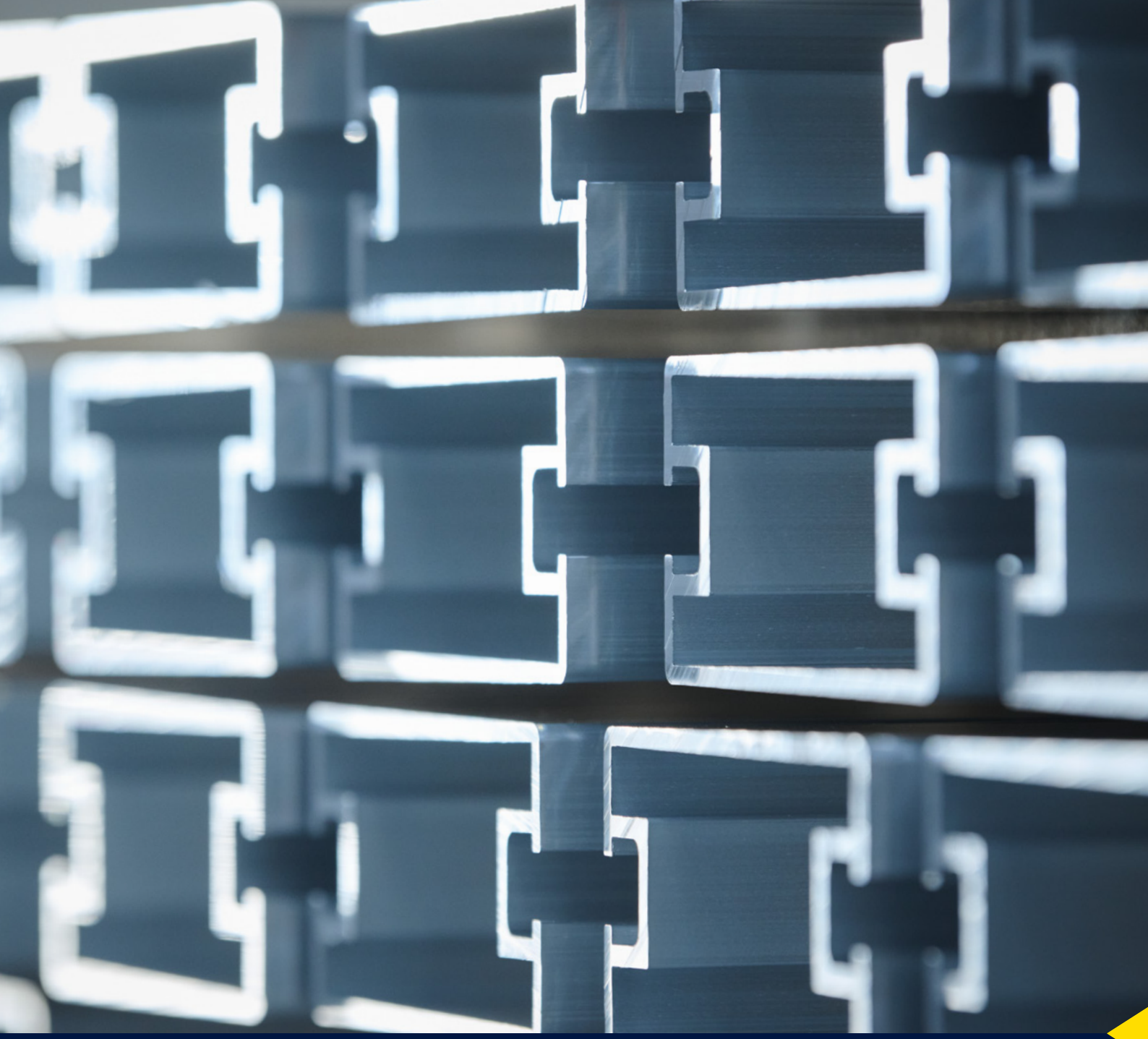

Aluminium

New Zealand Product Guide 2025

VULCAN.CO

VULCAN

Vulcan is your trusted, customer-focused supplier and processor of aluminium, stainless, carbon and engineering steels across New Zealand. We operate our own transport fleet, providing an end-to-end solution for our customers, from ordering to processing and delivery.

Vulcan Aluminium specialises in custom dies and extrusions tailored to customer requirements. Our experienced team, from sales to design engineers and plant operators, offer over 100 years of expertise. We work closely with customers from concept to completion, providing detailed drawings and 3D printed models if needed, to ensure a smooth process and delivery of accurate, high-quality extruded products.

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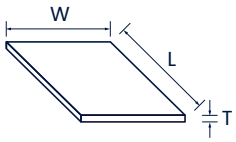
01

Rolled Product

Sheet & Plate - SA & PAL



Sheets available in 50µm PE Film and/or PE 100µm Laser Film.

Sheets less than 1.6mm come in stucco embossed.

*Sheets have thickness of 5mm & less.

Plate have thickness of 6mm & more.

Grade 5005

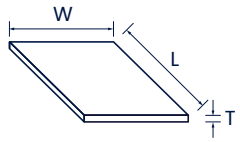
T (mm)	W (mm)	L (mm)	Alloy-Temper	Finish	Nominal Mass/Piece
0.45	900	2400	5005-H34	Mill Finish	2.634
0.7	1200	2400	5005-H34	Mill Finish	5.463
0.9	900	2400	5005-H34	Mill Finish	5.268
0.9	1200	2400	5005-H34	Mill Finish	7.024
0.9	1200	3000	5005-H34	Mill Finish	8.78
0.9	1500	3000	5005-H34	Mill Finish	10.976
0.9	1500	3600	5005-H34	Mill Finish	13.171
1.2	1200	2400	5005-H34	Mill Finish	9.366
1.2	1200	3000	5005-H34	Mill Finish	11.707
1.2	1200	3600	5005-H34	Mill Finish	14.049
1.2	1500	3000	5005-H34	Mill Finish	14.634
1.2	1500	3600	5005-H34	Mill Finish	17.561
1.6	1200	2400	5005-H34	Mill Finish	12.488
1.6	1200	3600	5005-H34	Mill Finish	18.732
1.6	1500	3000	5005-H34	Mill Finish	19.512
1.6	1500	3600	5005-H34	Mill Finish	23.414
2.0	900	2400	5005-H34	Mill Finish	11.707
2.0	1200	2400	5005-H34	Mill Finish	15.61
2.0	1500	3000	5005-H34	Mill Finish	24.39
2.0	1500	3600	5005-H34	Mill Finish	29.268
3.0	1200	2400	5005-H34	Mill Finish	23.414
3.0	1200	3000	5005-H34	Mill Finish	29.268
3.0	1500	3000	5005-H34	Mill Finish	36.585
3.0	1500	3600	5005-H34	Mill Finish	43.902
4.0	1200	2400	5005-H34	Mill Finish	31.219
4.0	1500	3000	5005-H34	Mill Finish	48.78
4.0	1500	3600	5005-H34	Mill Finish	58.536
5.0	1200	2400	5005-H34	Mill Finish	39.024
6.0	1200	2400	5005-H34	Mill Finish	46.829

Grade 5005

T (mm)	W (mm)	L (mm)	Alloy-Temper	Finish	Nominal Mass/Piece
0.7	1200	2400	5005-H34	Stucco	5.463
0.9	1200	2400	5005-H34	Stucco	7.024
1.2	1200	2400	5005-H34	Stucco	9.366
1.6	1200	2400	5005-H34	Stucco	12.488

Aluminium sheets and plates are manufactured to suit the requirements of distributors, stockists, and selected end users.

Sheet & Plate - SA & PAL *(continued)*



Sheets and plates* available in 50 micron clear or blue, 100 micron laser film.

*Sheets have thickness of 5mm & less.

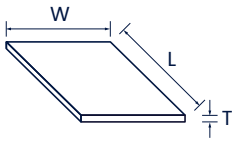
Plate have thickness of 6mm & more.

Grade 5052

T (mm)	W (mm)	L (mm)	Alloy-Temper	Finish	Nominal Mass/Piece
0.7	1200	2400	5052-H32	Mill Finish	5.46
0.9	1200	2400	5052-H32	Mill Finish	7.02
1.2	1200	2400	5052-H32	Mill Finish	9.37
1.6	1200	2400	5052-H32	Mill Finish	12.49
1.6	1500	3000	5052-H32	Mill Finish	19.51
1.6	1500	3600	5052-H32	Mill Finish	23.41
2.0	900	2400	5052-H32	Mill Finish	11.71
2.0	1200	2400	5052-H32	Mill Finish	15.61
2.0	1500	3000	5052-H32	Mill Finish	24.39
2.0	1500	3600	5052-H32	Mill Finish	29.27
2.5	900	2400	5052-H32	Mill Finish	14.63
2.5	1200	2400	5052-H32	Mill Finish	19.51
2.5	1500	3000	5052-H32	Mill Finish	30.49
2.5	1500	3600	5052-H32	Mill Finish	36.59
3.0	900	2400	5052-H32	Mill Finish	17.56
3.0	1200	2400	5052-H32	Mill Finish	23.41
3.0	1200	3000	5052-H32	Mill Finish	29.27
3.0	1200	3600	5052-H32	Mill Finish	35.12
3.0	1500	3000	5052-H32	Mill Finish	36.59
3.0	1500	3600	5052-H32	Mill Finish	43.9
3.0	1830	6100	5052-H32	Mill Finish	90.76
4.0	1200	2400	5052-H32	Mill Finish	31.22
4.0	1500	3000	5052-H32	Mill Finish	48.78
4.0	1500	3600	5052-H32	Mill Finish	58.54
4.0	1830	6100	5052-H32	Mill Finish	121.01
5.0	1200	2400	5052-H32	Mill Finish	39.02
5.0	1500	3000	5052-H32	Mill Finish	60.98
5.0	1500	3600	5052-H32	Mill Finish	73.17
6.0	1200	2400	5052-H32	Mill Finish	46.83
6.0	1500	3000	5052-H32	Mill Finish	73.17
8.0	1200	2400	5052-H32	Mill Finish	62.44
8.0	1200	3000	5052-H32	Mill Finish	78.05
8.0	1500	3000	5052-H32	Mill Finish	97.56

Aluminium sheets and plates are manufactured to suit the requirements of distributors, stockists, and selected end users.

Sheet & Plate – SA & PAL *(continued)*



Sheets and plates* available in 100 micron Lazer film.

*Sheets have thickness of 5mm & less.

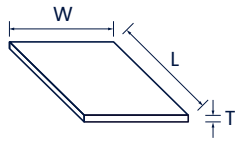
Plate have thickness of 6mm & more.

Grade 5083

T (mm)	W (mm)	L (mm)	Alloy-Temper	Finish	Nominal Mass/Piece
3.0	1200	2400	5083-H116	Mill Finish	23.414
3.0	1830	6100	5083-H116	Mill Finish	90.755
4.0	1200	2400	5083-H116	Mill Finish	31.219
4.0	1200	4800	5083-H116	Mill Finish	62.438
4.0	1830	6100	5083-H116	Mill Finish	121.007
4.0	2000	7100	5083-H116	Mill Finish	153.928
5.0	1200	2400	5083-H116	Mill Finish	39.024
5.0	1200	6100	5083-H116	Mill Finish	99.186
5.0	1830	6100	5083-H116	Mill Finish	151.259
6.0	1200	2400	5083-H116	Mill Finish	46.829
6.0	1200	6100	5083-H116	Mill Finish	119.023
6.0	1830	6100	5083-H116	Mill Finish	181.51
8.0	1200	2400	5083-H116	Mill Finish	62.438
8.0	1830	6100	5083-H116	Mill Finish	242.014
10.0	1200	2400	5083-H116	Mill Finish	78.048
10.0	1830	6100	5083-H116	Mill Finish	302.517
12.0	1200	2400	5083-H116	Mill Finish	93.658
12.0	1830	6100	5083-H116	Mill Finish	363.021
16.0	1200	2400	5083-H116	Mill Finish	124.877
16.0	1830	6100	5083-H116	Mill Finish	484.028
20.0	1200	2400	5083-H116	Mill Finish	156.096
20.0	1830	6100	5083-H116	Mill Finish	605.035
25.0	1200	2400	5083-H116	Mill Finish	195.12
25.0	1830	6100	5083-H116	Mill Finish	756.293
32.0	1200	2400	5083-H116	Mill Finish	249.754

Aluminium sheets and plates are manufactured to suit the requirements of distributors, stockists, and selected end users.

Sheet & Plate - SA & PAL *(continued)*



Sheets and plates* available in blue and 100 micron laser film.

*Sheets have thickness of 5mm & less.

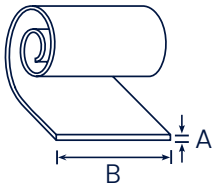
Plate have thickness of 6mm & more.

Grade 6061

T (mm)	W (mm)	L (mm)	Alloy-Temper	Finish	Nominal Mass/Piece
6.0	1200	2400	6061	Mill Finish	46.829
8.0	1200	2400	6061	Mill Finish	62.438
10.0	1200	2400	6061	Mill Finish	78.048
12.0	1200	2400	6061	Mill Finish	93.658
16.0	1200	2400	6061	Mill Finish	124.877
20.0	1200	2400	6061	Mill Finish	156.096
25.0	1200	2400	6061	Mill Finish	195.12
32.0	1200	2400	6061	Mill Finish	249.754
40.0	1200	2400	6061	Mill Finish	312.192
50.8	1200	2400	6061	Mill Finish	396.484
65.0	1200	2400	6061	Mill Finish	507.312
80.0	1200	2400	6061	Mill Finish	624.384
101.6	1200	2400	6061	Mill Finish	792.968

Aluminium sheet and plate products are manufactured to suit the requirements of distributors, stockists, and selected end users.

Coil - CAU



Grade 3003/5005/5052

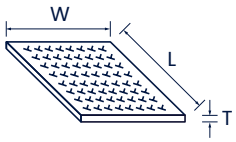
A mm	B mm	L (mm)	Alloy-Temper	Finish	Nominal Mass/Piece
0.45	600		3003-H32	Mill Finish	
0.7	1200		5005-H34	Mill Finish	
0.9	2450		300-/H16	Mill Finish	
0.9	1200		5005-H32	Mill Finish	
0.9	1200		5005-H34	Mill Finish	
1.2	1200		5052-H32	Mill Finish	
1.2	2450		3003-H16	Mill Finish	
1.2	1200		5005-H32	Mill Finish	
1.2	1200		5052-H32	Mill Finish	
1.6	1200		5005-H34	Mill Finish	
1.6	1200		5052-H32	Mill Finish	
1.6	1200		5005-H34	Mill Finish	
1.6	1200		5052-H32	Mill Finish	
2.0	1200		5005-H34	Mill Finish	
2.0	1200		5052-H32	Mill Finish	
3.0	1232		5052-H32	Mill Finish	

Grade 5052/5005

A mm	B mm	L (mm)	Alloy/Temper	Finish	Nominal Mass/Piece
0.7	1220		5052-H34	Stucco	
0.9	1220		5005-H34	Stucco	

Aluminium coil products are manufactured to suit the requirements of distributors, stockists, and selected end users.

Treadplate - PTA



Grade 3003 - Propeller Pattern

T (mm)	W (mm)	L (mm)	Alloy-Temper	Finish	Nominal Mass/Piece
1.6	1200	2400	3003-H224	Mill/Bright Polish Finish	14.423
3.0	1200	2400	3003-H224	Mill/Bright Polish Finish	25.66

Grade 5052

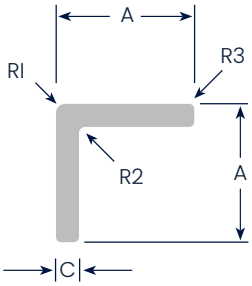
T (mm)	W (mm)	L (mm)	Alloy-Temper	Finish	Nominal Mass/Piece
1.6	1200	2400	5052 O-H114	Mill Finish	12.488
2.0	1200	2400	5052 O-H114	Mill Finish	15.61
2.5	1200	2400	5052 O-H114	Mill Finish	19.512
3.0	1200	2400	5052 O-H114	Mill Finish	23.414
3.0	1200	3000	5052 O-H114	Mill Finish	29.268
3.0	1200	3600	5052 O-H114	Mill Finish	35.122
3.0	1500	3000	5052 O-H114	Mill Finish	36.585
3.0	1500	3600	5052 O-H114	Mill Finish	43.902
3.0	1500	4800	5052 O-H114	Mill Finish	58.536
4.0	1200	2400	5052 O-H114	Mill Finish	31.219
5.0	1200	2400	5052 O-H114	Mill Finish	39.024
5.0	1500	6100	5052-H224	Mill Finish	123.983
5.0	1830	6100	5052-H224	Mill Finish	151.259
6.0	1200	2400	5052 O-H114	Mill Finish	46.829
6.0	1830	6100	5052-H224	Mill Finish	182.493

Aluminium treadplates are manufactured to suit the requirements of distributors, stockists, and selected end users.

02/

Standard Profiles

Equal Angle - AEA



R = Radiused Corner
P = Ext Periphery
F = Full Radius

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

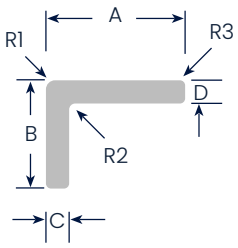
Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.

Radius abbreviated with (-), contact your local branch for specifications.

Die No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 2071	10.00		1.60					0.080	40
UA 1090	12.00		1.60					0.097	48
UA 1097	12.00		3.00					0.170	48
UA 1091	15.00		1.60					0.123	60
UA 1092	20.00		1.60					0.166	80
UA 1101	20.00		3.00					0.299	80
UA 1094	25.00		1.60					0.210	100
UA 1103	25.00		3.00					0.382	100
UA 1113	25.00		4.50					0.555	100
UA 1121	25.00		6.00					0.715	100
UA 1096	30.00		1.60					0.253	120
UA 1105	30.00		3.00					0.463	120
UA 1612	30.00		4.50					0.677	120
UA 1532	30.00		6.00					0.875	120
UA 2503	30.00		6.00	3.00		I.50	F	0.850	113
UA 5854	32.00		3.00	0.50		0.50	0.50	0.494	127
UA 2812	35.00		4.50					0.799	140
UA 1099	40.00		1.60					0.340	160
UA 1107	40.00		3.00					0.626	160
UA 1114	40.00		4.50					0.920	160
UA 1122	40.00		6.00					1.203	160
UA 2502	40.00		6.00	3.00		I.50	F	1.178	153
UA 1100	50.00		1.60					0.426	200
UA 2714	50.00		2.00					0.531	200
UA 1110	50.00		3.00					0.785	200
UA 3089	50.00		4.00	0.50		0.50	0.50	1.036	199
UA 1116	50.00		4.50					1.160	200
UA 1123	50.00		6.00					1.523	200
UA 5279	50.00		6.00	0.50		6.00	0.50	1.543	197
UA 1129	50.00		9.00					2.219	200
UA 1711	60.00		6.00					1.853	240
UA 1124	65.00		6.00					2.016	260
UA 2167	75.00		3.00					1.195	300
UA 1526	75.00		4.50					1.768	300
UA 1126	75.00		6.00					2.341	300
UA 1527	75.00		9.00					3.426	300
UA 1712	80.00		6.00					2.504	320
UA 1127	90.00		6.00					2.829	360
UA 1118	100.00		6.00					3.143	400
UA 10581	100.00		10.00		0.80	0.50	0.80	5.128	399

Unequal Angle - AUA



R = Radiused Corner
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F = Full Radius

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

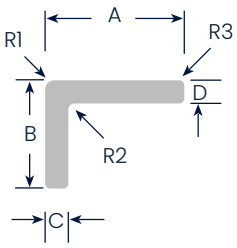
Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.

Radius abbreviated with (-), contact your local branch for specifications.

Die No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 1533	19.05	9.53	1.59					0.116	57
UA 1731	20.00	12.00	1.60					0.131	64
UA 1102	22.00	12.00	3.00					0.252	68
UA 1534	22.23	9.53	1.59					0.130	64
UA 1093	25.00	12.00	1.60					0.153	74
UA 1535	25.00	12.00	3.00					0.276	74
UA 1857	25.00	19.00	1.20					0.138	88
UA 1732	25.00	20.00	1.60					0.187	90
UA 1529	25.00	20.00	3.00					0.340	90
UA 1530	30.00	20.00	1.60					0.209	100
UA 1104	30.00	20.00	3.00					0.382	100
UA 1095	30.00	25.00	1.60					0.231	110
UA 1531	30.00	25.00	2.50					0.354	110
UA 2943	32.00	20.00	1.60					0.218	104
UA 1524	38.00	25.00	3.00					0.488	126
UA 1651	40.00	12.00	1.60					0.218	104
UA 4556	40.00	12.00	3.00					0.397	104
UA 1098	40.00	20.00	1.60					0.253	120
UA 4493	40.00	20.00	3.00					0.461	120
UA 2295	40.00	20.00	4.00		0.50		0.50	0.604	119
UA 1068	40.00	25.00	1.60					0.275	130
UA 1106	40.00	25.00	3.00					0.504	130
UA 2599	42.00	25.00	2.00					0.351	134
UA 1926	50.00	20.00	1.60					0.295	140
UA 1108	50.00	20.00	3.00					0.544	140
UA 2848	50.00	25.00	1.60					0.318	150
UA 1109	50.00	25.00	3.00					0.585	150
UA 1974	50.00	30.00	1.60					0.349	160
UA 1115	50.00	40.00	4.50					1.042	180
UA 2378	60.00	30.00	6.00					1.361	180
UA 3031	60.00	30.00	6.00		3.00	1.50	F	1.336	173
UA 1111	65.00	25.00	3.00					0.707	180
UA 2776	70.00	25.00	2.00					0.504	190
UA 1112	75.00	25.00	3.00					0.788	200
UA 3785	75.00	25.00	6.00		0.50		0.50	1.522	199
UA 3504	75.00	30.00	4.50		0.50		0.50	1.220	209

Unequal Angle - AUA *(continued)*



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P = Ext Periphery
F = Full Radius

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

Contact your local branch to enquire.

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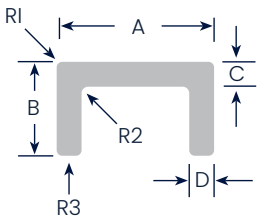
Radius abbreviated with (-), contact your local branch for specifications.

Die No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 1525	75.00	50.00	3.00					0.988	250
UA 1117	75.00	50.00	4.50					1.469	250
UA 1125	75.00	50.00	6.00					1.935	250
UA 3100	85.00	20.00	3.00					0.826	210
UA 1614	90.00	60.00	6.00					2.341	300
UA 1615	90.00	65.00	6.00					2.422	310
UA 3870	100.00	25.00	3.00					0.988	250
UA 2078	100.00	50.00	2.00					0.802	300
UA 2048	100.00	50.00	3.00					1.195	300
UA 2805	100.00	50.00	4.50					1.774	300
UA 1119	100.00	50.00	6.00					2.333	300
UA 3537	100.00	75.00	6.00		11.00	5.00	F	3.606	338
UA 3861	100.00	75.00	8.00		0.50		0.50	5.281	347
UA 1528	100.00	75.00	12.00					4.398	350
UA 5335	115.00	75.00	9.00					4.398	380
UA 2984	125.00	40.00	6.00					2.585	330
UA 4589	130.00	54.00	2.00					0.983	368
UA 9156	150.00	50.00	6.00		0.50	0.50	0.50	3.142	399
UA 6468	150.00	75.00	3.00		0.50	0.50	0.50	1.798	449
UA 1120	150.00	75.00	6.00					3.548	450
UA 1128	150.00	75.00	9.00					5.268	450

Channel - CHA



R = Radiused Corner
P = Ext Periphery
F = Full Radius

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

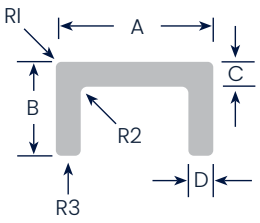
Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.

Radius abbreviated with (-), contact your local branch for specifications.

Die No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 3768	9.50	13.00	2.40	1.60				0.153	66
UA 1130	10.00	10.00	1.60	1.60				0.116	57
UA 1374	10.00	15.00	1.60	1.50				0.151	76
UA 1713	12.00	12.00	1.60	1.60				0.142	68
UA 1134	12.00	12.00	2.50	2.50				0.210	67
UA 1131	12.00	18.00	1.60	1.60				0.193	92
UA 4077	12.00	20.00	2.50	2.50				0.317	99
UA 1609	14.50	14.50	1.35	1.35				0.149	85
UA 1132	16.00	11.00	1.60	1.60				0.151	72
UA 3614	16.20	16.20	1.60	1.60				0.196	94
UA 1137	17.00	12.00	3.00	3.00				0.284	76
UA 1560	17.46	31.75	2.54	2.54				0.520	157
UA 3228	18.00	22.00	2.00	2.00	1.00			0.312	119
UA 1568	19.05	19.05	2.50	2.50				0.353	109
UA 1617	20.00	20.00	3.00	3.00				0.439	114
UA 1567	22.00	12.00	1.50	1.50				0.174	89
UA 1138	22.00	22.00	3.00	3.00				0.487	126
UA 3482	25.00	12.00	3.00	3.00				0.348	92
UA 2947	25.00	20.00	1.60	1.60				0.268	126
UA 1139	25.00	22.00	3.00	3.00				0.512	132
UA 1573	25.00	25.00	1.40	1.40				0.273	148
UA 1133	25.00	25.00	1.60	1.60				0.310	146
UA 1140	25.00	25.00	3.00	3.00				0.559	144
UA 5214	25.00	27.00	8.00	6.00	0.50		0.50	1.155	141
UA 3327	25.00	50.00	2.00	2.00				0.653	246
UA 1654	25.00	50.00	3.00	3.00				0.967	244
UA 2959	29.80	50.00	2.20	2.20	0.50	0.50	0.50	0.747	254
UA 5756	30.00	15.00	2.00	2.00				0.302	115
UA 1141	30.00	25.00	3.00	3.00				0.601	154
UA 3226	30.00	50.00	2.00	2.00				0.680	256
UA 2244	32.00	20.00	3.00	3.00				0.534	137
UA 5540	32.00	30.00	3.00	1.50				0.478	178
UA 1142	40.00	12.00	3.00	3.00				0.471	122
UA 3615	40.00	16.50	1.50	1.50				0.265	143
UA 1143	40.00	20.00	3.00	3.00				0.601	154
UA 1655	40.00	25.00	3.00	3.00				0.680	174

Channel - CHA *(continued)*



R = Radiused Corner
P = Ext Periphery
F = Full Radius

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

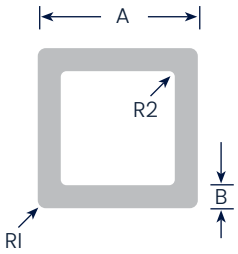
Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.

Radius abbreviated with (-), contact your local branch for specifications.

Die No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 1144	45.00	25.00	3.00	3.00				0.723	184
UA 1145	50.00	25.00	3.00	3.00				0.764	194
UA 6494	50.00	50.00	3.00	3.00	0.50	0.50	0.50	1.166	293
UA 1562	50.80	34.92	3.175	3.175				0.980	235
UA 6878	55.00	25.00	1.45	1.45				0.399	207
UA 1148	57.00	30.00	4.00	4.00				1.181	226
UA 6929	60.00	25.00	3.00	3.00				0.842	213
UA 1563	63.50	31.75	4.763	4.763				1.510	244
UA 2169	70.00	30.00	2.50	2.50		1.00		0.848	254
UA 1671	75.00	25.00	3.00	3.00				0.964	244
UA 1862	75.00	40.00	3.00	3.00				1.207	304
UA 1147	75.00	40.00	4.50	4.50				1.774	301
UA 5251	75.00	40.00	6.00	6.00	0.50	0.50	0.50	2.316	297
UA 1149	75.00	40.00	6.00	8.00				2.693	298
UA 1565	75.00	50.00	4.50	4.50				2.017	341
UA 1656	75.00	50.00	6.00	6.00				2.650	338
UA 1564	76.20	19.05	3.18	3.18				0.930	222
UA 2948	80.00	25.00	3.00	3.00				1.008	254
UA 3206	87.60	45.00	4.50	4.50				2.048	346
UA 1150	90.00	40.00	6.00	8.00				2.937	328
UA 7409	99.00	25.00	2.00	2.00	0.50	0.50	0.50	0.782	292
UA 1135	100.00	25.00	3.00	3.00				1.170	294
UA 7171	100.00	38.00	3.00	3.00				1.376	345
UA 1136	100.00	40.00	3.00	3.00				1.414	354
UA 3130	100.00	50.00	3.00	3.00				1.571	394
UA 1146	100.00	50.00	4.50	4.50				2.320	391
UA 1566	100.00	50.00	6.00	6.00				3.056	388
UA 1652	100.00	50.00	6.00	8.00				3.534	388
UA 5302	125.00	50.00	4.00	8.00	2.00	2.00	2.00	3.328	436
UA 5058	125.00	50.00	6.00	8.00	0.50	0.50	0.50	3.925	437
UA 1653	150.00	75.00	6.00	8.00				5.410	588
UA 5099	160.00	60.00	6.00	9.00	0.50	0.50	3.00	5.226	545

Square Hollow - SHS



R = Radiused Corner
P = Ext Periphery
F = Full Radius

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

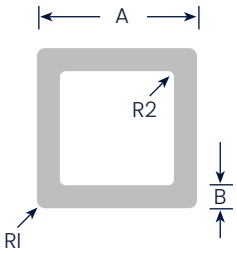
Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.

Radius abbreviated with (-), contact your local branch for specifications.

Die No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 1206	12.0	1.6						0.180	48
UA 2095	12.6	1.5						0.181	50
UA 1662	16.0	1.5						0.235	64
UA 1869	19.0	1.5			2.0	0.5		0.275	73
UA 1810	19.09	1.2						0.233	76
UA 1207	20.0	1.6			1.0			0.317	78
UA 5861	20.0	3.0			3.0	3.0		0.551	75
UA 1050	25.0	1.4						0.358	100
UA 1650	25.0	1.4			1.6	1.0		0.355	98
UA 1765	25.0	1.6			1.0			0.402	99
UA 1210	25.0	1.8						0.452	100
UA 1912	25.0	1.8			2.4			0.438	96
UA 2170	25.0	3.0						0.713	100
UA 4661	25.0	3.0			3.0	3.0		0.713	95
UA 1546	25.0	4.5						0.996	100
UA 2467	25.0	5.0			2.5			1.066	96
UA 1642	25.4	1.2						0.313	102
UA 1205	30.0	1.6						0.493	120
UA 5815	32.0	1.8			3.8	2.0		0.563	122
UA 2006	32.0	2.0						0.648	128
UA 5904	32.0	3.0			3.0			0.919	123
UA 2971	32.0	3.6						1.108	128
UA 4078	35.0	2.0						0.713	140
UA 2487	35.0	4.5			0.5	0.5		1.482	140
UA 7170	**38.0**	**1.6**			**2.0**			**0.620**	**149**
UA 1764	40.0	1.8			1.0			0.743	159
UA 1211	40.0	2.0						0.821	155
UA 1212	40.0	2.0			2.4			0.807	156
UA 6578	40.0	3.0			0.5	0.5		1.199	160
UA 4062	40.0	3.0			3.0			1.178	155
UA 4662	40.0	3.0			3.0	2.0		1.187	155
UA 2808	40.0	4.0						1.561	160
UA 6249	**40.0**	**4.0**			**3.0**			**1.534**	**155**
UA 2466	40.0	5.0			2.5			1.876	156
UA 1049	45.0	2.0						0.929	180
UA 1208	50.0	1.6			1.0			0.834	199
UA 2949	50.0	2.0						1.037	200

Square Hollow - SHS *(continued)*



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Blue = Mill run only. Non stocked item.

Minimum order 250kg.

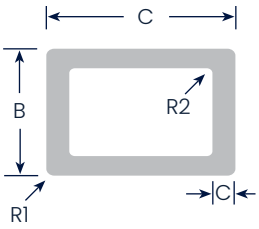
Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.

Radius abbreviated with (-), contact your local branch for specifications.

Die No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 3298	50.00	2.00			4.00	2.00		1.009	194
UA 1214	50.00	3.00						1.523	200
UA 4663	**50.00**	**3.00**			**3.00**	**3.00**		**1.523**	**195**
UA 3178	50.00	3.00			4.00	1.00		1.488	194
UA 2809	50.00	4.00						1.994	200
UA 3068	50.00	5.00			4.00	4.00		2.439	194
UA 3346	60.00	3.00						1.847	240
UA 4076	63.20	6.30			0.50	0.50		3.871	252
UA 4664	65.00	3.00			5.00	5.00		2.009	252
UA 1215	75.00	3.00						2.341	300
UA 4832	75.00	3.00			4.45	6.30		2.379	293
UA 1547	75.00	4.50						3.696	300
UA 6933	**75.00**	**5.00**			**6.00**	**1.00**		**3.699**	**290**
UA 4075	76.00	6.30			0.50	0.50		4.742	304
UA 1213	100.00	3.00						3.143	400
UA 3350	100.00	3.50			5.00	1.50		3.595	392
UA 4627	100.00	4.00			4.60			4.099	393
UA 3825	100.00	4.50						4.641	400
UA 4302	**100.00**	**5.00**			**0.50**	**0.50**		**5.130**	**400**
UA 5721	100.00	6.00			12.00	6.00		5.841	380
UA 7525	150.00	3.00			3.00	1.60		4.748	595

Rectangular Hollow - RHS



R = Radiused Corner
P = Ext Periphery
F = Full Radius

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

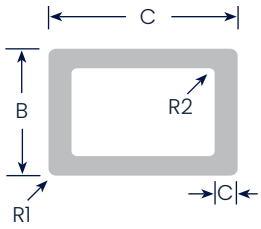
Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.

Radius abbreviated with (-), contact your local branch for specifications.

Die No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 7454	30.00	10.00	1.60					0.318	80
UA 4981	**38.00**	**25.00**	**1.60**		**1.00**			**0.514**	**125**
UA 3619	38.00	25.00	2.00		1.00			0.635	125
UA 5051	40.00	14.90	3.00		2.50	0.50		0.778	106
UA 1988	40.00	20.00	1.60					0.491	120
UA 5489	40.00	20.00	1.60		1.80			0.483	117
UA 2811	40.00	20.00	3.00					0.875	120
UA 3361	40.00	25.00	1.60					0.534	130
UA 1979	40.00	25.00	2.00					0.659	130
UA 2944	40.00	25.00	3.00					0.959	130
UA 2806	40.00	30.00	2.50					0.877	140
UA 4772	50.00	25.00	1.60		1.60			0.614	148
UA 1197	50.00	25.00	2.50					0.948	150
UA 2945	50.00	25.00	3.00					1.122	150
UA 4635	50.00	25.00	3.00		4.00	1.00		1.083	144
UA 3067	50.00	25.00	5.00		4.00	4.00		1.762	144
UA 2654	50.00	30.00	2.00					0.824	160
UA 2461	50.00	38.00	2.00		3.00	1.00		0.889	171
UA 1200	50.00	40.00	3.00					1.361	180
UA 4721	50.00	40.00	3.00		10.00	7.00		1.243	163
UA 2810	50.00	40.00	4.00					1.771	180
UA 3066	60.00	25.00	5.00		4.00	4.00		2.033	164
UA 3069	60.00	35.00	5.00		4.00	4.00		2.295	184
UA 3344	60.00	40.00	3.00					1.523	200
UA 5169	**65.00**	**50.00**	**2.50**		**4.00**	**1.50**		**1.453**	**224**
UA 2486	65.00	50.00	3.00		0.50	1.00		1.770	230
UA 4849	75.00	25.00	1.60					0.836	200
UA 7117	75.00	25.00	2.20		1.00			1.133	199
UA 1537	75.00	40.00	2.00					1.199	230
UA 7714	75.00	40.00	3.00		3.00	0.50		1.746	225
UA 1204	75.00	40.00	6.00					3.350	230
UA 1536	75.00	45.00	2.00					1.253	240
UA 5362	**75.00**	**45.00**	**3.00**		**6.00**	**0.50**		**1.784**	**230**

Rectangular Hollow - RHS *(continued)*



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F = Full Radius

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

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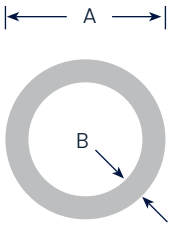
Diagrams are schematic only and not intended as specification drawings.

Radius abbreviated with (-), contact your local branch for specifications.

Die No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 2946	75.00	50.00	3.00					1.935	250
UA 4833	75.00	50.00	3.00		4.45	6.30		1.974	243
UA 2106	75.00	50.00	4.00		2.00	0.80		2.529	247
UA 3045	75.00	50.00	6.00		0.50			3.661	250
UA 7169	76.00	38.00	3.00		0.50	0.50		1.750	228
UA 5242	80.00	40.00	3.00		2.50	2.50		1.847	236
UA 3585	80.00	40.00	4.00					2.419	240
UA 6837	80.00	50.00	3.00		0.80			2.007	259
UA 3299	80.00	50.00	3.00		4.00	1.00		1.974	254
UA 3586	80.00	60.00	4.00					2.851	280
UA 1198	100.00	25.00	2.00					1.312	250
UA 7672	100.00	25.00	2.00		1.00			1.304	249
UA 5720	100.00	25.00	2.50		0.50	0.50		1.620	250
UA 1201	100.00	45.00	3.00					2.260	290
UA 3546	100.00	50.00	2.00					1.577	300
UA 1202	100.00	50.00	3.00					2.333	300
UA 4477	100.00	50.00	3.00		4.60	1.60		2.290	293
UA 4743	100.00	50.00	3.50		6.00	2.50		2.634	290
UA 2807	100.00	50.00	4.00					3.067	300
UA 4631	100.00	50.00	4.00		6.00	2.00		2.993	290
UA 1923	100.00	50.00	6.00		4.60			4.422	293
UA 3300	100.00	75.00	2.50		4.00	1.50		2.262	344
UA 1203	100.00	75.00	3.00					2.748	350
UA 3419	120.00	60.00	3.00					2.819	360
UA 1199	125.00	50.00	3.00					2.738	350
UA 4628	125.00	50.00	4.00		6.00	2.00		3.533	340
UA 4629	125.00	50.00	6.00		8.00	2.00		5.142	337
UA 4316	150.00	50.00	3.00		5.00	2.00		3.094	392
UA 2030	150.00	50.00	4.00					4.147	400
UA 3660	150.00	50.00	5.00		10.00	5.00		4.956	383
UA 4630	150.00	50.00	6.00		8.00	2.00		5.952	387
UA 4755	152.00	76.00	6.00		6.00	2.00		6.95	446
UA 5453	152.40	76.20	4.00		4.50	0.50		4.719	450
UA 6250	200.00	50.00	3.50		1.50			4.587	498

Extruded Round Tube - HTA



R = Radiused Corner
P = Ext Periphery
F = Full Radius

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

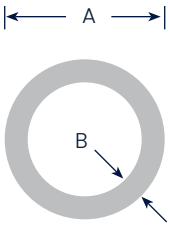
Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.

Radius abbreviated with (-), contact your local branch for specifications.

Die No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 1924	6.35	1.42						0.059	20
UA 1542	7.94	1.42						0.079	25
UA 1229	9.53	1.45						0.099	30
UA 2028	12.70	0.90						0.090	40
UA 1230	12.70	1.45						0.138	40
UA 4153	12.70	2.20						0.196	40
UA 3141	**15.88**	**1.22**						**0.152**	**50**
UA I231	15.90	1.45						0.178	50
UA 2001	16.00	1.20						0.151	51
UA 2722	16.00	1.60						0.196	51
UA 1657	16.00	2.50						0.287	51
UA 1916	19.05	1.22						0.184	60
UA 1928	19.05	2.00						0.289	60
UA 1232	19.10	1.45						0.218	60
UA 1225	20.00	1.20						0.192	63
UA 1968	20.00	1.60						0.251	63
UA 7803	**20.00**	**2.00**						**0.305**	**63**
UA 4121	20.00	3.00						0.433	63
UA 2740	21.00	4.00						0.579	66
UA 1226	22.00	1.20						0.213	70
UA 1233	22.20	1.45						0.256	70
UA 6432	**22.50**	**2.00**						**0.348**	**71**
UA 2783	24.00	I.50						0.287	76
UA 1227	25.00	1.20						0.243	79
UA 1969	25.00	1.60						0.318	79
UA 1245	25.00	2.00						0.392	79
UA 1248	25.00	3.00						0.562	79
UA 2027	25.40	1.20						0.246	80
UA 1234	25.40	1.45						0.296	80
UA 5840	**25.40**	**3.00**						**0.570**	**80**
UA 1235	28.58	1.45						0.335	90
UA 1243	30.00	1.60						0.387	95
UA 1249	30.00	3.00						0.690	95
UA 3453	**31.00**	**3.00**						**0.713**	**98**

Extruded Round Tube - HTA *(continued)*



R = Radiused Corner
P = Ext Periphery
F = Full Radius

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

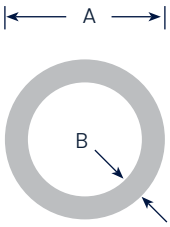
Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.

Radius abbreviated with (-), contact your local branch for specifications.

Die No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 2465	31.00	5.00						1.103	98
UA 1236	31.75	1.45						0.374	100
UA 2942	32.00	1.60						0.414	101
UA 2268	32.00	2.00						0.509	101
UA 2786	32.00	3.00						0.741	101
UA 1237	34.90	1.45						0.413	110
UA 2379	37.00	3.00						0.865	117
UA 2739	37.00	5.00						1.362	117
UA 2758	38.00	3.00						0.894	120
UA 1238	38.10	1.45						0.452	120
UA 5438	38.10	2.00						0.612	120
UA 2210	38.10	3.25						0.964	120
UA 4997	**38.10**	**4.80**						**1.356**	**120**
UA 6157	**40.00**	**2.00**						**0.645**	**126**
UA 1250	40.00	3.00						0.945	126
UA 1239	41.30	1.45						0.492	130
UA 1240	44.45	1.45						0.531	140
UA 5265	**44.45**	**3.00**						**1.055**	**140**
UA 1619	45.00	3.00						1.069	142
UA 2898	45.00	14.50						3.765	142
UA 1241	47.60	1.45						0.570	150
UA 9027	**48.00**	**3.00**						**1.145**	**151**
UA 4425	**48.00**	**6.50**						**2.288**	**151**
UA 1256	48.40	4.50						1.676	153
UA 4138	**48.60**	**3.35**	SCAFFOLD TUBE					**1.285**	**154**
UA 4122	48.60	3.45						1.321	153
UA 2950	50.00	1.60	V GROOVED					0.659	158
UA 1246	50.00	1.925						0.785	158
UA 1251	50.00	3.00						1.196	158
UA 5937	50.00	4.00						1.561	158
UA 2760	50.00	6.00						2.239	158
UA 1242	50.80	1.45						0.609	160
UA 6920	**50.80**	**2.00**						**0.828**	**160**
UA 1769	**50.80**	**2.64**						**1.078**	**160**
UA 5171	57.20	2.00						0.936	180
UA 5939	60.00	4.00						1.900	189
UA 5172	**63.50**	**2.00**						**1.043**	**200**
UA 5199	63.50	3.00						1.540	200

Extruded Round Tube - HTA *(continued)*



R = Radiused Corner
P = Ext Periphery
F = Full Radius

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

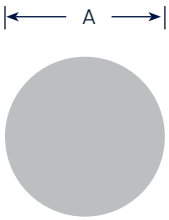
Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.

Radius abbreviated with (-), contact your local branch for specifications.

Die No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 2666	63.50	4.50						2.260	200
UA 1538	63.50	6.35						3.078	200
UA 1244	65.00	1.60						0.864	205
UA 1252	65.00	3.00						1.584	205
UA 4708	**65.00**	**3.50**						**1.826**	**205**
UA 1073	65.00	5.00						2.554	205
UA 1658	75.00	1.60						1.000	236
UA 1253	75.00	3.00						1.839	236
UA 2665	75.00	4.50						2.701	236
UA 4826	75.00	6.00						3.512	236
UA 5170	76.20	2.00						1.259	240
UA 4727	76.20	8.10						4.679	240
UA 2772	80.00	2.00						1.328	252
UA 5165	**80.00**	**8.00**						**4.886**	**252**
UA 1680	86.00	3.00						2.112	271
UA 1254	90.00	3.00						2.222	283
UA 1540	100.00	1.60						1.340	315
UA 3216	100.00	2.00						1.663	315
UA 1247	100.00	3.00						2.477	315
UA 1255	100.00	6.00						4.784	315
UA 6709	101.60	2.00						1.690	320
UA 4780	114.30	6.35						5.814	360
UA 1659	125.00	3.00						3.116	393
UA 3722	150.00	3.20						3.985	472
UA 6084	152.40	5.00						6.251	479
UA 7104	203.20	3.18						5.395	639

Solid Round - BRAL



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Minimum order 250kg.

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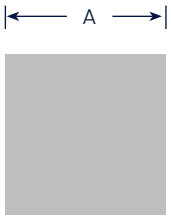
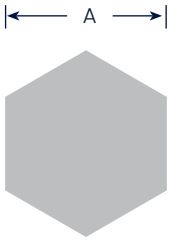
Die No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 1271	4.76							0.048	15
UA 1270	6.35							0.086	20
UA 1269	7.94							0.134	25
UA 1258	9.50							0.193	30
UA 1259	12.70							0.343	40
UA 1260	15.88							0.536	so
UA 1261	19.05							0.772	60
UA 2038	20.00							0.851	63
UA 1262	25.40							1.373	80
UA 6759	28.00							1.663	88
UA 1263	31.75							2.146	100
UA 1264	38.10							3.090	120
UA 2995	44.40							4.205	140
UA 1265	50.80							5.493	160
UA 1266	63.50							8.582	200
UA 1267	76.20							12.359	240
UA 1868	88.90							16.759	280
UA 1268	101.60							21.971	320
UA 7173	127.00							34.203	399
UA 7174	152.40							49.252	479
UA 7175	177.80							67.037	559
UA 7176	203.20							87.559	639
UA 7339	228.60							110.817	719

Solid Square - BSAL



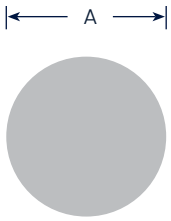
Die No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 1279	6.35							0.109	25
UA 1272	9.50							0.244	38
UA 1273	12.70							0.437	SI
UA 1274	19.05							0.983	76
UA 1275	25.40							1.748	102
UA 1276	31.75							2.732	127
UA 1277	38.10							3.934	152
UA 1278	50.80							6.993	203

Solid Hexagon - BHAL



Die No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 1607	11.11							0.290	39

Solid Free Machining Rod - BRAM



P = Ext Periphery

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

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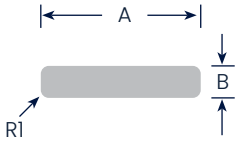
Diam.	A	FREE MACHINING SOLID ROF 2011 - T3 TO T6	kg/m
	9.53		0.202
	12.70		0.358
	15.88		0.560
	19.05		0.807
	22.22		1.098
	25.40		1.434
	31.75		2.241
	38.10		3.226
	44.45		4.392
	50.80		5.736
	63.50		8.962
	76.20		12.906
	88.90		17.566
	101.60		22.944
	127.00		35.850
	152.40		51.623
	177.80		67.286
	203.20		91.775
	228.60		116.153

Flat Bar - BFAL



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Minimum order 250kg.

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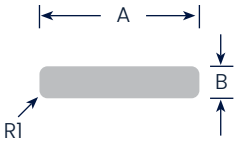
Die No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 1165	10.00	2.30						0.062	25
UA 2029	12.00	1.60						0.052	27
UA 1170	12.00	3.00						0.097	30
UA 1921	12.00	3.00			F			0.092	28
UA 1179	12.00	4.50						0.146	33
UA 1551	12.00	6.00						0.195	36
UA 1171	16.00	3.00						0.130	38
UA 1004	19.00	4.50			F			0.220	44
UA 1151	20.00	1.60						0.087	43
UA 1172	20.00	3.00						0.162	46
UA 1180	20.00	4.50						0.244	49
UA 1188	20.00	6.00						0.324	52
UA 1152	25.00	1.60						0.108	53
UA 1173	25.00	3.00						0.203	56
UA 1181	25.00	4.50						0.305	59
UA 3153	25.00	5.00						0.337	60
UA 1189	25.00	6.00						0.406	62
UA 1153	25.00	10.00						0.677	70
UA 1159	25.00	12.00						0.813	74
UA 1174	30.00	3.00						0.244	66
UA 2684	30.00	3.00			F			0.239	64
UA 1552	30.00	4.50						0.364	69
UA 1190	30.00	6.00						0.488	72
UA 2937	32.00	3.00						0.268	70
UA 4225	36.00	6.00						0.583	84
UA 3154	38.00	4.50						0.461	85
UA 9028	**38.00**	**6.00**						**0.615**	**88**
UA 1175	40.00	3.00						0.325	86
UA 1182	40.00	4.50						0.488	89
UA 1191	40.00	6.00						0.650	92
UA 1154	40.00	10.00						1.084	100
UA 1160	40.00	12.00						1.301	104
UA 1164	40.00	16.00						1.734	112
UA 1176	45.00	3.00						0.366	96
UA 1553	45.00	6.00						0.731	102
UA 1177	50.00	3.00						0.406	106
UA 1183	50.00	4.50						0.610	109
UA 2757	50.00	4.50			2.00			0.600	106
UA 5281	**50.00**	**5.00**			**0.50**			**0.674**	**110**
UA 1192	**50.00**	**6.00**						**0.813**	**112**
UA 2737	50.00	8.00						1.084	116
UA 1155	50.00	10.00						1.350	120
UA 1161	50.00	12.00						1.626	124
UA 6054	50.00	20.00						2.700	140

Flat Bar - BFAL *(continued)*



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Blue = Mill run only. Non stocked item.

Minimum order 250kg.

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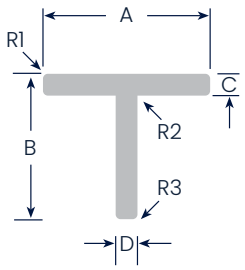
Radius abbreviated with (-), contact your local branch for specifications.

Die No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 1167	50.00	25.00						3.387	150
UA 1877	60.00	3.00			F			0.481	124
UA 2250	60.00	4.50			F			0.717	126
UA 2397	60.00	6.00						0.971	132
UA 3641	60.00	6.00			F			0.951	127
UA 3515	60.00	10.00			F			1.562	132
UA 4712	60.00	12.00						1.944	144
UA 1193	65.00	6.00						1.053	142
UA 1162	65.00	12.00						2.114	154
UA 1178	75.00	3.00						0.610	156
UA 1184	75.00	4.50						0.914	159
UA 1194	75.00	6.00						1.215	162
UA 1618	75.00	6.00			2.40			1.206	158
UA 1156	75.00	10.00						2.025	170
UA 1163	75.00	12.00						2.439	174
UA 4123	**75.00**	**16.00**						**3.239**	**182**
UA 1554	75.00	20.00						4.065	190
UA 1168	75.00	25.00						5.081	200
UA 2938	80.00	3.00						0.650	166
UA 2940	**80.00**	**6.00**						**1.301**	**172**
UA 1074	80.00	6.00			F			1.280	167
UA 5280	80.00	8.00			0.50			1.727	176
UA 7404	**80.00**	**10.00**						**2.160**	**180**
UA 7107	**80.00**	**15.00**			**0.50**			**3.239**	**190**
UA 1169	100.00	3.00						0.810	206
UA 1186	100.00	6.00						1.620	212
UA 1555	100.00	10.00						2.710	220
UA 1157	100.00	12.00						3.252	224
UA 1166	100.00	25.00						6.775	250
UA 1187	125.00	6.00						2.032	262
UA 2733	125.00	10.00						3.387	270
UA 1556	125.00	12.00						4.065	274
UA 6169	**125.00**	**15.00**		**0.50**				**5.092**	**280**
UA 3479	150.00	3.00						1.215	306
UA 1557	150.00	6.00						2.439	312
UA 7134	150.00	8.00		0.50				3.239	316
UA 7133	150.00	10.00		0.50				4.049	320
UA 1158	150.00	12.00						4.878	324
UA 2941	160.00	6.00						2.592	332
UA 3408	**160.00**	**10.00**		**0.50**				**4.319**	**340**
UA 4430	200.00	10.00						5.399	420

Tee - BTEE



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Minimum order 250kg.

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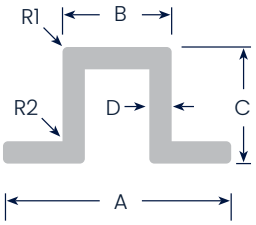
Die No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 1216	20.00	2.50	1.60	1.60				0.675	205
UA 1217	20.00	20.00	3.00	3.00				0.301	80
UA 1543	22.22	12.70	3.17	3.17				0.272	70
UA 1987	25.00	25.00	1.60	1.60				0.210	100
UA 1218	25.00	25.00	3.00	3.00				0.382	100
UA 1967	25.00	38.00	1.20	1.20				0.201	126
UA 4224	28.00	50.00	4.00	4.00		3.00		0.809	153
UA 2830	30.00	22.00	2.00	2.00				0.271	104
UA 1544	38.10	19.05	1.59	1.59				0.238	115
UA 1219	40.00	40.00	3.00	3.00				0.626	160
UA 1545	40.00	40.00	4.50	4.50				0.917	160
UA 3003	40.00	50.00	6.00	6.00	2.00	6.00	2.00	1.394	170
UA 1344	44.50	25.50	2.50	2.50	F		F	0.452	137
UA 3059	50.00	50.00	2.00	2.00				0.529	200
UA 1958	50.00	50.00	3.00	3.00				0.788	199
UA 1220	50.00	50.00	6.00	6.00				1.528	200
UA 5277	50.00	60.00	6.00	4.00		5.00		1.421	215
UA 3004	50.00	75.00	6.00	6.00	2.00	6.00	2.00	1.956	240
UA 4517	50.00	100.00	6.00	6.00				2.332	299
UA 3005	50.00	150.00	8.00	8.00	2.00	6.00	2.00	4.175	390
UA 2787	60.00	60.00	6.00	6.00		5.00		1.882	235
UA 5238	65.00	100.00	8.00	8.00	0.50	4.00	0.50	3.409	326
UA 2437	70.00	40.00	4.00	4.00	3.50	1.00	1.00	1.135	215
UA 1714	75.00	75.00	4.50	4.50		2.00		1.772	299

Top Hat - XHAT



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F = Full Radius

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

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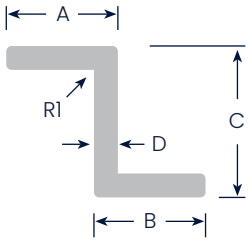
Radius abbreviated with (-), contact your local branch for specifications.

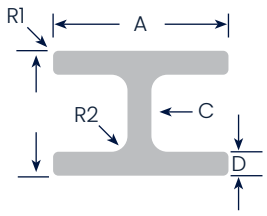
Die No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 1280	50.00	25.00	16.00	1.50				0.320	160
UA 1281	57.00	24.00	28.00	2.30				0.675	221
UA 6724	60.00	25.00	22.00	2.40				0.642	202
UA 1569	60.00	30.00	30.00	2.50				0.776	234
UA 1283	65.00	30.00	30.00	2.50				0.810	244
UA 2510	68.00	38.00	57.00	3.00				1.425	357
UA 1620	70.00	38.00	45.00	3.00				1.247	314
UA 1621	75.00	32.00	45.00	3.00				1.288	324
UA 3575	100.00	60.00	29.00	5.00	2.00	2.00		1.997	299
UA 3813	110.00	58.00	50.00	4.00				2.181	411
UA 1284	110.00	66.00	28.00	3.00				1.300	325
UA 1282	125.00	62.00	30.00	3.00				1.455	363
UA 7628	134.00	60.00	100.00	3.00	0.50	0.50		2.656	660

Zed - XZED



Die No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 1221	16.00	20.00	25.00	1.60				0.251	119
UA 2983	18.50	20.00	15.00	1.50	B LEG 2.75			0.267	104
UA 1222	20.00	20.00	25.00	3.00				0.480	124
UA 1639	25.00	19.00	17.00	1.60				0.250	118
UA 1223	25.00	25.00	30.00	3.00				0.602	154
UA 1487	31.80	31.80	152.40	3.00				1.701	426
UA 5813	40.00	48.00	55.00	6.00				2.122	273

I Beam - XIB



Die No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 1196	40.00	40.00	3.00	3.00				0.927	234
UA 1493	69.90	102.00	3.43	5.54		3.00		3.083	490
UA 4389	100.00	150.00	7.10	9.50	+2.96 LIP	11.10		7.926	665

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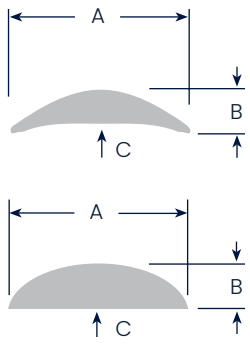
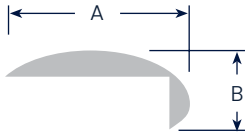
Half Round - BHR



Die No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 1445	19.00	4.50	CONCAVE					0.113	42
UA 1446	25.50	4.50	CONCAVE					0.149	54
UA 1447	32.00	6.00	CONCAVE					0.275	68
UA 1448	38.00	6.00	CONCAVE					0.325	79
UA 1449	51.00	6.00	FLAT					0.578	105

Cope Mould - XCOP



Die No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 1501	18.50	18.50						0.181	68
UA 1500	23.80	8.26						0.149	59
UA 1499	34.43	14.53						0.346	88

03

Cool Room

Cool Room

UA 1502
Channel
Kg/m: 0.541
P: 253
OAD: 53.2 x 45 x 1.6

UA 1503
Channel
Kg/m: 0.650
P: 303
OAD: 78.2 x 45 x 1.6

UA 1504
Channel
Kg/m: 0.758
P: 353
OAD: 103.2 x 45 x 1.6

UA 2622
Channel
Kg/m: 0.769
P: 358
OAD: 105.7 x 45 x 1.6"

UA 2799
Channel
Kg/m: 0.509
P: 254
OAD: 54 x 45 x 1.5

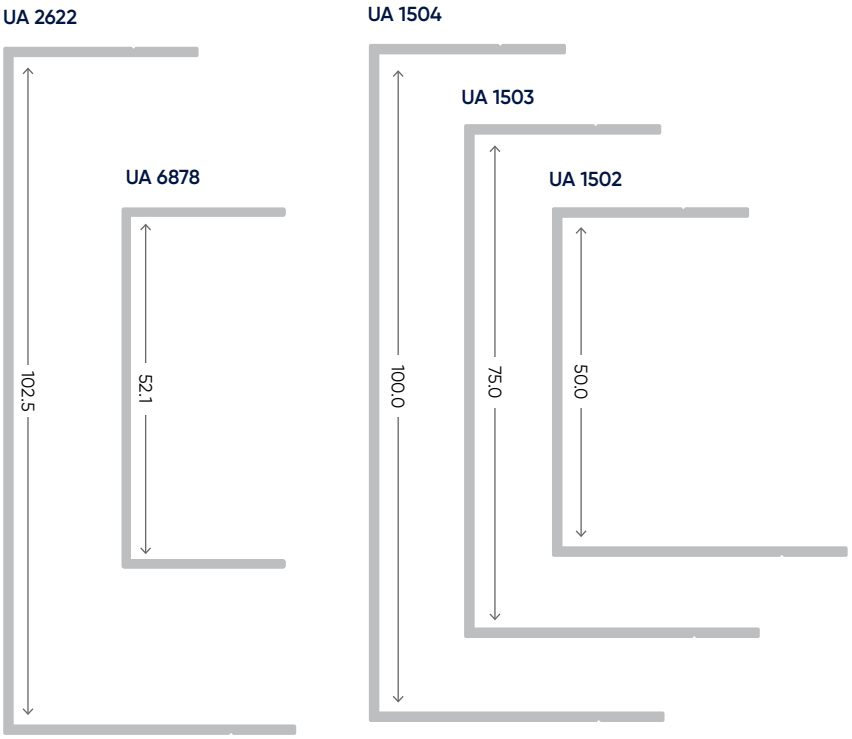
UA 2800
Channel
Kg/m: 0.610
P: 304
OAD: 79 x 45 x 1.5

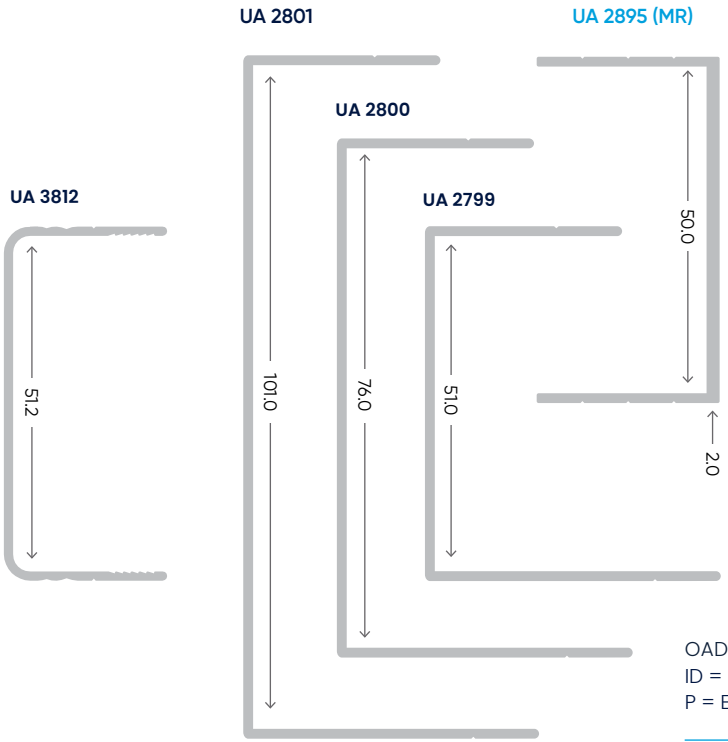
UA 2801
Channel
Kg/m: 0.712
P: 354
OAD: 104 x 45 x 1.5

UA 2895 (MR)
CHANNEL
Kg/m: 0.495
P: 215
OAD: 53 x 28

UA 3812
Channel
Kg/m: 0.361
P: 205
OAD: 54 x 24.9

UA 6878
Channel
Kg/m: 0.399
P: 207
OAD: 55 x 25 x 1.45





OAD = Overall Dimension
ID = Internal Dimensions
P = Ext Periphery

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.

Cool Room *(continued)*

UA 1474
Jointer
Kg/m: 0.235
P: 142
OAD: 35 x 10.5

UA 1512
Coving
Kg/m: 1.119
P: 312
OAD: 93 x 93

UA 1517
Internal Angle
Kg/m: 0.423
P: 197
OAD: 50 x 50

UA 1518
External Angle
Kg/m: 0.431
P: 199
OAD: 50 x 50

UA 1915
Scotia
Kg/m: 0.643
P: 266
OAD: 60.5 x 48

UA 1948
Internal Angle
Kg/m: 0.314
P: 155
OAD: 40 x 40

UA 2491
Coving
Kg/m: 0.940
P: 344
OAD: 91.5 x 91.5

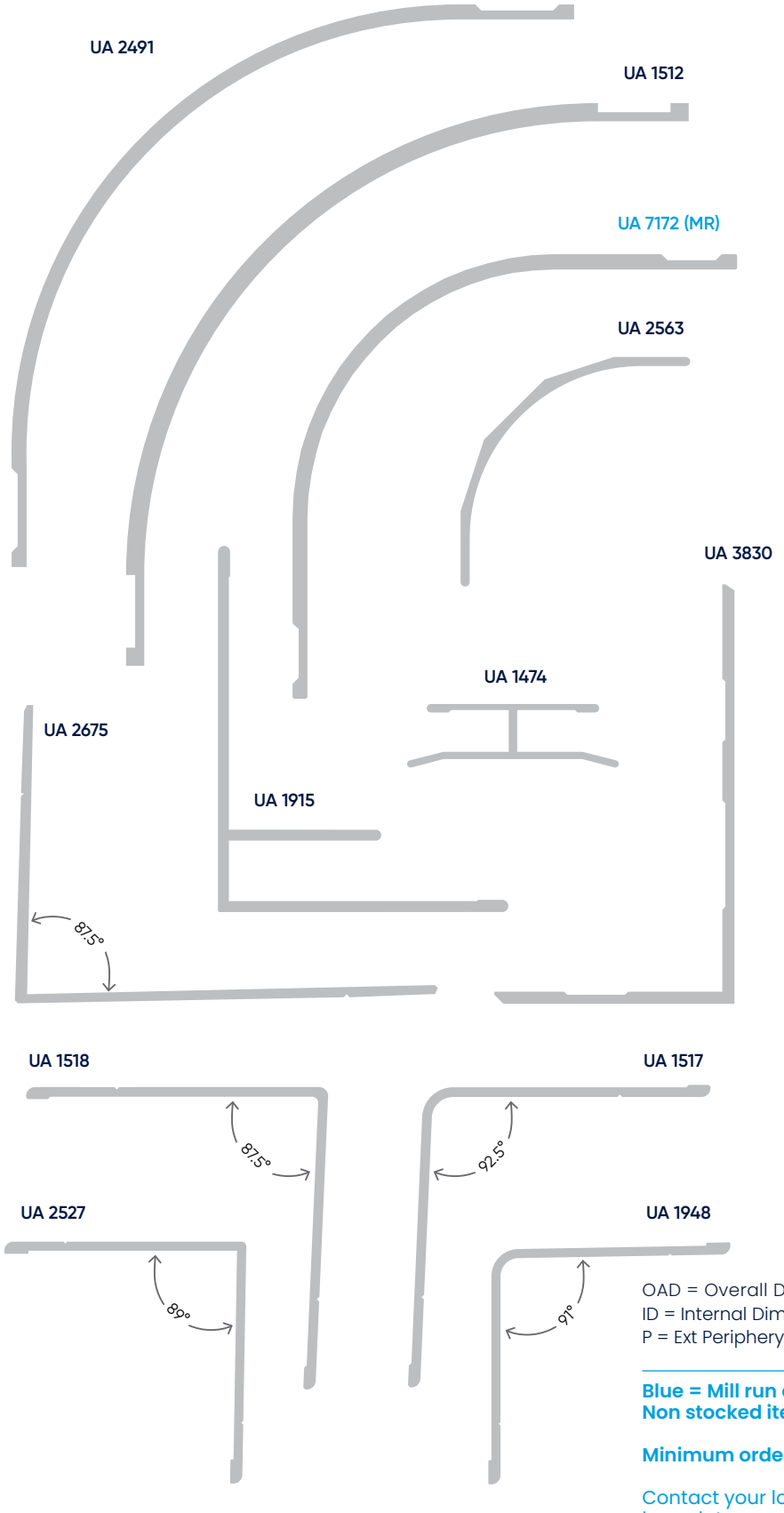
UA 2527
External Angle
Kg/m: 0.326
P: 161
OAD: 40 x40

UA 2563
Coving
Kg/m: 0.274
P: 127
OAD: 37.95 x 37.95

UA 2675
External Angle
Kg/m: 0.510
P: 239
OAD: 70 x 50

UA 3830
External Angle
Kg/m: 0.516
P: 220
OAD: 70 x 40

UA 7172 (MR)
Coving
Kg/m: 0.804
P: 259
OAD: 73.5 x 73.5



OAD = Overall Dimension
ID = Internal Dimensions
P = Ext Periphery

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.

Cool Room *(continued)*

UA 1505
Channel
Kg/m: 0.411
P: 192
OAD: 48.2 x 25 x 1.6

UA 1506
Channel
Kg/m: 1.164
P: 331
OAD: 118.4 x 25

UA 1523
Channel
Kg/m: 1.549
P: 429
OAD: 168 x 25

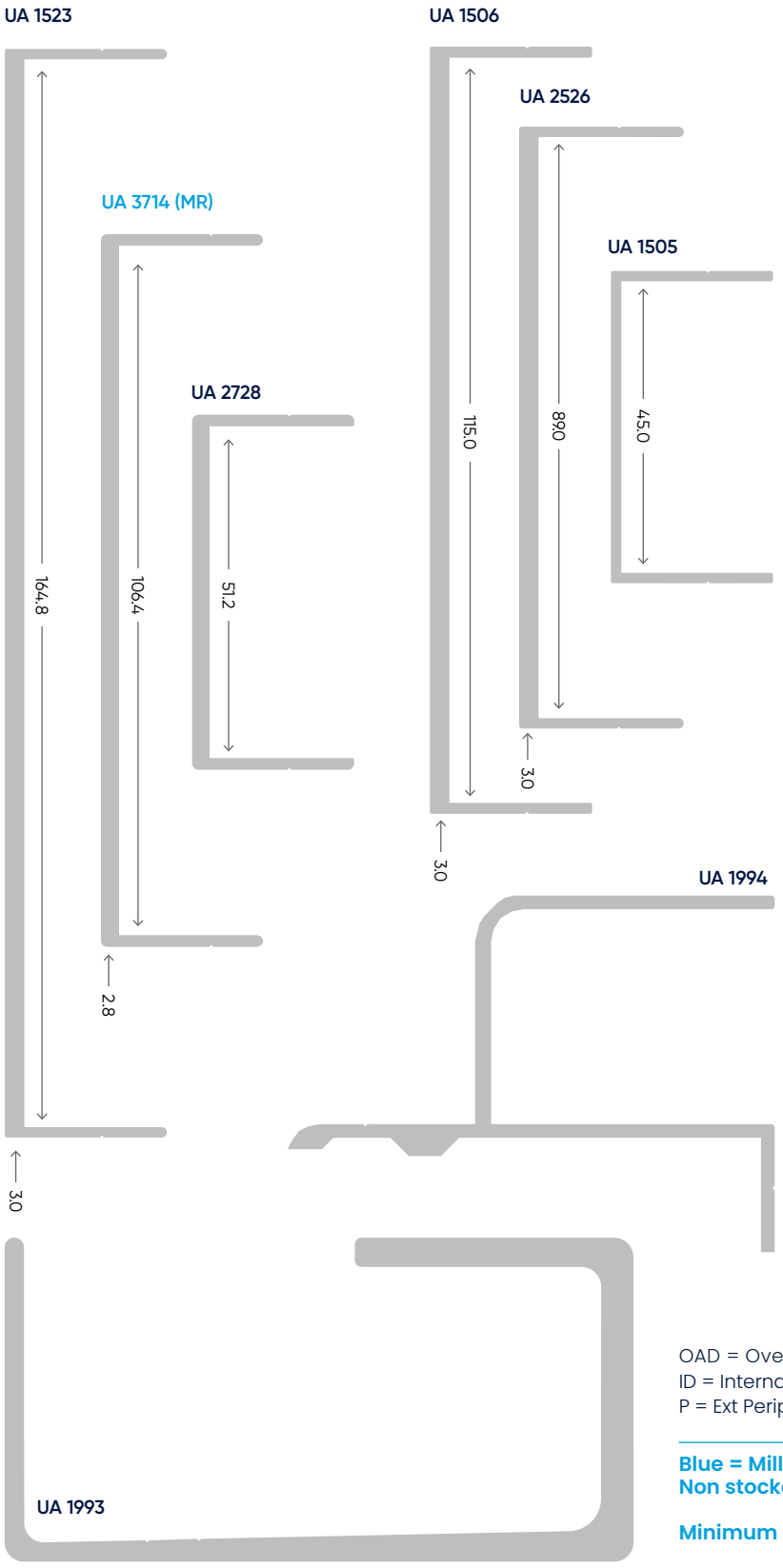
UA 1993
Sliding Door Channel
Kg/m: 2.507
P: 452
OAD: 97 x 50

UA 1994
Sliding Door Channel
Kg/m: 1.123
P: 340
OAD: 75 x 55.3

UA 2526
Channel
Kg/m: 0.938
P: 279
OAD: 92.2 x 25.4

UA 2728
Channel
Kg/m: 0.613
P: 203
OAD: 54.8 x 25

UA 3714 (MR)
Door Channel
Kg/m: 1.045
P: 314
OAD: 110 x 25



OAD = Overall Dimension
ID = Internal Dimensions
P = Ext Periphery

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.

Cool Room *(continued)*

UA 3204
100mm Door Rebated
Kg/m: 1.406
P: 445
OAD: 105.8 x 52
Infill: 9101

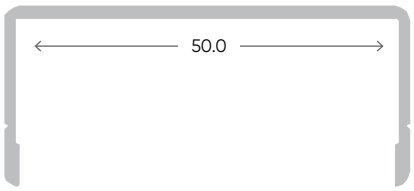
UA 3205
Door Channel
Kg/m: 0.429
P: 199
OAD: 54 x 24

UA 3229
50mm Door Rebated
Kg/m: 0.851
P: 276
OAD: 63 x 52
Infill: 9101

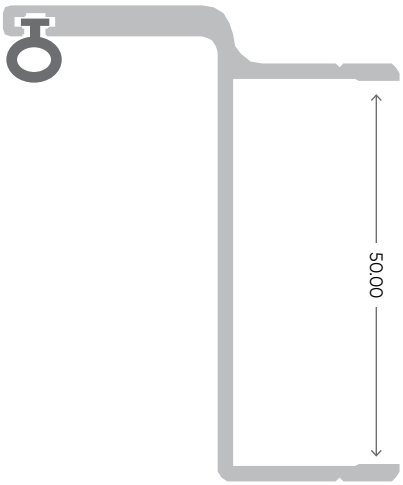
UA 3230 (MR)
75mm Door Rebated
Kg/m: 1.240
P: 394
OAD: 80.8 x 52
Infill: 9101

Infill sold separately

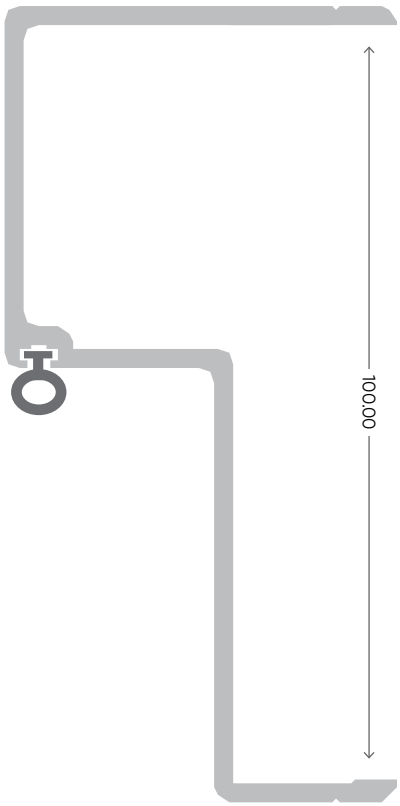
UA 3205



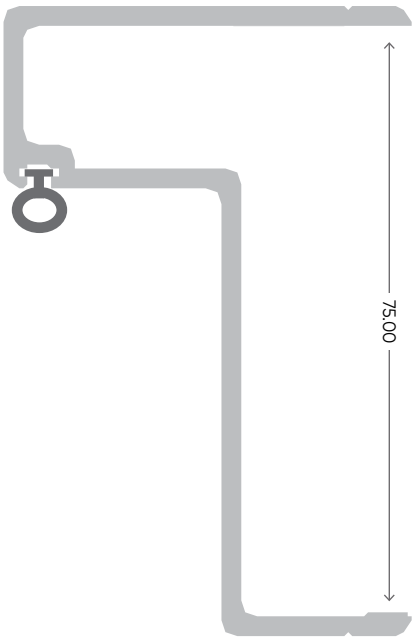
UA 3229



UA 3204



UA 3230 (MR)



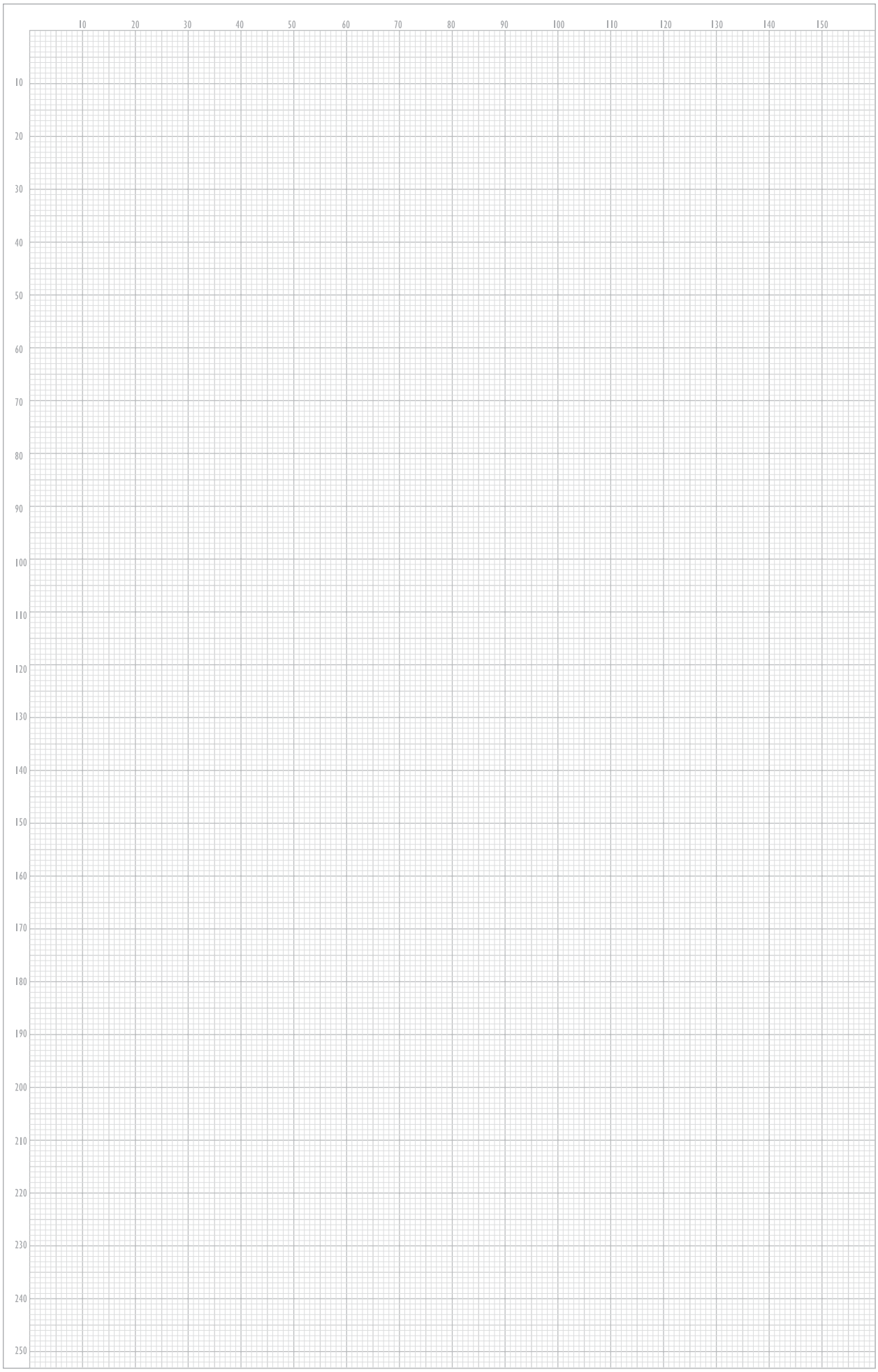
OAD = Overall Dimension
ID = Internal Dimensions
P = Ext Periphery

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.


10
20
30
40
50
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70
80
90
100
110
120
130
140
150
160
170
180
190
200
210
220
230
240
250

04/

Mouldings

Awning & Drip Mouldings

UA 1406
Double Sided Awning Rail
Kg/m: 0.335
P: 111
OAD: 32 x 13.91
ID: 11

UA 1408
Light Awning Rail
Kg/m: 0.22
P: 104
OAD: 30.1 x 13.15
ID: 11.2

UA 1410
Drip Rail
Kg/m: 0.357
P: 82
OAD: 22 x 16

UA 1413
Heavy Bus Drip Rail
Kg/m: 0.131
P: 100
OAD: 24 x 22

UA 1414
Drip Rail
Kg/m: 0.146
P: 74
OAD: 21.5 x 12.5

UA 1608
Standard Awning Rail
Kg/m: 0.221
P: 96
OAD: 28 x 12.8
ID: 9.4

UA 6553
Flanged Awning Rail
Kg/m: 0.496
P: 192
OAD: 64.8 x 15.95
ID: 13

UA 1408

UA 1608

UA 1406

UA 6553

UA 1414

UA 1410

UA 1413

OAD = Overall Dimension
ID = Internal Dimensions
P = Ext Periphery

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.

Herzim Infill Mouldings

UA 1417
Rub Rail 31.6 mm
Kg/m: 0.271
P: 104
OAD: 33 x 12
Infill code:
XMARHHRUBRAIL

UA 1429
Rub Rail 25mm
Kg/m: 0.169
P: 67
OAD: 25 x 5
Infill code:
FMAR12BLACK

UA 1430 (MR)
Rub Rail 31mm
Kg/m: 0.120
P: 82
OAD: 31 x 4
Infill code:
FMAR12BLACK

UA 1431 (MR)
Rub Rail 40mm
Kg/m: 0.291
P: 131
OAD: 40 x 9
Infill: 111,112

UA 2218
Bus Rub Rail 58mm
Cover
Kg/m: 0.402
P: 144
OAD: 43.5 x 11.5
Infill code:
XTRA5246RAIL+25M

UA 2359 (MR)
Bus Rub Rail 50mm
Kg/m: 0.235
P: 146
OAD: 50 x 10
Infill: 4870

Infills sold separately

UA 1417

UA 1429

UA 1430 (MR)

UA 1431 (MR)

UA 2218

UA 2359(MR)

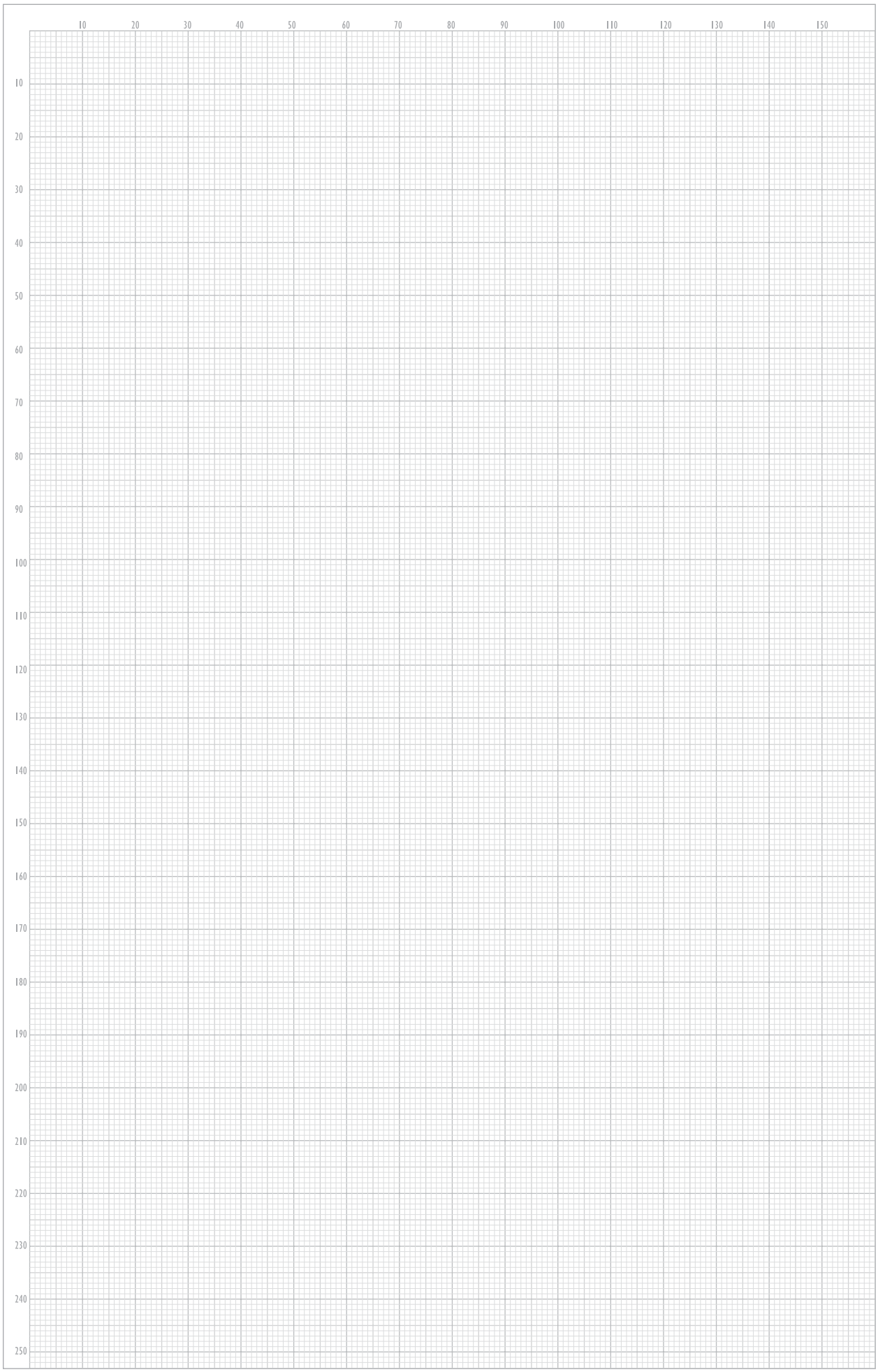
OAD = Overall Dimension
ID = Internal Dimensions
P = Ext Periphery

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.


10 20 30 40 50 60 70 80 90 100 110 120 130 140 150
10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250

05/

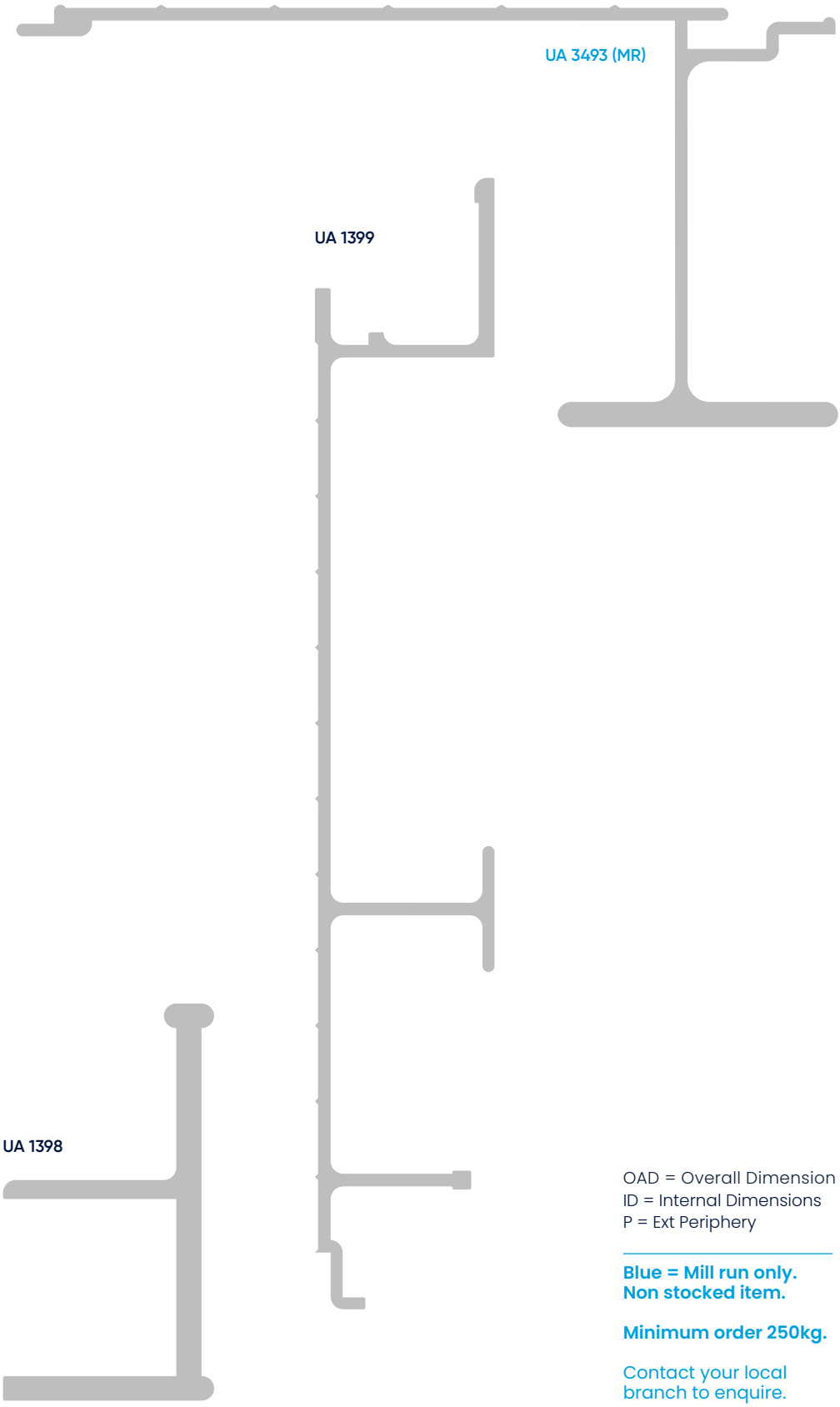
Transport

Transport

UA 1398
Easydek Coaming Rail
Kg/m: 1.243
P: 250
OAD: 63 x 33.5
Fits: 1399

UA 1399
Easydek Flooring
Kg/m: 1.621
P: 581
OAD: 179.5 x 28.5

UA 3493 (MR)
Decking
Kg/m: 1.667
P: 491
OAD: 130 x 66.5



OAD = Overall Dimension
ID = Internal Dimensions
P = Ext Periphery

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.

Transport *(continued)*

UA 1397
Easydek Side Cap
Kg/m: 0.521
P: 169
OAD: 45 x 22

UA 1405 (MR)
Hollow Plank
Kg/m: 1.409
P: 268
OAD: 93 x 25.5

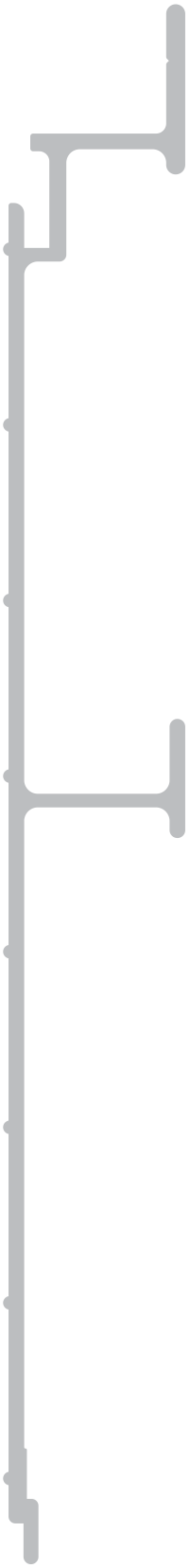
UA 4626 (MR)
Grate Punched
Kg/m: 2.788
P: 840
OAD: 228.6 x 26

UA 6567 (MR)
Side Rail
Kg/m: 0.860
P: 163
OAD: 75 x 15

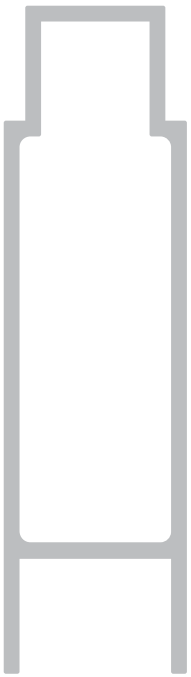
UA 661 I (MR)
Decking
Kg/m: 1.971
P: 611
OAD: 229.2 x 26

UA 4626 (MR)

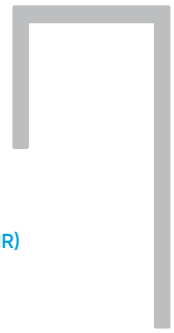
UA 6611 (MR)



UA 1405 (MR)



UA 1397



UA 6567 (MR)

OAD = Overall Dimension
ID = Internal Dimensions
P = Ext Periphery

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.

Transport *(continued)*

UA 1510 (MR)
Scallop Plank
Kg/m: 1.409
P: 421
OAD: 190.5 x 9.53

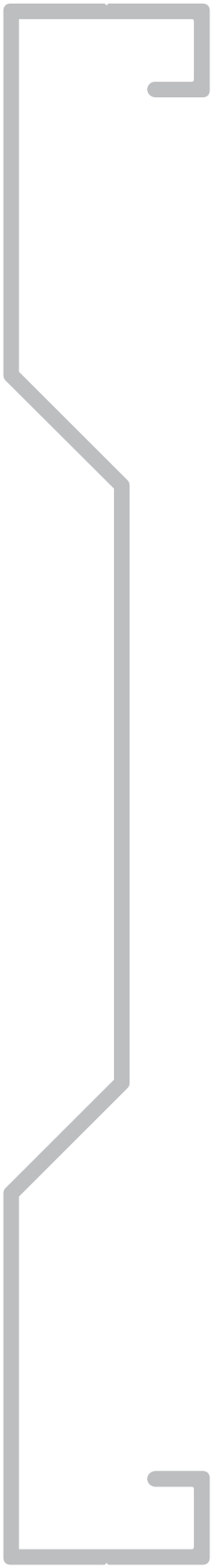
UA 5183
Side Board
Kg/m: 2.461
P: 732
OAD: 250 x 33

UA 1402
Plank
Kg/m: 2.060
P: 678
OAD: 226 x 22

UA 1403
Plank
Kg/m: 1.530
P: 572
OAD: 229.5 x 12.5

UA 1494
Tray Side Cap
Kg/m: 1.202
P: 287
OAD: 34.93 x 63.5

UA 5183



UA 1402

UA 1403

UA 1494

UA 1510 (MR)

OAD = Overall Dimension
ID = Internal Dimensions
P = Ext Periphery

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.

Transport *(continued)*

UA 1396
Cant Rail
Kg/m: 1.966
P: 558
OAD: 152.5 x 79.4
Cast Corner UC: 1396

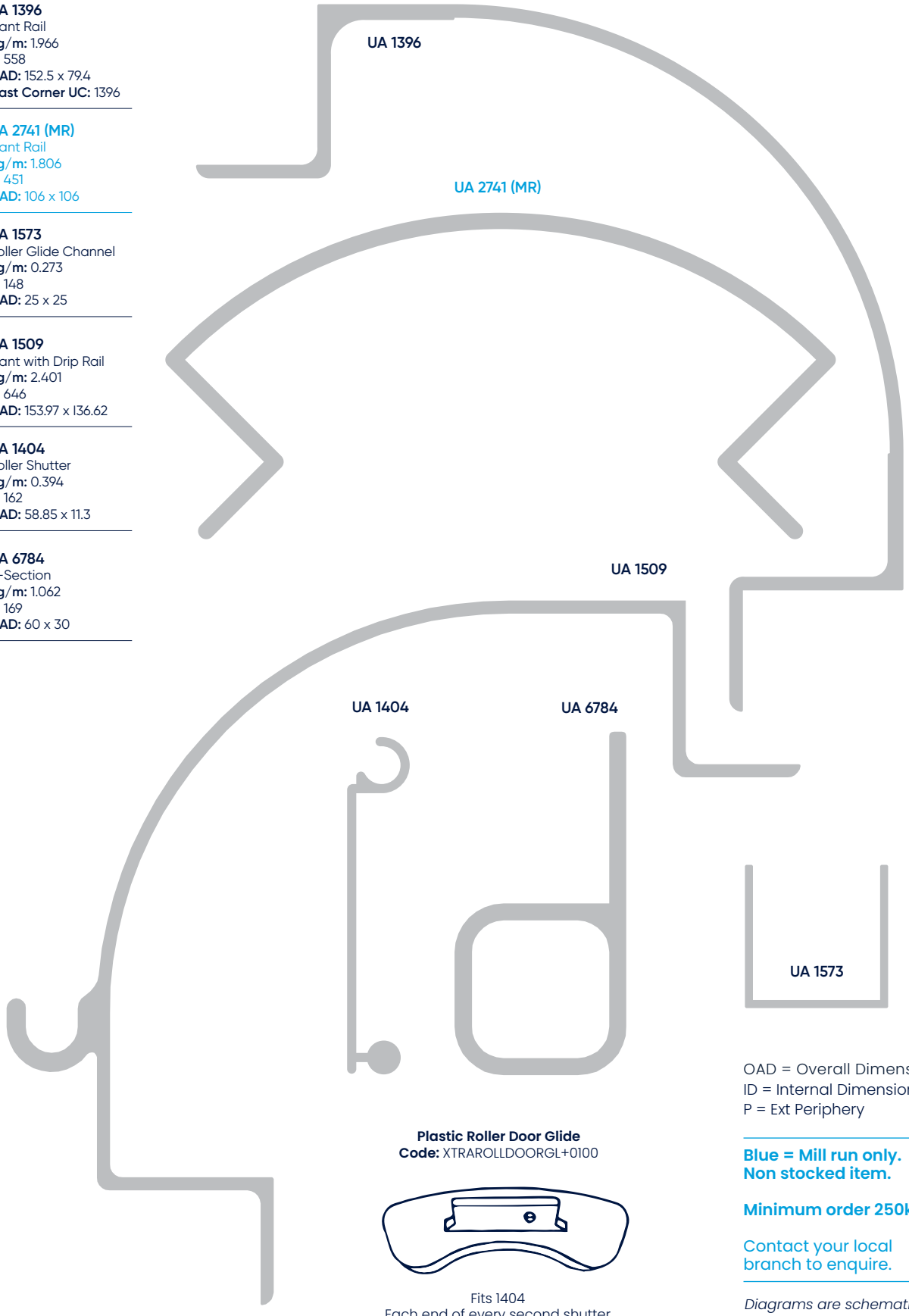
UA 2741 (MR)
Cant Rail
Kg/m: 1.806
P: 451
OAD: 106 x 106

UA 1573
Roller Glide Channel
Kg/m: 0.273
P: 148
OAD: 25 x 25

UA 1509
Cant with Drip Rail
Kg/m: 2.401
P: 646
OAD: 153.97 x 136.62

UA 1404
Roller Shutter
Kg/m: 0.394
P: 162
OAD: 58.85 x 11.3

UA 6784
P-Section
Kg/m: 1.062
P: 169
OAD: 60 x 30



Plastic Roller Door Glide
Code: XTRAROLLDOORGL+0100

Fits 1404
Each end of every second shutter
Minimum inside radius bend of 150mm

OAD = Overall Dimension
ID = Internal Dimensions
P = Ext Periphery

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

Contact your local branch to enquire.

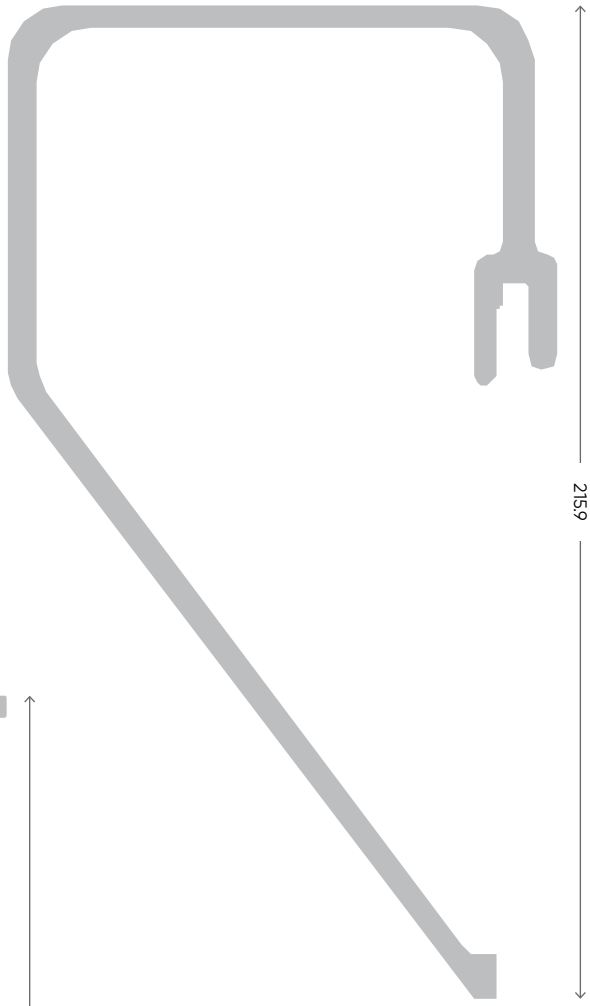
Diagrams are schematic only and not intended as specification drawings.

Transport *(continued)*

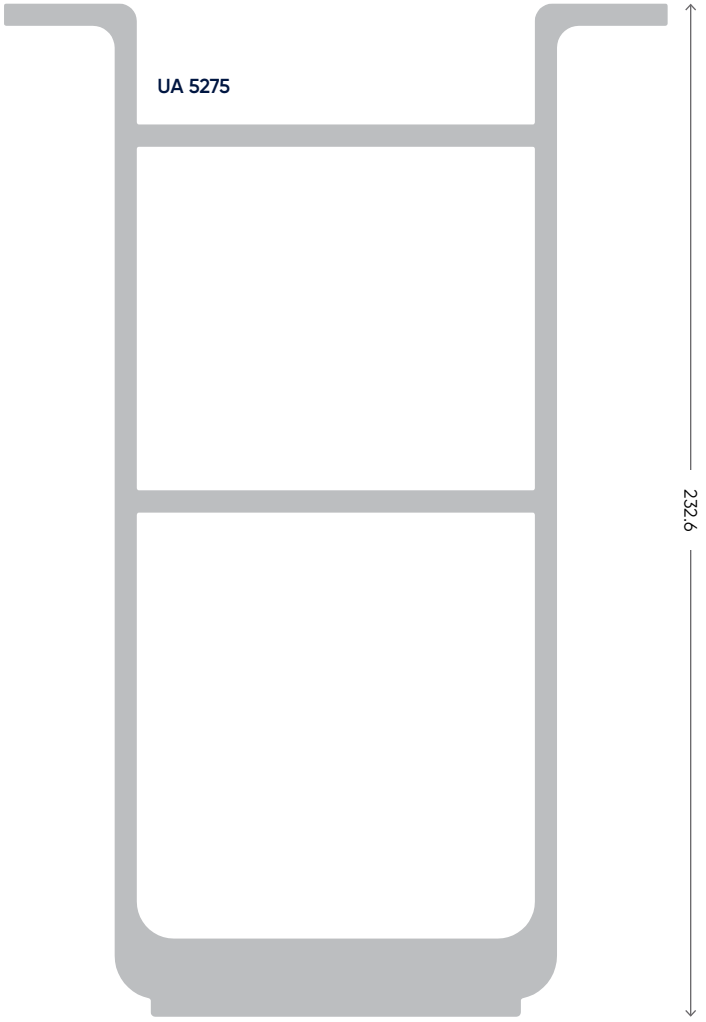
UA 5006
Coaming Rail
Kg/m: 7.173
P: 914
OAD: 215.9 x 119.4

UA 5275
Sub Frame
Kg/m: 13.851
P: 807
OAD: 232.6 x 152.4

UA 5006



UA 5275



OAD = Overall Dimension
ID = Internal Dimensions
P = Ext Periphery

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.

Transport *(continued)*

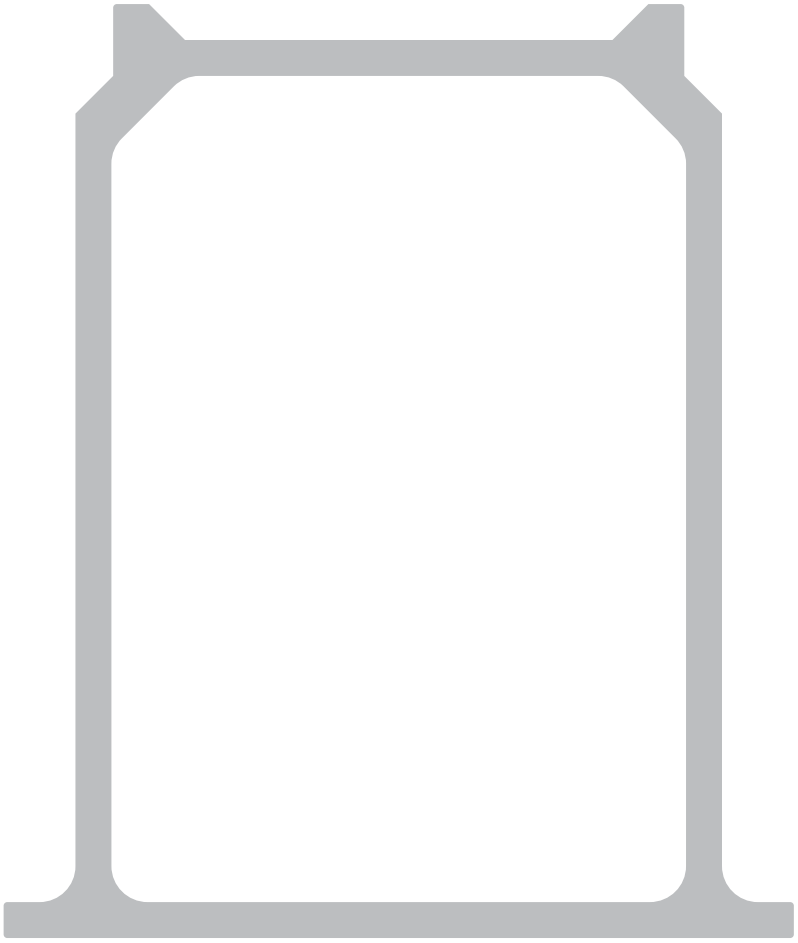
UA 4394 (MR)
Chassis Runner Cap
Kg/m: 4.599
P: 349
OAD: 90 x 50

UA 4395 (MR)
Chassis Runner
Kg/m: 6.132
P: 473
OAD: 130 x 110

UA471 I (MR)
Top Hat
Kg/m: 1.389
P: 366
OAD: 140 x 34.9

UA 4394 (MR)

UA 4395 (MR)



UA 4711 (MR)

OAD = Overall Dimension
ID = Internal Dimensions
P = Ext Periphery

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

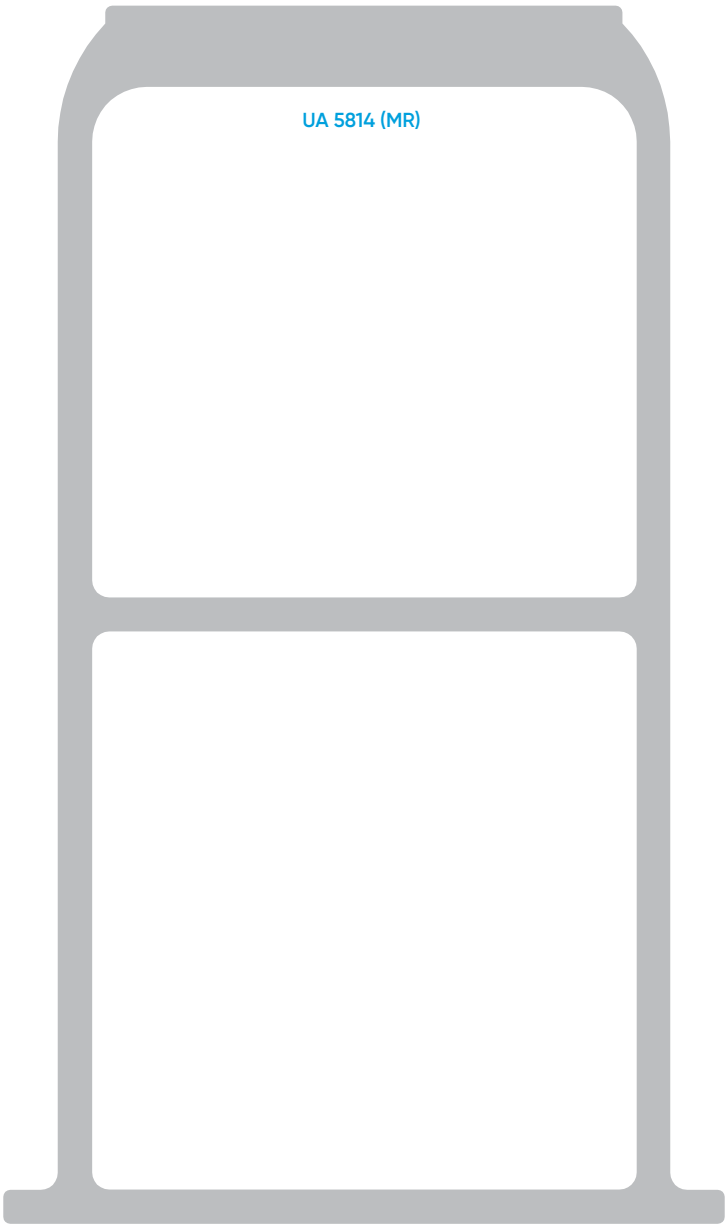
Contact your local branch to enquire.

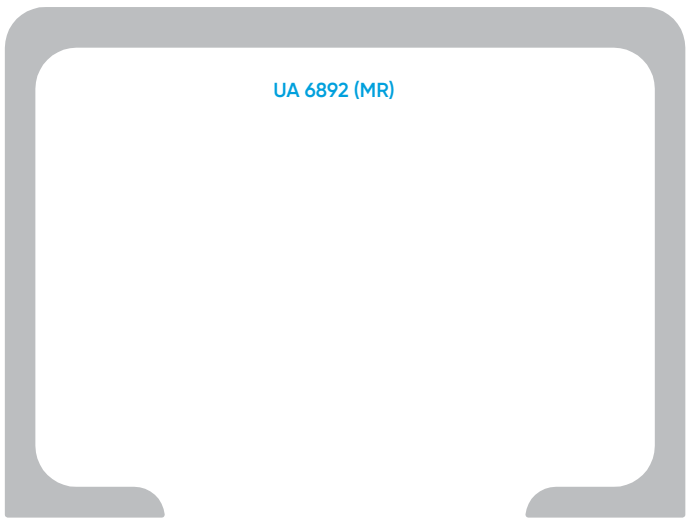
Diagrams are schematic only and not intended as specification drawings.

Transport *(continued)*

UA 5814 (MR)
Tipper Sub Frame
Kg/m: 9.596
P: 555
OAD: 179 x 106

UA 6892 (MR)
Channel
Kg/m: 3.777
P: 544
OAD: 100 x 75





OAD = Overall Dimension
ID = Internal Dimensions
P = Ext Periphery

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.

06/

Wallboard Cappings, Jointers & Corners

Wall Cappings

UA 1623
1.6mm Capping
Kg/m: 0.083
P: 54
OAD: 18 x 4.6

UA 1451
3mm Capping
Kg/m: 0.088
P: 68
OAD: 21 x 6

UA 3871 (MR)
4.5mm Aquapanel Cap
Kg/m: 0.115
P: 70
OAD: 19 x 7.4

UA 1455
5mm Capping
Kg/m: 0.094
P: 71
OAD: 21 x 8

UA 1461
6.5mm Capping
Kg/m: 0.099
P: 75
OAD: 21 x 9.5

UA 4405
10mm Capping
Kg/m: 0.117
P: 89
OAD: 23 x 13.4

UA 4412
13mm Capping
Kg/m: 0.150
P: 95
OAD: 21.2 x 16.8

UA 4414
13mm Serrated Cap
Kg/m: 0.224
P: 125
OAD: 33 x 17.78

UA 1627
14.5mm Capping
Kg/m: 0.153
P: 96
OAD: 21.2 x 18

UA 3403
18mm Capping
Kg/m: 0.163
P: 103
OAD: 21.2 x 20.8

UA 1922
20mm Capping
Kg/m: 0.172
P: 109
OAD: 23.8 x 21.2

UA 1623

UA 1451

UA 3871 (MR)

UA 1455

UA 1461

UA 4405

UA 4412

UA 4414

UA 1627

UA 3403

UA 1922

OAD = Overall Dimension
ID = Internal Dimensions
P = Ext Periphery

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.

Wallboard Jointers

UA 1624
1.6mm Jointer
Kg/m: 0.131
P: 84
OAD: 27 x 4.6

UA 1452
3mm Jointer
Kg/m: 0.117
P: 88
OAD: 27 x 6.5

UA 1456
5mm Jointer
Kg/m: 0.120
P: 91
OAD: 27 x 8

UA 1460
6.5mm Jointer
Kg/m: 0.134
P: 97
OAD: 27 x 9.5

UA 4406
10mm Jointer
Kg/m: 0.168
P: 121
OAD: 34 x 13.4

UA 7829
13mm Jointer
Kg/m: 0.177
P: 127
OAD: 34 x 16.4

UA 4409
13mm Serrated Jointer
Kg/m: 0.413
P: 212
OAD: 65 x 17.49

UA 1628
14.5mm Jointer
Kg/m: 0.276
P: 173
OAD: 50 x 18

UA 1472 (MR)
Variable Jointer
Kg/m: 0.099
P: 68
OAD: 25 x 4.5
Infill: 11

UA 1629
18.5 Jointer
Kg/m: 0.275
P: 165
OAD: 44 x 22

UA 1624

UA 1452

UA 1456

UA 1460

UA 4406

UA 7829

UA 4409

UA 1628

UA 1629

UA1472 (MR)

OAD = Overall Dimension
ID = Internal Dimensions
P = Ext Periphery

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.

Wallboard Internal Corners

UA 1453
3mm Int Corner
Kg/m: 0.143
P: 108
OAD: 23 x 17.5

UA 3874 (MR)
4.5mm Int Aquapanel
Kg/m: 0.215
P: 134
OAD: 24.1 x 24.1

UA 1457
5mm Int Corner
Kg/m: 0.147
P: 111
OAD: 23.5 x 18

UA 1622
6.5mm Int Corner
Kg/m: 0.172
P: 110
OAD: 24 x 19

UA 4408
10mm Int Corner
Kg/m: 0.224
P: 161
OAD: 31.5 x 23.5

UA 4411
13mm Int Serrated
Kg/m: 0.453
P: 230
OAD: 48 x 38.5

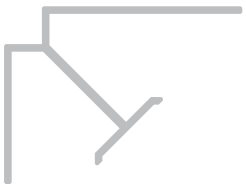
UA 1453

UA 3874 (MR)

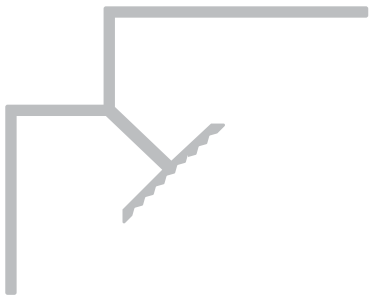
UA 1457

UA 1622

UA 4408



UA 4411



OAD = Overall Dimension
ID = Internal Dimensions
P = Ext Periphery

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.

Wallboard External Corners

UA 1454
3mm Ext Corner
Kg/m: 0.129
P: 97
OAD: 19 x 16.6

UA 3873 (MR)
4.5mm Ext Aquapanel
Kg/m: 0.216
P: 138
OAD: 19.05 x 18.5

UA 1458
5mm Ext Corner
Kg/m: 0.140
P: 105
OAD: 19 x 18.8

UA 1459
6.5mm Ext Corner
Kg/m: 0.148
P: 108
OAD: 20.35 x 18.9

UA 4407
10mm Ext Corner
Kg/m: 0.246
P: 178
OAD: 30.3 x 29

UA 4410
13mm Ext Serrated
Kg/m: 0.437
P: 232
OAD: 42.18 x 38.70

UA 1454

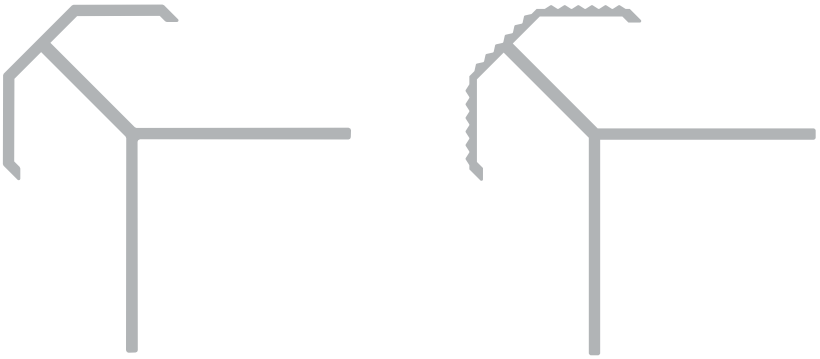
UA 3873 (MR)

UA 1458

UA 1459

UA 4407

UA 4410



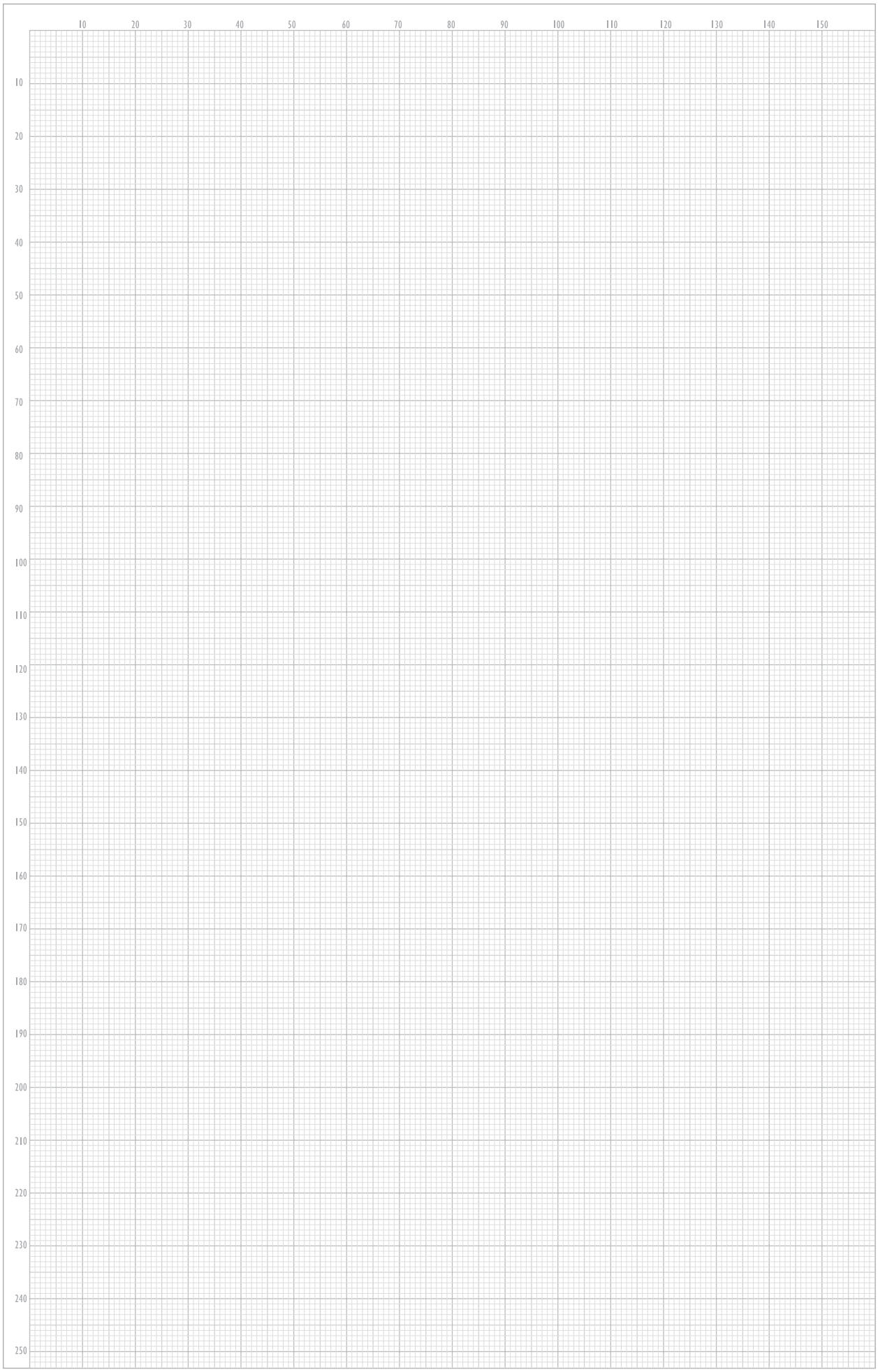
OAD = Overall Dimension
ID = Internal Dimensions
P = Ext Periphery

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.


10
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220
230
240
250

07

Miscellaneous

Miscellaneous

UA 4473
Bench Seat Top
Kg/m: 2.787
P: 870
OAD: 254 x 55

UA 4382
Concrete Screed
Kg/m: 1.234
P: 236
OAD: 70 x 50

UA 1391
Showerscreen Frame
Kg/m: 0.341
P: 107
OAD: 30.5 x 10.5

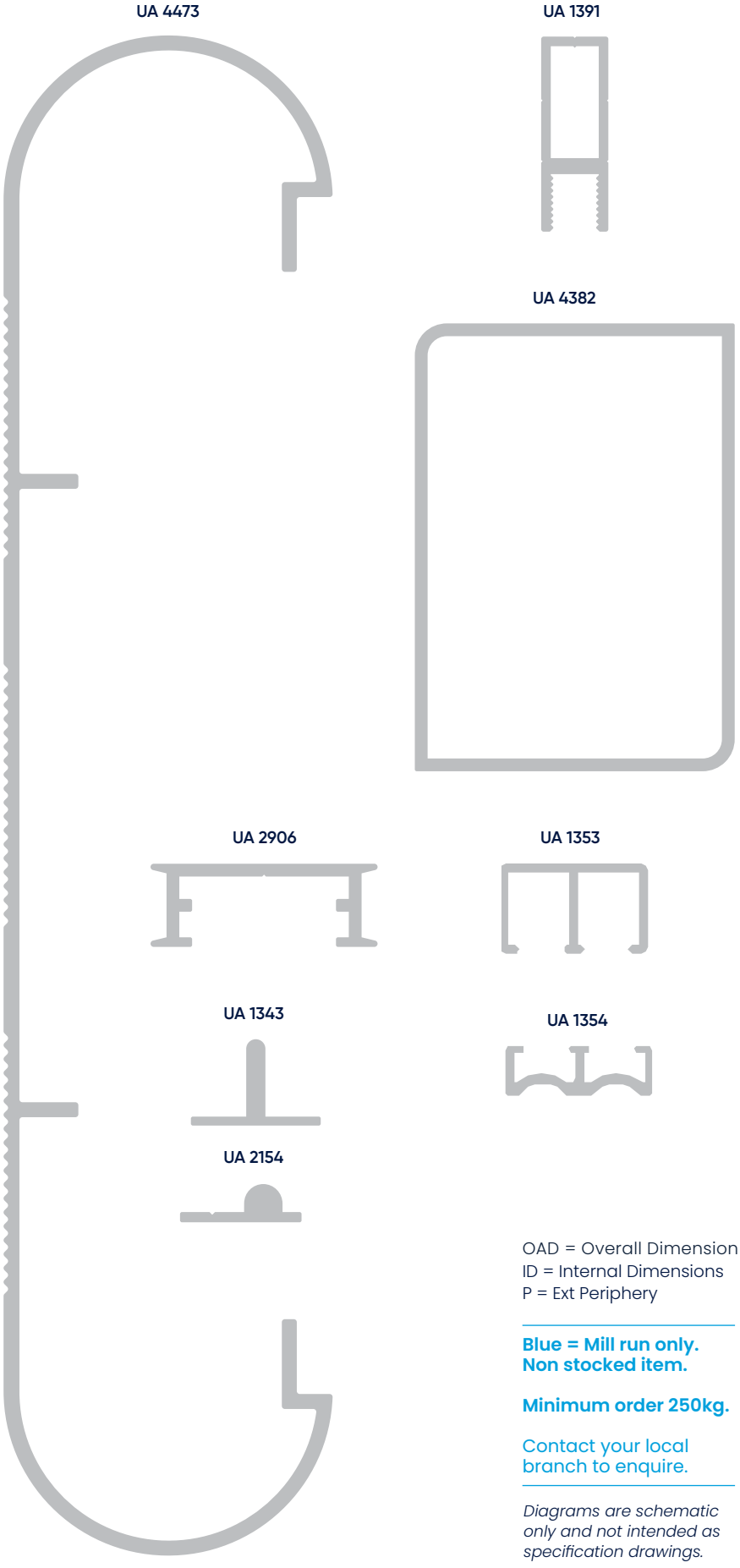
UA 1353
6mm Glass Track Top
Kg/m: 0.232
P: 131
OAD: 23 x 14

UA 1354
6mm Glass Track Base
Kg/m: 0.179
P: 99
OAD: 23 x 8

UA 2906
Din Rail
Kg/m: 0.353
P: 141
OAD: 35.5 x 13

UA 1343
Sliding Door Tee
Kg/m: 0.146
P: 48
OAD: 15.8 x 19

UA 2154
Door Track
Kg/m: 0.143
P: 48
OAD: 19 x 6



OAD = Overall Dimension
ID = Internal Dimensions
P = Ext Periphery

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.

Modular System

HWJOIN252L
2 Way Corner Jointer

HWJOIN253Y
3 Way Y Shape Corner Jointer

HWJOIN243T
3 Way T Shape Jointer

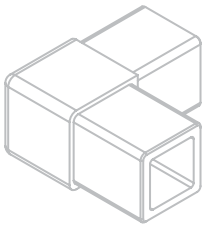
HWJOIN254Y
4 Way Y Shape Corner Jointer

HW25ENDBRK
End Mounting Bracket

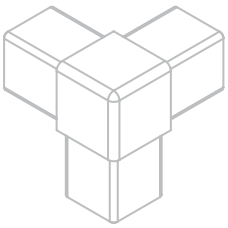
UA 1641
Square Tube
Kg/m: 0.341
P: 114
OAD: 25.4 x 25.4 x 1.2

UA 1642
Square Tube - Lipped
Kg/m: 0.313
P: 101
OAD: 25.4 x 25.4 x 1.2

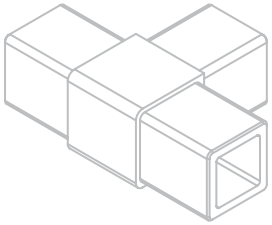
HWJOIN252L



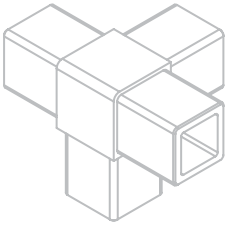
HWJOIN253Y



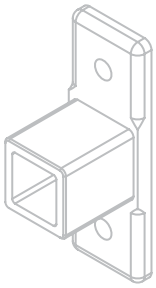
HWJOIN243T



HWJOIN254Y

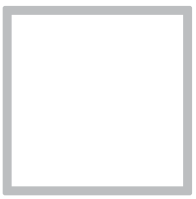


HW25ENDBRK



UA1641

UA1642



OAD = Overall Dimension
ID = Internal Dimensions
P = Ext Periphery

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.

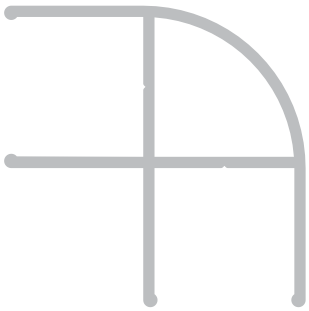
Toilet Partitioning & Modular Sections

UA 6455
18mm Corner
Kg/m: 0.591
P: 225
OAD: 40.1 x 40.1

UA 5949
18mm Capping
Kg/m: 0.235
P: 2119
OAD: 21.6 x 20

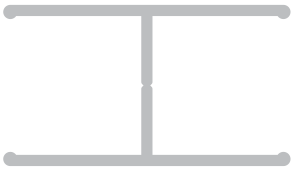
UA 6453
18mm Jointer
Kg/m: 0.389
P: 194
OAD: 38.5 x 21.6

UA 6455



UA 5949

UA 6453



UA 1642

OAD = Overall Dimension
ID = Internal Dimensions
P = Ext Periphery

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.

Marine

UA 3747
Hull Planing Strip
Kg/m: 0.526
P: 79
OAD: 64.3 x 45

UA 1425
Sail Track
Kg/m: 0.213
P: 85
OAD: 22 x 8

UA 1424
Sail Track
Kg/m: 0.478
P: 124
OAD: 32 x 12

UA 1421
5mm Perspex Cap
Kg/m: 0.393
P: 99
OAD: 22 x 12

UA 1642
Square Tube - Lipped
Kg/m: 0.313
P: 101
OAD: 25.4 x 25.4 x 1.2

UA 1640
4mm Gunnel
Kg/m: 0.857
P: 167
OAD: 38 x 32

UA 3079
4-5-4mm Gunnel
Kg/m: 1.11
P: 194
OAD: 50 x 35

UA 5236
5-6-5mm Gunnel
Kg/m: 1.706
P: 240
OAD: 60 x 45

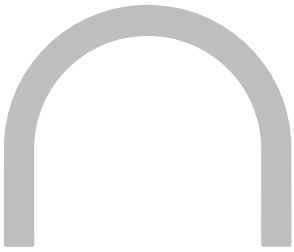
UA 3747

UA 1425

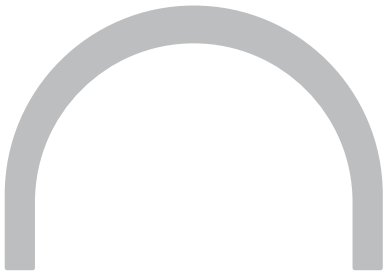
UA 1424

UA 1421

UA 1640



UA 3079



UA 5236

UA 1642

OAD = Overall Dimension
ID = Internal Dimensions
P = Ext Periphery

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.

Fence & Gate

UA 7613
Fence/Gate Panel
OAD: 60 x 17

UA 6856
Fence/Gate Panel
OAD: 115 x 17

UA 6857
Tongue & Groove Panel
OAD: 106.80 x 17

UA 6859
Sliding Gate Track
Kg/m: 0.798
P: 194
OAD: 50.2 x 18

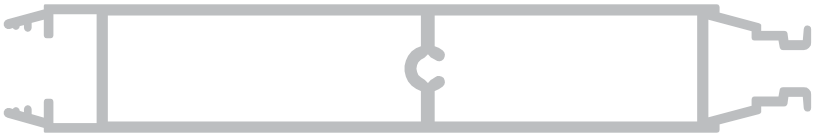
UA 1661
Louvre Blade
OAD: 100

UA 1642
Square Tube - Lipped
Kg/m: 0.313
P: 101
OAD: 25.4 x 25.4 x 1.2

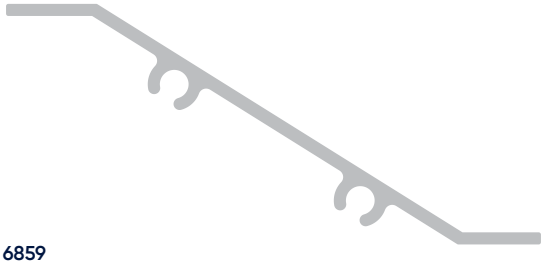
UA 7613

UA 6856

UA 6857



UA 1661



UA 6859

OAD = Overall Dimension
ID = Internal Dimensions
P = Ext Periphery

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.

Security Door & Window

UA 1376
Security Joiner
Kg/m: 0.257
P: 129
OAD: 28 x 10.9

UA 1377
Security Door
Kg/m: 0.715
P: 240
OAD: 72 x 20

UA 7008
UltraSafe Window Frame
Kg/m: 0.444
P: 144
OAD: 40.25 x 10.8

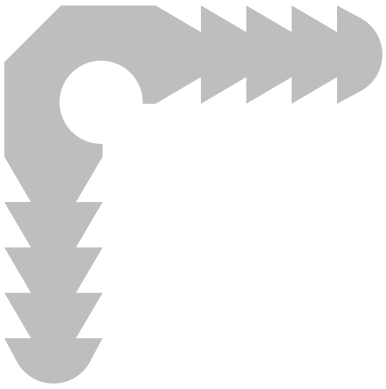
UA 1310
Heavy Draght Exclusion Section
Kg/m: 0.145
P: 75
OAD: 18 x 13

UA 1379
Flyscreen Stake
Kg/m: 2.227
P: 264
OAD: 50 x 50

UA 1864
Security Door Stake for 1377
Kg/m: 3.336
P: 527
OAD: 104.5 x 77.5

UA 1376

UA 1379

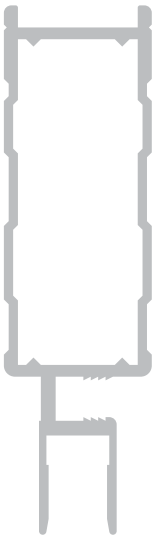


UA 7008

UA 1864

UA 1310

UA 1377



OAD = Overall Dimension
ID = Internal Dimensions
P = Ext Periphery

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.

Extrusions

UA 1490
Threshold
Kg/m: 0.892
P: 181
OAD: 76.2 x 12.7

UA 1488
Threshold
Kg/m: 1.888
P: 370
OAD: 169 x 14.68

UA 1490

UA 1488

OAD = Overall Dimension
ID = Internal Dimensions
P = Ext Periphery

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.

Stair Nosing & Flooring

UA 1432
Nosing Heavy Serrated
Kg/m: 0.419
P: 154
OAD: 49.86 x 27

UA 1435
Angle Serrated
Kg/m: 0.204
P: 93
OAD: 26.42 x 19

UA 1436
Nosing Castellated
Kg/m: 0.466
P: 152
OAD: 57.5 x 16

UA 1440
Castellated Flat
Kg/m: 0.244
P: 96
OAD: 38.4 x 3

UA 1442
Angle Serrated
Kg/m: 0.143
P: 85
OAD: 20 x 20

UA 1491
Vinyl Floor Cope
Kg/m: 0.140
P: 60
OAD: 25.4 x 5.56

UA 1497
Nosing Single Round
Kg/m: 0.388
P: 164
OAD: 55.2 x 28

UA 1498
Nosing Single Square
Kg/m: 0.378
P: 160
OAD: 52.2 x 28

UA 1498
Nosing Single Square
Kg/m: 0.378
P: 160
OAD: 52.2 x 28

Aquadeck Nosing Infill
To suit UA 1497 & UA1498
Size: 42mm x 1.8m roll
Colour: Black or Yellow

Walksafe Nosing Infill
To suit UA 1497 & UA1498
Size: 42mm x 1.8m roll
Colour: Black or Yellow

UA 2323
Formica Trim
Kg/m: 0.091
P: 52
OAD: 20.5 x 6.5

UA 1432

UA 1497

UA 1435

UA 1498

UA 1436

Aquadeck Nosing infill

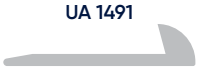
Walksafe Nosing infill

UA 1440

UA 2323

UA 1442

UA 1491



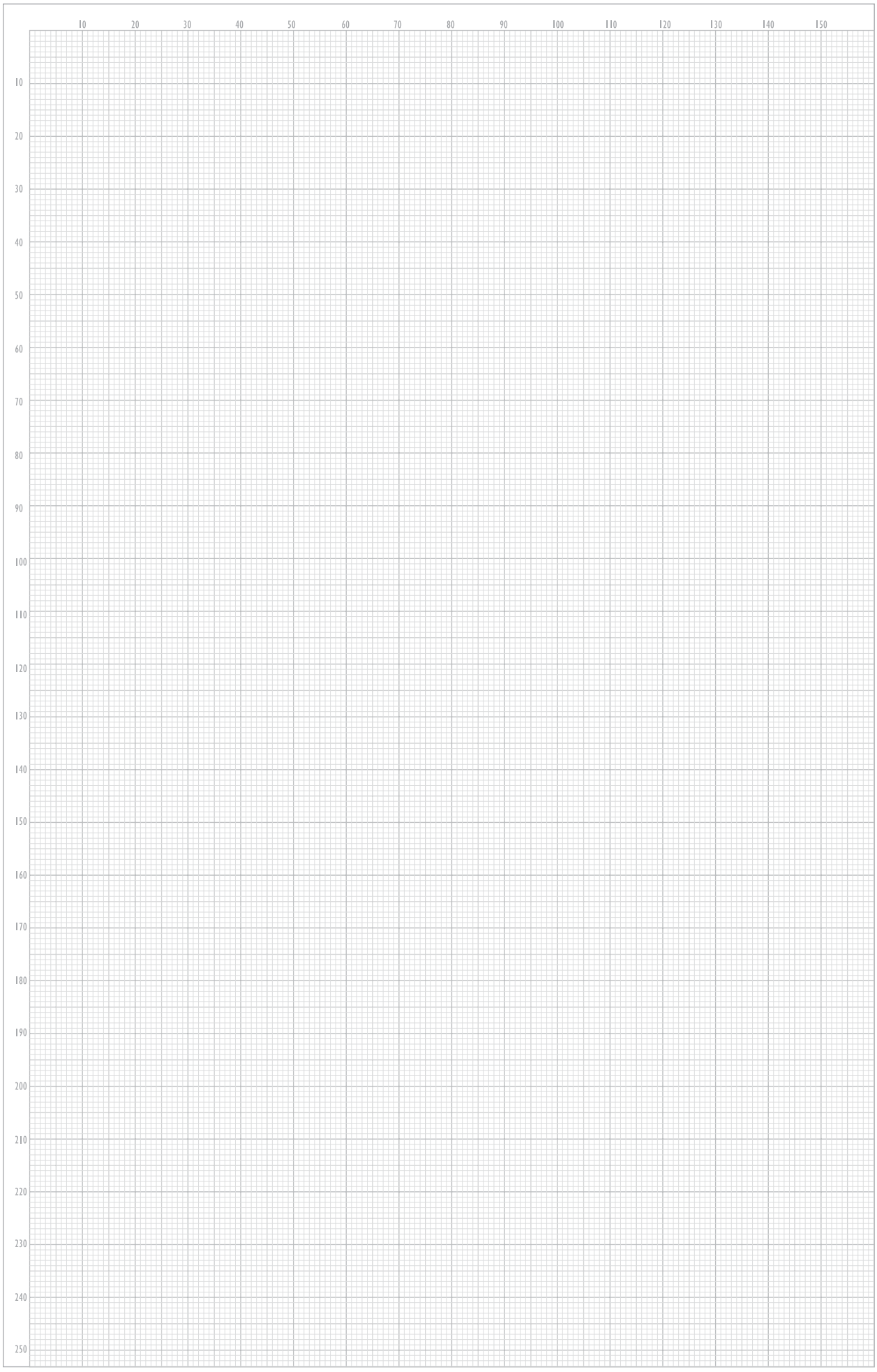
OAD = Overall Dimension
ID = Internal Dimensions
P = Ext Periphery

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.


10 20 30 40 50 60 70 80 90 100 110 120 130 140 150
10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250

08/

Sign Panels

4mm Sign Panels

UA 1642
Square Hollow
Kg/m: 0.313
P: 102
OAD: 25.4 x 25.4

UA 7948
4mm Sign Panel Cap
Kg/m: 0.167
P: 89
OAD: 26.5 x 8

UA 7949
4mm Sign Panel Jointer
Kg/m: 0.305
P: 160
OAD: 51.5 x 8

UA 7950
4mm Sign Panel Int Corner
Kg/m: 0.334
P: 172
OAD: 33 x 33

UA 7951
4mm Sign Panel Ext Corner
Kg/m: 0.366
P: 184
OAD: 32.56 x 32.56

UA 7990
4mm Sign Panel Frame
Kg/m: 0.481
P: 125
OAD: 32 x 20.5

UA 7991
4mm Sign Panel Box Frame
Kg/m: 1.269
P: 443
OAD: 67.4 x 67.4

UA 1508
Cast Box Corner Fits UA 7991
Code: FCA1508
Made to order, minimum order quantity required for purchase

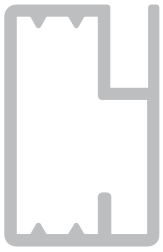
UA 7948

UA 7949

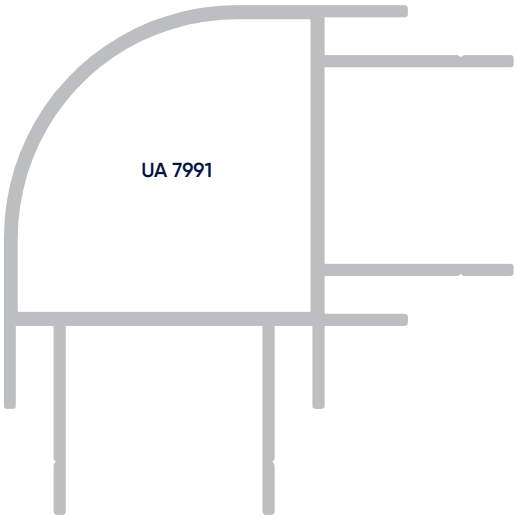
UA 7951

UA 7950

UA 7990



UA 7991



UA 1642

UA 1508

OAD = Overall Dimension
ID = Internal Dimensions
P = Ext Periphery

Blue = Mill run only. Non stocked item.

Minimum order 250kg.

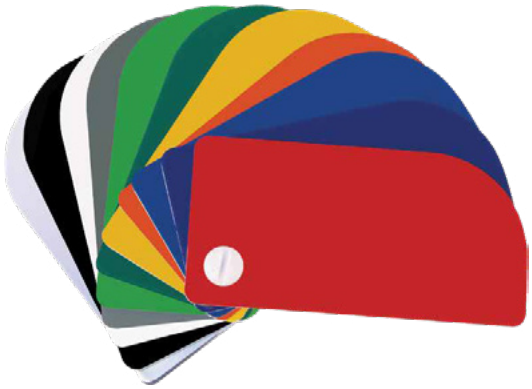
Contact your local branch to enquire.

Diagrams are schematic only and not intended as specification drawings.

UltraSign

A popular product consisting of an insulated core sandwiched between two aluminium facings.

UltraSign is often used extensively for external walls, internal structures, signages and roof construction on commercial buildings. Specialist uses include cold storage, warehousing, food, hotels and other environments which need to adhere to stringent hygiene standards.



Composition

- Three layer composite structure.
- Aluminium sheet (standard thickness 0.30mm) covers both sides.
- The panel is surface coated with PE (Polyester) paint.

The centre core is low density polyethylene.

Features

UltraSign Composite Sign Panel is well known for its main characteristics such as:

- Pre-painted, light weight panel
- Excellent surface flatness and paintable smooth surface
- High quality colour consistency
- Surface enables precise printing
- High strength and flexible
- Easy to fabricate
- Easy to maintain

Product Applications*

- Signage and displays
- Advertisement boards
- Creative interior decoration
- Recommended for use as a Signage Panel

Colours

- Standard colour range as per chart
- Various colour combinations and finishes available on each side.**
- Surface coated with PE (Polyester) paint

Panel Sizes

- 2440 x 1220 x 4mm
- 3000 x 1500 x 4mm
- 3600 x 1500 x 4mm
- 4800 x 1500 x 4mm

Colours

Side A

Black (Gloss/Matt)

Red (Gloss)

Dark Blue (Gloss)

Side B

White (Gloss/Matt)

Yellow (Gloss)

Aluminium (Natural)

** Sign Panel is Not Fire Resistant and is Not Approved for use as an Exterior Building or Construction Cladding.*
*** Check on range and availability of stocked items*

Technical Data

Sign Panel Thickness	4mm
Panel weight (kg/m2)	4.8mm
Aluminium Sheet Thickness	0.30mm
Panel Thickness Tolerance	+/- 0.2mm
Panel Width Tolerance	+/- 2mm
Panel Length Tolerance	+/- 3mm
Panel Diagonal Tolerance	+/- 5mm
Aluminium Sheet Thickness Tolerance	+/- 0.02mm
Paint Thickness	20 +/- 2 µm
Paint Pencil Hardness	>HB
Paint Toughness	3T
Impact Strength	50 (kg/cm)
Temperature Resistance	-50°C to 90 °C (Subject to thermal expansion & shrinkage
Fire Resistance	NOT Fire resistant - Material is combustible & flammable
Peel Strength (180°C)	>5 Newton/mm
Boiling Water Resistance	2 Hours without change
Storage	Avoid areas affected by rain, dampness or condensation
Solvent Resistance	100x with Dimethylbenzene without change
Cleaning Resistance	Over 100x without change

UltraSign ACP for Sign/Display Polyester Coating Warranty
This warranty pertains to the polyester coating system with one coat polyester quality on the surface of the aluminium composite sign panel.
In regards to weather resistance the polyester coating has a consistent colour aging of white over I 0 years and approximately 5 years for all other colours. This is dependent upon the panels being used in standard project locations and under normal conditions.

Normal conditions exclude the following:
Corrosive or aggressive environments e.g wind born sand, chemicals or chemical fumes, contamination by salt spray, submersion in water and airborne fumes or liquids.
Damage to the product caused by cut edges exposed to the environment.
Damage such as scratching caused in storage, handling, processing, during or after installation.

Panels must be cleaned frequently.
It is recommended that the panels be cleaned with a fluff free cloth using warm water (20-30°C) mixed with a neutral detergent. After cleaning, panels should be washed down with cold water.
DO NOT USE any powerful alkaline cleaning agents such as potassium hydroxide, sodium carbonate or caustic soda, or any powerful acidic products or scouring agents.
DO NOT STORE in rain, wet areas or areas with high condensation.

Security Mesh

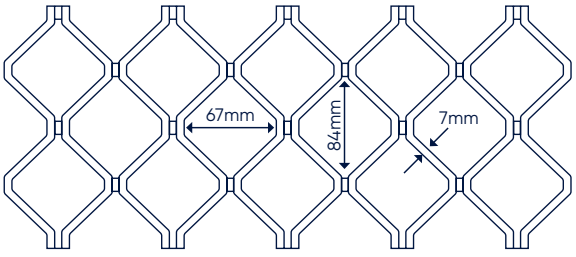
We offer an extensive range of UltraSafe security window and door screens, combining stainless steel woven mesh, high-grade aluminum framing, and top tier hardware.

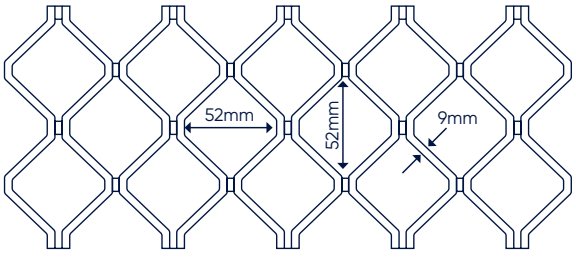
Tested for Harsh Conditions

Our security products are designed and tested to withstand the harsh conditions, including cyclonic debris requirements. This ensures that you can secure your home effectively while maintaining the luxury of openness. UltraSafe's unique design allows assembly without the need for screws, rivets, or pins, eliminating any possible cause for corrosion.

Superior Quality and Durability

All UltraSafe security window and door screens are manufactured using high-grade, innovatively designed aluminum framing extruded from 6063 T6 premium grade alloy and woven wire mesh made from 316 grade stainless steel. This combination ensures exceptional corrosion resistance, strength, and durability.





"007" Security Mesh AS2803

Panel Sizes

- 2000 x 750 x 7mm
- 4000 x 750 x 7mm
- 2000 x 920 x 7mm
- 4000 x 920 x 7mm
- 2000 x 1250 x 7mm
- 4000 x 1250 x 7mm

Available In

- Mill finish
- Silver Anodised
- Bronze Anodised
- White Powder Coated

"009" Security Mesh AS2803

Panel Sizes

- 2000 x 1160 x 9mm

Available In

- Mill finish only

09/

Building Systems

UltraClad®

We offer advanced cladding and facade solutions designed for tomorrow's architecture. Our systems offer unmatched quality and style, from sleek commercial interiors to elegant residential facades.

Our cladding systems are crafted to endure, offering superior resistance against the elements while maintaining their visual integrity. Ideal for architects and builders seeking sustainable, low-maintenance solutions, UltraClad stands as a testament to eco-friendly, yet striking architectural design.

Durability

Crafted from premium extruded aluminium, UltraClad offers unparalleled durability. It resists the common downfalls of traditional cladding materials, such as rotting, warping, or fading, under environmental stresses. This robustness not only enhances the longevity of your structure but also assures peace of mind.

Sustainable

UltraClad embraces the circular economy with its 100% recyclable aluminium composition, ensuring environmental responsibility alongside architectural innovation. It's an eco-friendly choice that mitigates deforestation and champions sustainability in construction.

Low Maintenance

UltraClad's low maintenance aluminium design significantly reduces lifetime costs. It offers lasting quality with minimal upkeep, ensuring cost-effective, long-term value for your facade.

Fire Resistance

UltraClad's fire-resistant qualities make it an ideal choice for modern construction. Offering superior protection against fire hazards, it aligns with the highest safety regulations, ensuring your building's resilience in the face of fire.

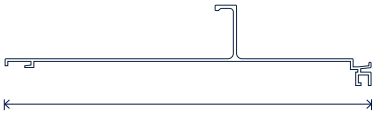
UltraClad® Profiles

UltraClad is produced in a range in widths from 140mm to 205mm. Extruded from 6060 T5 premium grade aluminium, UltraClad is tested to Australian cyclonic conditions and is backed by an extensive warranty

UltraClad® Shiplap

UltraClad® UltraLine

UltraClad® UltraTray



UltraClad® ShadoLine

UltraClad® ShadoLine 100

UltraClad® ShadoLine 140

UltraClad® Infinity Board

UltraClad® Traditional

UltraBatten®

UltraBatten® offers an elegant, streamlined cladding approach that encapsulates form and functionality. Its distinct, clean lines and uncomplicated installation underscore a commitment to design simplicity and integrity.

Perfect for a range of applications, from facades to feature walls, UltraBatten® is built to last, boasting exceptional durability and minimal upkeep. Embrace the blend of aesthetic simplicity and practical innovation with UltraBatten, and elevate your project with its understated sophistication.

Versatility

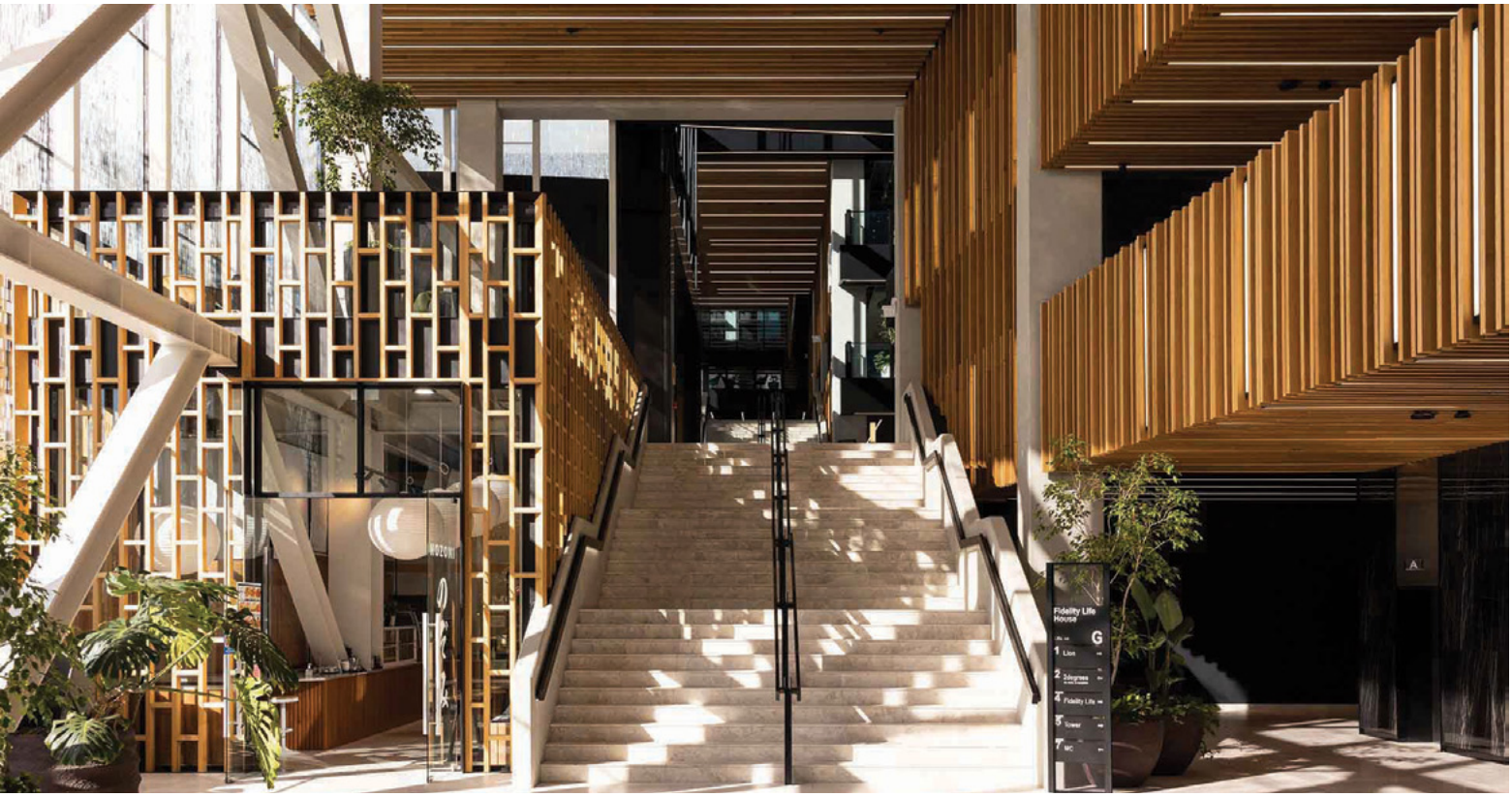
UltraBatten is highly adaptable and can be used across various architectural applications, including facades, interior ceilings, external louvres, privacy screening, and pergola shade protection. Its flexibility in use makes it suitable for both commercial and residential projects.

Ease of Installation

Featuring a hidden fixing system on a backing plate, UltraBatten offers a straightforward and efficient installation process. This design simplifies the mounting procedure and ensures a clean, seamless appearance upon completion.

Low Maintenance

Unlike traditional materials that may require frequent upkeep, UltraBatten is low maintenance, retaining its aesthetic and functional qualities over time without the need for constant care. This benefit reduces both the time and cost associated with maintenance, offering added value to any project.



UltraBatten Profiles

UltraBatten comes in a variety of sizes, to find the ideal size that fits within your vision, or mix and match to create a unique feature profile.

UltraBatten® 25mm x 50mm

UltraBatten® 25mm x 75mm

UltraBatten® 25mm x 100mm

UltraBatten® 25mm x 150mm

UltraBatten® 50mm x 50mm

UltraBatten® 50mm x 100mm

UltraBatten® 50mm x 150mm

UltraBatten® 50mm x 200mm

10

Ladders

Trade Series Aluminium Range

Tough ladders for every trade site.

Dual Purpose Ladder

Code	Steps	Max. Rating
OXSE06	6	150 kg
OXSE07	7	150 kg
OXSE08	8	135 kg

Adjustastep Telescopic Platform Ladder

Code	Steps	Max. Rating
OXTPL03-05	3-5	200 kg
OXTPL04-07	4-7	200 kg
OXTPL05-09	5-9	200 kg

Extension Ladder

Code	Steps	Max. Rating
OXEL09	9	150 kg
OXEL11	11	150 kg
OXEL13	13	135 kg

Adjustastep Telescopic Platform Ladder

Code	Steps	Max. Rating
OXEL09LFT	9	150 kg
OXEL11LFT	11	150 kg
OXEL13LFT	13	135 kg

Dual Purpose Ladder

Code	Steps	Max. Rating
OXWP02	2	150 kg
OXWP03	3	150 kg
OXWP03W	3 Wide	150 kg

Double Sided Step Ladder

Code	Steps	Max. Rating
OXDS02	2	150 kg
OXDS03	3	150 kg
OXDS04	4	135 kg

Platform Ladder

Code	Steps	Max. Rating
OXPL02	2	180 kg
OXPL03	3	180 kg
OXPL04	4	180 kg
OXPL05	5	180 kg
OXPL06	6	180 kg
OXPL08	8	180 kg

Telescopic All-in-One Ladder

Code	Steps	Max. Rating
OXTL03	3	150 kg
OXTL04	4	150 kg
OXTL05	5	150 kg

Straight Ladder

Code	Height	Max. Rating
CSL1.8	2.1m	150kg
CSL2.4	2.4m	150kg
CSL3.0	3.0m	150kg
CSL3.6	3.6m	150kg
CSL4.2	4.2m	150kg
CSL4.8	2.8m	150kg
CSL5.4	5.4m	150kg

Optional Bolt on Handrail

Code	Steps	Max. Rating
OXBOH		

Easy Step Safety Stepping Stool

Code	Colour	Max. Rating
EASTEP	Orange	150kg
EASTEPY	Yellow	150kg

Trade Series Fibreglass Range

Robust, electrically safe ladders.

Fibreglass Dual Purpose Ladder

Code	Steps	Max. Rating
OXDPF06	6	150 kg
OXDPF07	7	150 kg
OXDPF08	8	135 kg

Fibreglass Double Sided Step Ladder

Code	Steps	Max. Rating
OXDSF02	2	150 kg
OXDSF04	4	150 kg
OXDSF06	6	150 kg
OXDSF08	8	150 kg

Fibreglass Platform Ladder

Code	Steps	Max. Rating
OXPLF02	2	150 kg
OXPLF03	3	150 kg
OXPLF04	4	150 kg
OXPLF06	6	150 kg
OXPLF08	8	150 kg

Fibreglass Extension Ladder

Code	Steps	Max. Rating
OXELF09	9	150 kg
OXELF11	11	150 kg
OXELF13	13	135 kg

Fibreglass Telescopic All-in-One Ladder

Code	Steps	Max. Rating
OXTLF04	4 - 7	150 kg

Adjustastep Telescopic Platform Ladder

Code	Steps	Max. Rating
OXTPLF04-07	4 - 7	150 kg
OXTPLF05-09	5 - 9	150 kg

Folding Order Picker with Spring Wheels

Code	Steps	Max. Rating
WHOP04SW	4	150 kg
WHOP05SW	5	150 kg
WHOP06SW	6	150 kg
WHOP07SW	7	150 kg
WHOP08SW	8	150 kg

Warthog Range

The strongest and most durable ladders in New Zealand.

Dual Purpose Welded Ladder

Code	Steps	Max. Rating
WHSE04	4	180 kg
WHSE05	5	180 kg
WHSE06	6	180 kg
WHSE07	7	180 kg
WHSE08	8	180 kg
WHSE09	9	150 kg
WHSE10	10	150 kg

Double Sided Welded Step Ladder

Code	Steps	Max. Rating
WHDS03	3	180 kg
WHDS04	4	180 kg
WHDS05	5	180 kg
WHDS06	6	180 kg
WHDS07v	7	180 kg

Wide Double Sided Welded Ladder

Code	Steps	Max. Rating
WHDS02-800	2	180 kg
WHDS03-800	3	180 kg
WHDS04-800	4	180 kg

Welded Platform Ladder

Code	Steps	Max. Rating
WHPL02	2	180 kg
WHPL03	3	180 kg
WHPL04	4	180 kg
WHPL05	5	180 kg
WHPL06	6	180 kg
WHPL07	7	180 kg
WHPL08	8	180 kg
WHPL09	9	135 kg
WHPL10	10	135 kg

Foldaway Range

Fast, easy, and efficient height access solution.

FLDBP Base Pack

Reach Height	2.9m
Platform Height:	0.9m
Load Rating:	225 kg

FLDRP Guardrail Pack

Reach Height	3.9m
Platform Height:	1.9m
Load Rating:	225 kg

FLDUP Upper Pack

Reach Height	5.25m
Platform Height:	3.25m
Load Rating:	225 kg

Toeboard

Code:	FLDTBS

Outriggers

Code:	FLDORG

Mini Mobile 1.7m Long Range

Robust, electrically safe ladders.

MM210

Overall Height	1.9m
Platform Height:	0.9m
Load Rating:	225 kg

MM250

Overall Height	2.9m
Platform Height:	1.9m
Load Rating:	225 kg

MM310

Overall Height	3.7m
Platform Height:	2.7m
Load Rating:	225 kg

MM410

Overall Height	4.7m
Platform Height:	3.7m
Load Rating:	225 kg

Code:	MMG420

Outriggers

Code:	MOR280

Mini Mobile 3.0m Long Range

Robust, electrically safe ladders.

MM213

Overall Height	1.9m
Platform Height:	0.9m
Load Rating:	225 kg

MM253

Overall Height	2.9m
Platform Height:	1.9m
Load Rating:	225 kg

MM313

Overall Height	3.7m
Platform Height:	2.7m
Load Rating:	225 kg

MM413

Overall Height	4.7m
Platform Height:	3.7m
Load Rating:	225 kg

Outriggers

Code:	ORG705

Mobi 1400 Series Range - double width

Strong, robust & popular choice.

MOBI150

Overall Height:	2.04m
Platform Height:	1.15m
Load Rating:	450 kg

MOBI200

Overall Height:	2.95m
Platform Height:	2.05m
Load Rating:	450 kg

MOBI300

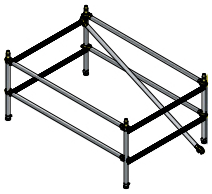
Overall Height:	3.85m
Platform Height:	2.95m
Load Rating:	450 kg

MOBI400

Overall Height:	4.75m
Platform Height:	3.85m
Load Rating:	450 kg

MOBI500

Overall Height:	5.65m
Platform Height:	4.75m
Load Rating:	450 kg



MOBI050

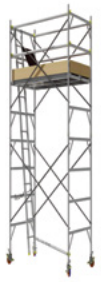
Outriggers

Code:	ORG705

H-Frame Steel Bracing Range - double width

FMT200

Platform Height:	2.4m
Length:	2.0m
Load Rating:	450 kg



FMT300

Platform Height:	3.0m
Length:	2.4m
Load Rating:	450 kg

FMT400

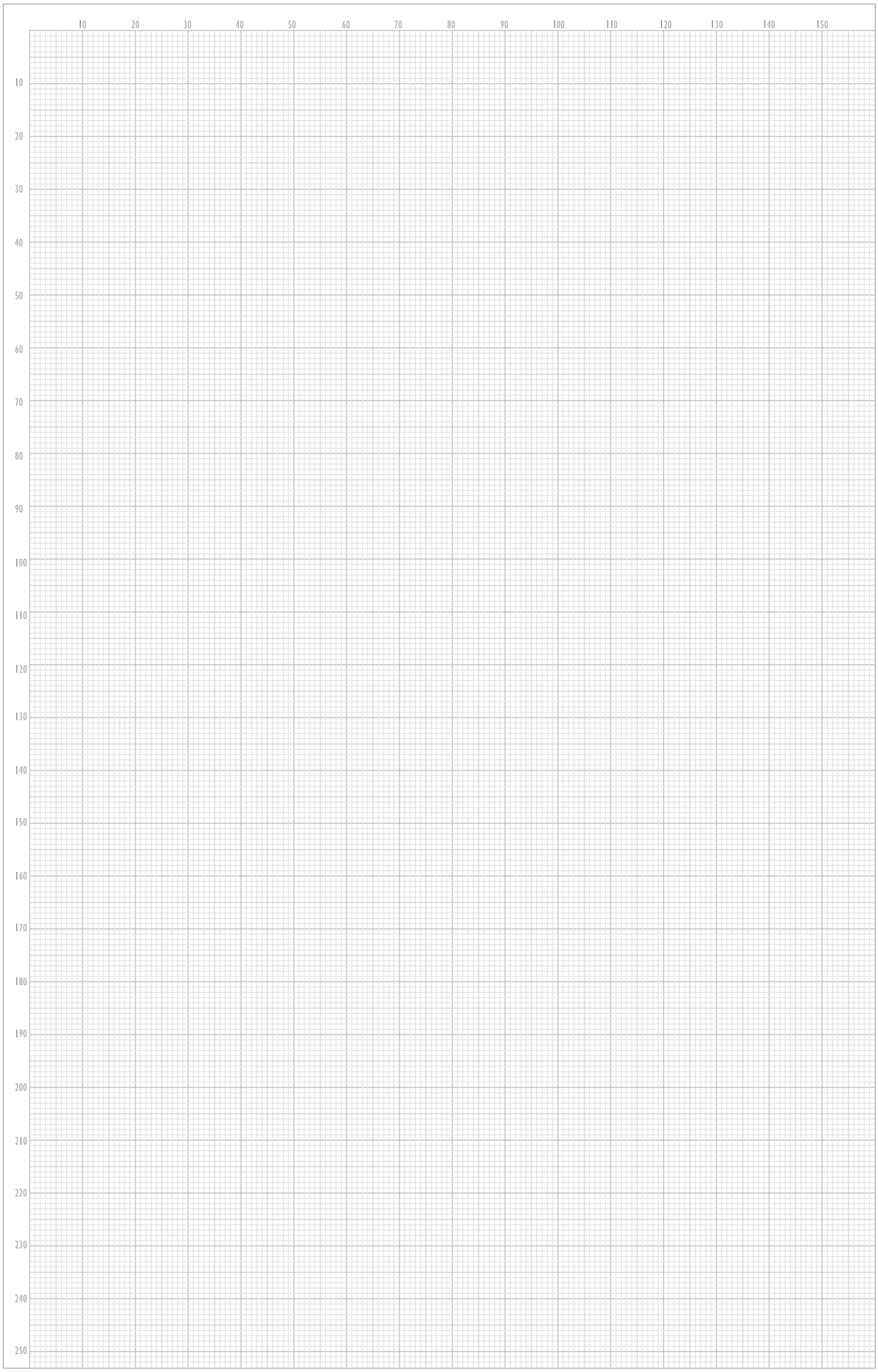
Platform Height:	4.0m
Length:	2.4m
Load Rating:	450 kg

FMT500

Platform Height:	5.0m
Length:	2.4m
Load Rating:	450 kg

Outriggers

Code:	ORG705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11

Services

Laser Cutting and Plasma Cutting

Vulcan offers the most comprehensive laser cutting and plasma cutting services for aluminium sheets and plates in New Zealand.

Laser Cutting

Laser cutting reduces the need for post-machining on many engineering jobs, lowering manufacturing costs. The process is accurate and energy-efficient which eliminates or reduces distortion. Our large-format capacity optimizes sheet usage and welding time which offers considerable cost-savings. Multiple items can be nested on fewer sheets, allowing for improved efficiency and faster speed of delivery.

Laser cutting delivers superior precision and edge quality compared to traditional methods, allowing intricate shapes to be cut with ease.

- Large bed capacity (3,000 mm x 6,000 mm)
- Scratch-free finish is typically available on one side only, due to the nature of the metal bed used for nesting the plates.
- High accuracy, precision cutting
- Repeatability – Intricate designs with slots, holes, angles, or detailed patterns can be consistently reproduced to exact specifications.
- Ideal for complicated shapes
- CAD/CAM component nesting for optimal material utilization
- Laser etching can be added to components to enhance customer efficiency, such as illustrating folding lines, part numbers, critical information etc.

Thickness	Smallest Ø hole
25.0mm	11.0mm
20.0mm	9.0mm
16.0mm	4.5mm
12.0mm	3.75mm
10.0mm	2.5mm
8.0mm	2.0mm
6.0mm	1.5mm
5.0mm	1.25mm
4.0mm	1.0mm
3.0mm	0.75mm
2.0mm	0.5mm

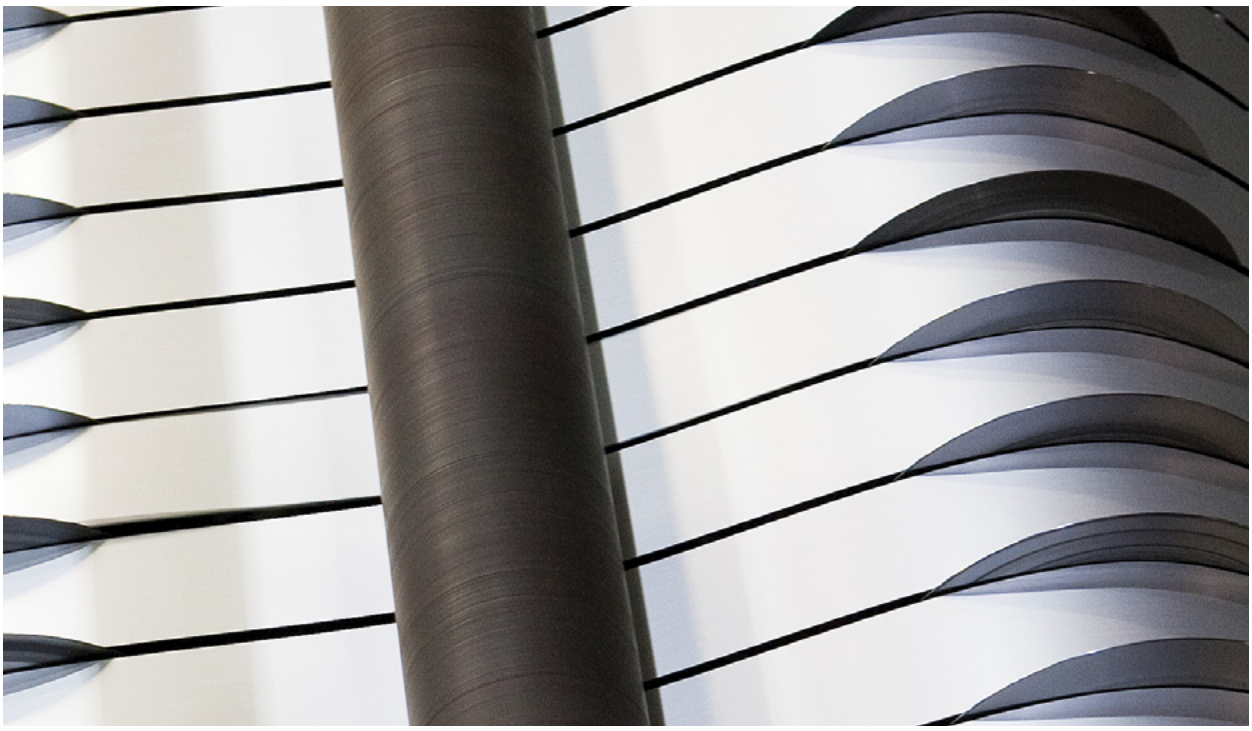
Plasma Cutting

- Hypertherm high definition plasma cutting machine
- 76mm max. cutting thickness
- Large bed capacity (3,000 x 6,800)
- C.N.C Operated
- Underwater cutting for less heat distortion
- During the plasma cutting process, a chamfered cut is created thus allowances need to be made for parts that need additional machining.
- Machining allowances need to be CLEARLY stated on placement of order
- In-house edge deburring service is provided.

Thickness	Smallest Ø hole	Rec. machining allowance
76.0mm	120.0mm	15.0mm
65.0mm	120.0mm	15.0mm
50.0mm	100.0mm	10.0mm
40.0mm	75.0mm	10.0mm
32.0mm	55.0mm	7.0mm
25.0mm	45.0mm	6.0mm
20.0mm	45.0mm	6.0mm
16.0mm	35.0mm	6.0mm
12.0mm	25.0mm	5.0mm
10.0mm	25.0mm	5.0mm
8.0mm	25.0mm	5.0mm

Coil Slitting and Cut-to-Length Service

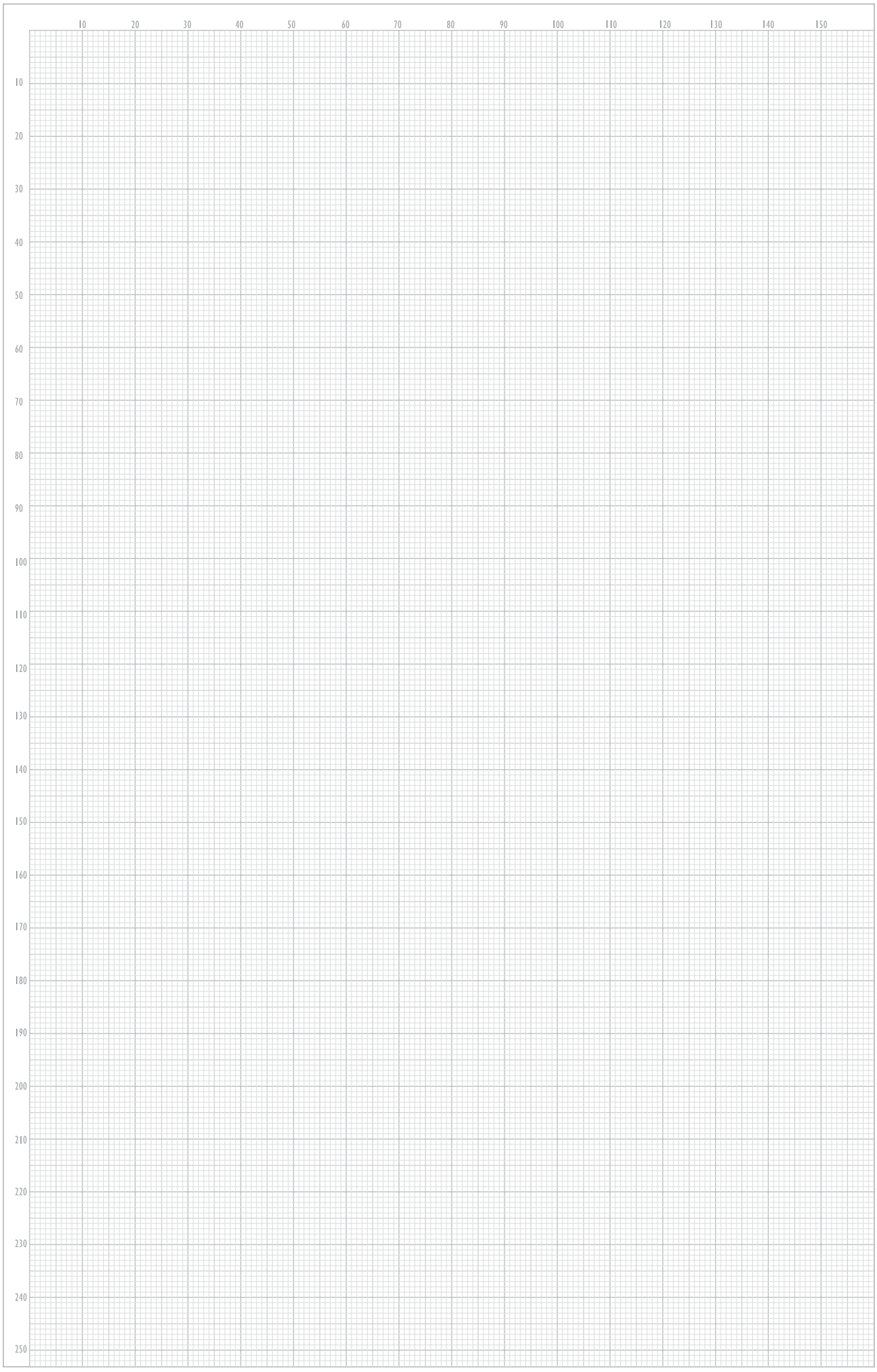
Vulcan offers coil slitting & cut-to-length services to cater to our customer's individual requirements.



To optimize your productivity and reduce waste and cost, we offer a full range of coil processing services including in house state of the art slitting, precision cut to length, and also a mini slitting and specialized blanking and service to give you more options for your production requirements.

Imperial (ft)	Metric (mm)
8 x 3	2438 x 0915
8 x 4	2438 x 1219
10 x 3	3048 x 0915
10 x 4	3048 x 1219
10 x 5	3048 x 1524
12 x 3	3658 x 0915
12 x 4	3658 x 1219

Gauge No.	(mm)
10	3.00
12	2.50
14	2.00
16	1.50
18	1.20
20	0.90
22	0.70
24	0.55
26	0.45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12 /

Technical Resources

Aluminium Characteristics and Applications

Origins of Aluminium

Aluminium is a metallic element that comes from the ore bauxite. Aluminium is one of about I 00 basic elements out of which the physical universe is built. In other words, it was created billions of years ago when the whirling clouds of hydrogen under constant pressure with electro-magnetic forces collided to form new elements. When Earth's mass cooled, aluminium mixed with water and oxygen to form the original matter from which bauxite is made. Bauxite is named after Les Baux, France, where it was discovered in 1821.

Converted to aluminium by modern processes, it becomes a light metal which can be given great strength by alloying with other metals. It is inherently corrosion-resistant, conducts heat and electricity, yet can be processed to reflect light and radiant energy. Aluminium is classified non-toxic. It is non-magnetic. It can be formed by all known metalworking processes. Its intrinsic properties make it able to be

Alloy	Characteristics	Available Forms	Applications
6060	Suitable for intricate sections of light and medium strength. Forms well in T4 temper. High corrosion resistance, good surface finish, anodises well.	All shapes, tubing and rod.	Architectural extrusions such as glazing bars, windows frames and general purpose extrusions.
6082	Recommended alloy for structural purposes. Good strength and general corrosion resistance. Good weldability.	Structural shapes of all types, rod, bar and tube, offered in T6 temper.	Vehicles, bridges, roof trusses and general structural applications.
6106	Light structural alloy. Designed to provide optimum mechanical properties, complexity of shape, minimum section thickness and good surface finish. Good corrosion resistance, weldability and formability.	Thinner structural shapes, rod, bar and tubing.	Light structural applications, where surface finish is important. Marine, transport applications.
6261	Special purpose structural alloy. Good surface finish and corrosion resistance. Good formability in T4 temper. Good weldability.	Structural shapes of all types, rod, bar and tube, offered in T6 temper.	Structural applications where surface finish is important. Marine, transport applications.
T4	Medium structural alloy. Good extrusion characteristics with good surface finish.	Structural shapes of all types, rod bar and tube offered in T5 temper.	Medium structural applications, where surface finish is important. Marine, Transport applications.
T5	Special purpose structural alloy. Good surface finish and corrosion resistance. Good formability in T4 temper. Good weldability.	Structural shapes of all types, rod, bar and tube, offered inT6 temper.	Structural applications where surface finish is important. Marine, Transport applications.
T6	Recommended alloy for structural purposes. Good strength and general corrosion resistance. Good weldability.	Structural shapes of all types, rod, bar and tube, offered in T6 temper.	Vehicles, bridges, roof trusses and general structural applications.

Properties

WEIGHT

The specific gravity of aluminium is 2.7, about one-third that of iron (7.9) and copper (8.9). The weight to strength ratio of aluminium makes it an ideal construction material for the transport industry - air, sea, road and rail - where its light weight contributes to energy saving, increased load capacity and speed. Aluminium is also used in large-scale construction of high-rise buildings, power transmission cables and towers.

CORROSION RESISTANCE

When aluminium is exposed to air, a thin oxidised film forms on the surface, which helps to protect the metal from further corrosion. Anodising treatment enhances corrosion resistance, and is used in building construction, joinery, household appliances and utensils.

SURFACE ENHANCEMENT

Aluminium can be thermoset powdercoated or electrochemically anodised surface treated for enhanced protection and appearance. A wide range of colours are available. Aluminium is thus widely used for interior and exterior cladding of buildings and vehicles, and the fabrication of household and commercial appliances.

Sheet Specifications

ALUMINIUM 5005 H34

Aluminium alloy 5005 is a medium strength alloy with very good resistance to atmospheric corrosion and very good weldability that is highly suitable for decorative anodising. Whilst alloy 5005 is suitable for anodising, streaks can occur - if the finish you are seeking is critical, please specify 'special anodising quality' at time of order.

Temper Type

ALUMINIUM 5052 H32

Aluminium alloy 5052 in H32 temper has very good corrosion resistance to seawater and marine and industrial atmosphere. It also has very good weldability and good cold formability. It is a medium to high strength alloy with a strength slightly higher than 5251 and a medium to high fatigue strength.

ALUMINIUM 5083 H321/116

Aluminium 5083 is known for exceptional performance in extreme environments. 5083 is highly resistant to attack by both seawater and industrial chemical environments.

Alloy 5083 also retains exceptional strength after welding. It has the highest strength of the non-heat treatable alloys but is not recommended for use in temperatures in excess of 65ºC.

Alloy	Properties	Application	
5005-H34		• Buildings – roofing, cladding, corrugated sheet, signage, road signs & name plates • Food & chemical equipment	• Furniture • Anodised parts • HVAC equipment • Packaging • Pipe & tube • Can bodies
5052-H32	• Decorative finish • Hard-wearing • Non-slip • Corrosion-resistant • Low maintenance • Anti-static • Lightweight	• Treadplate • Boiler making • Containers • Name plates • Road signs • Architectural Paneling	• Welded tubes • Chemical industry • Irrigation • Desalination units • Pressure vessels • Rivets
	• Very good corrosion resistance to seawater, marine, & industrial atmosphere • Excellent weldability • Good cold formability • Medium to high strength/fatigue strength • Decorative finish • Hard-wearing • Non-slip • Corrosion-resistant	• Treadplate • Boiler making • Containers • Nameplates • Road signs • Architectural panelling • Welded tubes	• Chemical industry • Irrigation • Desalination units • Pressure vessels • Rivets
5083		• Shipbuilding • Rail cars • Vehicle bodies • Tip truck bodies • Mine skips and cages • Pressure vessels	

Tolerances and Mechanical Property Limits

Applicable manufacturing tolerances are those set out by the Aluminium Development Council of Australia Ltd (ADCA) in Aluminium Standards, Data and Design: Wrought Products (First Edition 1994). Invariably, tolerances for an individual geometric shape are subject to negotiation and agreement between extruder and customer. Under this provision, the function of the shape in its specific application is given priority consideration. All manufacturing tolerances are subject to review from time to time.

DIMENSION TOLERENCES[1]

Cross-sectional metal dimension[2] (mm)	ADCA Tolerance (mm)
Up to 3	0.15
3 to 6	0.18
6 to 12	0.20
12 to 20	0.23
20 to 25	0.25
25 to 40	0.31
40 to 50	0.36
50 to 100	0.61
100 to 150	0.86
150 to 200	1.12
200 to 20	1.37

I. Dimensional tolerances are rounded down to the nearest 0.05mm because all calipers used to measure metal dimensions are almost universally graduated at intervals of 0.05mm
2. Metal dimensions refer to solid metal dimensions or any measurement unbroken by a gap or void. For tolerances across gaps or voids refer to ADCA Standards.

USEFUL FORMULAE

Nominal mass (kg/m²) of extruded aluminium:

Calculate cross-section area (mm²) and multiply by 0.00271

Factor

Difficulty of Extrusion Factor:

Calculate the perimeter of the section (for hollow sections, both outside and inside perimeters) and divide the result by the nominal mass (kg/m) of the section.

Weight of Billet

Billet, 178mm diameter - Imm = 0.0666 Kg

Billet, 202mm diameter - Imm = 0.0875 Kg

MECHANICAL PROPERTY LIMITS - EXTRUDED PRODUCTS

Cross-sectional metal dimension[2] (mm)	Thickness (mm)[3]		Tensile Strength (MPa) (mm)		
	Over	Up to	Ultmate minimun	Yield minimun	Elongation[4,5] % min in 50mm or 5.65√-A
1350 - H112		All	60	-	23
6060 - T5		12.0	150	110	8
	12.0	25.0	145	105	6
6106 - T6		10.0	235	210	8
	10.0	25.0	205	170	8
	25.0	150.0	185	160	10
6005A - T5		All	260	240	8
6261 - T6		All	295	255	7
6082 - T6		20.0	295	255	7
	20.0	150.0	310	270	7

3. The thickness of the cross-section or wall thickness from which the tension specimen is taken determines the applicable mechanical properties.
4. For material of such dimensions that a standard test specimen cannot be taken, or for material thinner than 1.6mm the test for elongation is not required.
5. A = specimen cross-sectional area.
6. These yield strengths are not determined nor guaranteed unless specifically requested.

Source: Aluminium Standards, Data and Design: Wrought Products (ADCA First Edition 1994).

Cleaning Aluminium Surfaces

Aluminium has natural beauty and lustre of its own, yet its surface can be treated in various ways to protect and enhance its appearance, which can be maintained with regular, low-maintenance attention.

The surface of fabricated aluminium, whether untreated, anodised or coated, can be spoiled by improper care. Here, we briefly summarise the methods of maintaining good appearance of aluminium surfaces after installation. Usually this care is no more than periodic cleaning, as in e.g. : window glass. Anodising treatment will substantially enhance appearance, render the surface more resistant to various forms of attack and facilitate cleaning and maintenance.

The Architectural Aluminium Fabricators' Association of New Zealand has published a guide which deals with all aspects of design and use, care and maintenance. Here we only briefly highlight the cleaning aspect since it applies to so many users of architectural aluminium products.

Grime which causes deterioration cannot be prevented from settling on exposed surfaces. If cleaned reasonably frequently then the mildest methods of washing will produce satisfactory results. There are many ways to clean aluminium, from using plain water to harsh abrasives. The type of cleaning that should be used is governed by the finish, degree of soiling, and the size, shape and location of the surface to be cleaned. The mildest method possible should be used, particularly for aluminium which has been anodised.

With anodised aluminium, surface deterioration occurs as a result of grime deposition and contaminated moisture attack. In coastal environments it is caused by airborne chlorides, in industrial or urban environments by sulphur compounds. Grime deposits absorb contaminated moisture like a sponge, assisting attack on the film, which cannot be restored without removal. Cleaning frequency depends on accessibility and environmental severity. In rural areas, cleaning may be needed only every six months. In industrial and marine environments, cleaning is recommended at least every three months, preferably monthly.

The following cleaning materials and procedures are listed in order from mild to harsh. The mildest treatment should be tried on a small area and if not satisfactory only then should the next be examined:

1. Plain water
2. Water with mild soap or detergent
3. Solvents, eg: kerosene, turpentine, white spirit.
4. Non-etching chemical cleaner
5. Wax-based polish
6. Abrasive wax
7. Abrasives

After applying cleaning agents, the surface should be washed down thoroughly and dried with a clean cloth to prevent streaking. There should be no concentration of cleaning agents at the bottom edges of the aluminium. If using proprietary cleaning solutions, manufacturers' recommendations should be obtained and followed carefully.

If abrasives are used, the appearance of the aluminium finish may be altered. If there is a grain in the finish, cleaning action should always be with the grain. If the condition of the surface indicates the use of abrasive or etching materials, it is advisable to consult a cleaning specialist. If all other methods fail it may be necessary to resort to heavy-duty cleaning. This involves cleaning methods using strong etching chemicals or coarser abrasives.

Handling & Storage

MACHINABILITY

Aluminium can be easily fabricated into cast or forged shapes, foil, sheet, rod, tube and wire. Considered to be the best material for complex-sectioned hollow extrusion, it also displays excellent machinability and plasticity in bending, cutting and drawing.

STRENGTH

The tensile strength of pure aluminium is not high, but depending upon the alloy or temper, a strength of up to 60 kg/mm2 can be achieved. You can choose the alloy with the most suitable strength characteristics you need according to your application. Some alloys are stronger than ordinary steel or even equal to special (alloy and treated) steels in tensile strength. While steel becomes brittle at low temperatures, aluminium increases in tensile strength. Because of its low modulus of elasticity, aluminium absorbs impact and is used in potentially high-impact applications such as automobile bumpers.

EXPANSION

Aluminium extrusions have a comparatively high coefficient of expansion which is 0.000023mm per mm length of extrusion per °C. A length of aluminium extrusion 6m long will expand over 4mm when the temperature rises 30° C. When designing, especially building design, provision should be made for expansion and contraction caused by temperature changes. Thermal expansion is particularly important where aluminium extrusions are used with other materials having different expansion rates.

ELECTRICAL CONDUCTION

The electrical conductivity of aluminium is approximately 60% of copper yet about one-third the weight. Aluminium is a very economical material as an electrical conductor and is widely used in power-transmission cables, bases of electric bulbs and other electrical applications.

HEAT CONDUCTION

Aluminium is about three times as thermo-conductive as steel. It is used for cooking utensils, air-conditioners, industrial heat exchangers, automobile engine parts and solar energy collectors.

MAGNETIC SENSITIVITY

Aluminium is non-magnetic and is used where the use of magnetic metals would be detrimental to equipment performance, such as compasses, parabolic antennae, computer disks and other magnetically driven applications.

REFLECTIVITY

The surface of uncoated aluminium is highly reflective of light, radiant heat and electronic waves - the purer the metal, the more so. This feature is utilised in mirrors and reflectors for stoves, infrared dryers, lighting equipment, light-wave-guides and in building temperature control.

RECYCLABILITY

Owing to its low melting temperature, aluminium is economically recyclable, requiring only about 3.5% of the energy required for smelting. Use of recycled aluminium has benefits for all concerned with conservation of energy and natural resources.

Vulcan Christchurch

9 William Lewis Drive
Sockburn
Christchurch 8042

P (03) 366 7939

Vulcan Dunedin

1 Tarakihana Drive
Mosgie
Dunedin 9092

P (03) 453 0679

Vulcan East Tamaki

22 Trugood Drive
East Tāmaki
Auckland 2013

P (09) 262 6262

Vulcan Hamilton

43 Maui St
Pukete
Hamilton 3200

P (07) 849 2909

Vulcan Henderson

3a Clemway Place
Henderson
Auckland 0610

P (09) 836 6061

Vulcan Invercargill

51 Bill Richardson Drive
Avenal
Invercargill 9810

P (03) 218 4124

Vulcan Napier

31 Edmundson Street
Onekawa
Napier 4110

P (06) 843 3114

Vulcan Nelson

5 Merton Place
Annesbrook
Nelson 7011

P (03) 547 4103

Vulcan New Plymouth

75-77 Hurlstone Drive
Waiwhakaiho
New Plymouth 4132

P (06) 759 9120

Vulca Mt. Maunganui

7 Macdonald St
Mt. Maunganui
Tauranga 3116

P (07) 575 3499

Vulcan Onehunga

151 Neilson Street
Onehunga
Auckland 1061

P (09) 276 3789

Vulcan Palmerston North

8 Railway Road
Roslyn
Palmerston North 4414

P (06) 356 2007

Vulcan Silverdale

24 Anvil Road
Silverdale
Auckland 0932

P (09) 427 0017

Vulcan Timaru

60-64 Racecourse Rd
Washdyke
Timaru 7910

P (03) 688 7649

Vulcan Wellington

1 Cornish Street
Korokoro
Lower Hutt 5012

P (04) 568 8188

Vulcan Whangarei

2 Gumdigger Place
Raumanga
Whangarei 0110

P (09) 438 7380