

CAPALEX

The total solution for Extruded aluminium components

Extrusions can be supplied in small or large order quantities with an exceptionally fast turnaround; Capalex is THE first choice for your standard profile needs.

This catalogue details the vast range we offer of standard profile dies in a comprehensive range of sizes, from flat bar to tubes, as well as more unusual profiles such as lipped channels, zeds, J sections and top hat sections.

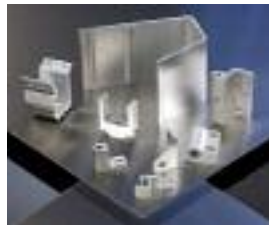
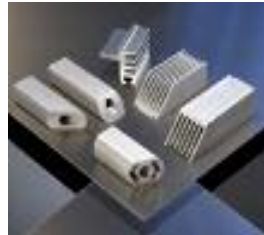
With over twenty years experience in meeting the demanding quality standards and short lead-times required across a broad range of market sectors, Capalex are the ideal partner for the supply of a wide range of extruded aluminium components.

Capalex has three operating sections that supply a comprehensive range of standard profiles, special order extrusions and fully manufactured components, including secondary machining and assembly combined with full on-site powder coating facilities, and plating and anodising services.

Our helpful design advice ensures your particular requirements are achieved as efficiently as possible.

For further information, or a brochure, simply telephone the Capalex sales team on 01946 811771,
e-mail enquiries@capalex.com or fax 01946 813681.

Please note: All quotations and sales are subject to the terms and conditions of sale, which are available on request.



Capital Aluminium Extrusions

- High tolerance extrusions in a wide range of alloys.
- Sections as thin as 0.5mm and as light as 17grams / metre.
- Solution heat treatment facilities.
- Large range of standard sections.
- Cost effective low cost tooling for prototyping.
- Free advice on design suitability of sections for extrusion.

Capalex Manufacturing

- Full fabrication facilities in-house, including precision cutting to fine tolerances.
- CNC machining.
- Coiling and assembly of products.

Capalex Finished Products

- In-house powder coating facilities in a range of colours and finishes.
- Anodising, alocroming and plating service.
- Packing to individual customer's specification.
- Total management of your aluminium component requirements.

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Common extrusion aluminium alloys and their properties

Designation	Suitability						Temper	Mechanical Properties *		Common end uses
	Forming	Machining	Welding	Brazing / Soldering	Protective Anodising	Aesthetic Anodising		Restict. (min N/mm)	Stress (min N/mm)	
1050	Good	Poor	Good	Good	Excellent	Excellent	F	-	-	Electrical conductivity
2014 (L168)	Good	Good	Not Suitable	Not Suitable	Fair	Not Suitable	T4	230	370	High Strength aerospace
							T6	370	415	
							T6511	370	435	
2024	Good	Good	Not Suitable	Not Suitable	Fair	Not Suitable	T3	260	393	High Strength aerospace
							T3510/11	260	393	
3003	Excellent	Fair	Good	Good	Good	Poor	0	-	97	Formed heat exchangers
5083	Good	Good	Fair	Not Suitable	Good	Good	0	125	275	Marine
6005	Good	Good	Good	Good	Good	Fair	T6	220	260	Medium strength commercial
6060	Good	Good	Good	Good	Good	Good	T4	60	120	General commercial
							T5	100	145	
							T6	150	190	
6061	Good	Good	Good	Good	Good	Fair	T4	115	190	High/Med. Strength commercial
							T6	240	280	
							T6511	240	280	
6063	Good	Good	Good	Good	Good	Good	0	-	140max	General commercial
							F	-	-	
							T4	70	130	
							T5	110	150	
							T6	160	195	
6063A	Good	Good	Good	Good	Good	Good	T4	90	150	Consistent forming
							T5	160	200	
							T6	190	230	
							0	-	170max	
6082 (L111)	Good	Good	Good	Good	Good	Fair	F	-	-	High strength commercial
							T4	120	190	
							T5	230	270	
							T6	255	295	
							T6511	255	295	
							0	-	170max	
6463	Good	Good	Good	Good	Good	Excellent	T4	75	125	High polished commercial
							T6	160	185	
							T6	480	540	
7075 (L160)	Fair	Good	Not Suitable	Not Suitable	Fair	Poor	T6	480	540	Very high strength aerospace

Please note: The above table shows some of the common alloys available that Capalex can extrude.

Whilst every effort is made to ensure the accuracy of data provided, Capalex does not guarantee or accept liability for its accuracy.

* Properties given are typical and should only be used for comparison of alloys. Actual values will depend on section specification.

Useful Information

Standard gauge (SWG) to metric conversion table:

Standard gauge (SWG)	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Thickness (mm)	4.88	4.47	4.06	3.66	3.25	2.95	2.64	2.34	2.03	1.83	1.63	1.42	1.22	1.02	0.91	0.81	0.71	0.61	0.56	0.51

Section weight in aluminium (kg/m) = cross section area (mm) x 0.002712



+44(0)1946 811771 Fax: +44(0)1946 813681 <http://www.capalex.com>

Equal Angles

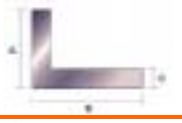


Equal Angles Die Number	Imperial (inches)			Metric (mm)			Kg/m
	A	B	C	A	B	C	
1047SEA	3/8	3/8	1/16	9.53	9.53	1.59	0.075
3770SEA	1/2	1/2	3/32	12.70	12.70	2.38	0.149
1272SEA	1/2	1/2	0.052	12.70	12.70	1.32	0.086
1064SEA	1/2	1/2	1/16	12.70	12.70	1.59	0.102
1165SEA	1/2	1/2	1/8	12.70	12.70	3.18	0.192
1273SEA	5/8	5/8	0.052	15.88	15.88	1.32	0.109
1062SEA	5/8	5/8	1/16	15.88	15.88	1.59	0.129
1044SEA	3/4	3/4	0.047	19.05	19.05	1.20	0.120
1291SEA	3/4	3/4	0.052	19.05	19.05	1.32	0.133
1046SEA	3/4	3/4	1/16	19.05	19.05	1.59	0.157
2938SEA	3/4	3/4	1/16	19.05	19.05	1.59	0.158
4523SEA	3/4	3/4	1/16	19.05	19.05	1.65	0.163
1056SEA	3/4	3/4	1/8	19.05	19.05	3.18	0.301
3438SEA	7/8	7/8	1/16	22.23	22.23	1.59	0.176
1042SEA	7/8	7/8	1/8	22.23	22.23	3.18	0.358
3251SEA	15/16	15/16	3/32	23.81	23.81	2.38	0.292
1278SEA	1	1	0.052	25.40	25.40	1.32	0.178
1060SEA	1	1	1/16	25.40	25.40	1.59	0.211
3439SEA	1	1	0.090	25.40	25.40	2.29	0.301
2110SEA	1	1	3/32	25.40	25.40	2.38	0.309
1063SEA	1	1	1/8	25.40	25.40	3.18	0.411
1279SEA	11/4	11/4	0.052	31.75	31.75	1.32	0.224
2941SEA	11/4	11/4	1/16	31.75	31.75	1.59	0.268
5731SEA	11/4	11/4	3/32	31.75	31.75	2.39	0.396
1055SEA	11/4	11/4	1/8	31.75	31.75	3.18	0.518
3548SEA 5.08 Int. Radius	11/4	11/4	3/16	31.75	31.75	4.76	0.773
1280SEA	11/2	11/2	0.052	38.10	38.10	1.32	0.276
1059SEA	11/2	11/2	1/16	38.10	38.10	1.59	0.332
1034SEA	11/2	11/2	1/8	38.10	38.10	3.18	0.629
5733SEA Radius on all corners	11/2	11/2	1/4	38.10	38.10	3.18	0.628
3518SEA	13/4	13/4	1/8	44.45	44.45	3.18	0.739
3940SEA	2	2	0.063	50.80	50.80	1.60	0.434

Equal Angles Die Number	Metric (mm)			
	A	B	C	Kg/m
5792SEA	7.00	7.00	1.00	0.035
2512SEA	10.00	10.00	1.00	0.052
3106SEA	12.00	12.00	3.00	0.170
2309SEA	15.00	15.00	1.00	0.079
2565SEA	15.00	15.00	2.00	0.152
1894SEA	15.00	15.00	3.00	0.219
2685SEA	15.87	15.87	2.00	0.161
5840SEA	16.00	16.00	1.00	0.099
1643SEA	20.00	20.00	2.00	0.205
3136SEA	20.00	20.00	2.50	0.254
3774SEA	20.00	20.00	3.00	0.301
5788SEA	21.20	21.20	1.20	0.134
1361SEA	22.00	22.00	1.00	0.116
3541SEA	23.00	23.00	2.50	0.295
2056SEA	25.00	25.00	2.00	0.260
3181SEA	25.00	25.00	2.80	0.358
1362SEA	28.00	28.00	1.00	0.149
3226SEA	30.00	30.00	2.50	0.389
3815SEA 5.00mm int.corner radius	30.00	30.00	2.50	0.447
3174SEA	30.00	30.00	3.00	0.462
1788SEA	34.00	34.00	2.30	0.409
3061SEA	38.00	38.00	2.00	0.401
3547SEA 5.33mm int.corner radius	38.10	38.10	6.35	1.218
3386SEA	40.00	40.00	4.00	0.823
3061SEA	38.10	38.10	2.00	0.401



Unequal Angles



Unequal Angles Die Number	Imperial (inches)			Metric (mm)			Kg/m
	A	B	C	A	B	C	
2666UEA	1/2	1/8	1/16	12.70	3.18	1.59	0.062
2004UEA	1/2	3/8	3/32	12.70	9.53	2.38	0.127
1300UEA	5/8	3/8	1/16	15.88	9.53	1.59	0.102
1170UEA	3/4	1/4	1/16	19.05	6.35	1.59	0.104
1317UEA	3/4	1/4	1/8	19.05	6.35	3.18	0.192
1306UEA	3/4	3/8	1/16	19.05	9.53	1.59	0.116
1274UEA	3/4	1/2	1/16	19.05	12.70	1.59	0.129
3408UEA	3/4	7/16	0.08	19.05	11.10	2.03	0.155
1340UEA	3/4	1/2	1/8	19.05	12.70	3.18	0.246
2034UEA	1	3/8	1/16	25.40	9.56	1.59	0.143
2466UEA	1	3/8	0.08	25.40	9.56	2.03	0.181
1343UEA	1	1/2	1/16	25.40	12.70	1.59	0.158
1040UEA	1	1/2	1/8	25.40	12.70	3.18	0.301
1045UEA	1	3/4	1/16	25.40	19.05	1.59	0.184
2814UEA	1 1/8	1/2	1/16	28.58	12.70	1.59	0.170
1369UEA	1 1/8	1	1/8	28.58	25.40	3.18	0.438
1316UEA	1 1/4	1/4	1/16	31.75	6.35	1.59	0.158
1161UEA	1 1/4	3/4	1/8	31.75	19.05	3.18	0.411
1205UEA	1 1/4	1	1/8	31.75	25.40	3.18	0.466
2939UEA	1 1/2	13/16	1/16	38.10	20.64	1.59	0.246
1352UEA	1 1/2	1	1/16	38.10	25.40	1.59	0.267
1065UEA	1 1/2	1	1/8	38.10	25.40	3.18	0.520
1275UEA	1 1/2	1 1/4	0.052	38.10	31.75	1.32	0.246
1365UEA	1 3/4	1/2	1/16	44.45	12.70	1.59	0.240
3329UEA	1 3/4	1	3/16	44.45	34.92	4.74	0.958
2055UEA	2	3/8	1/16	50.80	9.53	1.59	0.253
3431UEA	2 1/2	3/4	0.08	63.50	19.05	2.03	0.437
2824UEA				7.80	6.00	2.8/2	0.077
4112UEA				10.00	11.00	3.20	0.154
2386UEA				11.00	8.00	1.5/2	0.080
1136UEA				11.00	9.00	1.00	0.052
2346UEA		0.5mm int.radius 1.0mm ext.radius		12.00	6.00	1.60	0.071
3973UEA				12.00	9.00	1.50	0.079
4567UEA				13.00	4.00	1.60	0.067
2020UEA				14.50	7.50	1.20	0.068
2308UEA				15.00	5.00	1.00	0.052

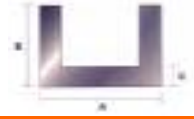
Unequal Angles Die Number	Metric (mm)			
	A	B	C	Kg/m
1795UEA	15.00	7.50	3.00	0.158
2808UEA	15.00	10.00	2.00	0.124
4064UEA	15.90	12.70	1.50	0.110
5286UEA	16.00	12.00	2.50	0.173
1120UEA	17.00	12.00	1.20	0.090
3452UEA	17.00	12.50	4.00	0.276
5131UEA	17.20	11.00	1.50	0.109
1539UEA	18.00	10.00	1.60	0.114
5123UEA	15.00	12.00	1.20	0.087
4136UEA	20.00	15.00	2.00	0.179
4906UEA	21.60	4.60	1.60	0.107
4907UEA	21.60	18.00	1.60	0.165
3370UEA	21.50	5.00	1.50	0.101
6132UEA	24.00	15.00	3.00	0.293
3810UEA	24.00	19.00	4.00	0.423
6574UEA	25.00	6.00	1.50	0.120
2345UEA	25.00	12.00	1.60	0.153
3260UEA	25.00	20.00	3.00	0.341
3137UEA	25.00	40.00	5.00	0.813
4875UEA	25.40	9.52	5.00/3.30	0.311
4825UEA	25.40	15.24	1.27	0.135
3563UEA	25.40	15.90	2.00	0.213
3203UEA	25.40	19.00	2.39	0.272
4020UEA	25.40	9.00	1.60	0.142
5484UEA	20.56	7.11	0.76	0.054
2372UEA	26.00	15.00	1.00	0.108
5652UEA	26.67	22.86	2.29/2.03	0.274
3620UEA	27.80	7.92	1.02	0.096
4698UEA	27.94	38.10	1.60	0.287
1923UEA	28.00	16.00	3.00	0.332
3478UEA	28.00	21.00	3.00	0.350
3283UEA	30.00	9.00	3 / 2	0.219
2115UEA	30.00	14.00	1.50	0.172

Unequal Angles



Unequal Angles Die Number	Metric (mm)				
	A	B	C	Kg/m	
3573UEA	30.00	22.00	3.00	0.400	
2387UEA	31.75	10.50	1.60	0.176	
5735UEA	31.75	25.40	2.39	0.355	
3827UEA	37.00	25.00	2.00	0.338	
1827UEA	38.00	12.50	1.60	0.210	
2084UEA	38.00	19.00	4.00	0.572	
3809UEA	40.00	20.00	2.00	0.314	
2600UEA	40.00	20.00	6.00	0.878	
3316UEA	40.00	25.00	4.00	0.661	
3188UEA	40.00	30.00	3.00	0.544	
2715UEA	41.00	13.00	3.00	0.415	
1810UEA	42.00	26.75	6.50	1.090	
3189UEA	44.45	25.40	2.03	0.373	
3329UEA	44.45	34.92	4.74	0.958	
6089UEA	45.00	21.00	6.00	0.976	
1948UEA	45.00	25.00	3.00	0.544	
6416UEA	45.00	29.00	5.00	0.935	
1947UEA	48.00	7.00	3.00	0.421	
3339UEA	50.00	9.50	3.00	0.459	
3403UEA	50.00	12.00	3.00	0.479	
3794UEA	50.00	38.00	4.00	0.910	
3366UEA	50.80	25.40	1.58	0.319	
3660UEA	52.00	14.00	2.00	0.347	
3751UEA	3.18mm int.radius	57.15	28.58	3.18	0.710
3338UEA		66.60	19.00	3.00	0.671
6733UEA	0.25mm Ext.radius on all corners	20.00	10.00	2.00	0.152

Standard Channels



Channels Die Number	Imperial (inches)			Metric (mm)			
	A	B	C	A	B	C	Kg/m
3742SCH	1/4	1/4	1/16 3/32	6.35	6.35	1.59/2.38	0.075
1286SCH	1/4	3/8	0.05	6.35	9.53	1.27	0.078
1259SCH	3/8	1/4	0.05	9.53	6.35	1.27	0.068
1049SCH	3/8	3/8	1/16	9.53	9.53	1.59	0.110
1254SCH	1/2	1/2	1/16	12.70	12.70	1.59	0.150
1299SCH	1/2	1/2	3/32	12.70	12.70	2.38	0.215
1397SCH	1/2	1/2	1/8	12.70	12.70	3.18	0.273
1831SCH	1/2	1	1/16	12.70	25.40	1.57	0.256
1691SCH	5/8	3/8	1/16	15.88	9.53	1.59	0.136
1292SCH	5/8	5/8	1/16	15.88	15.88	1.59	0.189
3210SCH	5/8	5/8	1/8	15.88	15.88	3.18	0.355
1398SCH	3/4	1/2	1/8	19.05	12.70	3.18	0.328
1048SCH	3/4	3/4	1/8	19.05	19.05	3.18	0.438
3718SCH				22.20	15.90	1.27	0.177
1341SCH	1	1/2	1/8	25.40	12.70	3.18	0.383
1052SCH	1	1	1/8	25.40	25.40	3.18	0.602
1351SCH	1 1/2	3/16	3/32	38.10	4.76	2.38	0.281
1054SCH	1 1/2	1	1/8	38.10	25.40	3.18	0.712
5789SCH				3.25	6.00	1.00	0.036
1567SCH				6.35	6.35	1.27	0.057
3742SCH				6.35	6.35	1.59/2.38	0.075
4738SCH				7.20	20.00	1.50	0.168
3650SCH				7.50	10.00	2.50	0.152
3596SCH		1.0mm int.radius		7.90	9.52	1.58/0.75	0.066
5009SCH				8.00	10.00	1.00	0.070
3292SCH				8.30	10.00	2.00	0.110
1918SCH		1.0mm int.radius		10.00	8.00	1.20	0.076
2929SCH				10.00	10.50	1.65/1.60	0.123
2077SCH				10.18	10.60	1.59	0.121
2597SCH				10.00	18.00	2.00	0.228
5564SCH				10.67	9.52	1.52	0.108
4237SCH				11.00	20.00	2.00	0.254
3640SCH				12.00	11.50	2.00	0.168
3470SCH				12.70	25.40	3.18	0.492
1770SCH		1.6mm ext.radius		12.80	12.70	1.90/1.60	0.170
2722SCH				13.35	11.60	1.60	0.145

Standard Channels



Channels Die Number	Metric (mm)				Kg/m
	A	B	C	D	
5910SCH	11.50	7.50	2.00		0.119
3312SCH	13.00	12.50	1.60		0.134
1612SCH	14.00	12.00	1.65		0.155
2899SCH	14.10	19.05	1.60		0.212
1619SCH	14.30	12.70	0.91		0.093
5746SCH	14.53	19.05	1.52		0.205
3358SCH	15.00	12.00	3.00		0.268
3392SCH	15.00	15.00	2.00		0.222
1618SCH	15.87	6.35	0.80		0.060
4025SCH	15.88	17.78	1.27		0.168
2977SCH	15.95	20.62	2.00		0.288
4021SCH	16.00	16.00	2.50		0.291
2659SCH	16.50	25.00	1.60		0.274
3456SCH	16.50	25.00	2.00		0.339
5816SCH	16.98	19.05	1.63		0.264
3343SCH	17.00	17.00	3.50		0.417
2167SCH	18.00	8.00	3.00		0.227
6134SCH	18.00	12.00	3.00		0.293
2455SCH	18.00	15.00	2.00		0.238
1953SCH	18.00	30.00	3.00		0.594
4645SCH	18.41	10.16	1.02	1.53	0.124
2025SCH	19.00	30.00	3.00		0.593
2713SCH	19.05	2.00	1.00		0.056
3812SCH	19.05	8.73	3.18		0.210
			/1.59		
1538SCH	19.70	14.10	1.60		0.193
3762SCH	20.00	18.00	3.00		0.407
3223SCH	20.00	20.00	2.00		0.300
1893SCH	20.00	20.00	3.00		0.437
3496SCH	20.00	25.00	7.50/4.55		0.813
4138SCH	20.00	30.00	2.00		0.412
1777SCH	20.50	18.00	1.50		0.217
1655SCH	21.20	21.00	1.60		0.259
5864SCH	21.84	10.92	0.76		0.100
4836SCH	21.84	10.92	0.76		0.084
3718SCH	22.20	15.90	1.27		0.177
6732SCH	22.25	10.00	1.30		0.140
5911SCH	24.00	4.50	2.00	1.50	0.130
3738SCH	24.64	15.75	1.52/1.22		0.196
5641SCH	24.64	19.05	1.52		0.247
5648SCH	24.99	5.99	2.00		0.178

Channels Die Number	Metric (mm)				Kg/m
	A	B	C	D	
5433SCH	25.00	1.65	1.50		0.222
4810SCH	25.00	5.97	2.00		0.178
2139SCH				3.00mm int.radius	0.478
5431SCH	25.00	20.00	3.00		0.30
3806SCH	25.40	6.35	3.17		0.280
3364SCH	26.85	6.55	1.42	1.35	0.140
4787SCH	28.47	10.41	0.71		0.950
3454SCH	27.50	6.55	1.35	1.42	0.144
2710SCH	27.40	18.00	2.30		0.367
2534SCH	29.40	26.60	1.20		0.261
4581SCH	29.70	6.35	1.01		0.116
3427SCH	30.00	12.00	3.00		0.390
1787SCH	30.50	18.00	2.30		0.383
4964SCH	30.89	19.05	1.6		0.287
4811SCH	31.75	6.00	3.00		0.299
4755SCH	34.40	5.00	1.20		0.136
6453SCH				0.5mm int.radius	0.466
2615SCH	32.00	7.00	3.00	5.00	0.320
4542SCH	33.00	15.00	2.00		0.325
4717SCH	34.00	15.00	2.00		0.126
6443SCH	34.93	6.35	1.02		0.126
5027SCH	35.00	9.50	1.90	3.00	0.351
1949SCH	35.00	19.50	1.20		0.162
5720SCH	35.00	22.00	3.00		0.594
	36.28	24.38	1.52		0.338
3574SCH	38.00	20.00	1.50		0.305
6408SCH	38.00	30.00	1.50		0.386
2262SCH	38.30	14.00	4.00		0.630
3929SCH	40.00	20.00	3.00		0.590
3326SCH	40.00	20.00	4.00		0.780
3348SCH	40.00	20.00	6.00		1.100
1607SCH	44.45	11.10	3.17		0.517
6092SCH	44.45	19.05	3.18		0.657
4260SCH	47.00	25.00	1.59		0.404
2215SCH	50.00	19.00	3.00		0.707
6445SCH				3.2mm int.radius	0.403
1667SCH	50.80	8.00	2.40		0.583
6090SCH	54.00	35.00	1.65	1.90	0.592
5090SCH	52.21	38.10	1.68		0.592
	57.53	38.10	1.68		0.593

Lipped Channels



Lipped Channels Die Number	Metric (mm)				Kg/m	
	A	B	C	D		
1660LCH	11.11	6.35	1.20	2.37	0.085	
2163LCH	11.50	11.50	1.00	2.25	0.100	
2959LCH	12.50	3.00	1.00	1.00	0.050	
4789LCH	12.70	4.70	1.00	1.00	0.094	
2307LCH	12.70	5.16	1.57	2.40	0.105	
1649LCH	14.50	10.00	1.50	2.50	0.149	
2572LCH	15.00	10.00	1.50	4.50	0.170	
2140LCH	Int.Radius 0.5 Ext Radius 0.75	15.50	7.50	1.00	2.50	0.091
5950LCH	18.00	11.70	1.00	3.00	0.123	
4109LCH	18.00	12.00	1.00	3.00	0.120	
6075LCH	19.00	19.00	1.60	4.90	0.276	
4665LCH	19.05	9.53	1.20	3.50	0.161	
5409LCH	19.05	9.65	1.19	3.51	0.138	
3217LCH	19.05	11.05	1.59	4.76	0.204	
4443LCH	20.00	10.00	2.00	2.50	0.279	
4118LCH	20.00	12.00	1.80	2.70	0.244	
3322LCH	20.00	20.00	1.59	3.90	0.279	
5842LCH	21.34	6.60	1.27	3.56	0.125	
5784LCH	23.00	23.00	2.50	5.00	0.500	
3367LCH	24.00	14.00	4.00/3.00	3.00	0.487	
1374LCH	25.00	5.00	1.00	0.70	0.088	
3459LCH	28.00	8.50	2.50	4.50	0.346	
6102LCH	34.00	4.00	1.00	2.10	0.136	
1118LCH	35.30	11.17	1.27	7.62	0.250	
3401LCH	36.00	17.50	3.5/4	4.50	0.732	
1807LCH	45.00	14.00	1.00	11.00	0.251	

Unequal Leg Channels



Unequal Leg Channels Die Number	Imperial (inches)			Metric (mm)			Kg/m
	A	B	C	A	B	C	
2795UCH	1/2	1 1/2 / 1	1/8	12.70	38.10/25.40	3.18	0.601
1354UCH	1	3/4 / 1/4	1/16	25.40	19.05/6.35	1.59	0.211
2152UCH	Int Radius 0.38mm Ext Radius 0.8mm			5.84	17.45/9.53	1.27	0.104
6473UCH				5.85	25.40/12.70	1.02	0.116
3453UCH				6.00	25.00/8.00	2.00	0.179
3712UCH				6.61	31.75/10.16	1.02	0.128
3761UCH				7.00	25.00/12.00	2.00	0.217
4777UCH				12.76	12.95/5.33	0.95	0.075
1295UCH				15.00	22.00/13.00	1.20	0.155
2136UCH				15.00	25.00/15.00	3.00	0.397
3455UCH				16.00	25.00/15.00	3.00	0.407
4778UCH				22.28	12.95/5.33	0.95	0.109
2155UCH				23.00	23.00/10.00	2.00	0.281
3693UCH				30.00	25.00/10.00	2.00/1.60	0.293

Tees



Tees Die Number	Imperial (inches)			Metric (mm)			Kg/m	
	A	B	C	A	B	C		
2019TEE	3/8	3/8	1/16	9.53	9.53	1.59	0.075	
2758TEE	3/8	1/2	1/8 / 1/16	9.53	12.70	3.18/1.59	0.136	
1127TEE	1/2	1/2	1/16	12.70	12.70	1.59	0.103	
2118TEE	1/2	1/2	1/8	12.70	12.70	3.18	0.191	
1382TEE	5/8	5/8	3/32	15.88	15.88	2.38	0.190	
1301TEE	5/8	5/8	1/8	15.88	15.88	3.18	0.246	
1162TEE	3/4	3/4	1/16	19.05	19.05	1.59	0.159	
2944TEE	3/4	3/4	1/8	19.05	19.05	3.18	0.301	
1038TEE	7/8	7/8	1/8	22.23	22.23	3.18	0.356	
3866TEE	1	3/8	11/16	25.40	9.50	1.59	0.152	
1160TEE	1	1	11/16	25.40	25.40	1.59	0.213	
1033TEE	1	1	1/8	25.40	25.40	3.18	0.410	
1662TEE	Leg off set	11/4	7/8	1/8	31.75	22.22	3.17	0.435
1849TEE		11/4	2	3/16	31.75	50.80	4.76	1.004
3087TEE		11/2	1	0.09	38.10	25.40	2.38	0.394
1123TEE		11/2	11/2	1/8	38.10	38.10	3.18	0.631
2211TEE		11/2	13/4	1/8	38.10	44.45	3.18	0.680
5734TEE		2	1	3/32	50.80	25.40	2.39	0.481
3336TEE		2	11/2	1/8	50.80	38.10	3.18	0.738
4703TEE		2	2	1/4	50.80	50.80	6.35	1.640

Tees Die Number	Metric (mm)				
	A	B	C	Kg/m	
6171TEE	4.57	6.09	1.02	0.027	
1614TEE	5.00	20.00	1.40	0.089	
5982TEE	9.53	8.26	3.18/1.60	0.104	
5997TEE	10.00	10.00	2.00	0.098	
3466TEE	10.00	19.00	1.50	0.112	
6009TEE	12.00	12.00	2.00	0.119	
5389TEE	16.00	6.00	1.20	0.067	
5589TEE	16.00	6.00	2.00	0.106	
3488TEE	28.00	7.50	1.50/1.00	0.276	
6133TEE	28.00	24.00	3.00	0.398	
2981TEE	31.50	6.20	0.90	0.087	
3536TEE	31.00	6.00	1.00	0.098	
3175TEE	31.75	14.33	1.63	0.196	
1001TEE	31.75	20.00	2.00/1.75	0.258	
1518TEE	32.00	9.00	1.00	0.108	
3740TEE	40.00	20.00	2.00	0.314	
4791TEE	40.64	38.10	2.36	0.417	
2949TEE	42.00	18.00	2.00	0.314	
1952TEE	49.00	18.00	1.50	0.265	
4067TEE	50.00	16.00	4.00/3.00	0.639	
4017TEE	Leg off set	63.00	13.00	2.00	0.493

Flat Bars



Flat Bars Die Number	Imperial (inches)		Metric (mm)		Kg/m
	A	B	A	B	
2571SFB	3/16	1/8	4.76	3.18	0.041
1554SFB	1/4	0.12	6.35	2.92	0.050
1974SFB	1/4	1/8	6.35	3.18	0.054
3089SFB	5/16	0.13	7.94	3.25	0.068
3090SFB	5/16	0.16	7.94	4.06	0.087
2570SFB	5/16	3/16	7.94	4.76	0.102
1325SFB	5/16	1/8	7.94	3.18	0.068
1057SFB	3/8	1/8	9.53	3.18	0.082
1881SFB	3/8	3/16	9.53	4.76	0.121
1142SFB	3/8	1/4	9.53	6.35	0.162
1202SFB	1/2	1/16	12.70	1.59	0.054
1511SFB	1/2	14G	12.70	2.03	0.070
2092SFB	1/2	3/32	12.70	2.36	0.081
2075SFB	1/2	3/32	12.70	2.63	0.090
1035SFB	1/2	1/8	12.70	3.18	0.110
1163SFB	1/2	3/16	12.70	4.76	0.164
1041SFB	1/2	1/4	12.70	6.35	0.219
2617SFB	5/8	1/16	15.88	1.58	0.068
1053SFB	5/8	1/8	15.88	3.18	0.136
1067SFB	5/8	1/2	15.88	12.70	0.548
1154SFB	3/4	1/16	19.05	1.59	0.082
1058SFB	3/4	1/8	19.05	3.18	0.164
1355SFB	3/4	3/16	19.05	4.76	0.246
1032SFB	7/8	3/32	22.25	2.35	0.142
1298SFB	7/8	1/8	22.23	3.18	0.192
1845SFB	1	1/16	25.40	1.59	0.109
1031SFB	1	0.08	25.40	2.03	0.140
1383SFB	1	1/8	25.40	3.18	0.219
2516SFB	1	3/16	25.40	4.76	0.328
2057SFB	Full Radius	1	25.40	6.35	0.435
3191SFB	Full Radius	1	25.40	12.70	0.874
1402SFB	11/4	1/8	31.75	3.18	0.274
3204SFB	13/8	3/16	34.92	4.76	0.450
1030SFB	2	1/8	50.80	3.18	0.438
5299SFB			3.00	1.50	0.012
6186SFB			3.50	1.50	0.014

Flat Bars Die Number	Metric (mm)			
	A	B	Kg/m	
2133SFB	3.81	3.56	0.037	
5640SFB	4.00	0.90	0.010	
1512SFB	5.00	4.00	0.054	
2161SFB	5.50	2.00	0.030	
5639SFB	6.00	1.20	0.020	
3639SFB	6.00	3.00	0.049	
1799SFB	6.00	4.00	0.065	
5582SFB	6.02	3.35	0.055	
3267SFB	6.10	2.41	0.040	
3443SFB	6.10	3.05	0.050	
1621SFB	6.40	2.41	0.042	
1778SFB	7.00	0.90	0.017	
5815SFB	7.20	2.00	0.038	
3289SFB	7.30	2.00	0.039	
3034SFB	7.50	2.50	0.051	
2267SFB	7.94	3.18	0.068	
3141SFB	8.00	2.00	0.043	
1536SFB	8.00	2.64	0.057	
2954SFB	8.00	3.00	0.065	
4750SFB	8.75	3.00	0.071	
4003SFB	9.30	2.30	0.057	
3444SFB	9.40	3.96	0.101	
1780SFB	9.50	1.60	0.041	
5983SFB	9.53	3.18	0.082	
3900SFB	10.00	3.00	0.081	
1663SFB	10.00	5.45	0.147	
2269SFB	10.00	6.00	0.162	
1718SFB	11.00	3.70	0.110	
5831SFB	12.00	2.00	0.063	
4642SFB	12.00	4.00	0.130	
2046SFB	12.00	8.00	0.259	
3709SFB	12.50	2.00	0.068	
4847SFB	12.70	17.50	0.600	
2375SFB	14.00	4.00	0.152	
3602SFB	14.00	6.00	0.228	
3768SFB	14.80	3.00	0.120	
6097SFB	7.62	2.50	0.052	
6116SFB	28.00	3.00	0.223	
6186SFB	3.50	1.50	0.014	
6472SFB	12.70	1.80	0.059	
6781SFB	65.0	6.0	1.057	
6782SFB	65.0	8.0	1.409	
6783SFB	65.0	10.0	1.762	
6794SFB	0.5 Corner rad.	12.0	6.0	0.194
7207SFB	Full Rad.	18.0	4.0	0.186



Flat Bars



Flat Bars Die Number	Metric (mm)		
	A	B	Kg/m
3534SFB	15.00	1.63	0.066
2706SFB	15.50	6.00	0.252
1806SFB	15.50	10.50	0.439
1061SFB	16.00	12.00	0.522
5977SFB	16.51	7.01	0.310
3722SFB	17.00	4.00	0.184
3404SFB	17.50	9.00	0.429
3533SFB	18.00	1.50	0.066
1347SFB	18.00	2.90	0.138
3342SFB	19.00	2.00	0.102
3708SFB	19.00	6.40	0.330
1830SFB	20.00	2.00	0.108
2438SFB	20.00	4.00	0.217
3160SFB	20.00	16.00	0.867
3333SFB	22.00	4.00	0.283
3451SFB	23.00	4.00	0.249
1588SFB	25.00	3.20	0.217
6116SFB	28.00	3.00	0.223
3458SFB	28.00	4.00	0.304
5915SFB	28.57	5.55	0.424
4697SFB	28.75	4.76	0.370
1730SFB	30.00	1.50	0.122
4979SFB	35.00	10.00	0.948
2847SFB	38.00	3.00	0.309
3422SFB	40.00	6.00	0.650
2796SFB	40.00	16.00	1.730
2846SFB	44.00	3.00	0.358
4198SFB	44.50	8.00	0.964
3353SFB	60.00	3.25	0.528

Round Bars Die Number	Imperial (inches)	Metric (mm)	
	A	A	Kg/m
1579SRB	5/32	3.97	0.033
1143SRB	3/16	4.76	0.051
1131SRB	1/4	6.35	0.086
1312SRB	5/16	7.94	0.134
1613SRB	3/8	9.53	0.192
2812SRB	7/16	11.11	0.263
2815SRB	1/2	12.70	0.343
1756SRB		3.00	0.019
1605SRB		5.00	0.053
2135SRB		5.50	0.064
3690SRB		5.89	0.074
1606SRB		6.00	0.076
3394SRB		6.33	0.085
5608SRB		6.35	0.086
1575SRB		6.50	0.091
6755SRB	1/8	3.18	0.021

Square Bars Die Number	Imperial (inches)	Metric (mm)	
	A	B	Kg/m
2193SQB	1/8	3.18	0.027
1332SQB	3/16	4.76	0.062
1050SQB	1/4	6.35	0.109
1068SQB	3/8	9.53	0.247
1051SQB	1/2	12.70	0.438
1066SQB	5/8	15.88	0.684
4181SQB		4.00	0.043
5398SQB		4.67	0.059
3399SQB		5.00	0.068
2636SQB		6.00	0.098
2031SQB		7.62	0.157
2106SQB		8.00	0.173
2270SQB		10.00	0.271
1829SQB		12.00	0.389

Hexagonal Bars/Round Tubes



Hexagonal Bars Die Number	Imperial (inches)		Metric (mm)		Kg/m
	A		A		
1699HEX	3/16		4.77		0.053
2108HEX			6.30		0.100
1586HEX			6.35		0.095
1652HEX	9/32		7.14		0.120
3600HEX	3/8		9.53		0.213
1926HEX	7/16		11.11		0.290
2402HEX	5/8		15.88		0.592
4104HEX			3.86		0.035
1653HEX			4.00		0.038
2109HEX			5.50		0.076
1596HEX			6.00		0.084
4730HEX			6.73		0.106
1886HEX			7.00		0.115
3416HEX			8.00		0.150
1350HEX			8.23		0.168
1590HEX			10.00		0.235
6671HEX			7.9		0.146
6717HEX			11.0		0.284

Round Tubes Die Number	Imperial (inches)		Metric (mm)		Kg/m
	A	T	A	T	
1645SRT	1/4	20G	6.35	0.91	0.042
3153SRT	1/4	18G	6.35	1.22	0.053
1670SRT	1/4	16G	6.35	1.63	0.065
3721SRT	1/4	5/64	6.35	1.98	0.074
6452SRT			7.885	0.91	0.054
1634SRT	5/16	20G	7.94	0.91	0.056
3703SRT	5/16		7.94	1.24	0.070
1594SRT	3/8	20G	9.53	0.91	0.066
1517SRT	3/8	18G	9.53	1.22	0.086
1508SRT	3/8	16G	9.53	1.63	0.109
2593SRT	3/8	9/64	9.53	2.98	0.166
6478SRT			10.00	3.025	0.180
1644SRT	5/16	16G	7.94	1.63	0.086

Round Tubes Die Number	Imperial (inches)		Metric (mm)		Kg/m
	A	T	A	T	
1635SRT	7/16	16G	11.11	1.63	0.131
2000SRT	1/2	20G	12.70	0.91	0.092
1501SRT	1/2	18G	12.70	1.22	0.118
1561SRT	1/2	16G	12.70	1.63	0.153
1509SRT	5/8	18G	15.88	1.22	0.152
2790SRT	5/8	16G	15.88	1.63	0.186
2351SRT	5/8	5/32	15.88	3.98	0.403
2063SRT	11/16	1/16	17.46	1.59	0.215
2066SRT	23/32	1/16	18.26	1.59	0.225
2500SRT	3/4	20G	19.05	0.91	0.141
1560SRT	3/4	18G	19.05	1.22	0.185
3002SRT	3/4	17G	19.05	1.42	0.210
2064SRT	3/4	5/8	19.05	1.59	0.236
1589SRT	7/8	18G	22.23	1.22	0.218
1564SRT	1	18G	25.40	1.22	0.250
2065SRT	1	1/16	25.40	1.59	0.322
3255SRT	13/16	5/32	30.15	3.97	0.883
6462SRT			32.00	3.50	0.849
2789SRT	11/8	16G	28.57	1.63	0.372
6502SRT			39.50	3.00	0.932
3016SRT			6.00	1.75	0.063
5197SRT			6.35	0.81	0.038
5538SRT			7.00	0.85	0.042
6556SRT			7.90	1.28	0.072
6199SRT			7.92	0.91	0.054
4941SRT			8.00	0.70	0.043
5609SRT			8.00	1.00	0.060
1599SRT			8.00	2.00	0.102
1945SRT			8.00	2.25	0.110
2290SRT			8.75	1.23	0.079
5974SRT			9.00	0.90	0.062
5822SRT			9.50	1.20	0.085
3889SRT			10.00	1.00	0.076

Round/Rectangle/Square



Round Tubes Die Number	Metric (mm)			
	A	T	Kg/m	
2882SRT	10.00	2.50	0.160	
1946SRT	10.00	3.00	0.179	
3919SRT	11.11	1.22	0.103	
5302SRT	11.20	0.50	0.046	
3830SRT	12.00	0.90	0.085	
6150SRT	12.00	1.25	0.114	
4686SRT	12.00	2.00	0.170	
2884SRT	12.00	2.75	0.217	
2883SRT	12.00	3.25	0.242	
5774SRT	14.45	2.60	0.262	
4415SRT	15.00	1.63	0.185	
5167SRT	15.88	1.22	0.152	
4168SRT	16.00	1.46	0.181	
2301SRT	16.76	1.14	0.152	
4169SRT	19.00	1.65	0.244	
1625SRT	20.00	1.00	0.162	
5364SRT	20.00	1.50	0.236	
4940SRT	20.63	1.59	0.256	
4416SRT	21.00	1.35	0.266	
5245SRT	22.22	2.35	0.396	
5958SRT	23.00	1.75	0.316	
4170SRT	24.00	1.55	0.296	
6299SRT	25.40	1.42	0.290	
6271SRT	25.65	4.165	0.762	
5107SRT	26.00	4.50	0.823	
4702SRT	27.00	1.00	0.220	
3917SRT	27.00	0.90	0.199	
2154SRT	32.50	2.00	0.519	
6533SRT	34.93	1.63	0.462	
6006SRT	50.40	1.90	0.795	
6613SRT	10.00	0.71	0.055	
6973SRT	+0.25 / -0 on internal diameter	32.70	1.80	0.473
6482SRT	+0.25 / -0 on internal diameter	32.90	1.80	0.476
6999SRT		9.66	0.90	0.067
7005SRT		6.35	1.00	0.046
7123SRT		37.00	1.50	0.453

Square Tubes Die Number	Imperial (inches)		Metric (mm)		
	A	T	A	T	Kg/m
1529SST	1/2	16G	12.70	1.63	0.207
1759SST	1	18G	25.40	1.22	0.252
1972SST	1	16G	25.40	1.63	0.320
6020SST			9.27	0.76	0.066
1591SST			15.00	1.00	0.152
5998SST			15.00	1.08	0.162
4997SST			15.00	1.20	0.180
1697SST			15.00	1.55	0.225
4996SST			15.87	1.59	0.246
4908SST			16.00	2.00	0.304
4190SST			19.05	1.22	0.236
6451SST	1.27mm Internal Radius		23.88	2.03	0.484
3224SST			25.65	1.35	0.355
1593SST			25.00	18G	0.315
2527SST			25.00	2.00	0.499

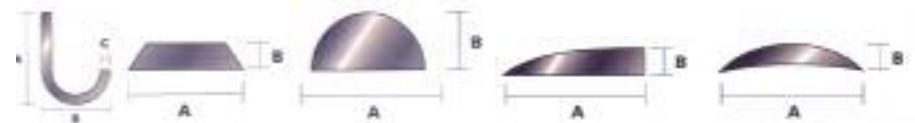
Rectangular Tubes Die Number	Imperial (inches)			Metric (mm)			Kg/m
	A	B	T	A	B	T	
2452RHS	1	3/8	18G	25.40	9.53	1.20	0.202
2648RHS	1	1/2	18G	25.40	21.70	1.22	0.236
4998RHS	1	1/2	1/16	25.40	21.70	1.62	0.306
4740RHS	1 1/2	3/4	3/64	38.10	19.05	1.22	0.347
3124RHS				18.00	8.50	1.50	0.191
2419RHS				19.00	11.00	1.50	0.220
5011RHS				19.05	9.53	1.21	0.172
5041RHS				23.88	57.15	3.33	1.420
3743RHS				25.00	20.00	3.00	0.634
5868RHS				25.40	8.00	1.00	0.165
4741RHS				34.85	15.80	1.63	0.455
3808RHS				39.45	12.70	1.63/2.30	0.466
3846RHS				40.00	20.00	2.00	0.607
5773RHS				40.64	22.10	1.27	0.382
6633RHS	Int. Rad.0.40 Ext.Rad. 2.03			34.85	15.80	1.63	0.409
7322RHS				41.28	22.23	3.25	1.004



J Sections Die Number	Imperial (inches)			Metric (mm)			Kg/m
	A	B	C	A	B	C	
1172JAY	1	1/2	1/16	25.40	12.70	1.59	0.170
1616JAY	15/8	3/4	1/16	34.92	19.05	1.50	0.226
2422JAY				37.50	7.00	2.00	0.289

Bevel Edge Bars Die Number	Imperial (inches)			Metric (mm)			Kg/m
	A	B	C	A	B	C	
1542BEB		5/8	3/8	15.88	9.53		0.109
2486BEB				11.80	2.00		0.062
3218BEB				14.00	5.00		0.150
2347BEB				15.70	3.85		0.146
2257BEB				40.00	2.00		0.205

Half Round Bars Die Number	Imperial (inches)			Metric (mm)			Kg/m
	A	B	C	A	B	C	
6135HRM					12.00	6.00	0.153
1276HRM		1/2	1/8		12.70	3.18	0.070
1037HRM		1/2	3/16		12.70	4.76	0.105
1270HRM		3/4	1/8		19.05	3.18	0.090
3442HRM		3/4	1/4		19.05	6.35	0.244
1277HRM		1	1/8		25.40	3.18	0.016
1147HRM		1	3/16		25.40	4.76	0.146
6135HRM					12.00	6.00	0.153
3205HRM					14.00	7.00	0.200
3783HRM					17.45	4.50	0.142
2465HRM					28.70	3.30	0.212
3936HRM					35.00	6.60	0.500



Half Round Bars Die Number	Imperial (inches)			Metric (mm)			Kg/m
	A	B	C	A	B	C	
6135HRM					12.00	6.00	0.153
1276HRM		1/2	1/8		12.70	3.18	0.070
1037HRM		1/2	3/16		12.70	4.76	0.105
1270HRM		3/4	1/8		19.05	3.18	0.090
3442HRM		3/4	1/4		19.05	6.35	0.244
1277HRM		1	1/8		25.40	3.18	0.160
1147HRM		1	3/16		25.40	4.76	0.146
6135HRM					12.00	6.00	0.153
3205HRM					14.00	7.00	0.200
3783HRM					17.45	4.50	0.142
2465HRM					28.70	3.30	0.212
3936HRM					35.00	6.60	0.500

Double Feathered Edge Die Number	Imperial (inches)			Metric (mm)			Kg/m
	A	B	C	A	B	C	
1942DFE		1/2	0.06		12.70	0.06	0.052
1141DFE		1	1/8		25.40	3.18	0.210
3400DFE		1 1/4	7/64		31.75	2.79	0.240
3725DFE					20.00	2.00	0.108
2204DFE		3.00mm Radius			36.00	4.00	0.378

Single Feathered Edge Die Number	Imperial (inches)			Metric (mm)			Kg/m
	A	B	C	A	B	C	
2858SFE		1/2	1/16		12.70	1.60	0.055
3143SFE					25.00	3.00	0.198

Z Sections



Z Sections Die Number	Imperial (inches)				Metric (mm)				Kg/m
	A	B	C	D	A	B	C	D	
3526ZED					4.00	11.00	10.00	1.00	0.065
3510ZED					4.00	13.00	11.00	1.00	0.071
2373ZED					8.00	18.85	10.00	1.00	0.094
3398ZED					9.00	3.20	7.50	1.60	0.072
1675ZED					10.00	12.00	12.00	2.00	0.162
1176ZED					10.00	15.00	12.00	2.00	0.178
3441ZED					11.50	33.50	11.50	1.50	0.217
3395ZED					14.00	12.00	20.00	2.00	0.228
4024ZED					15.00	14.50	15.00	1.60	0.179
4023ZED					15.00	16.00	15.00	1.60	0.185
3126ZED					16.00	7.00	16.00	2.00	0.190
3485ZED					18.00	41.00	24.00	3.00	0.626
3302ZED					19.00	25.00	19.00	3.00	0.463
1353ZED	3/4	3/4	3/4	1/16	19.05	19.05	19.05	1.59	0.238
1738ZED					20.00	11.20	25.00	1.20	0.174
1722ZED					20.00	16.20	20.00	1.20	0.175
3314ZED					21.50	13.00	11.50	1.50	0.174
5835ZED					23.00	45.00	20.00	2.00	0.455
3476ZED					23.00	29.00	26.00	5.00	0.854
3219ZED					25.00	17.00	30.00	5.00	0.840
3335ZED					25.00	23.00	30.00	3.00	0.585
5258ZED					25.40	44.45	25.40	3.18	0.765
1039ZED	1	1 1/4	1	1/8	25.40	31.74	25.40	3.18	0.662
3380ZED					30.00	11.50	30.00	1.50	0.278

Top Hat/H Sections



Top Hat Section Die Number	Metric (mm)				
	A	B	C	D	Kg/m
3724THS	25.00	15.00	7.00	2.00	0.189
3310THS	38.00	18.00	9.00	1.50	0.215
3209THS	51.00	25.50	14.00	3.20	0.629
4852THS	62.00	41.00	19.00	1.50	0.394

H Section Die Number	Metric (mm)				
	A	B	C	D	Kg/m
3282STH	5.00	6.00	1.00	1.00	0.038
3334STH	6.00	9.60	1.25	1.50	0.066
3369STH	6.00	10.10	1.25	3.00	0.110
3702STH	9.50	2.40	0.80	3.50	0.049
3354STH	10.00	4.00	1.00	1.00	0.059
3368STH	10.00	10.10	1.25	3.00	0.129
2775STH	12.00	6.00	2.00	2.00	0.152
3727STH	13.00	8.00	2.00	2.00	0.163
2261STH	24.00	38.50	4.00	4.00	0.846
5590STH	25.00	13.00	2.00	2.00	0.320
1921STH	25.00	15.00	3.00	3.00	0.478
5229STH	30.00	26.10	3.00	3.00	0.651
6078STH	31.00	31.00	2.00	2.00	0.482
2709STH	34.00	27.40	2.30	2.30	0.566
1786STH	34.00	30.40	2.30	2.30	0.582
3151STH	35.00	25.00	2.00	2.00	0.493
2639STH	44.00	31.40	3.00	3.00	0.922
2788STH	50.00	35.00	1.50	3.00	0.739
3165STH	50.00	35.00	2.00	2.00	0.710
3549STH	50.80	16.96	1.63	2.54	0.547