/4"		0.568	204716		
20.00	1.50			0.236	5-0293		
20.00	1.80			0.279			004581
20.00	2.00			0.306	5-0376		040458
20.00	2.50			0.372	5-0373		
20.00	3.00			0.436	5-0029		
20.00	3.75			0.519	5-0110		
20.00	5.00			0.641	5-0405		
20.00	6.75			0.760	5-0237		
22.00	1.50			0.262	5-0126		040464
22.00	2.00			0.340			010117
22.22	2.64	7/8"	12 SWG	0.440		TU 02207	
22.23	1.22	7/8"	18 SWG	0.218		TU 02204	110576
22.23	1.59	7/8"	16 SWG	0.280			001259
22.23	1.63	7/8"	16 SWG	0.286	5-0200	TU 02206	109151
22.23	2.34	7/8"	13 SWG	0.390	5-0100		
22.23	3.25	7/8"	10 SWG	0.525	5-0166	TU 02205	

ROUND TUBE



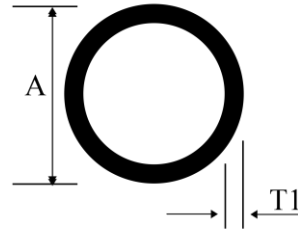
Metric dimensions		Imperial dimensions		kg/m	Die reference		
A	T1	A	T1				
22.23	3.25	7/8"	10 SWG	0.525			001769
23.90	2.64			0.480			040896
25.00	1.50			0.300	5-0294		006701
25.00	2.00			0.390	5-0391		
25.00	2.50			0.480	5-0229		
25.00	3.00			0.560	5-0289	HY 040468	
25.00	5.00			0.850	3-0506		
25.40	1.22	1"	18 SWG	0.251	5-0479		001724
25.40	1.63	1"	16 SWG	0.330	5-0046	TU 02506	001598
25.40	2.03	1"	14 SWG	0.404	5-0174	TU 02502	002014
25.40	2.64	1"	12 SWG	0.512	5-0202		
25.40	3.00			0.572	5-0464		
25.40	3.25	1"	10 SWG	0.613	5-0060	TU 02501	001276
25.40	4.76	1"	3/16"	0.840	5-0203		020573
25.40	6.35	1"	1/4"	1.030	5-0096		003006
26.00	1.50			0.313		TU 02603	
26.00	3.00			0.587	201452		
26.97	1.62			0.350			040913
27.00	1.22		18 SWG	0.268		TU 02701	
28.15	2.03			0.450			040892

ROUND TUBE



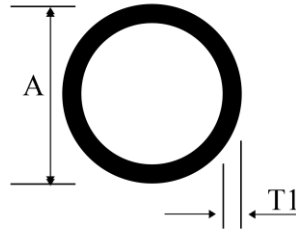
Metric dimensions		Imperial dimensions		kg/m	Die reference		
A	T1	A	T1				
28.57	1.63			0.374		TU 02804	005199
28.58	1.22	1 1/8"	18 SWG	0.284			037481
28.58	1.65	1 1/8"	16 SWG	0.380	5-0074		005199
28.58	2.50	1 1/8"	2.5	0.555	200448		
28.58	3.25	1 1/8"	10 SWG	0.700	5-0179		008019
29.92	5.46			1.138		095060	
30.00	1.50			0.370	5-0230		010063
30.00	1.60			0.390	5-0032		
30.00	2.00			0.470	5-0326		010006
30.00	2.50			0.580	5-0363		010115
30.00	3.00			0.690	5-0368		
30.00	5.00			1.060	5-0381		
30.50	3.25			0.751	5-0559		
31.75	1.22	1 1/4"	18 SWG	0.317		TU 03106	004871
31.75	1.63	1 1/4"	16 SWG	0.420	5-0057	TU 03102	
31.75	1.63	1 1/4"	16 SWG	0.420	5-0332*		040828
31.75	2.03	1 1/4"	14 SWG	0.520	5-0120		040478
31.75	2.60	1 1/4"	12 SWG	0.654	5-0094	TU 03105	002777
31.75	3.25	1 1/4"	10 SWG	0.790	5-0018	TU 03101	001267
31.75	4.70	1 1/4"	3/16"	1.090	5-0048		040481

ROUND TUBE



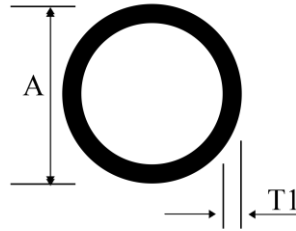
Metric dimensions		Imperial dimensions		kg/m	Die reference		
A	T1	A	T1				
31.75	6.35	1 1/4"	1/4"	1.373	5-0265		040482
32.00	1.50			0.390			010064
32.00	2.00			0.510	5-0452		
32.00	3.00			0.740	5-0238		
32.00	3.50			0.850	5-0290		
33.30	3.00			0.774		TU 03302	
33.34	2.95	1 5/16"	11 SWG	0.770	5-0078		
33.34	3.97	1 5/16"	5/32"	0.990	5-0190		
33.40	3.38			0.870	5-0277		
34.92	3.25	1 3/8"	10 SWG	0.880	5-0167		002381
34.93	1.63	1 3/8"	16 SWG	0.462	5-0193	TU 03403	001427
34.93	1.63	1 3/8"	16 SWG	0.462			110606
34.93	3.25	1 3/8"	1/8"	0.874			002381
34.93	6.35	1 3/8"	1/4"	1.545	5-0545		
35.00	2.00			0.562	5-0562		
35.00	2.50			0.692	5-0344		
35.00	3.00			0.817	3-3334		
35.00	4.00			1.060	5-0396		
35.00	5.00			1.280	5-0242		
38.00	1.50			0.466	5-0004		010065

ROUND TUBE



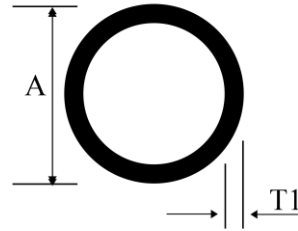
Metric dimensions		Imperial dimensions		kg/m	Die reference		
A	T1	A	T1				
38.00	2.00			0.620	5-0299		
38.00	3.00			0.894	5-0473		039069
38.10	1.25	1 1/2"	18 SWG	0.392		TU 03807	040861
38.10	1.50			0.460			109031
38.10	1.63	1 1/2"	16 SWG	0.506	5-0059		001274
38.10	2.03	1 1/2"	14 SWG	0.630	5-0142	TU 03801	012774
38.10	2.64	1 1/2"	12 SWG	0.800	5-0275	TU 03803	040495
38.10	3.25	1 1/2"	10 SWG	0.960	5-0047	5-0334	002213
38.10	4.76	1 1/2"	3/16"	1.351	5-0457		020574
38.10	6.35	1 1/2"	1/4"	1.716	5-0145		002282
38.10	12.70	1 1/2"	1/2"	2.746	5-0504		
40.00	1.50			0.490	5-0129		040498
40.00	1.75			0.570	5-0493		
40.00	2.00			0.650	3-0258	TU 04002	040499
40.00	3.00			0.945	5-0132		040500
40.00	4.00			1.226	201453		
40.00	5.00			1.490	5-0231		013981
40.00	10.00			2.464	5-0413		
41.27	1.63	1 5/8"	16 SWG	0.550	5-0122		109032
41.27	1.63	1 5/8"	16 SWG	0.550			032281

ROUND TUBE



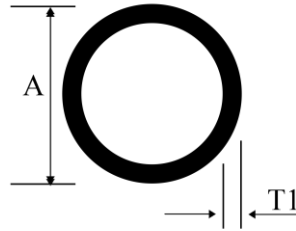
Metric dimensions		Imperial dimensions		kg/m	Die reference		
A	T1	A	T1				
41.28	3.25	1 5/8"	10 SWG	1.057	5-0196		001280
41.28	4.76	1 5/8"	3/16"	1.480	5-0157		040503
41.28	6.35	1 5/8"	1/4"	1.900	5-0093		
42.00	1.50			0.520	3-0497		
42.00	3.00			0.996	5-0472		
42.16	3.45			1.140	5-0278		
42.16	3.56			1.169		RH2399	
42.16	5.20			1.640	3-0504		
42.50	3.00			1.009	5-0579		
43.00	3.66			1.230			040506
44.40	2.00			0.722		TU 04407	
44.45	1.63	1 3/4"	1/16"	0.595	5-0103		004491
44.45	2.03	1 3/4"	14 SWG	0.740	5-0260		009621
44.45	3.25	1 3/4"	10 SWG	1.140	5-0168	TU 04402	001930
44.45	4.75	1 3/4"	3/16"	1.610	3-0388		040507
44.45	6.35	1 3/4"	1/4"	2.060	5-0256		040508
44.45	9.53	1 3/4"		2.835	006566		
44.45	11.11	1 3/4"		3.154			040740
44.45	13.50	1 3/4"		3.557			
45.00	1.50			0.550			040510

ROUND TUBE



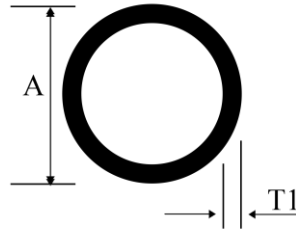
Metric dimensions		Imperial dimensions		kg/m	Die reference		
A	T1	A	T1				
45.00	2.00			0.730	5-0296		
45.00	3.00			1.070	5-0418		
45.00	4.00			1.400	5-0402		
45.36	2.03			0.750			
46.00	4.00			1.430			040818
46.03	2.03			0.760	5-0543		
46.20	2.90			1.069	5-0445		
46.20	4.00			1.437	5-0485		
46.37	3.25			1.228			207934
45.80	1.65			0.626		069612	
46.75	4.00			1.450			
47.21	4.52			1.647		070106	
47.63	3.25	1 7/8"	10 SWG	1.228	5-0463	TU 04701	207934
48.00	2.00			0.784	5-0450		040517
48.00	3.00			1.149	5-0506		014141
48.00	3.00			1.149	5-0486		
48.25	3.70			1.403	5-0055		
48.26	2.64			1.025	5-0087		040518
48.30	3.00			1.157	5-0471		
48.30	4.05			1.526	5-0503		040743
48.30	4.47			1.668	5-0213		
48.30	6.00			2.161	5-0548		
48.41	2.95			1.142	5-0520		

ROUND TUBE



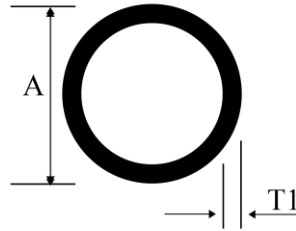
Metric dimensions		Imperial dimensions		kg/m	Die reference		
A	T1	A	T1				
48.41	4.47			1.672		TU 196	14853
48.41	5.03			1.858	5-0542		
48.90	4.95			1.866		TU 04901	
50.00	1.50			0.620	5-0318		006911
50.00	2.00			0.820	5-0133	TU 05014	040520
50.00	2.50			1.010	5-0352		
50.00	3.00			1.210	5-0073		040521
50.00	3.50			1.390	5-0291		
50.00	5.00			1.920	5-0160		
50.00	6.00			2.288			104933
50.00	10.00			3.405	5-0550		
50.60	2.00			0.828	5-0588		
50.80	1.50			0.630	5-0551		
50.80	1.60	2"	1/16"	0.653		095608	208008
50.80	1.63	2"	1/16"	0.682			001706
50.80	1.65	2"	16 SWG	0.690	5-0003		
50.80	2.05	2"	14 SWG	0.850	5-0014	TU05004	001597
50.80	2.64	2"	12 SWG	1.080	5-0440		
50.80	3.25	2"	10 SWG	1.320	5-0031		001508
50.80	4.00			1.590			040844

ROUND TUBE



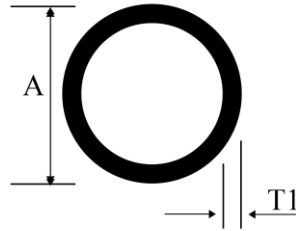
Metric dimensions		Imperial dimensions		kg/m	Die reference		
A	T1	A	T1				
50.80	4.76	2"	3/16"	1.870	5-0188		010421
50.80	6.35	2"	1/4"	2.420	5-0040		002028
50.80	9.53	2"	3/8"	3.350	5-0510		
50.80	12.70	2"	1/2"	4.120	5-0511		
52.00	1.50			0.650	5-0002		
53.35	3.83			1.615		TU 05302	
54.00	2.00			0.885	5-0465		
55.00	2.25			1.010	5-0147		
55.00	4.00			1.740	5-0076		
55.00	5.00			2.128	203749		
55.56	2.03	2 3/16"	14 SWG	0.925	3-0149		
57.15	1.22	2 1/4"	18 SWG	0.580			110991
57.15	1.63	2 1/4"	16 SWG	0.770	5-0175		040533
57.15	2.64	2 1/4"	12 SWG	1.225	5-0553		
57.15	3.25	2 1/4"	10 SWG	1.500	5-0052	TU 05706	040535
57.15	6.35	2 1/4"	1/4"	2.760	5-0158		040536
57.15	9.53	2 1/4"	3/8"	3.880	5-0192		040537
57.15	12.70	2 1/4"	1/2"	4.792	001078		
60.00	1.50			0.750	5-0215		040538

ROUND TUBE



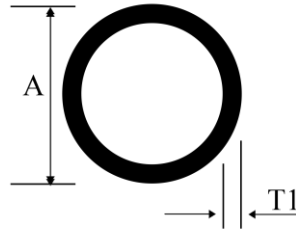
Metric dimensions		Imperial dimensions		kg/m	Die reference		
A	T1	A	T1				
60.00	3.00			1.460	5-0085		040540
60.00	5.00			2.350	5-0302		040542
60.00	7.50			3.360	5-0183		
60.00	10.00			4.270	5-0303		
60.33	2.03	2 3/8"	14 SWG	1.008			040545
60.33	3.91			1.878	5-0211		
60.33	4.76	2 3/8"	3/16"	2.252	5-0565		
60.33	14.29			5.620			040547
61.00	4.00			1.941	5-0577		
62.00	2.00		14 SWG	1.030	5-0255		
63.00	1.50			0.780			110694
63.00	3.00			1.540	5-0232		
63.25	1.22			0.650			110577
63.50	1.63	2 1/2"	16 SWG	0.859	5-0033		001279
63.50	1.63	2 1/2"	16 SWG	0.859			109033
63.50	2.03	2 1/2"	14 SWG	1.062		TU 06304	
63.50	2.11	2 1/2"		1.097		095762	
63.50	2.33	2 1/2"	13 SWG	1.210			040907
63.50	2.65	2 1/2"	12 SWG	1.380	3-0163		040551
63.50	3.00	2 1/2"		1.545		TU 06305	

ROUND TUBE



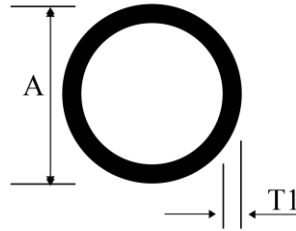
Metric dimensions		Imperial dimensions		kg/m	Die reference		
A	T1	A	T1				
63.50	3.25	2 1/2"	10 SWG	1.667	5-0170		
63.50	3.25	2 1/2"	10 SWG	1.667			016668
63.50	4.76	2 1/2"	3/16"	2.390	5-0104		040552
63.50	6.35	2 1/2"	1/4"	3.100	5-0092	TU 06301	010424
63.50	7.62	2 1/2"		3.625	5-0443		
63.50	9.53	2 1/2"	3/8"	4.379	5-0432		040554
63.50	12.70	2 1/2"	1/2"	5.493	5-0534		
63.50	19.05	2 1/2"	3/4"	7.215	038357		
64.50	1.40			0.750			109152
65.00	1.63			0.880	105962		
65.00	10.00			4.683	5-0384		
68.00	6.00			3.180	3-0405		
69.85	1.65	2 3/4"	16 SWG	0.960	5-0064		040560
69.85	3.25	2 3/4"	10 SWG	1.850	5-0163		040561
69.85	6.35	2 3/4"	1/4"	3.433	5-0544		
69.85	9.53	2 3/4"	3/8"	4.913	19434		
69.85	12.70	2 3/4"	1/2"	6.200	5-0065		
70.00	1.50			0.875		087678	
70.00	3.00			1.711		TU 07003	
70.00	5.00			2.767	5-0268		
73.00	1.62	2 7/8"	16 SWG	0.990	5-0095		

ROUND TUBE



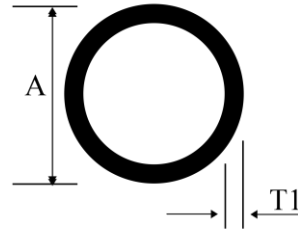
Metric dimensions		Imperial dimensions		kg/m	Die reference		
A	T1	A	T1				
75.00	3.00			1.840	5-0370		040565
75.00	4.00			2.420	5-0086		
75.00	5.00			2.990	5-0281		
75.00	15.00			7.662	5-0311		
76.00	3.00			1.850			040837
76.20	1.22	3"	18 SWG	0.779	RH1969		
76.20	1.63	3"	1/16"	1.036	095028		001278
76.20	1.65	3"	16 SWG	1.050	5-0027		001278
76.20	2.03	3"	14 SWG	1.282		TU 07603	
76.20	2.64	3"	12 SWG	1.660	5-0159		
76.20	3.25	3"	10 SWG	2.030	5-0037	TU 07602	001891
76.20	4.00			2.460			040881
76.20	4.76	3"	3/16"	2.895	5-0266	TU 07606	040833
76.20	6.35	3"	1/4"	3.776	5-0114	001327	002471
76.20	7.94	3"	5/16"	4.614	5-0591		
76.20	9.52	3"	3/8"	5.400	5-0495		
76.20	12.70	3"	1/2"	6.870	5-0430		
76.20	19.05	3"	3/4"	9.270	5-0434		040571
76.20	38.10			1.176	5-0576		
80.00	5.00			3.200	5-0386		006785
80.00	10.00			5.960	5-0362		040573

ROUND TUBE



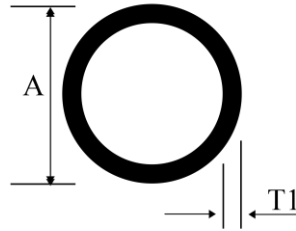
Metric dimensions		Imperial dimensions		kg/m	Die reference		
A	T1	A	T1				
82.00	13.00			7.637		TU 08201	
82.55	1.63	3 1/4"	16 SWG	1.123			020707
82.55	2.64		12 SWG	1.830			040915
82.55	3.25	3 1/4"	10 SWG	2.194	5-0194		
82.55	12.70	3 1/4"	1/2"	7.580	5-0197		
88.90	1.50			1.134	205080		
88.90	1.63	3 1/2"	16 SWG	1.211	5-0008		008207
88.90	3.25	3 1/2"	10 SWG	2.380	5-0124		018284
88.90	5.49			3.899	5-0098		
88.90	6.35	3 1/2"	1/4"	4.463	5-0067		002070
88.90	7.62	3 1/2"		5.273	5-0599		
88.90	12.70	3 1/2"	1/2"	8.240	5-0508		207997
90.00	2.00			1.500	5-0490		
90.00	2.50			1.860	5-0414		
90.00	3.00			2.220	5-0428		040579
90.00	5.00			3.630	5-0082		
90.00	10.00			6.811	5-0598		
93.00	1.45			1.130			110578
95.00	2.50			1.980	3-0684		
95.25	4.78			3.682		TU 09501	

ROUND TUBE



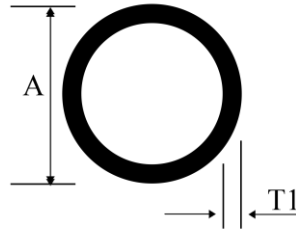
Metric dimensions		Imperial dimensions		kg/m	Die reference		
A	T1	A	T1				
95.25	9.53	3 3/4"	3/8"	6.988	5-0538		
98.00	1.50			1.232	5-0557		
100.00	3.00			2.480	5-0453		040584
100.00	5.00			4.060	5-0283		011391
100.00	6.00			4.810	5-0063		
100.00	7.50			5.906	5-0526		
100.00	8.00			6.266	5-0600		
100.00	10.00			7.662	5-0375		
101.60	1.20	4"		1.026	200345		
101.60	1.60	4"	16 SWG	1.362	5-0204	ANS118	
101.60	1.60	4"	16 SWG	1.362		004288	
101.60	2.64	4"	12 SWG	2.230	5-0156	TU10104	040587
101.60	3.25	4"	10 SWG	2.730	5-0212	TU 10101	014050
101.60	6.35	4"	1/4"	5.149	5-0115		010525
101.60	9.53	4"	3/8"	7.470	5-0431		040588
101.60	12.70	4"	1/2"	9.612	5-0435		040589
101.60	19.05	4"	3/4"	13.388	204576		
105.00	2.00			1.760	5-0407		
105.10	1.75			1.560	3-0002		
107.95	3.25	4 1/4"	10 SWG	2.910	3-0474		

ROUND TUBE



Metric dimensions		Imperial dimensions		kg/m	Die reference		
A	T1	A	T1				
107.95	6.35	4 1/4"	1/4"	5.493	5-0262		
110.00	3.00			2.740	5-0286		
110.00	5.00			4.469	5-0288		040595
110.00	10.00			8.514	5-0602		
114.30	3.05	4 1/2"	0.12"	2.889	5-0069	007196	
114.30	3.25	4 1/2"	10 SWG	3.080	5-0138		040597
114.30	4.47	4 1/2"	7 SWG	4.190	5-0181		
114.30	6.35	4 1/2"	1/4"	5.860	5-0015		040599
114.30	9.53	4 1/2"	3/8"	8.507	B95069		
116.00	2.20			2.131	203637		
120.00	3.00			2.988	5-0379		
120.00	5.00			4.910	5-0189		
120.00	10.00			9.365	200629		
125.00	2.50			2.607	5-0425		
125.00	10.00			9.791	5-0393		
127.00	2.65	5"	12 SWG	2.806	5-0080		
127.00	3.25	5"	10 SWG	3.424	5-0172		040605
127.00	6.35	5"	1/4"	6.527	L38355		040786
127.00	9.53	5"	3/8"	9.531	5-0427		040606
130.00	3.00			3.244	5-0408		

ROUND TUBE



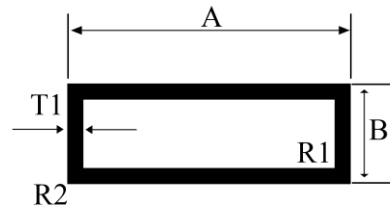
Metric dimensions		Imperial dimensions		kg/m	Die reference		
A	T1	A	T1				
133.00	3.00			3.320	5-0404		
140.00	3.00			3.486			112660
140.00	4.00			4.631	5-0410		040610
140.00	5.00			5.747	5-0385		040611
150.00	3.80			4.712	040782		
150.00	5.00			6.172	204458		
150.00	10.00			11.919	206157		
152.40	2.50			3.191			039053
152.40	2.75			3.500	5-0448		
152.40	3.25	6"	10 SWG	4.127	5-0336		040613
152.40	6.35	6"	1/4"	7.896	5-0337		040614
152.40	9.53			11.592	070278		
165.00	5.00			6.811	5-0411		
165.10	6.35	6 1/2"	1/4"	8.589	070170		114692
168.30	3.40			4.756		HY040783	

* 6063 alloy only

RECTANGULAR TUBE

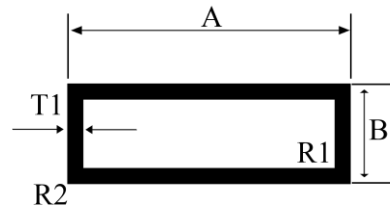


RECTANGULAR TUBE



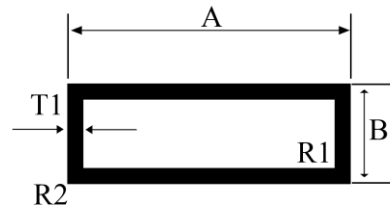
Metric dimensions					Imperial dimensions					kg/m	Die reference		
A	B	T1	R1	R2	A	B	T1	R1	R2				
20.00	10.00	1.50	1.50	1.00						0.222	5-0584		
25.00	15.00	1.50	1.50	1.50						0.301	5-0127		
25.00	15.00	2.00								0.390	5-0306		018978
25.00	20.00	3.00								0.634		RTU 02503	
25.40	12.70	1.59			1"	1/2"	1/16"			0.296	072610		
30.00	15.00	2.00								0.446	5-0412		040664
30.00	20.00	1.50	0.40	0.40						0.380	5-0081		
30.00	20.00	1.50								0.382			009425
30.00	20.00	2.00		1.00						0.500	5-0235		
30.00	20.00	2.00								0.499		RTU 03002	006666
38.10	19.05	1.63			1 1/2"	3/4"	16 SWG			0.476	5-0571		035203
38.10	19.05	3.18								0.875			003287
38.10	19.05	3.25			1 1/2"	3/4"	10 SWG			0.892	5-0502		
38.10	25.40	1.63			1 1/2"	1"	16 SWG			0.530	5-0195		006503
38.10	25.40	3.25			1 1/2"	1"	10 SWG			1.010	5-0155		040836
40.00	13.00	1.50								0.410			
40.00	20.00	1.50								0.462		RTU 04001	017040
40.00	20.00	2.00								0.610	5-0225	RTU 04003	111114
40.00	20.00	2.00	0.50	3.00						0.587			040765
40.00	20.00	2.00	2.00	3.00						0.600			040885

RECTANGULAR TUBE



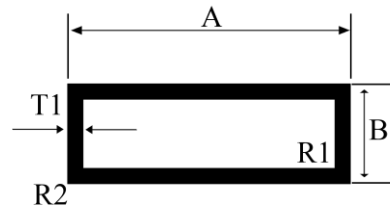
Metric dimensions					Imperial dimensions					kg/m	Die reference		
A	B	T1	R1	R2	A	B	T1	R1	R2				
40.00	20.00	2.00	2.00	4.00						0.579			104994
40.00	20.00	2.90								0.850			040854
40.00	20.00	3.00								0.880	5-0226		
40.00	25.00	2.00								0.660	5-0134		040671
40.00	25.00	3.00								0.959	5-0444		
40.00	30.00	2.00	3.00	5.00						0.680	3-0532		040674
40.00	30.00	2.00								0.718	5-0397		
40.00	30.00	3.00								1.044	5-0399		
41.30	22.23	2.03	6.35	8.38						0.611	039806		
45.00	20.00	1.80								0.597		RTU 04501	
45.00	25.00	2.00								0.715	207776		
50.00	15.00	2.00		2.00						0.650	5-0227		
50.00	20.00	1.50								0.545	5-0372		
50.00	20.00	2.00								0.720	5-0233		
50.00	25.00	1.50						0.50	2.00	0.580			109545
50.00	25.00	2.00								0.770	5-0246		040679
50.00	25.00	3.00								1.123	5-0365	RTU 05009	
50.00	25.00	3.00								1.122			115897
50.00	25.00	3.00								1.122			010071
50.00	30.00	2.00								0.830	5-0088		

RECTANGULAR TUBE



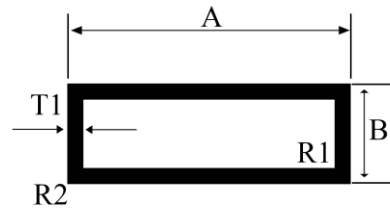
Metric dimensions					Imperial dimensions					kg/m	Die reference		
A	B	T1	R1	R2	A	B	T1	R1	R2				
50.00	30.00	2.50								1.020	5-0089		
50.00	30.00	3.00								1.203	5-0356		006709
50.00	30.00	4.00								1.560			
50.00	40.00	2.00	1.00	3.00						0.914	5-0371		
50.00	40.00	2.50								1.112			040685
50.00	40.00	2.50	2.50	5.00						1.112	5-0419		
50.80	25.40	1.59			2"	1"	1/16"			0.630		B51986	
50.80	25.40	3.17			2"	1"	1/8"			1.200		RTU 05001	040846
50.80	25.40	3.20		3.20	2"	1"	1/8"			1.190	5-0596		
50.80	25.40	3.25			2"	1"	10 SWG			1.228	5-0066	5-0333	002319
50.80	25.40	3.25	2.00	5.00						1.210			040862
50.80	25.40	6.35			2"	1"	1/4"			2.185	202230		
50.80	38.10	2.64	1.58	3.18	2"	1 1/2"	12 SWG	1/16"	1/8"	1.180	5-0209		
50.80	38.10	3.25			2"	1 1/2"	10 SWG			1.460	5-0116		040688
50.80	38.10	3.25			2"	1 1/2"	10 SWG			1.460			040824
54.25	19.05	1.57		3.18						0.579			007694
58.00	30.00	3.50	5.00	5.00						1.537	5-0513		
60.00	25.00	2.00	1.00							0.880	5-0049		
60.00	25.00	3.00								1.285	5-0351		006787
60.00	30.00	2.00								0.932	5-0394		

RECTANGULAR TUBE



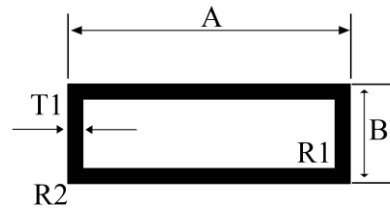
Metric dimensions					Imperial dimensions					kg/m	Die reference		
A	B	T1	R1	R2	A	B	T1	R1	R2				
60.00	30.00	3.00								1.366	5-0380		040691
60.00	40.00	2.00		1.50						1.041	5-0563		
60.00	40.00	2.00								1.041	5-0358		040692
60.00	40.00	2.50	0.50	2.00						1.279	5-0433		040693
60.00	40.00	2.50								1.287	5-0084		109028
60.00	40.00	3.00								1.530	5-0257		040694
60.00	40.00	4.00								2.000	5-0224		
63.40	38.10	3.25								1.670			040868
63.50	25.40	3.25			2 1/2"	1"	10 SWG			1.451			035285
63.50	28.58	1.63	3.15	4.78	2 1/2"	1 1/8"	1/16"	1/8"	3/16"	0.750	036532		
63.50	31.75	2.11	0.89	3.00						1.023	073927		
63.50	31.75	3.18			2 1/2"	1 1/4"	1/8"			1.531			107660
63.50	38.10	3.25			2 1/2"	1 1/2"	10 SWG			1.675	5-0468		
70.00	40.00	2.00								1.150	063305		
70.00	40.00	3.00								1.700	5-0313		
70.00	40.00	5.00								2.710	5-0367		
70.00	50.00	2.00								1.260	5-0314		
75.00	25.00	2.00								1.041	5-0320		
75.00	50.00	5.00								3.130	5-0276		
76.20	25.40	3.18			3"	1"	1/8"			1.642		RTU 07605	032285

RECTANGULAR TUBE



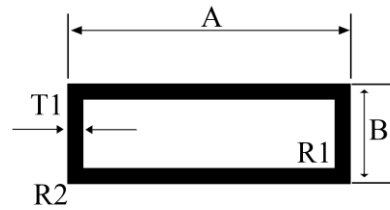
Metric dimensions					Imperial dimensions					kg/m	Die reference		
A	B	T1	R1	R2	A	B	T1	R1	R2				
76.20	25.40	3.25			3"	1"	10 SWG			1.680	5-0169		
76.20	38.10	2.03			3"	1 1/2"	14 SWG			1.220	5-0154		
76.20	38.10	2.03		2.00						1.210			113511
76.20	38.10	2.64	1.58	3.18	3"	1 1/2"	12 SWG	1/16"	1/8"	1.550	5-0150		
76.20	38.10	3.25	1.58	3.18	3"	1 1/2"	10 SWG	1/16"	1/8"	1.890	3-0177		
76.20	38.10	3.25			3"	1 1/2"	10 SWG			1.900	5-0062		040703
76.20	44.45	3.25			3"	1 3/4"	10 SWG			2.020	5-0218		040704
76.20	50.80	3.18			3"	2"	1/8"			2.079		RTU 07602	
76.20	50.80	3.25	1.00	2.50	3"	2"				2.120	5-0149		
76.20	50.80	3.25			3"	2"	10 SWG			2.130	5-0117		011399
76.20	50.80	4.06	1.58	3.18	3"	2"				2.608	003140		
76.20	50.80	4.75	2.39	5.56	3"	2"	3/16"			2.968	107387		
76.20	50.80	6.35			3"	2"	1/4"			3.934	5-0494		
80.00	20.00	2.00								1.044	5-0403		
80.00	40.00	2.00								1.257	5-0416		040706
80.00	40.00	2.50	1.00							1.570	5-0292		
80.00	40.00	3.00								1.854			040803
80.00	40.00	4.00								2.428	5-0228		
80.00	60.00	4.00								2.862	5-0338		040708
100.00	25.00	1.20	1.30	2.50						0.787	5-0585		

RECTANGULAR TUBE



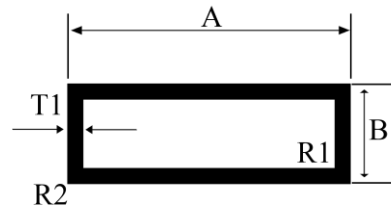
Metric dimensions					Imperial dimensions					kg/m	Die reference		
A	B	T1	R1	R2	A	B	T1	R1	R2				
100.0 0	25.00	2.00								1.320	5-0321	RTU 10003	028360
100.0 0	26.00	3.00								1.960	5-0186		
100.0 0	40.00	4.00								2.870	5-0305		
100.0 0	45.00	2.00								1.528	5-0460		028356
100.0 0	45.00	2.50								1.900	5-0206	RTU 10001	010327
100.0 0	50.00	2.00								1.583	5-0398		040714
100.0 0	50.00	2.50								1.965	5-0417		
100.0 0	50.00	3.00								2.350	5-0214		040716
100.0 0	50.00	4.00								3.079	5-0300		040717
100.0 0	50.00	5.00								3.794	5-0272		
100.0 0	60.00	6.30								5.033	RH2029		
100.0 0	50.00	6.40								4.759	5-0273		040719
100.0 0	50.00	8.00								5.810	200604		
100.0 0	60.00	3.00	1	3.00						2.480			211064
100.0 0	75.00	1.80								1.670			040866
100.0 0	75.00	2.00								1.854		RTU 10002	
101.6 0	25.40	3.18			4"	1"	1/8"			2.076	5-0505		
101.6 0	25.40	3.25			4"	1"	10 SWG			2.123	5-0151		040720
101.6 0	38.10	3.18			4"	1 1/2"	1/8"			2.298	5-0540		
101.6 0	44.45	2.67			4"	1 3/4"				2.039		XSF 148	

RECTANGULAR TUBE



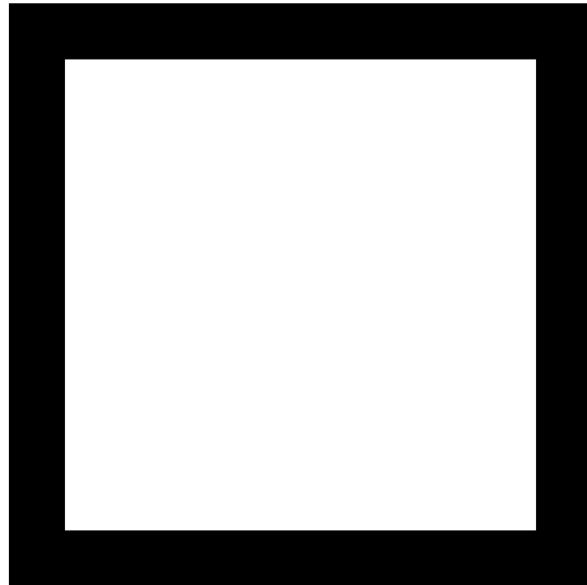
Metric dimensions					Imperial dimensions					kg/m	Die reference		
A	B	T1	R1	R2	A	B	T1	R1	R2				
101.6 0	44.45	3.18			4"	1 3/4"	1/8"			2.406	3-0018	XSF 101	003045
101.6 0	50.80	3.18			4"	2"	1/8"			2.517	5-0541		003794
101.6 0	50.80	3.25			4"	2"	10 SWG			2.580	5-0072		040822
101.6 0	50.80	3.25	1.75	5						2.519	5-0516		
101.6 0	50.80	6.35	6.35		4"	2"	1/4"	1/4"		4.902	3-0596	B66599	032282
101.6 0	76.20	2.03			4"	3"	14 SWG			1.912	5-0459		040895
101.6 0	76.20	3.25	6.35	9.60	4"	3"	10 SWG			2.896	5-0546		
101.6 0	76.20	3.25			4"	3"	10 SWG			3.017			100945
101.9 0	76.20	1.98		0.50						1.868	5-0593		
114.3 0	44.45	3.25			4 1/2"	1 3/4"	10 SWG			2.682	6-0290		
115.0 0	24.00	2.00		1.50						1.460	3-0318		
120.0 0	40.00	2.00								1.691	5-0470		
120.0 0	60.00	3.00								2.829	5-0342		040724
120.0 0	60.00	4.00								3.710	5-0130		040725
120.0 0	80.00	2.00								2.125	5-0569		
120.0 0	80.00	6.75								6.823	5-0446		209978
127.0 0	28.57	2.67								2.174		RTU 12701	
127.0 0	44.45	3.18			5"	1 3/4"	10 SWG			2.835	TR500		
127.0 0	50.80	6.35			5"	2"	1/4"			5.681	H26844		
140.0 0	80.00	4.00								4.596	5-0539		
150.0 0	50.00	2.00								2.132	5-0406		040728

RECTANGULAR TUBE

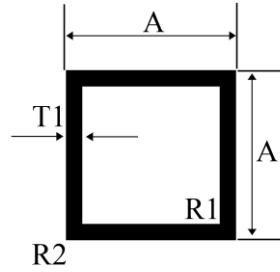


Metric dimensions					Imperial dimensions					kg/m	Die reference		
A	B	T1	R1	R2	A	B	T1	R1	R2				
150.0 0	50.00	4.00								4.168	5-0343		
150.0 0	50.80	2.50								2.655	114387		
152.4 0	44.45	3.25			6"	1 3/4"	10 SWG			3.353	5-0347		040730
152.4 0	50.80	3.18			6"	2"	1/8"			3.393	5-0345		
152.4 0	50.80	3.25			6"	2"	10 SWG			3.465	5-0420	RTU 15202	040732
152.4 0	50.80	6.35			6"	2"	1/4"			6.556	5-0346		040733
152.4 0	76.20	9.53			6"	3"	3/8"			10.823	207579		040791
170.0 0	50.00	3.00						1.00	1.00	3.48			209020
180.0 0	50.00	4.00								4.813	5-0409		040735
180.0 0	70.00	4.50		4.00						5.821			114667
200.0 0	45.00	3.00								3.889	5-0341		040736
235.0 0	68.00	4.00		2.00						6.387	206019		

SQUARE TUBE

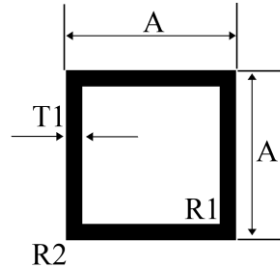


SQUARE TUBE



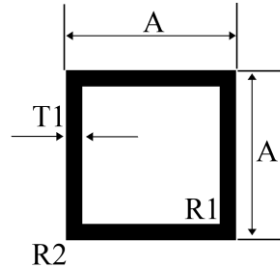
Metric dimensions				Imperial dimensions				kg/m	Die reference		
A	T1	R1	R2	A	T1	R1	R2				
12.70	1.63			1/2"	16 SWG			0.200	5-0164	5-0567	001857
15.88	1.63			5/8"	16 SWG			0.252			034100
15.88	2.50							0.360			040876
19.05	1.59			3/4"	16 SWG			0.298			001264
19.05	1.63		1.59	3/4"	16 SWG		1/16"	0.310	3-0416		001576
19.05	1.63			3/4"	16 SWG			0.310	5-0050		
19.05	2.03		1.59					0.369	074354		
19.05	3.18		3.00	3/4"	1/8"			0.524		STU 01903	
19.05	3.18			3/4"	1/8"			0.547	5-0535		
19.05	3.25				10 SWG			0.557			033952
20.00	1.00	0.75	0.50					0.206	5-0583		
20.00	1.50							0.300	5-0308		
20.00	2.00	1.50	0.75					0.394	5-0582		
20.00	2.00							0.390	5-0377		006933
22.00	2.50		0.50					0.526	5-0587		
25.00	1.50							0.382	5-0139		040617
25.00	2.00							0.500	5-0091	STU 02508	040618
25.00	3.00							0.715	5-0454	STU 02507	040619
25.40	1.22			1"	18 SWG			0.320			001520
25.40	1.55			1"				0.400			040899

SQUARE TUBE



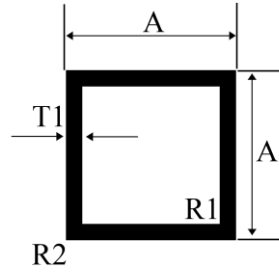
Metric dimensions				Imperial dimensions				kg/m	Die reference		
A	T1	R1	R2	A	T1	R1	R2				
25.40	1.63		1.27					0.402			010267
25.40	1.65		1.59	1	16 SWG		1/16"	0.410	3-0417		001386
25.40	1.63		1.63	1"	1/16"		1/16"	0.416		STU 02501	
25.40	1.63			1"	1/16"			0.422	5-0112		
25.40	1.63	1.55	3.18	1"	1/16"			0.420			002013
25.40	1.65		2.00	1"				0.410	5-0061		
25.40	2.03	4.32	6.35	1"				0.464	042709		
25.40	2.64			1"	12 SWG			0.650	5-0210		040620
25.40	2.65	1.50	1.50	1"				0.660	5-0010		
25.40	3.17			1"	1/8"			0.764	5-0507		
25.40	3.18		3.00	1"	1/8"			0.745	5-0573		
25.40	3.25	1.50	1.50	1"				0.780	5-0005		
25.40	3.25	1.75	5.00	1"				0.730	5-0474		
25.40	3.25			1"	10 SWG			0.780	5-0111	5-0330	040621
26.40	1.65		2.00					0.434	5-0252		
28.58	1.63		2.54					0.463			001885
30.00	1.50							0.463			040848
30.00	2.00		2.00					0.600	5-0234		
30.00	2.00							0.610	5-0090	STU 03001	010121
30.00	2.90							0.850			040853

SQUARE TUBE



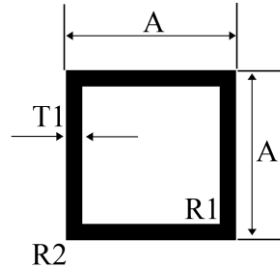
Metric dimensions				Imperial dimensions				kg/m	Die reference		
A	T1	R1	R2	A	T1	R1	R2				
30.00	3.00		2.00					0.869	5-0436		040625
30.00	3.00							0.878	5-0247		
30.00	4.00							1.127	5-0424		
31.00	2.00	2.00	2.00					0.620			040875
31.75	1.63		1.50					0.534			004595
31.75	1.63		2.00					0.530	3-0305		
31.75	1.63			1 1/4"	16 SWG			0.532	5-0165		005310
31.75	2.64	0.50	1.59					0.800			040883
31.75	2.65	1.50	3.00					0.820	5-0006		
31.74	3.18	1.00	4.18					0.947	202162		
31.75	3.18			1 1/4"	10 SWG			0.984	5-0497		003044
31.75	3.25	1.00						1.006	5-0039		
31.75	3.25		1.60	1 1/4"	1/8"		1/16"	0.998	5-0429		
32.00	2.00	2.00	4.00					0.623		STU 03201	
35.00	2.00							0.720	5-0297		040627
38.10	1.63	1.00	2.64					0.631	5-0359		
38.10	1.63	1.40	3.00					0.628			103513
38.10	1.63		2.00	1 1/2"				0.635	5-0328		022859
38.10	1.63			1 1/2"	16 SWG			0.644	5-0118	STU 03804	008730
38.10	2.03	1.60	3.61	1 1/2"				0.770		047309	
38.10	2.03		2.00	1 1/2"				0.784	5-0327		

SQUARE TUBE



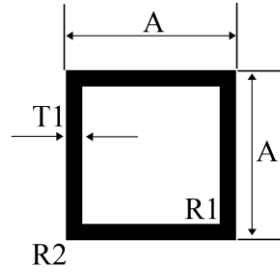
Metric dimensions				Imperial dimensions				kg/m	Die reference		
A	T1	R1	R2	A	T1	R1	R2				
38.10	2.65	2.00	3.00	1 1/2"				1.007	5-0007		
38.10	2.90		2.00	1 1/2"				1.097		003787	
38.10	3.18			1 1/2"	1/8"			1.204	5-0514		002270
38.10	3.18		1.63	1 1/2"	1/8"		1/16"	1.200			
38.10	3.18		3.18					1.173			003914
38.10	3.25		5.00					1.177			017432
38.10	3.25	1.75	5.00	1 1/2"				1.228	5-0533		
38.10	3.25		3.25	1 1/2"	1/8"		1/8"	1.207	000439		
38.10	3.25			1 1/2"	10 SWG			1.228	5-0119		002270
40.00	1.85	1.00	2.00					0.758	207102		
40.00	2.00	1.00	3.00					0.805	5-0280		
40.00	2.00		2.00					0.815	5-0555		
40.00	2.00							0.824	5-0034	STU 04003	013969
40.00	2.50		3.00					0.990			040860
40.00	2.50		2.50					1.020	5-0556		
40.00	2.50							1.020	5-0357	STU 04007	
40.00	3.00		0.50					1.203		STU 04001	
40.00	3.00							1.203	5-0353	STU 04008	040630
40.00	4.00	1.55	1.55					1.570	5-0136	055205	055205
40.00	4.00							1.561	5-0223		

SQUARE TUBE



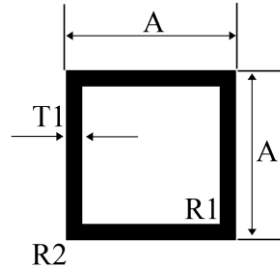
Metric dimensions				Imperial dimensions				kg/m	Die reference		
A	T1	R1	R2	A	T1	R1	R2				
43.00	4.00	0.64	0.64					1.692	072867		
44.45	2.50			1 3/4"				1.110			040888
44.45	3.18			1 3/4"	1/8"			1.423	5-0043	STU 04401	011759
44.45	3.25			1 3/4"	10 SWG			1.480			040852
45.00	1.65							0.780			040633
45.00	2.00							0.932	5-0322	STU 04501	
45.00	2.50							1.130			010326
50.00	1.50							0.789	216936		
50.00	2.00	4.00	6.00					1.000	3-0440		
50.00	2.00							1.041		STU 05011	040820
50.00	2.50		2.50					1.273	5-0282		040637
50.00	2.50							1.287	5-0315	STU 05012	
50.00	3.00							1.528	5-0364	STU 05009	010068
50.00	4.00	1.00	5.00					1.950	3-0533		
50.00	4.00	2.00	4.00					1.967		STU 05007	
50.00	4.00							1.995	5-0219		040639
50.00	5.00							2.439		STU 05006	113059
50.00	5.00	1.00	5.00					2.383	206688		
50.80	1.63			2"	16 SWG			0.870	5-0051	STU 05004	011400
50.80	2.64	0.75	0.75	2"	12 SWG			1.378	5-0439		040641

SQUARE TUBE



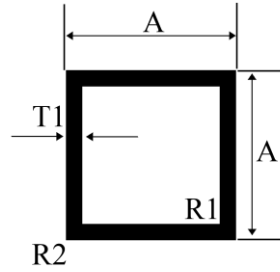
Metric dimensions				Imperial dimensions				kg/m	Die reference		
A	T1	R1	R2	A	T1	R1	R2				
50.80	3.00		3.00	2"				1.534			040843
50.80	3.17	0.63	0.63	2"				1.637	5-0560		040841
50.80	3.18	3.80	1.50	2"	1/8"			1.670	3-0938		
50.80	3.18			2"	1/8"			1.642	5-0575		002611
50.80	3.25	1.59	1.59	2"	1/8"	1/16"	1/16"	1.675	5-0245		
50.80	3.25	1.75	5.00	2"	1/8"			1.624	5-0531		017433
50.80	3.25			2"	10 SWG			1.675	5-0077		040821
50.80	4.76			2"	3/16"			2.380	5-0251		
50.80	6.35			2"	1/4"			3.060	5-0501		040741
60.00	2.00	4.00	6.00					1.211			110692
60.00	3.00							1.860	5-0360		
60.00	4.00							2.437	5-0361		040642
60.00	4.00	5.00	5.00					2.440	5-0267		040643
60.00	5.00							2.981	205232		
63.50	2.64	0.75	0.75					1.742	5-0438		040644
63.50	3.18							2.076			001268
63.50	3.25			2 1/2"	10 SWG			2.130	5-0180	STU 06301	
63.50	4.76			2 1/2"	3/16"			3.031			040772
65.00	2.50							1.694		STU 06502	
70.00	4.00	0.5	0.5					2.862	208044		

SQUARE TUBE



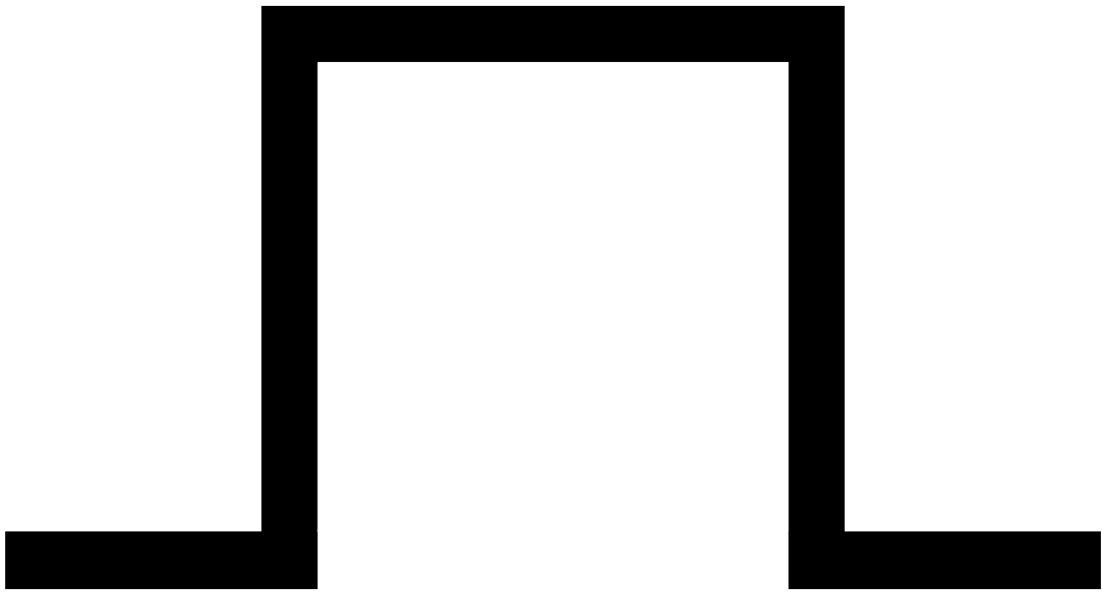
Metric dimensions				Imperial dimensions				kg/m	Die reference		
A	T1	R1	R2	A	T1	R1	R2				
70.00	4.00	5.00	5.00					2.870	5-0270		
70.00	6.00							4.166	H63982		
72.24	1.98	0.50	0.50					1.510			040897
75.00	1.60							1.273		STU 07501	
76.20	1.60							1.320			040835
76.20	1.63			3"	1/16"			1.320	5-0469		
76.20	2.00			3"				1.609		STU 07603	
76.20	2.64	0.75	0.75	3"				2.105	5-0437		040647
76.20	3.00	6.50	9.50	3"				2.280	3-0316		
76.20	3.17		0.38	3"				2.510		STU 07601	
76.20	3.18			3"	1/8"			2.520	5-0113		
76.20	3.17		4.76	3"				2.462			015991
76.20	3.25			3"	10 SWG			2.570	5-0348		040909
76.20	3.25			3"	10 SWG			2.570			020576
76.20	4.76	6.35	6.35	3"	3/16"	1/4"	1/4"	3.770	3-0452		040650
76.20	6.35			3"	1/4"			4.808	5-0263	STU 07602	040651
80.00	3.00							2.504	5-0354		040652
80.00	4.00							3.308	5-0400		
80.00	5.00							4.065	5-0578		
80.00	6.00							4.813	5-0458		

SQUARE TUBE

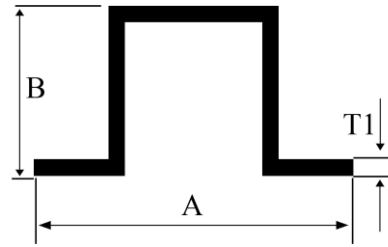


Metric dimensions				Imperial dimensions				kg/m	Die reference		
A	T1	R1	R2	A	T1	R1	R2				
100.00	2.00							2.125	5-0586		040914
100.00	2.20							2.332	5-0455		040655
100.00	3.00							3.154	5-0323		
100.00	3.00	1.00	1.00					3.154			040656
100.00	4.00							4.163	5-0350		
100.00	5.00	1.50	5.00					5.096	5-0549		
100.00	5.00							5.150	5-0509		
100.00	5.00	6.35	6.35					5.149			040816
101.60	1.95			4"				2.106	RH2223		
101.60	2.00			4"				2.167	092356		
101.60	2.67			4"				2.863	5-0580		
101.60	3.25			4"	10 SWG			3.465	5-0349		040660
101.60	6.35			4"	1/4"			6.556	5-0500		040742
101.90	2.50	1.50	4.00					2.660	5-0594		
120.00	5.00							6.233	5-0558		209977
127.00	6.35							8.305	202300		
140.00	5.00	2.00	4.00					7.289			040805
150.00	3.00							4.784	108761		040778
152.40	6.35			6"	1/4"			10.061	109188		

TOP HAT

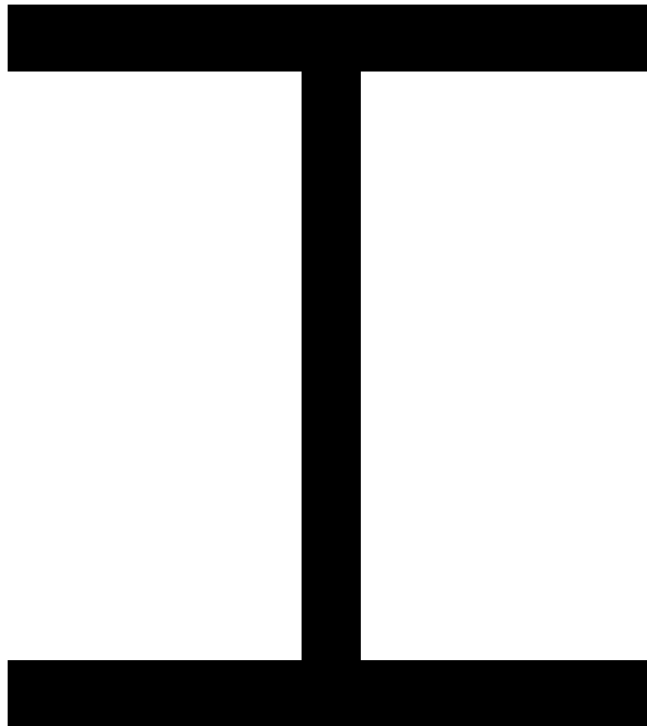


TOP HAT

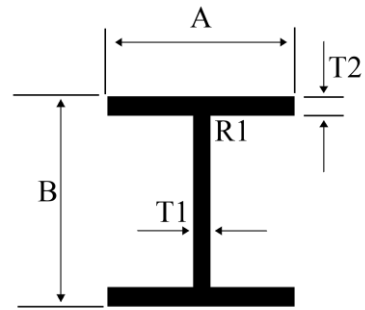


Metric dimensions				Imperial dimensions				kg/m	Die reference		
A	B	C	T1	A	B	C	T1				
50.80	15.87	25.40	1.50					0.307			043594
50.80	15.88	25.40	1.63	2"	5/8"	1"	1/16"	0.333	5-0031	TH 05001	
55.56	22.23	25.40	2.03			1"		0.530	4-0635		110737
57.20	14.10	31.80	1.40					0.313			002087
63.50	31.75	25.40	2.30	2 1/2"	1 1/4"	1"		0.760	4-0130		
63.50	31.75	25.40	2.36	2 1/2"	1 1/4"	1"		0.730	4-0497		
63.50	31.75	25.40	3.18	2 1/2"	1 1/4"	1"	1/8"	1.040		TH 06301	
69.85	31.75	31.75	1.59	2 3/4"	1 1/4"	1 1/4"	1/16"	0.569	4-0322	TH 06901	040788
74.60	24.76	38.10	1.90					0.570	4-0498		
76.20	31.75	31.75	3.18	3"	1 1/4"	1 1/4"	1/8"	1.180	4-0323		
76.20	31.75	38.10	2.20	3"	1 1/4"	1 1/2"		0.737		TH 07609	
76.20	31.75	38.10	2.36	3"	1 1/4"	1 1/2"		0.777	4-0129	TH 07604	040829
76.20	31.75	38.10	3.05	3"	1 1/4"	1 1/2"		0.992	4-0391		
76.20	31.75	38.10	3.81	3"	1 1/4"	1 1/2"		1.040	4-0146		
76.20	44.45	38.10	2.54					1.157		TH 07605	
82.55	31.75	47.63	3.18		1 1/4"			1.230			040879
88.90	31.80	44.40	3.20					1.262	Q02207		
100.00	16.00	54.00	3.00					0.939	075198		
101.60	50.80	50.80	4.76	4"	2"	2"	3/16"	2.519	4-1225		
111.10	28.58	66.68	3.00					1.250			106537
111.12	28.57	66.67	3.17					1.420			040893
114.30	19.06	63.50	3.96					1.550	1-1808		

I BEAM



I BEAM

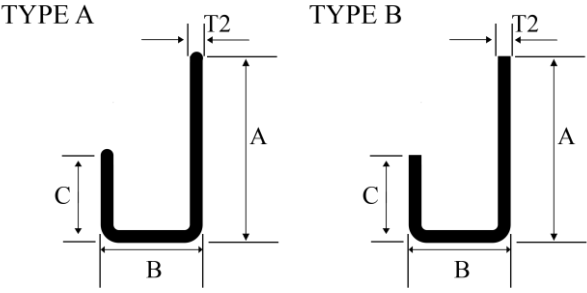


Metric dimensions					Imperial dimensions					kg/m	Die reference	
A	B	T1	T2	R1	A	B	T1	T2	R1			
19.84	12.70	1.57	1.57							0.210	07409 4	
20.00	10.00	1.50	1.50							0.191	07228 7	
28.57	22.00	3.00	2.00							0.456	1-1305	
32.00	25.00	2.50	2.50							0.570	06842 5	
38.10	76.20	6.35	4.76	6.35						2.230	01015 2	
44.45	31.75	3.18	3.18		1 3/4"	1 1/4"	1/8"	1/8"		0.985	2-9033	
46.48	55.88	2.54	2.54							0.990	4-1243	
50.00	100.00	3.50	5.00							2.206	20364 7	
50.80	76.20	6.50	6.50	3.00						2.924	4-1021	
76.20	76.20	4.75	6.35		3"	3"	3/16"	1/4"		3.450	4-0390	
76.20	101.60	6.35	7.92	5.08						4.807	4-1247	000745
76.20	127.00	6.35	9.52	9.40						5.992	4-1287	
76.20	152.40	7.94	9.53		3"	6"		3/8"		6.803	4-1273	
76.20	203.20	7.15	10.40	9.52						7.894		040809
100.00	100.00	5.00	5.00	1.00						3.931	20364 4	
127.00	76.20	9.53	6.35		5"	3"	3/8"	1/4"		6.003	B5573 1	
152.40	76.20	6.35	9.53	9.40						6.055		L11911

J SECTION

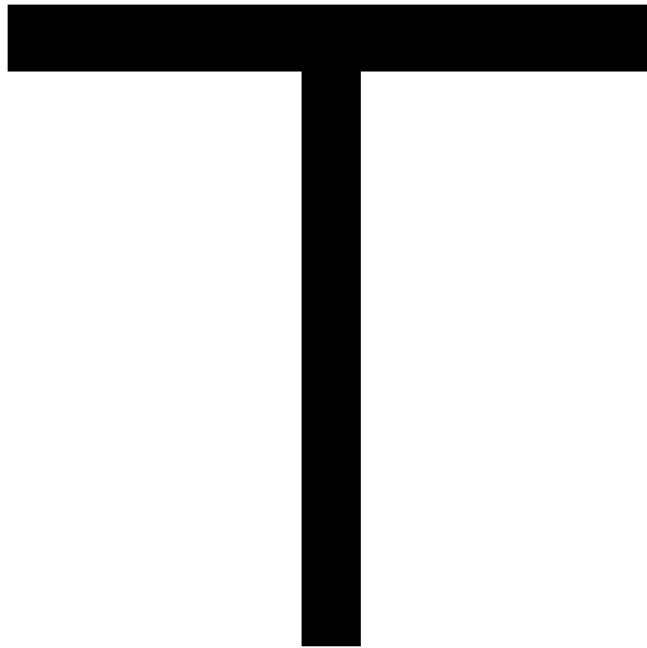


J SECTION

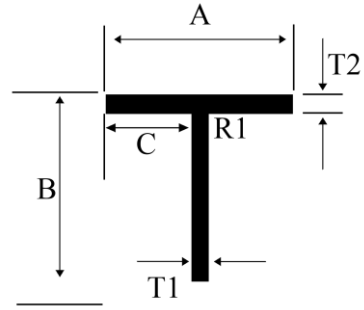


TYPE	Metric dimensions				Imperial dimensions				kg/m	Die reference	
	A	B	C	T1	A	B	C	T1			
A	23.81	12.30	7.14	1.42					0.136	074625	
B	25.40	12.70	7.14	1.59					0.161	4-0333	
B	25.40	12.70	11.91	1.63	1"	1/2"	15/32"	1/16"	0.186	GUT 02505	001172
B	26.97	16.00	11.99	1.50					0.186		
A	38.10	15.87	19.05	1.57	1 1/2"	5/8"	3/4"	1/16"	0.271	GUT 03804	
B	38.10	15.88	19.05	1.59					0.275	073117	

T SECTION

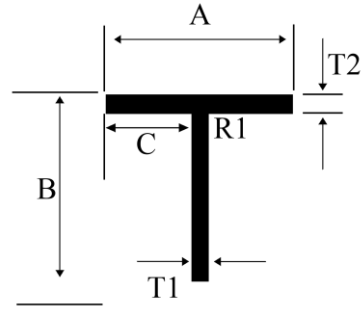


T SECTION



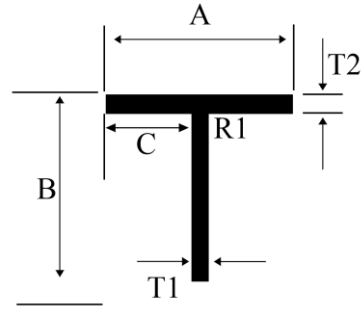
Metric dimensions					Imperial dimensions					kg/m	Die reference			
A	B	C	T1	T2	R1	A	B	T1	T2	R1				
12.70	12.70		1.59	1.59		1/2"	1/2"	1/16"	1/16"		0.103	4-0726		
19.05	19.05		1.59	1.59		3/4"	3/4"	1/16"	1/16"		0.16	4-0599	TE 01905	
19.05	19.05		3.18	3.18		3/4"	3/4"	1/8"	1/8"		0.301	4-0248	TE 01901	002364
22.00	22.00		3.18	3.18		7/8"	7/8"	1/8"	1/8"		0.36	4-0381		
22.23	22.23		3.18	3.18		7/8"	7/8"	1/8"	1/8"		0.356		TE 02201	
25.00	25.00		3.00	3.00							0.38	4-0704		
25.40	11.91		2.39	2.39	2.39						0.22	071515		
25.40	12.70		1.60	1.60	0.50	1"	1/2"	1/16"	1/16"		0.16	4-0172		
25.40	25.40		1.58	1.58		1"	1"	1/16"	1/16"		0.21	4-0356	TE 02502	004446
25.40	25.40		3.18	3.18		1"	1"	1/8"	1/8"		0.41	4-0249	TE 02501	001251
25.40	50.80		3.18	3.18		1"	2"	1/8"	1/8"		0.63	4-0558		040435
30.00	30.00		2.00	2.00							0.314	4-0801		
30.00	30.00		3.00	3.00							0.47		TE 03002	
31.75	31.75		3.15	3.15		1 1/4"	1 1/4"				0.51	4-0119		
31.75	31.75		3.18	3.18		1 1/4"	1 1/4"	1/8"	1/8"		0.52		TE 03103	002360
31.75	31.75		4.75	4.75		1 1/4"	1 1/4"	3/16"	3/16"		0.76	4-0357		
31.75	31.75		6.35	6.35		1 1/4"	1 1/4"	1/4"	1/4"		0.99	4-0120		
38.10	38.10		1.75	1.75							0.352			007789
38.10	38.10		3.18	3.18		1 1/2"	1 1/2"	1/8"	1/8"		0.629	4-0121	TE 03801	001252

T SECTION



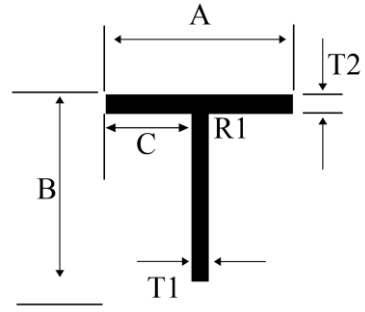
Metric dimensions						Imperial dimensions					kg/m	Die reference		
A	B	C	T1	T2	R1	A	B	T1	T2	R1				
38.10	38.10		4.76	4.76		1 1/2"	1 1/2"	3/16"	3/16"		0.922	4-0122		003086
38.10	38.10		6.35	6.35		1 1/2"	1 1/2"	1/4"	1/4"		1.210	4-0123	TE 03802	001352
40.00	40.00		2.00	2.00							0.423	4-0802		
40.00	40.00		4.00	4.00							0.824			
40.00	40.00		5.00	5.00							1.016	4-0875		
50.00	38.00		5.00	5.00							1.125	4-1263		
50.00	50.00		2.00	2.00							0.530			107850
50.00	50.00		3.00	3.00							0.789	4-0805		
50.00	50.00		5.00	5.00							1.290	4-0668		
50.00	60.00		4.00	4.00	2.00						1.154			022646
50.00	76.00		8.00	8.00	6.00						2.595	007057		
50.00	80.00		5.00	5.00							1.700	4-0618		
50.00	100.00		5.00	5.00							1.964	203148		
50.00	100.00		6.00	8.00							2.561	206800		
50.00	100.00		8.00	8.00							3.079	4-1023		
50.00	150.00		5.00	5.00							2.642	213350		
50.00	150.00		10.00	5.00							3.323			
50.80	25.40		1.59	1.59		2"	1"	1/16"	1/16"		0.32	4-0581		011821
50.80	25.40		3.18	3.18		2"	1"	1/8"	1/8"		0.63	4-0334		002394
50.80	25.40		4.76	4.76		2"	1"	3/16"	3/16"		0.912		TS 158	

T SECTION



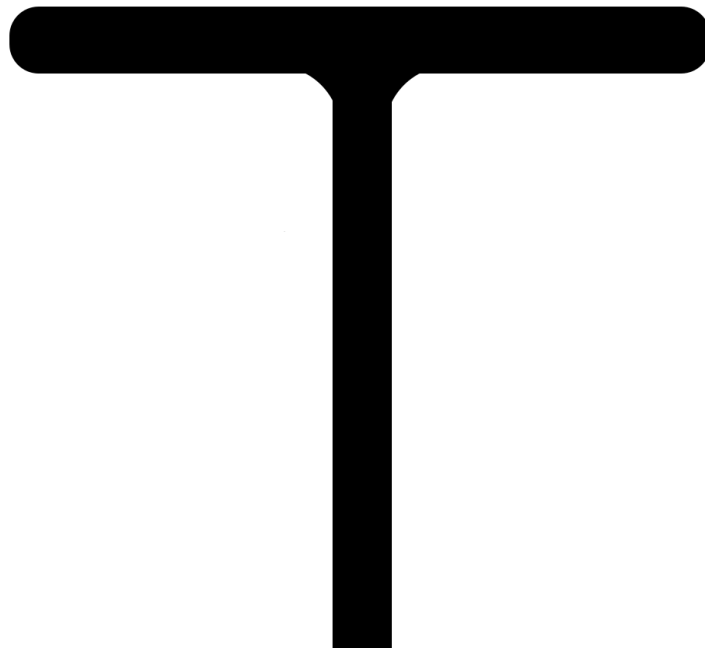
Metric dimensions						Imperial dimensions					kg/m	Die reference		
A	B	C	T1	T2	R1	A	B	T1	T2	R1				
50.80	38.10		3.18	3.18		2"	1 1/2"	1/8"	1/8"		0.739	4-0907		
50.80	50.80		3.18	3.18		2"	2"	1/8"	1/8"		0.848	4-0314	TE 05003	002590
50.80	50.80		4.76	4.76		2"	2"	3/16"	3/16"		1.25	4-0441		040446
50.80	50.80		6.35	6.35		2"	2"	1/4"	1/4"		1.65	4-0124		001366
50.80	101.60	6.35	6.35	6.35		2"	4"	1/4"	1/4"		2.56	4-1239		
60.00	60.00		3.00	3.00							0.951	4-0867		
60.00	60.00		6.00	6.00							1.854	4-0879		
63.50	63.50		6.35	6.35		2 1/2"	2 1/2"	1/4"	1/4"		2.076	4-0300		040448
63.50	78.65		7.95	7.95	6.35	2 1/2"			1/4"		2.854	B49618		
65.00	100.00		8.00	10.00							3.787	4-1122		
75.00	150.00		8.00	10.00							5.068	4-0708		
76.20	25.40		3.18	3.18		3"	1"	1/8"	1/8"		0.848		TE 07602	
76.20	76.20		6.35	6.35		3"	3"	1/4"	1/4"		2.520	4-0125		003537
76.20	76.20		9.52	9.52		3"	3"	3/8"	3/8"		3.689	B73681		
76.20	101.60		6.35	6.35		3"	4"	1/4"	1/4"		2.950	4-1045		
80.00	80.00		8.00	8.00		3 1/8"	3 1/8"	5/16"	5/16"		3.295	4-0806		
80.00	120.00		8.00	8.00							4.162	207103		
88.90	88.90		6.35	6.35		3 1/2"		1/4"	1/4"		2.950			
101.60	50.80	6.35	6.35	6.35		4"	2"	1/4"	1/4"		2.56		TE 10101	
101.60	76.20	8.38	7.95	7.95		4"	3"	5/16"	5/16"		3.741	4-1216		

T SECTION

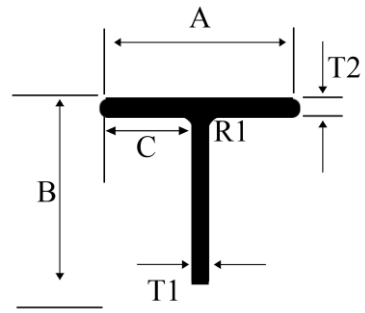


Metric dimensions					Imperial dimensions					kg/m	Die reference		
A	B	C	T1	T2	R1	A	B	T1	T2	R1			
101.6 0	76.20		6.35	6.35		4"	3"	1/4"	1/4"		2.963	00120 0	
101.6 0	101.6 0		6.35	6.35		4"	4"	1/4"	1/4"		3.390	00109 2	
101.6 0	101.6 0		9.53	9.53		4"	4"	3/8"	3/8"		5.002	4- 1082	
116.0 0	60.00	6	5.00								2.473		
120.0 0	120.0 0			8.00							5.03	4- 1124	
150.0 0	50.00	5									2.642		

T SECTION ROUNDED HEAD



T SECTION (ROUND)

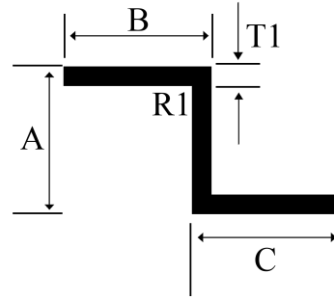


Metric dimensions						Imperial dimensions					kg/m	Die reference		
A	B	C	T1	T2	R1	A	B	T1	T2	R1				
30.00	50.00	12.5	5.00	5.00	4						1.02	2-9002		
75.00	150.00	33.5	8.00	8.00	8						4.742	2-9514		
80.00	120.00	36	8.00	8.00	8						4.199	2-7799		

Z SECTION



Z SECTION

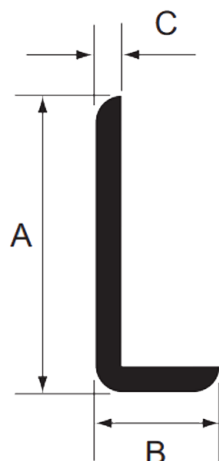


Metric dimensions					Imperial dimensions					kg/m	Die reference	
A	B	C	T1	R1	A	B	C	T1	R1			
9.53	19.05	19.05	3.18		3/8"	3/4"	3/4"	1/8"		0.356	4-1249	
19.05	19.05	19.05	3.18		3/4"	3/4"	3/4"	1/8"		0.438	4-1192	
25.00	25.00	25.00	3.00							0.569	4-1188	
25.40	19.05	19.05	2.38	3.18	1	3/4"	3/4"	3/32"	1/8"	0.381		051826
25.40	19.05	19.05	3.18		1"	3/4"	3/4"	1/8"		0.491		ZED 02501
29.37	19.05	19.05	3.18			3/4"	3/4"			0.470	4-0166	
31.75	25.40	25.40	3.18		1 1/4"	1"	1"	1/8"		0.656	4-1219	ZED 03108
31.75	25.40	25.40	3.18		1 1/4"	1"	1"	1/8"		0.668		001106
31.76	25.40	25.40			1 1/4"	1"	1"	1/8"		0.670	4-0489	
34.93	22.23	31.75	3.18		1 3/8"	7/8"	1 1/4"	1/8"		0.664	4-0636	
38.10	19.05	19.05	3.18		1 1/2"	3/4"	3/4"	1/8"		0.603		ZED 03802
38.10	25.40	25.40	3.17		1 1/2"	1"	1"	1/8"		0.718	4-1227	
44.45	25.40	25.40	3.18		1 3/4"	1"	1"	1/8"		0.770	4-0389	040814

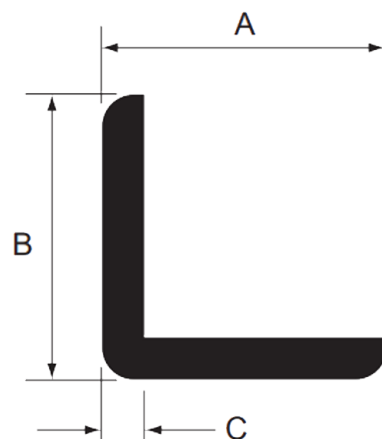
CORNER MOULDINGS



Type A

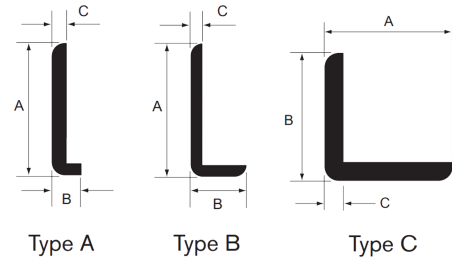


Type B



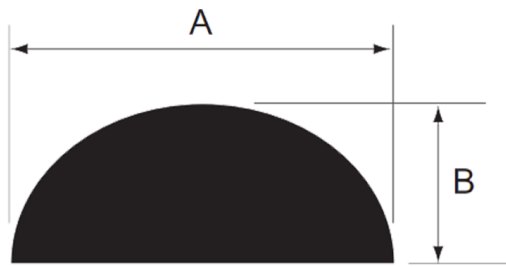
Type C

CORNER MOULDINGS

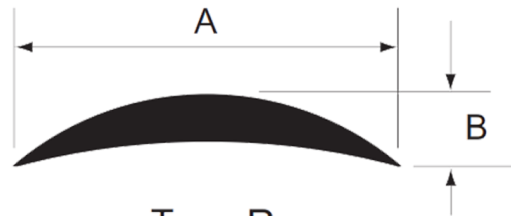


TYPE	Metric dimensions			Imperial dimensions			kg/m	Die reference
	A	B	C	A	B	C		
A	25.40	4.75	3.18	1"	3/16"	1/8"	0.221	071807
C	25.40	25.40	2.39	1"	1"		0.304	071806
A	31.75	6.35	2.38	1 1/4"	1/4"		0.282	B73115
B	31.75	6.35	3.58	1 1/4"	1/4"		0.311	CM 03101

HALF ROUND MOULDINGS

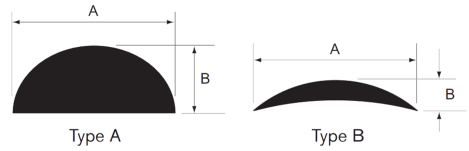


Type A



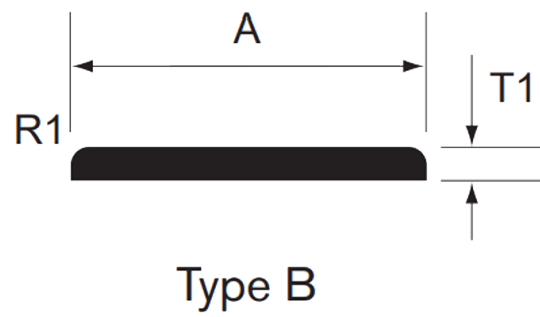
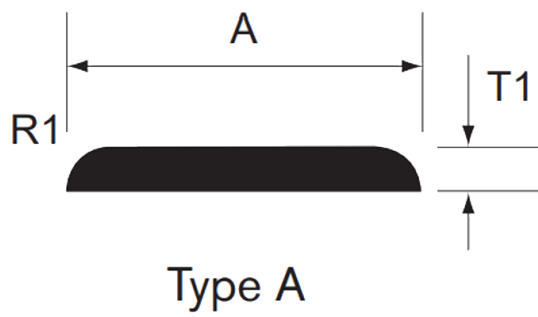
Type B

HALF ROUND MOULDINGS

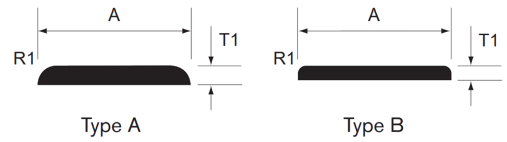


TYPE	Metric dimensions		Imperial dimensions		kg/m	Die reference		
	A	B	A	B				
B	15.88	4.75	5/8"	3/16"	0.128	4-1184		
B	19.05	4.77			0.150			001179
B	25.40	4.76	1"	3/16"	0.159	006329		001178
B	25.40	5.50	1"		0.221	4-0319		
A	25.40	6.35	1"	1/4"	0.305		HR 02502	
A	31.75	4.76	1 1/4"		0.255		HR03102	
B	31.75	4.75	1 1/4"	3/16"	0.204	040238		
B	38.10	4.75	1 1/2"	3/16"	0.250	040072		
B	50.50	3.00			0.250		HR 05003	
B	50.80	6.32	2"	1/4"	0.462	073141		004987

FLAT MOULDINGS

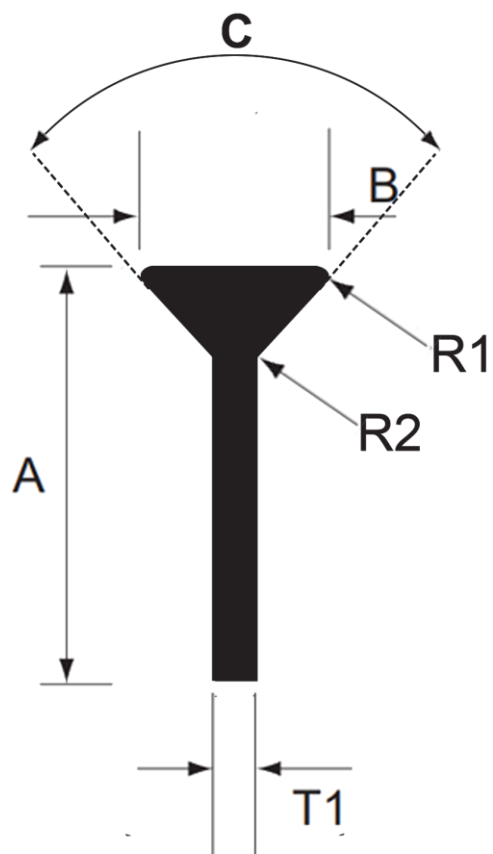


FLAT MOULDINGS

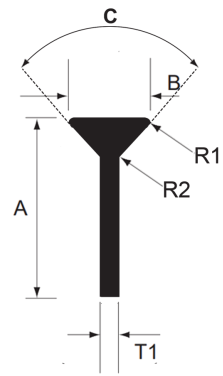


TYPE	Metric dimensions			Imperial dimensions			kg/m	Die reference	
	A	T1	R1	A	T1	R1			
A	19.05	3.18	3.18	3/4"	1/8"	1/8"	0.152	FMR 01904	
A	25.40	3.18	3.18	1"	1/8"	1/8"	0.207	4-0141	
B	25.40	3.18	3.18	1"	1/8"	1/8"	0.207	037380	
B	31.75	3.18	3.18	1 1/4"	1/8"	1/8"	0.264	071183	
A	31.80	3.18	3.18				0.262	FMR 03102	
B	38.10	3.18	1.59	1 1/2"	1/8"		0.325	FMR 03801	
A	38.10	3.18	1.60	1 1/2"	1/8"	1/16"	0.329	006527	
	50.80	3.18	3.18				0.426	4-0044	
B	76.20	3.18	2.38	3"	1/8"		0.650		004974

BULB SECTION DOUBLE HEAD

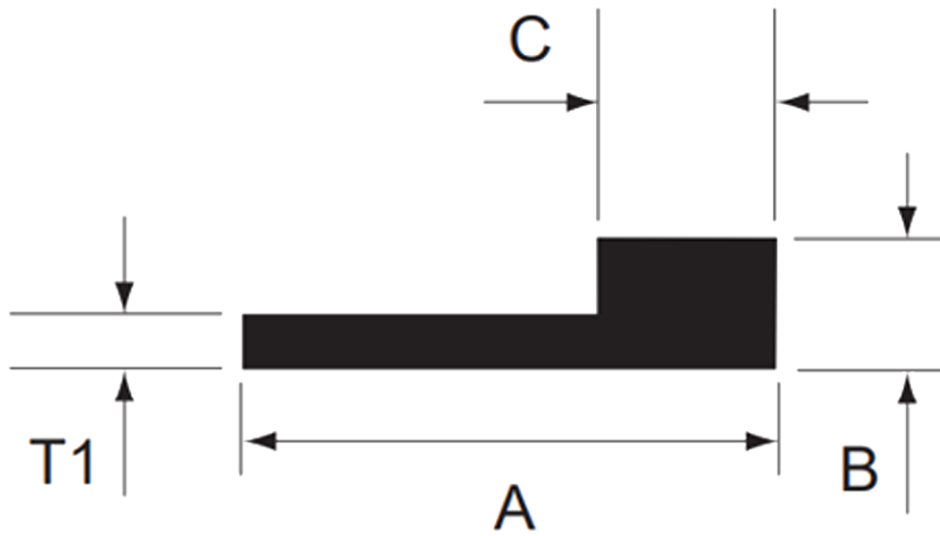


BULB SECTION DOUBLE HEAD

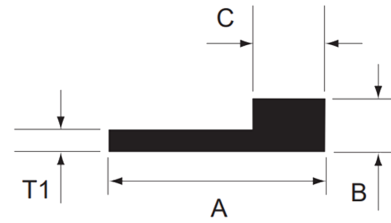


Metric dimensions							kg/m	Die reference	
A	B	C	T1	R1	R2				
40.00	17.50	90 degree	4.00	3.5	3			0.724	2 - 9 0 0 5
55.00	20.00	90 degree	7.00	6	9			1.420	2 - 9 0 0 6
55.00	20.00	110 degree	5.00	5	5			1.131	2 0 1 5 8 7

BULB SECTION SQUARE

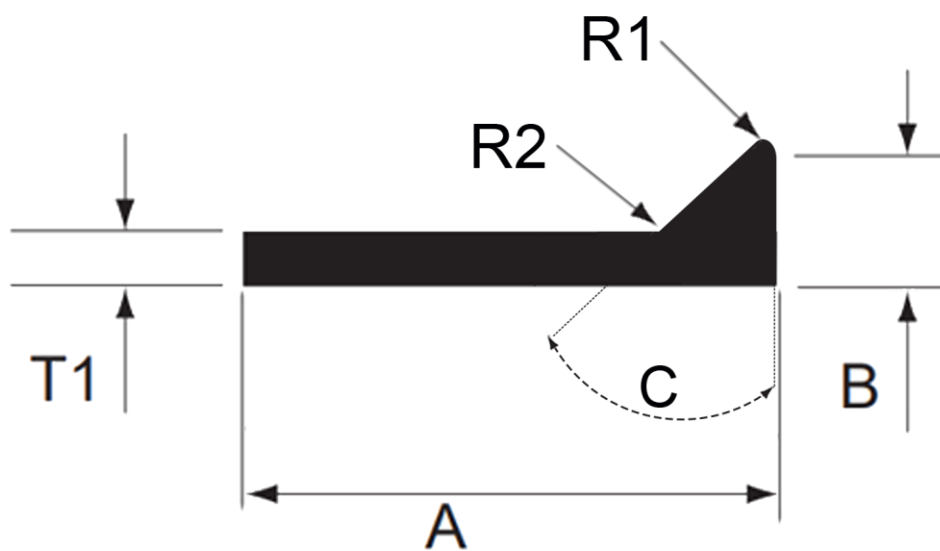


BULB SECTION SQUARE

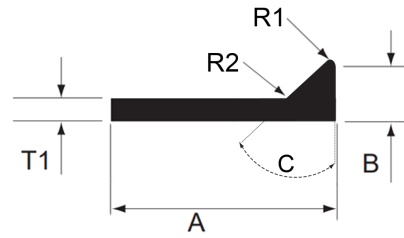


Metric dimensions								kg/m	Die reference
A	B	C	T1	R1	R2		Type		
45.00	11.50	8.00	4.00	2.00	0.50		A	0.643	2 - 3 6 6 6
50.00	15.00	12.00	3.00	0.50	4.00		A	0.805	2 - 5 2 6 3
60.00	15.00	11.00	5.00	2.00	0.50		A	1.104	2 - 3 6 6 8
60.00	20.00	10.00	5.00	1.50	3.50		A	1.222	4-1275
65.00	18.50	15.00	3.50	1.00	4.00		B	1.233	205604
75.00	21.00	17.00	4.00	2.00	4.00		A	1.598	4-1276
85.00	20.00	15.00	5.00	0.50	2.00		A	1.754	2-3669
85.00	24.00	19.00	5.00	1.00	4.00		A	2.136	205605
90.00	22.30	17.70	4.50	3.00	4.50		A	1.952	2 - 7 1 5 5
100.00	27.00	22.00	5.00	2.00	5.00		A	2.674	4-1277
120.00	29.00	24.00	5.00	1.00	5.00		A	3.062	4-1282
120.00	32.00	27.00	5.00	2.00	5.00		A	2.609	4-1278
160.00	40.50	34.00	6.50	2.00	6.00		A	5.969	4-1279
180.00	47.00	40.00	7.00	1.00	5.00		A	7.748	207363

BULB SECTION ROUND



BULB SECTION ROUND



Metric dimensions								kg/m	Die reference
A	B	C	T1	R1	R2		Type		
60.00	20.00	30 degree	6.00	3.50	3.50		A	1.247	2-3497
60.00	25.00	23 degree	3.50	3.00	8.00		B	1.123	203646
75.00	25.00	23 degree	4.00	3.00	8.00		B	1.347	203645
80.00	23.00	35 degree	8.00	5.00	5.00		A	2.240	2-8487
100.00	20.00	30 degree	8.00	4.00	2.00		A	2.473	209193
100.00	21.00	30 degree	4.20	4.00	4.00		A	1.770	2-7228
100.00	22.00	30 degree	6.00	5	10		A	2.158	209191

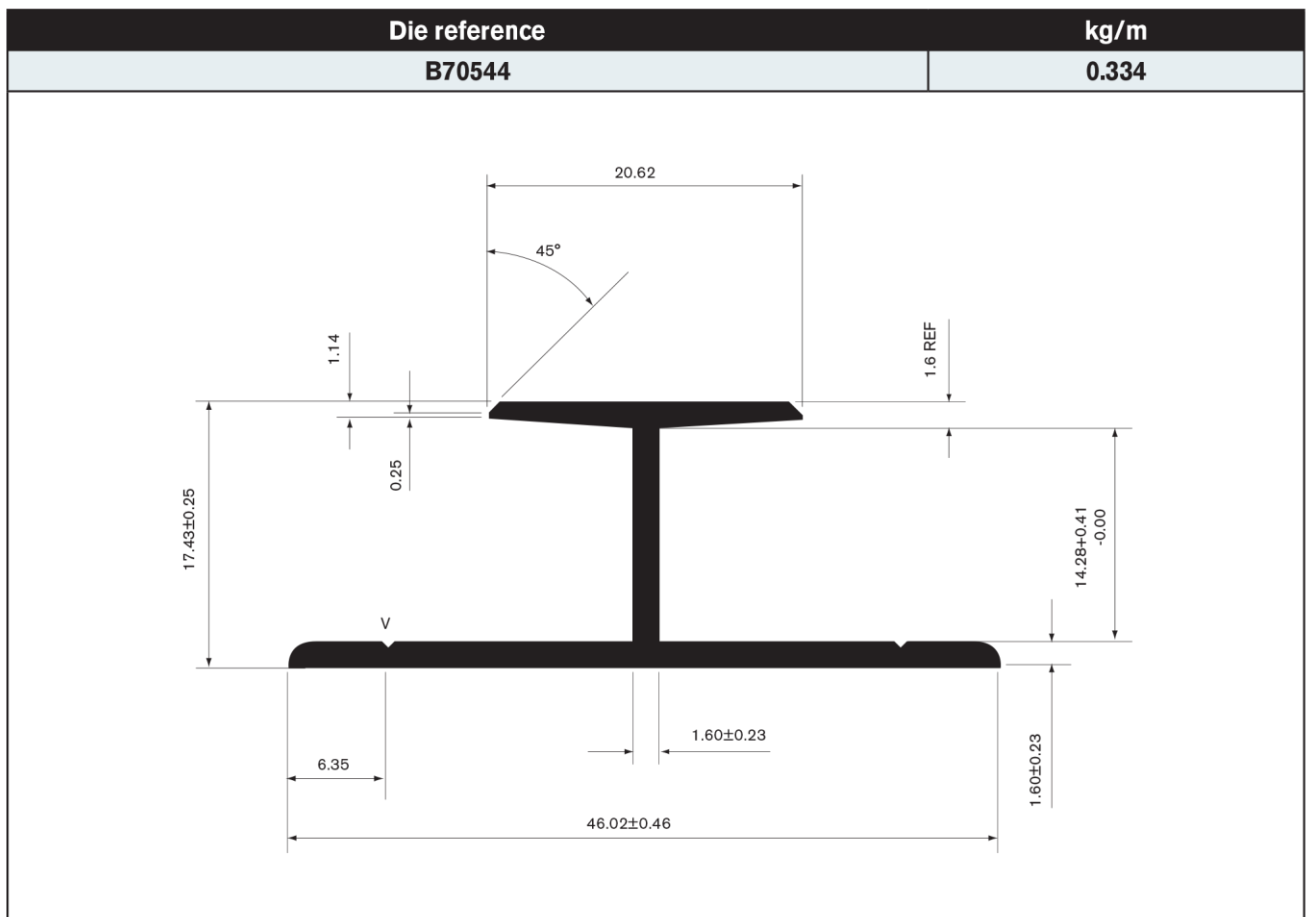
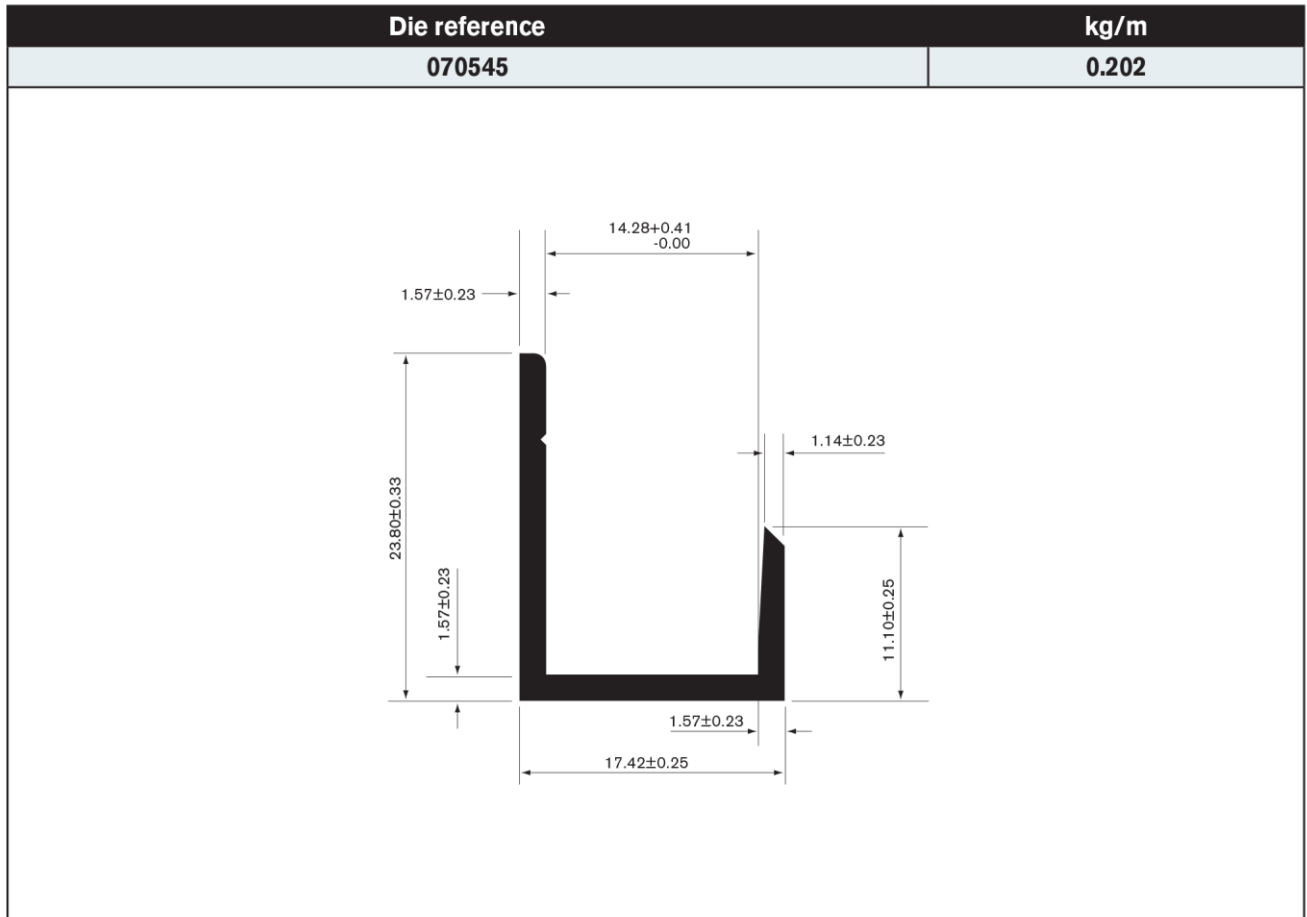
Die reference	kg/m
072371	0.102

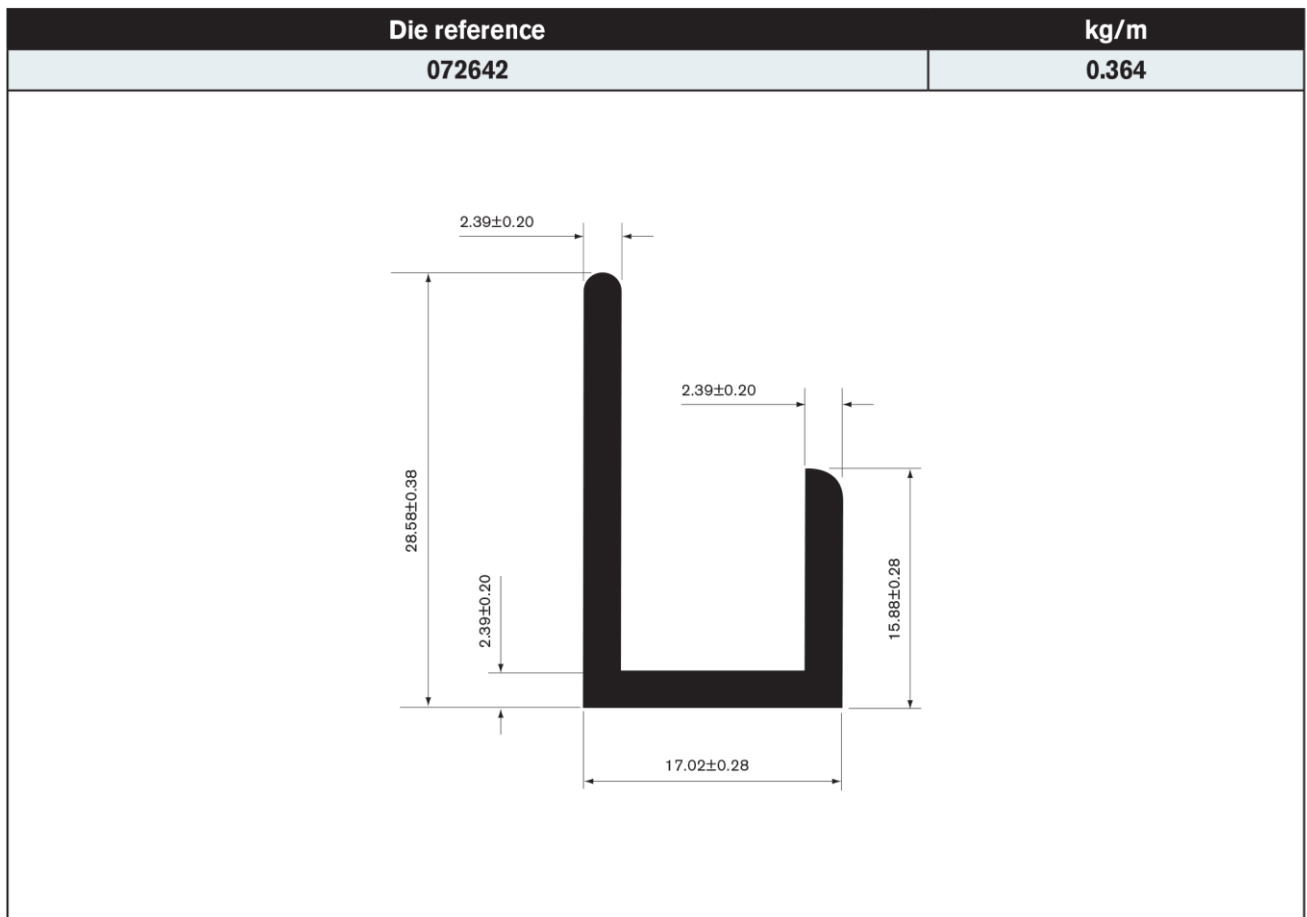
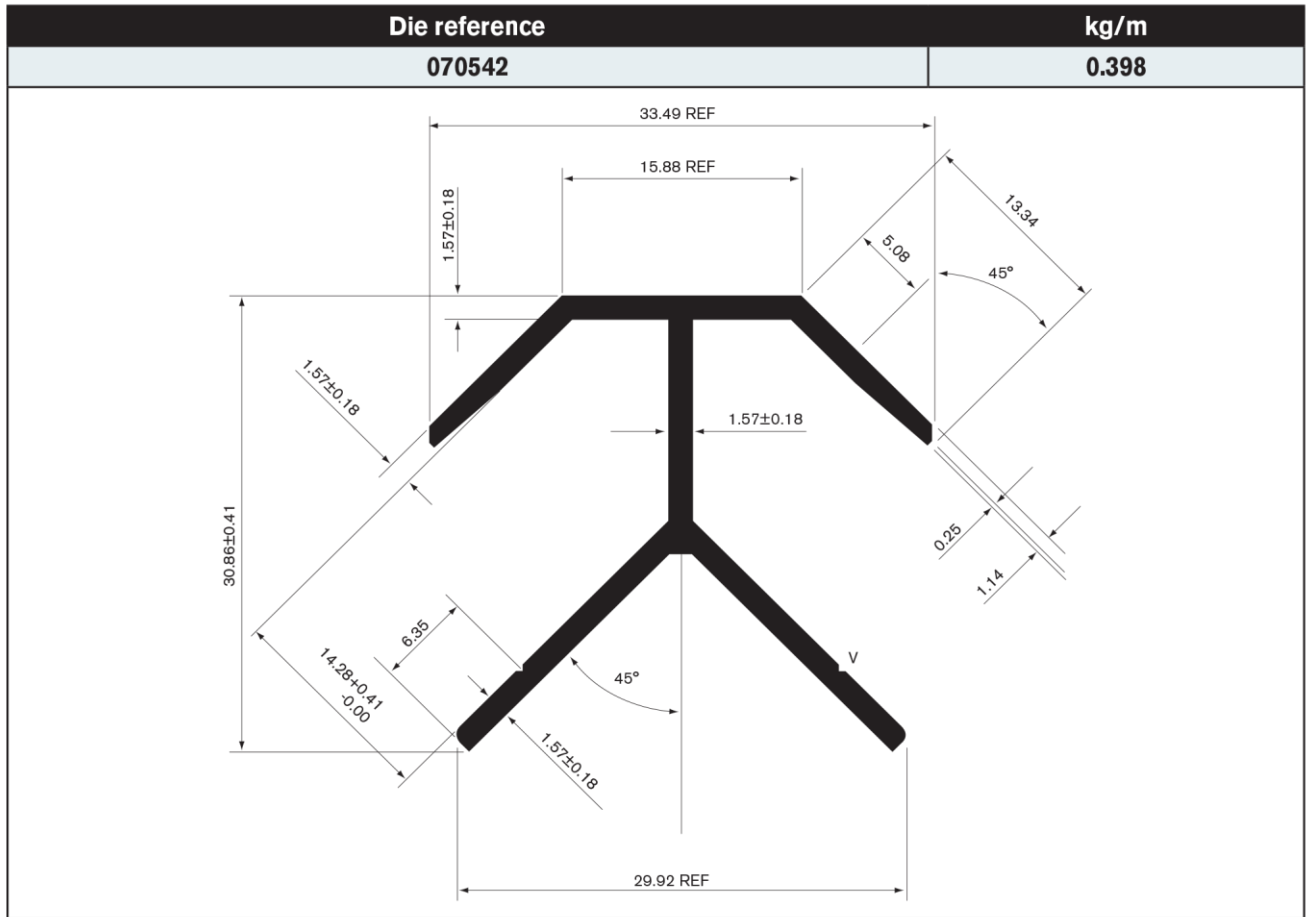
Die reference	kg/m
072374	0.168

MISCELLANEOUS

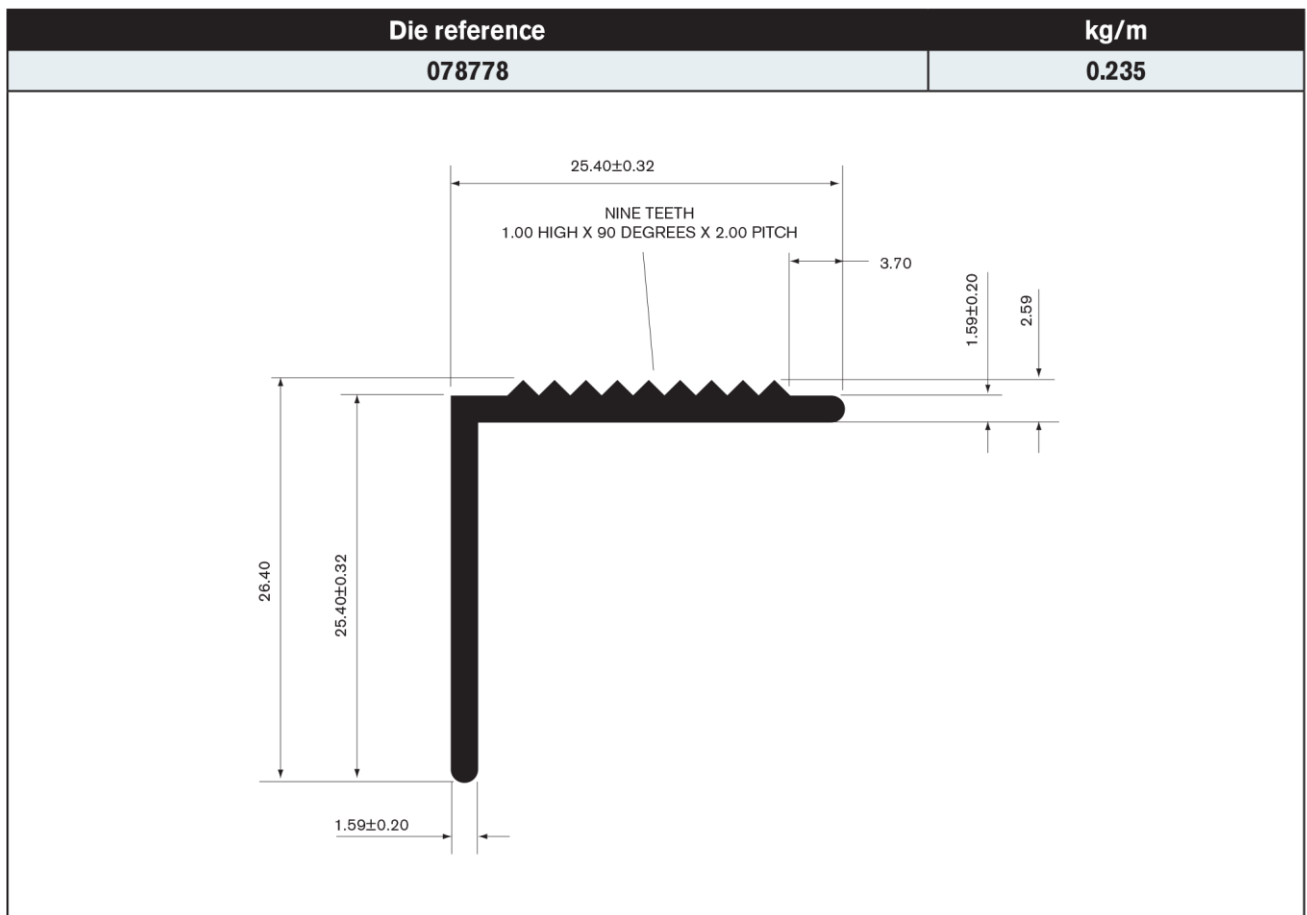
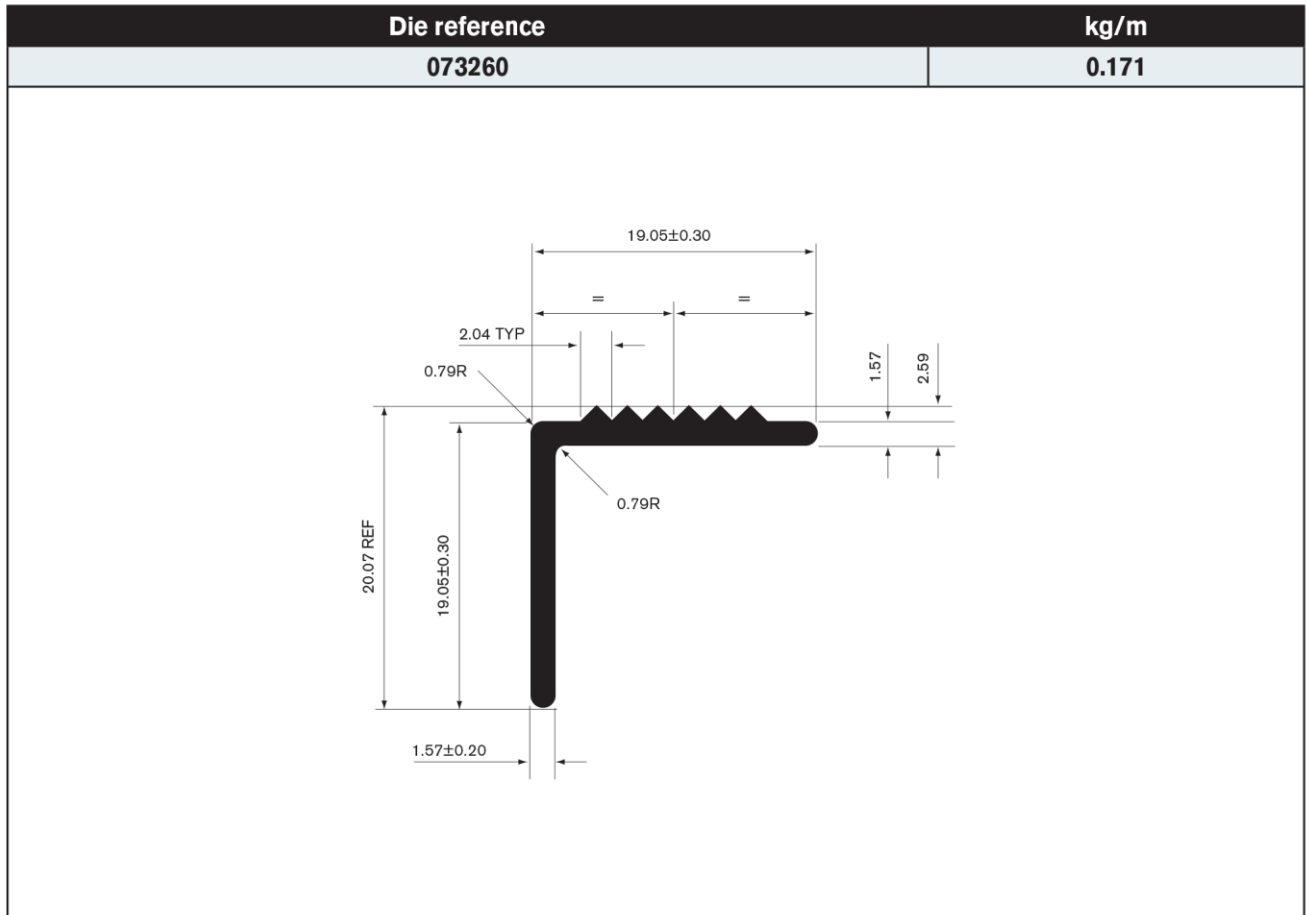
Die reference	kg/m
081972	0.280

Die reference	kg/m
081973	0.355

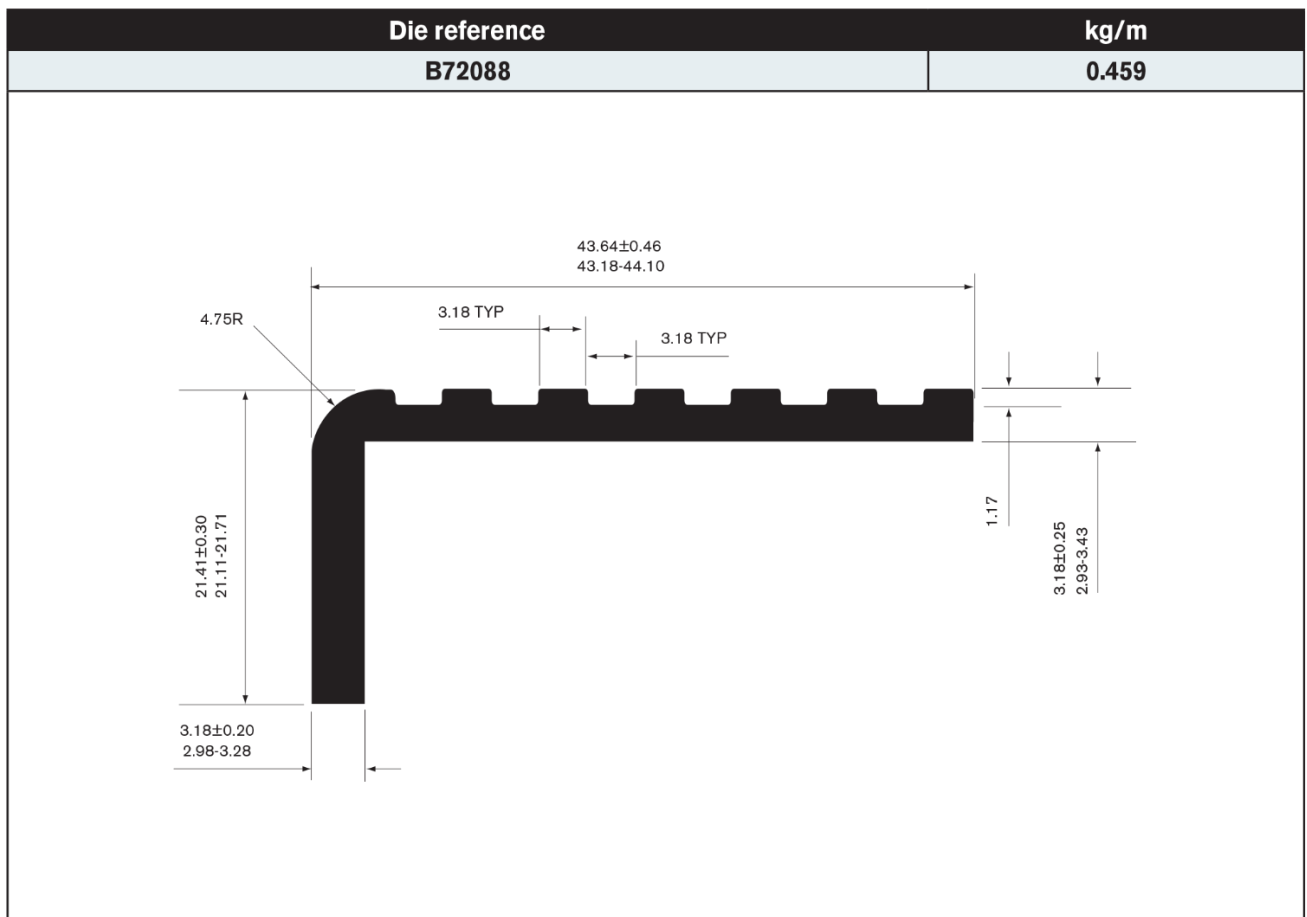
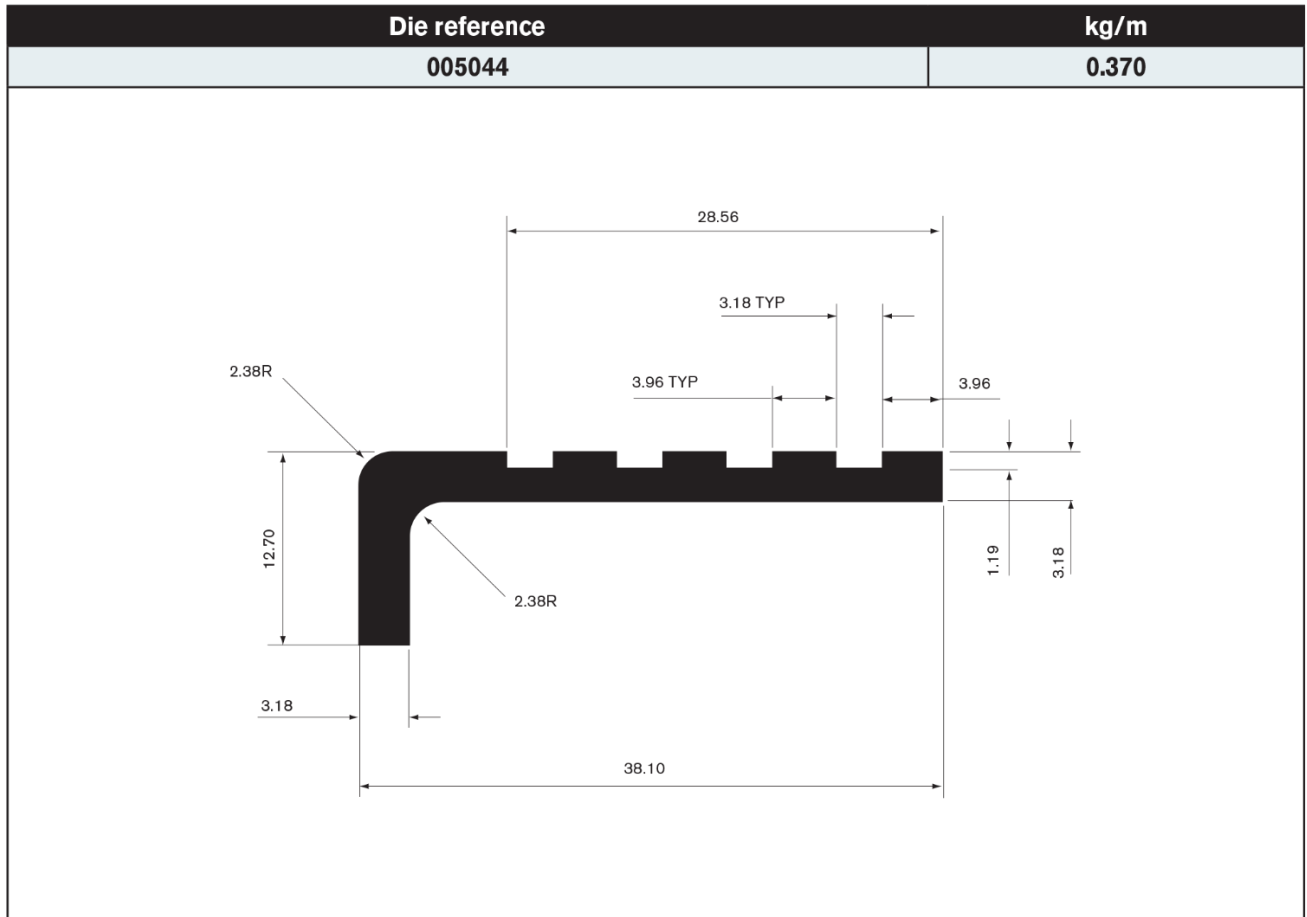




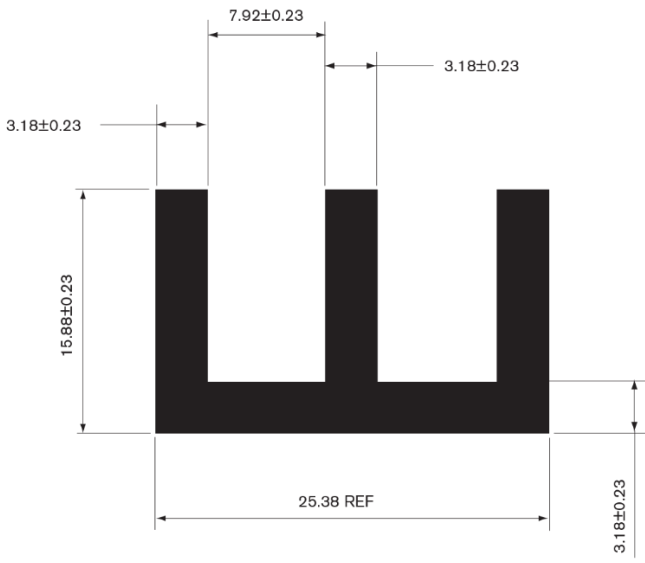
MISCELLANEOUS

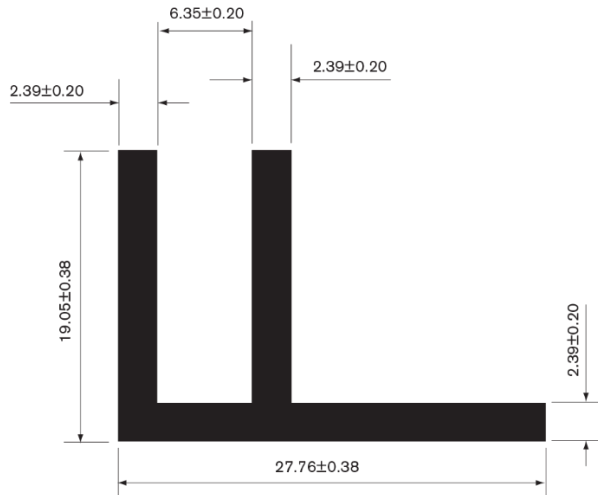


MISCELLANEOUS

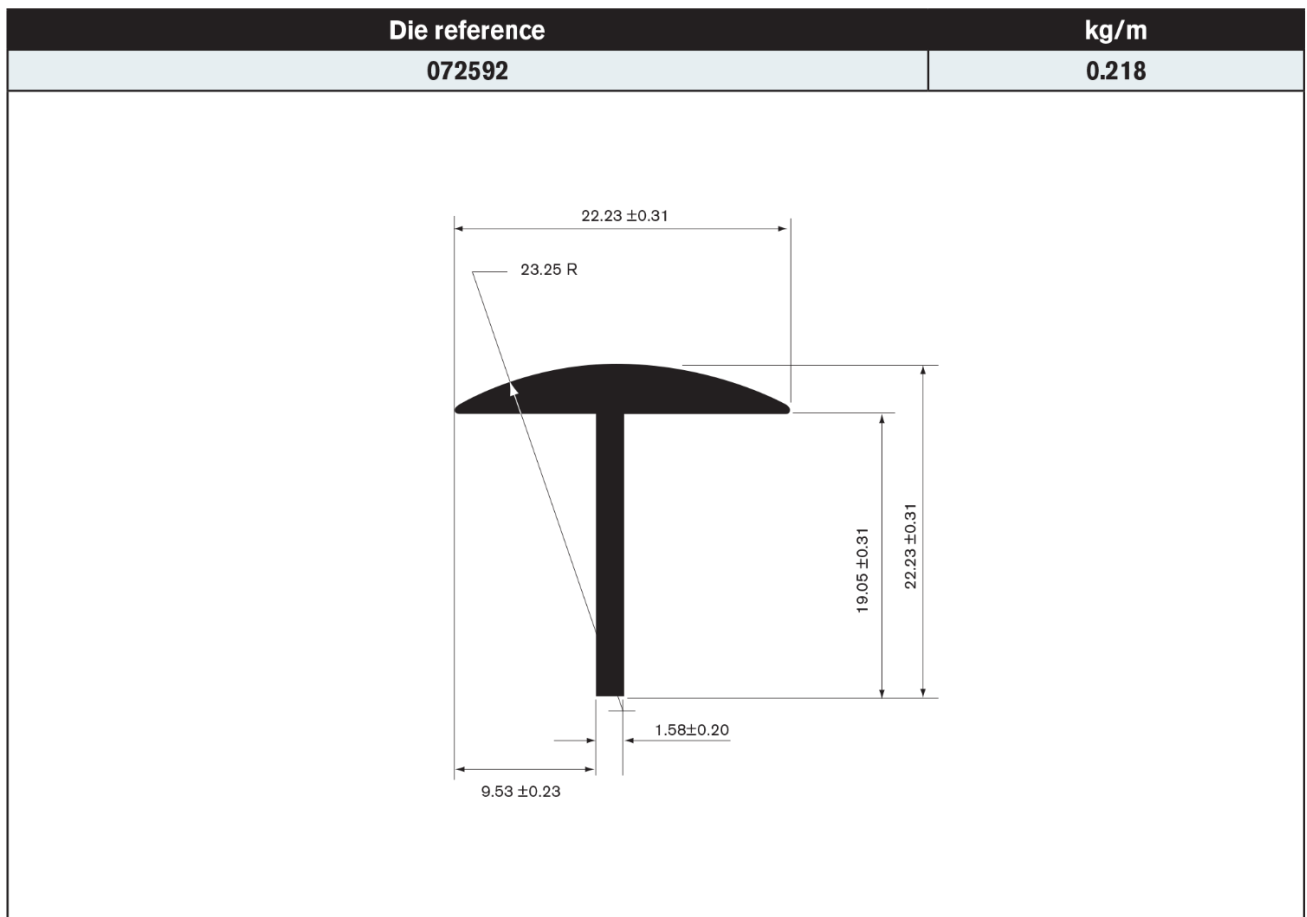
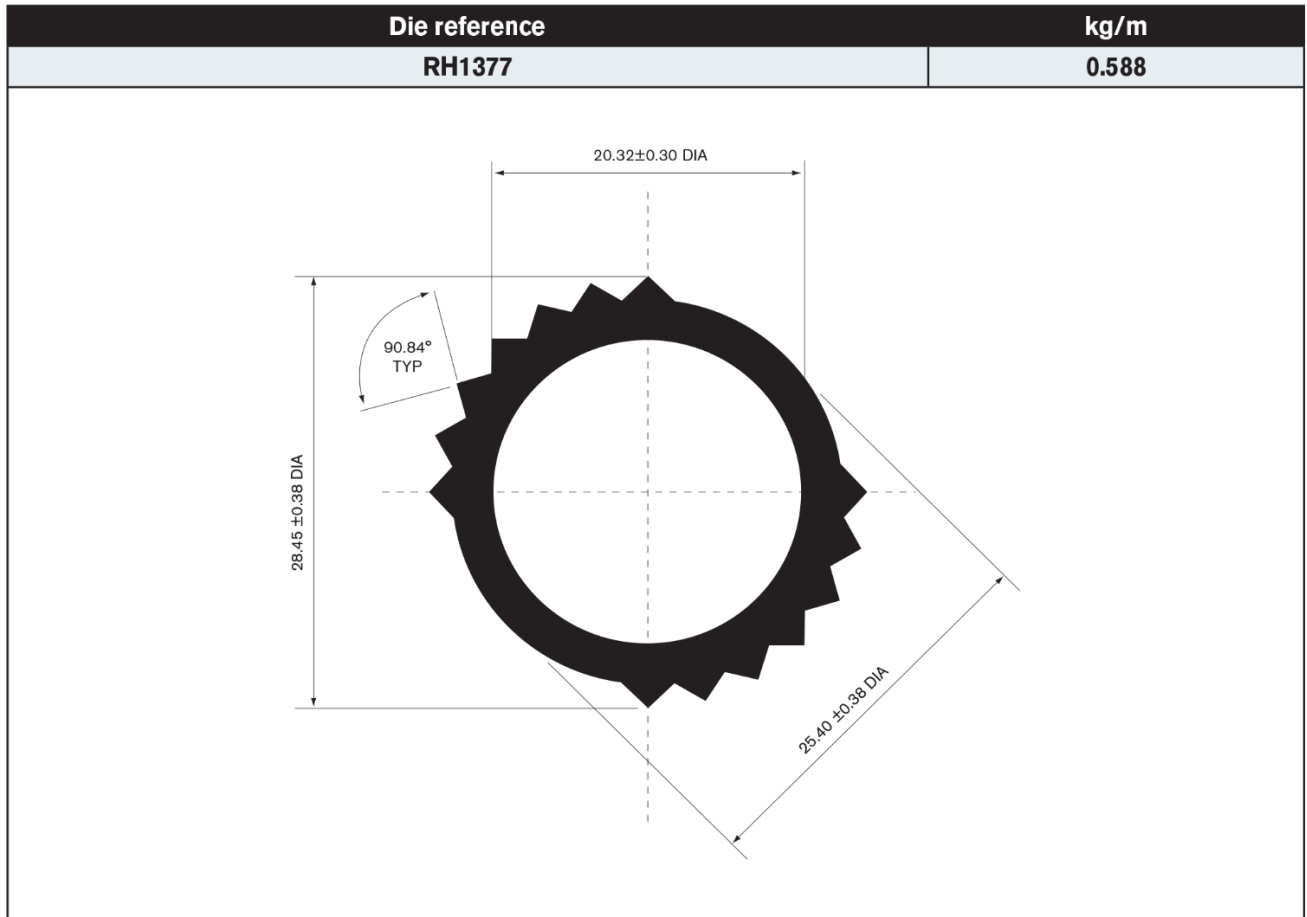


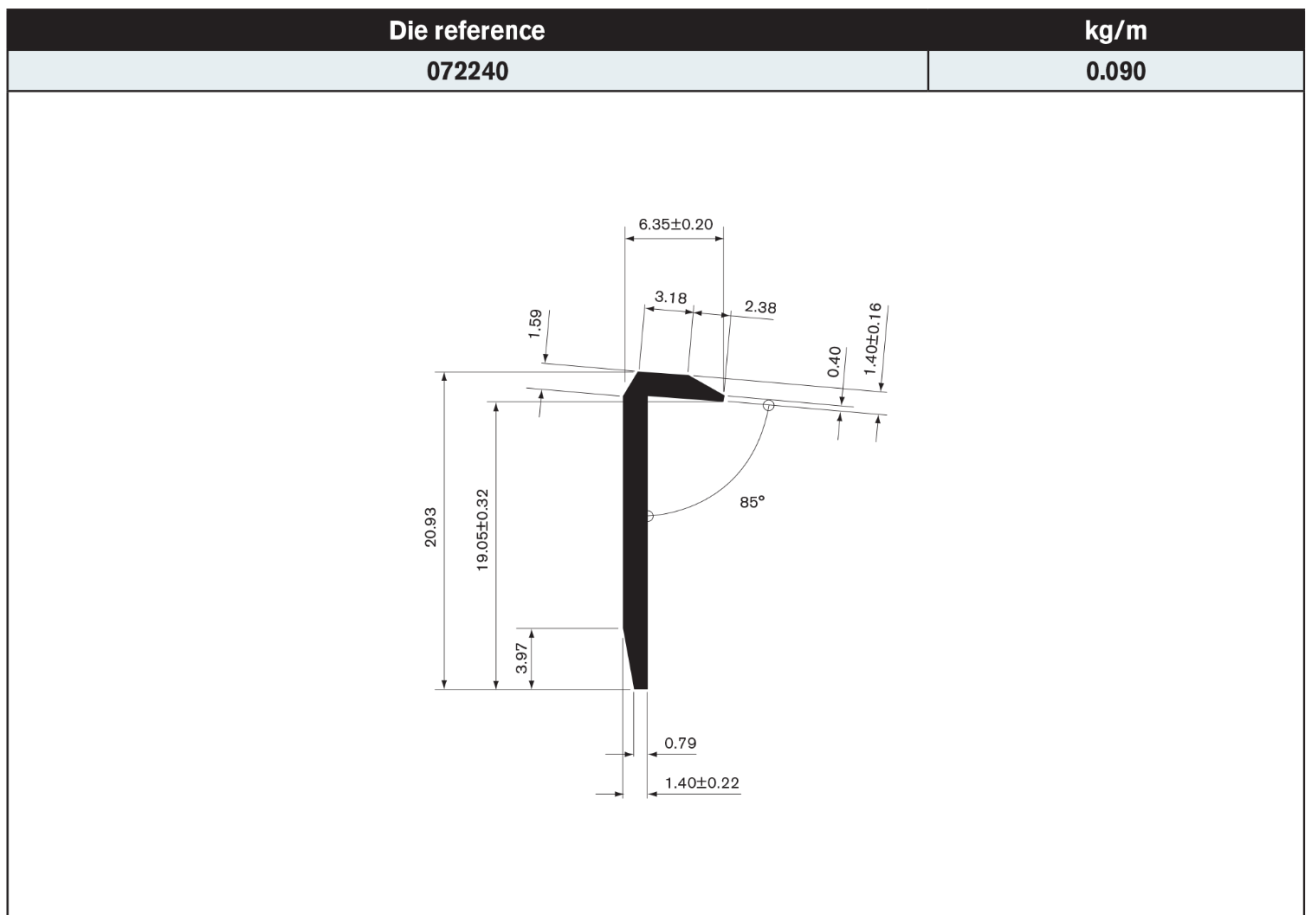
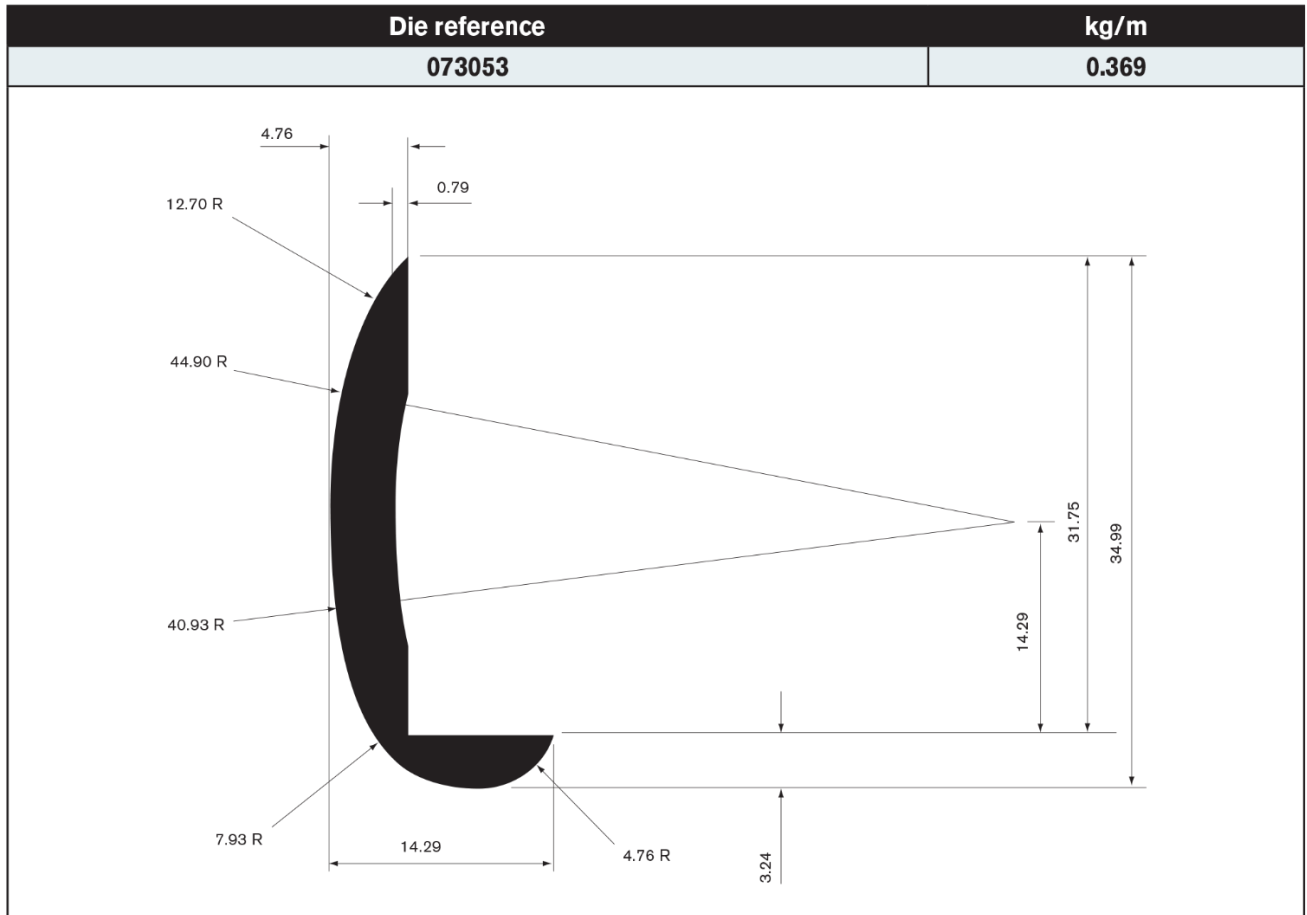
MISCELLANEOUS

Die reference	kg/m
072543	0.547
 <p>Technical drawing of a U-shaped profile. The drawing shows a cross-section with the following dimensions: a total width of 25.38 REF, a height of 15.88±0.23, a top flange width of 3.18±0.23, a central opening width of 7.92±0.23, and a distance from the center of the opening to the right edge of 3.18±0.23. A small vertical dimension of 3.18±0.23 is shown at the bottom right corner.</p>	

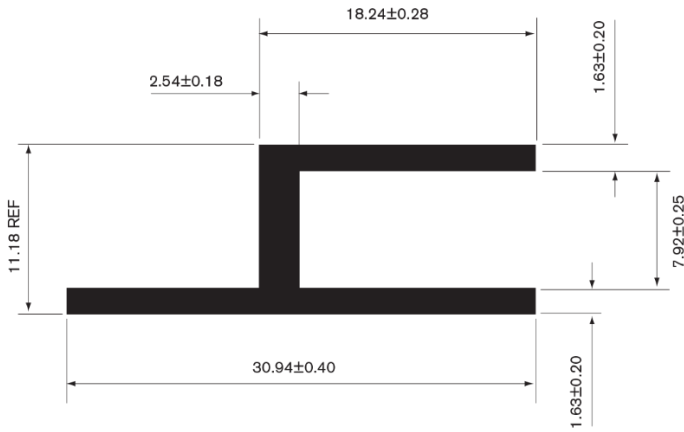
Die reference	kg/m
072270	0.396
 <p>Technical drawing of an L-shaped profile. The drawing shows a cross-section with the following dimensions: a total width of 27.76±0.38, a height of 19.05±0.38, a top flange width of 2.39±0.20, a central opening width of 6.35±0.20, and a distance from the center of the opening to the right edge of 2.39±0.20. A small vertical dimension of 2.39±0.20 is shown at the bottom right corner.</p>	

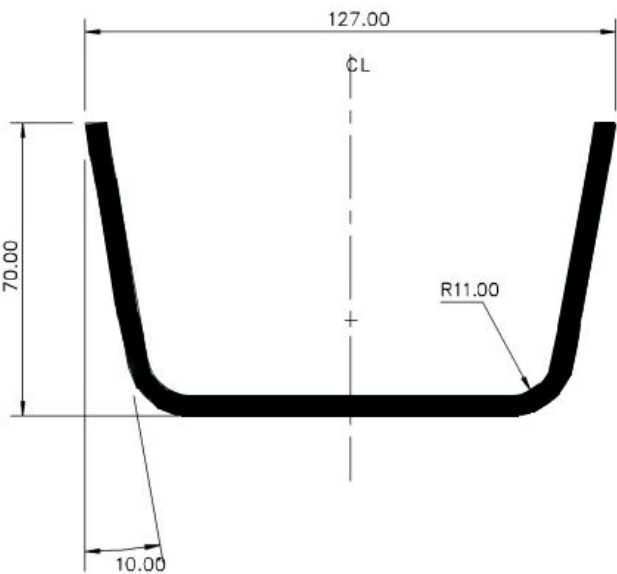
MISCELLANEOUS



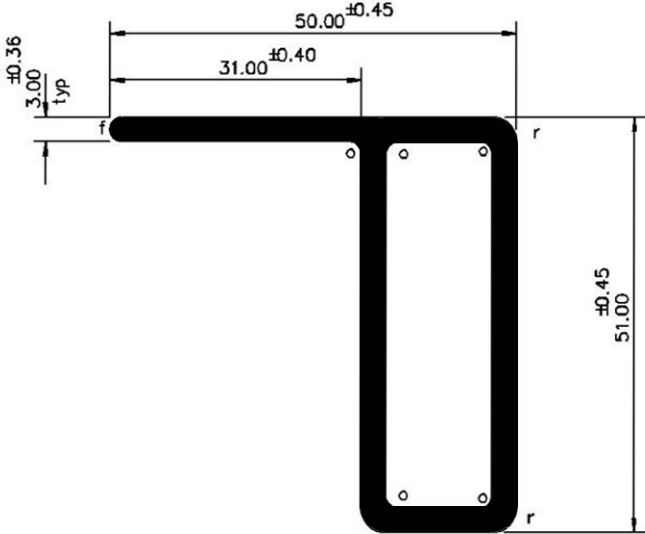



MISCELLANEOUS

Die reference	kg/m
072393	0.272
	

Die reference	kg/m
4-0097	2.966
	

MISCELLANEOUS

Die reference	kg/m
5-0477	1.281kg
 <p>The drawing shows a T-shaped component with the following dimensions and tolerances:</p> <ul style="list-style-type: none">Top horizontal flange width: 50.00 ± 0.45Distance from left edge to center of vertical stem: 31.00 ± 0.40Vertical stem height: 51.00 ± 0.45Flange thickness: 3.00 (typical)Flange width at the junction: ± 0.36Corner radii: rFour small circular features are located at the corners of the vertical stem.	



An in-depth
partnership with
Hydro

Take your idea **one step further**

Many great products have started off as prototypes entirely or partly created with profiles from our comprehensive standard range. Sometimes these profiles meet the demands and serve as parts in the final product.

Often this standards catalogue is the very first step in a rewarding co-operation to create better products. More competitive, more environmental friendly, easier to manufacture, simpler to use, better looking. Just to mention some of the possibilities with Hydro and aluminium profiles.

Let us contribute with our massive bank of know-how, experience and technical resources.

Can smart solutions such as snap-fit joints and fastening slots be integrated in the extrusion? What about fabrication such as punching, drilling, cutting, turning, bending, milling, welding, and painting?

Our aim is to create long-term business relations, with mutual profitability as the overall objective.

Hydro in 15 seconds

The worlds leading manufacturer of aluminium profiles

We find solutions together with our customers.

The earlier we get involved, the more value we can add.

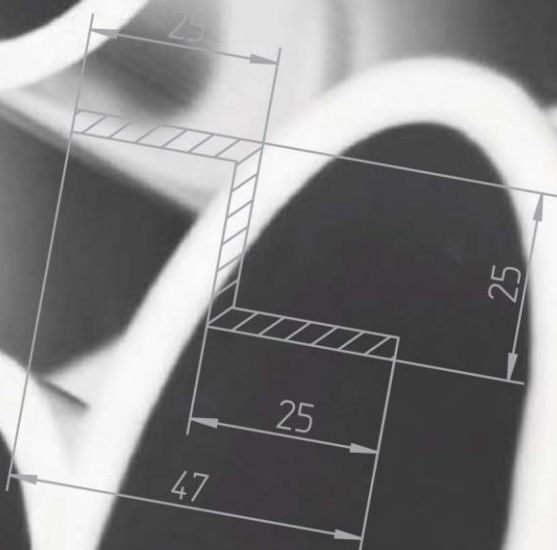
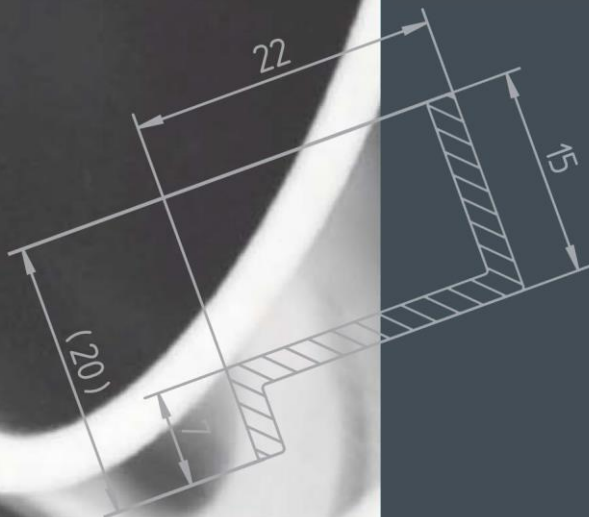
We aim to become a vital part of our customers' supply chain.

We have a vast set of experience based on thousands of successful projects.

We and our customers benefit from the excellent properties of aluminium.

Profiles provide unique opportunities when shape and design are key aspects.

We constantly strive to reduce the time it takes to go from idea to finished product.



Hydro

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