ULLRICH ALUMINIUM



EXTRUSION CATALOGUE

60TH ANNIVERSARY EDITION 18

ULLRICH ALUMINIUM

QUALITY • SERVICE • INTEGRITY

The Ullrich Aluminium Extrusion Process

Extrusion Production is by far the most complex and dedicated phase in the process of providing our extruded profiles. It requires the specific technology, technical skills and experience gained from our decades long history as a family owned company to achieve this.

The extensive process moves from the creation of specific *Steel Dies* (matrices), whose design is entrusted to expert technicians, assisted by the most modern means of *CAD* two-dimensional and three-dimensional shape designs. During the extrusion process the suitably preheated *Aluminium Billets* are pushed under pressure by the ram of our press through the designed *Die*, this then transforms the extrusion into long profiled lengths by one of our three presses which vary in power, from 2000 to 2500 tons.

Ullrich Aluminium has the production capacity to supply small, medium and large profiles up to 15.4 metres in length, and 10kg per metre in weight. The extrusion is produced in compliance to the working tolerances of the AS/NZS 1866 Standard. That ensures the assembly of finished components and facilitates the obtainment of quality certification of the final product.

After their extrusion, the profiled sections are subjected to *Straightening* (stretching), a process that brings profiles within the required lineal tolerances. Then once cut to the required length they are transferred into special ageing ovens for the tempering process, which achieves their optimal tensile strengths. The packing stations are the final phase in the production line, where the profiles are packed and protected in preparation for the subsequent stages of storage, transport or delivery to destination.

Ullrich Aluminium constantly strives to offer its customers valuable assistance, aimed at optimising an outcome in which to achieve the best possible design, processing and execution times for the profiles. We also strive to provide a positive response to different needs of a technical or aesthetic nature.

Our in-house developed production control system makes it possible to track the requests submitted by the customer and to monitor the progress of the project during the production process. This tracking can be beneficial for our numerous Australian, New Zealand and Export clients.

When you need *Extruded Aluminium Products* think of ***Ullrich Aluminium*** as your first stop for assistance on your journey forward. Our 42 facilities in all major cities and regions of Australia and New Zealand will be pleased to provide you with a quality of service experience.

Kind Regards

Gilbert Ullrich
CEO



Manufacturers of Quality Aluminium Extrusions

NATIONAL DISTRIBUTION CENTRE, HAMILTON, NEW ZEALAND

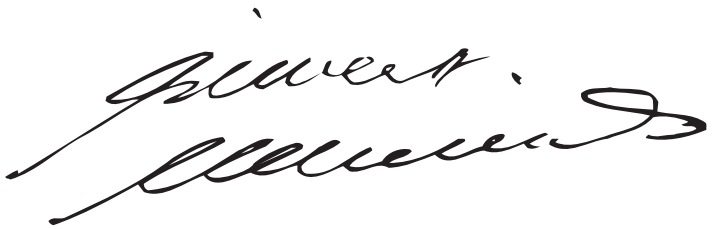
ULLRICH ALUMINIUM EXTRUSION CATALOGUE

EDITION 18

A COMPREHENSIVE CATALOGUE
OF ALUMINIUM EXTRUSIONS

FROM THE ULLEXCO DIVISION OF
ULLRICH ALUMINIUM COMPANY LTD,
A 100% NEW ZEALAND OWNED AND
OPERATED COMPANY

"Ullexco will meet all customer requirements to ISO 9001:2015 and is committed to achieving continual improvement across all aspects of our quality management system."



Gilbert W Ullrich
CEO
2021

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www.ullrich.co.nz

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Square & Rectangular Hollow	Machining Flat Bar
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Drawn Round Tube	Top Hat
Solid Round, Square, Hexagon	Zed, I Beam, Half Round, Cope Mould

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USEFUL INFORMATION APPENDIX

The Ullrich Aluminium Extrusion Catalogue has been prepared as a comprehensive resource book for Architects, Designers, Specifiers, Builders, Engineers and Fabricators.

Catalogue features

Edition 18 features include:

- The Ullrich service network
- Numeric die number index
- Catalogued by section to industry type
- Die and description index for each section
- Accurate, actual size profile diagrams
- Related profile data in easy-reference lists
- Assembly hints and diagrams
- Graph pages for planning and notes
- Internet-accessible profile drawings
- Extrusion terminology
- Aluminium properties and tolerances data
- Historical information
- Handling and storage guidance
- Surface treatment and cleaning information
- Imperial-metric conversion tables

Disclaimer

Every effort has been made to ensure accuracy and the most up-to-date information in the compilation of this catalogue. However, Ullrich Aluminium Company Ltd does not accept responsibility for any inaccuracy or errors contained herein. Information and values presented are intended only as a guide to performance and application suitability. Nothing herein contained constitutes a warranty that any product is specifically suitable for a particular purpose. Ullrich Aluminium reserves the right to change product design and specifications without notice.

Ordering

Availability of certain product lines, stock lengths, tempers and alloys may vary at different Ullrich Aluminium Sales Centres. Please enquire about the availability of your particular requirements before placing your order.

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We would like to extend our thanks to the Ullrich staff and all those involved in the compilation of this publication. Special acknowledgement to Jack Cousins for making this catalogue so informative and easy to use. We welcome your comments that may assist us in making it the most useful document for meeting your needs in the workplace.

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UA 7803	1-13
UA 7827	8-3
UA 7828	8-4
UA 7829	8-2
UA 7837	14-3
UA 7840	15-4
UA 7868	14-1
UA 7891	5-4
UA 7892	5-4
UA 7893	1-11
UA 7893	5-4
UA 7894	1-7
UA 7919	14-5
UA 7922	14-2
UA 7923	14-2
UA 7924	14-2
UA 7925	14-2
UA 7935	1-11
UA 7937	14-3
UA 7948	9-1
UA 7949	9-1
UA 7950	9-1
UA 7951	9-1
UA 7988	9-1
UA 7989	9-1
UA 7990	9-1
UA 7991	9-1

DIAGRAMS ACTUAL SIZE UNLESS OTHERWISE INDICATED. DIAGRAMS ARE SCHEMATIC ONLY AND NOT INTENDED AS SPECIFICATION DRAWINGS.
OAD = OVERALL DIMENSIONS
P = EXT PERIPHERY

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MR = MILL RUN ONLY • NON-STOCKED ITEM • MINIMUM ORDER 200KG

NOTE: Not all products are available ex-stock, check with your local branch for advice on availability.

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ULLRICH DIE INDEX

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UA 9027	1-14
UA 9028	1-19
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UA 9034	1-22
UA 9081	15-2
UA 9082	15-2
UA 9083	15-2
UA 9084	15-4
UA 9085	15-4
UA 9086	15-4
UA 9087	13-1
UA 9088	13-1
UA 9089	13-1
UA 9090	13-1
UA 9091	13-1
UA 9098	18-1
UA 9102	18-1
UA 9108	1-13
UA 9129	1-5
UA 9147	19-3
UA 9156	1-4
UA 10062	10-4
UA 10063	10-4
UA 10064	10-4
UA 10414	19-1
UA 10415	19-1
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UA 10424	19-1
UA 10440	1-3
UA 10444	21-2
UA 10581	1-2
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EQUAL ANGLE
UNEQUAL ANGLE
CHANNEL
SQUARE HOLLOW
RECTANGULAR HOLLOW
EXTRUDED ROUND TUBE
DRAWN ROUND TUBE
SOLID ROUND
SOLID SQUARE
SOLID HEXAGON
SOLID FREE MACHINING ROD
FLAT BAR
MACHINING FLAT BAR
TEE
TOP HAT
ZED
I BEAM
HALF ROUND
COPE MOULD

NOTE: RED INDICATES

= MILL RUN ONLY = NON-STOCKED ITEM

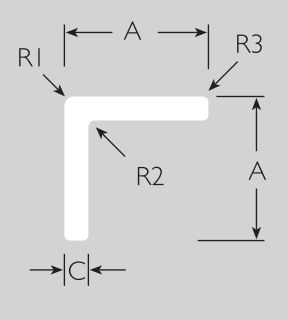
MINIMUM ORDER QUANTITY 200KG

CONTACT YOUR LOCAL BRANCH TO ENQUIRE

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EQUAL ANGLE



R = Radiused corner

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MINIMUM ORDER QUANTITY 200KG

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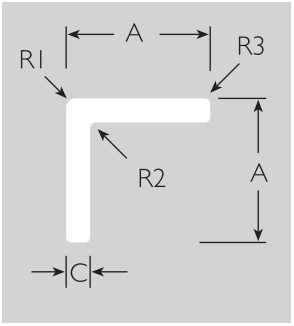
DIE No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 2071	10.00		1.60					0.080	40
UA 1090	12.00		1.60					0.097	48
UA 1097	12.00		3.00					0.170	48
UA 1091	15.00		1.60					0.123	60
UA 1092	20.00		1.60					0.166	80
UA 1101	20.00		3.00					0.299	80
UA 5505	22.00		1.60					0.183	88
UA 1094	25.00		1.60					0.210	100
UA 1103	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	1.50	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 6877	38.00		1.45					0.291	152
UA 1613	38.10		4.75					0.919	152
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	1.50	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 5279	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 3089	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

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DIE No.	A	B	C	D	R1	R2	R3	kg/m	P
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



R = Radiused corner

NOTE: RED INDICATES

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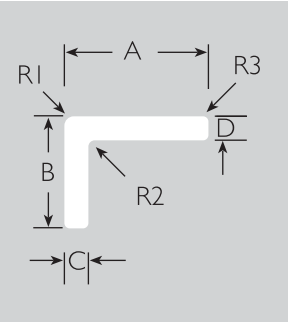
MINIMUM ORDER QUANTITY 200KG

CONTACT YOUR LOCAL BRANCH TO ENQUIRE

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UNEQUAL ANGLE



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MINIMUM ORDER QUANTITY 200KG

CONTACT YOUR LOCAL BRANCH TO ENQUIRE

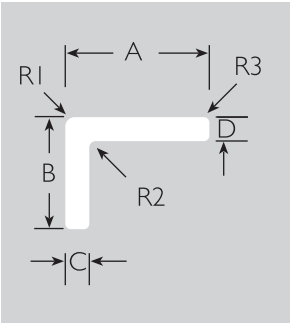
DIE No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 1533	19.05	9.53	1.59					0.116	57
UA 1731	20.00	12.00	1.60					0.131	64
UA 1102	22.00	12.00	3.00					0.252	68
UA 5504	22.00	18.00	1.60					0.166	80
UA 1534	22.23	9.53	1.59					0.130	64
UA 1093	25.00	12.00	1.60					0.153	74
UA 1535	25.00	12.00	3.00					0.276	74
UA 1857	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 3339	30.00	12.00	4.50		0.50		0.50	0.455	83
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 5910	32.00	25.00	3.00					0.437	114
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					0.340	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 5938	70.00	40.00	1.60					0.468	220
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
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

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DIE No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 1614	90.00	60.00	6.00					2.341	300
UA 1615	90.00	65.00	6.00					2.422	310
UA 4688	100.00	25.00	2.00					0.664	250
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	2.661	338
UA 3861	100.00	75.00	8.00		0.50		0.50	3.606	347
UA 1528	100.00	75.00	12.00					5.281	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



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NOTE: RED INDICATES

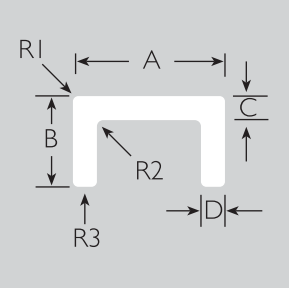
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MINIMUM ORDER QUANTITY 200KG

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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 1383	12.50	9.00	1.30	1.30				0.093	58
UA 1384	12.50	13.00	1.30	1.20				0.120	74
UA 9129	13.50	13.50	1.50	1.50	0.50	0.50	0.50	0.152	77
UA 1609	14.50	14.50	1.35	1.35				0.149	85
UA 2803	15.10	18.10	1.80	1.80	0.90		F	0.230	97
UA 1616	16.00	8.00	1.60	1.60				0.124	61
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 7400	20.00	18.20	1.50	1.50				0.216	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 1561	22.23	12.70	1.588	1.588				0.190	92
UA 1806	24.00	13.00	1.20	1.20	1.70	0.50		0.152	96
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 3227	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

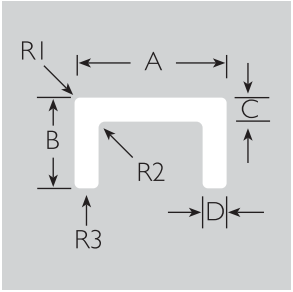
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DIE No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 1144	45.00	25.00	3.00	3.00				0.723	184
UA 1043	47.00	17.00	1.50	1.40			F	0.307	158
UA 1145	50.00	25.00	3.00	3.00				0.764	194
UA 3061	50.00	25.00	6.00	6.00				1.425	188
UA 6494	50.00	50.00	3.00	3.00	0.50	0.50	0.50	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 5303	76.20	38.10	6.35	7.92		7.62		2.731	285
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 2464	100.00	50.00	6.00	8.00	8.00	6.00		3.488	376
UA 5723	101.60	50.80	6.35	7.90	0.50	0.50	0.50	3.638	392
UA 7433	111.00	27.00	2.00	2.00				0.869	325
UA 2804	120.00	65.00	12.00	12.00	0.50	0.50	0.50	7.349	475
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



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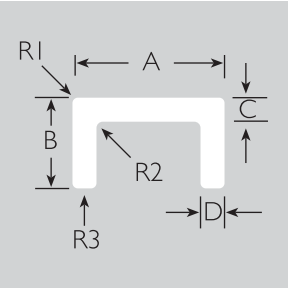
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CHANNEL



R = Radiused corner

DIE No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 5187	140.00	55.00	6.00	8.00	0.50	5.00	0.50	4.413	483
UA 7894	142.00	75.00	6.00	6.00	0.50	0.50	0.50	4.535	571
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	3.00	0.50	5.226	545

NOTE: RED INDICATES

= MILL RUN ONLY = NON-STOCKED ITEM

MINIMUM ORDER QUANTITY 200KG

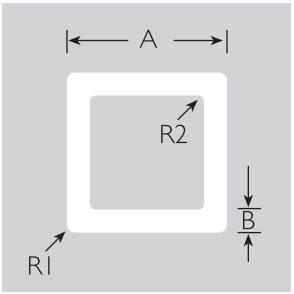
CONTACT YOUR LOCAL BRANCH TO ENQUIRE

DIAGRAMS ACTUAL SIZE UNLESS OTHERWISE INDICATED.
DIAGRAMS ARE SCHEMATIC ONLY AND NOT INTENDED AS SPECIFICATION DRAWINGS.
OAD = OVERALL DIMENSIONS
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Edition 18 - 2021

DIE No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 1206	12.00	1.60						0.180	48
UA 2095	12.60	1.50						0.181	50
UA 1662	16.00	1.50						0.235	64
UA 1371	19.00	1.50						0.283	76
UA 1869	19.00	1.50			2.00	0.50		0.275	73
UA 5286	19.00	1.80			1.50			0.329	74
UA 1810	19.09	1.20						0.233	76
UA 1207	20.00	1.60			1.00			0.317	78
UA 5861	20.00	3.00			3.00	3.00		0.551	75
UA 1050	25.00	1.40						0.358	100
UA 1650	25.00	1.40			1.60	1.00		0.355	98
UA 4091	25.00	1.40			3.00	1.60		0.342	95
UA 1765	25.00	1.60			1.00			0.402	99
UA 1210	25.00	1.80						0.452	100
UA 1912	25.00	1.80			2.40			0.438	96
UA 5906	25.00	2.00						0.496	100
UA 2170	25.00	3.00						0.713	100
UA 4661	25.00	3.00			3.00	3.00		0.713	95
UA 1546	25.00	4.50						0.996	100
UA 2467	25.00	5.00			2.50			1.066	96
UA 1998	25.40	0.90			0.50			0.238	101
UA 1642	25.40	1.20						0.313	102
UA 1205	30.00	1.60						0.493	120
UA 2094	31.55	2.40						0.765	126
UA 5815	32.00	1.80			3.80	2.00		0.563	122
UA 2006	32.00	2.00						0.648	128
UA 5904	32.00	3.00			3.00			0.919	123
UA 2971	32.00	3.60						1.108	128
UA 4078	35.00	2.00						0.713	140
UA 2487	35.00	4.50			0.50	0.50		1.482	140
UA 7170	38.00	1.60			2.00			0.620	149
UA 1764	40.00	1.80			1.00			0.743	159
UA 1211	40.00	2.00						0.821	155
UA 1212	40.00	2.00			2.40			0.807	156
UA 6578	40.00	3.00			0.50	0.50		1.199	160
UA 4062	40.00	3.00			3.00			1.178	155
UA 4662	40.00	3.00			3.00	2.00		1.187	155
UA 2808	40.00	4.00						1.561	160
UA 6249	40.00	4.00			3.00			1.534	155
UA 2466	40.00	5.00			2.50			1.876	156
UA 1049	45.00	2.00						0.929	180
UA 1208	50.00	1.60			1.00			0.834	199
UA 2949	50.00	2.00						1.037	200
UA 3298	50.00	2.00			4.00	2.00		1.009	194



R = Radiused corner

NOTE: RED INDICATES

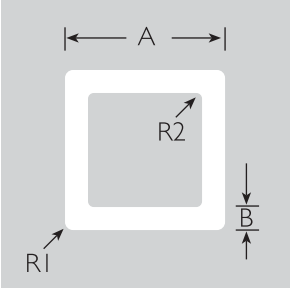
= MILL RUN ONLY = NON-STOCKED ITEM

MINIMUM ORDER QUANTITY 200KG

CONTACT YOUR LOCAL BRANCH TO ENQUIRE

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P = EXT. PERIPHERY

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MINIMUM ORDER QUANTITY 200KG

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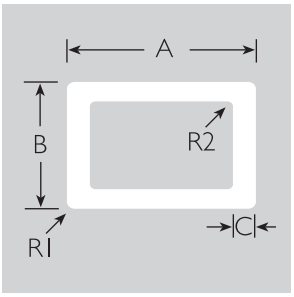
DIE No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 5461	50.00	2.00			6.00	4.00		0.990	190
UA 1214	50.00	3.00						1.523	200
UA 4663	50.00	3.00			3.00	3.00		1.523	195
UA 3178	50.00	3.00			4.00	1.00		1.488	194
UA 2809	50.00	4.00						1.994	200
UA 3068	50.00	5.00			4.00	4.00		2.439	194
UA 5299	50.80	3.20			3.00	3.00		1.645	199
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 7416	75.00	3.50			4.50	3.50		2.684	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

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Edition 18 - 2021

DIE No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 7454	30.00	10.00	1.60					0.318	80
UA 2696	30.00	20.00	1.40	V GROOVED	2.00	1.00		0.349	98
UA 4981	38.00	25.00	1.60		1.00			0.514	125
UA 6148	38.00	25.00	1.80		2.50	0.70		0.564	122
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 6451	44.00	22.00	3.00		5.00	2.00		0.923	124
UA 5361	45.00	30.00	2.00		3.00	1.00		0.748	145
UA 4806	46.50	25.40	1.60		1.00	0.80		0.593	143
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 5909	50.00	25.00	2.50		3.00	0.50		0.925	145
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 3786	65.00	30.00	2.50					1.215	190
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
UA 5216	75.00	50.00	2.50		4.00	1.50		1.588	244
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



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MINIMUM ORDER QUANTITY 200KG

CONTACT YOUR LOCAL BRANCH TO ENQUIRE

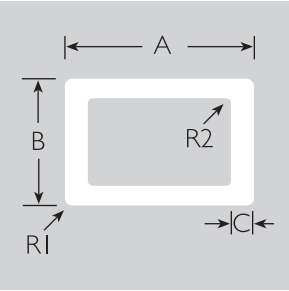
DIAGRAMS ACTUAL SIZE UNLESS OTHERWISE INDICATED, DIAGRAMS ARE SCHEMATIC ONLY AND NOT INTENDED AS SPECIFICATION DRAWINGS,
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MR = MILL RUN ONLY • NON-STOCKED ITEM • MINIMUM ORDER 200KG

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RECTANGULAR HOLLOW



R = Radiused corner

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MINIMUM ORDER QUANTITY 200KG

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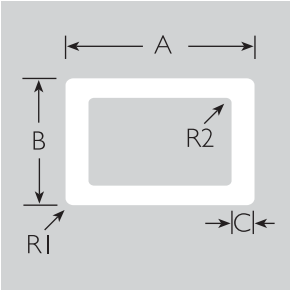
DIE No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 3045	75.00	50.00	6.00		0.50			3.661	250
UA 7169	76.00	38.00	3.00		0.50	0.50		1.750	228
UA 7168	76.00	38.00	6.00		2.00			3.296	225
UA 7893	80.00	30.00	4.00		0.50	0.50		2.203	220
UA 5242	80.00	40.00	3.00		2.50	2.50		1.847	236
UA 3585	80.00	40.00	4.00					2.419	240
UA 2975	80.00	40.00	6.00					3.512	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 2357	100.00	45.00	4.00					2.959	290
UA 6465	100.00	50.00	1.60					1.268	300
UA 3546	100.00	50.00	2.00					1.577	300
UA 7935	100.00	50.00	2.00		4.00	2.00		1.549	294
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 5029	100.00	50.00	8.00		6.00	2.00		5.715	290
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

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DIE No.	A	B	C	D	R1	R2	R3	kg/m	P
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 4977	152.00	76.00	6.40		6.00	3.60		7.384	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
UA 7524	250.00	50.00	3.00					4.762	600



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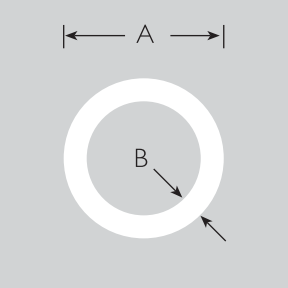
MINIMUM ORDER QUANTITY 200KG

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EXTRUDED ROUND TUBE



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MINIMUM ORDER QUANTITY 200KG

CONTACT YOUR LOCAL BRANCH TO ENQUIRE

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 1966	9.53	0.90						0.066	30
UA 1737	9.53	1.20						0.085	30
UA 1229	9.53	1.45						0.099	30
UA 1927	9.53	1.60						0.108	30
UA 9108	9.90	1.60						0.113	32
UA 2028	12.70	0.90						0.090	40
UA 3464	12.70	1.20						0.115	40
UA 1230	12.70	1.45						0.138	40
UA 4153	12.70	2.20						0.196	40
UA 5105	15.50	1.42						0.170	49
UA 2815	15.85	1.50						0.183	50
UA 3141	15.88	1.22						0.152	50
UA 1231	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 3538	21.00	3.50						0.520	66
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	1.50						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 3942	25.40	2.00						0.397	80
UA 5840	25.40	3.00						0.570	80
UA 4870	26.50	1.40						0.298	84
UA 1235	28.58	1.45						0.335	90
UA 2220	29.00	1.70						0.395	92
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

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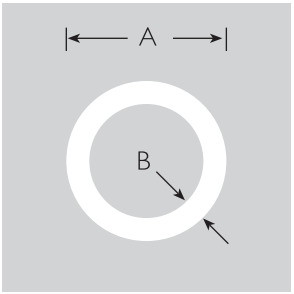
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MR = MILL RUN ONLY · NON-STOCKED ITEM · MINIMUM ORDER 200KG

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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 5642	32.00	1.20						0.313	101
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 3892	34.00	4.50						1.126	107
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 3519	38.00	6.00						1.629	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	SCAFFOLD TUBE for TUBE & CLIP SYSTEM					1.676	153
UA 3019	48.60	2.30	RIBBED					0.905	155
UA 4138	48.60	3.35	V GROOVED					1.285	154
UA 4122	48.60	3.45						1.321	153
UA 2950	50.00	1.60						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 1768	50.80	1.63						0.680	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 4478	61.50	13.75						5.569	300
UA 5172	63.50	2.00						1.043	200
UA 5199	63.50	3.00						1.540	200



NOTE: RED INDICATES

= MILL RUN ONLY = NON-STOCKED ITEM

MINIMUM ORDER QUANTITY 200KG

CONTACT YOUR LOCAL BRANCH TO ENQUIRE

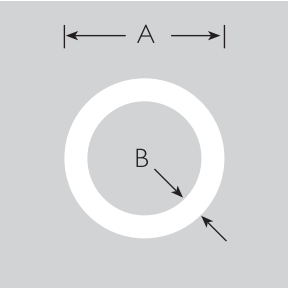
DIAGRAMS ACTUAL SIZE UNLESS OTHERWISE INDICATED. DIAGRAMS ARE SCHEMATIC ONLY AND NOT INTENDED AS SPECIFICATION DRAWINGS.
OAD = OVERALL DIMENSIONS
P = EXT PERIPHERY

© ULLRICH ALUMINIUM CO LTD

MR = MILL RUN ONLY • NON-STOCKED ITEM • MINIMUM ORDER 200KG

NOTE: Not all products are available ex-stock, check with your local branch for advice on availability.

EXTRUDED ROUND TUBE



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MINIMUM ORDER QUANTITY 200KG

CONTACT YOUR LOCAL BRANCH TO ENQUIRE

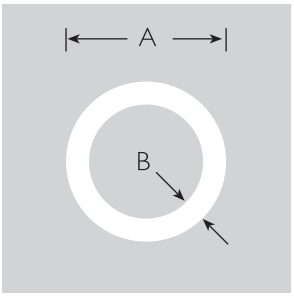
DIE No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 2666	63.50	4.50						2.260	200
UA 1538	63.50	6.35						3.078	200
UA 5180	63.50	10.00						4.538	200
UA 1244	65.00	1.60						0.864	205
UA 1252	65.00	3.00						1.584	205
UA 4708	65.00	3.50						1.826	205
UA 1073	65.00	5.00						2.554	205
UA 1228	75.00	1.20						0.754	236
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 6292	80.00	16.00						8.686	252
UA 1680	86.00	3.00						2.112	271
UA 5818	86.20	4.50						3.119	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 5064	100.00	12.00						8.957	315
UA 2245	100.00	24.50						15.362	315
UA 3723	101.60	1.20						1.022	320
UA 6709	101.60	2.00						1.690	320
UA 4780	114.30	6.35						5.814	360
UA 4722	114.30	10.00						8.847	360
UA 1659	125.00	3.00						3.116	393
UA 3724	127.00	1.60						1.702	399
UA 5444	127.00	8.00						8.075	399
UA 5945	127.00	19.05						17.443	399
UA 3722	150.00	3.20						3.985	472
UA 6084	152.40	5.00						6.251	479
UA 7223	152.40	15.87						18.384	479
UA 7102	177.80	6.35						9.235	559
UA 7103	177.80	25.40						32.835	559
UA 7104	203.20	3.18						5.395	639
UA 3822	203.20	6.35						10.603	639
UA 7787	250.00	6.00						12.418	786

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DIE No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 7320	9.53	1.42						0.098	30
UA 7330	12.70	1.42						0.136	40
UA 7340	15.88	1.42						0.174	50
UA 7350	19.05	1.42						0.212	60
UA 7360	22.23	1.42						0.251	70
UA 7370	25.40	1.42						0.289	80
UA 7380	28.58	1.42						0.327	90
UA 7390	31.75	1.42						0.365	100
UA 7410	34.93	1.42						0.404	110
UA 7420	38.10	1.42						0.442	120
UA 7430	41.28	1.42						0.480	130
UA 7435	44.45	1.42						0.518	140
UA 7440	47.63	1.42						0.557	150
UA 7450	50.80	1.42						0.595	160



NOTE: RED INDICATES

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MINIMUM ORDER QUANTITY 200KG

CONTACT YOUR LOCAL BRANCH TO ENQUIRE

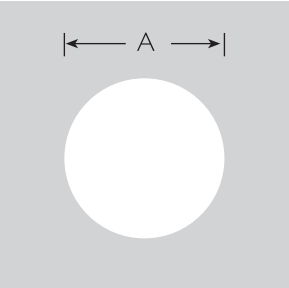
CUSTOMER INFORMATION:

Drawn Tube differs slightly from extruded tube in that it undergoes an additional process of 'cold drawing' the extrusion length. This gives a more refined and accurate internal tube dimension.

This product is the preferred solution for those requiring a 'telescopic' function to their material, with an incremental measurement that fits within the next size option.

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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 3321	14.50							0.446	46
UA 1260	15.88							0.536	50
UA 3939	18.00							0.687	57
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 1257	100.00							21.284	315
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

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MINIMUM ORDER QUANTITY 200KG

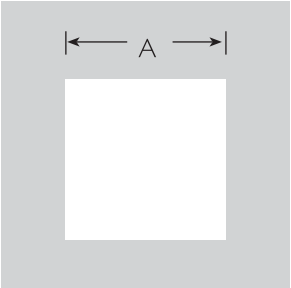
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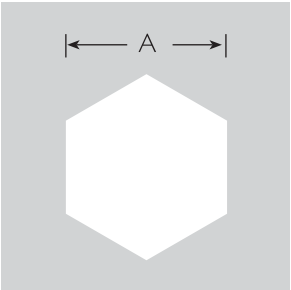
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Edition 18 - 2021

DIE No.	A	B	C	D	R1	R2	R3	kg/m	P
SOLID SQUARE									
UA 1279	6.35							0.109	25
UA 1272	9.50							0.244	38
UA 1273	12.70							0.437	51
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

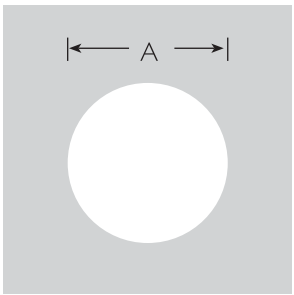


SOLID HEXAGON			
UA 1607	11.11	0.290	39



SOLID FREE MACHINING ROD

DIAM.	A	FREE MACHINING SOLID ROD 2011-T3 to T6	kg/m
	8.70		0.169
	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
	203.20		91.775
	228.60		116.153



Free Machining Rod
In lengths up to 3000mm

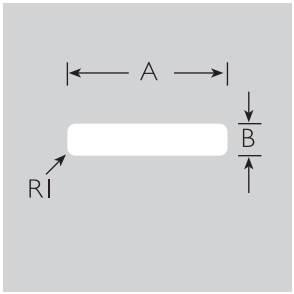
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FLAT BAR



R = Radiused corner

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MINIMUM ORDER QUANTITY 200KG

CONTACT YOUR LOCAL BRANCH TO ENQUIRE

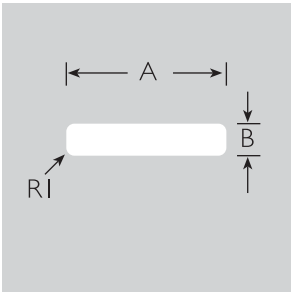
DIE No.	A	B	C	D	RI	R2	R3	kg/m	P
UA 1165	10.00	2.30						0.062	25
UA 7106	11.70	2.20						0.069	28
UA 2029	12.00	1.60						0.052	27
UA 1170	12.00	3.00						0.097	30
UA 1921	12.00	3.00			F			0.092	28
UA 1179	12.00	4.50						0.146	33
UA 1551	12.00	6.00						0.195	36
UA 1171	16.00	3.00						0.130	38
UA 1004	19.00	4.50			F			0.220	44
UA 1508	19.05	2.64			1.32			0.132	42
UA 1151	20.00	1.60						0.087	43
UA 1172	20.00	3.00						0.162	46
UA 2626	20.00	4.00						0.217	48
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 5790	25.00	10.00			F			0.617	62
UA 1159	25.00	12.00						0.813	74
UA 2085	25.00	15.00			F			0.882	68
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

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DIE No.	A	B	C	D	R1	R2	R3	kg/m	P
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 3640	50.00	6.00			F			0.789	107
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
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 4428	60.00	37.50			1.00			6.073	194
UA 1193	65.00	6.00						1.053	142
UA 3306	65.00	10.00						1.755	150
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 6354	75.00	40.00			1.50			8.095	228
UA 5195	75.00	50.00			0.50			10.124	250
UA 1550	76.20	7.94						1.639	168
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 6167	80.00	12.00			0.50			2.591	184
UA 7107	80.00	15.00			0.50			3.239	190
UA 6750	80.00	16.00			2.00			3.447	189
UA 6748	80.00	20.00			2.00			4.311	197
UA 6749	80.00	25.00			2.00			5.391	207



R = Radiused corner

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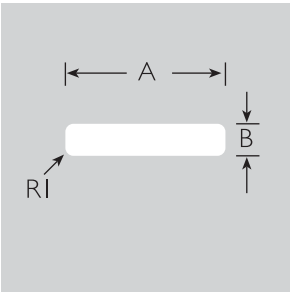
MINIMUM ORDER QUANTITY 200KG

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FLAT BAR



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MINIMUM ORDER QUANTITY 200KG

CONTACT YOUR LOCAL BRANCH TO ENQUIRE

DIE No.	A	B	C	D	RI	R2	R3	kg/m	P
UA 2009	100.00	2.50						0.675	205
UA 1169	100.00	3.00						0.810	206
UA 3369	100.00	4.00						1.079	208
UA 1186	100.00	6.00						1.620	212
UA 6821	100.00	8.00			0.50			2.159	216
UA 1555	100.00	10.00						2.710	220
UA 1157	100.00	12.00						3.252	224
UA 6168	100.00	15.00			0.50			4.049	230
UA 1166	100.00	25.00						6.775	250
UA 1185	100.00	50.00						13.550	300
UA 5462	115.00	6.00						1.863	242
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 2249	127.00	38.10						13.064	330
UA 5282	130.00	12.00			0.50			4.211	284
UA 3479	150.00	3.00						1.215	306
UA 6668	150.00	5.00			0.50			2.024	310
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

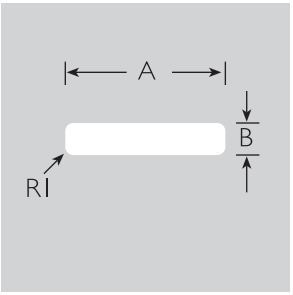
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MACHINING FLAT BAR 6061-T6511

DIE No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 6934	50.80	19.05			0.40			2.613	139
UA 6935	50.80	25.40			0.40			3.483	152
UA 6936	63.50	31.75			0.40			5.443	190
UA 6937	76.20	38.10			0.40			7.838	228
UA 6939	76.20	50.80			0.40			10.451	254
UA 6943	76.20	63.50			0.40			13.064	279
UA 6938	101.60	38.10			0.40			10.451	279
UA 6941	101.60	50.80			0.40			13.935	305
UA 6944	101.60	76.20			0.40			20.903	355
UA 6945	114.30	76.20			0.40			23.516	381
UA 6946	127.00	76.20			0.40			26.129	406
UA 6948	127.00	101.60			0.40			34.838	457
UA 9032	152.40	31.75			0.50			13.064	368
UA 9033	152.40	38.10			0.50			15.677	381
UA 6942	152.40	50.80			0.40			20.903	406
UA 9034	152.40	63.50			0.50			26.128	431
UA 6947	152.40	76.20			0.40			31.354	457
UA 6949	152.40	101.60			0.40			41.806	508



R = Radiused corner
Machining Flat Bar
In lengths up to 3658mm

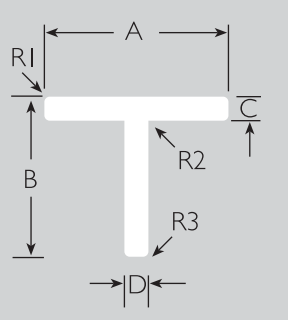
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TEE



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MINIMUM ORDER QUANTITY 200KG

CONTACT YOUR LOCAL BRANCH TO ENQUIRE

DIE No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 1216	20.00	20.00	1.60	1.60				0.167	80
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 5278	35.00	50.00	3.00	3.00		5.00		0.692	165
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 3071	40.00	40.00	6.00	6.00				1.198	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 4485	45.00	100.00	8.00	4.00		4.00		1.983	286
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 6260	50.00	50.00	4.00	4.00		4.00	0.50	1.054	196
UA 1220	50.00	50.00	6.00	6.00				1.528	200
UA 7069	50.00	60.00	5.10	5.00		3.00		1.432	215
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 6723	50.00	75.00	8.00	8.00	1.00	5.00	1.00	2.553	244
UA 4517	50.00	100.00	6.00	6.00				2.332	299
UA 6173	50.00	130.00	6.00	6.00	1.00	4.00	1.00	2.834	354
UA 3005	50.00	150.00	8.00	8.00	2.00	6.00	2.00	4.175	390
UA 4998	60.00	60.00	6.00	6.00				1.846	239
UA 2787	60.00	60.00	6.00	6.00		5.00		1.882	235
UA 6722	60.00	60.00	8.00	8.00	1.00	5.00	1.00	2.445	234
UA 6965	60.00	100.00	6.00	6.00	0.50	3.00	0.50	2.504	317
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
UA 5844	80.00	139.00	8.00	5.00		6.00		3.537	432
UA 4234	100.00	100.00	4.76	4.76				2.509	399

Please Note:

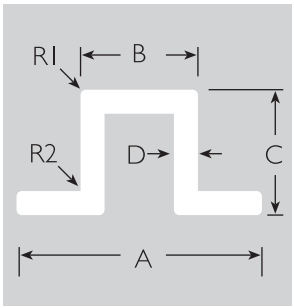
REFER TO SECTION 23-1 FOR ADDITIONAL SPECIALISED TEES

DIAGRAMS ACTUAL SIZE UNLESS OTHERWISE INDICATED.
DIAGRAMS ARE SCHEMATIC ONLY AND NOT INTENDED AS SPECIFICATION DRAWINGS.
OAD = OVERALL DIMENSIONS
P = EXT PERIPHERY

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Edition 18 - 2021

DIE No.	A	B	C	D	R1	R2	R3	kg/m	P
TOP HAT									
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



R = Radiused corner

NOTE: RED INDICATES

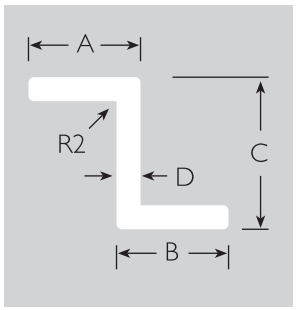
= MILL RUN ONLY = NON-STOCKED ITEM

MINIMUM ORDER QUANTITY 200KG

CONTACT YOUR LOCAL BRANCH TO ENQUIRE

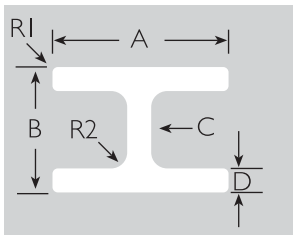
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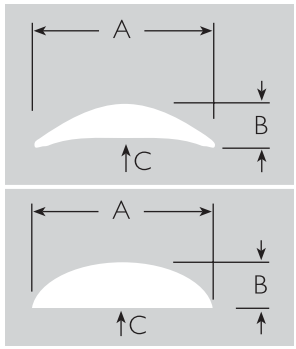
ZED

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 6725	19.00	19.00	25.40	2.00		3.00	0.327	118
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



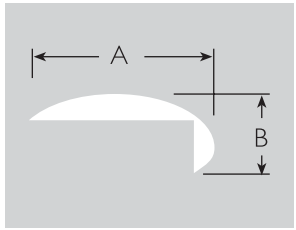
I BEAM

UA 1196	40.00	40.00	3.00	3.00			0.927	234
UA 1195	45.00	50.00	2.50	2.50			0.915	275
UA 1493	69.90	102.00	3.43	5.54	+2.96 LIP	3.00	3.083	490
UA 4389	100.00	150.00	7.10	9.50		11.10	7.926	665



HALF ROUND

DIE No.	A	B	C	D	R1	R2	R3	kg/m	P
UA 1443	12.50	4.50	CONCAVE					0.104	29
UA 1444	16.00	4.50	CONCAVE					0.119	36
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

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

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Edition 18 - 2021

MR = MILL RUN ONLY • NON-STOCKED ITEM • MINIMUM ORDER 200KG

NOTE: Not all products are available ex-stock, check with your local branch for advice on availability.

DIE No	DESCRIPTION
UA 1474	JOINTER
UA 1502	CHANNEL
UA 1503	CHANNEL
UA 1504	CHANNEL
UA 1505	CHANNEL
UA 1506	CHANNEL
UA 1512	COVING
UA 1517	INTERNAL ANGLE
UA 1518	EXTERNAL ANGLE
UA 1523	CHANNEL
UA 1915	SCOTIA
UA 1948	INTERNAL ANGLE
UA 1993	SLIDING DOOR CHANNEL
UA 1994	SLIDING DOOR CHANNEL
UA 2491	COVING
UA 2526	CHANNEL
UA 2527	EXTERNAL ANGLE
UA 2563	COVING
UA 2622	CHANNEL
UA 2675	EXTERNAL ANGLE
UA 2728	CHANNEL
UA 2799	CHANNEL
UA 2800	CHANNEL
UA 2801	CHANNEL
UA 2895	CHANNEL
UA 3204	100mm DOOR REBATED
UA 3205	DOOR CHANNEL
UA 3229	50mm DOOR REBATED
UA 3230	75mm DOOR REBATED
UA 3714	DOOR CHANNEL
UA 3812	CHANNEL
UA 3830	EXTERNAL ANGLE
UA 4255	CHANNEL
UA 6877	ANGLE
UA 6878	CHANNEL
UA 6879	DOOR FRAME
UA 6880	DOOR FRAME
UA 7172	COVING

NOTE: RED INDICATES

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MINIMUM ORDER QUANTITY 200KG

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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

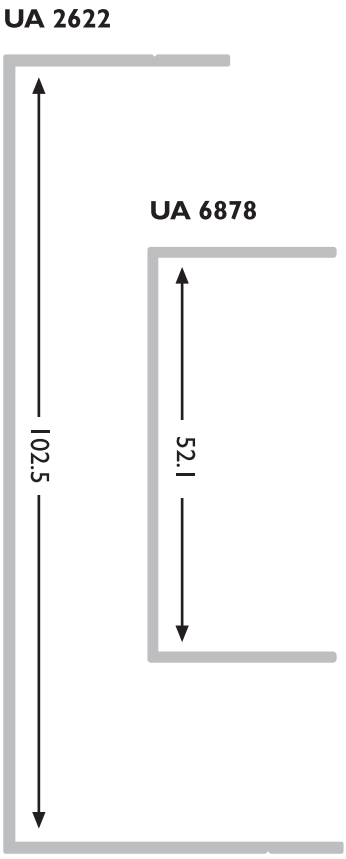
UA 2801
CHANNEL
kg/m 0.712 P 354
OAD 104 x 45 x 1.5

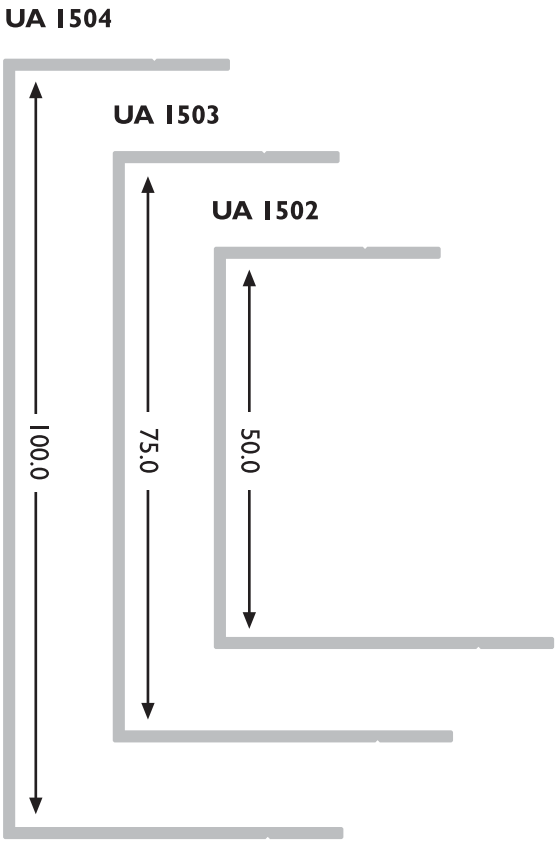
UA 2895 (MR)
CHANNEL
kg/m 0.495 P 215
OAD 53 x 28

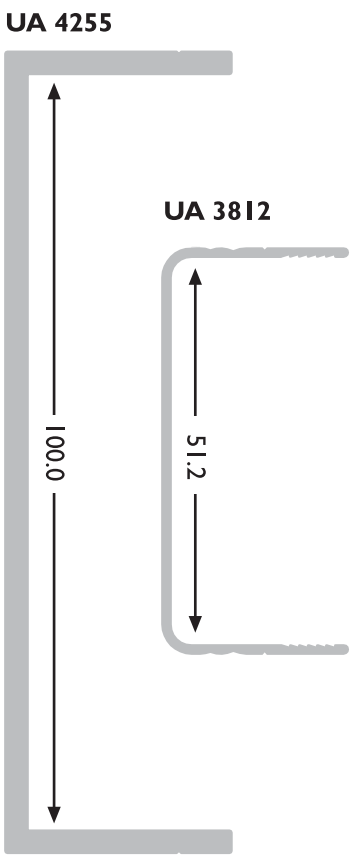
UA 3812
CHANNEL
kg/m 0.361 P 205
OAD 54 x 24.9

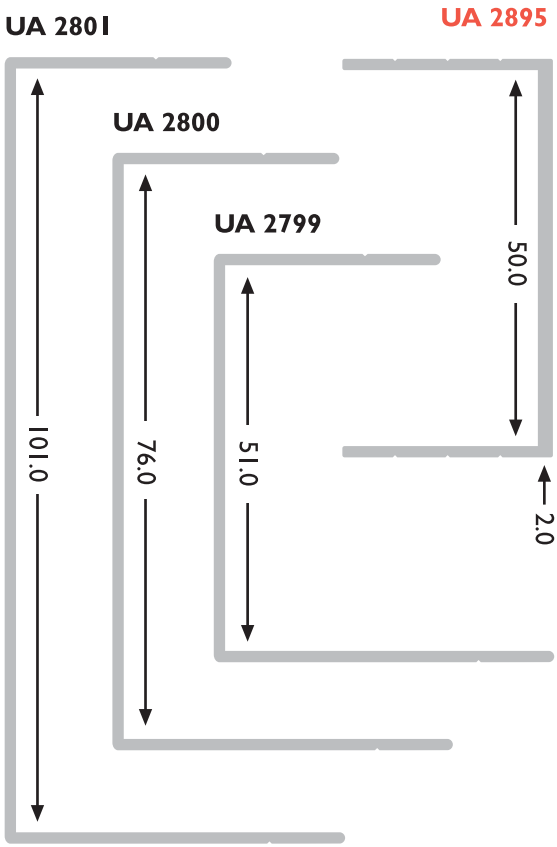
UA 4255
CHANNEL
kg/m 1.295 P 326
OAD 106 x 30 x 3.0

UA 6878
CHANNEL
kg/m 0.399 P 207
OAD 55 x 25 x 1.45









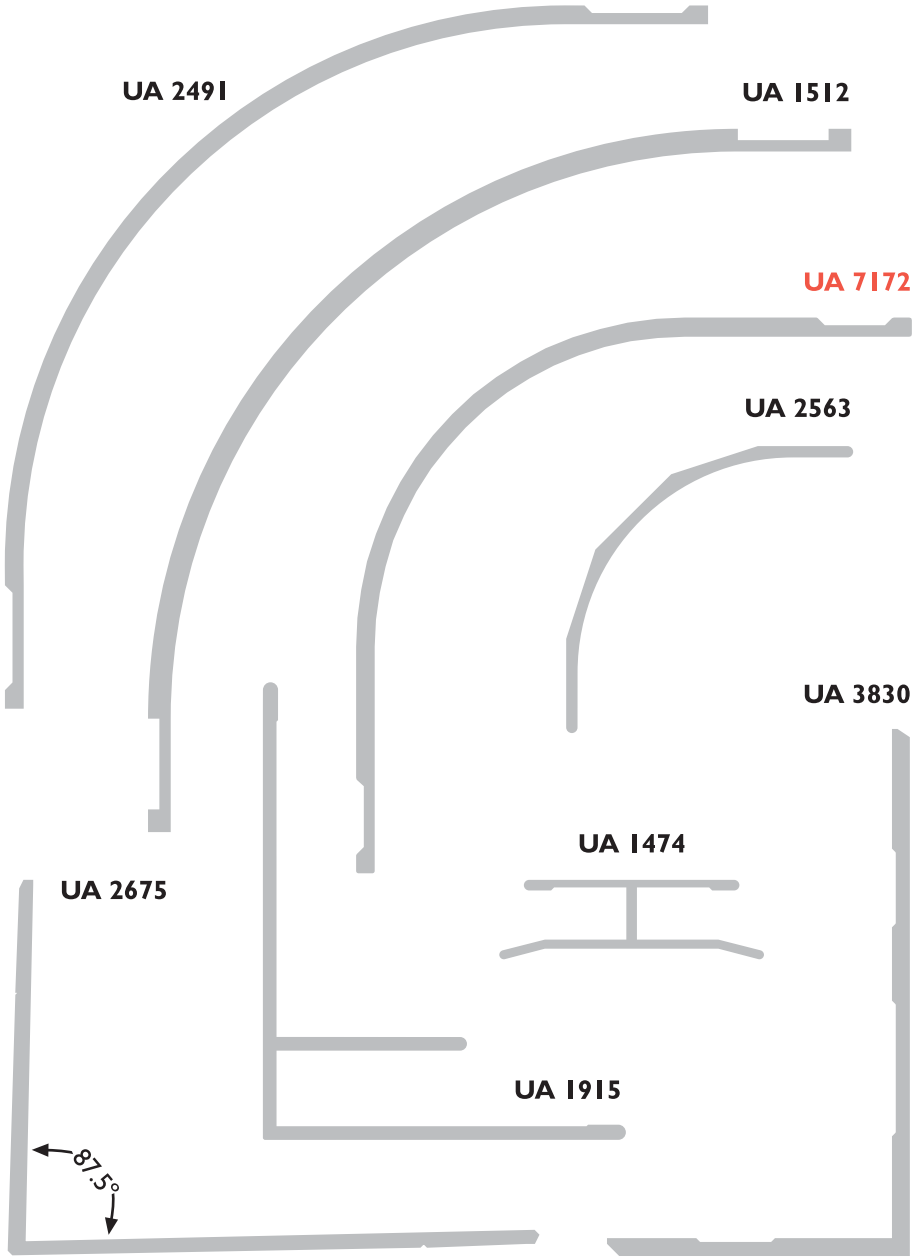
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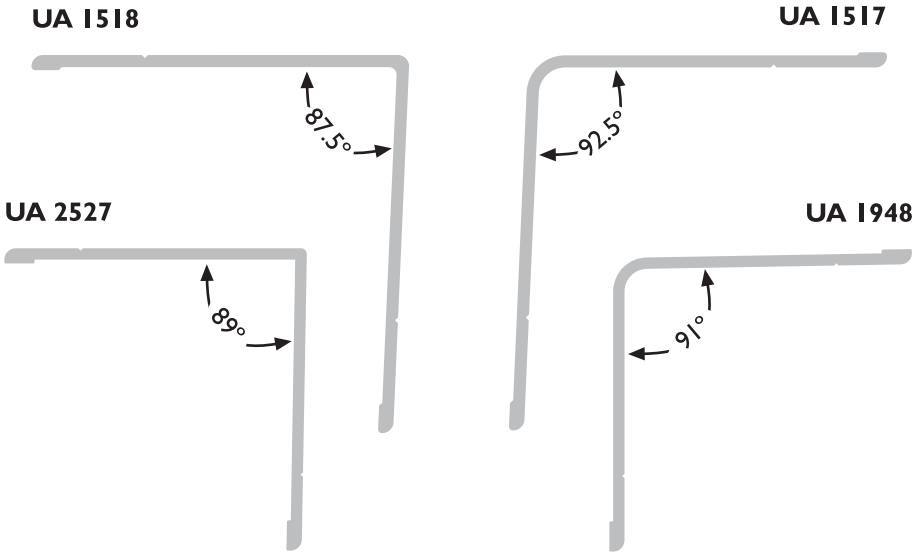
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Edition 18 - 2021

MR = MILL RUN ONLY • NON-STOCKED ITEM • MINIMUM ORDER 200KG

NOTE: Not all products are available ex-stock, check with your local branch for advice on availability.





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 x 40

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

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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

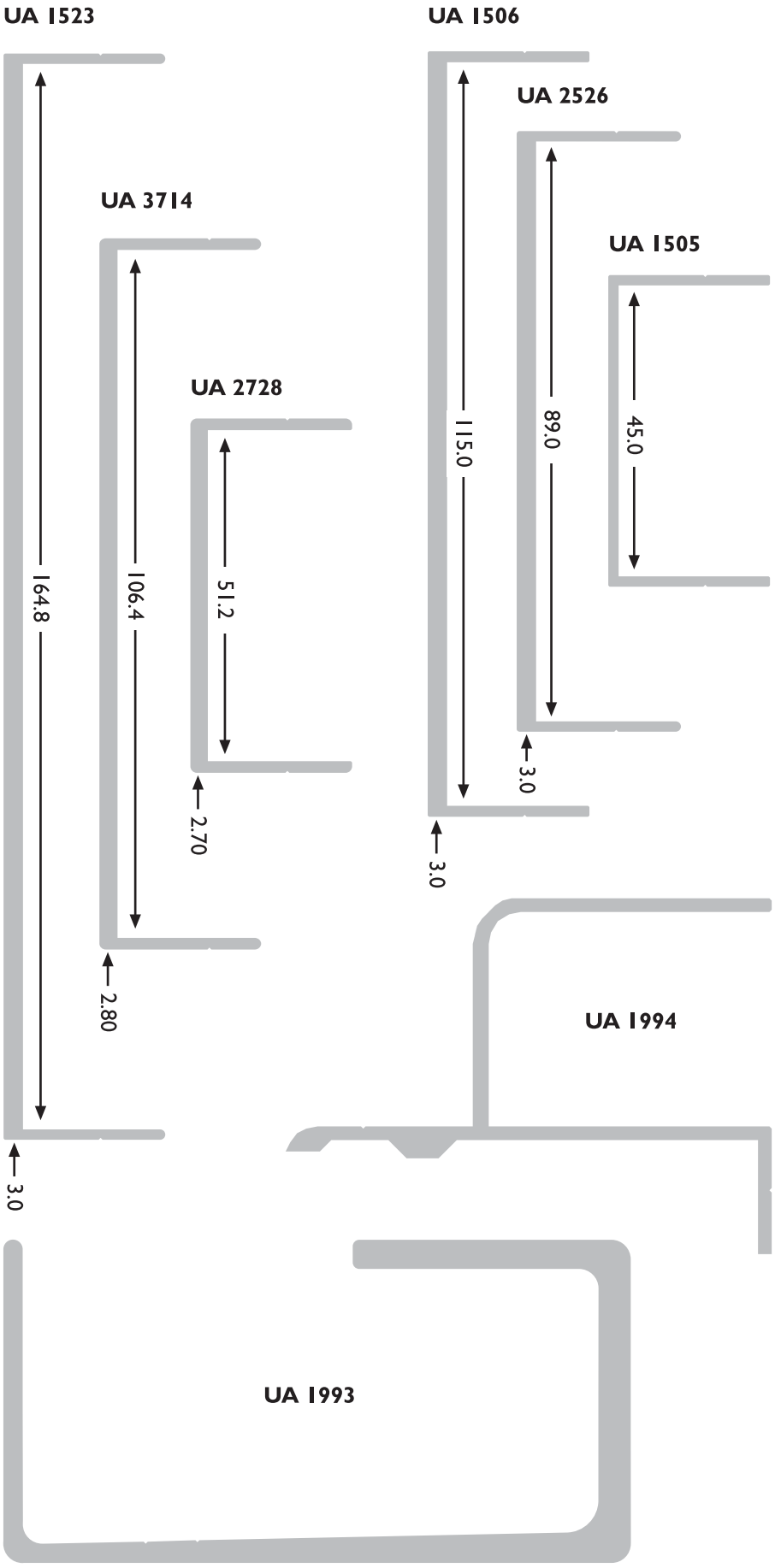
UA 1993
SLIDING DOOR CHANNEL
kg/m 2.507 P 452
OAD 97 x 50

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
DOOR CHANNEL
kg/m 1.045 P 314
OAD 110 x 25



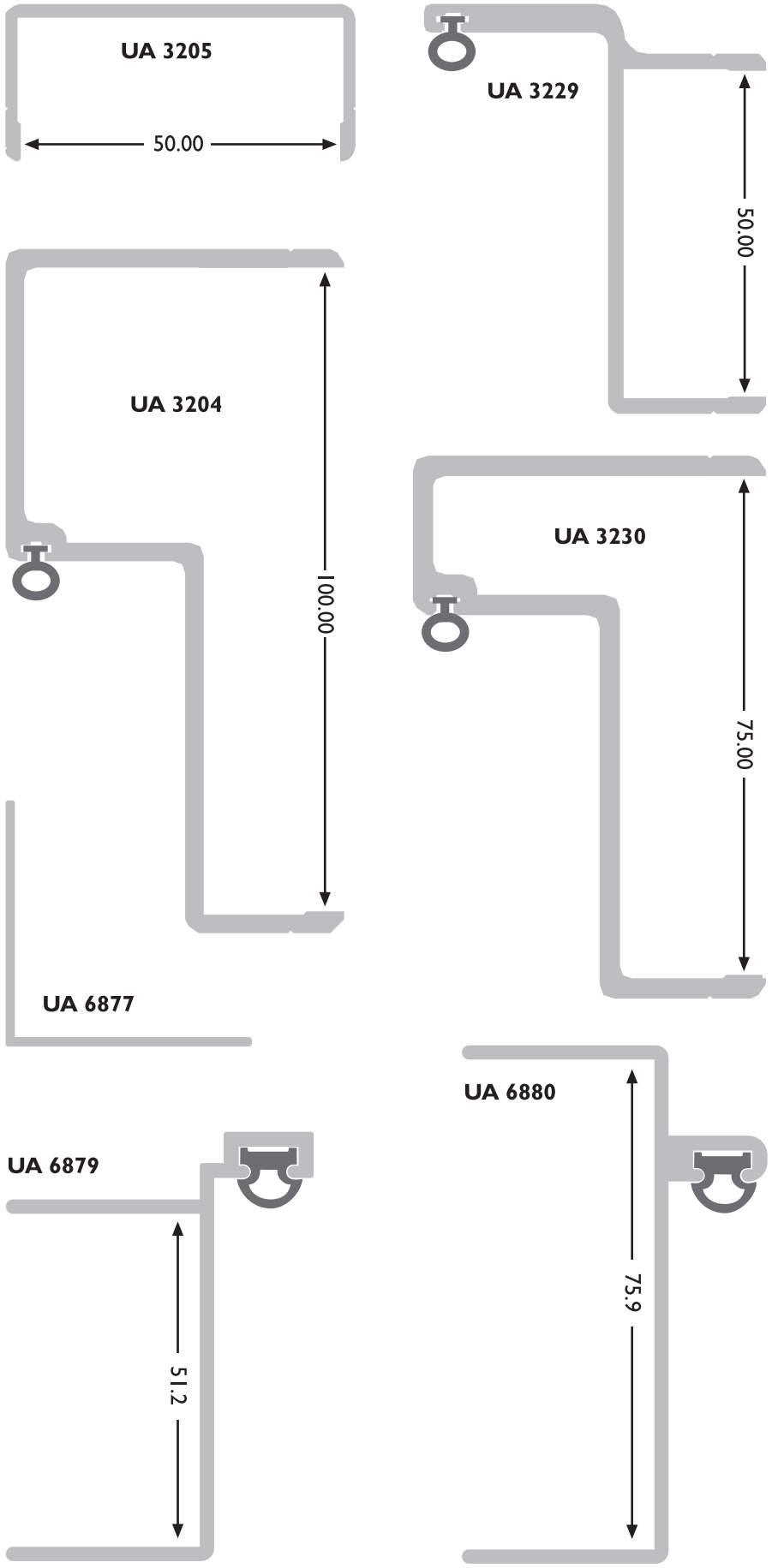
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INFILLS SOLD SEPARATELY

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
75mm DOOR REBATED
kg/m 1.240 P 394
OAD 80.8 x 52 Infill 9101

UA 6877
ANGLE
kg/m 0.291 P 152
OAD 38 x 38

UA 6879
DOOR FRAME
kg/m 0.882 P 298
OAD 66 x 47.3 Infill 40404

UA 6880
DOOR FRAME
kg/m 1.002 P 324
OAD 80.3 x 47.3 Infill 40404

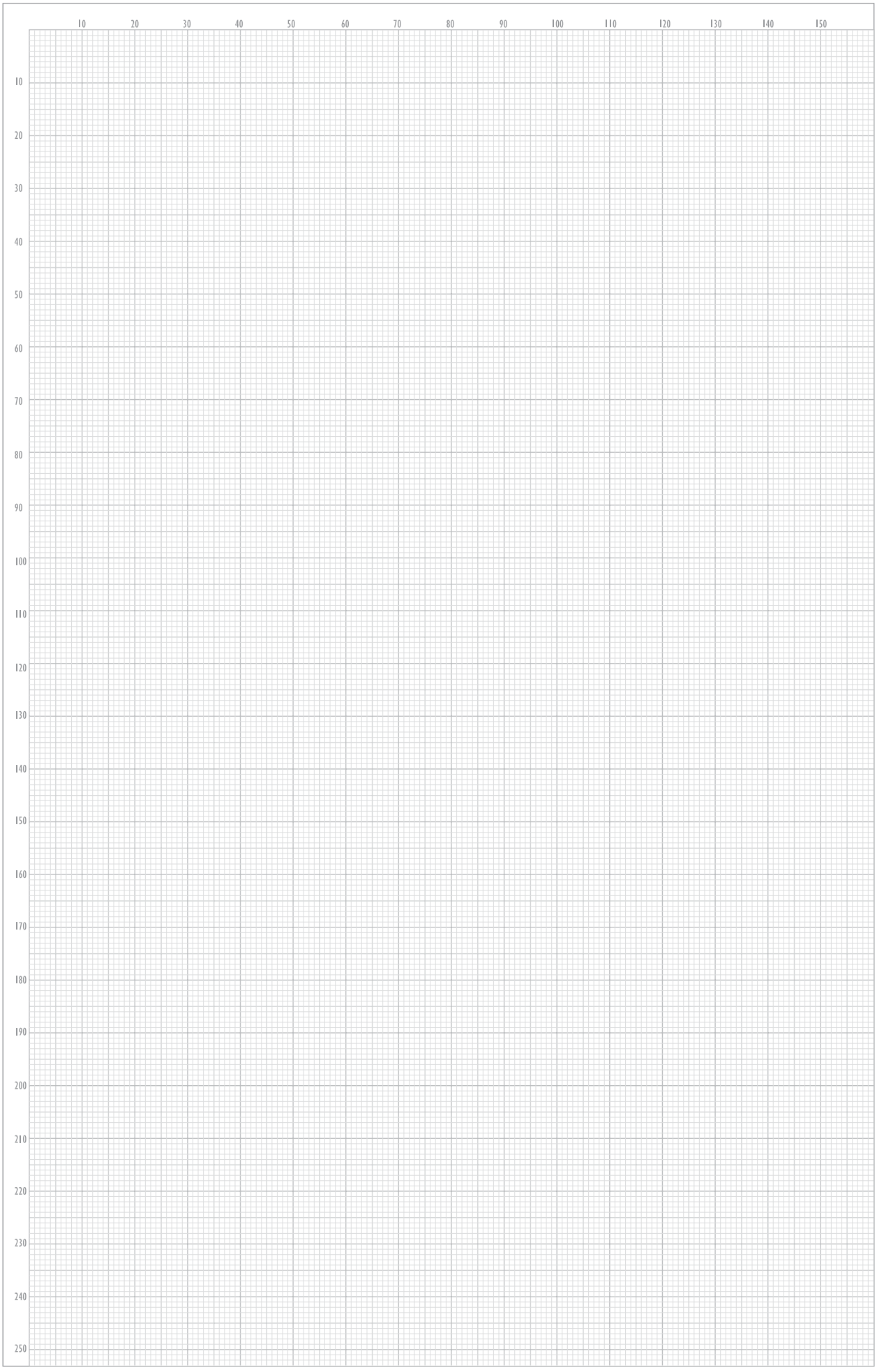
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PLANNING GRID AND NOTES



DIE No	DESCRIPTION
UA 1357	INDUSTRIAL STEP
UA 1426	HERZIM THRESHOLD
UA 1488	THRESHOLD
UA 1489	THRESHOLD
UA 1490	THRESHOLD
UA 2580	THRESHOLD
UA 2955	THRESHOLD

NOTE: RED INDICATES

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UA 1357
INDUSTRIAL STEP
kg/m 1.448 P 286
OAD 96 x 22

UA 1426
HERZIM THRESHOLD
kg/m 0.819 P 215
OAD 89.5 x 9 Infill 12

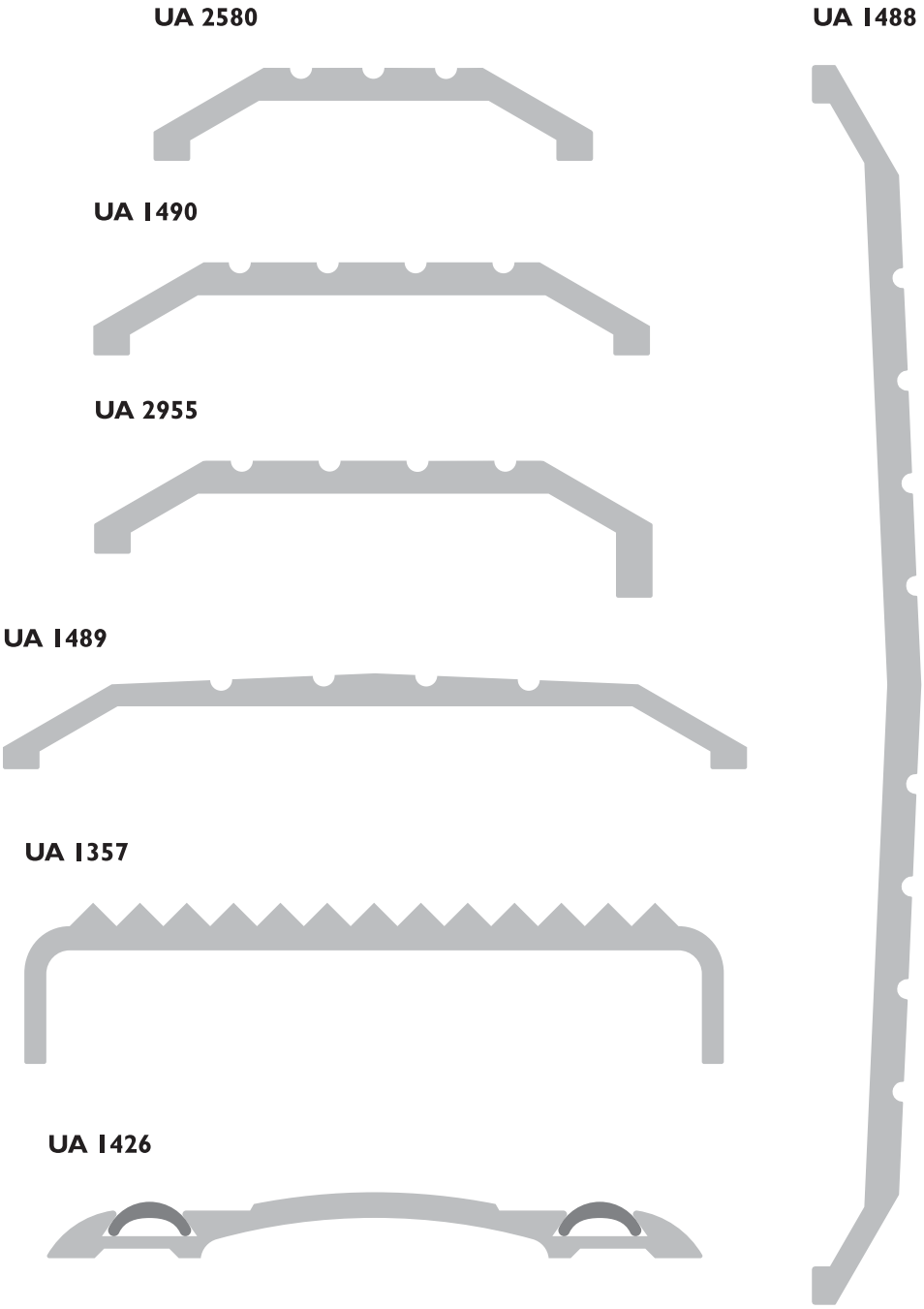
UA 1488
THRESHOLD
kg/m 1.888 P 370
OAD 169 x 14.68

UA 1489
THRESHOLD
kg/m 1.022 P 229
OAD 101.6 x 13.08

UA 1490
THRESHOLD
kg/m 0.892 P 181
OAD 76.2 x 12.7

UA 2580
THRESHOLD
kg/m 0.702 P 146
OAD 60 x 12.7

UA 2955
THRESHOLD
kg/m 0.973 P 192
OAD 76.2 x 18.7



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INFILLS SOLD SEPARATELY

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DIE No	DESCRIPTION
UA 1432	NOSING Serrated
UA 1433	NOSING Serrated
UA 1434	NOSING Serrated
UA 1435	ANGLE Serrated
UA 1436	NOSING Castellated
UA 1437	CARPET EDGE
UA 1439	FLOORING BAR
UA 1440	CASTELLATED FLAT
UA 1441	SERRATED FLAT
UA 1442	ANGLE Serrated
UA 1491	VINYL FLOOR COPE
UA 1495	NOSING Double Round
UA 1496	NOSING Double Square
UA 1497	NOSING Single Round
UA 1498	NOSING Single Square
UA 1574	CARPET COPE
UA 1575	FLOORING EDGE
UA 1577	FLOORING BAR
UA 2197	NOSING Serrated
UA 2323	FORMICA TRIM
UA 4403	NOSING Serrated
UA 5672	TILE EDGE
UA 5673	TILE BULLNOSE

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UA 1432
NOSING Heavy Serrated
kg/m 0.419 P 154
OAD 49.86 x 27

UA 1433
NOSING Round Serrated
kg/m 0.228 P 126
OAD 33.13 x 29.5

UA 1434
NOSING Light Serrated
kg/m 0.175 P 92
OAD 35.5 x 15

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 1437
CARPET EDGE Serrated
kg/m 0.122 P 64
OAD 26.5 x 9

UA 1442
ANGLE Serrated
kg/m 0.143 P 85
OAD 20 x 20

UA 2197
NOSING Serrated
kg/m 0.506 P 230
OAD 70 x 40

UA 4403 (MR)
NOSING Serrated
kg/m 0.540 P 147
OAD 58 x 15.3

UA 1442



UA 1435



UA 1437



UA 4403



UA 1434



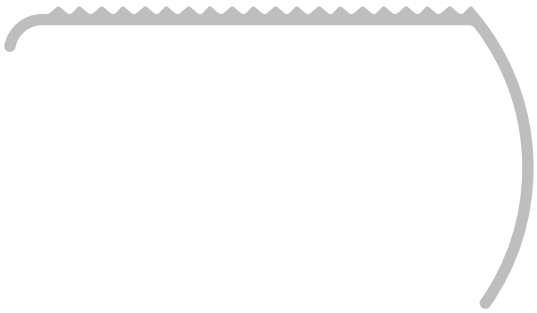
UA 1432



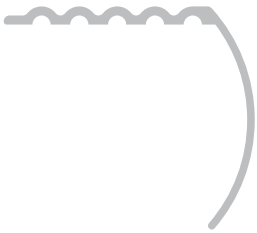
UA 1436



UA 2197



UA 1433



DIAGRAMS ACTUAL SIZE UNLESS OTHERWISE INDICATED.
DIAGRAMS ARE SCHEMATIC ONLY AND NOT INTENDED AS SPECIFICATION DRAWINGS.
OAD = OVERALL DIMENSIONS
P = EXT PERIPHERY

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Edition 18 - 2021

MR = MILL RUN ONLY • NON-STOCKED ITEM • MINIMUM ORDER 200KG

NOTE: Not all products are available ex-stock, check with your local branch for advice on availability.

UA 1441



UA 1440



UA 1439



UA 1575



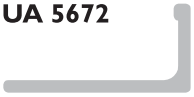
UA 1491



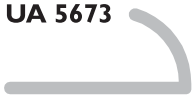
UA 2323



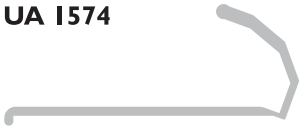
UA 5672



UA 5673



UA 1574



UA 1439
FLOORING BAR
kg/m 0.132 P 58
OAD 25.5 x 4

UA 1440
CASTELLATED FLAT
kg/m 0.244 P 96
OAD 38.4 x 3

UA 1441
SERRATED FLAT
kg/m 0.109 P 47
OAD 18 x 3

UA 1491
VINYL FLOOR COPE
kg/m 0.140 P 60
OAD 25.4 x 5.56

UA 1574
CARPET COPE
kg/m 0.193 P 117
OAD 38.86 x 15.99

UA 1575
FLOORING EDGE
kg/m 0.140 P 54
OAD 24.3 x 3

UA 2323
FORMICA TRIM
kg/m 0.091 P 52
OAD 20.5 x 6.5

UA 5672
TILE EDGE
kg/m 0.135 P 71
OAD 24.5 x 11.5

UA 5673
TILE BULLNOSE
kg/m 0.139 P 76
OAD 24.5 x 11.10

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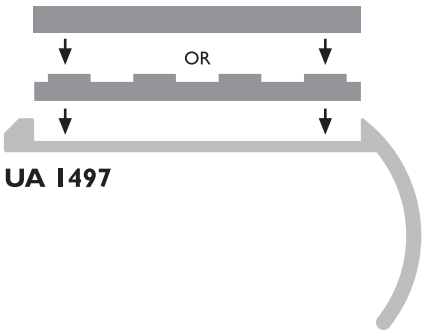
UA 1495
NOSING Double Round
kg/m 0.558 P 235
OAD 87.6 x 28

UA 1496
NOSING Double Square
kg/m 0.566 P 234
OAD 87.6 x 28

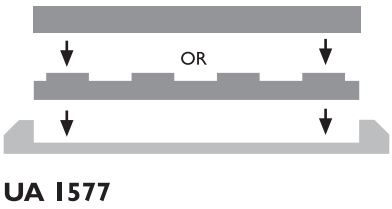
UA 1497
NOSING Single Round
kg/m 0.388 P 164
OAD 55.2 x 28

UA 1498
NOSING Single Square
kg/m 0.378 P 160
OAD 52.2 x 28

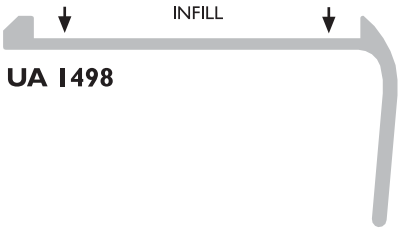
UA 1577
FLOORING BAR
kg/m 0.262 P 115
OAD 51.2 x 4.5



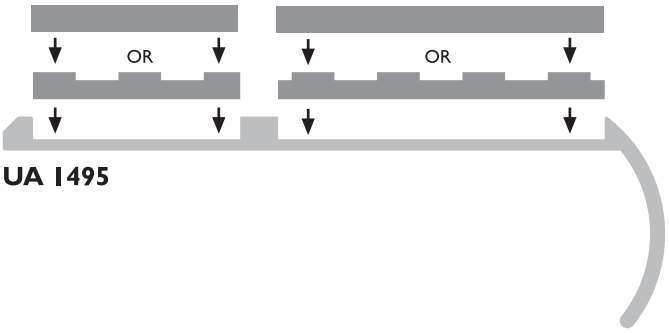
UA 1497



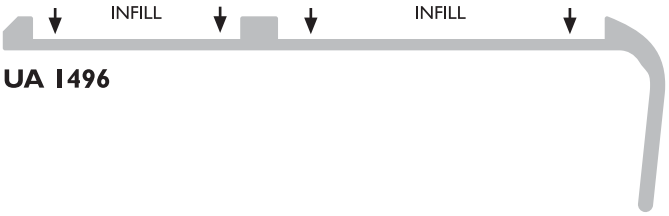
UA 1577



UA 1498



UA 1495



UA 1496

NOSING INFILLS
Designs Available
WALKSAFE - SMOOTH
AQUADEK - TREADED
Width 27mm & 42mm
Various Colours



WALKSAFE

AQUADEK

AQUADEK
TOP VIEW

INFILLS SOLD SEPARATELY

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Edition 18 - 2021

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NOTE: Not all products are available ex-stock, check with your local branch for advice on availability.

DIE No	DESCRIPTION
UA 1415	TOE RAIL Prepunched
UA 1416	PERSPEX JOINTER
UA 1418	PERSPEX UPRIGHT
UA 1419	PERSPEX CAP
UA 1420	PERSPEX PILLAR CAP
UA 1421	PERSPEX CAP
UA 1422	FIBREGLASS CAP
UA 1423	SAIL TRACK
UA 1424	SAIL TRACK
UA 1425	SAIL TRACK
UA 1519	TOE RAIL Prepunched
UA 1520	TOE RAIL Prepunched
UA 1640	GUNNEL
UA 2687	GUNNEL RAIL
UA 2785	PERSPEX CAP
UA 2875	KEEL
UA 2907	BOAT GUNNEL
UA 2972	BOAT RIB
UA 3079	GUNNEL
UA 3147	GUNNEL RAIL
UA 3212	KEEL
UA 3213	KEEL
UA 3418	SAIL TRACK
UA 3747	HULL PLANING STRIP
UA 3811	KEEL
UA 3943	GUNNEL
UA 4903	GUNNEL RAIL
UA 5179	HATCH SECTION
UA 5236	GUNNEL
UA 5237	PERSPEX CAP
UA 5283	BOAT RIB
UA 5889	DECK CAPPING
UA 6770	HATCH SECTION
UA 6771	HATCH SECTION
UA 7072	GUNNEL
UA 7177	LIPPED CHANNEL
UA 7891	DOOR JAMB
UA 7892	DOOR FRAME
UA 7893	DOOR TRANSOM

NOTE: RED INDICATES

= MILL RUN ONLY = NON-STOCKED ITEM

MINIMUM ORDER QUANTITY 200KG

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UA 1415
TOE RAIL Prepunched
kg/m 1.130 P 219
OAD 65 x 50.5

UA 1519
TOE RAIL Prepunched
kg/m 2.194 P 235
OAD 69.82 x 55.54

UA 1520
TOE RAIL Prepunched
kg/m 1.158 P 210
OAD 57.1 x 50.19

UA 2875 (MR)
KEEL
kg/m 1.651 P 269
OAD 77.6 x 32.2

UA 2972 (MR)
BOAT RIB
kg/m 1.397 P 183
OAD 76.2 x 19

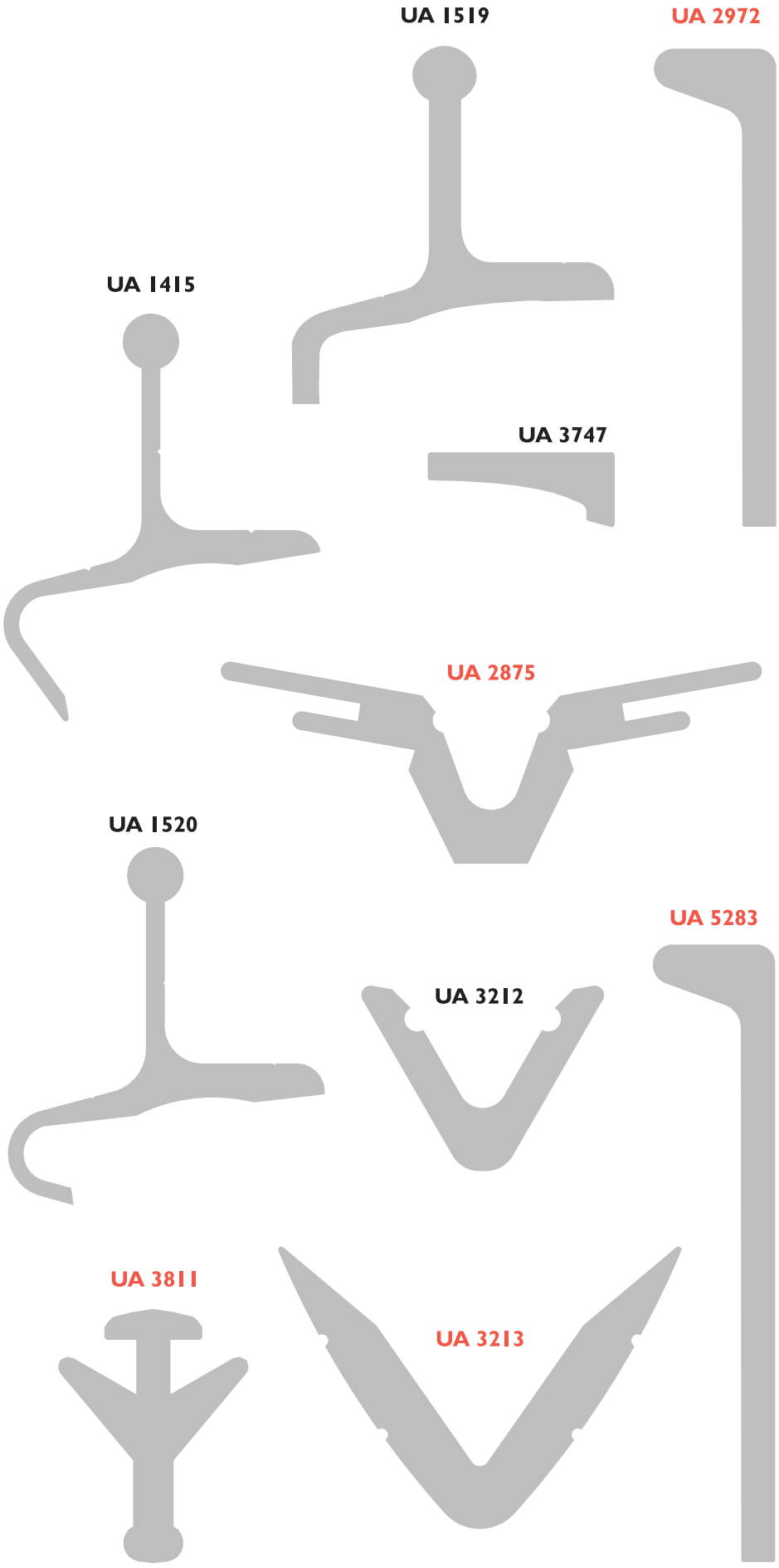
UA 3212
KEEL
kg/m 1.009 P 135
OAD 38.7 x 29.55

UA 3213 (MR)
KEEL
kg/m 2.105 P 214
OAD 64.3 x 45

UA 3747
HULL PLANING STRIP
kg/m 0.526 P 79
OAD 30 x 12

UA 3811 (MR)
KEEL
kg/m 1.169 P 157
OAD 40 x 30

UA 5283 (MR)
BOAT RIB
kg/m 1.691 P 228
OAD 98.7 x 18.9



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Edition 18 - 2021

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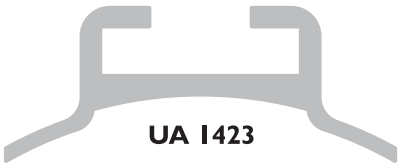
NOTE: Not all products are available ex-stock, check with your local branch for advice on availability.



UA 1425



UA 1424



UA 1423



UA 7177



UA 1422



UA 5237



UA 1421

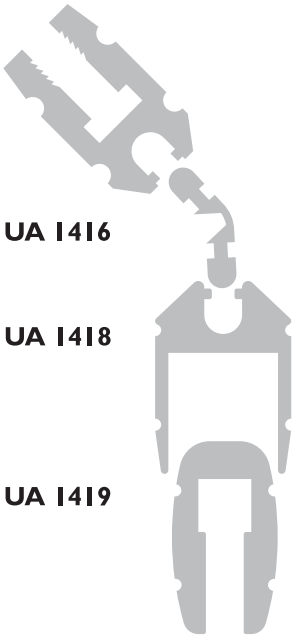


UA 2785



UA 3418

UA 1420



UA 1416

UA 1418

UA 1419

UA 7177
SAIL TRACK
kg/m 1.717 P 188
OAD 50 x 20

UA 1416
PERSPEX JOINTER
kg/m 0.119 P 50
OAD 17 x 6

UA 1418
PERSPEX UPRIGHT
kg/m 0.434 P 129
OAD 25.5 x 18

UA 1419
5mm PERSPEX CAP
kg/m 0.538 P 117
OAD 25.5 x 14

UA 1420
5mm PERSPEX PILLAR CAP
kg/m 0.564 P 139
OAD 25.5 x 14

UA 1421
5mm PERSPEX CAP
kg/m 0.393 P 99
OAD 22 x 12

UA 1422
5mm FIBREGLASS CAP
kg/m 0.133 P 70
OAD 12 x 9

UA 1423
SAIL TRACK
kg/m 0.712 P 183
OAD 52 x 21

UA 1424
SAIL TRACK
kg/m 0.478 P 124
OAD 32 x 12

UA 1425
SAIL TRACK
kg/m 0.213 P 85
OAD 22 x 8

UA 2785
5.4mm PERSPEX CAP
kg/m 0.372 P 99
OAD 22 x 12

UA 3418
SAIL TRACK
kg/m 0.458 P 130
OAD 31 x 17.13

UA 5237 (MR)
5mm PERSPEX CAP
kg/m 0.175 P 67
OAD 12.7 x 9.4

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UA 1640
4mm GUNNEL
kg/m 0.857 P 167
OAD 38 x 32

UA 2687
GUNNEL RAIL
kg/m 0.758 P 198
OAD 47 X 32

UA 2907 (MR)
GUNNEL RAIL
kg/m 1.107 P 260
OAD 89.88 x 16

UA 3079
4-5-4mm GUNNEL
kg/m 1.110 P 194
OAD 50 x 35

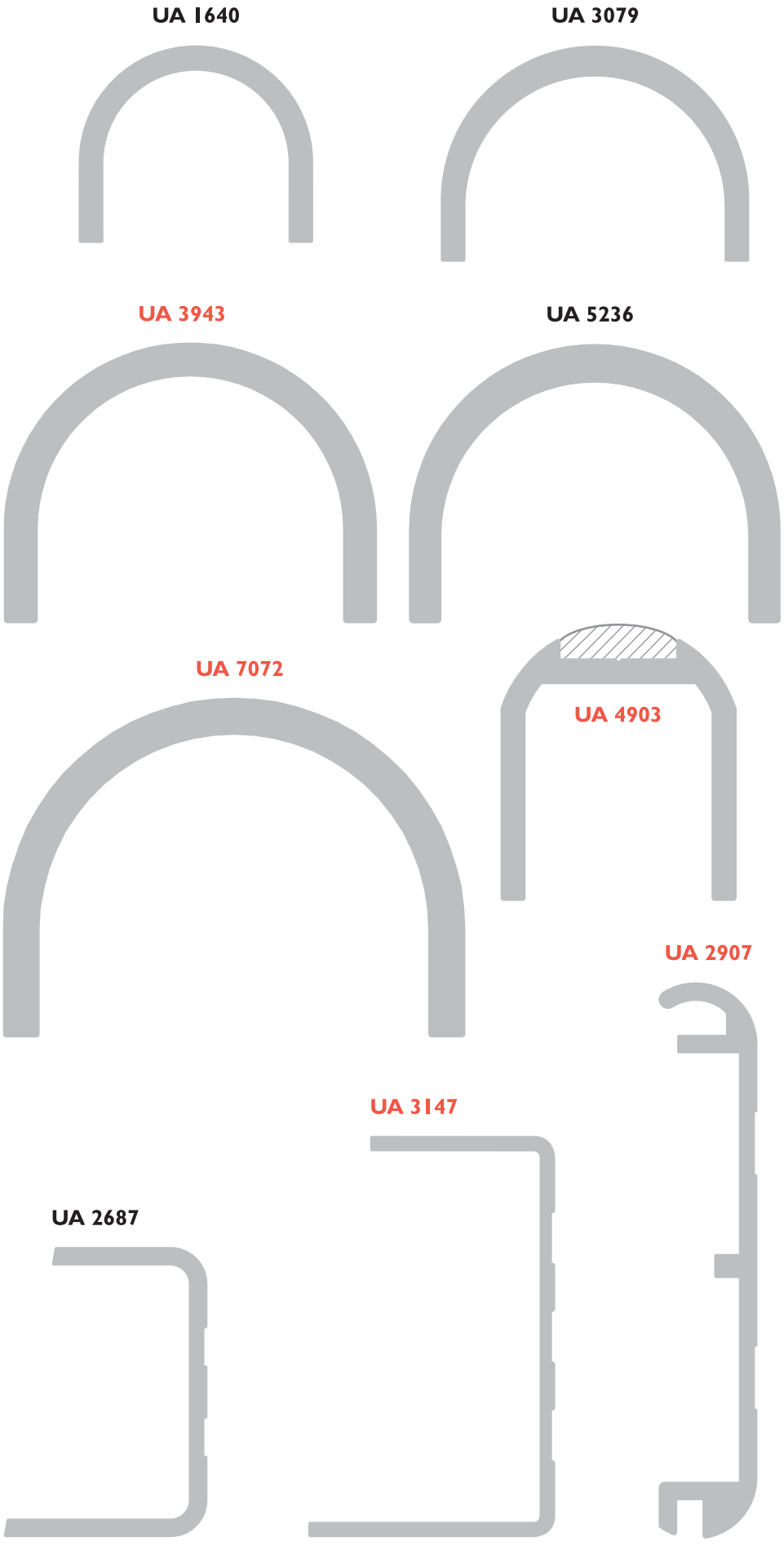
UA 3147 (MR)
GUNNEL RAIL
kg/m 0.831 P 263
OAD 65 x 40

UA 3943 (MR)
5mm GUNNEL
kg/m 1.571 P 243
OAD 60 x 45

UA 4903 (MR)
GUNNEL RAIL
kg/m 1.109 P 222
OAD 42.2 x 38
Takes 19mm Timber Fillet
(NOT AVAILABLE AT ULLRICH)

UA 5236
5-6-5mm GUNNEL
kg/m 1.706 P 240
OAD 60 x 45

UA 7072 (MR)
6mm GUNNEL
kg/m 2.322 P 298
OAD 75 x 55



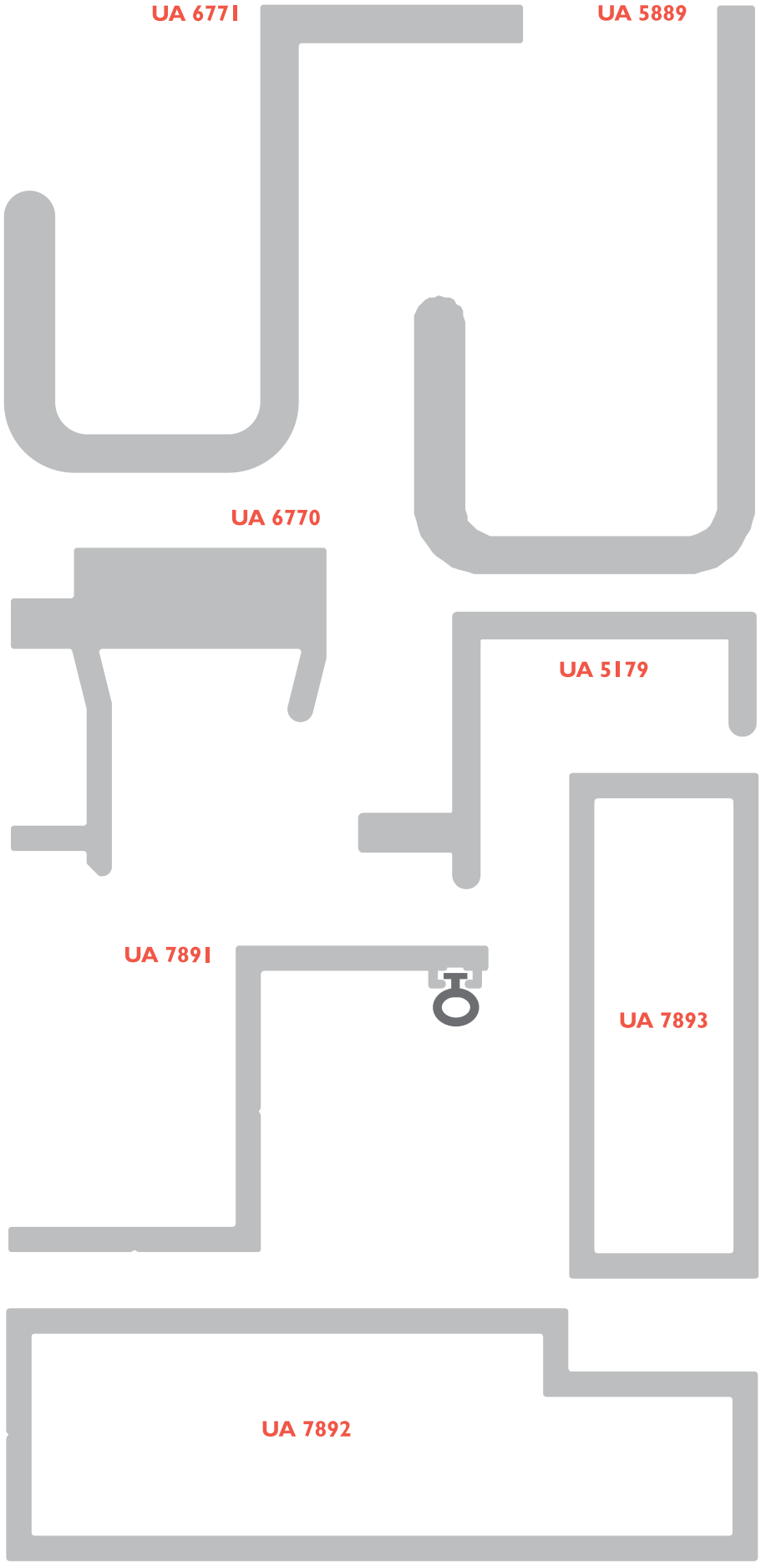
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INFILLS SOLD SEPARATELY

UA 5179 (MR)
HATCH SECTION
kg/m 1.368 P 245
OAD 63 x 45

UA 5889 (MR)
DECK CAPPING
kg/m 2.926 P 347
OAD 90 x 54

UA 6770 (MR)
HATCH SECTION
kg/m 2.587 P 246
OAD 52 x 50

UA 6771 (MR)
HATCH SECTION
kg/m 3.088 P 366
OAD 81 x 73

UA 7891 (MR)
DOOR JAMB
kg/m 1.327 P 263
OAD 76 x 48.5 Infill 9101

UA 7892 (MR)
DOOR FRAME
kg/m 3.261 P 317
OAD 119 x 40

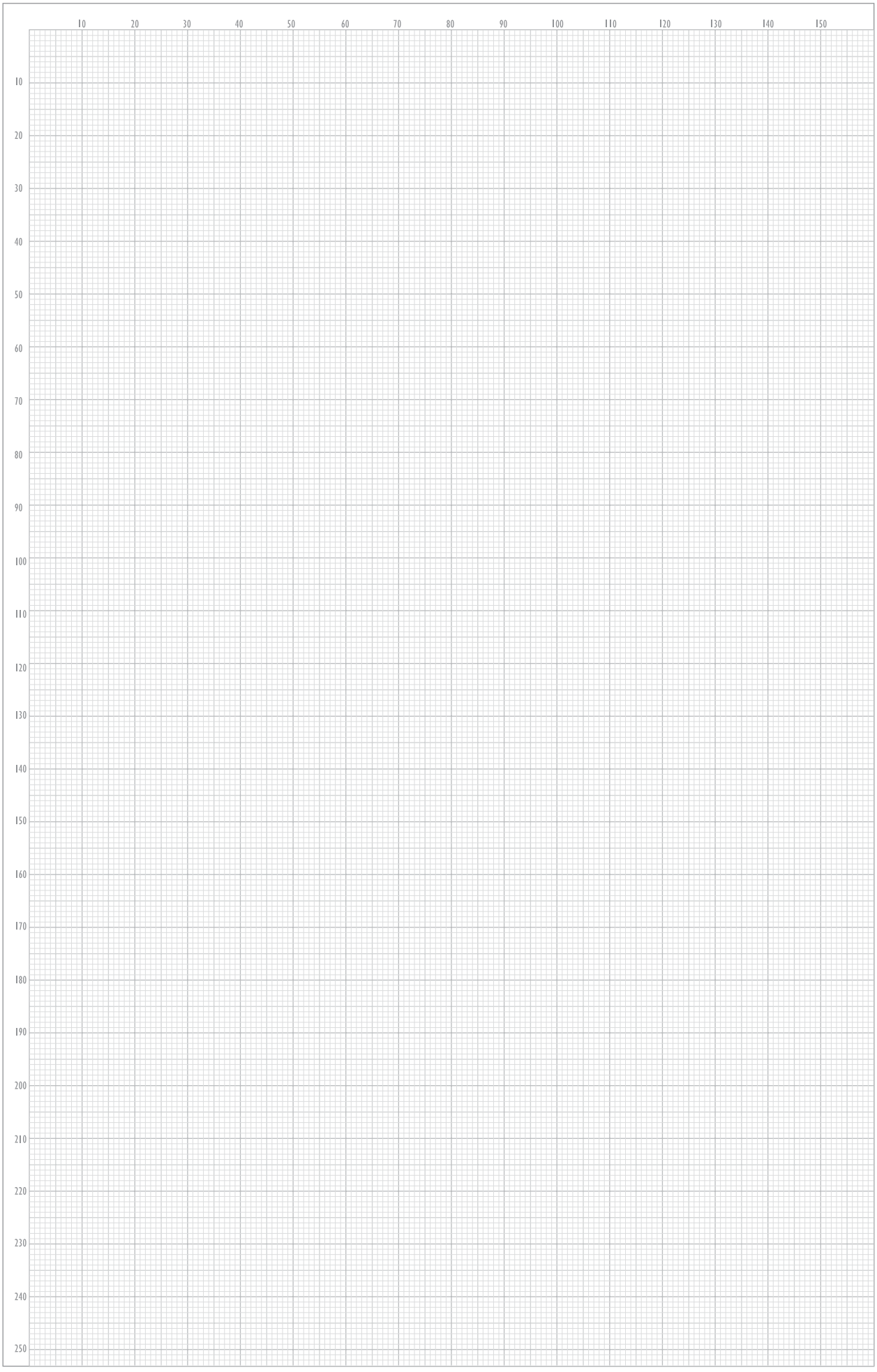
UA 7893 (MR)
DOOR TRANSOM
kg/m 2.203 P 220
OAD 80 x 30

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PLANNING GRID AND NOTES



DIE No	DESCRIPTION
UA 1406	DBL SIDED AWNING RAIL
UA 1407	AWNING DRIP RAIL
UA 1408	LIGHT AWNING RAIL
UA 1409	DRIP RAIL
UA 1410	DRIP RAIL
UA 1411	LIGHT BUS DRIP RAIL
UA 1412	DRIP RAIL
UA 1413	HEAVY BUS DRIP RAIL
UA 1414	DRIP RAIL
UA 1417	RUB RAIL
UA 1426	HERZIM THRESHOLD
UA 1427	RUB RAIL
UA 1428	RUB RAIL
UA 1429	RUB RAIL
UA 1430	RUB RAIL
UA 1431	RUB RAIL
UA 1483	RUB RAIL
UA 1605	RUB RAIL
UA 1606	RUB RAIL
UA 1608	STD AWNING RAIL
UA 1875	BUFFER RAIL
UA 2218	BUS RUB RAIL
UA 2359	BUS RUB RAIL
UA 6074	DBL SIDED RAIL
UA 6553	FLANGED AWNING RAIL

NOTE: RED INDICATES

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UA 1406
DBL SIDED AWNING RAIL
kg/m 0.335 P 111
OAD 32 x 13.91 ID 11mm

UA 1407
AWNING DRIP RAIL
kg/m 0.506 P 141
OAD 37.93 x 13.4 ID 11mm

UA 1408
LIGHT AWNING RAIL
kg/m 0.22 P 104
OAD 30.1 x 13.15 ID 11.2mm

UA 1409
DRIP RAIL
kg/m 0.303 P 72
OAD 19 x 14

UA 1410
DRIP RAIL
kg/m 0.357 P 82
OAD 22 x 16

UA 1411
LIGHT BUS DRIP RAIL
kg/m 0.256 P 98
OAD 25.5 x 16.5

UA 1412
DRIP RAIL
kg/m 0.131 P 59
OAD 16 x 10

UA 1413
HEAVY BUS DRIP RAIL
kg/m 0.431 P 100
OAD 24 x 22

UA 1414
DRIP RAIL
kg/m 0.146 P 74
OAD 21.5 x 12.5

UA 1608
STD AWNING RAIL
kg/m 0.221 P 96
OAD 28 x 12.8 ID 9.4mm

UA 6074 (MR)
DBL SIDED RAIL
kg/m 3.032 P 281
OAD 62.7 x 36.4

UA 6553
FLANGED AWNING RAIL
kg/m 0.496 P 192
OAD 64.8 x 15.95 ID 13mm

UA 1408



UA 1608



UA 1406



UA 6553



UA 1407



UA 1412



UA 1414



UA 1411



UA 1409



UA 1410



UA 1413



UA 6074



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UA 1605



UA 1428



UA 1429



UA 1430



UA 1427



UA 1431



UA 1606



UA 1483



UA 1417



UA 1417
RUB RAIL 31.6mm
kg/m 0.271 P 104
OAD 33 x 12 Infill 5206
ENDCAPS available:
Code BOAHHENDCAPS

UA 1427
RUB RAIL 32mm
kg/m 0.126 P 89
OAD 32 x 4.5 Infill 11 Serrated

UA 1428
RUB RAIL 17mm
kg/m 0.106 P 47
OAD 17 x 5 Infill 12

UA 1429
RUB RAIL 25mm
kg/m 0.169 P 67
OAD 25 x 5 Infill 12

UA 1430
RUB RAIL 31mm
kg/m 0.120 P 82
OAD 31 x 4 Infill 12

UA 1431
RUB RAIL 40mm
kg/m 0.291 P 131
OAD 40 x 9 Infills 111,112
ENDCAPS available:
Code BOAENDCAP/40

UA 1483 (MR)
RUB RAIL 25.2mm
kg/m 0.220 P 76
OAD 27 x 7 Infill 12

UA 1605
RUB RAIL 13mm
kg/m 0.077 P 40
OAD 13 x 4.5 Infill 11 Serrated

UA 1606
RUB RAIL 11.4mm
kg/m 0.088 P 44
OAD 13 x 7 Infill 11 Serrated

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UA 1426
HERZIM THRESHOLD 89.5mm
kg/m 0.819 P 215
OAD 89.5 x 9 Infill 12

UA 1875
BUFFER RAIL 30mm
kg/m 0.427 P 118
OAD 30 x 15 Infill 5205

UA 2218
BUS RUB RAIL 58mm Cover
kg/m 0.402 P 144
OAD 43.5 x 11.5 Infill 5246
ENDCAPS available:
Code TRABUSENDCAP

UA 2359
BUS RUB RAIL 50mm
kg/m 0.235 P 146
OAD 50 x 10 Infill 4870

UA 2359



UA 2218



UA 1875





UA 1426

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DIE No	DESCRIPTION
UA 1393	BUS WINDOW - BOTTOM
UA 1395	BUS WINDOW - TOP
UA 1396	CANT RAIL
UA 1397	EASYDEK SIDE CAP
UA 1398	EASYDEK COAMING RAIL
UA 1399	EASYDEK FLOORING
UA 1400	SIDE RAIL
UA 1402	PLANK
UA 1403	PLANK
UA 1404	ROLLER SHUTTER
UA 1405	HOLLOW PLANK
UA 1494	TRAY SIDE CAP
UA 1509	CANT RAIL
UA 1510	SCALLOP PLANK
UA 1511	CANT RAIL
UA 1573	ROLLER GLIDE CHANNEL
UA 1581	TRUCK SIDE BOARD
UA 1583	CANT RAIL
UA 1584	TRUCK SIDE RAIL
UA 2463	CHANNEL
UA 2741	CANT RAIL
UA 3328	COAMING RAIL
UA 3493	DECKING
UA 4394	CHASSIS RUNNER CAP
UA 4395	CHASSIS RUNNER
UA 4626	GRATE Punched
UA 4711	TOP HAT
UA 5006	COAMING RAIL
UA 5183	SIDE BOARD
UA 5275	SUB FRAME
UA 5814	TIPPER SUB FRAME
UA 6153	SIDE RAIL
UA 6388	SIDE RAIL
UA 6567	SIDE RAIL
UA 6611	DECKING
UA 6784	P-SECTION
UA 6892	CHANNEL

NOTE: RED INDICATES

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MINIMUM ORDER QUANTITY 200KG

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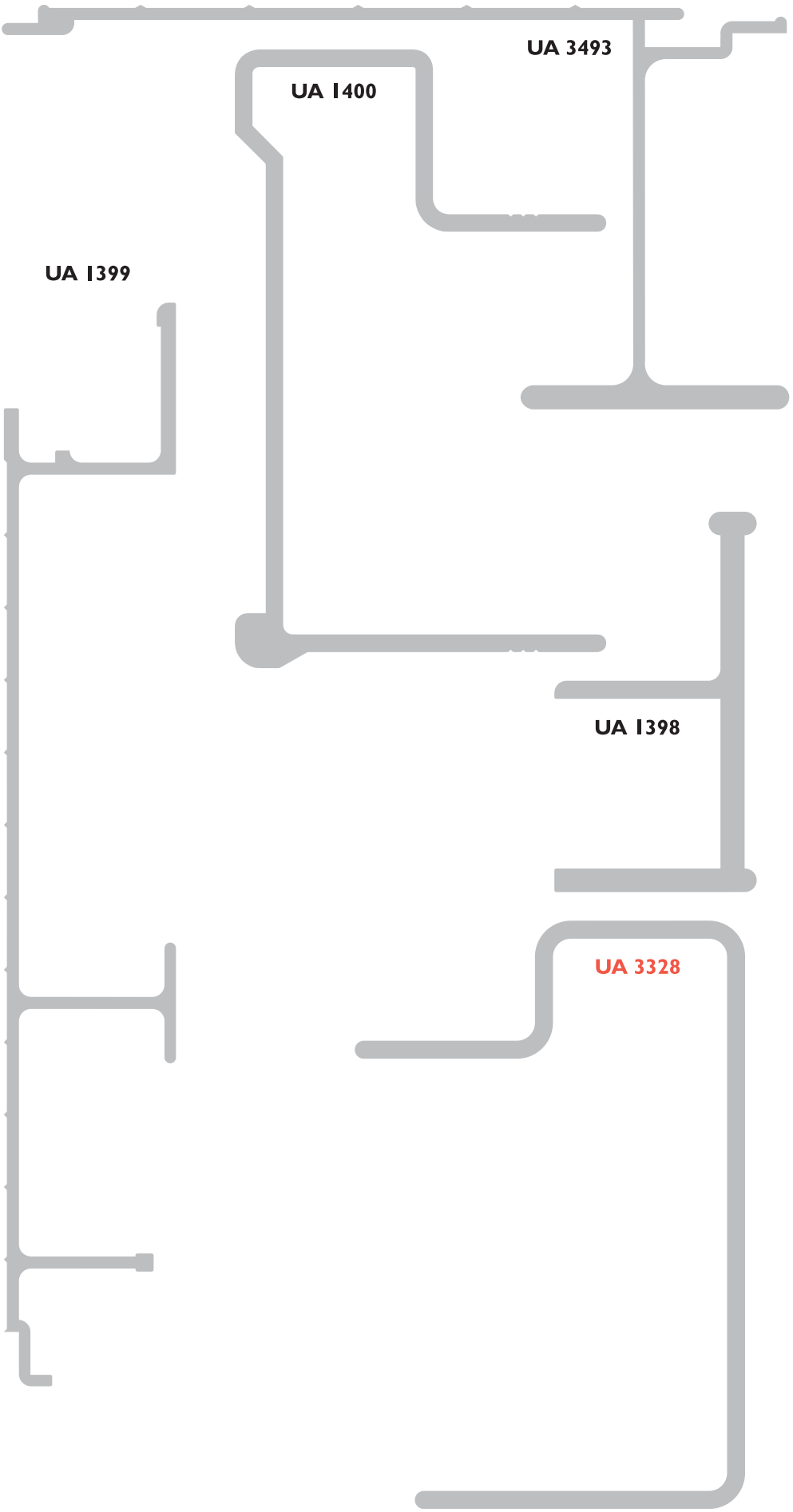
UA 1398
EASYDEK COAMING RAIL
kg/m 1.243 P 250
OAD 63 x 33.5 fits 1399

UA 1399
EASYDEK FLOORING
kg/m 1.621 P 581
OAD 179.5 x 28.5

UA 1400
SIDE RAIL
kg/m 1.670 P 490
OAD 102 x 61

UA 3328 (MR)
COAMING RAIL
kg/m 1.811 P 452
OAD 98 x 65

UA 3493
DECKING
kg/m 1.667 P 491
OAD 130 x 66.5



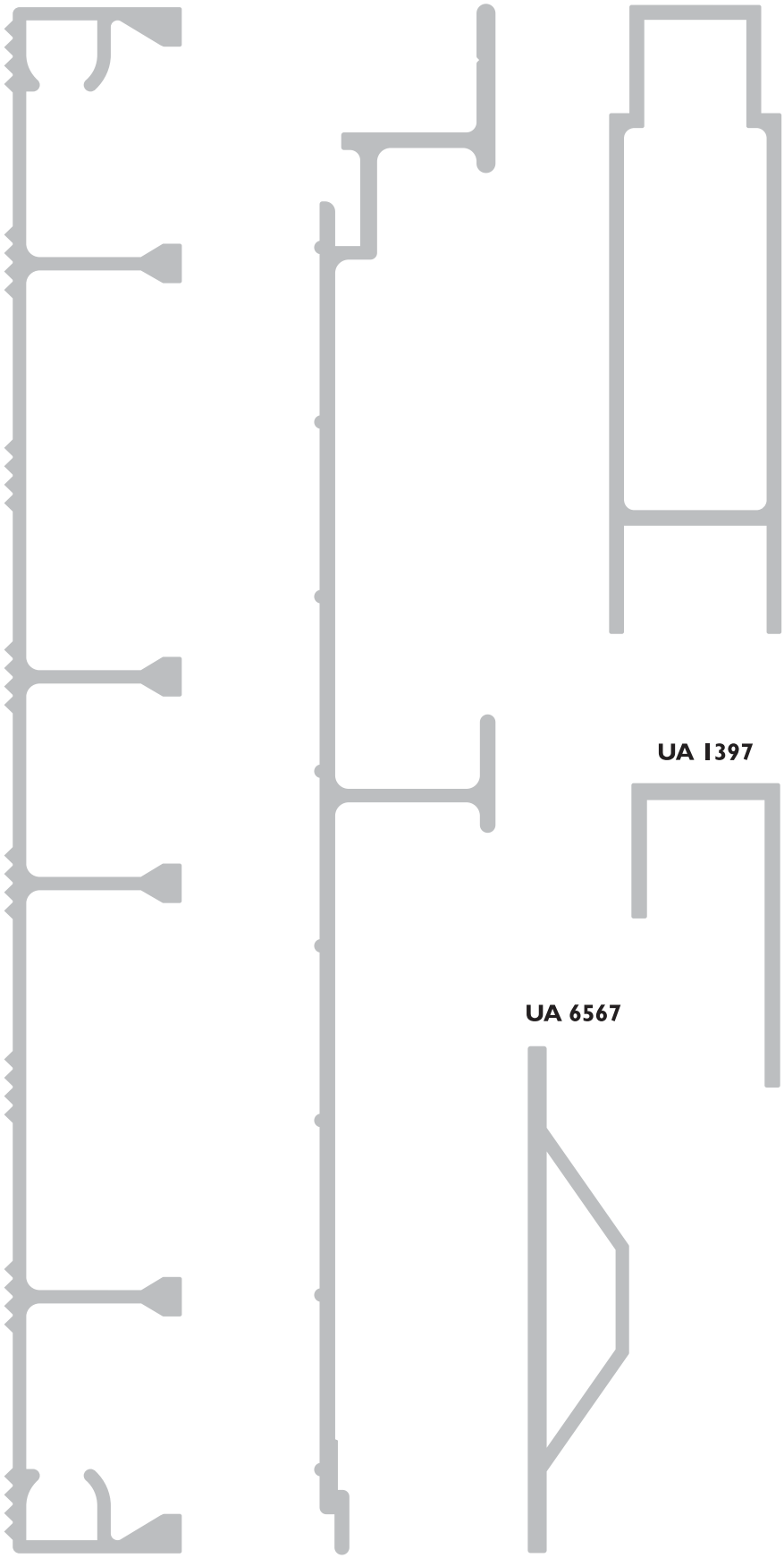
DIAGRAMS ACTUAL SIZE UNLESS OTHERWISE INDICATED.
DIAGRAMS ARE SCHEMATIC ONLY AND NOT INTENDED AS SPECIFICATION DRAWINGS.
OAD = OVERALL DIMENSIONS
P = EXT PERIPHERY

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Edition 18 - 2021

MR = MILL RUN ONLY • NON-STOCKED ITEM • MINIMUM ORDER 200KG

NOTE: Not all products are available ex-stock, check with your local branch for advice on availability.



UA 1397
EASYDEK SIDE CAP
kg/m 0.521 P 169
OAD 45 x 22

UA 1405
HOLLOW PLANK
kg/m 1.409 P 268
OAD 93 x 25.5

UA 4626
GRATE Punched
kg/m 2.788 P 840
OAD 228.6 x 26

UA 6567
SIDE RAIL
kg/m 0.860 P 163
OAD 75 x 15

UA 6611 (MR)
DECKING
kg/m 1.971 P 611
OAD 229.2 x 26

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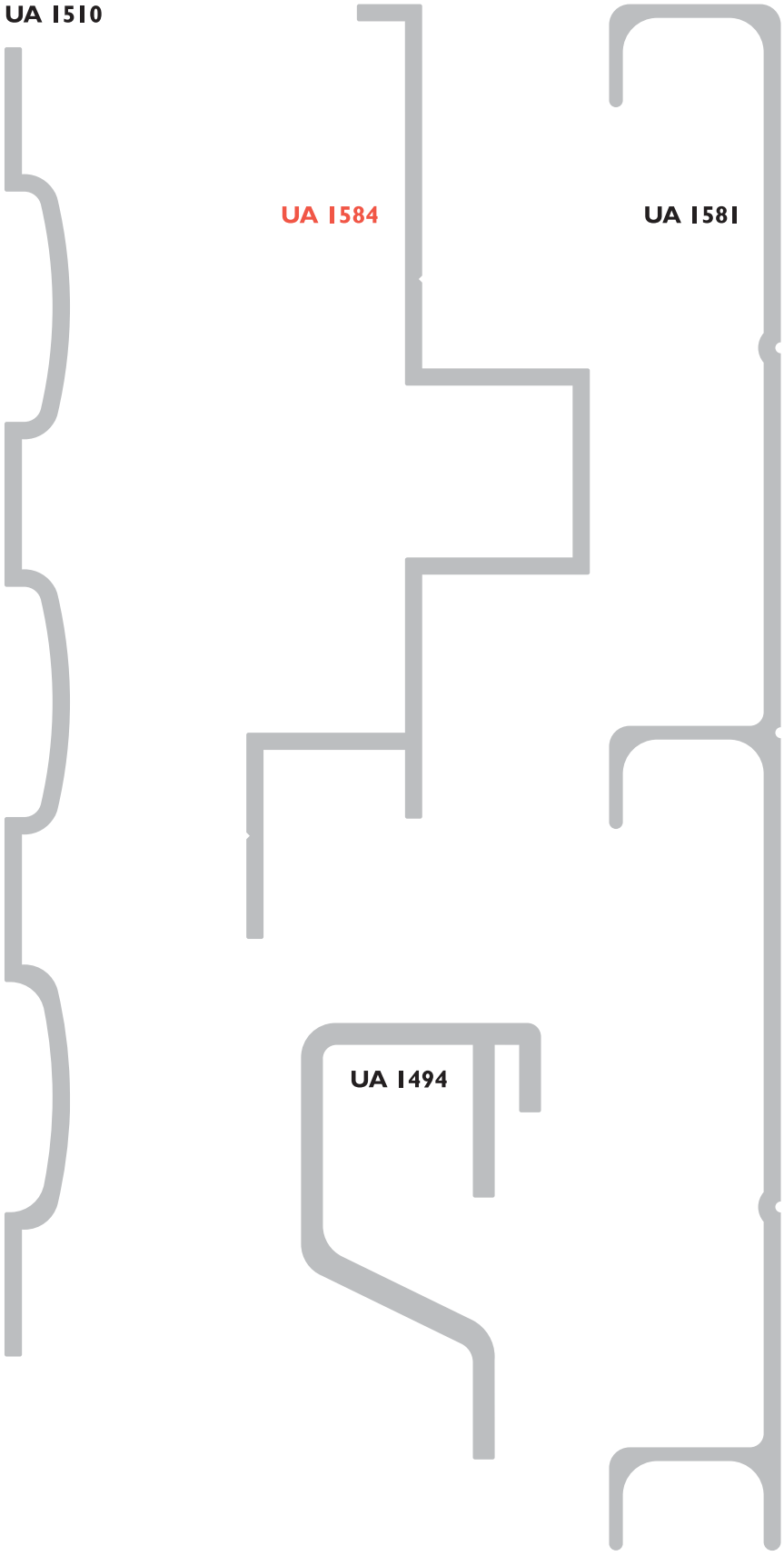
NOTE: Not all products are available ex-stock, check with your local branch for advice on availability.

UA 1494
TRAY SIDE CAP
kg/m 1.202 P 287
OAD 34.93 x 63.5

UA 1510
SCALLOP PLANK
kg/m 1.409 P 421
OAD 190.5 x 9.53

UA 1581
TRUCK SIDE BOARD
kg/m 2.172 P 647
OAD 225 x 25

UA 1584 (MR)
TRUCK SIDE RAIL
kg/m 1.521 P 455
OAD 136 x 50



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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 5183
SIDE BOARD
kg/m 2.461 P 732
OAD 250 x 33

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UA 1396
CANT RAIL
kg/m 1.966 P 558
OAD 152.5 x 79.4
Cast Corner UC1396

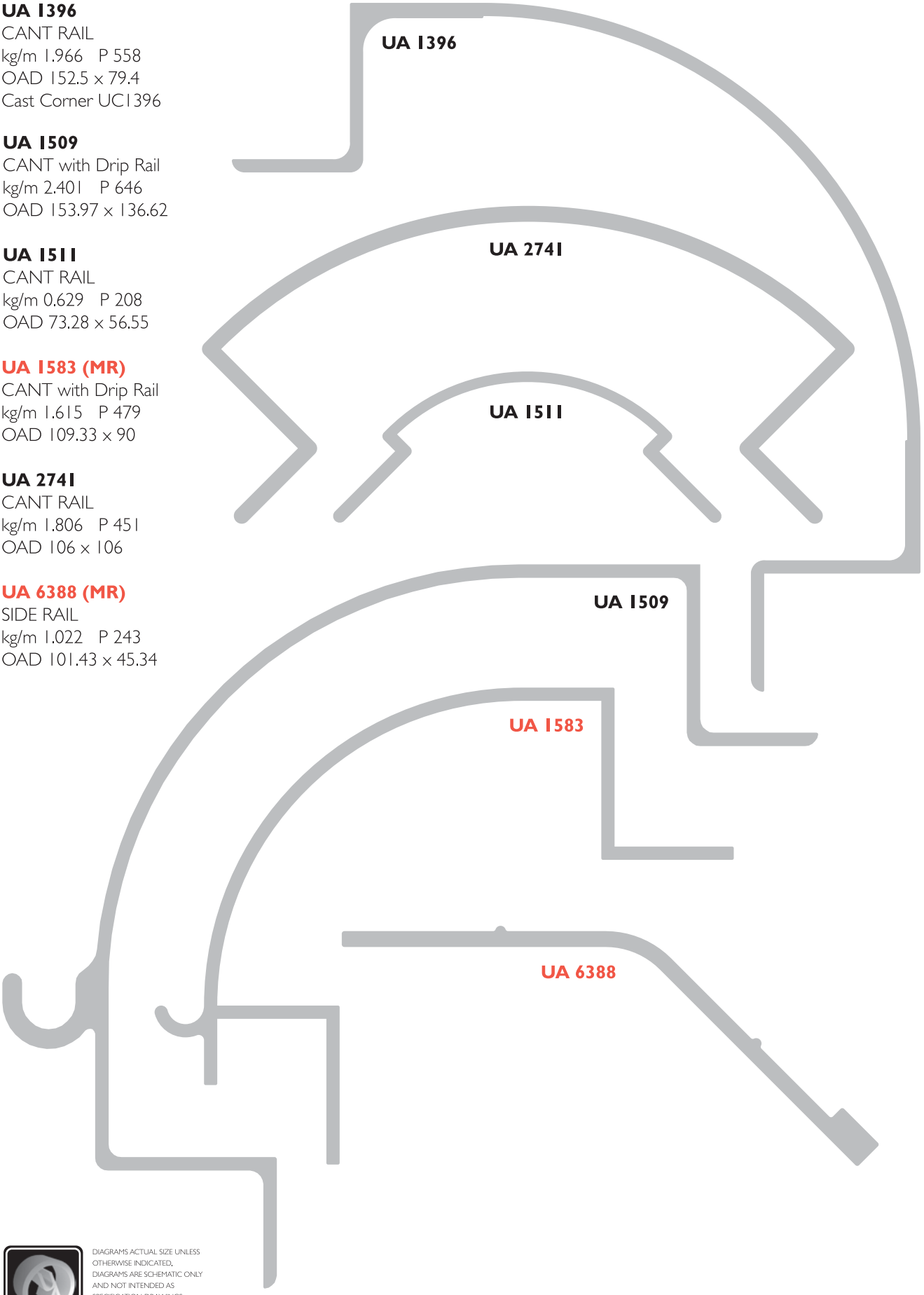
UA 1509
CANT with Drip Rail
kg/m 2.401 P 646
OAD 153.97 x 136.62

UA 1511
CANT RAIL
kg/m 0.629 P 208
OAD 73.28 x 56.55

UA 1583 (MR)
CANT with Drip Rail
kg/m 1.615 P 479
OAD 109.33 x 90

UA 2741
CANT RAIL
kg/m 1.806 P 451
OAD 106 x 106

UA 6388 (MR)
SIDE RAIL
kg/m 1.022 P 243
OAD 101.43 x 45.34



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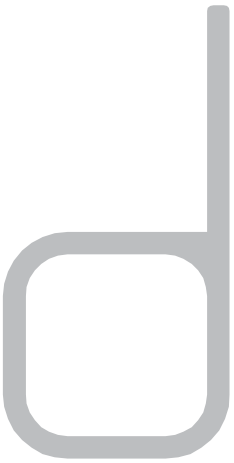
UA 1395



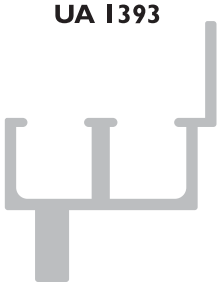
UA 1404



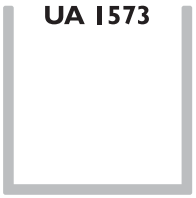
UA 6784



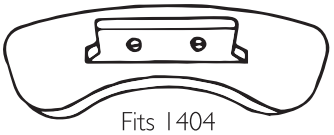
UA 1393



UA 1573



PLASTIC ROLLER DOOR GLIDE
Code: TRAROLLDOORGL



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

UA 1393
BUS WINDOW Bottom
kg/m 0.457 P 175
OAD 34.5 x 28

UA 1395
BUS WINDOW Top
kg/m 0.387 P 144
OAD 26 x 22

UA 1404
ROLLER SHUTTER
kg/m 0.394 P 162
OAD 58.85 x 11.3

UA 1573
ROLLER GLIDE CHANNEL
kg/m 0.273 P 148
OAD 25 x 25

UA 6784 (MR)
P-SECTION
kg/m 1.062 P 169
OAD 60 x 30

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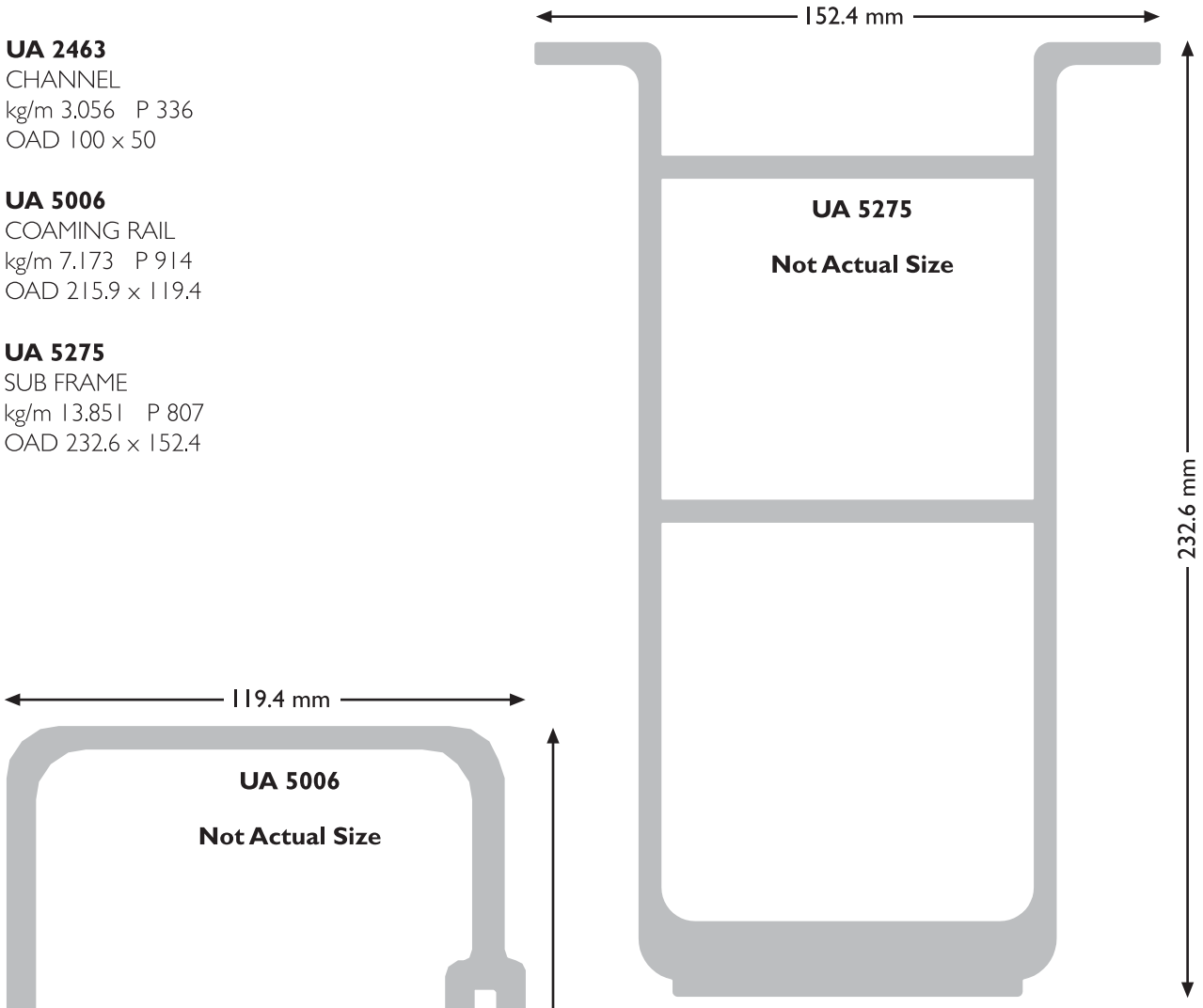
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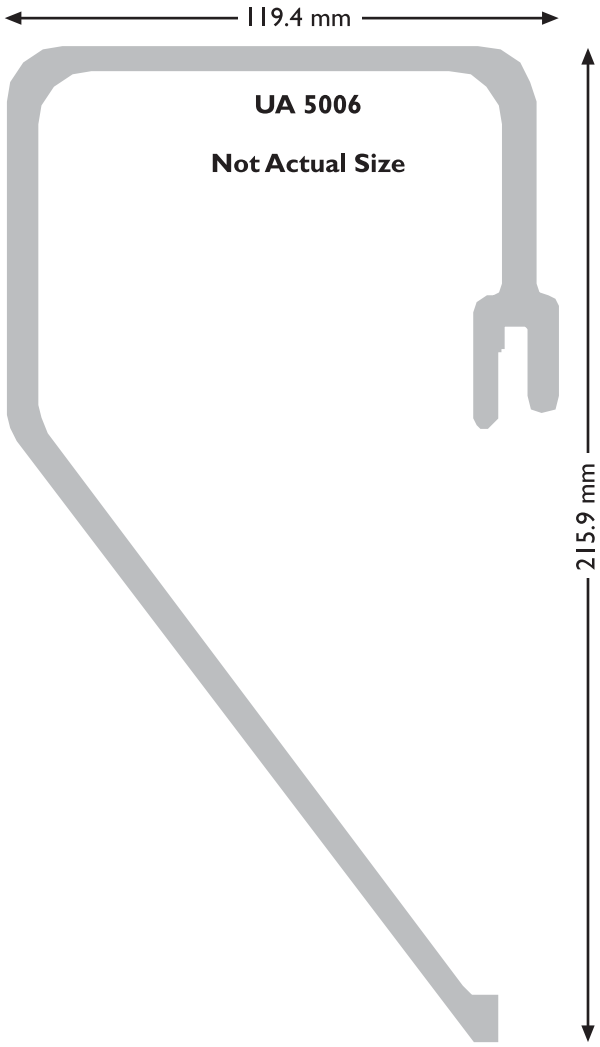
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UA 2463
CHANNEL
kg/m 3.056 P 336
OAD 100 x 50

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







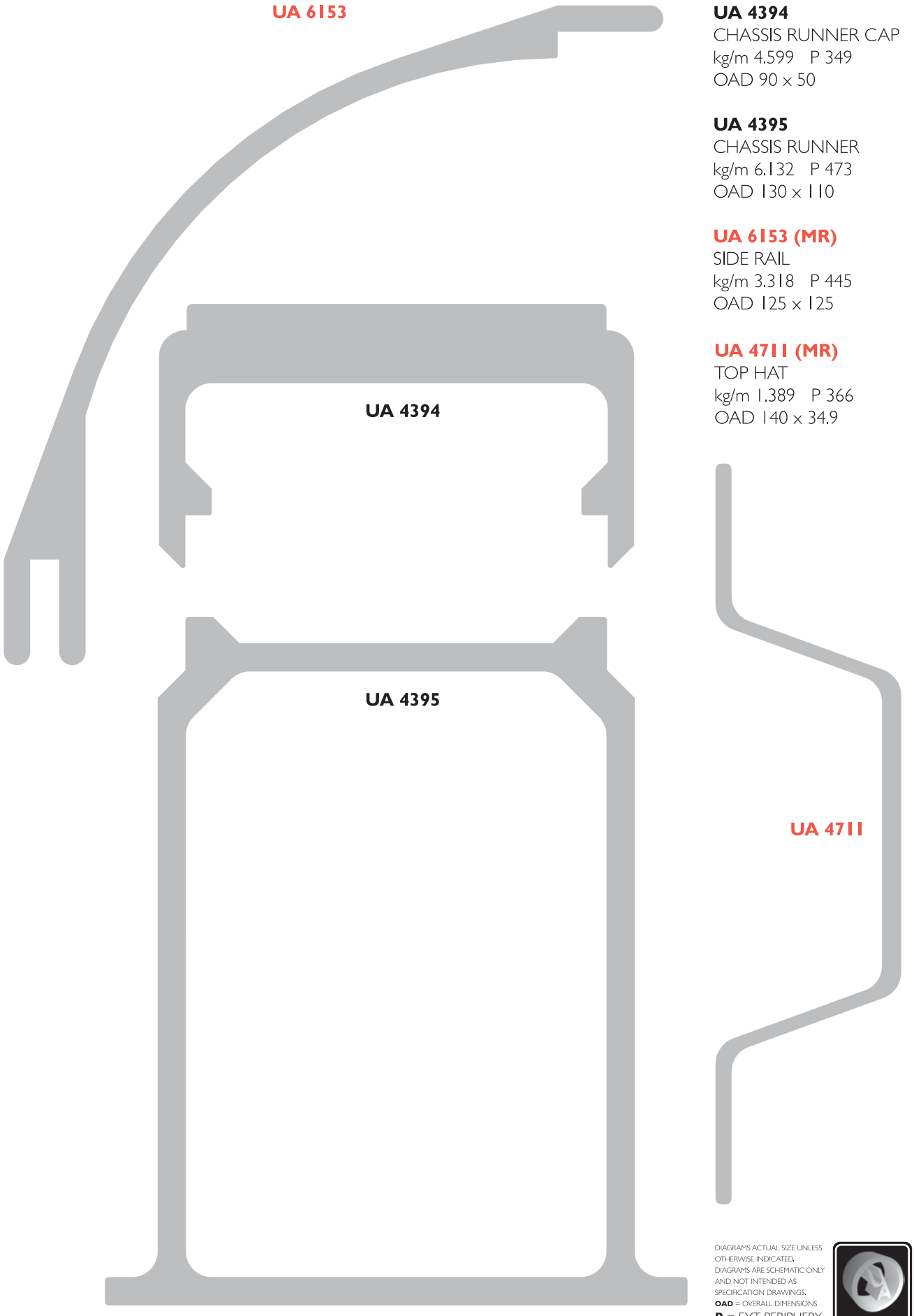
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UA 4394
CHASSIS RUNNER CAP
kg/m 4.599 P 349
OAD 90 x 50

UA 4395
CHASSIS RUNNER
kg/m 6.132 P 473
OAD 130 x 110

UA 6153 (MR)
SIDE RAIL
kg/m 3.318 P 445
OAD 125 x 125

UA 4711 (MR)
TOP HAT
kg/m 1.389 P 366
OAD 140 x 34.9

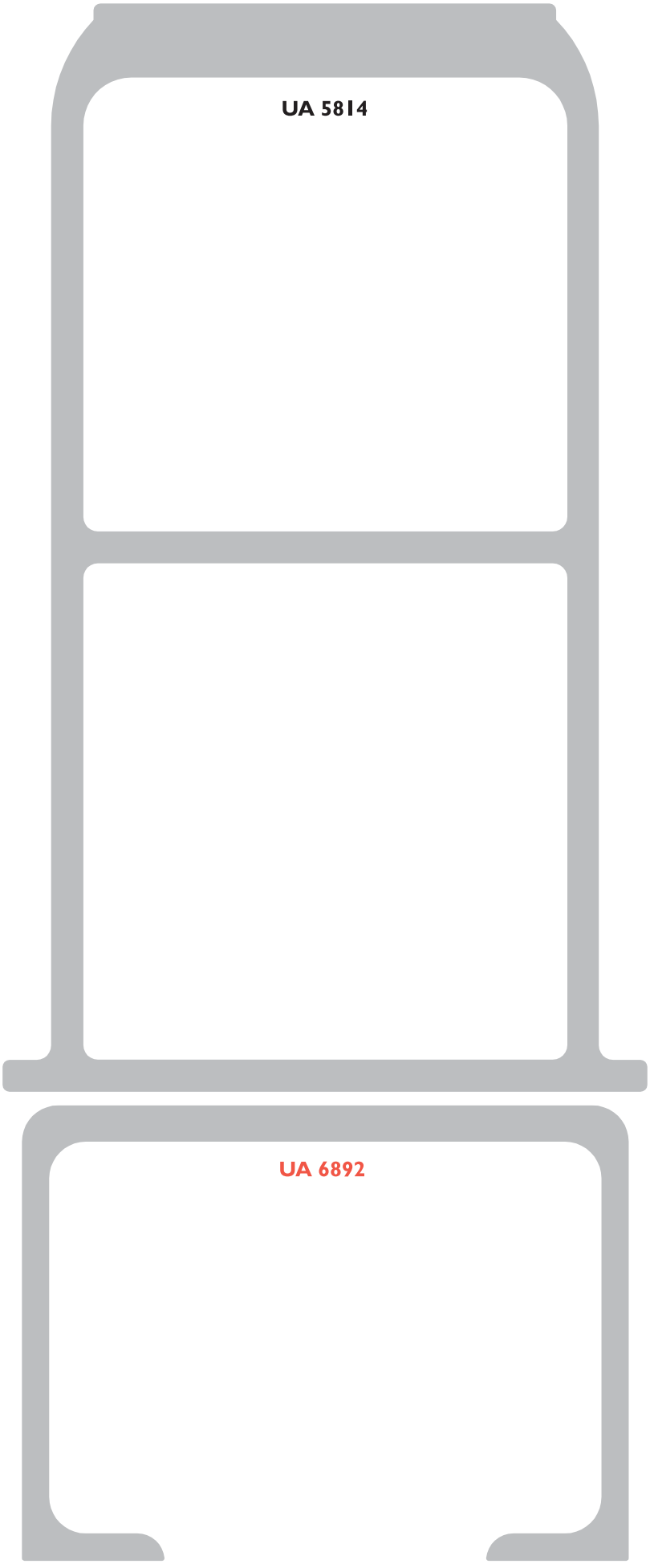
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UA 5814
TIPPER SUB FRAME
kg/m 9.596 P 555
OAD 179 x 106

UA 6892 (MR)
CHANNEL
kg/m 3.777 P 544
OAD 100 x 75



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DIE No	DESCRIPTION
UA 1623	1.6mm CAPPING
UA 1624	1.6mm JOINTER
UA 1451	3mm CAPPING
UA 1452	3mm JOINTER
UA 1453	3mm INT CORNER
UA 1454	3mm EXT CORNER
UA 3871	4.5mm AQUAPANEL CAP
UA 3872	4.5mm AQUAPANEL JOINTER
UA 3874	4.5mm AQUAPANEL INT JOINTER
UA 3873	4.5mm AQUAPANEL EXT JOINTER
UA 3875	4.5mm AQUAPANEL SCOTIA
UA 1455	5mm CAPPING
UA 1456	5mm JOINTER
UA 1457	5mm INT CORNER
UA 1458	5mm EXT CORNER
UA 1461	6.5mm CAPPING
UA 1460	6.5mm JOINTER
UA 1622	6.5mm INT CORNER
UA 1459	6.5mm EXT CORNER
UA 4405	10mm CAPPING
UA 4406	10mm JOINTER
UA 4408	10mm INT CORNER
UA 4407	10mm EXT CORNER
UA 3467	12mm JOINTER OFFSET
UA 4412	13mm CAPPING
UA 7829	13mm JOINTER
UA 7827	13mm INT CORNER
UA 7828	13mm EXT CORNER
UA 4413	13mm JOINTER
UA 4414	13mm SERRATED CAP
UA 4409	13mm SERRATED JOINTER
UA 4411	13mm SERRATED INT CORNER
UA 4410	13mm SERRATED EXT CORNER
UA 1627	14.5mm CAPPING
UA 1628	14.5mm JOINTER
UA 3403	18mm CAPPING
UA 1629	18.5mm JOINTER
UA 1922	20mm CAPPING
UA 3404	22mm CAPPING
UA 6887	23mm EXT CORNER
UA 1472	VARIABLE JOINTER
UA 1473	PARTITION JOINTER

NOTE: RED INDICATES

= MILL RUN ONLY = NON-STOCKED ITEM

MINIMUM ORDER QUANTITY 200KG

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WALLBOARD 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
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 P103
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** **UA 1455**



UA 1461 **UA 4405** **UA 4412** **UA 4414**



UA 1627 **UA 3403**



UA 1922 **UA 3404**



UA 3404
22mm CAPPING
kg/m 0.176 P 111
OAD 24.8 x 21.2

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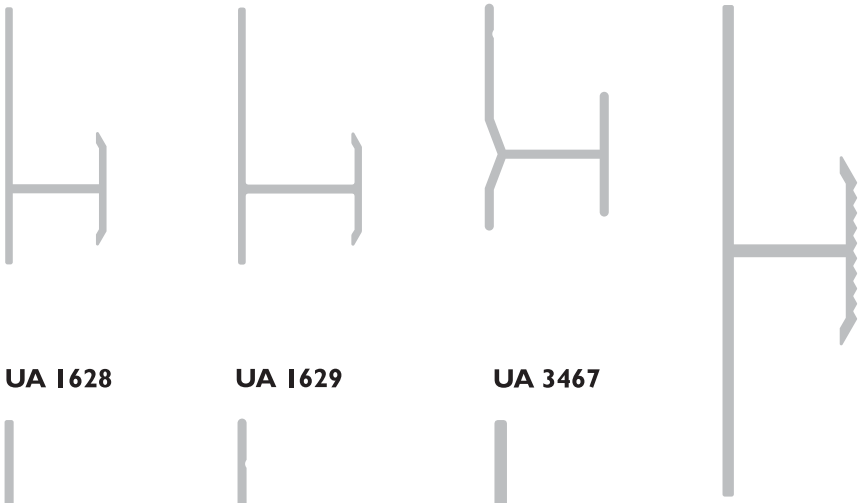
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UA 1624 UA 1452 UA 3872 UA 1456 UA 1460



UA 4406 UA 7829 UA 4413 UA 4409



UA 1628 UA 1629 UA 3467



UA 1472



UA 1473



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 3872
4.5mm AQUAPANEL JOINTER
kg/m 0.187 P 124
OAD 36 x 7.1

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 3467
12mm JOINTER OFFSET
kg/m 0.376 P 202
OAD 70 x 16.3

UA 7829
13mm JOINTER
kg/m 0.177 P 127
OAD 34 x 16.4

UA 4413
13mm JOINTER
kg/m 0.191 P 120
OAD 30 x 16.4

UA 1629
18.5mm JOINTER
kg/m 0.275 P 165
OAD 44 x 22

UA 1472 (MR)
VARIABLE JOINTER
kg/m 0.099 P 68
OAD 25 x 4.5 Infill 11

UA 1473
PARTITION JOINTER
kg/m 0.416 P 124
OAD 46 x 9 Infill 633

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

INFILLS SOLD SEPARATELY

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WALLBOARD INTERNAL CORNERS

UA 1453
3mm INT CORNER
kg/m 0.143 P 108
OAD 23 x 17.5

UA 3874
4.5mm INT AQUAPANEL
kg/m 0.215 P 134
OAD 24.1 x 24.1

UA 3875
4.5mm AQUAPANEL SCOTIA
kg/m 0.138 P 86
OAD 18.4 x 15.1

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 7827 (MR)
13mm INT CORNER
kg/m 0.464 P 228
OAD 48 x 38.5

UA 4411
13mm INT SERRATED
kg/m 0.453 P 230
OAD 48 x 38.5

UA 1453



UA 3874



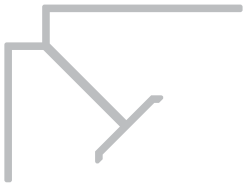
UA 1457



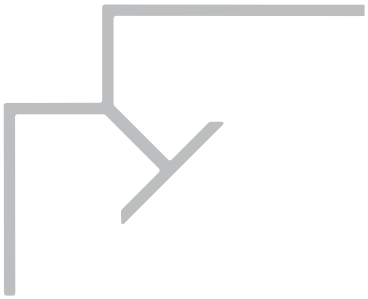
UA 1622



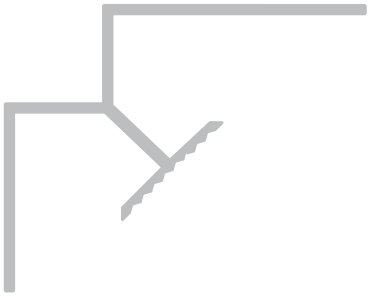
UA 4408



UA 7827



UA 4411



UA 3875



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UA 1454



UA 3873



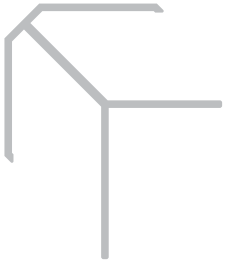
UA 1458



UA 1459



UA 4407



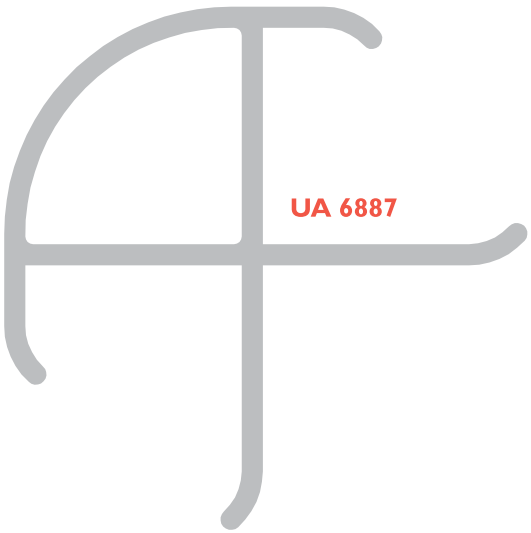
UA 7828



UA 4410



UA 6887



UA 1454
3mm EXT CORNER
kg/m 0.129 P 97
OAD 19 x 16.6

UA 3873
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 7828 (MR)
13mm EXT CORNER
kg/m 0.465 P 229
OAD 42.9 x 38.7

UA 4410
13mm EXT SERRATED
kg/m 0.437 P 232
OAD 42.18 x 38.70

UA 6887 (MR)
23mm EXT CORNER
kg/m 1.641 P 329
OAD 69.2 x 69.2

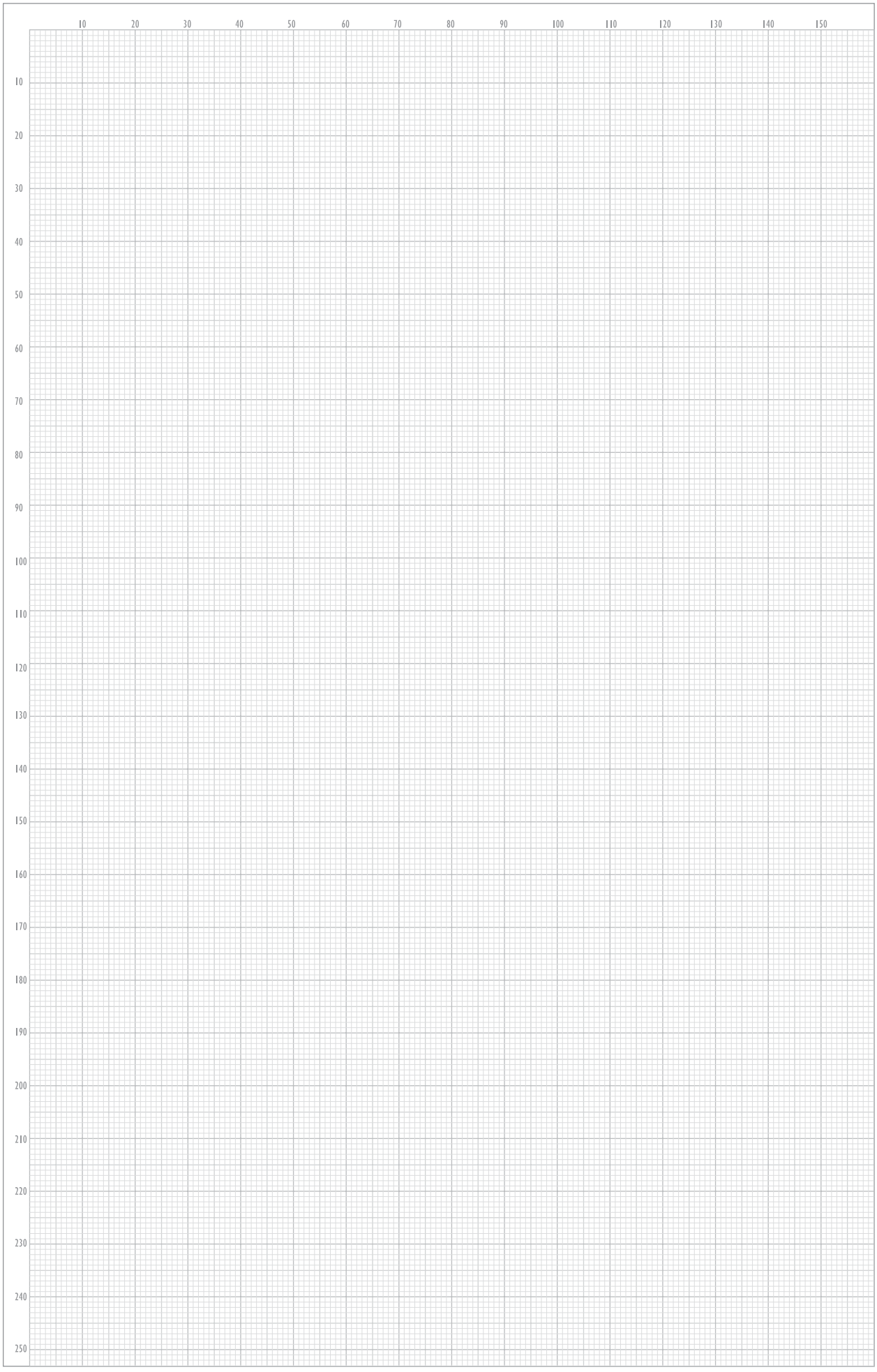
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PLANNING GRID AND NOTES



DIE No	DESCRIPTION
UA 1513	STAKE
UA 1642	SQUARE HOLLOW
UA 5633	STAKE
UA 7948	4mm SIGN PANEL CAP
UA 7949	4mm SIGN PANEL JOINTER
UA 7950	4mm SIGN PANEL INT CORNER
UA 7951	4mm SIGN PANEL EXT CORNER
UA 7988	4mm SIGN PANEL ANGLE CHANNEL
UA 7989	4mm SIGN PANEL TEE CHANNEL
UA 7990	4mm SIGN PANEL FRAME
UA 7991	4mm SIGN PANEL BOX FRAME

NOTE: RED INDICATES

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4mm SIGN PANEL

UA 1513
STAKE (green) fits 7988, 7989
kg/m 1.416 P 196
OAD 50 x 50

UA 1642
SQUARE HOLLOW
kg/m 0.313 P 102
OAD 25.4 x 25.4

UA 5633
STAKE (yellow) fits 7990
kg/m 1.725 P 352
OAD 50 x 49.5

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

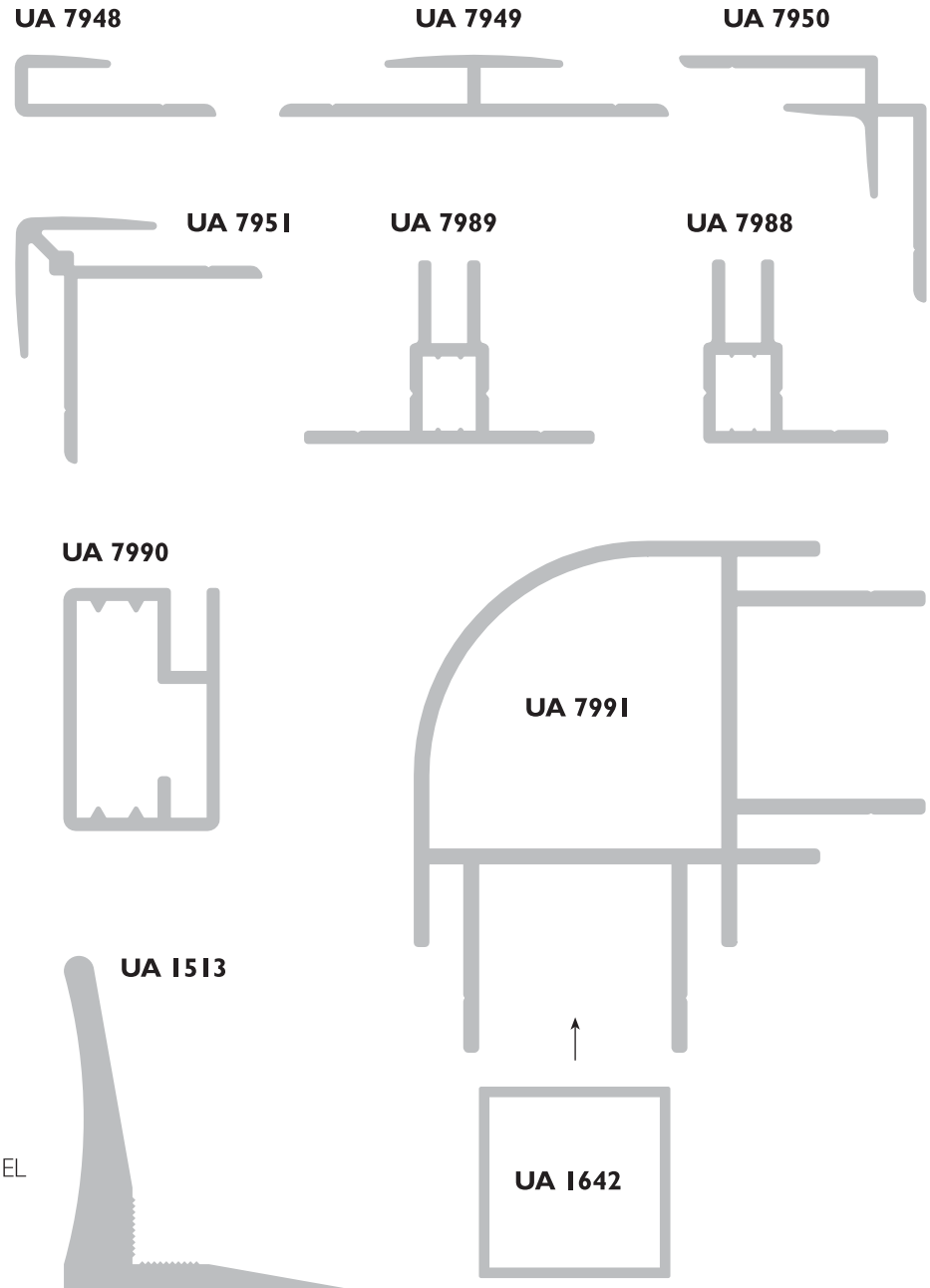
UA 7951
4mm SIGN PANEL EXT CORNER
kg/m 0.366 P 184
OAD 32.56 x 32.56

UA 7988
4mm SIGN PANEL ANGLE CHANNEL
kg/m 0.311 P 118
OAD 24.3 x 24.1

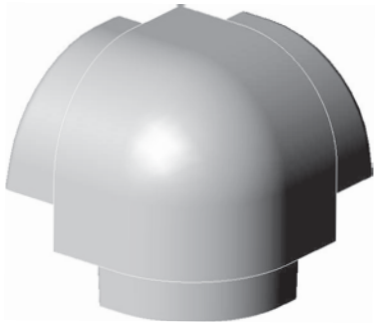
UA 7989
4mm SIGN PANEL TEE CHANNEL
kg/m 0.367 P 146
OAD 38.3 x 24.1

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



UC1508 CAST BOX CORNER
Fits UA 7991



ULLRICH ALUMINIUM

DIAGRAMS ACTUAL SIZE UNLESS OTHERWISE INDICATED.
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OAD = OVERALL DIMENSIONS
P = EXT PERIPHERY

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Edition 18 - 2021

MR = MILL RUN ONLY • NON-STOCKED ITEM • MINIMUM ORDER 200KG
NOTE: Not all products are available ex-stock, check with your local branch for advice on availability.

DIE No	DESCRIPTION
UA 1310	WOOLPILE DOOR STOP
UA 1374	SECURAMESH CHANNEL
UA 1375	SECURAMESH FIX FRAME
UA 1376	SECURAMESH FIX FRAME
UA 1377	DOOR FRAME
UA 1379	STAKE
UA 1387	MESH WINDOW FRAME
UA 1609	ADJUSTER CHANNEL
UA 1649	SEC JAMB FIX
UA 1738	DOOR FRAME
UA 1864	STAKE
UA 1942	SLIDING TRACK
UA 1943	SLIDING TRACK
UA 2985	JAMB EXTENSION
UA 3592	MESH WINDOW FRAME
UA 3614	ADJUSTER CHANNEL
UA 3929	JOINTER
UA 4077	SECURAMESH CHANNEL
UA 4111	TRACK FRAME
UA 4112	DOOR FRAME
UA 5563	STAKE
UA 5632	JAMB EXTENSION
UA 5655	DOOR FRAME
UA 5971	STAKE
UA 6836	DOOR TRACK
UA 7007	SECURITY JOINTER
UA 7008	SECURITY FRAME
UA 7710	SEC DOUBLE SLIDING TRACK
UA 7715	SEC DOUBLE DOOR CATCH
UA 8370	STAKE
UA 10061	ULLTRASAFE DOOR FRAME
UA 10062	ULLTRASAFE DOOR BEAD
UA 10063	ULLTRASAFE WINDOW FRAME
UA 10064	ULLTRASAFE WINDOW BEAD

NOTE: RED INDICATES

= MILL RUN ONLY = NON-STOCKED ITEM

MINIMUM ORDER QUANTITY 200KG

CONTACT YOUR LOCAL BRANCH TO ENQUIRE

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UA 1374
SECURAMESH CHANNEL
kg/m 0.151 P 76
OAD 15 x 10

UA 1375
SECURAMESH FIX FRAME
kg/m 0.269 P 142
OAD 38 x 10

UA 1376
SECURAMESH FIX FRAME
kg/m 0.257 P 129
OAD 28 x 10.9

UA 1377
DOOR FRAME
kg/m 0.715 P 240
OAD 72 x 20

UA 1387
MESH WINDOW FRAME
kg/m 0.283 P 126
OAD 33.5 x 10.5

UA 1609
ADJUSTER CHANNEL
kg/m 0.149 P 85
OAD 14.5 x 14.5

UA 1738
DOOR FRAME
kg/m 0.581 P 237
OAD 69.5 x 20

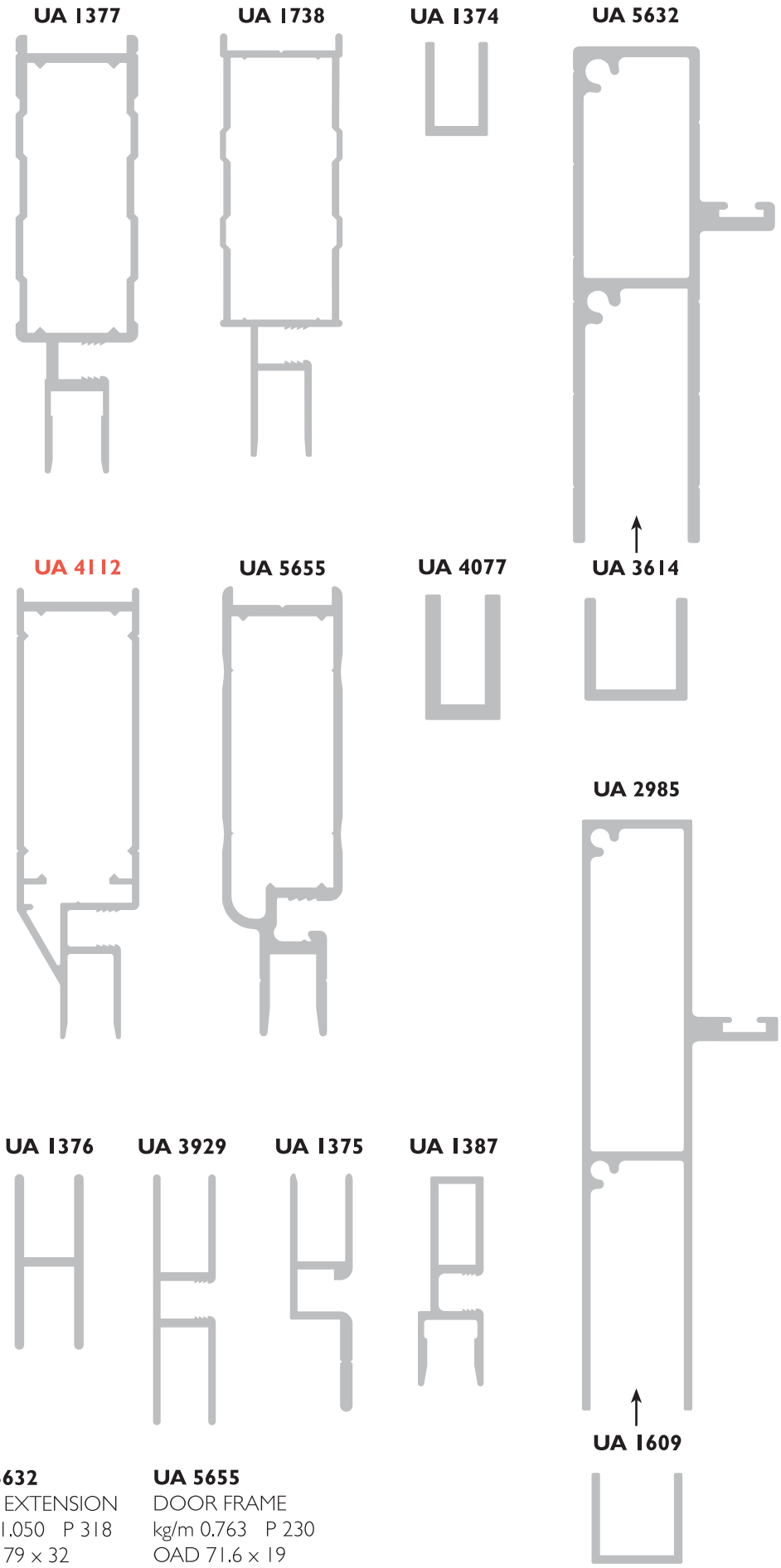
UA 2985
JAMB EXTENSION
kg/m 1.011 P 353
OAD 97 x 32

UA 3614
ADJUSTER CHANNEL
kg/m 0.196 P 94
OAD 16.2 x 16.2

UA 3929
JOINTER
kg/m 0.301 P 182
OAD 40 x 10

UA 4077
SECURAMESH CHANNEL
kg/m 0.317 P 99
OAD 20 x 12

UA 4112 (MR)
DOOR FRAME
kg/m 0.681 P 233
OAD 74.1 x 20



UA 5632
JAMB EXTENSION
kg/m 1.050 P 318
OAD 79 x 32

UA 5655
DOOR FRAME
kg/m 0.763 P 230
OAD 71.6 x 19

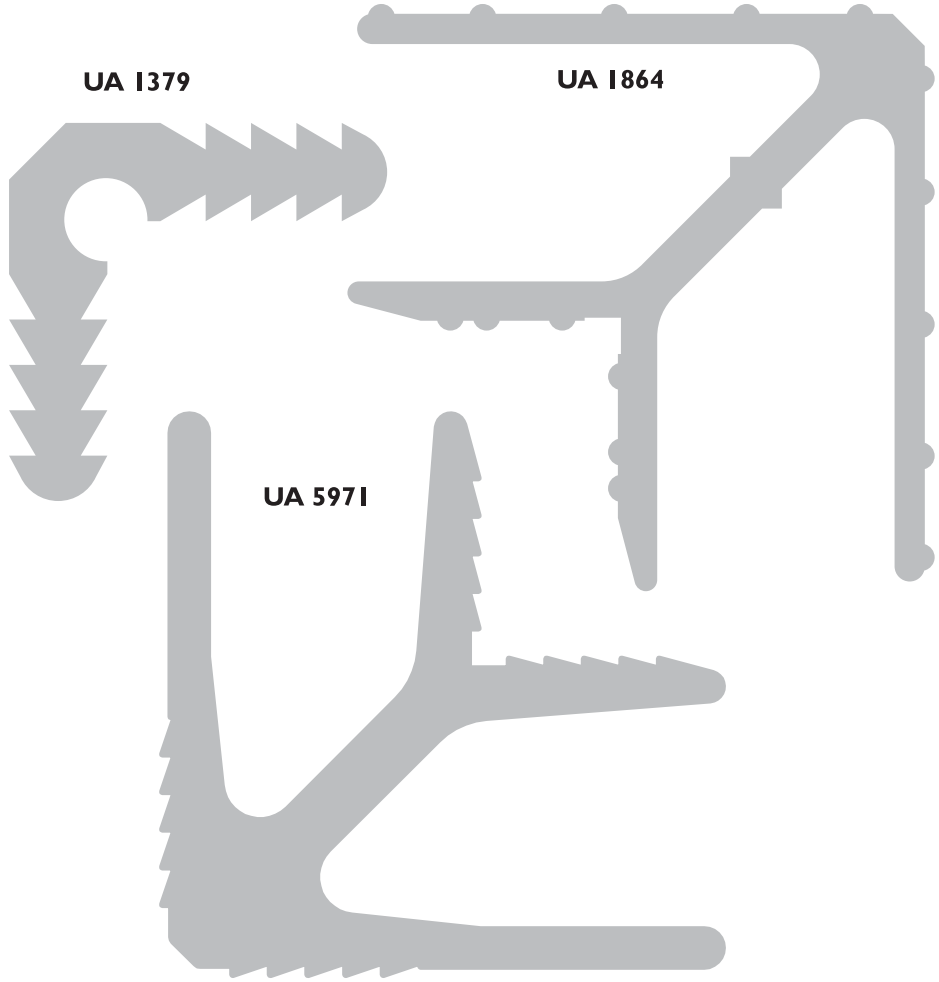
DIAGRAMS ACTUAL SIZE UNLESS OTHERWISE INDICATED.
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UA 1310
WOOLPILE DOOR STOP
kg/m 0.145 P 75
OAD 18 x 13

UA 1379
STAKE (blue) fits 1387,1649
STAKE (red) fits 3592
STAKE (white) fits 7008
kg/m 2.227 P 264
OAD 50 x 50

UA 1649
SEC JAMB FIX
kg/m 0.399 P 189
OAD 42 x 33.5

UA 1864
STAKE (black) fits 1377, 1738, 4112
kg/m 3.536 P 527
OAD 104.5 x 77.5

UA 3592
MESH WINDOW FRAME
kg/m 0.371 P 146
OAD 36.7 x 10.7

UA 5971
STAKE (orange) fits 5655
kg/m 4.524 P 497
OAD 74.9 x 74.9

UA 7007
SECURITY JOINTER
kg/m 0.473 P 213
OAD 47 x 10.8

UA 7008
SECURITY FRAME
kg/m 0.444 P 144
OAD 40.25 x 10.8

UA 3592



UA 1649



UA 7008



UA 7007



UA 1310



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UA 1942
SEC SLIDING TRACK
kg/m 0.773 P 298
OAD 41.5 x 41

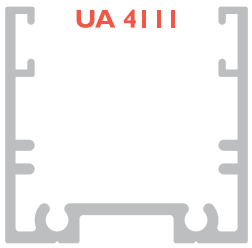
UA 1943
SEC SLIDING TRACK
kg/m 0.468 P 212
OAD 32 x 31

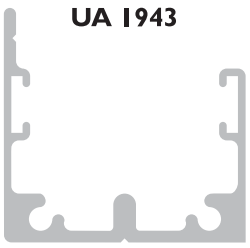
UA 4111 (MR)
TRACK FRAME
kg/m 0.537 P 265
OAD 33 x 32

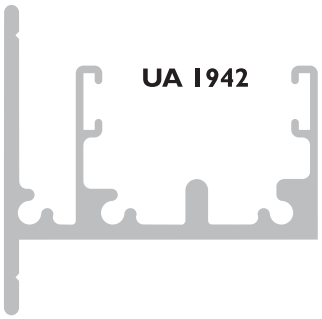
UA 6836
DOOR TRACK
kg/m 0.477 P 216
OAD 33 x 32

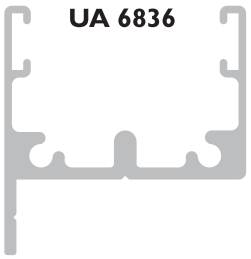
UA 7710
SEC DOUBLE SLIDING TRACK
kg/m 1.373 P 465
OAD 82.3 x 41

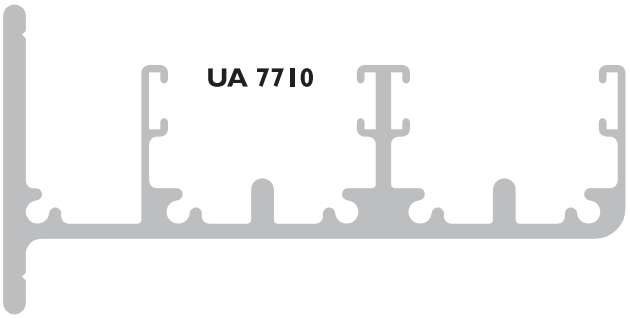
UA 7715
SEC DOUBLE DOOR CATCH
kg/m 0.103 P 58
OAD 21.8 x 8













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UA 10855



UA 10062



UA 10063



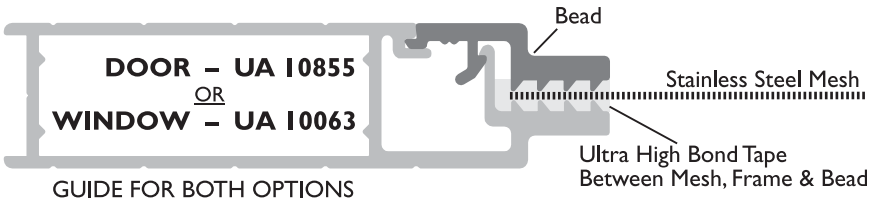
UA 10064





ULTRA HIGH BOND TAPE
Code: 2045R-U-012

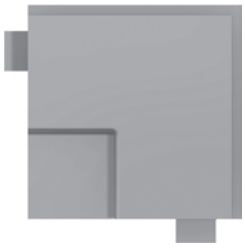
FABRICATION GUIDE



GUIDE FOR BOTH OPTIONS

Note: To comply with AS5039 the door must be manufactured as shown.

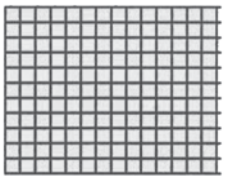
BLACK PLASTIC INTERNAL BEAD CORNERS



DOOR CORNER
Fits 10062
Code: SECUSUA40BLK

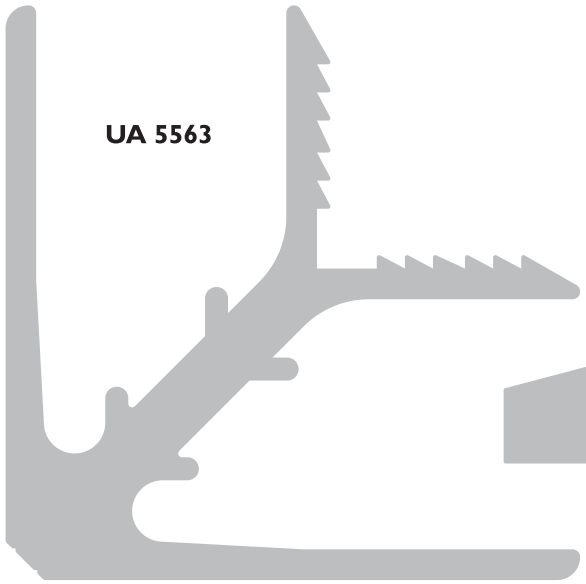


WINDOW CORNER
Fits 10064
Code: SECUSUA20BLK

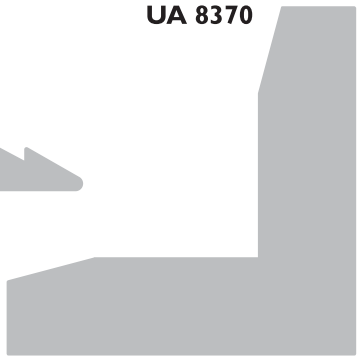


STAINLESS STEEL MESH
GRADE 316, 0.8mm

UA 5563



UA 8370



UA 5563
STAKE fits 10061
kg/m 3.802 P 537
OAD 74.9 x 74.9

UA 8370
STAKE fits 10063
kg/m 2.490 P 173
OAD 44.45 x 44.45

UA 10062
ULLTRASAFE DOOR BEAD
kg/m 0.248 P 92
OAD 26.95 x 8.78

UA 10063
ULLTRASAFE WINDOW FRAME
kg/m 0.424 P 144
OAD 43.8 x 11

UA 10064
ULLTRASAFE WINDOW BEAD
kg/m 0.206 P 86
OAD 26.95 x 7.73

UA 10855
ULLTRASAFE DOOR FRAME
kg/m 0.823 P 266
OAD 79.9 x 19

PLEASE NOTE:
An ULLTRASAFE Assembly Machine is recommended for fabrication.
Please consult with your nearest Ullrich Branch.

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COMMERCIAL APPLICATIONS

For security doors, windows and partitions in workplaces, storage areas and public buildings, where intrusion of insects is detrimental to comfort and hygiene and where natural airflow is desirable:

Kitchens and food preparation areas
Garden restaurants, patio bars and cafés
Hotel and motel dining and accommodation rooms
Factory cafeterias
Hospitals and medical facilities
Food processing plants and storage areas
Food retail outlets
Roll curtains for tent manufacturing (fibreglass mesh)

DOMESTIC APPLICATIONS

All dwelling apertures or partitions where intrusion of insects is detrimental to living comfort and hygiene, and where natural airflow is desirable:

Main entrances
Kitchens
Dining rooms
Living rooms and bedrooms
Breeze-ways
Conservatories
Summer houses
Covered decks and patios
Pergola walls







MATERIALS	COLOURS	ROLL WIDTHS	MESH SIZES
Aluminium	Black painted Silver treated	810 mm 910 mm 1070 mm 1220 mm 1520 mm 1830 mm	18 x 16TPI x 0.011"
Fibreglass	Black Grey	810 mm 910 mm 1070 mm 1220 mm 1520 mm 1830 mm	18 x 16TPI x 0.011"

ROLL LENGTHS

Standard 30-metre rolls, individually wrapped.

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DIE No	DESCRIPTION
UA 1054	WINDOW FRAME
UA 1355	11.8mm BOTTOM CHANNEL
UA 1379	STAKING ANGLE
UA 1380	HANDLE
UA 1381	VISION RAIL
UA 1382	VISION RAIL
UA 1383	10mm BOTTOM CHANNEL
UA 1384	10mm TOP CHANNEL
UA 1385	DOOR FRAME
UA 1386	WINDOW FRAME
UA 1388	DOOR FRAME
UA 1389	WINDOW SECTION
UA 1513	STAKING ANGLE
UA 1609	11.8mm TOP CHANNEL
UA 1610	WINDOW FRAME
UA 1611	DOOR FRAME
UA 5526	SLIDING DOOR CHANNEL
UA 5534	DOUBLE BOTTOM TRACK
UA 5537	DOUBLE TOP TRACK
UA 5633	STAKING ANGLE
UA 5634	VISION RAIL
UA 5635	STAKING ANGLE
UA 5636	DOOR FRAME
UA 5637	WINDOW SECTION
UA 5638	WINDOW SECTION
UA 5699	WINDOW TRACK
UA 6246	WINDOW FRAME

NOTE: RED INDICATES

= MILL RUN ONLY = NON-STOCKED ITEM

MINIMUM ORDER QUANTITY 200KG

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UA 1054
WINDOW FRAME
kg/m 0.331 P 124
OAD 34 x 21

UA 1355
11.8mm BOTTOM CHANNEL (old)
kg/m 0.136 P 67
OAD 14.5 x 8.5

UA 1379
STAKE (gold) fits 1385,1386
kg/m 2.227 P 264
OAD 50 x 50

UA 1385
DOOR FRAME
kg/m 0.278 P 104
OAD 30 x 8.5

UA 1386
WINDOW FRAME
kg/m 0.237 P 95
OAD 25.5 x 8.5

UA 1388
DOOR FRAME
kg/m 0.318 P 109
OAD 38 x 10

UA 1389
WINDOW SECTION
kg/m 0.234 P 76
OAD 22.4 x 10

UA 1513
STAKE (green) fits1054,1389,1610
kg/m 1.416 P 196
OAD 50 x 50

UA 1609
11.8mm TOP CHANNEL (old)
kg/m 0.149 P 85
OAD 14.5 x 14.5

UA 1610
WINDOW FRAME
kg/m 0.235 P 77
OAD 21.1 x 10.3

UA 1611
DOOR FRAME
kg/m 0.367 P 111
OAD 37.4 x 10.3

UA 5636
DOOR FRAME
kg/m 0.499 P 142
OAD 40 x 17

UA 5637
WINDOW SECTION
kg/m 0.251 P 96
OAD 25 x 11

UA 5638
WINDOW SECTION
kg/m 0.256 P 103
OAD 27.6 x 11

UA 1385



UA 1386



UA 1389



UA 1610



UA 1611



UA 1388



UA 1054



UA 1609



UA 1355



UA 5636



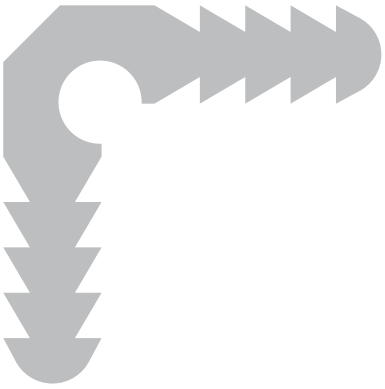
UA 5637



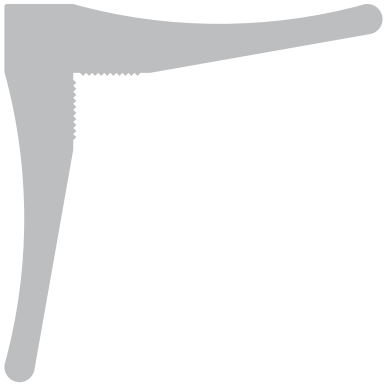
UA 5638



UA 1379



UA 1513



CORNER STAKE - PLASTIC
Fits 1388,1611
Code: FLYSTAKE

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UA 1384



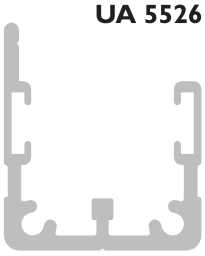
UA 1383



UA 1380



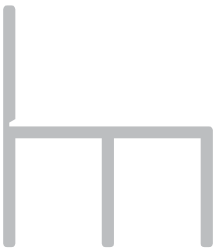
UA 5526



UA 5534



UA 5537



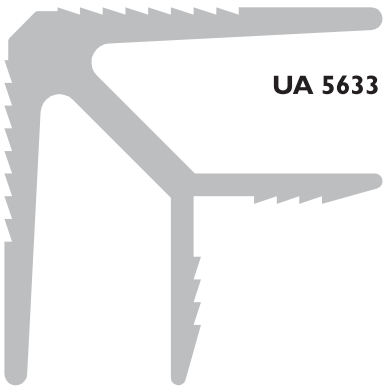
UA 5699



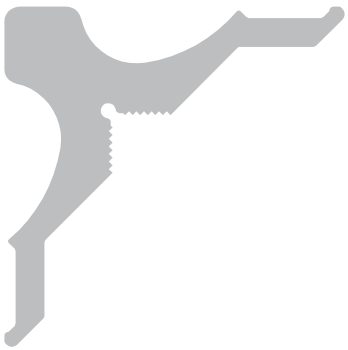
UA 6246



UA 5633



UA 5635



CORNER STAKE - PLASTIC



Fits 6246
Code: CS3

UA 1380
HANDLE
kg/m 0.139 P 86
OAD 24 x 18.5

UA 1383
10mm BOTTOM CHANNEL
kg/m 0.093 P 58
OAD 12.5 x 9

UA 1384
10mm TOP CHANNEL
kg/m 0.120 P 74
OAD 13 x 12.5

UA 5526
SLIDING DOOR CHANNEL
kg/m 0.468 P 200
OAD 30.15 x 26.1

UA 5534 (MR)
DOUBLE BOTTOM TRACK fits 1610
kg/m 0.297 P 145
OAD 27.7 x 24.5

UA 5537 (MR)
DOUBLE TOP TRACK fits 1610
kg/m 0.373 P 177
OAD 32 x 27.7

UA 5633
STAKE (yellow) fits 5636
kg/m 1.725 P 352
OAD 50 x 50

UA 5635
STAKE (brown) fits 5637
STAKE (purple) fits 5638
kg/m 1.256 P 186
OAD 45 x 45

UA 5699
WINDOW TRACK
kg/m 0.209 P 99
OAD 24 x 16

UA 6246 (MR)
WINDOW FRAME
kg/m 0.231 P 88
OAD 25 x 11

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UA 1381
VISION RAIL
kg/m 0.730 P 320
OAD 120.3 x 11.5

UA 1382
VISION RAIL
kg/m 0.361 P 200
OAD 60 x 11.4

UA 5634
VISION RAIL
kg/m 0.568 P 250
OAD 90 x 11.5

UA 1382



UA 1381



UA 5634



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DIE No	DESCRIPTION
UA 1065	BLADE
UA 1089	BLADE
UA 1368	BLADE
UA 1572	BLADE
UA 1661	BLADE
UA 2879	BLADE
UA 2885	FRAME
UA 3101	BLADE
UA 3102	BLADE
UA 3164	BLADE
UA 3431	FRAME
UA 3442	WEATHER BAR
UA 4133	CHANNEL
UA 4134	CHANNEL LID
UA 4203	SILL WEATHER BAR
UA 4204	HEAD WEATHER BAR
UA 4205	EXTENSION
UA 4206	FINNED JOINTER
UA 4230	TORSION BAR
UA 4231	BLADE
UA 5018	BLADE
UA 5022	FIXED BLADE
UA 5032	BRACKET
UA 5033	SUN BLADE
UA 5234	STORM LOUVRE
UA 5354	BLADE
UA 5355	BRACKET
UA 5442	FRAME
UA 5535	MULLION CLIP
UA 5536	MULLION
UA 5545	BLADE
UA 5546	FIXED BLADE
UA 5626	BLADE
UA 5768	BLADE
UA 6401	BLADE
UA 6430	65mm 2-PIECE SQUARE
UA 6526	BLADE
UA 6758	BLADE
UA 6856	BLADE PANEL
UA 6860	BLADE
UA 6876	BLADE
UA 7198	BLADE
UA 7425	BLADE
UA 7452	BLADE
UA 7461	BRACKET
UA 7613	BLADE PANEL
UA 7694	BLADE PANEL
UA 7773	BLADE PANEL
UA 7774	BLADE CHANNEL
UA 7788	BLADE PANEL

NOTE: RED INDICATES

= MILL RUN ONLY = NON-STOCKED ITEM

MINIMUM ORDER QUANTITY 200KG

CONTACT YOUR LOCAL BRANCH TO ENQUIRE

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DIAGRAMS ACTUAL SIZE UNLESS OTHERWISE INDICATED, DIAGRAMS ARE SCHEMATIC ONLY AND NOT INTENDED AS SPECIFICATION DRAWINGS.
OAD = OVERALL DIMENSIONS
P = EXT PERIPHERY

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UA 1065
37mm BLADE
kg/m 0.209 P 110
OAD 37 x 18

UA 1368
38mm BLADE fits 2885
kg/m 0.510 P 200
OAD 72 x 38

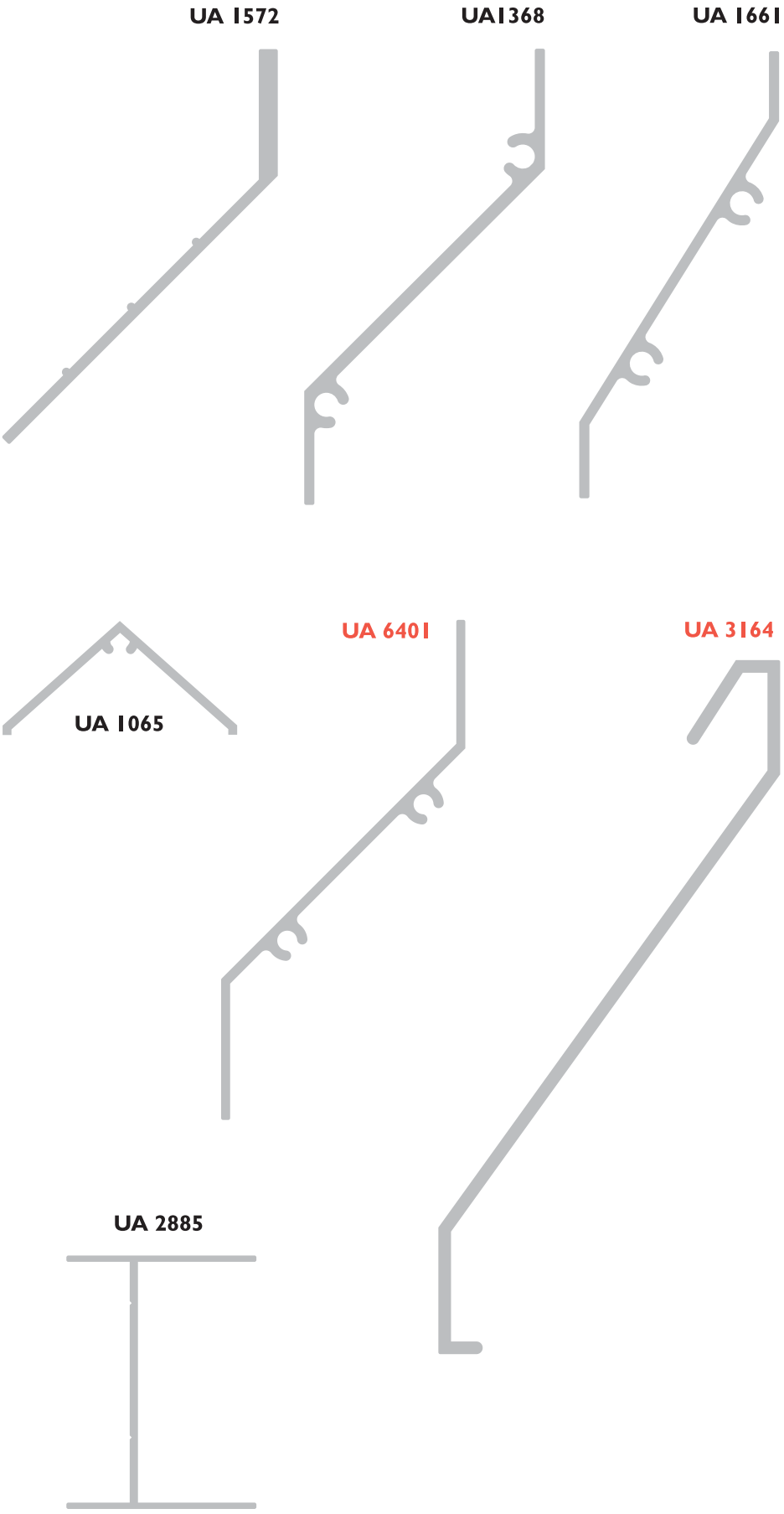
UA 1572
BLADE fits 4635
kg/m 0.440 P 165
OAD 62.3 x 43.5

UA 1661
31.8mm BLADE fits 1655
kg/m 0.446 P 192
OAD 32 x 71

UA 2885
38mm FRAME
kg/m 0.296 P 197
OAD 40 x 30

UA 3164 (MR)
54mm BLADE
kg/m 0.810 P 303
OAD 109.6 x 54

UA 6401 (MR)
38mm BLADE
kg/m 0.439 P 214
OAD 77.8 x 38



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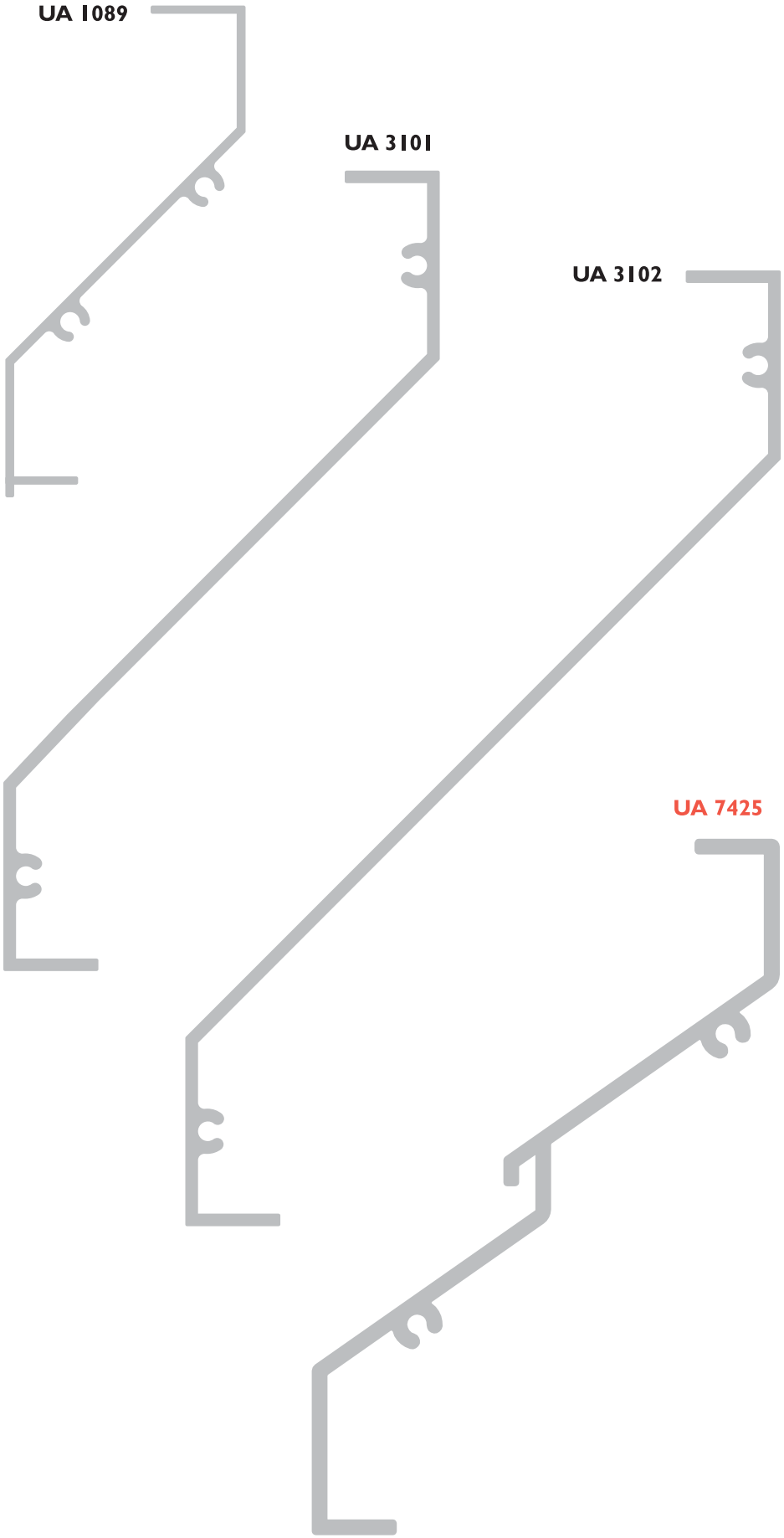
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Edition 18 - 2021

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NOTE: Not all products are available ex-stock, check with your local branch for advice on availability.



UA 1089
38mm BLADE fits 2885
kg/m 0.522 P 261
OAD 78 x 38

UA 3101
69mm BLADE fits 1671
kg/m 0.961 P 390
OAD 126.5 x 69

UA 3102
94mm BLADE fits 1135
kg/m 1.256 P 460
OAD 151 x 94

UA 7425 (MR)
73.8mm BLADE
kg/m 1.061 P 389
OAD 110 x 73.8

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UA 5354
BLADE
kg/m 1.536 P 232
OAD 110 x 22.55
Box Cavity takes 1273
Cast End Cap UC1989

UA 5355
BRACKET fits 5354, 6758
kg/m 0.585 P 178
OAD 64 x 22

UA 6430 (MR)
65 x 65mm 2-PIECE SQUARE
kg/m 1.257 P 349
OAD 65 x 61.15

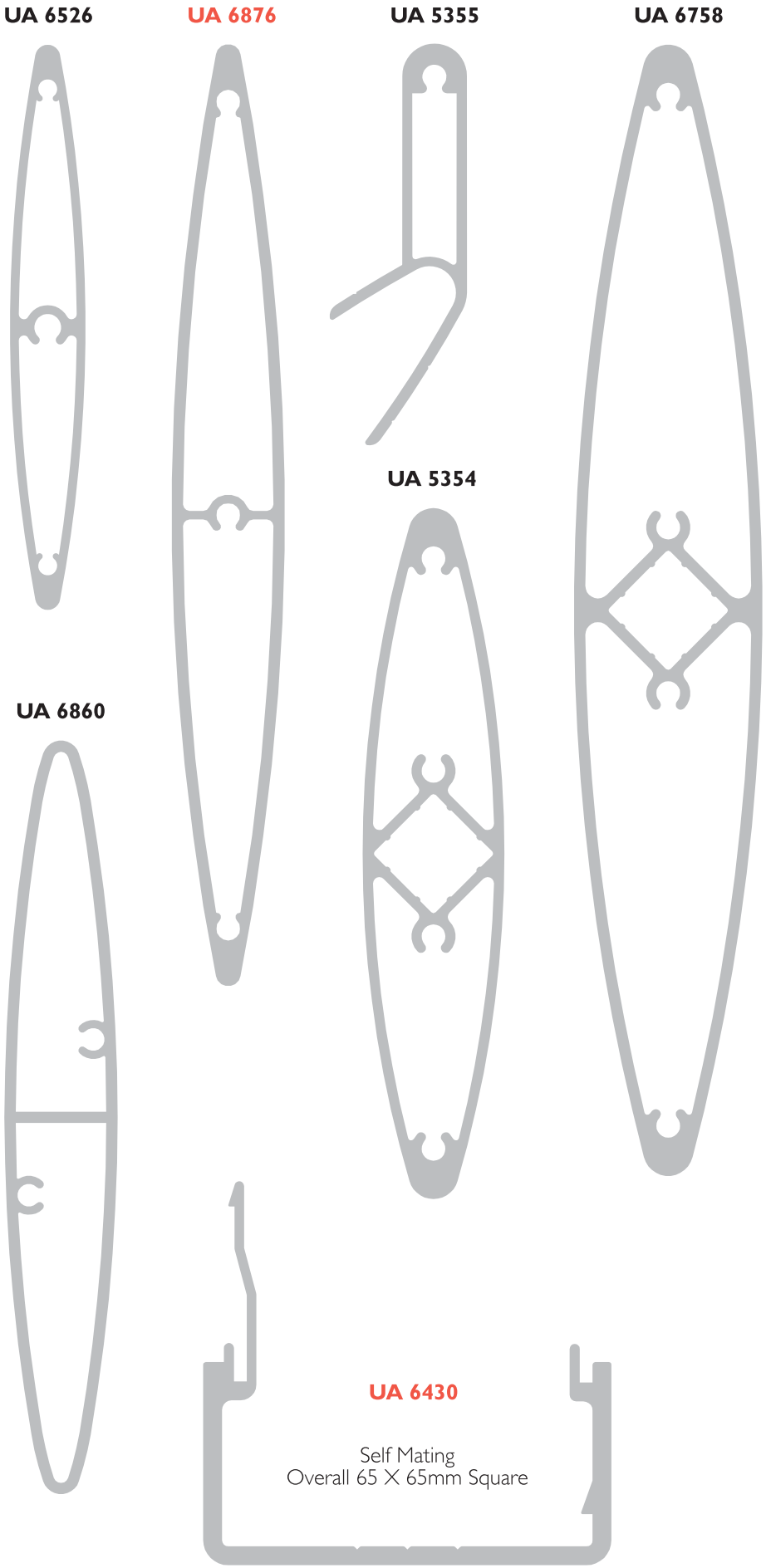
UA 6526
BLADE
kg/m 0.808 P 186
OAD 89.8 x 12

UA 6758
BLADE
kg/m 2.412 P 373
OAD 180 x 30
Box Cavity takes 1273
Cast End Cap UC1500

UA 6860
BLADE
kg/m 1.315 P 249
OAD 120 x 18

UA 6876 (MR)
BLADE
kg/m 1.588 P 307
OAD 150 x 18

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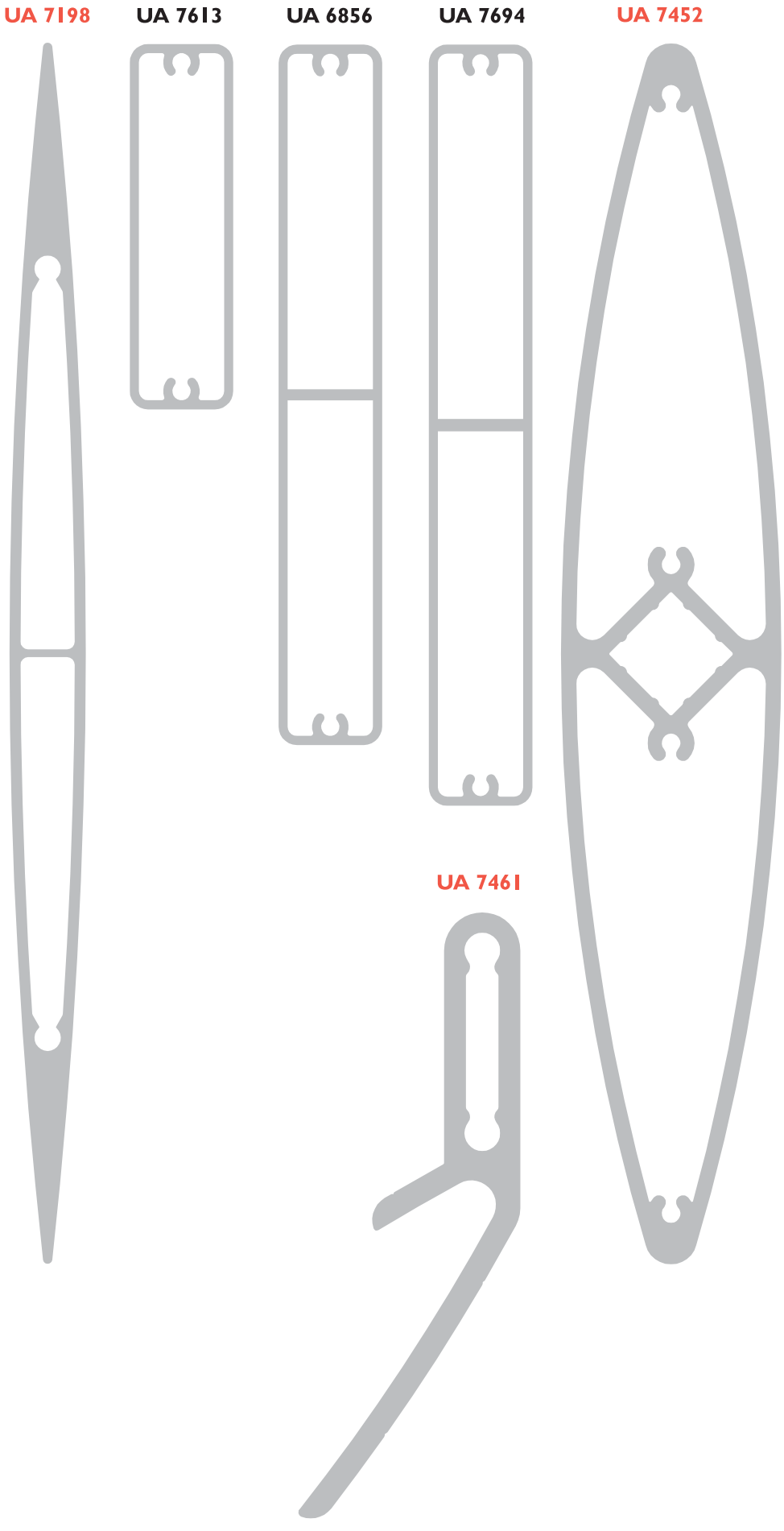
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UA 6856
BLADE PANEL
kg/m 1.161 P 259
OAD 115 x 17

UA 7198 (MR)
BLADE
kg/m 2.155 P 402
OAD 200 x 12

UA 7452 (MR)
BLADE
kg/m 2.737 P 415
OAD 200.07 x 35.55

UA 7461 (MR)
BRACKET fits 7452
kg/m 1.669 P 263
OAD 99 x 35.94

UA 7613
BLADE PANEL
kg/m 0.647 P 149
OAD 60 x 17

UA 7694
BLADE PANEL
kg/m 1.253 P 279
OAD 125 x 17

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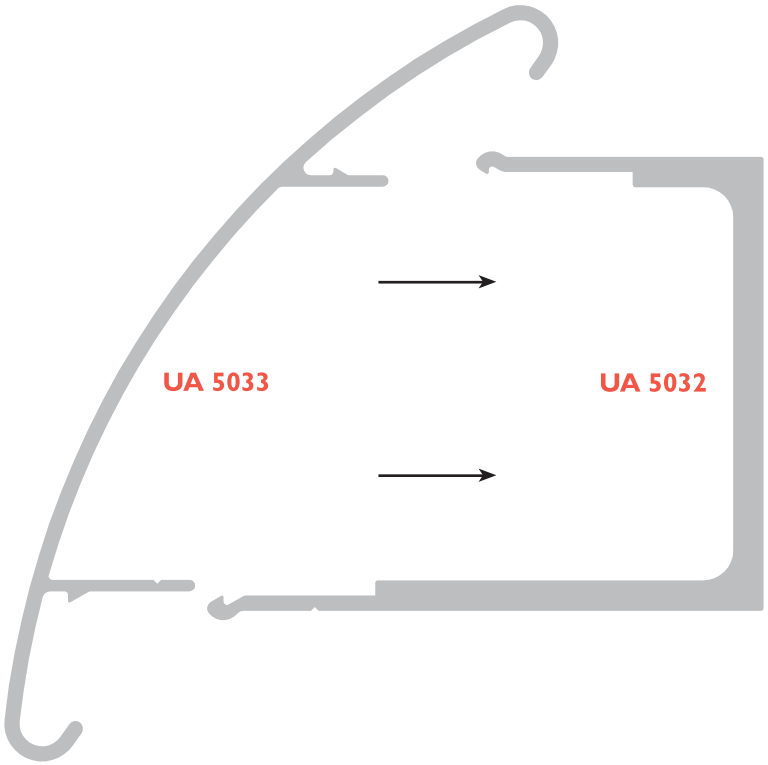
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UA 5032 (MR)
BRACKET
kg/m 1.556 P 334
OAD 73.57 x 60

UA 5033 (MR)
SUN BLADE
kg/m 0.932 P 359
OAD 100 x 73.25



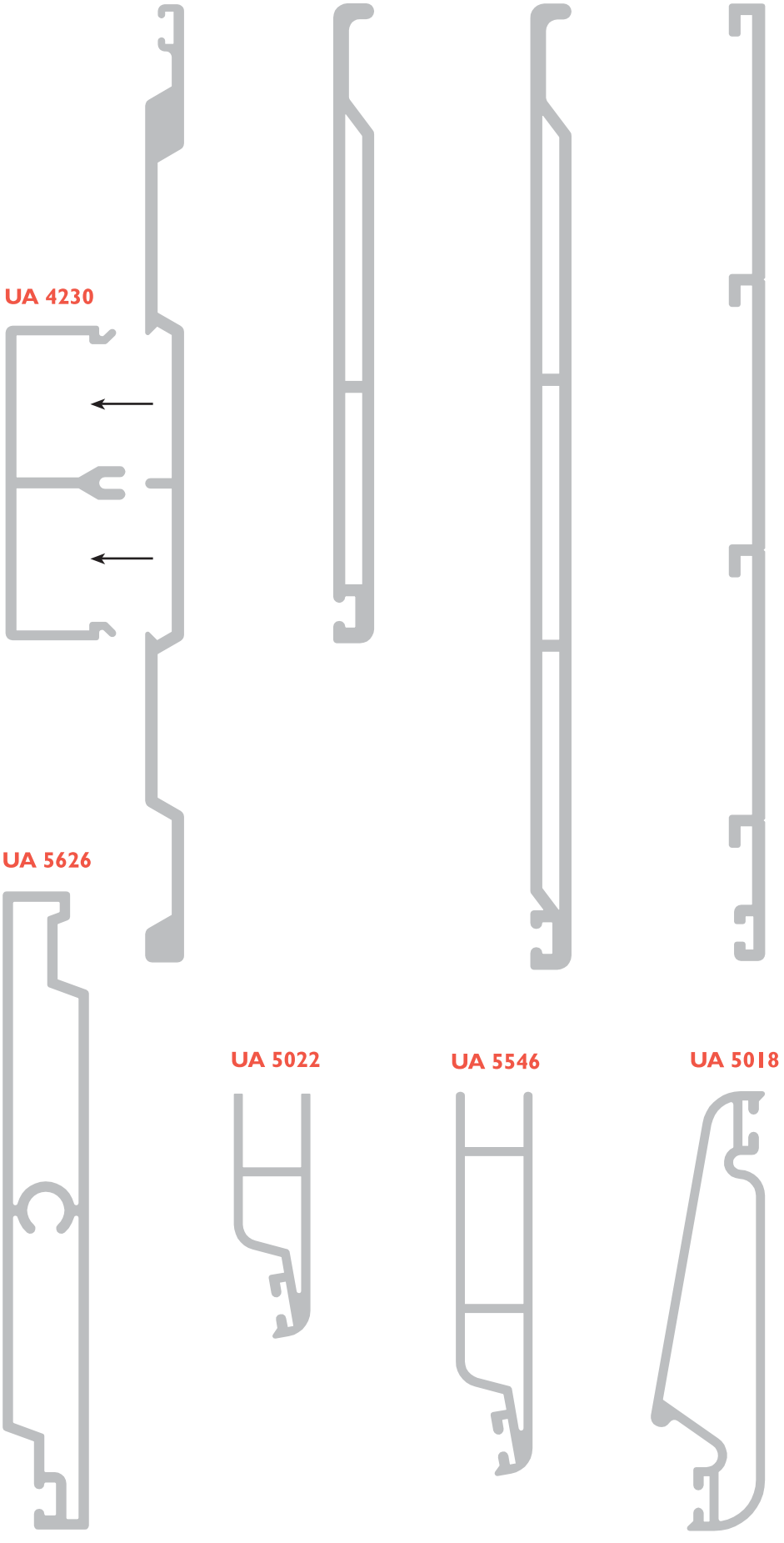
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UA 2879 (MR)
BLADE
kg/m 0.891 P 379
OAD 152 x 5.5

UA 4230 (MR)
TORSION BAR
kg/m 0.423 P 217
OAD 50 x 18.9

UA 4231 (MR)
BLADE
kg/m 0.992 P 356
OAD 152 x 6

UA 5018 (MR)
BLADE
kg/m 0.590 P 200
OAD 69.85 x 17.95

UA 5022 (MR)
FIXED BLADE
kg/m 0.331 P 138
OAD 39 x 12

UA 5545 (MR)
BLADE
kg/m 0.800 P 227
OAD 101.5 x 6

UA 5546 (MR)
FIXED BLADE
kg/m 0.504 P 175
OAD 61 x 12

UA 5626 (MR)
BLADE
kg/m 0.955 P 239
OAD 101.5 x 13.5

UA 5768 (MR)
BLADE
kg/m 1.222 P 333
OAD 153.5 x 6.05

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UA 3431
FRAME
kg/m 1.328 P 311
OAD 110 x 20

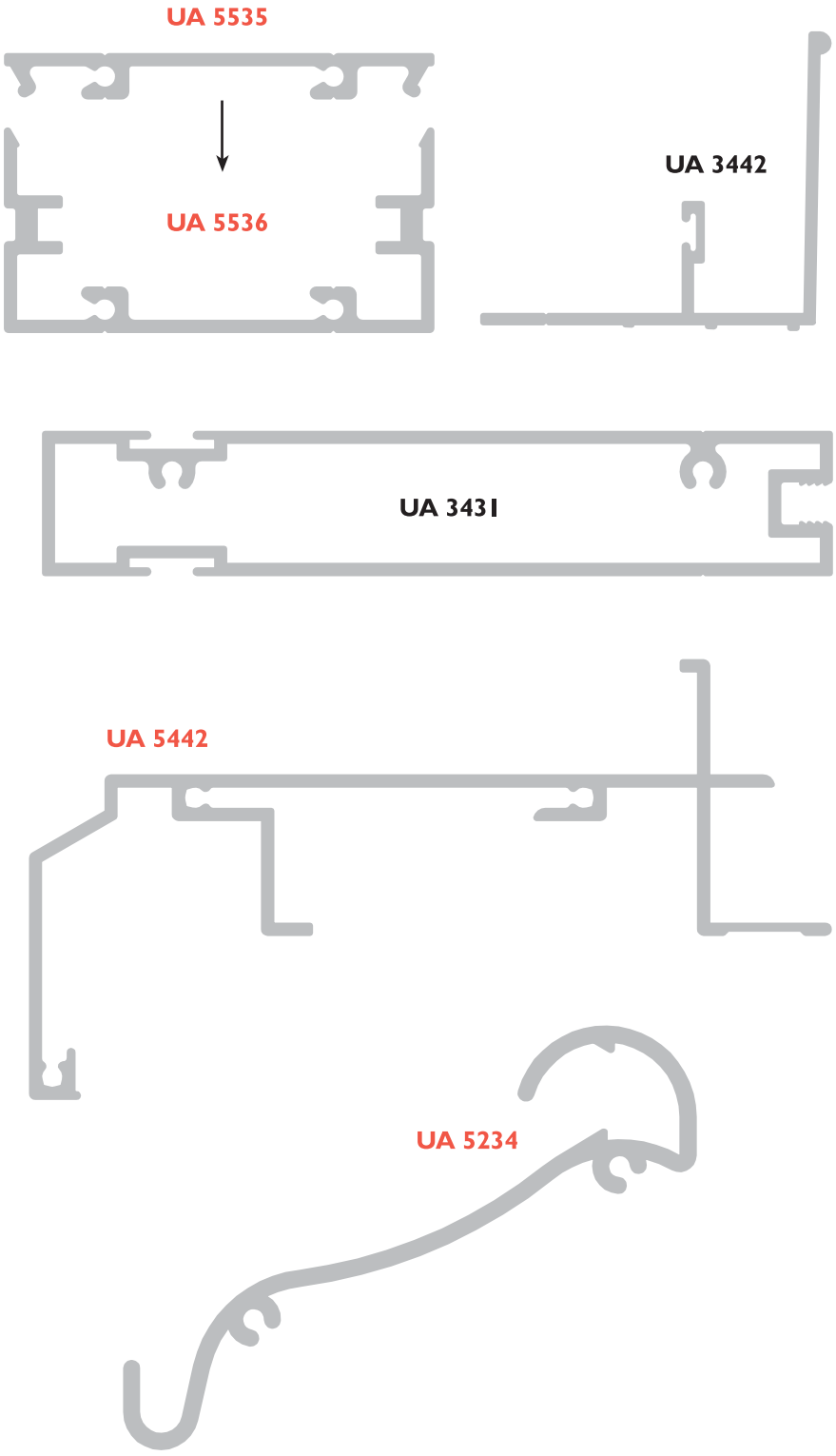
UA 3442
WEATHER BAR
kg/m 0.437 P 220
OAD 48.74 x 41.49

UA 5234 (MR)
STORM LOUVRE
kg/m 0.769 P 328
OAD 80 x 59

UA 5442 (MR)
FRAME
kg/m 1.114 P 518
OAD 111.4 x 61

UA 5535 (MR)
MULLION CLIP
kg/m 0.399 P 174
OAD 60 x 6.25

UA 5536 (MR)
MULLION
kg/m 0.724 P 307
OAD 60 x 28.5



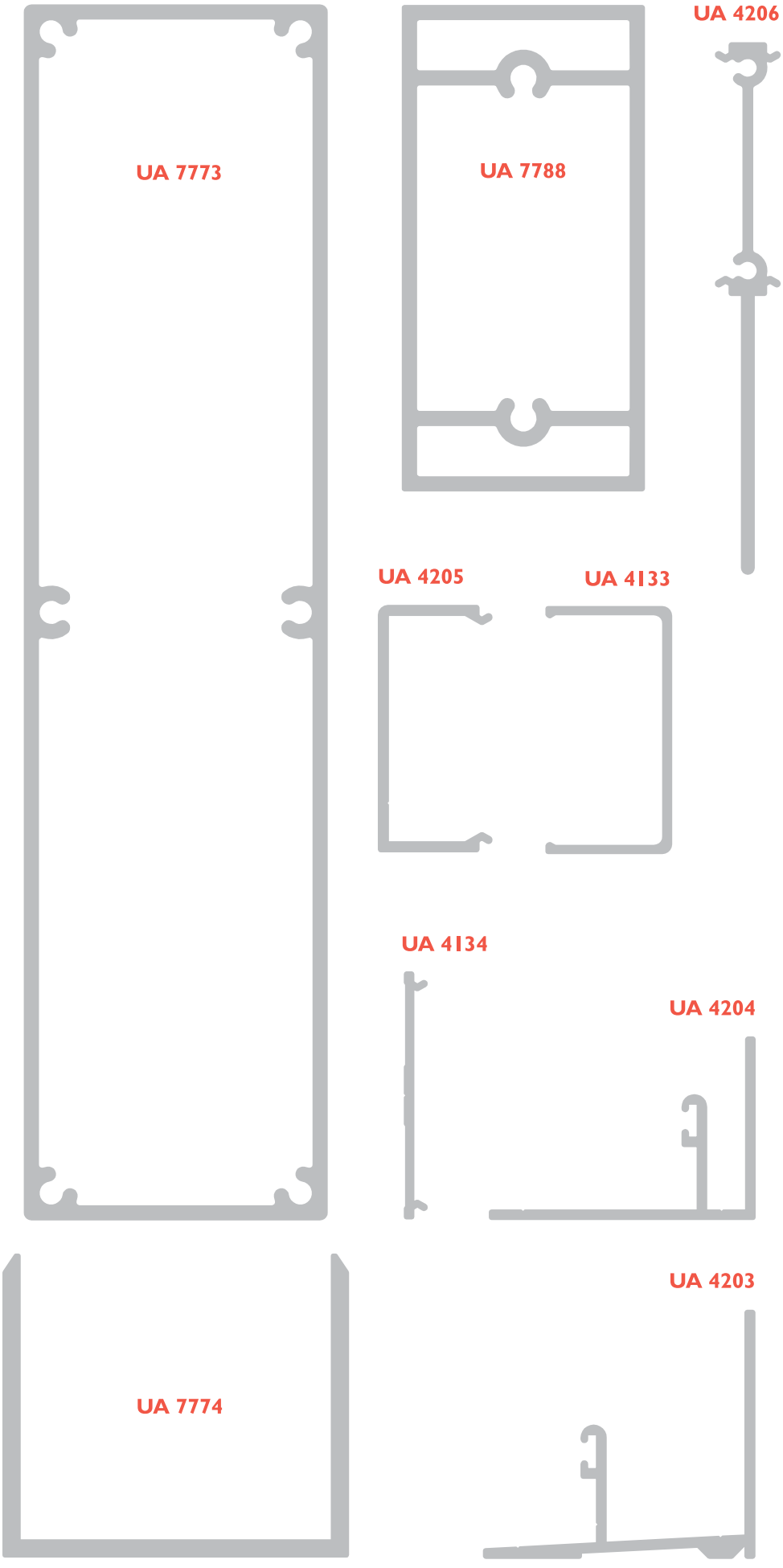
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UA 4133 (MR)
CHANNEL
kg/m 0.292 P 160
OAD 40.75 x 20.7

UA 4134 (MR)
CHANNEL LID
kg/m 0.163 P 94
OAD 40.75 x 3.7

UA 4203 (MR)
SILL WEATHER BAR
kg/m 0.479 P 220
OAD 43.75 x 40

UA 4204 (MR)
HEAD WEATHER BAR
kg/m 0.391 P 198
OAD 43.75 x 30

UA 4205 (MR)
EXTENSION
kg/m 0.307 P 156
OAD 40.75 x 18.7

UA 4206 (MR)
FINNED JOINTER
kg/m 0.522 P 219
OAD 85.75 x 10.4

UA 7773 (MR)
BLADE PANEL
kg/m 3.612 P 498
OAD 200 x 50

UA 7774 (MR)
BLADE CHANNEL
kg/m 1.206 P 305
OAD 57 x 50

UA 7788 (MR)
BLADE PANEL
kg/m 2.134 P 240
OAD 80 x 40

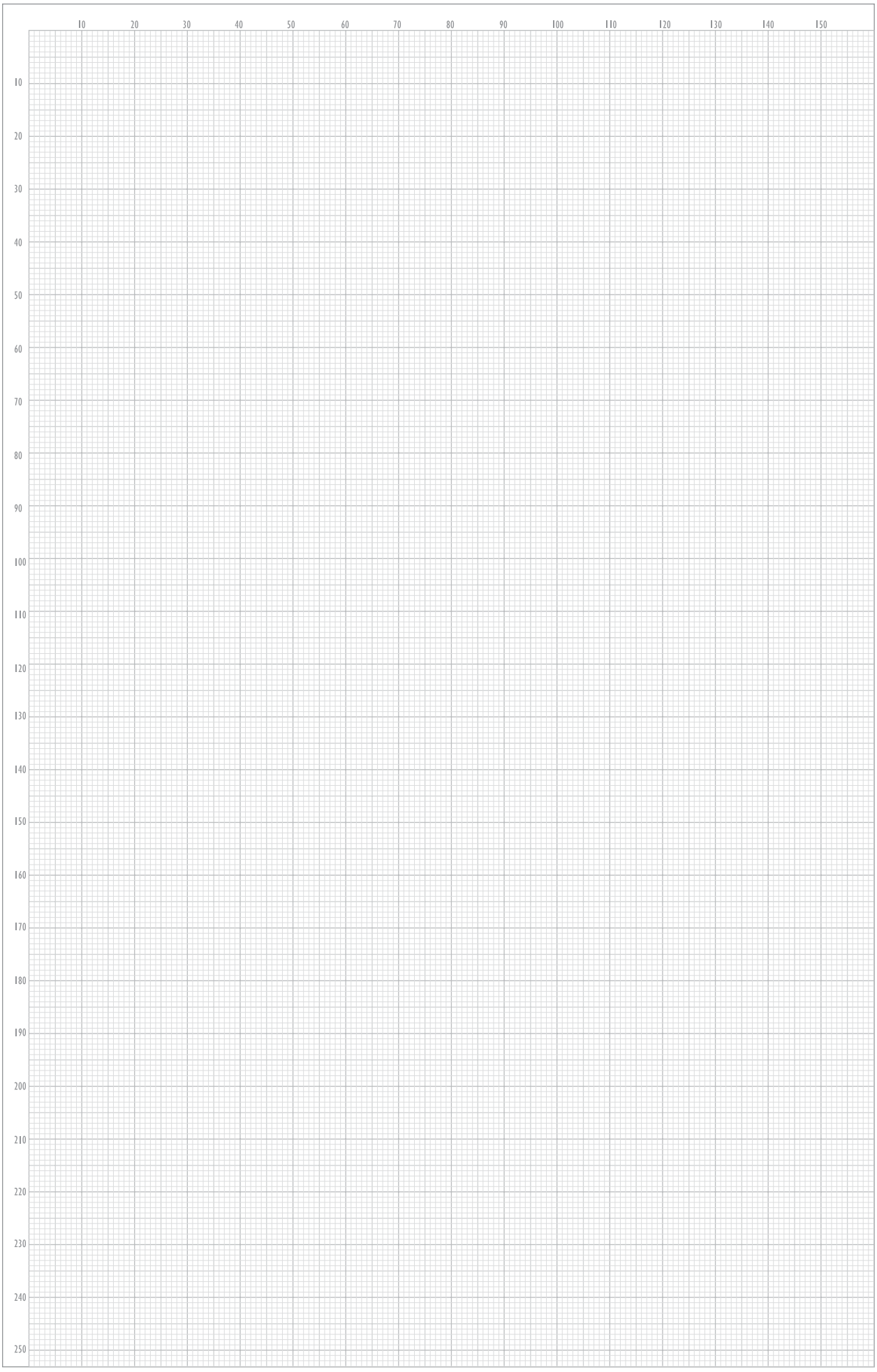
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PLANNING GRID AND NOTES



DIE No	DESCRIPTION
UA 9087	32mm BATTEN INNER CLIP
UA 9088	32 X 32mm BATTEN OUTER
UA 9089	32 X 75mm BATTEN OUTER
UA 9090	32 X 100mm BATTEN OUTER
UA 9091	32 X 150mm BATTEN OUTER
UA 10596	50mm BATTEN INNER CLIP
UA 10597	50 X 50mm BATTEN OUTER
UA 10598	50 X 100mm BATTEN OUTER
UA 10599	50 X 150mm BATTEN OUTER
UA 10600	50 X 200mm BATTEN OUTER

NOTE: RED INDICATES

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MINIMUM ORDER QUANTITY 200KG

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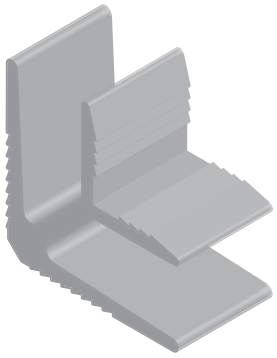
UA 9087
BATTEN INNER CLIP
kg/m 0.373 P 179
OAD 28.4 x 22

UA 9088
32mm BATTEN OUTER
kg/m 0.570 P 268
OAD 32 x 32

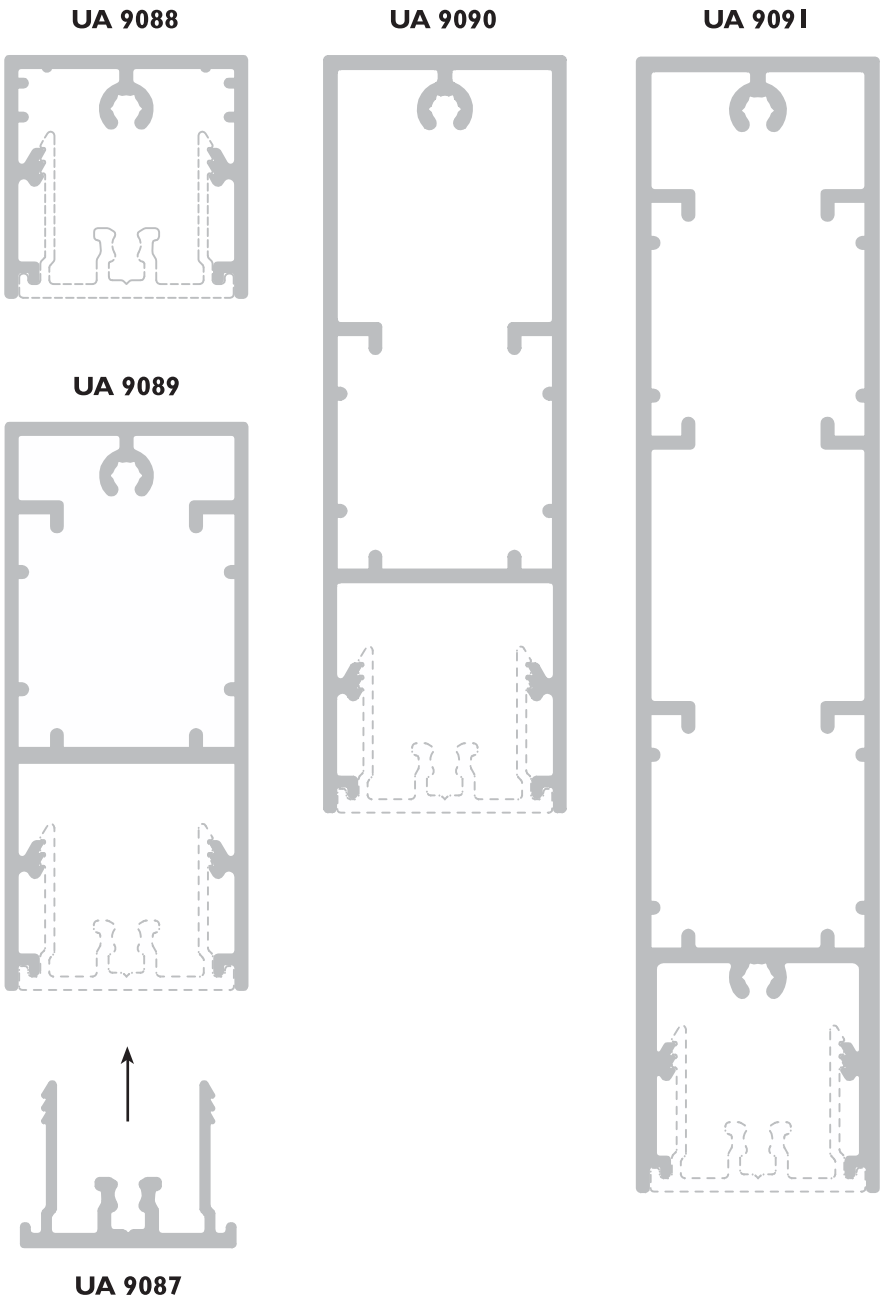
UA 9089
32 x 75mm BATTEN OUTER
kg/m 1.161 P 312
OAD 75 x 32

UA 9090
32 x 100mm BATTEN OUTER
kg/m 1.430 P 362
OAD 100 x 32

UA 9091
32 x 150mm BATTEN OUTER
kg/m 2.293 P 470
OAD 150 x 32



32mm BATTEN
STAKING CORNER
CODE: BATTEN32MMSTAKE



32mm ULLTRABATTEN END CAPS

CODE	DESCRIPTION
BATTEN9088EC	32mm x 32mm End Cap
BATTEN9089EC	32mm x 75mm End Cap
BATTEN9090EC	32mm x 100mm End Cap
BATTEN9091EC	32mm x 150mm End Cap

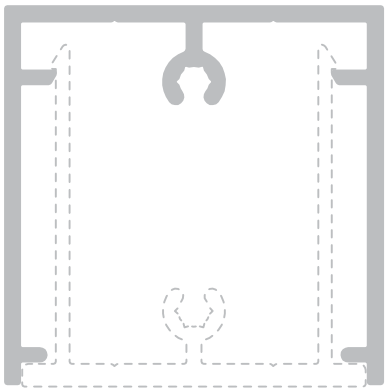
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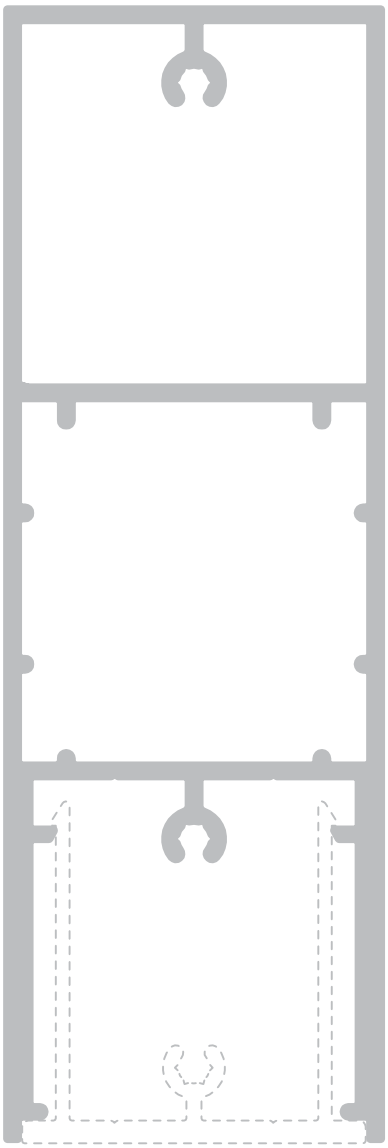
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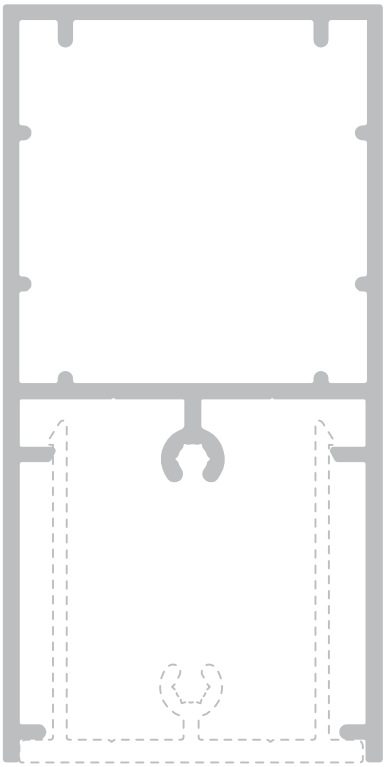
UA 10597



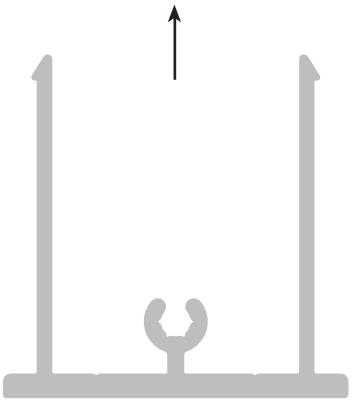
UA 10599



UA 10598



UA 10596



UA 10596
BATTEN INNER CLIP
kg/m 0.874 P 302
OAD 45.4 x 45.2

UA 10597
50mm BATTEN OUTER
kg/m 0.967 P 364
OAD 50 x 50

UA 10598
50 x 100mm BATTEN OUTER
kg/m 1.839 P 464
OAD 100 x 50

UA 10599
50 x 150mm BATTEN OUTER
kg/m 3.067 P 552
OAD 150 x 50

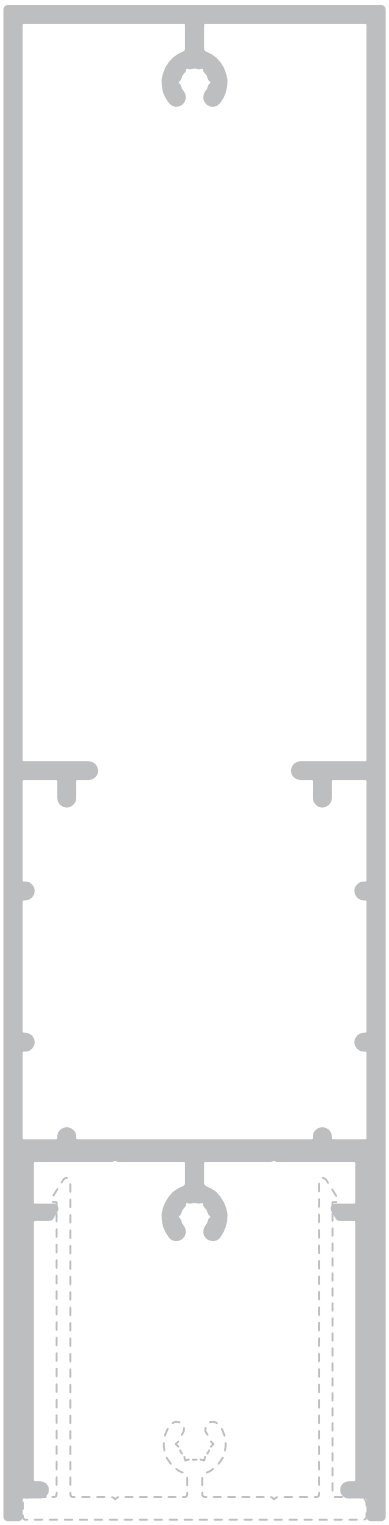
50mm ULLTRABATTEN END CAPS

CODE	DESCRIPTION
BATTEN10597EC	50mm x 50mm End Cap
BATTEN10598EC	50mm x 100mm End Cap
BATTEN10599EC	50mm x 150mm End Cap
BATTEN10600EC	50mm x 200mm End Cap

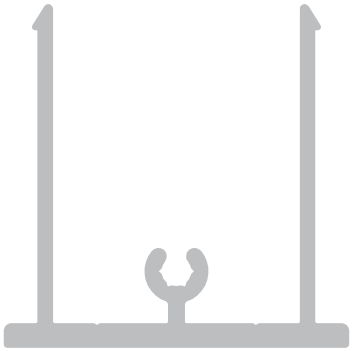
UA 10596
BATTEN INNER CLIP
kg/m 0.874 P 302
OAD 45.4 x 45.2

UA 10600
50 x 200mm BATTEN OUTER
kg/m 3.520 P 650
OAD 200 x 50

UA 10600



UA 10596





50mm BATTEN
STAKING CORNER
CODE: BATTEN50MMSTAKE

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DIE No	DESCRIPTION
UA 4528	STANDARD BOARD
UA 4532	J - MOULDING
UA 4533	HEAD STARTER
UA 4535	LOCATOR CLIP
UA 4862	BOARD STARTER A
UA 4863	BOARD STARTER B
UA 4917	TEE BOARD
UA 5059	TRADITIONAL BOARD
UA 5831	FLASHING CLIP BASE
UA 5832	LARGE 65mm CLIP TOP
UA 5833	SMALL 30mm CLIP TOP
UA 6323	SCALLOPED JOINTER TOP
UA 6324	BOARD JOINTER BASE
UA 6608	SCALLOPED FEMALE CORNER
UA 6609	SCALLOPED MALE CORNER
UA 6975	SHADOLINE BOARD
UA 7094	FLAT FEMALE CORNER
UA 7095	FLAT MALE CORNER
UA 7096	FLAT JOINTER TOP
UA 7401	INFINITY BOARD
UA 7584	JAMB / SILL CLIP
UA 7726	SHADO 100 BOARD
UA 7837	FIN BOARD
UA 7868	SHADO 140 BOARD
UA 7919	INTER-STOREY FLASHING
UA 7922	SHIPLAP BOARD
UA 7923	ULLTRALINE BOARD
UA 7924	FACING BASE
UA 7925	FACING LID
UA 7937	ULLTRATRAY BOARD

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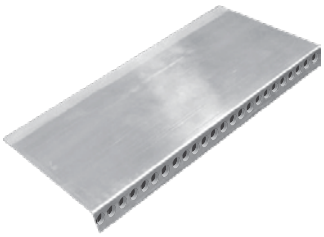
UA 4528 UltraClad
STANDARD BOARD
kg/m 1.003 P 501
OAD 190.5 x 15

UA 6975 UltraClad
SHADOLINE BOARD
kg/m 1.167 P 562
OAD 205 x 15
Can also be fitted VERTICALLY

UA 7401 UltraClad
INFINITY BOARD
kg/m 1.139 P 549
OAD 205 x 15
Can also be fitted VERTICALLY

UA 7726 UltraClad
SHADO 100 BOARD
kg/m 1.303 P 629
OAD 205.16 x 15
Can also be fitted VERTICALLY

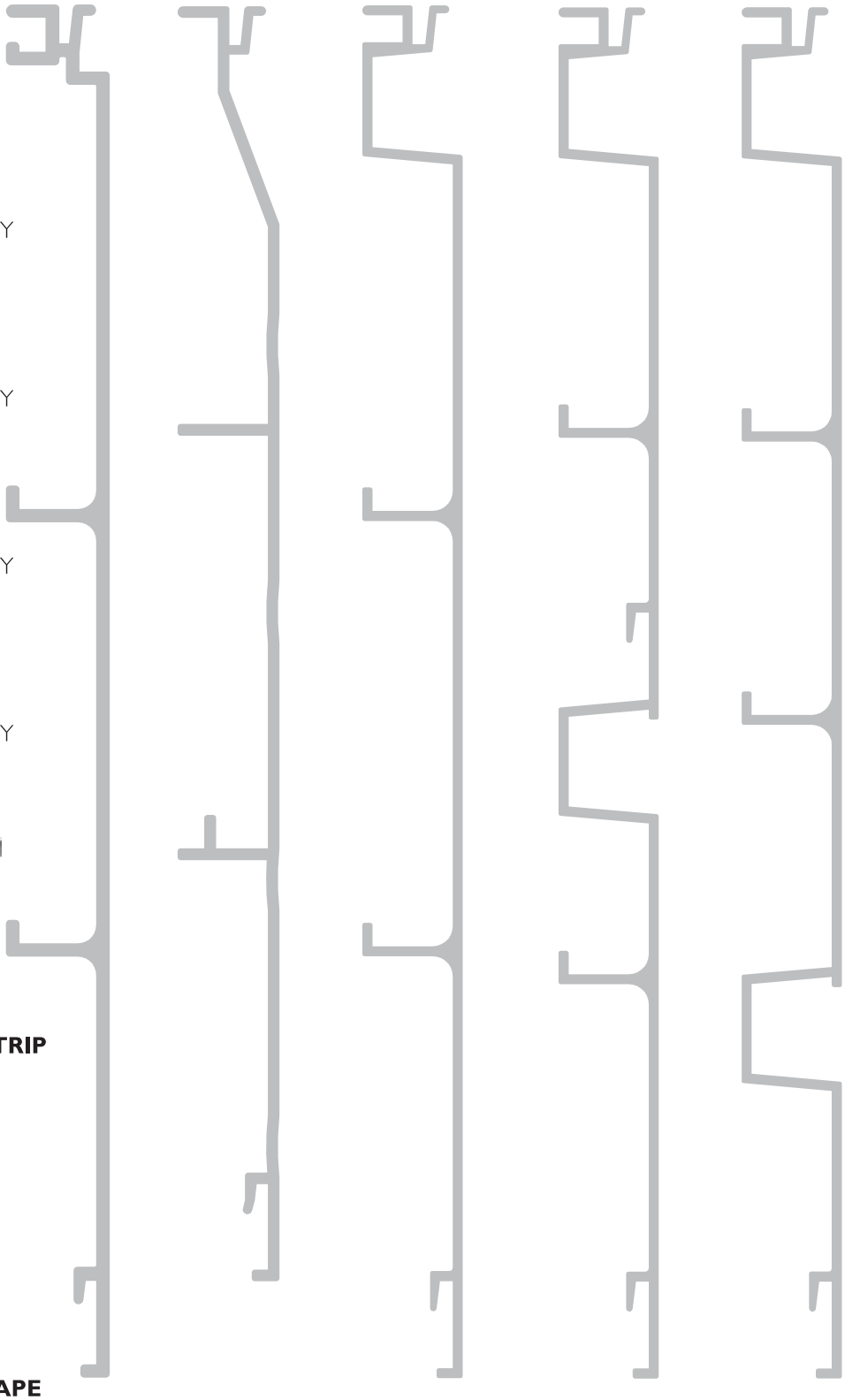
UA 7868 UltraClad
SHADO 140 BOARD
kg/m 1.274 P 614
OAD 205.16 x 15
Can also be fitted VERTICALLY



ALUMINIUM VERMIN STRIP
OAD 120 x 20
Length 2400mm
5mm Round Holes
Code: ALVERMIN2.4



ULLTRACLAD FOAM TAPE
Code: F1-7-010UL



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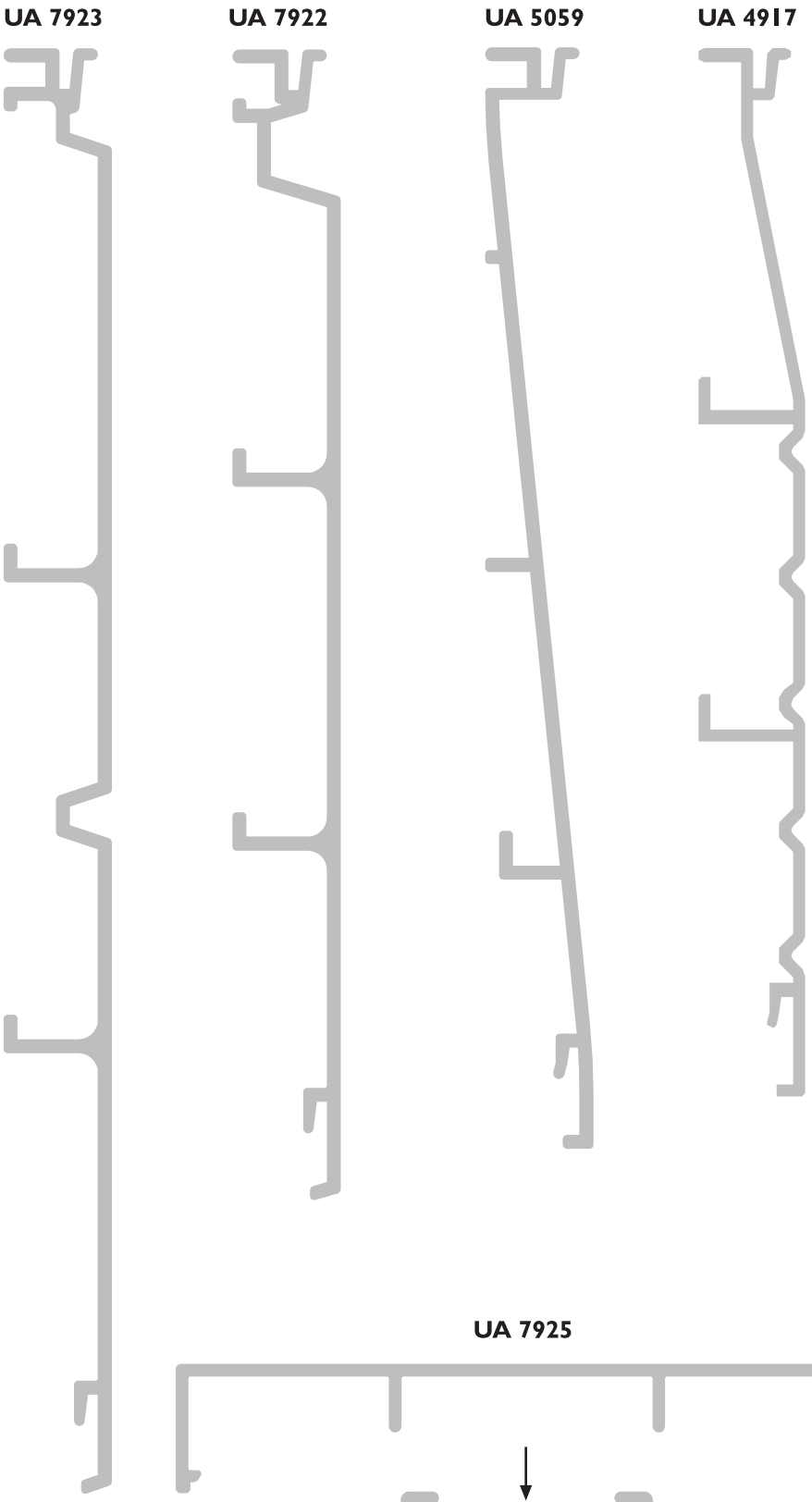
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NB: ULLTRACLAD PRODUCTS SHOULD BE INSTALLED ACCORDING TO OUR* BRANZ APPROVED *INSTALLATION DETAILS

MR = MILL RUN ONLY • NON-STOCKED ITEM • MINIMUM ORDER 200KG

NOTE: Not all products are available ex-stock, check with your local branch for advice on availability.



UA 4917 UltraClad
TEE BOARD
kg/m 0.886 P 444
OAD 150 x 15

UA 5059 UltraClad
TRADITIONAL BOARD
kg/m 0.842 P 424
OAD 157 x 15

UA 7922 UltraClad
SHIPLAP BOARD
kg/m 0.986 P 472
OAD 164.07 x 15
Can also be fitted VERTICALLY

UA 7923 UltraClad
ULLTRALINE BOARD
kg/m 1.176 P 566
OAD 206.18 x 15
Can also be fitted VERTICALLY

UA 7924 UltraClad
FACING BASE
kg/m 0.546 P 292
OAD 96.8 x 16.8

UA 7925 UltraClad
FACING LID
kg/m 0.537 P 304
OAD 100 x 18

NB: ULLTRACLAD PRODUCTS SHOULD BE INSTALLED ACCORDING TO OUR BRANZ APPROVED INSTALLATION DETAILS

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UA 7837 UlltraClad
FIN BOARD
kg/m 3.445 P 857
OAD 193 x 40
VERTICAL FIT ONLY

UA 7937 UlltraClad
ULLTRATRAY BOARD
kg/m 1.355 P 627
OAD 205 x 15
VERTICAL FIT ONLY

IMPORTANT NOTICE:

Please be aware that both of these boards:-
UA 7837 FIN BOARD
UA 7937 ULLTRATRAY BOARD
will require specialised flashings relating to their installation.

They cannot be used in conjunction with our existing standard flashing components.

UA 7837



UA 7937



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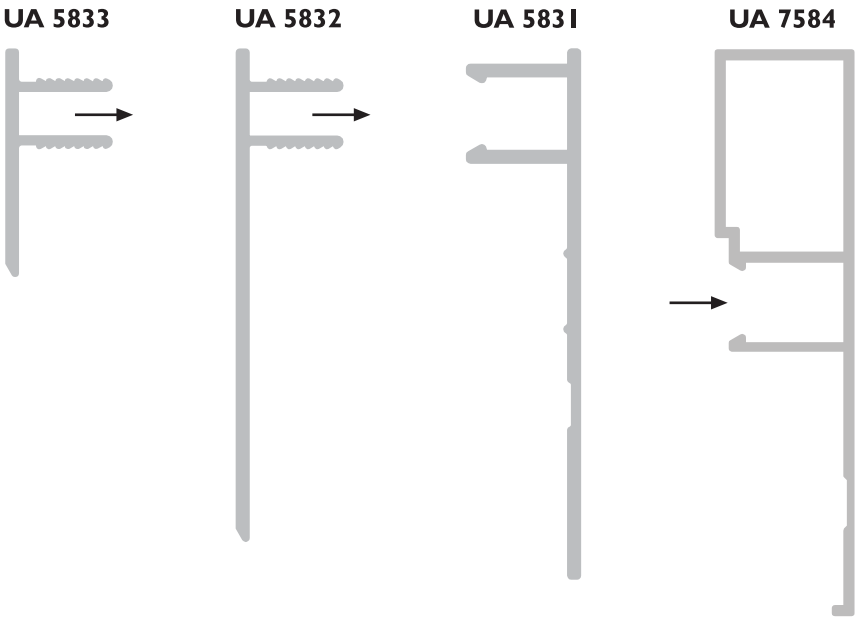
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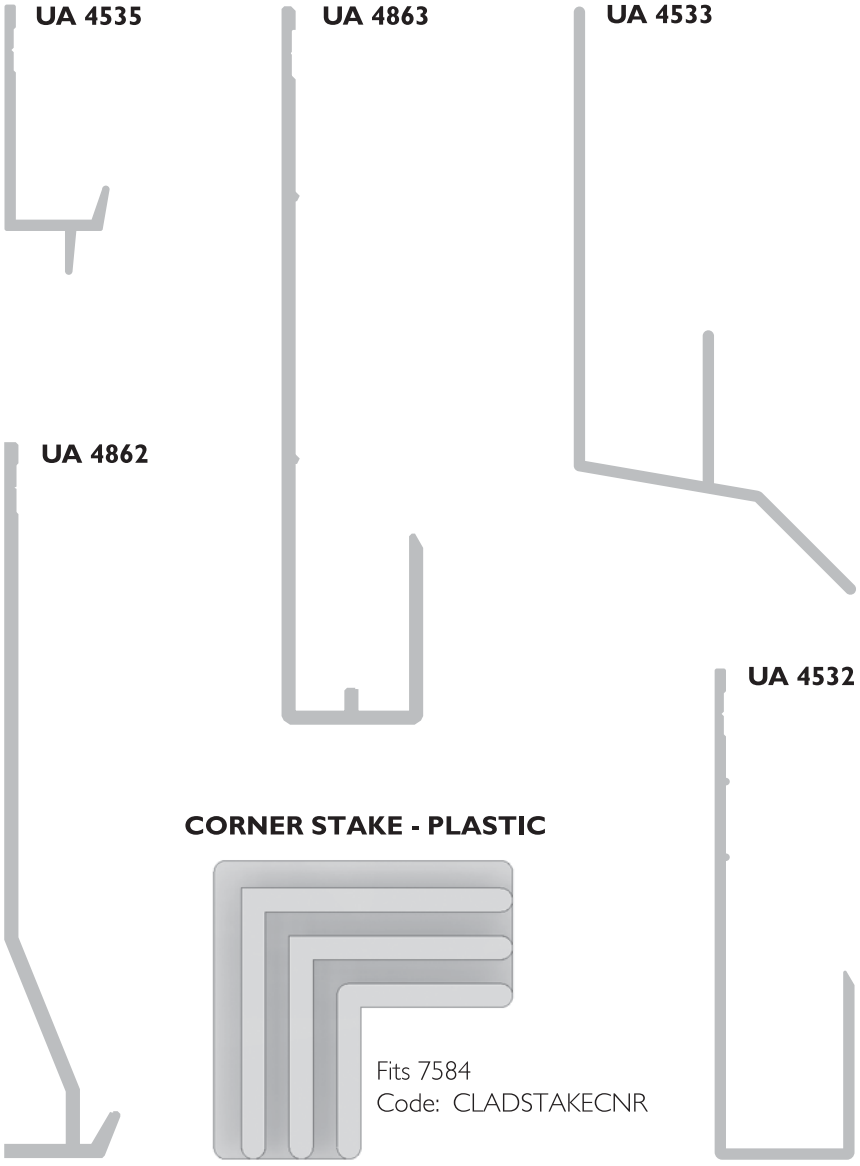
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CORNER STAKE - PLASTIC

Fits 7584
Code: CLADSTAKECNR

UA 4532 UlltraClad
J - MOULDING
kg/m 0.420 P 214
OAD 65 x 18.5

UA 4533 UlltraClad
HEAD STARTER
kg/m 0.497 P 249
OAD 78.77 x 37.33

UA 4535 UlltraClad
LOCATOR CLIP
With Screws (Bags 100)
kg/m 0.198 P 105
OAD 35.8 x 13.9

UA 4862 UlltraClad
BOARD STARTER A
kg/m 0.448 P 228
OAD 94.5 x 15

UA 4863 UlltraClad
BOARD STARTER B
kg/m 0.554 P 280
OAD 95 x 18.5

UA 5831 UlltraClad
FLASHING CLIP BASE
kg/m 0.416 P 198
OAD 70 x 15

UA 5832 UlltraClad
LARGE 65mm CLIP TOP
kg/m 0.367 P 189
OAD 65 x 14

UA 5833 UlltraClad
SMALL 30mm CLIP TOP
kg/m 0.215 P 119
OAD 30 x 14

UA 7584 UlltraClad
JAMB / SILL CLIP
kg/m 0.600 P 222
OAD 75 x 18.5

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UA 6323 UltraClad
SCALLOPED JOINTER TOP
kg/m 0.338 P 184
OAD 63 x 13.9

UA 6324 UltraClad
BOARD JOINTER BASE
kg/m 0.536 P 269
OAD 100 x 17

UA 6608 UltraClad
SCALLOPED FEMALE CORNER
kg/m 0.680 P 355
OAD 70.1 x 70.1

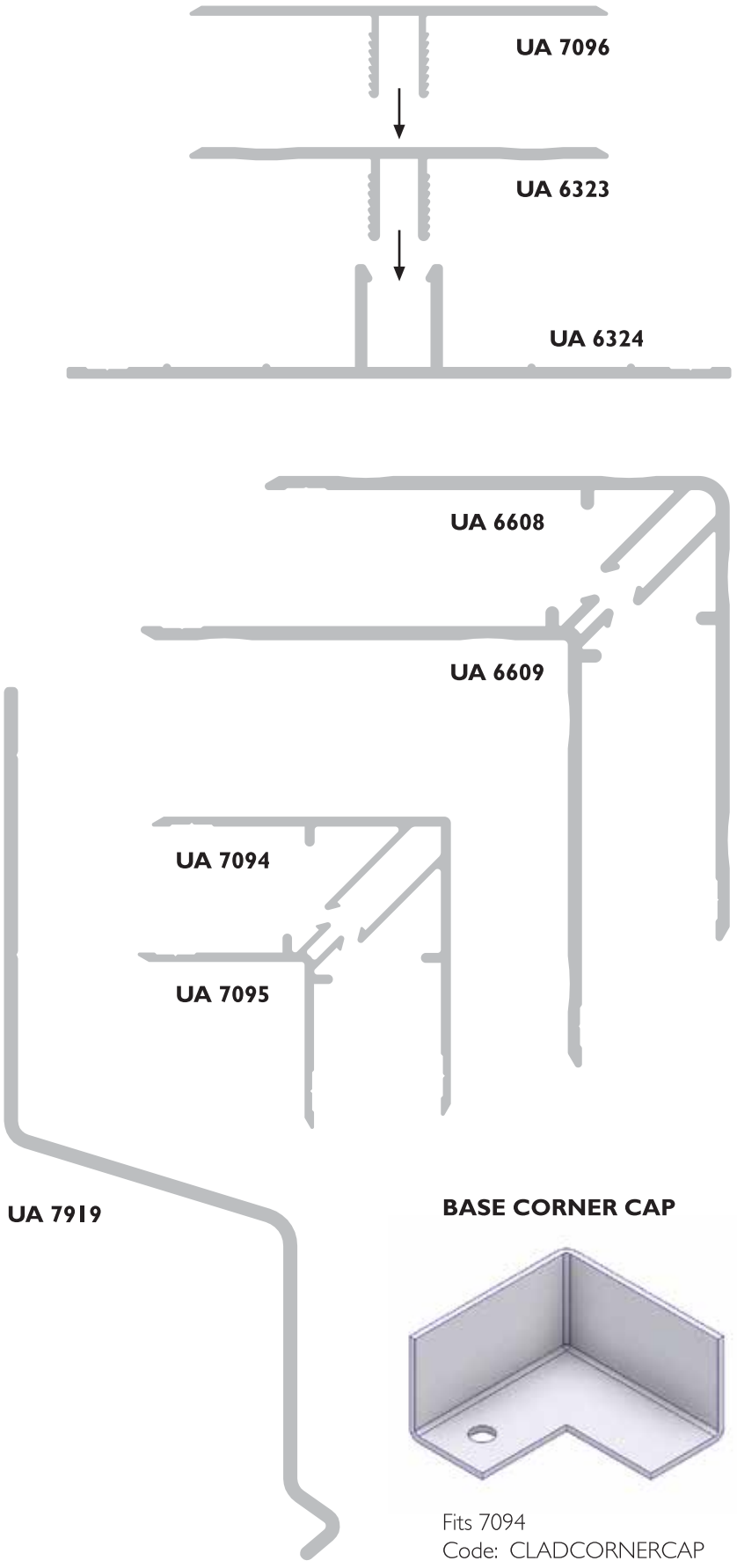
UA 6609 UltraClad
SCALLOPED MALE CORNER
kg/m 0.594 P 300
OAD 71.3 x 71.3

UA 7094 UltraClad
FLAT FEMALE CORNER
kg/m 0.465 P 257
OAD 45 x 45

UA 7095 UltraClad
FLAT MALE CORNER
kg/m 0.266 P 147
OAD 32.81 x 32.81

UA 7096 UltraClad
FLAT JOINTER TOP
kg/m 0.338 P 184
OAD 63 x 13.9

UA 7919
INTER-STOREY FLASHING
kg/m 0.710 P 333
OAD 130.76 x 50



BASE CORNER CAP

Fits 7094
Code: CLADCORNERCAP

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DIE No	DESCRIPTION

DESIGNER PARTITIONING SYSTEM

UA 1609	LOCATION CHANNEL
UA 1934	13mm GIB LINING CAP
UA 7250	13mm GIB HEAD STARTER
UA 7251	RECESSED STARTER CAP
UA 7252	13mm GIB RECESSED STARTER
UA 7253	13mm GIB HEAD STARTER
UA 7254	RECESSED STARTER CAP
UA 7255	13mm GIB RECESSED DOOR STARTER
UA 7256	16mm GIB HEAD STARTER
UA 7257	RECESSED STARTER CAP
UA 7258	STARTER FLUSH CAP
UA 7259	40mm DOOR STOP
UA 7260	50mm DOOR STOP
UA 7261	STARTER FLUSH CAP
UA 7262	40mm DOOR STOP
UA 7263	50mm DOOR STOP
UA 7264	ADJUSTABLE DOOR STOP
UA 7265	DOOR STOP CAP
UA 7266	DOOR STOP CAP
UA 7267	GLAZING BASE
UA 7268	GLAZING BEAD
UA 7269	GLAZING BEAD
UA 7270	GLAZING BASE
UA 7271	GLAZING BEAD
UA 7272	GLAZING BEAD
UA 7273	RECESSED GLAZING MULLION CAP
UA 7274	13mm GIB RECESSED STARTER
UA 7275	RECESSED GLAZING MULLION CAP
UA 7276	DOOR TOP RAIL
UA 7277	SLIDING DOOR BOTTOM RAIL
UA 7278	GLAZING BEAD
UA 7279	GLAZING BEAD
UA 7280	DOOR SIDE RAIL
UA 7281	SLIDE CAP
UA 7282	SLIDE INFILL - WOOLPILE
UA 7283	SLIDE INFILL - SIDE WOOLPILE
UA 7284	SLIDING DOOR TOP CHANNEL
UA 7285	DOOR SIDE CHANNEL
UA 7286	BOTTOM DOOR TRACK
UA 7287	DOOR CENTRE MULLION
UA 7742	104mm RECESSED GLAZING MULLION POST
UA 7743	132mm RECESSED GLAZING MULLION POST
UA 7785	RECESSED DOOR STARTER CAP
UA 7840	OFFSET GLAZING BASE
UA 9081	HALF HEIGHT WALL GLAZING BASE
UA 9082	GLAZING BEAD
UA 9083	GLAZING BEAD
UA 9084	HALF HEIGHT WALL GLAZING BASE
UA 9085	GLAZING BEAD
UA 9086	GLAZING BEAD

DIE No	DESCRIPTION

DESIGNER 1000 PARTITIONING SYSTEM

UA 1034	GLAZING BAR BASE
UA 1035	GLAZING BEAD
UA 1046	DOOR PILLAR POST
UA 1047	PILLAR POST JAMB
UA 1313	DOUBLE GLAZING CAP
UA 1314	DOUBLE GLAZING BASE
UA 1315	DOOR JAMB CAP
UA 1316	DOOR JAMB
UA 1672	26mm HEAD STARTER
UA 1788	DOOR JAMB
UA 2062	DOOR JAMB
UA 2400	GLAZING BAR MULLION
UA 3209	GLAZING BEAD
UA 4362	13mm GIB HEAD STARTER
UA 4363	13mm STARTER CAP
UA 4364	13mm STARTER CAP
UA 6542	13mm GIB HEAD STARTER

TOILET PARTITIONING SYSTEM

UA 1573	WALL MOUNT
UA 5949	18mm CAPPING
UA 6453	18mm JOINTER
UA 6454	18mm DOOR STOP CAP
UA 6455	18mm CORNER
UA 7025	11mm INSERT

NOTE: RED INDICATES

= MILL RUN ONLY = NON-STOCKED ITEM

MINIMUM ORDER QUANTITY 200KG

CONTACT YOUR LOCAL BRANCH TO ENQUIRE

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UA 7250
13mm GIB HEAD STARTER
For 63.5mm Steel Stud
kg/m 0.931 P 515
OAD 104 x 37.3

UA 7251
RECESSED STARTER CAP
kg/m 0.660 P 347
OAD 104 x 26

UA 7252
13mm GIB RECESSED STARTER
For 63.5mm Steel Stud
kg/m 1.210 P 617
OAD 104 x 37.3

UA 7258
STARTER FLUSH CAP
If Powdercoated
kg/m 0.203 P 126
OAD 27.3 x 18.8

UA 7259
40mm DOOR STOP
If Powdercoated
kg/m 0.303 P 156
OAD 29.14 x 27.3

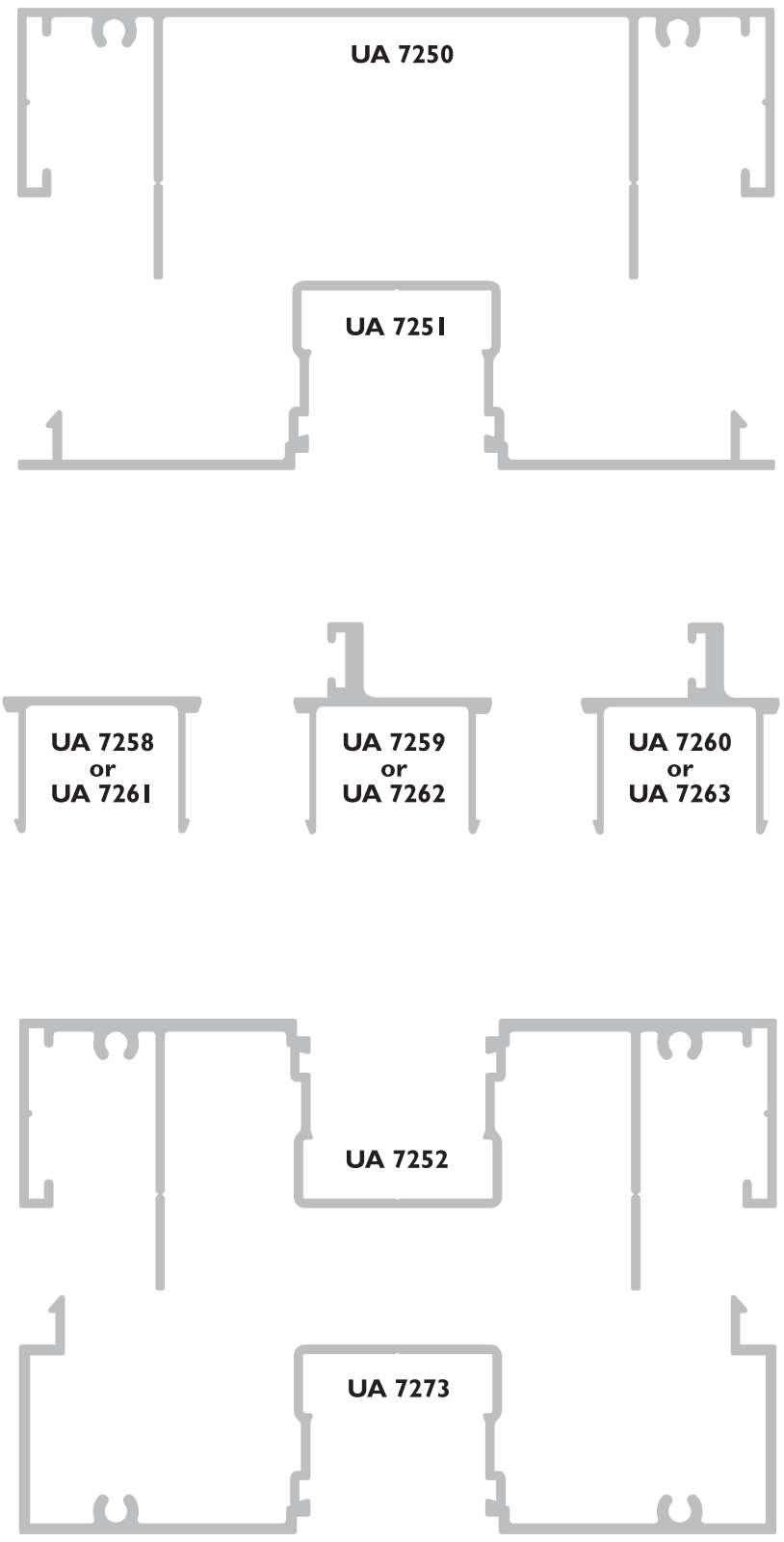
UA 7260
50mm DOOR STOP
If Powdercoated
kg/m 0.303 P 156
OAD 29.14 x 27.3

UA 7261
STARTER FLUSH CAP
If Anodised
kg/m 0.210 P 127
OAD 27.6 x 18.75

UA 7262
40mm DOOR STOP
If Anodised
kg/m 0.309 P 156
OAD 29.09 x 27.6

UA 7263
50mm DOOR STOP
If Anodised
kg/m 0.309 P 156
OAD 29.09 x 27.6

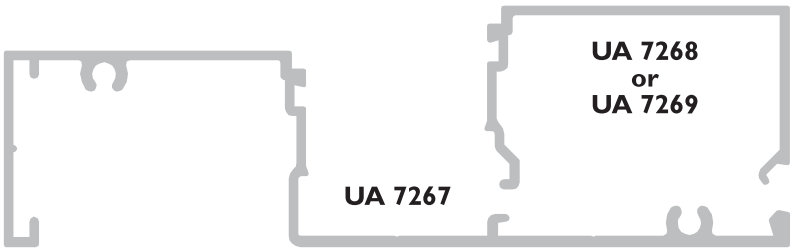
UA 7273
RECESSED GLAZING
MULLION CAP
kg/m 0.971 P 491
OAD 104 x 32.8

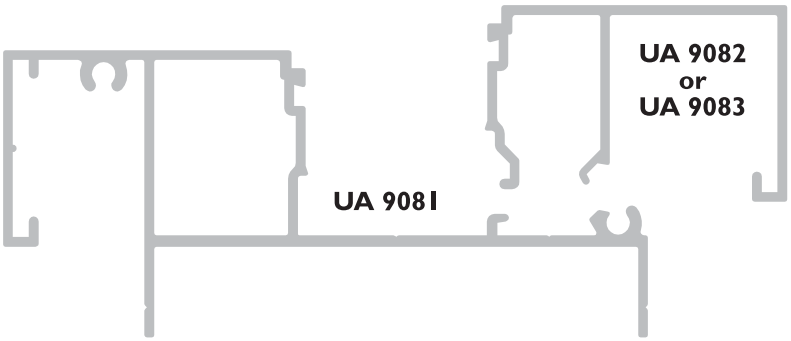


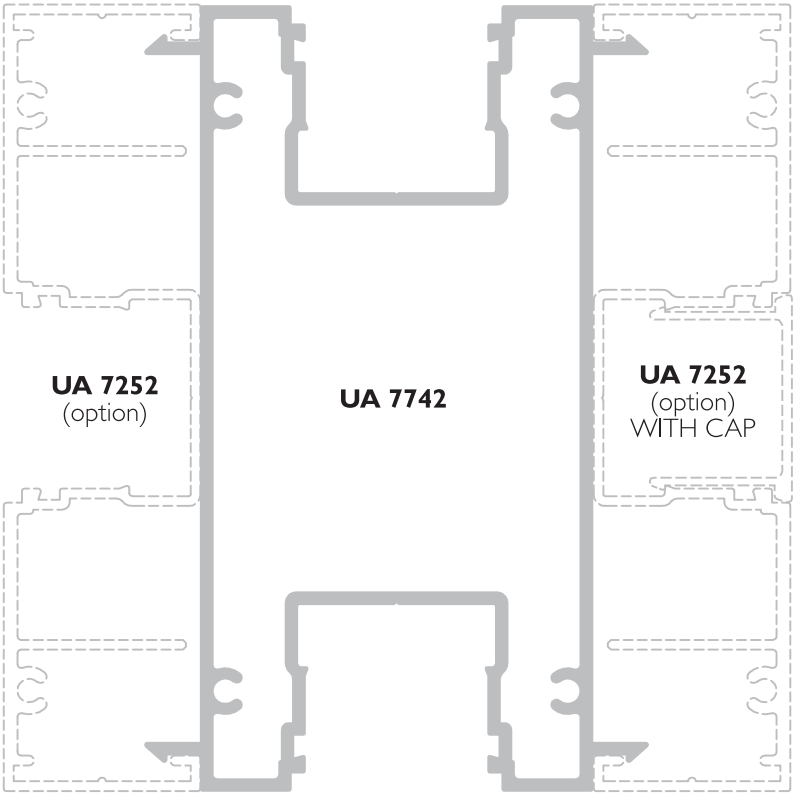
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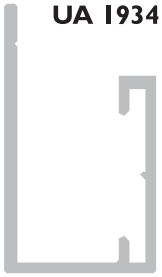
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UA 1934
13mm GIB LINING CAP
kg/m 0.353 P 176
OAD 35.8 X 20

UA 7267
GLAZING BASE
kg/m 0.730 P 373
OAD 104 x 26

UA 7268
GLAZING BEAD
If Powdercoated
kg/m 0.324 P 184
OAD 40 x 24.35

UA 7269
GLAZING BEAD
If Anodised
kg/m 0.327 P 186
OAD 40 x 24.35

UA 7742
104mm RECESSED
GLAZING MULLION POST
kg/m 2.310 P 490
OAD 104 x 66.73

UA 9081
HALF HEIGHT WALL
GLAZING BASE
For 63.5mm Steel Stud
kg/m 0.877 P 376
OAD 85.30 x 38

UA 9082
GLAZING BEAD
If Powdercoated
kg/m 0.432 P 244
OAD 40 x 26

UA 9083
GLAZING BEAD
If Anodised
kg/m 0.435 P 246
OAD 40 x 26

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UA 7253
13mm GIB
HEAD STARTER
For 92mm Steel Stud
kg/m 1.030 P 571
OAD 132 x 37.3

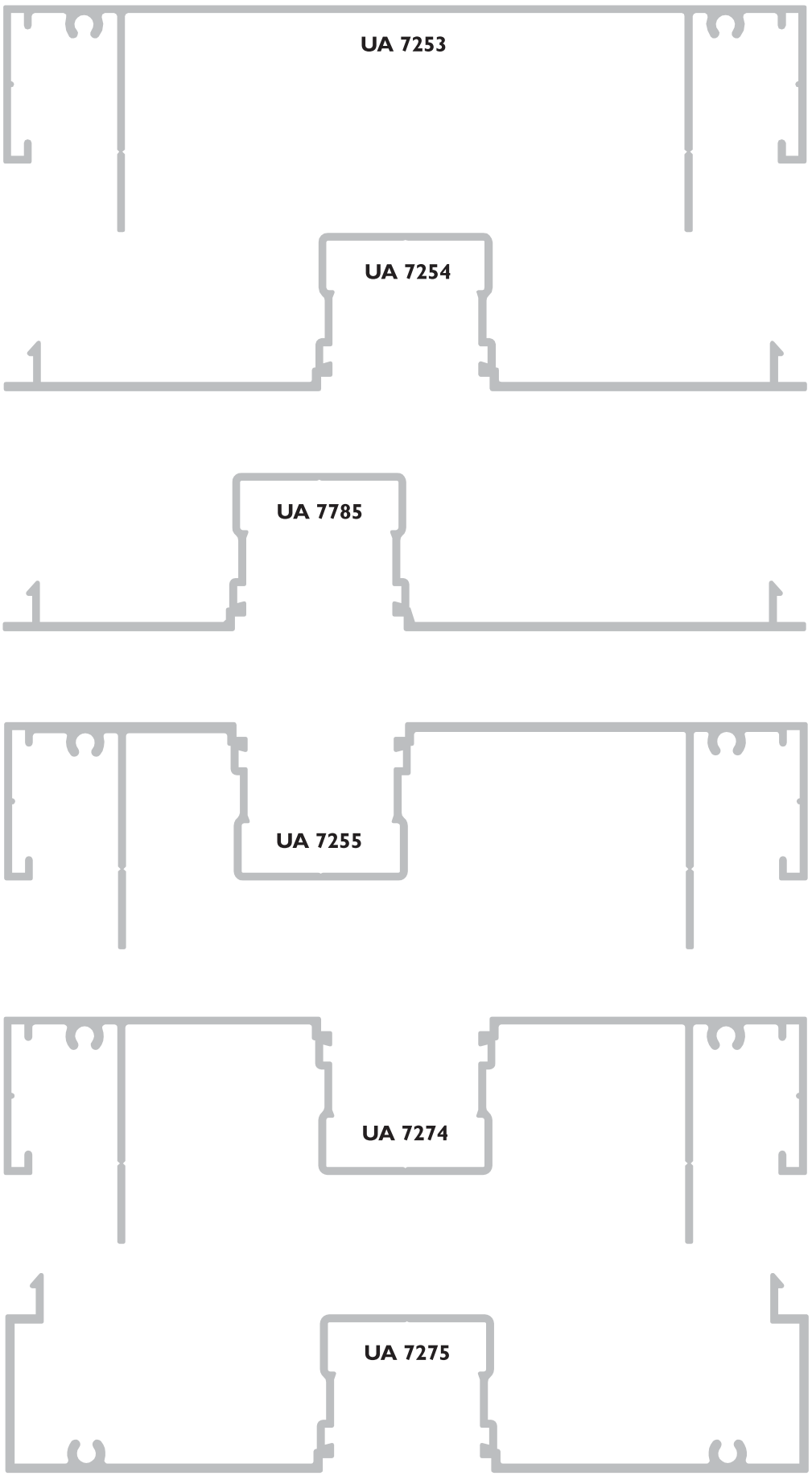
UA 7254
RECESSED STARTER CAP
kg/m 0.774 P 403
OAD 132 x 26

UA 7255
13mm GIB RECESSED
DOOR STARTER
For 92mm Steel Stud
kg/m 1.314 P 675
OAD 132 x 37.3

UA 7274
13mm GIB RECESSED
STARTER
For 92mm Steel Stud
kg/m 1.234 P 679
OAD 132 x 37.3

UA 7275
RECESSED GLAZING
MULLION CAP
kg/m 1.085 P 547
OAD 132 x 32.8

UA 7785
RECESSED DOOR
STARTER CAP
kg/m 0.774 P 403
OAD 132 x 26



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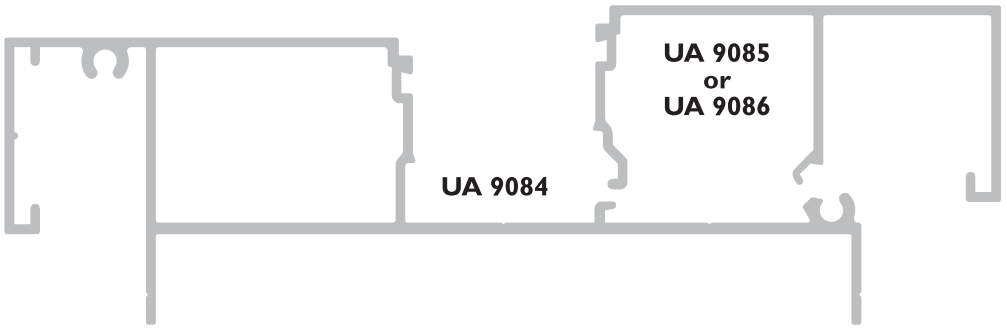


UA 7268
GLAZING BEAD
If Powdercoated
kg/m 0.324 P 184
OAD 40 x 24.35



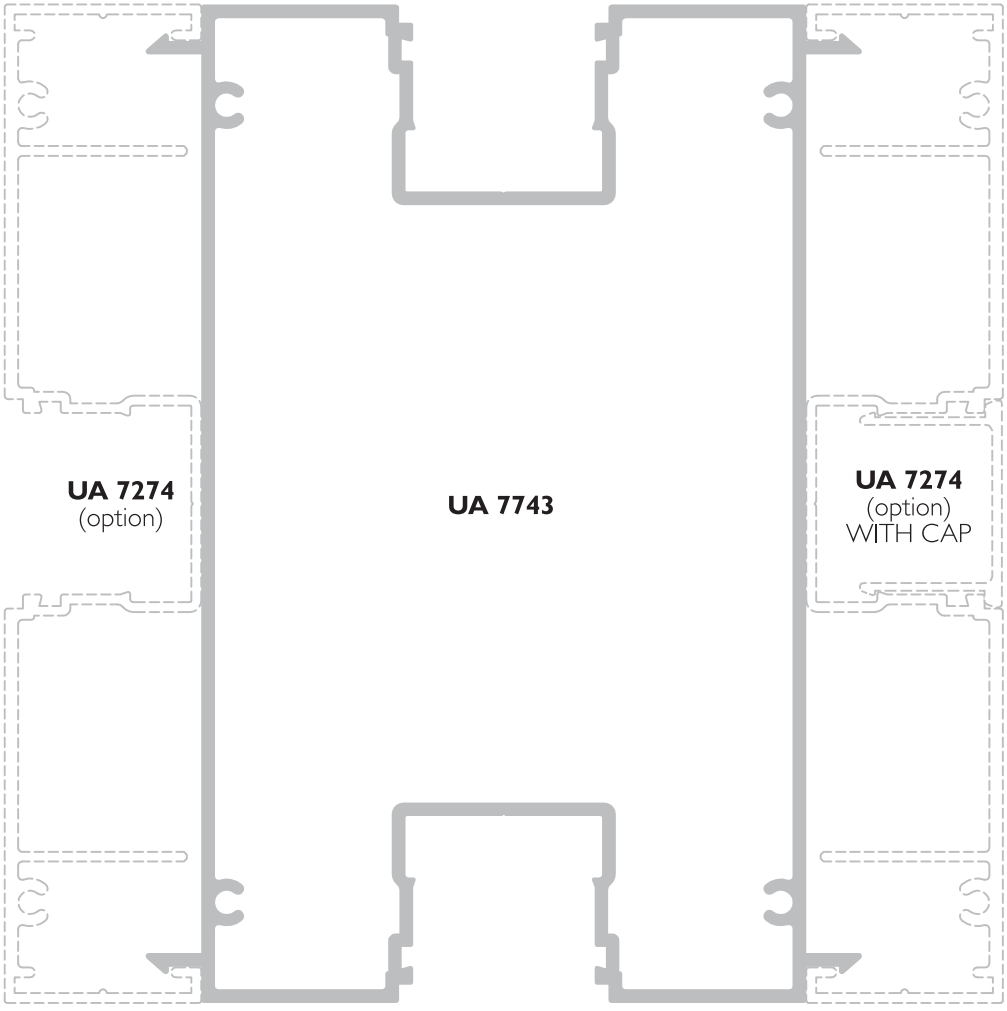
UA 7269
GLAZING BEAD
If Anodised
kg/m 0.327 P 186
OAD 40 x 24.35

UA 7270
GLAZING BASE
kg/m 0.836 P 429
OAD 132 x 26



UA 7271
GLAZING BEAD
If Powdercoated
kg/m 0.373 P 212
OAD 54 x 24.35

UA 7272
GLAZING BEAD
If Anodised
kg/m 0.376 P 214
OAD 54 x 24.35



UA 7743
132mm RECESSED
GLAZING MULLION POST
kg/m 2.854 P 602
OAD 132 x 94.73

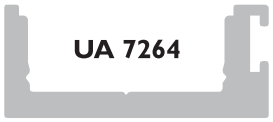
UA 7840
OFFSET GLAZING BASE
kg/m 0.858 P 428
OAD 132 x 26

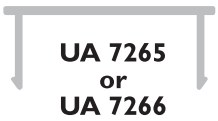
UA 9084
HALF HEIGHT WALL
GLAZING BASE
For 92mm Steel Stud
kg/m 1.040 P 432
OAD 113.30 x 38

UA 9085
GLAZING BEAD
If Powdercoated
kg/m 0.481 P 272
OAD 54 x 26

UA 9086
GLAZING BEAD
If Anodised
kg/m 0.484 P 274
OAD 54 x 26

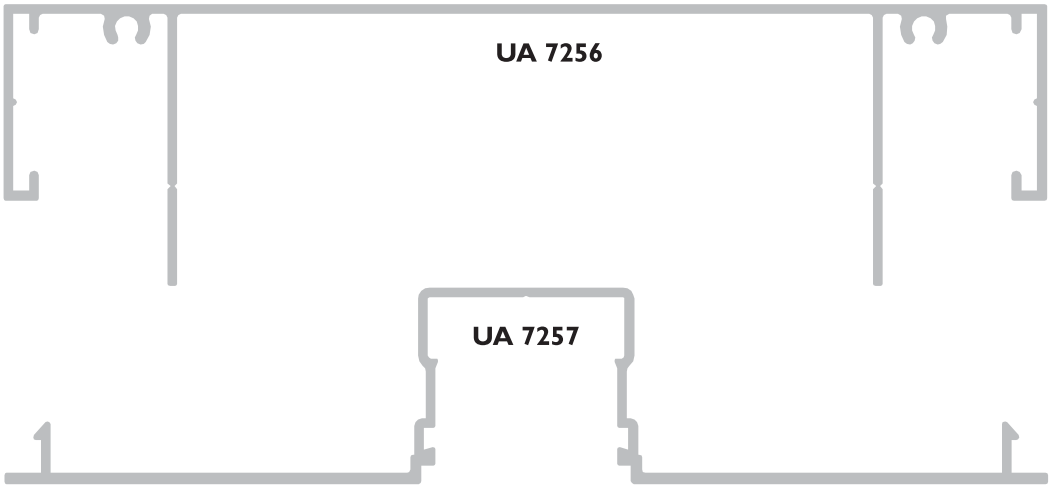
UA 1609
LOCATION CHANNEL fits 7277
kg/m 0.149 P 85
OAD 14.5 x 14.5





UA 7256
16mm GIB HEAD STARTER
For 92mm Steel Stud
kg/m 1.048 P 581
OAD 138 x 37.3

UA 7257
RECESSED
STARTER CAP
kg/m 0.798 P 415
OAD 138 x 26

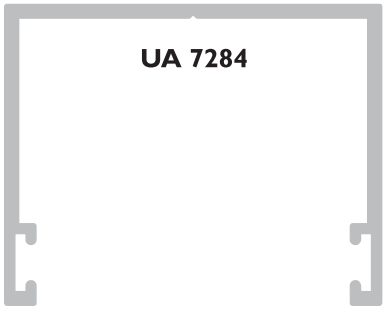


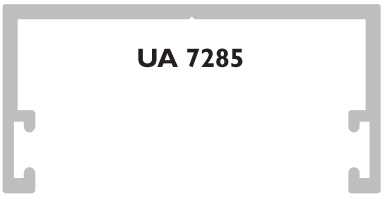
UA 7264
ADJUSTABLE
DOOR STOP
kg/m 0.561 P 132
OAD 35 x 15

UA 7265
DOOR STOP CAP
If Powdercoated
kg/m 0.145 P 98
OAD 28 x 11.1

UA 7266
DOOR STOP CAP
If Anodised
kg/m 0.147 P 98
OAD 28.3 x 11.06

UA 7284
SLIDING DOOR
TOP GUIDE
kg/m 0.723 P 285
OAD 50 x 40





UA 7285
DOOR SIDE CHANNEL
kg/m 0.561 P 225
OAD 50 x 25



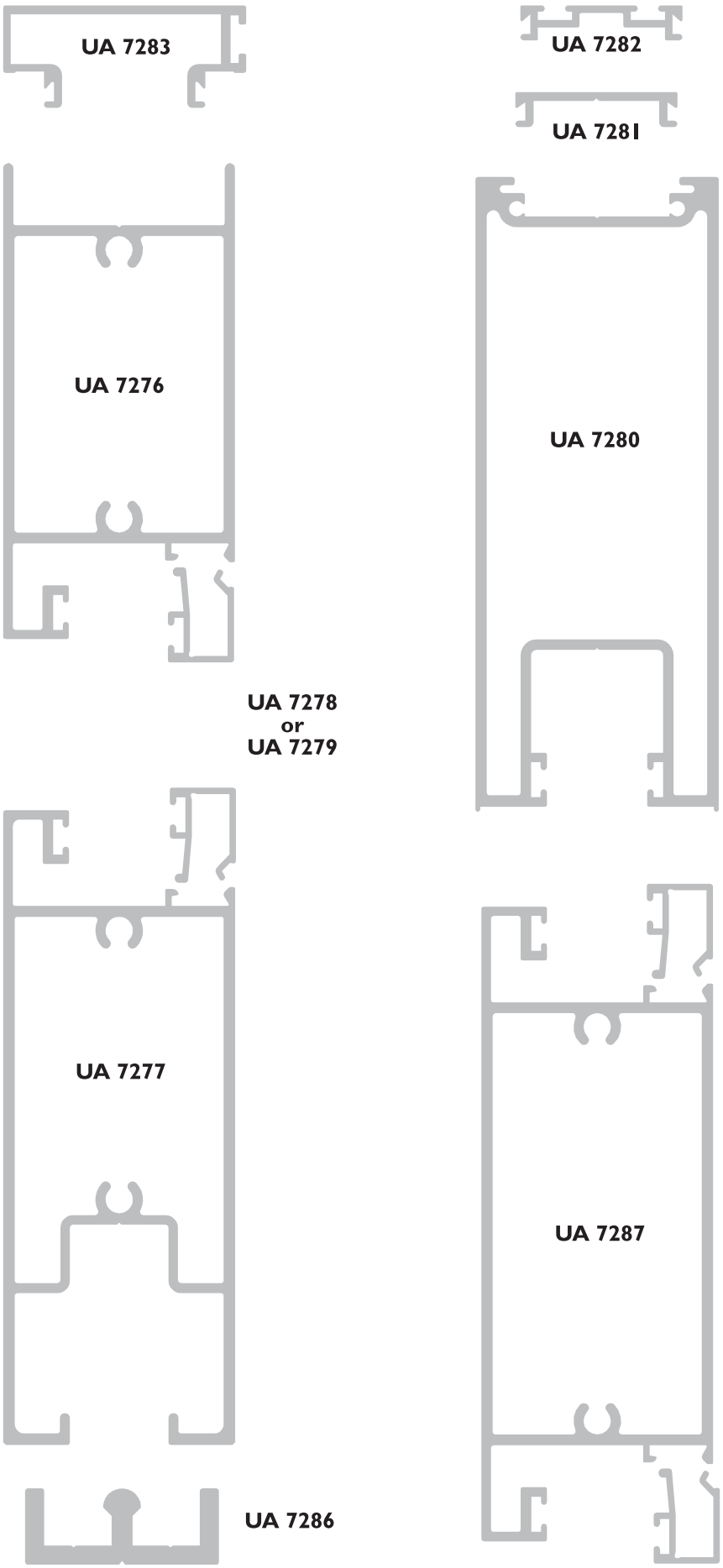
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UA 7276
DOOR TOP RAIL
kg/m 1.133 P 294
OAD 75 x 36.5

UA 7277
SLIDING DOOR BOTTOM RAIL
kg/m 1.571 P 437
OAD 100 x 36.5
Takes Adj Door Roller
Code: H915XSAS

UA 7278
GLAZING BEAD
If Powdercoated
kg/m 0.126 P 91
OAD 14.95 x 10.45

UA 7279
GLAZING BEAD
If Anodised
kg/m 0.127 P 92
OAD 14.95 x 10.45

UA 7280
DOOR SIDE RAIL
kg/m 1.656 P 385
OAD 100 x 38.3

UA 7281
DOOR CAP
kg/m 0.138 P 78
OAD 25.5 x 5.5

UA 7282
DOOR WOOLPILE CAP
kg/m 0.151 P 94
OAD 25.5 x 5.5

UA 7283
DOOR SIDE WOOLPILE CAP
kg/m 0.337 P 182
OAD 38.3 x 16.1

UA 7286
BOTTOM DOOR TRACK
kg/m 0.488 P 123
OAD 30.5 x 12

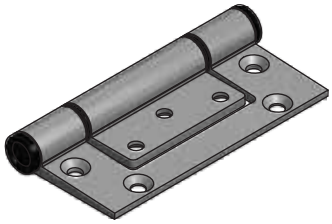
UA 7287
DOOR CENTRE MULLION
kg/m 1.407 P 379
OAD 100 x 36.5

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P = EXT PERIPHERY

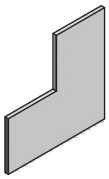
© ULLRICH ALUMINIUM CO LTD

MR = MILL RUN ONLY • NON-STOCKED ITEM • MINIMUM ORDER 200KG

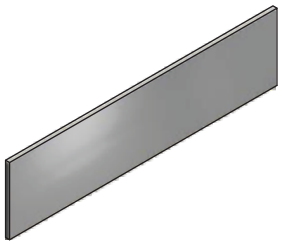
NOTE: Not all products are available ex-stock, check with your local branch for advice on availability.



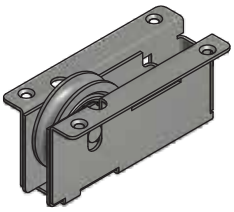
TAPERED FLUSH HINGE
Anodised Silver
Code: 20971
Powdercoated Matt Black
Code: 20968



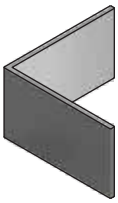
PARTITION GUSSET
Mitre Corner, Vertical
Code: PARTGUSS22.5
PKT 50



SPLICE PLATE
Butt Joint
Code: PARTSPLICE23
PKT 50



ADJ BOTTOM DOOR ROLLER
Code: H915XSAS



STAKING CORNER
Mitre Corner, Horizontal
Code: PARTSTAK23
PKT 50



HEADSTARTER RESTRAINT BRACKET
Code: PARTSTARTERBRKT
BOX 20



STEEL STUD
STUD 63.5/0.55 x 2400mm
STUD 63.5/0.55 x 2700mm
STUD 63.5/0.55 x 3000mm
STUD 63.5/0.55 x 3300mm
STUD 63.5/0.75 x 3600mm



STEEL TRACK
TRACK 63.5/0.55 x 3000mm



4mm GLAZING BACKING WEDGE
Code: PART252
Black



STEEL STUD
STUD 92/0.55 x 3000mm
STUD 92/0.55 x 3600mm
STUD 92/0.55 x 4200mm



STEEL TRACK
TRACK 92/0.55 x 3000mm



6mm GLAZING BACKING WEDGE
Code: PART253
Black



WOOLPILE
Code: PART4.8-450
Black / Grey



WOOLPILE
Code: PART6.9-450
Black / Grey



WOOLPILE
Code: PART6.9-700
Black / Grey



WOOLPILE
Code: PART6.9-900
Black / Grey



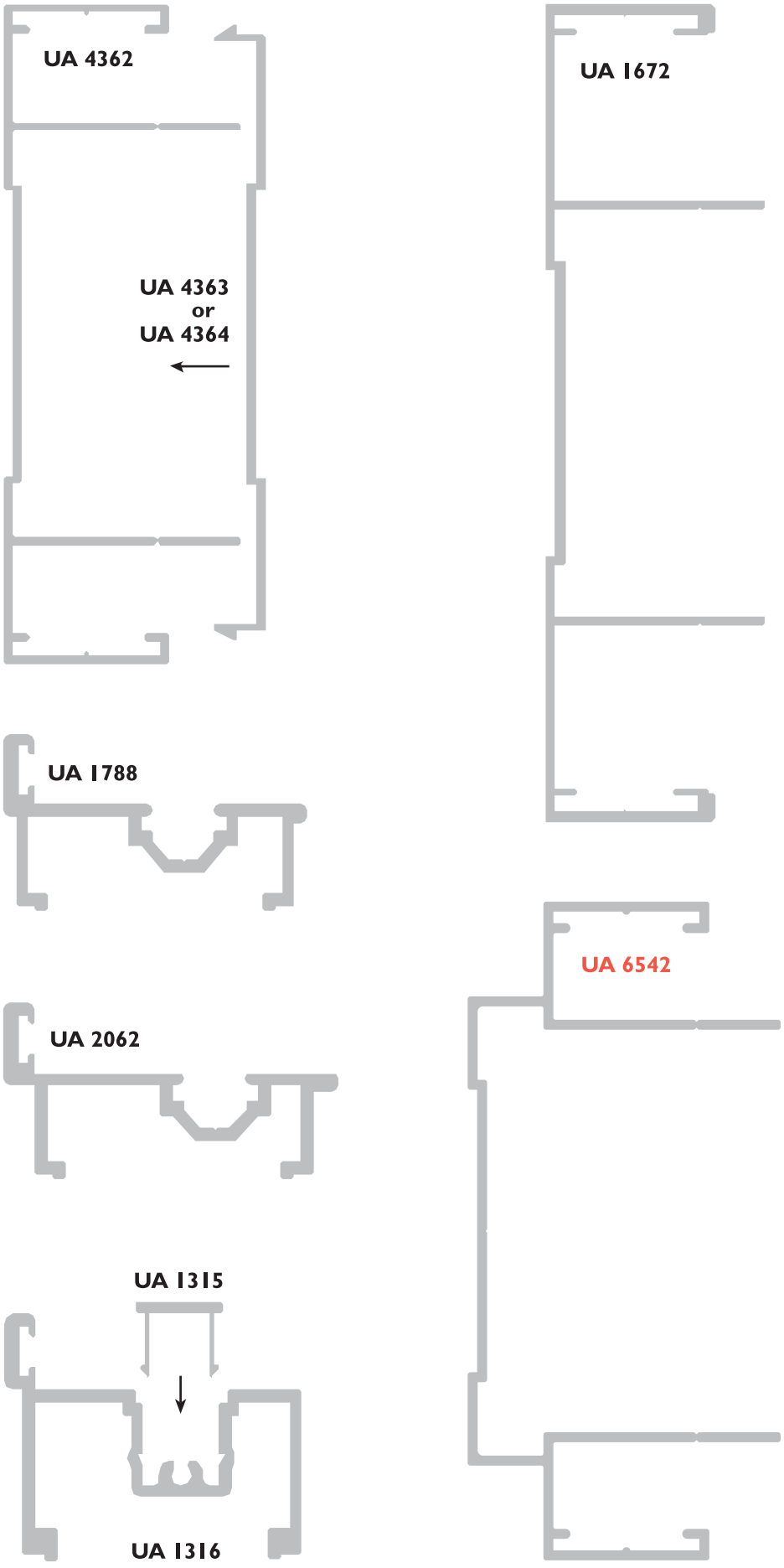
BUTTERFLY WEDGE
Code: PART466
Black

DIAGRAMS ACTUAL SIZE UNLESS OTHERWISE INDICATED.
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UA 1315
DOOR JAMB CAP
kg/m 0.100 P 73
OAD 13.8 x 11.8

UA 1316
DOOR JAMB - 40mm Door
kg/m 0.904 P 317
OAD 47 x 39

UA 1672
26mm HEAD STARTER
For 63.5mm Steel Stud
kg/m 1.131 P 538
OAD 129 x 34.6

UA 1788
DOOR JAMB - 40mm Door
kg/m 0.671 P 234
OAD 48 x 27.8

UA 2062
DOOR JAMB - 45mm Door
kg/m 0.690 P 243
OAD 53 x 27

UA 4362
13mm GIB HEAD STARTER
For 63.5mm Steel Stud
kg/m 0.863 P 492
OAD 104 x 37.3

UA 4363
13mm STARTER CAP
If Powdercoated
kg/m 0.389 P 225
OAD 96.8 x 8.14

UA 4364
13mm STARTER CAP
If Anodised
kg/m 0.391 P 227
OAD 97.6 x 8.14

UA 6542 (MR)
13mm GIB HEAD STARTER
For 63.5mm Steel Stud
Negative Detail
kg/m 0.973 P 553
OAD 104 x 49.3

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UA 1034
GLAZING BAR BASE
kg/m 0.533 P 210
OAD 44 x 26

UA 1035
GLAZING BEAD
If Powdercoated
kg/m 0.175 P 120
OAD 21 x 14.5

UA 1046
DOOR PILLAR POST
kg/m 1.072 P 288
OAD 65 x 44

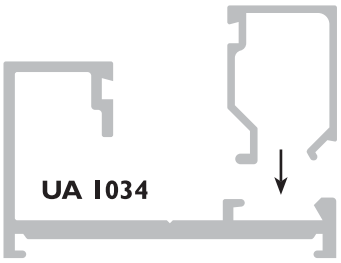
UA 1047
PILLAR POST JAMB - 40mm Door
kg/m 0.354 P 138
OAD 47 x 14

UA 1313
DOUBLE GLAZING CAP
kg/m 0.253 P 136
OAD 48.8 x 9.2

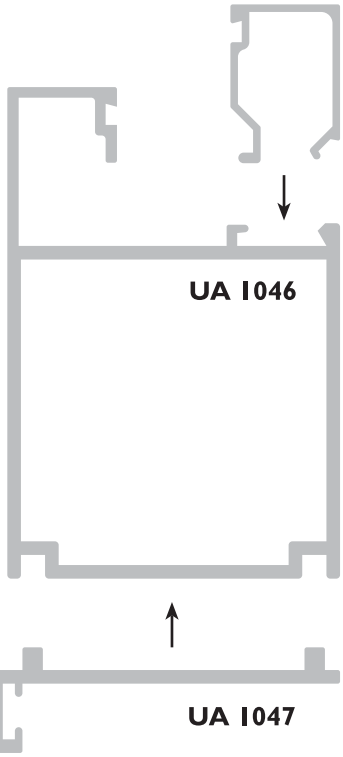
UA 1314
DOUBLE GLAZING BASE
kg/m 1.092 P 435
OAD 106 x 25.5 Infill 466

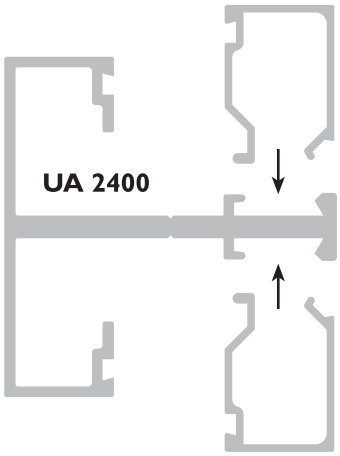
UA 2400
GLAZING BAR MULLION
kg/m 0.786 P 295
OAD 45 x 44

UA 3209
GLAZING BEAD
If Anodised
kg/m 0.178 P 121
OAD 21 x 14.5

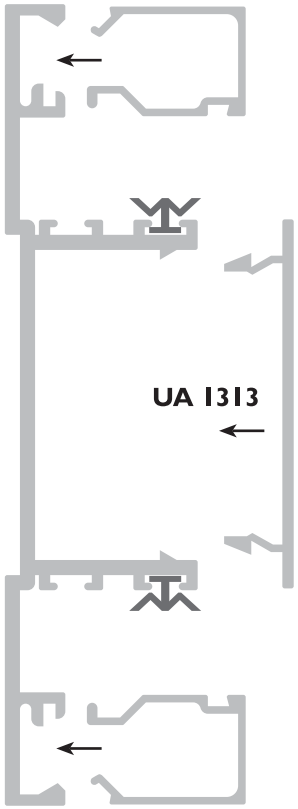


UA 1035 or UA 3209





UA 1314



BUTTERFLY WEDGE
Code: PART466
Black

INFILLS SOLD SEPARATELY

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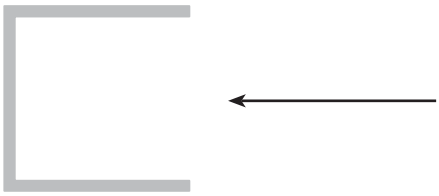
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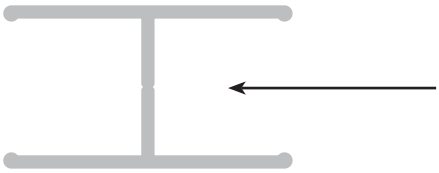
UA 1573



UA 5949



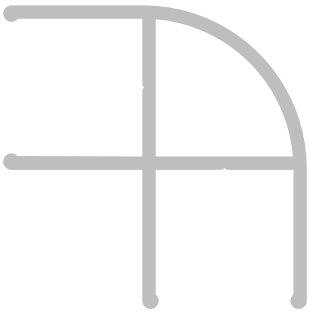
UA 6453



UA 7025



UA 6455



UA 6454





ALUMINIUM FLAT BUTT HINGE
75mm SATIN FINISH
Code: HA3S



UC 1914 PARTITION FOOT
PLATFORM HEIGHT: 150mm





SURFACE MOUNT INDICATOR BOLT SET Code: 11461

UA 1573
WALL MOUNT
kg/m 0.273 P 148
OAD 25 x 25

UA 5949
18mm CAPPING
kg/m 0.235 P 119
OAD 21.6 X 20

UA 6453
18mm JOINTER
kg/m 0.389 P 194
OAD 38.5 x 21.6

UA 6454
18mm DOOR STOP CAP
kg/m 0.304 P 153
OAD 35 x 23.1

UA 6455
18mm CORNER
kg/m 0.591 P 225
OAD 40.1 x 40.1

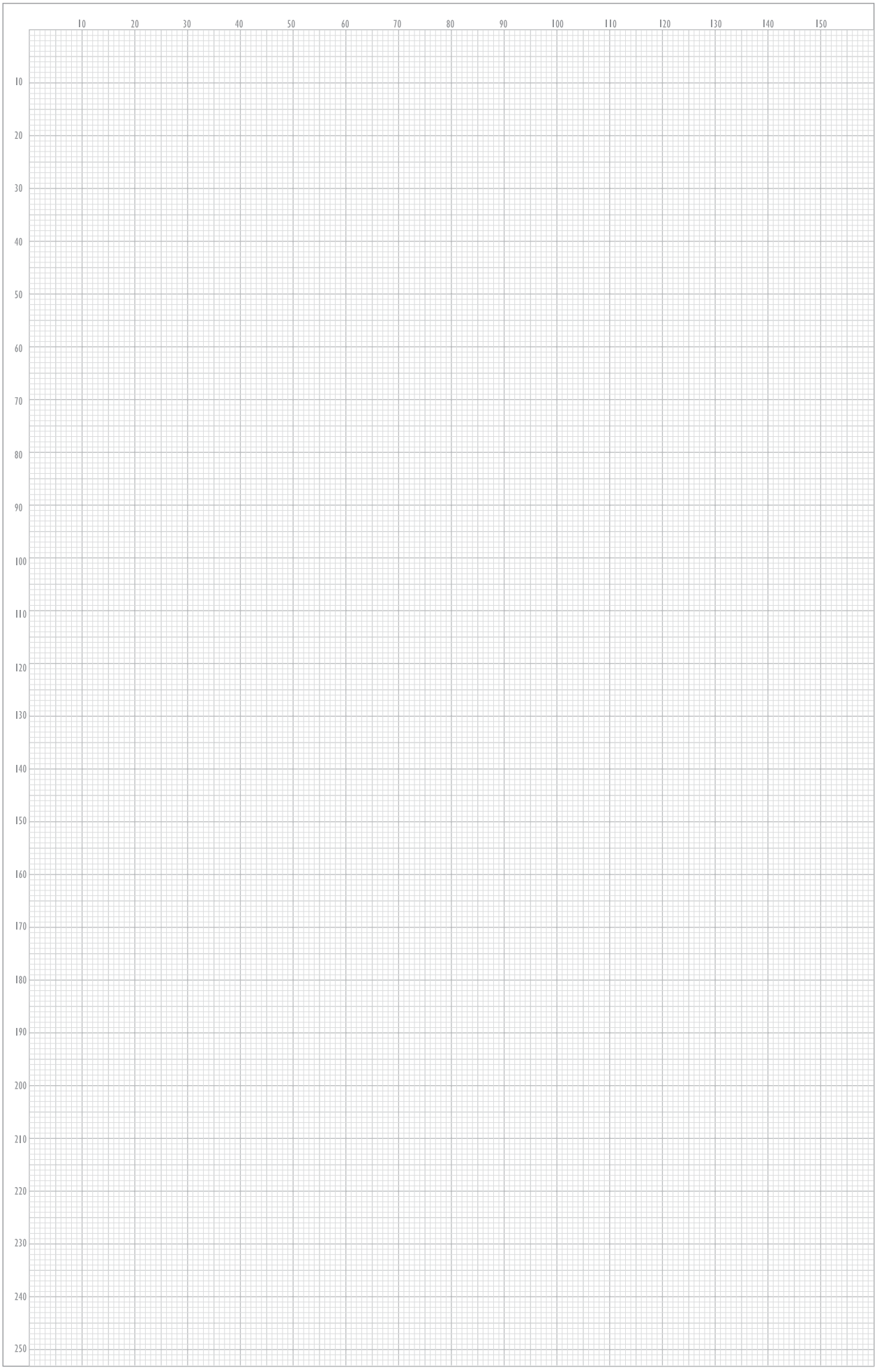
UA 7025
11mm INSERT
kg/m 0.222 P 107
OAD 21.6 x 13.6

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PLANNING GRID AND NOTES



DIE No	DESCRIPTION
UA 1037	EASY DUCT LID
UA 1038	EASY DUCT BASE
UA 1039	EASY DUCT BASE
UA 1040	CAVITY DUCT BASE
UA 1041	DUCT DIVIDER
UA 1042	DUCT LID
UA 1043	DUCT BASE CHANNEL
UA 1593	DUCT LID
UA 1594	DUCT CHANNEL
UA 1595	DUCT CHANNEL
UA 1596	DUCT CHANNEL
UA 1597	DUCT CHANNEL
UA 1598	DUCT CHANNEL
UA 1600	DUCT CHANNEL
UA 1854	DUCT LID
UA 1867	DUCT LID
UA 1925	DUCT CHANNEL
UA 2046	DUCT CHANNEL
UA 2047	DUCT LID
UA 4476	DUCT CHANNEL
UA 5045	DUCT CHANNEL
UA 5336	DUCT LID
UA 5337	DUCT LID
UA 5346	DUCT LID
UA 5917	DOUBLE DUCT CHANNEL
UA 5918	DOUBLE DUCT LID
UA 5928	DUCT LID
UA 6214	DUCT CHANNEL
UA 6382	DUCT CHANNEL
UA 7023	DUCT CHANNEL
UA 7024	DUCT LID
UA 7702	DUCT CHANNEL
UA 7446	DUCT CHANNEL
UA 7447	DUCT LID
UA 7778	DOUBLE DUCT CHANNEL

NOTE: RED INDICATES

= MILL RUN ONLY = NON-STOCKED ITEM

MINIMUM ORDER QUANTITY 200KG

CONTACT YOUR LOCAL BRANCH TO ENQUIRE

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UA 1037
EASY DUCT LID (2C, 3C)
kg/m 0.868 P 329
OAD 136 x 10

UA 1038
EASY DUCT BASE (2C)
kg/m 1.449 P 559
OAD 136 x 41

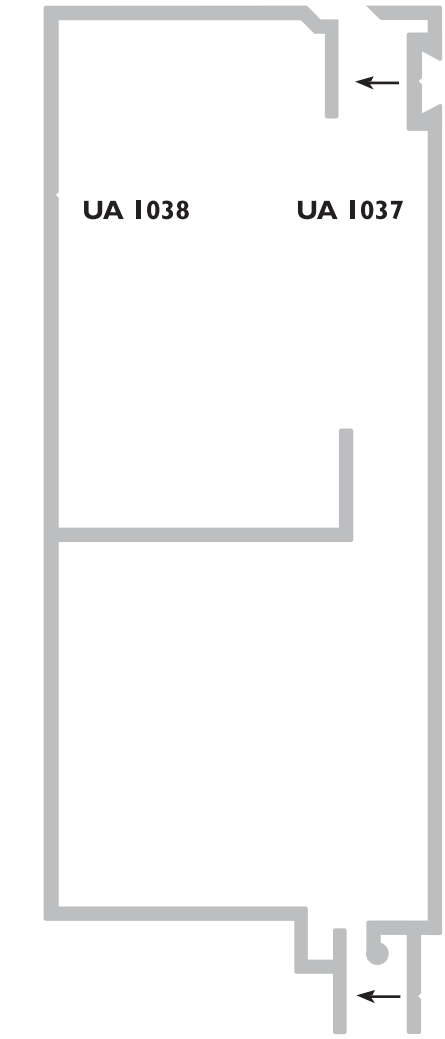
UA 1039
EASY DUCT BASE (3C)
kg/m 1.668 P 645
OAD 136 x 41

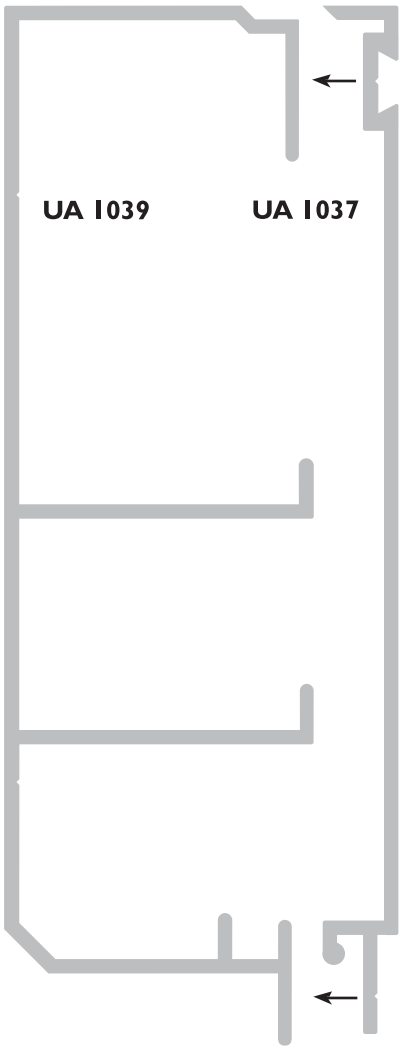
UA 1040
CAVITY DUCT BASE
kg/m 0.949 P 432
OAD 84 x 44

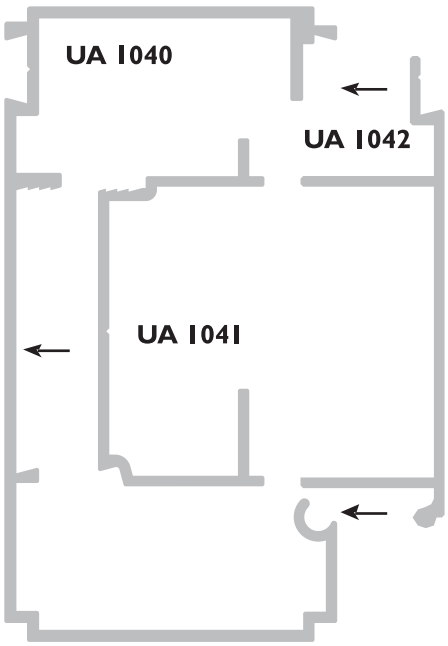
UA 1041
DUCT DIVIDER
kg/m 0.400 P 196
OAD 46 x 22

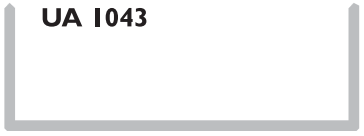
UA 1042
DUCT LID
kg/m 0.412 P 207
OAD 62.5 x 19

UA 1043
DUCT BASE CHANNEL
kg/m 0.307 P 158
OAD 47 x 17





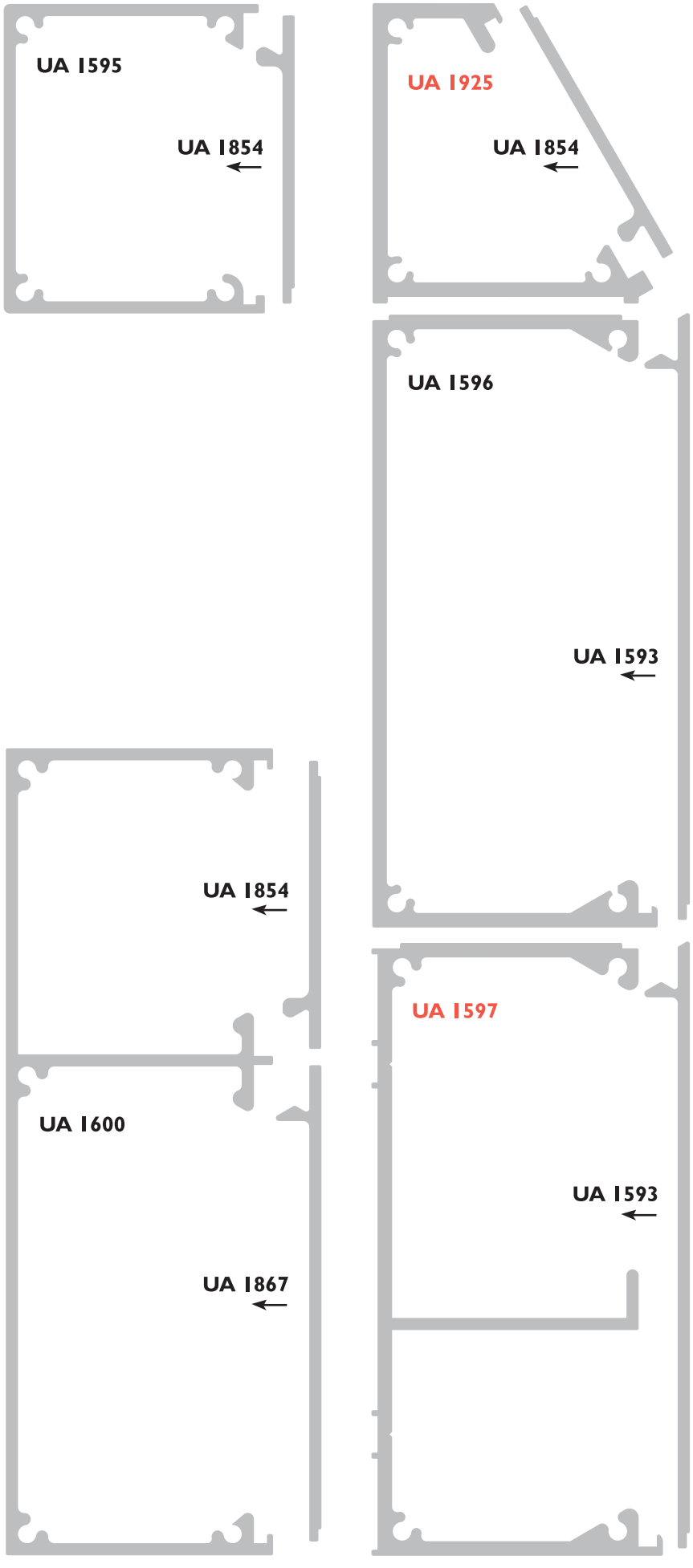




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UA 1593
DUCT LID (KSD18, 18/2)
kg/m .564 P 214
OAD 100 x 7.5

UA 1595
DUCT CHANNEL (KMP09)
kg/m 0.828 P 307
OAD 51 x 43

UA 1596
DUCT CHANNEL (KSD18)
kg/m 1.367 P 418
OAD 101 x 47

UA 1597 (MR)
DUCT CHANNEL (KSD18/2)
kg/m 1.699 P 522
OAD 101 x 48

UA 1600
DUCT CHANNEL (KSD27)
kg/m 1.649 P 593
OAD 133 x 44

UA 1854
DUCT LID Sml (KMP09, KSD17, KSD27)
kg/m 0.282 P 107
OAD 47.5 x 6.35

UA 1867
DUCT LID Lge (KSD27)
kg/m 0.450 P 171
OAD 78.5 x 7.5

UA 1925 (MR)
DUCT CHANNEL (KSD17)
kg/m 0.899 P 265
OAD 49.5 x 46.2

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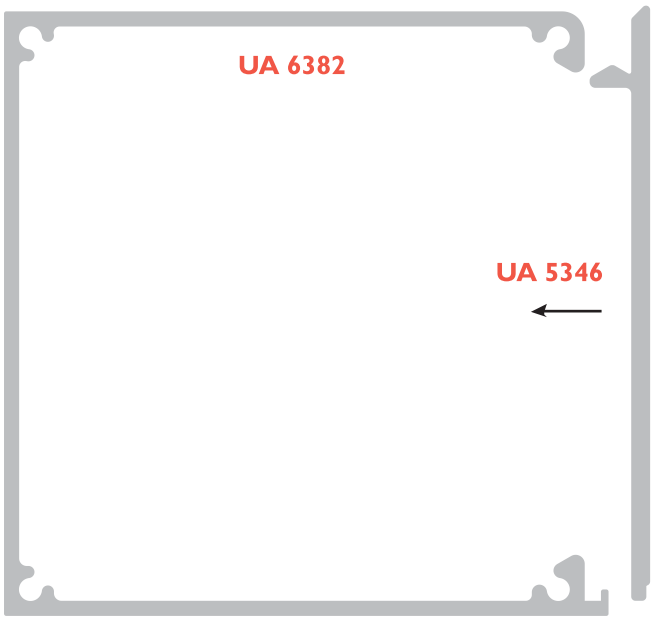
UA 5346 (MR)
DUCT LID
kg/m 0.442 P 169
OAD 77.9 x 7.5

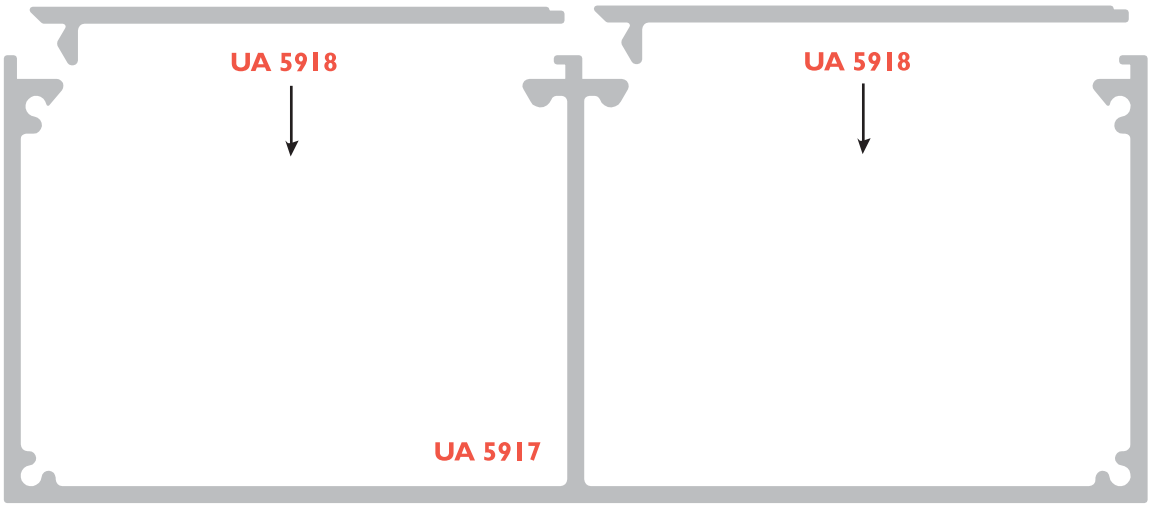
UA 5917 (MR)
DOUBLE DUCT CHANNEL
kg/m 1.963 P 710
OAD 151 x 59

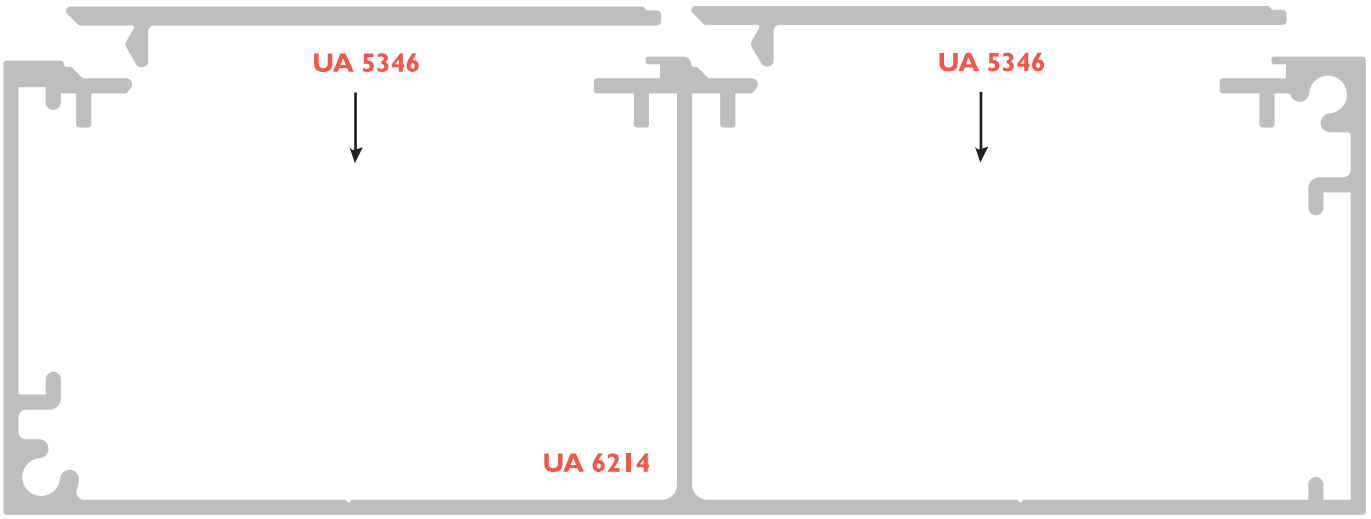
UA 5918 (MR)
DOUBLE DUCT LID
kg/m 0.402 P 154
OAD 70.5 x 7.5

UA 6214 (MR)
DOUBLE DUCT CHANNEL
kg/m 2.632 P 910
OAD 180 x 60

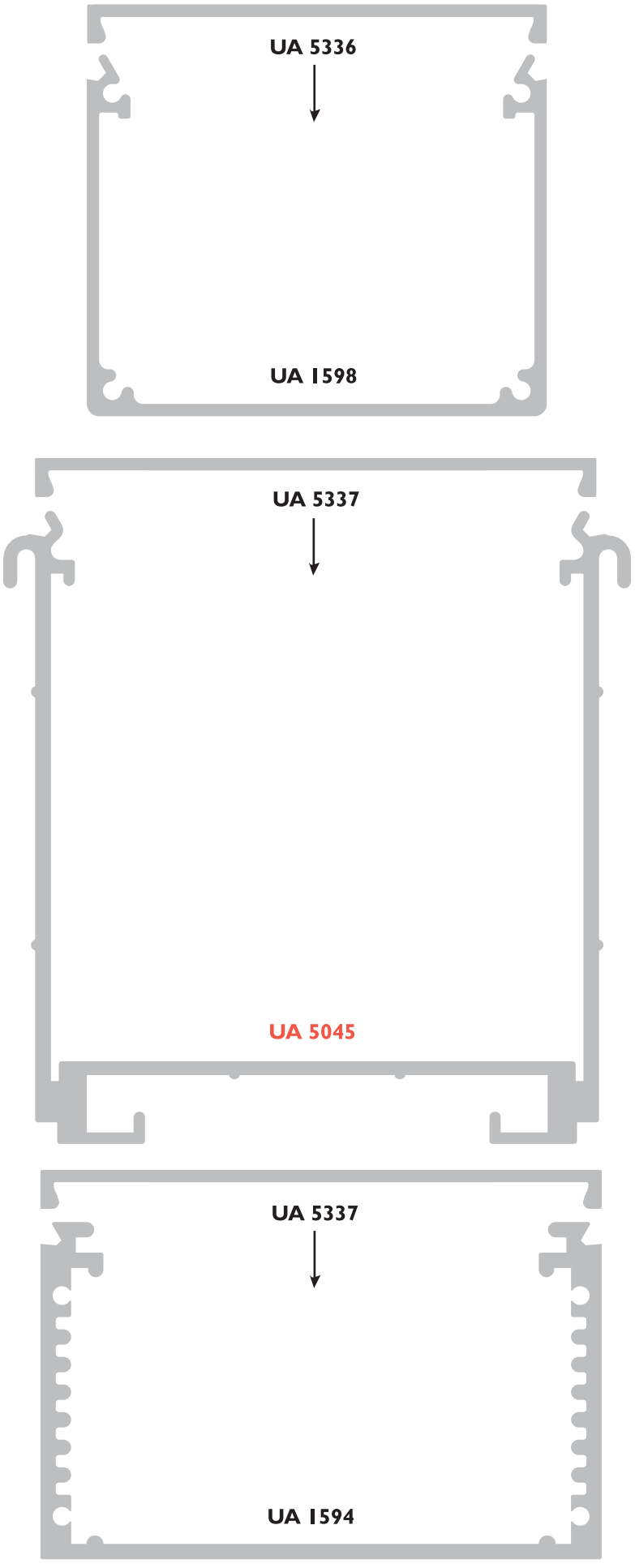
UA 6382 (MR)
DUCT CHANNEL
kg/m 1.413 P 511
OAD 80 x 80







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UA 1594
DUCT CHANNEL (KMP13)
kg/m 1.856 P 512
OAD 91.5 x 55

UA 1598
DUCT CHANNEL (KMP19)
kg/m 1.397 P 417
OAD 75 x 59

UA 5045 (MR)
DUCT CHANNEL (KPL04)
kg/m 2.303 P 722
OAD 103 x 102.1

UA 5336
DUCT LID (KMP19)
kg/m 0.384 P 173
OAD 75 x 7.1

UA 5337
DUCT LID (KMP13, KPL04)
kg/m 0.462 P 205
OAD 91.5 x 6.75

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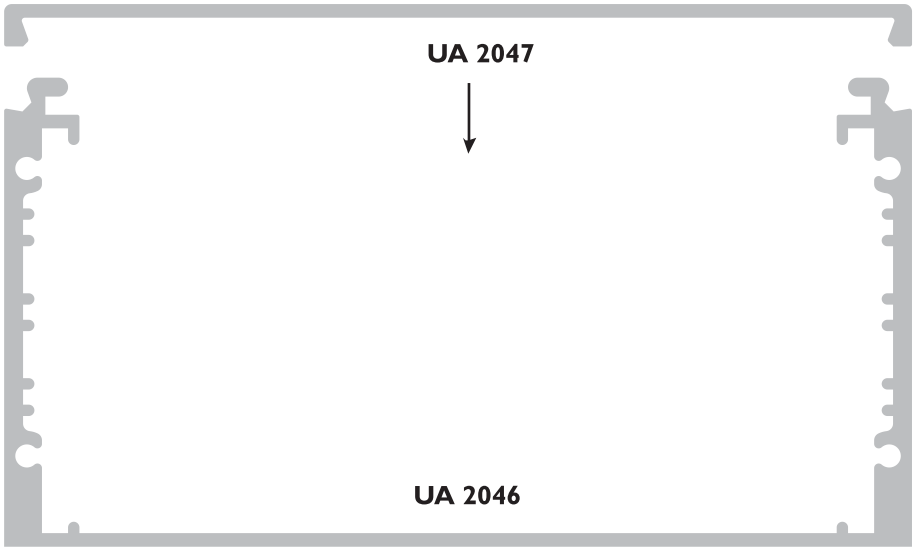
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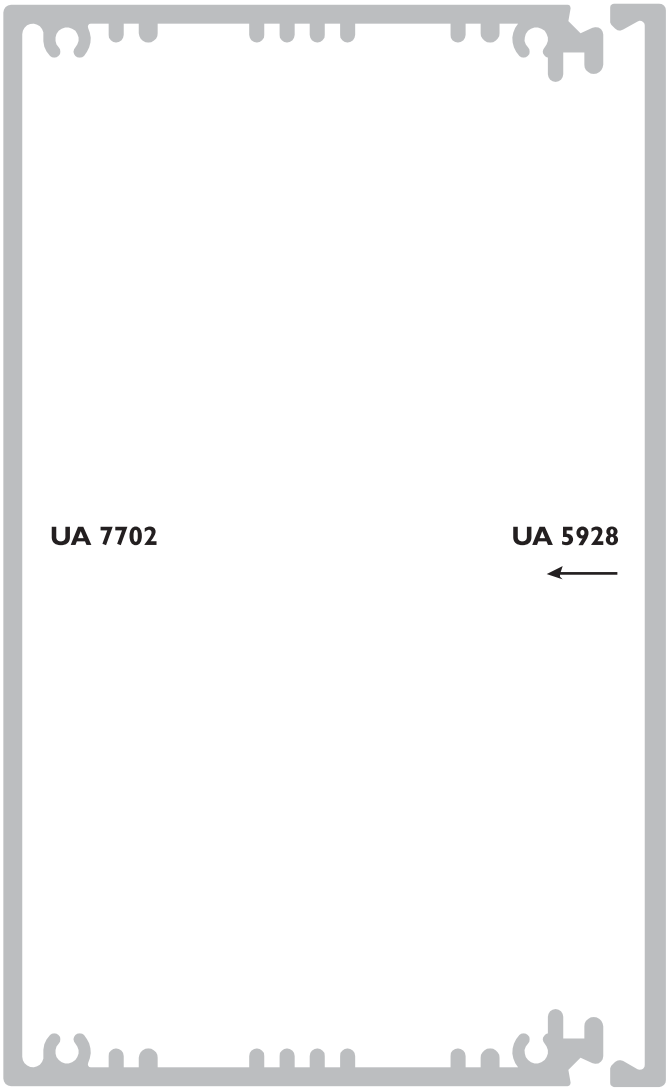
UA 2046
DUCT CHANNEL (KMP26)
kg/m 1.802 P 586
OAD 120 x 62

UA 2047
DUCT LID (KMP26)
kg/m 0.639 P 259
OAD 120 x 5.6

UA 5928
DUCT LID (KMP20)
kg/m 1.046 P 310
OAD 143 x 7.13

UA 7702
DUCT CHANNEL (KMP20)
kg/m 2.506 P 745
OAD 143 x 79.3





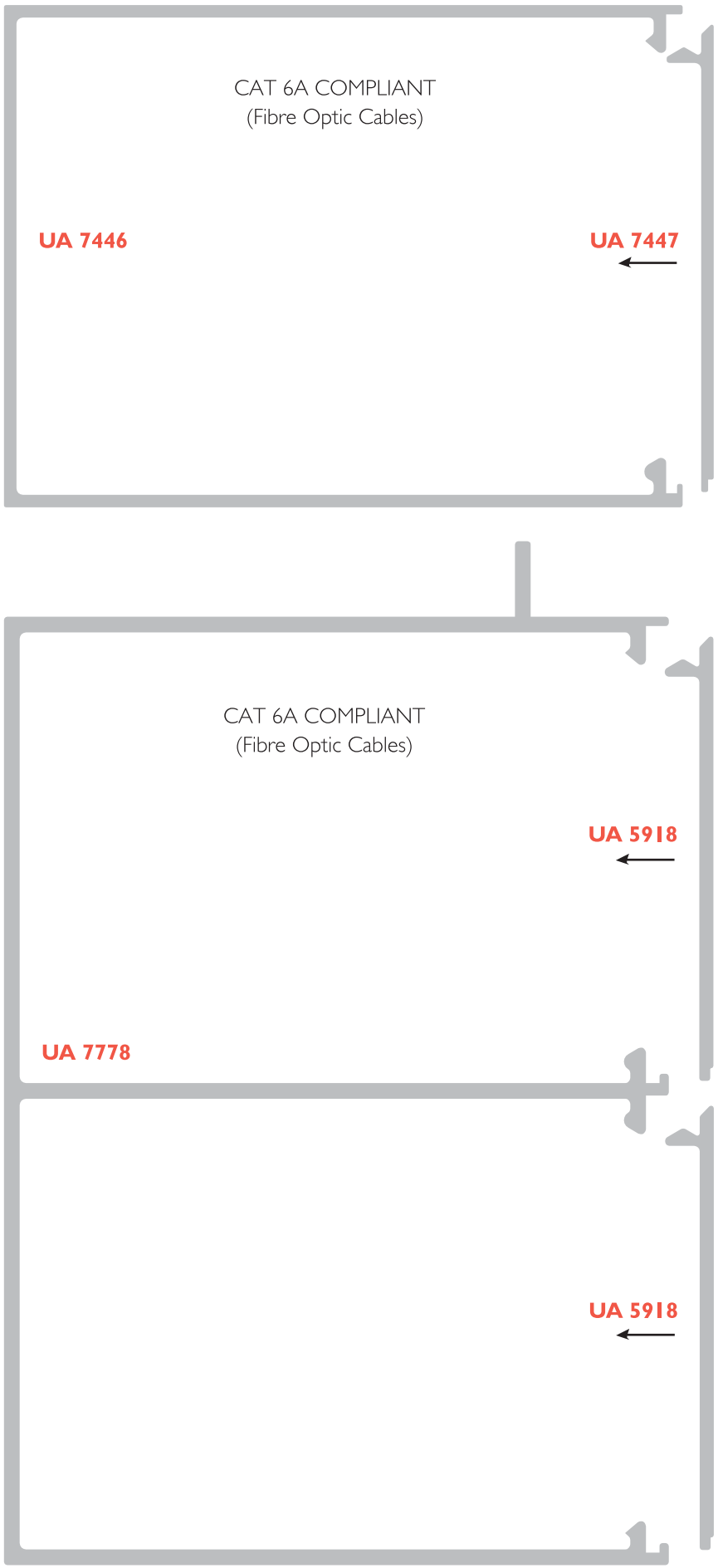
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UA 5918 (MR)
DOUBLE DUCT LID
kg/m 0.402 P 154
OAD 70.5 x 7.5

UA 7446 (MR)
DUCT CHANNEL
kg/m 1.655 P 613
OAD 108.1 x 80

UA 7447 (MR)
DUCT LID
kg/m 0.421 P 162
OAD 74.45 x 7.5

UA 7778 (MR)
DOUBLE DUCT CHANNEL
kg/m 3.335 P 993
OAD 163 x 105.9

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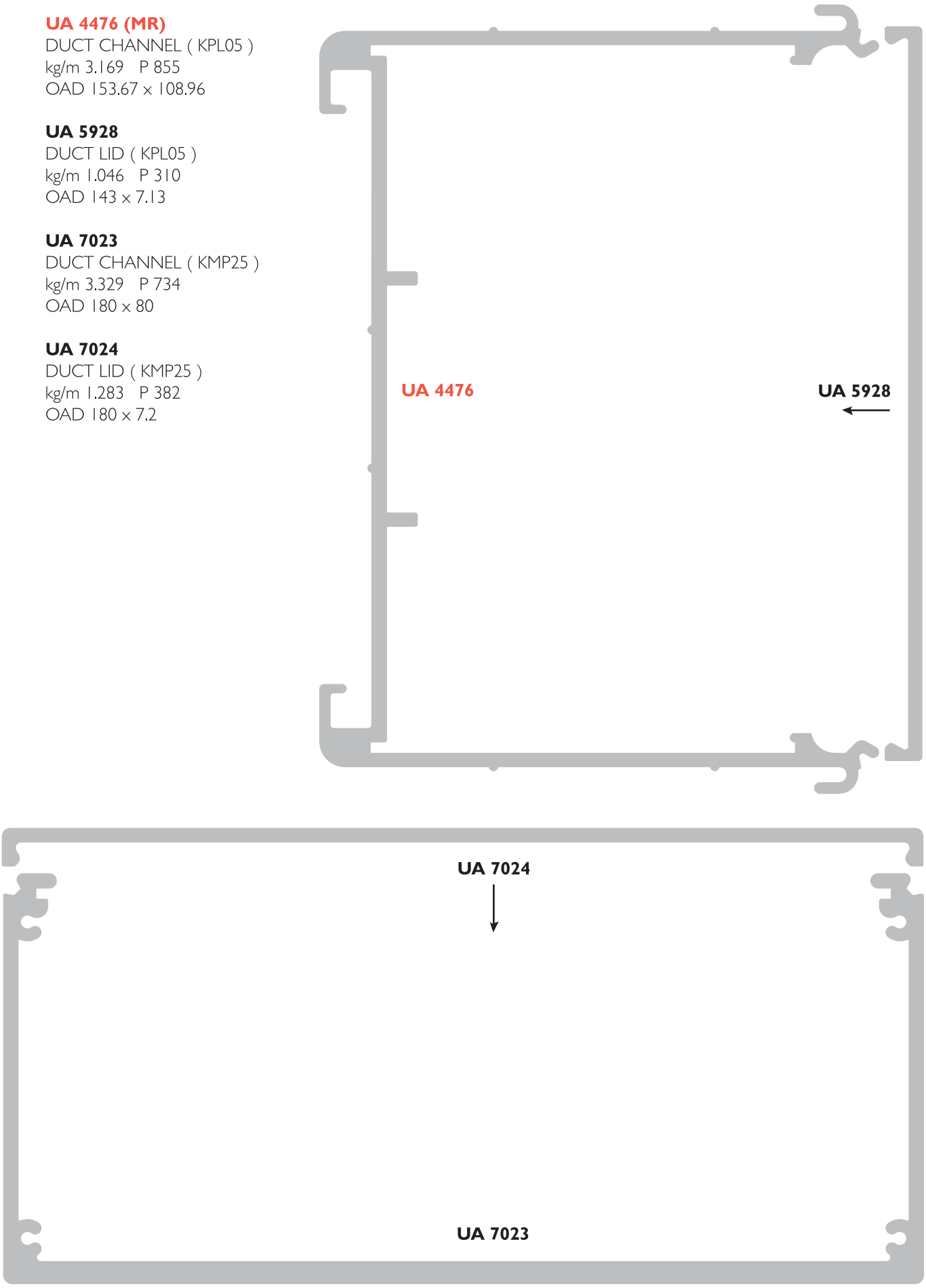
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UA 4476 (MR)
DUCT CHANNEL (KPL05)
kg/m 3.169 P 855
OAD 153.67 x 108.96

UA 5928
DUCT LID (KPL05)
kg/m 1.046 P 310
OAD 143 x 7.13

UA 7023
DUCT CHANNEL (KMP25)
kg/m 3.329 P 734
OAD 180 x 80

UA 7024
DUCT LID (KMP25)
kg/m 1.283 P 382
OAD 180 x 7.2



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DIE No	DESCRIPTION

75mm SHOP FRONT

UA 1285	MULLION
UA 1286	MULLION
UA 1287	GLAZING BEAD
UA 1288	MULLION
UA 1289	SILL TRANSOM
UA 1290	MULLION
UA 1291	GLAZING INFILL
UA 1292	FLUSH INFILL
UA 1333	POCKET FILLER

100mm SHOP FRONT

UA 1291	GLAZING INFILL
UA 1292	FLUSH INFILL
UA 1295	MULLION
UA 1296	GLAZING BEAD
UA 1297	SILL TRANSOM
UA 1299	MULLION
UA 1333	POCKET FILLER
UA 3088	PLAIN MULLION
UA 3920	GLAZING INFILL
UA 3921	GLAZING BEAD
UA 3923	MULLION
UA 4837	POCKET FILLER
UA 4864	POCKET FILLER

DIE No	DESCRIPTION

GENERAL SHOP FRONT

UA 1293	FLASHING
UA 1294	CORNER POST
UA 1298	FLASHING
UA 1309	DOOR HANDLE

COMMERCIAL DOOR

UA 1070	TOP RAIL
UA 1300	HINGE STILE
UA 1301	WOOLPILE STILE
UA 1302	PLAIN STILE
UA 1303	GLAZING BEAD
UA 1304	VISION RAIL CAP
UA 1305	TOP TRACK
UA 1306	BOTTOM RAIL
UA 1307	BOTTOM TRACK
UA 1308	VISION RAIL
UA 1310	WOOLPILE DOOR STOP
UA 2369	STILE GUIDE
UA 2370	STILE
UA 3922	GLAZING BEAD
UA 4175	STILE
UA 4576	STILE
UA 4577	HINGE STILE
UA 4907	HINGE STILE
UA 4908	LOCK STILE
UA 4909	TOP RAIL
UA 4910	MID RAIL
UA 4911	BOTTOM RAIL

NOTE: RED INDICATES

= MILL RUN ONLY = NON-STOCKED ITEM

MINIMUM ORDER QUANTITY 200KG

CONTACT YOUR LOCAL BRANCH TO ENQUIRE

DIAGRAMS ACTUAL SIZE UNLESS OTHERWISE INDICATED. DIAGRAMS ARE SCHEMATIC ONLY AND NOT INTENDED AS SPECIFICATION DRAWINGS.
OAD = OVERALL DIMENSIONS
P = EXT PERIPHERY

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UA 1285
MULLION
kg/m 1.380 P 499
OAD 76.2 x 44.5

UA 1286
MULLION
kg/m 1.779 P 313
OAD 76.2 x 44.5

UA 1287
GLAZING BEAD
kg/m 0.239 P 147
OAD 30.8 x 18.5

UA 1288
MULLION
kg/m 1.483 P 242
OAD 76.2 x 44.5

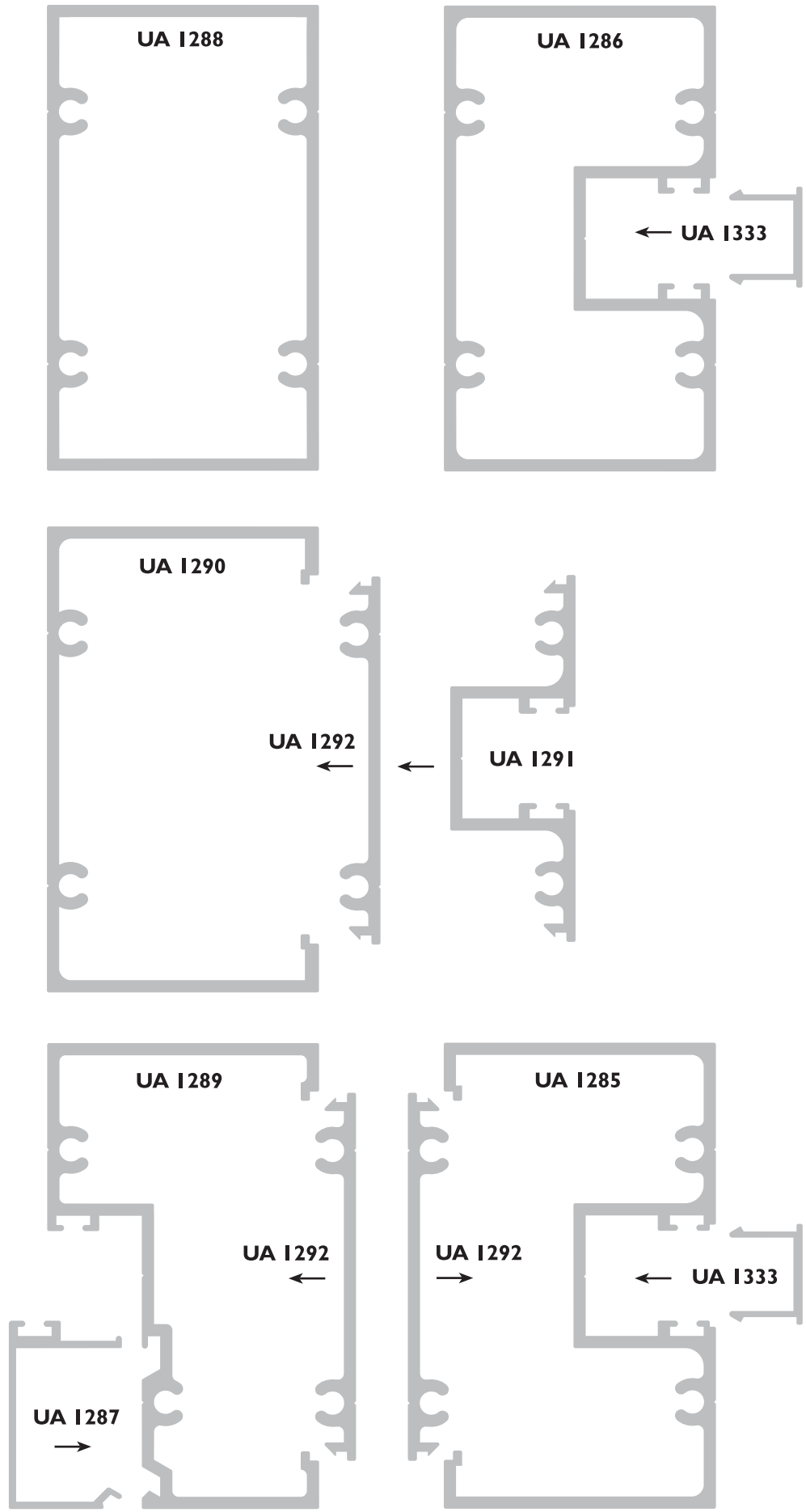
UA 1289
SILL TRANSOM
kg/m 1.136 P 414
OAD 76.2 x 44.5

UA 1290
MULLION
kg/m 1.074 P 388
OAD 76.2 x 44.5

UA 1291
GLAZING INFILL
kg/m 0.719 P 268
OAD 60.2 x 20.5

UA 1292
FLUSH INFILL
kg/m 0.454 P 169
OAD 60.2 x 6.7

UA 1333
POCKET FILLER
kg/m 0.121 P 78
OAD 16.5 x 12



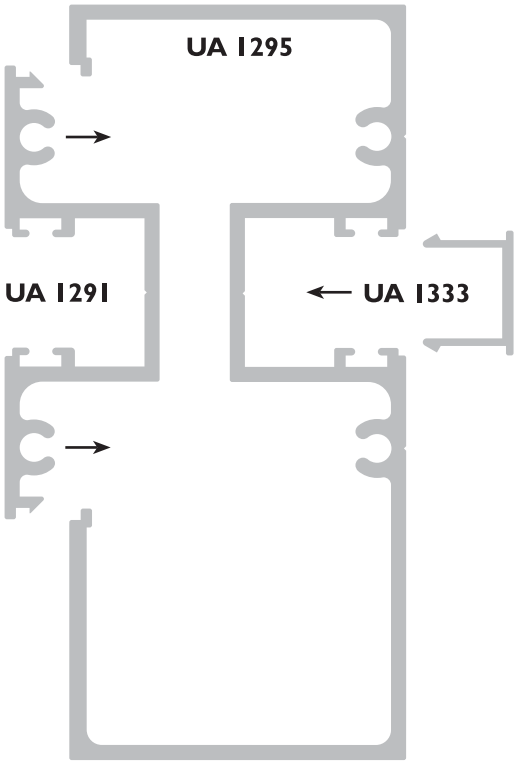
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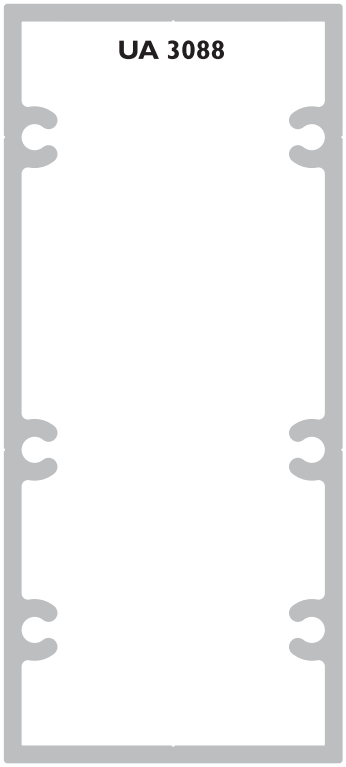
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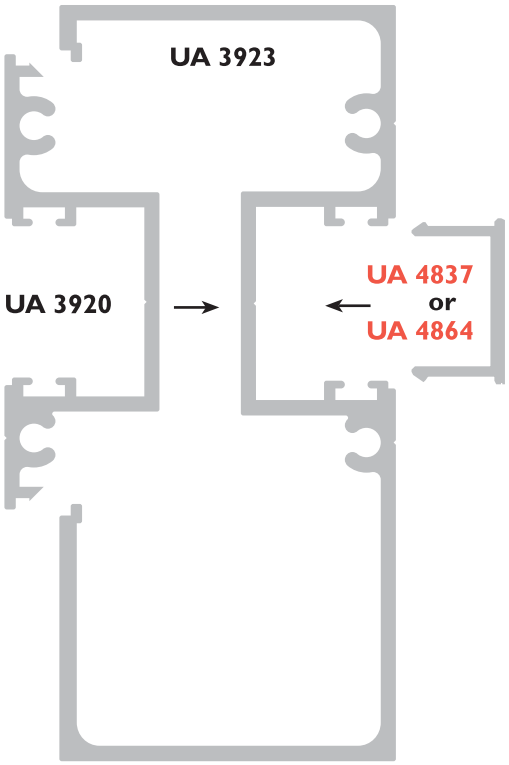
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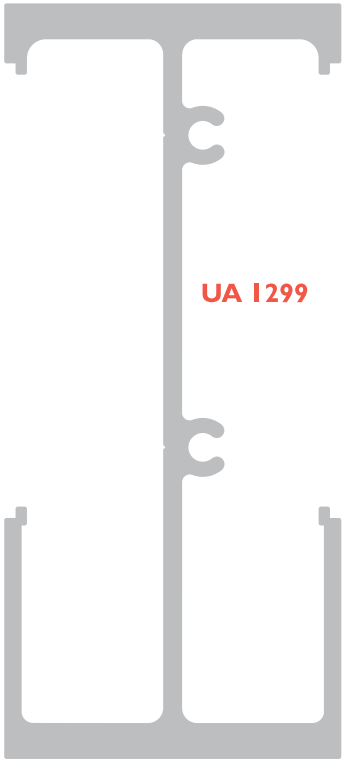
MR = MILL RUN ONLY • NON-STOCKED ITEM • MINIMUM ORDER 200KG

NOTE: Not all products are available ex-stock, check with your local branch for advice on availability.









UA 1291
GLAZING INFILL
kg/m 0.719 P 268
OAD 60.2 x 20.5

UA 1295
MULLION
kg/m 1.653 P 592
OAD 100 x 44.5

UA 1299 (MR)
MULLION
kg/m 2.335 P 536
OAD 100 x 44.5

UA 1333
POCKET FILLER
kg/m 0.121 P 78
OAD 16.5 x 12

UA 3088
PLAIN MULLION
kg/m 1.848 P 290
OAD 100 x 44.5

UA 3920
GLAZING INFILL
kg/m 0.710 P 261
OAD 60.2 x 20.5

UA 3923
MULLION
kg/m 1.645 P 586
OAD 100 x 44.5

UA 4837 (MR)
POCKET FILLER
If Anodised
kg/m 0.141 P 87
OAD 21.6 x 11.7

UA 4864 (MR)
POCKET FILLER
If Powdercoated
kg/m 0.142 P 88
OAD 21.6 x 12

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MR = MILL RUN ONLY • NON-STOCKED ITEM • MINIMUM ORDER 200KG
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UA 1292
FLUSH INFILL
kg/m 0.454 P 169
OAD 60.2 x 6.7

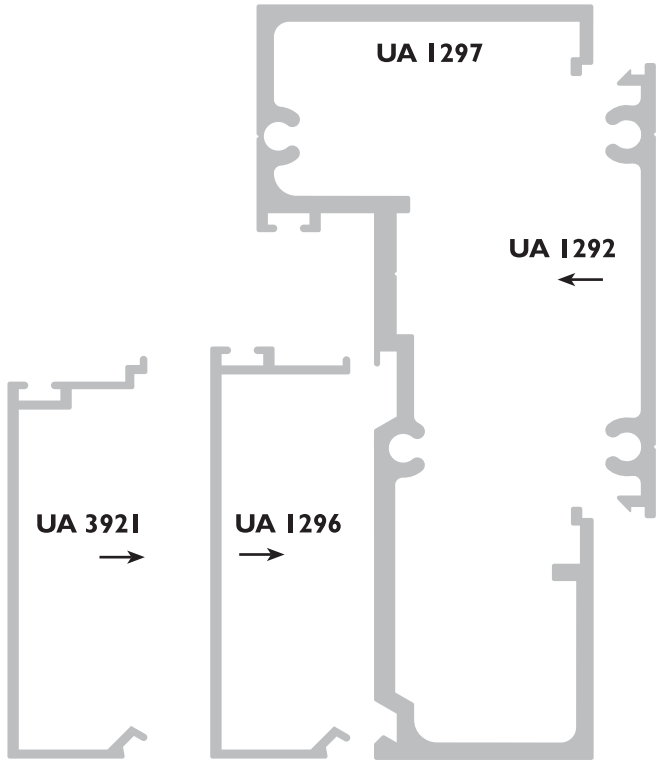
UA 1294 (MR)
CORNER POST
kg/m 1.720 P 602
OAD 76 x 76

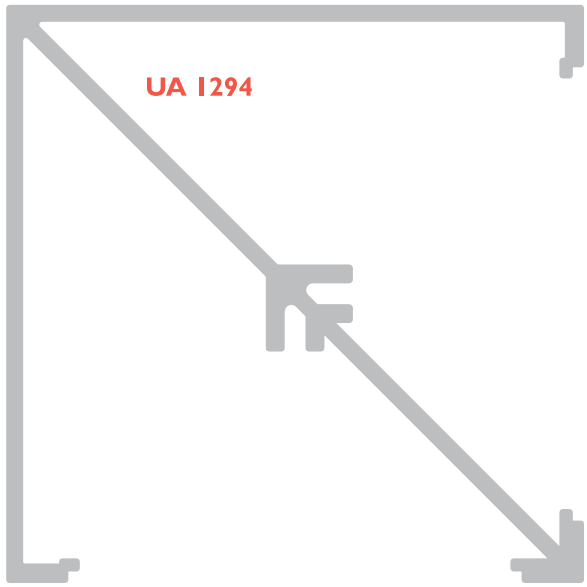
UA 1296
GLAZING BEAD
kg/m 0.357 P 195
OAD 54.55 x 18.5

UA 1297
SILL TRANSOM
kg/m 1.650 P 515
OAD 100 x 44.5

UA 1309
DOOR HANDLE
kg/m 1.817 P 331
OAD 89.6 x 49.8

UA 3921
GLAZING BEAD
kg/m 0.341 P 189
OAD 53.25 x 18.5







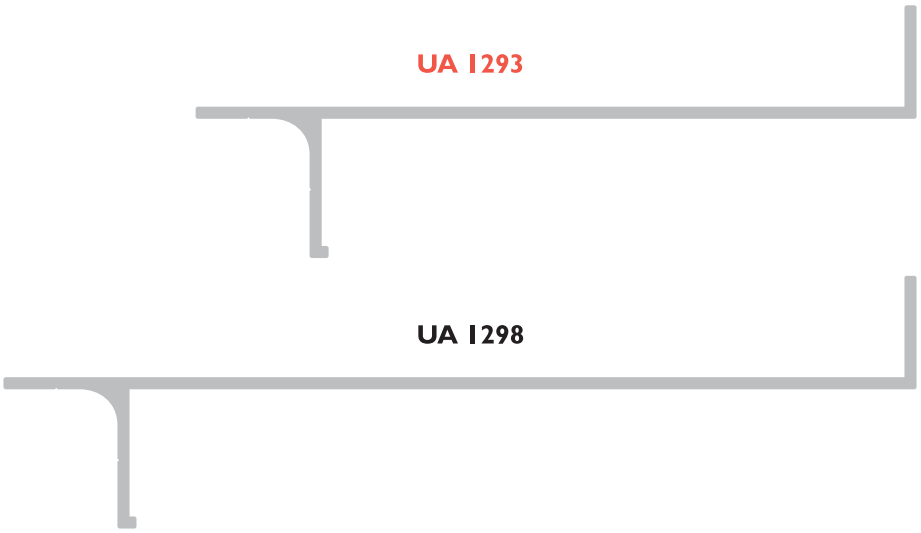
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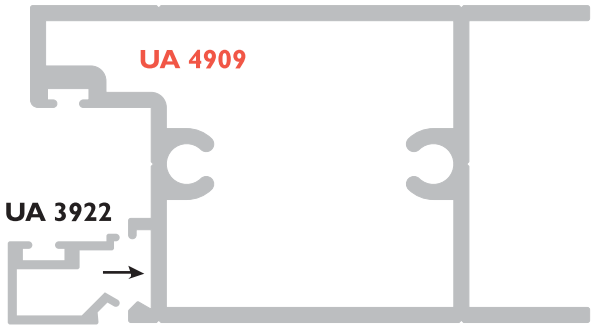
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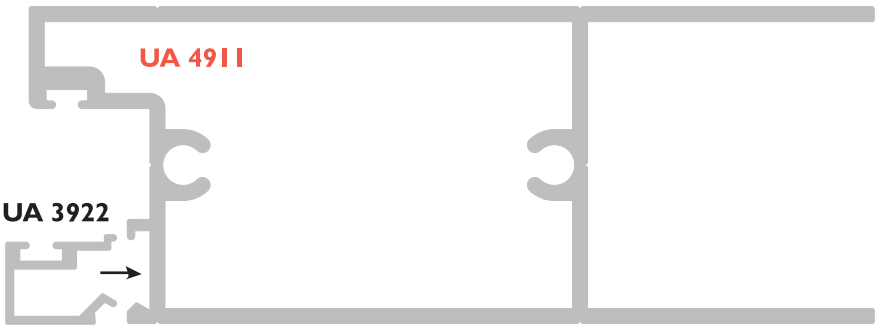
MR = MILL RUN ONLY • NON-STOCKED ITEM • MINIMUM ORDER 200KG

NOTE: Not all products are available ex-stock, check with your local branch for advice on availability.









UA 1293 (MR)
FLASHING
kg/m 0.567 P 257
OAD 95 x 33.5

UA 1298
FLASHING
kg/m 0.676 P 308
OAD 120 x 33.5

UA 3922
GLAZING BEAD
kg/m 0.157 P 93
OAD 14.8 x 12

UA 4909 (MR)
TOP RAIL
kg/m 1.436 P 288
OAD 74.1 x 42

UA 4910 (MR)
MID RAIL
kg/m 1.925 P 360
OAD 114 x 42

UA 4911 (MR)
BOTTOM RAIL
kg/m 1.830 P 408
OAD 112 x 42
Takes Door Roller
TRUKEG940710

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UA 1070
TOP RAIL
kg/m 1.420 P 254
OAD 60 x 42

UA 1300
HINGE STILE
kg/m 1.132 P 219
OAD 51 x 44

UA 1301
WOOLPILE STILE
kg/m 1.161 P 222
OAD 51 x 44

UA 1302
PLAIN STILE
kg/m 1.112 P 217
OAD 51 x 44

UA 1303
GLAZING BEAD
kg/m 0.167 P 98
OAD 14.8 x 13.6

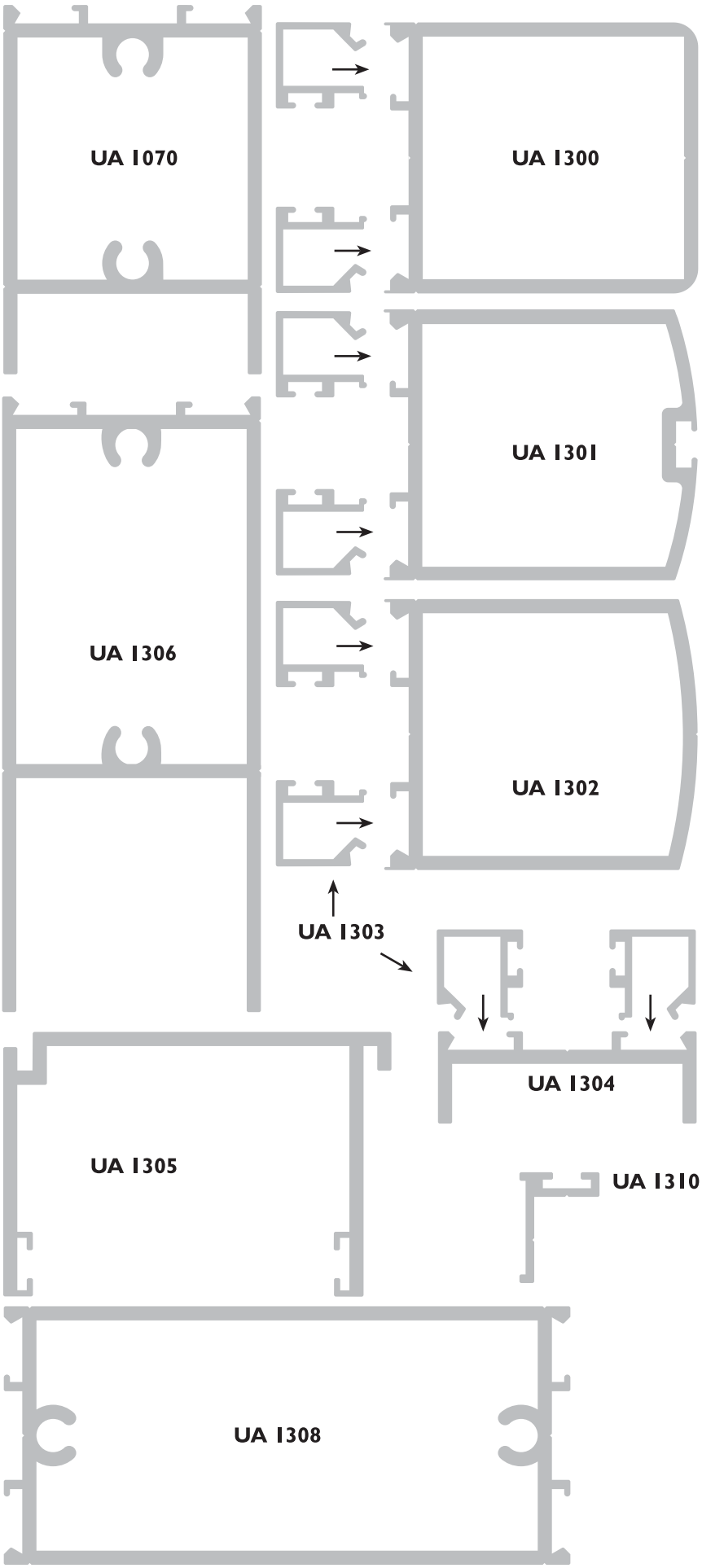
UA 1304
VISION RAIL CAP
kg/m 0.447 P 158
OAD 42 x 15

UA 1305
TOP TRACK
kg/m 1.002 P 339
OAD 63 x 43

UA 1306
BOTTOM RAIL
kg/m 1.919 P 383
OAD 100 x 42
Takes Door Roller
TRUKEG940710

UA 1308
VISION RAIL
kg/m 1.849 P 315
OAD 92 x 42

UA 1310
WOOLPILE DOOR STOP
kg/m 0.145 P 75
OAD 18 x 13



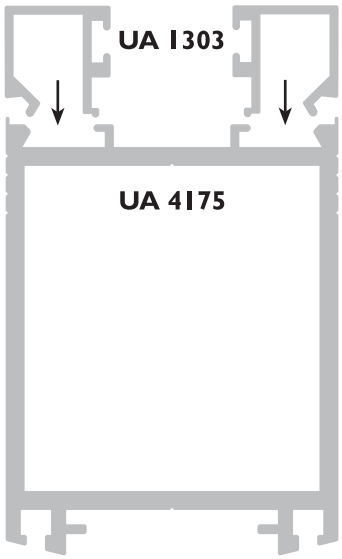
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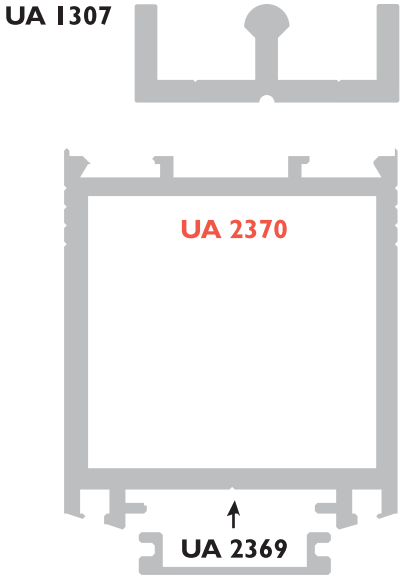
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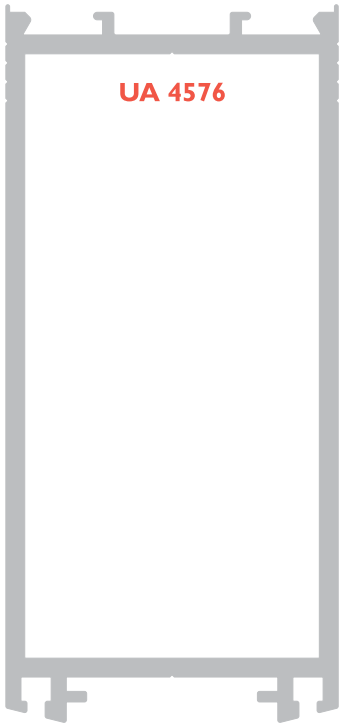
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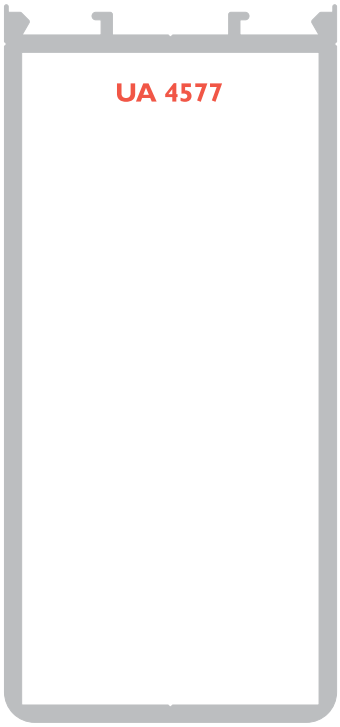
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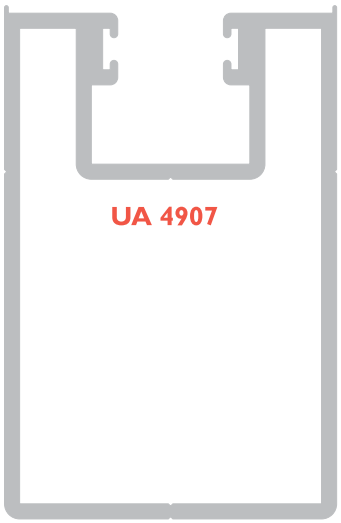
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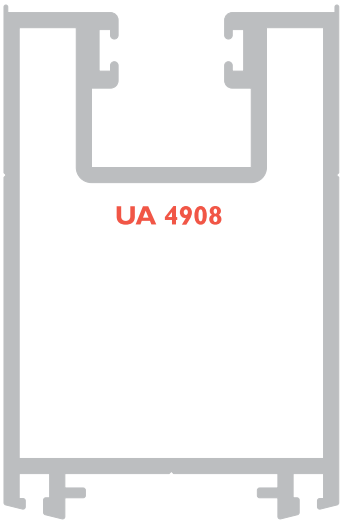












UA 1303
GLAZING BEAD
kg/m 0.167 P 98
OAD 14.8 x 14

UA 1307
BOTTOM TRACK
kg/m 0.536 P 139
OAD 35 x 13

UA 2369
STILE GUIDE
kg/m 0.141 P 79
OAD 26.5 x 5.5

UA 2370 (MR)
STILE
kg/m 1.302 P 261
OAD 51 x 44

UA 4175
STILE
kg/m 1.397 P 275
OAD 58 x 44

UA 4576 (MR)
STILE
kg/m 1.896 P 349
OAD 95 x 44

UA 4577 (MR)
HINGE STILE
kg/m 1.678 P 300
OAD 95 x 44

UA 4907 (MR)
HINGE STILE
kg/m 1.494 P 294
OAD 68 x 44

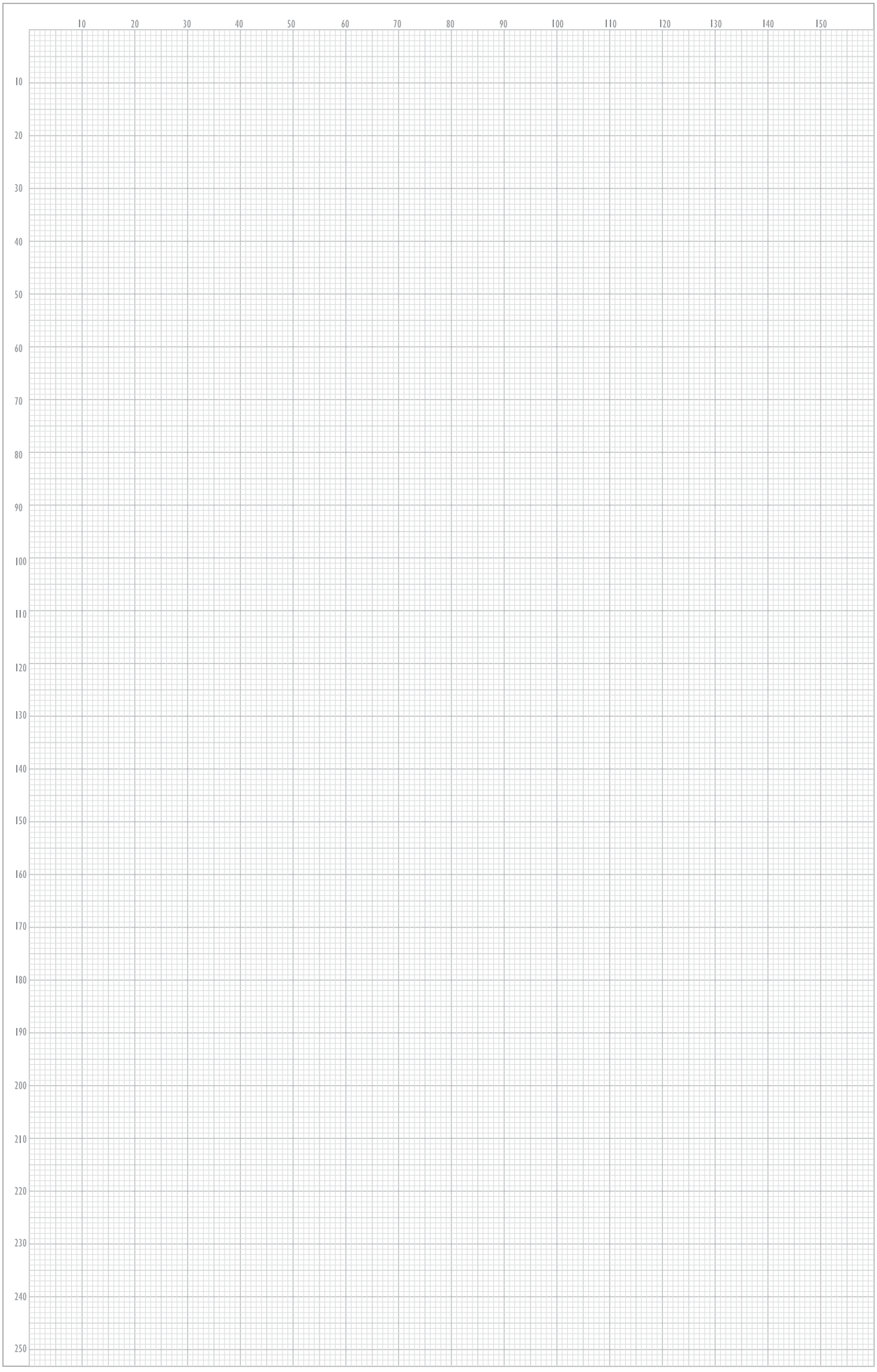
UA 4908 (MR)
LOCK STILE
kg/m 1.578 P 342
OAD 68 x 44

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PLANNING GRID AND NOTES



DIE No	DESCRIPTION
UA 1212	POST / RAIL
UA 1225	RAILING TUBE
UA 1855	FENCE SLAT
UA 2131	RAIL CHANNEL
UA 2132	RAIL INSERT
UA 3178	POST / RAIL
UA 3616	RAIL CHANNEL
UA 5489	RHS RAILING
UA 5949	18mm CAPPING
UA 6393	FENCE SLAT
UA 6394	FENCE SLAT
UA 6397	10mm SLAT INSERT
UA 6856	FENCE PANEL
UA 6857	TONGUE & GROOVE PANEL
UA 6859	SLIDING GATE TRACK
UA 7092	RAIL CHANNEL
UA 7613	FENCE PANEL
UA 7654	FENCE RAIL CHANNEL
UA 7655	FENCE RAIL LID
UA 7656	FENCE PAILING
UA 7657	FENCE PAILING
UA 7694	FENCE PANEL
UA 9098	17mm PANEL INSERT
UA 9102	POCKET CAP

NOTE: RED INDICATES

= MILL RUN ONLY = NON-STOCKED ITEM

MINIMUM ORDER QUANTITY 200KG

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UA 3616
RAIL CHANNEL
kg/m 0.536 P 183
OAD 40 x 25

UA 5949
18mm CAPPING
kg/m 0.235 P 119
OAD 21.6 x 20

UA 6856
FENCE PANEL
kg/m 1.161 P 259
OAD 115 x 17

UA 6857
TONGUE & GROOVE PANEL
kg/m 1.099 P 330
OAD 106.8 x 17

UA 7613
FENCE PANEL
kg/m 0.647 P 149
OAD 60 x 17

UA 7654
FENCE RAIL CHANNEL
kg/m 0.546 P 181
OAD 40 x 20

UA 7655
FENCE RAIL LID
kg/m 0.170 P 84
OAD 33.19 x 5.2

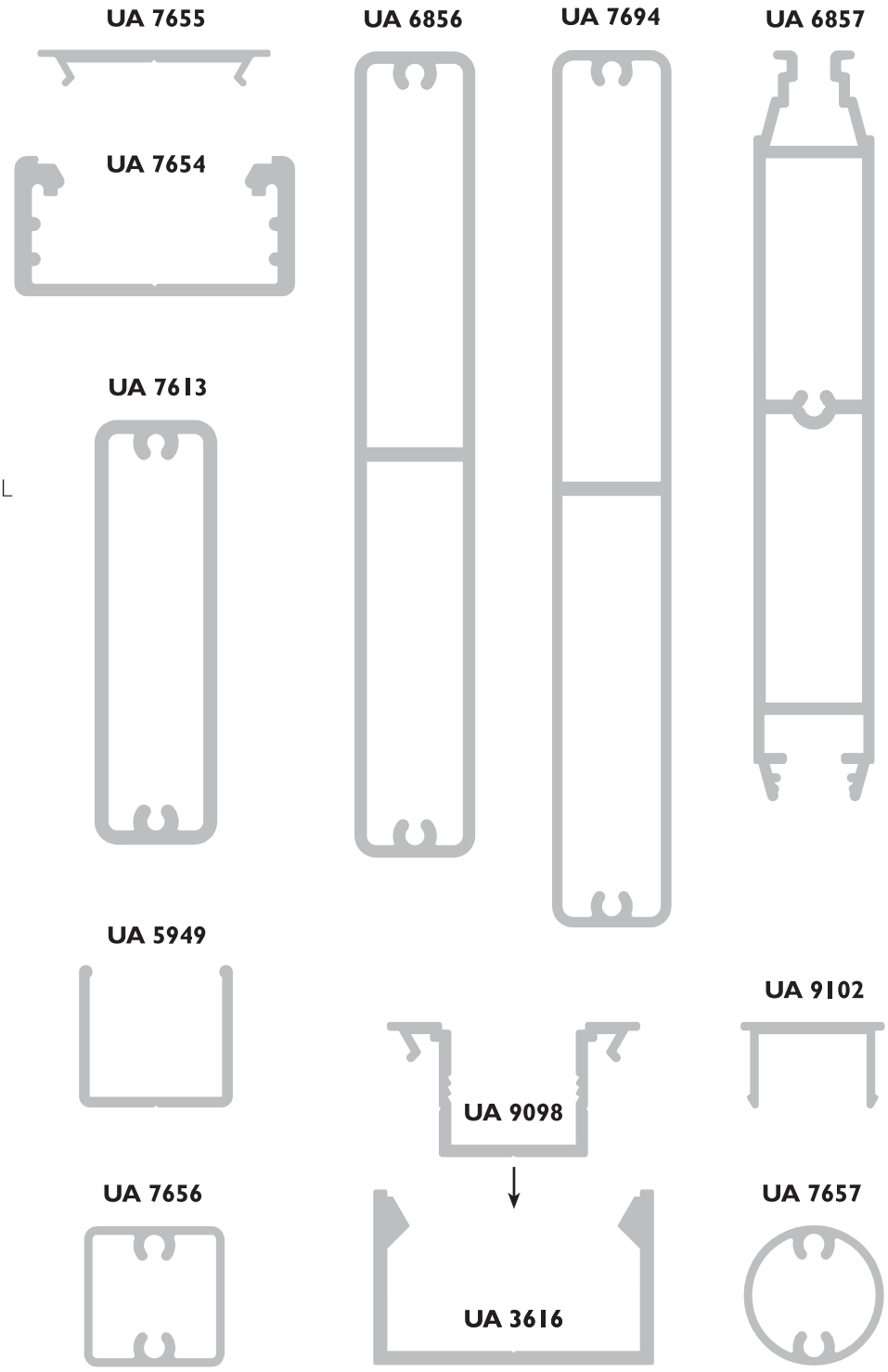
UA 7656
FENCE PAILING
kg/m 0.301 P 77
OAD 20 x 20

UA 7657
FENCE PAILING
kg/m 0.251 P 63
OAD 20 x 20

UA 7694
FENCE PANEL
kg/m 1.253 P 279
OAD 125 x 17

UA 9098
17mm PANEL INSERT
kg/m 0.300 P 164
OAD 35.85 x 19

UA 9102
POCKET CAP
kg/m 0.134 P 85
OAD 20.3 x 12.08
Fits UA 9098 Insert



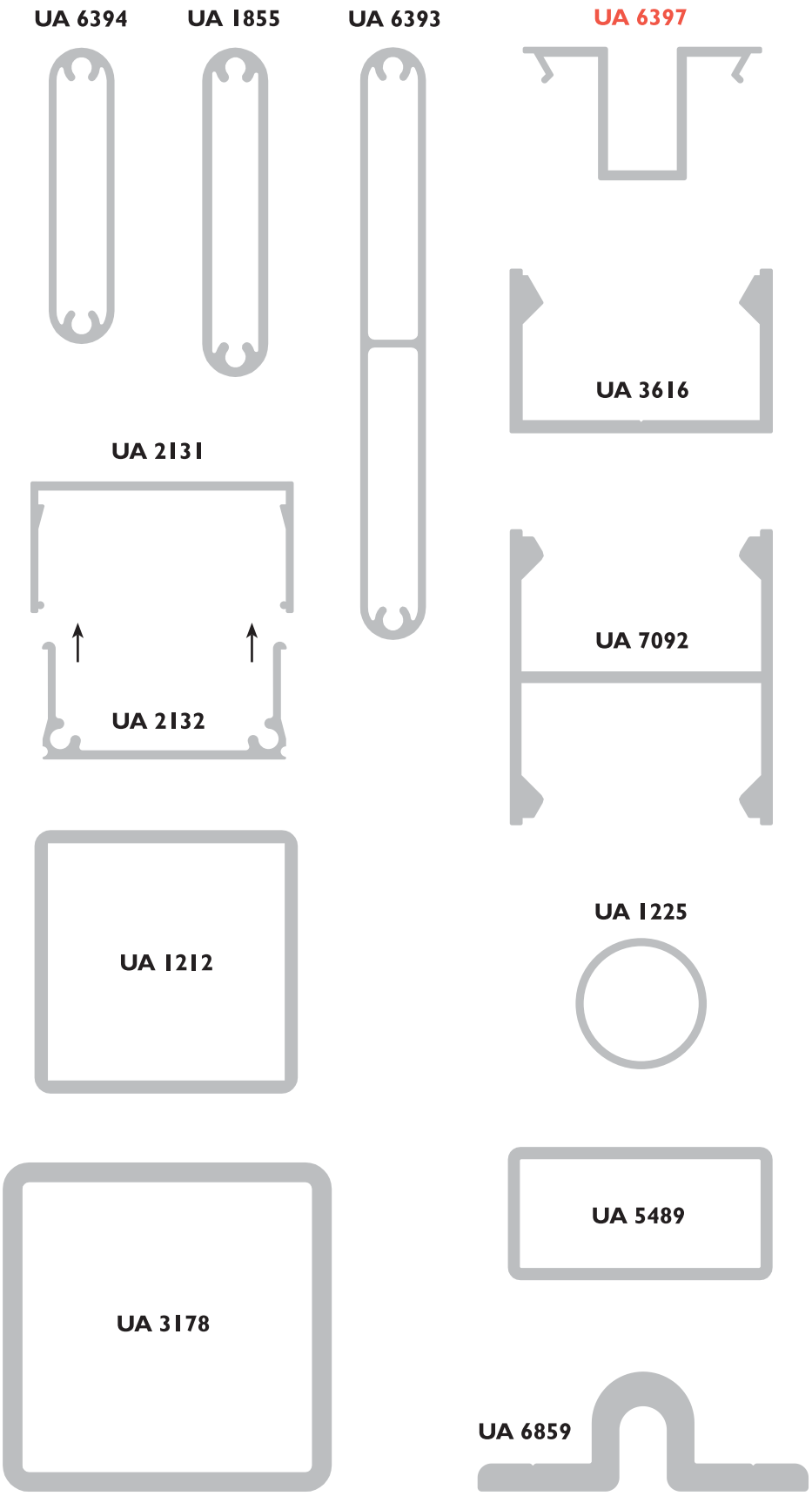


UA 1535
MOUNTING ANGLE
Bracket for: UA 7654
Cut length: 32mm
Code: BALUST1535STK



UA 2244
MOUNTING CHANNEL
Bracket for: UA 7654
Cut length: 12mm
Code: BALUST2244STK

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UA 1212
POST / RAIL
kg/m 0.807 P 156
OAD 40 x 40

UA 1225
RAILING TUBE
kg/m 0.192 P 63
OAD 20 x 20

UA 1855
FENCE SLAT
kg/m 0.480 P 112
OAD 50 x 10

UA 2131
RAIL CHANNEL
kg/m 0.286 P 161
OAD 40 x 20

UA 2132
RAIL INSERT
kg/m 0.302 P 155
OAD 37 x 17.9

UA 3178
POST / RAIL
kg/m 1.488 P 194
OAD 50 x 50

UA 3616
RAIL CHANNEL
kg/m 0.536 P 183
OAD 40 x 25

UA 5489
RHS RAILING
kg/m 0.483 P 117
OAD 40 x 20

UA 6393
FENCE SLAT
kg/m 0.686 P 192
OAD 90 x 10

UA 6394
FENCE SLAT
kg/m 0.368 P 102
OAD 45 x 10

UA 6397 (MR)
10mm SLAT INSERT
kg/m 0.314 P 165
OAD 35.85 x 20

UA 7092
RAIL CHANNEL
kg/m 0.774 P 270
OAD 45 x 40

UA 6859
SLIDING GATE TRACK
kg/m 0.798 P 149
OAD 50.2 x 18

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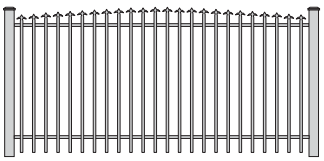
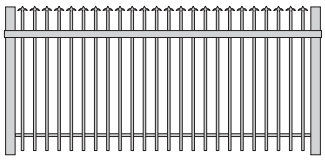
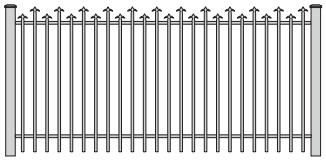
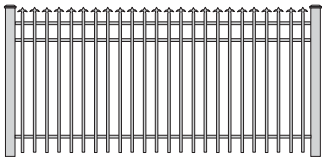
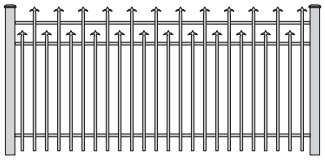
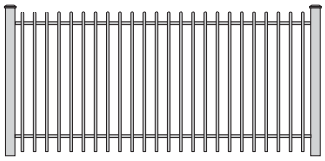
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FENCE PANELS & GATES
Various options and designs can be created to suit the specific style you require.

FENCE POSTS
Various size and strength options available to suit the application required.

CAST BRACKETS
Modular Brackets
Post Bases
Fence Caps

CAST TOPS
Fence or Gate Top options to complete your design.



UAF 05
Button Top



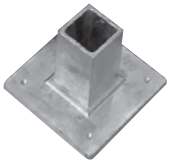
UC 1984
45mm Football



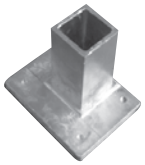
UC 1941
95mm Spear



UC 1510
75mm Spike



UC 1981
Fence Post Base Full



UC 1982
Fence Post Base 3/4



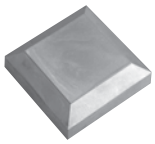
UC 1983
Fence Post Base 1/2



UC 1963
1/2 Modular Bracket



UC 1942
Modular Bracket



UC 1943, 1944, 1940
Fence Cap
50mm, 75mm, 100mm



UC 1948
Small Gate Hinge Blank



UC 1948A
Gate Hinge Round Hole



UC 1947
Gate Hinge Slotted

DIAGRAMS ACTUAL SIZE UNLESS OTHERWISE INDICATED.
DIAGRAMS ARE SCHEMATIC ONLY AND NOT INTENDED AS SPECIFICATION DRAWINGS.
OAD = OVERALL DIMENSIONS
P = EXT PERIPHERY

© ULLRICH ALUMINIUM CO LTD

MR = MILL RUN ONLY • NON-STOCKED ITEM • MINIMUM ORDER 200KG
NOTE: Not all products are available ex-stock, check with your local branch for advice on availability.

DIE No	DESCRIPTION
UA 1280	TOP RAIL STIFFENER
UA 1333	POCKET CAP
UA 1988	RHS RAILING
UA 2096	HANDRAIL CHANNEL
UA 2097	CHANNEL LID
UA 2098	HANDRAIL
UA 2131	RAIL CHANNEL
UA 2132	RAIL INSERT
UA 2164	HANDRAIL
UA 2487	POST
UA 3347	HANDRAIL BASE
UA 3348	HIGHWAY HANDRAIL
UA 3349	RAILING
UA 3595	FLUSH CAP
UA 3596	HANDRAIL
UA 3597	BALUSTER
UA 3616	RAIL CHANNEL
UA 3617	GLAZING INSERT
UA 4007	POST
UA 4737	HANDRAIL
UA 6395	CHANNEL
UA 6396	20mm SLAT INSERT
UA 6585	POST
UA 7085	POST
UA 7086	GLAZING INSERT
UA 7087	FLUSH CAP
UA 7088	GLAZING BAR
UA 7089	GLAZING BEAD
UA 7090	HANDRAIL
UA 7091	FIXING BLOCK
UA 7092	RAIL CHANNEL
UA 9147	0.75 POST
UA 10414	20mm BALUSTER INFILL
UA 10415	100mm BALUSTER SPACER
UA 10423	HEAVY DUTY RAIL
UA 10424	FLUSH INFILL
UA 10444	POST SPIGOT

NOTE: RED INDICATES

= MILL RUN ONLY = NON-STOCKED ITEM

MINIMUM ORDER QUANTITY 200KG

CONTACT YOUR LOCAL BRANCH TO ENQUIRE

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UA 1280
TOP RAIL STIFFENER
kg/m 0.321 P 160
OAD 50 x 16

UA 1333
POCKET CAP
kg/m 0.121 P 78
OAD 16.5 x 12

UA 1988
RHS RAILING
kg/m 0.491 P 120
OAD 40 x 20

UA 3595
FLUSH CAP
kg/m 0.165 P 92
OAD 35.85 x 5.5

UA 3616
RAIL CHANNEL
kg/m 0.536 P 183
OAD 40 x 25

UA 3617
GLAZING INSERT
kg/m 0.313 P 172
OAD 35.85 x 20

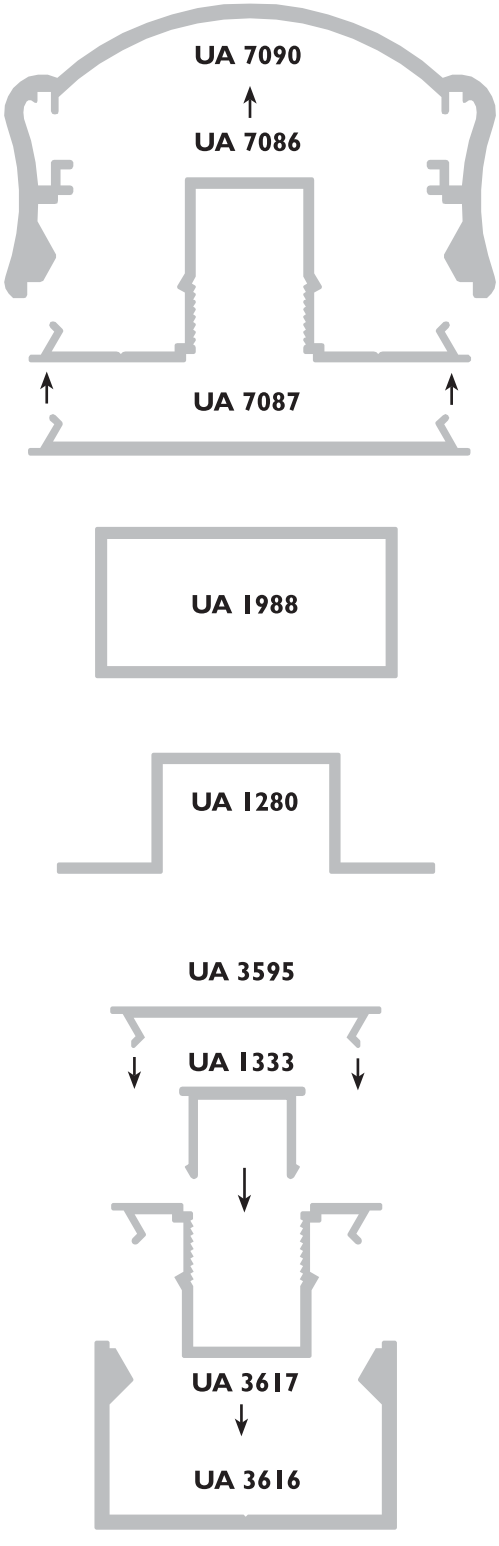
UA 6396
20mm SLAT INSERT
kg/m 0.314 P 164
OAD 35.85 x 20

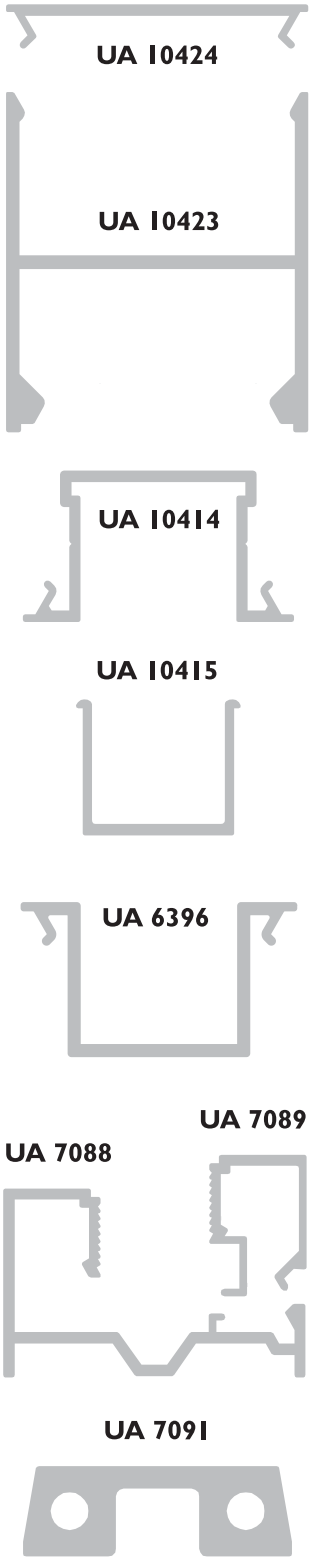
UA 7086
GLAZING INSERT
kg/m 0.441 P 236
OAD 58.5 x 24.5

UA 7087
FLUSH CAP
kg/m 0.299 P 136
OAD 58.5 x 5.47

UA 7088
GLAZING BAR
kg/m 0.415 P 211
OAD 40 x 25

UA 7089
GLAZING BEAD
kg/m 0.182 P 113
OAD 18.7 x 12.9





UA 7090
HANDRAIL
kg/m 0.964 P 310
OAD 65 x 39
Cast End Cap UC1501

UA 7091
FIXING BLOCK
kg/m 0.732 P 108
OAD 35.6 x 12

UA 10414
20mm BALUSTER INFILL
kg/m 0.333 P 173
OAD 35.85 x 20

UA 10415
100mm BALUSTER SPACER
kg/m 0.192 P 111
OAD 20 x 18

UA 10423
HEAVY DUTY RAIL
kg/m 0.697 P 263
OAD 45 x 40

UA 10424
FLUSH INFILL
kg/m 0.186 P 102
OAD 40 x 5.85

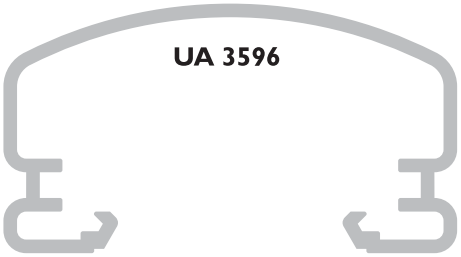
ULLRICH ALUMINIUM

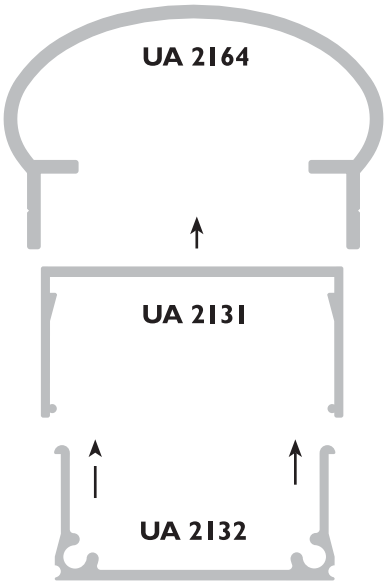
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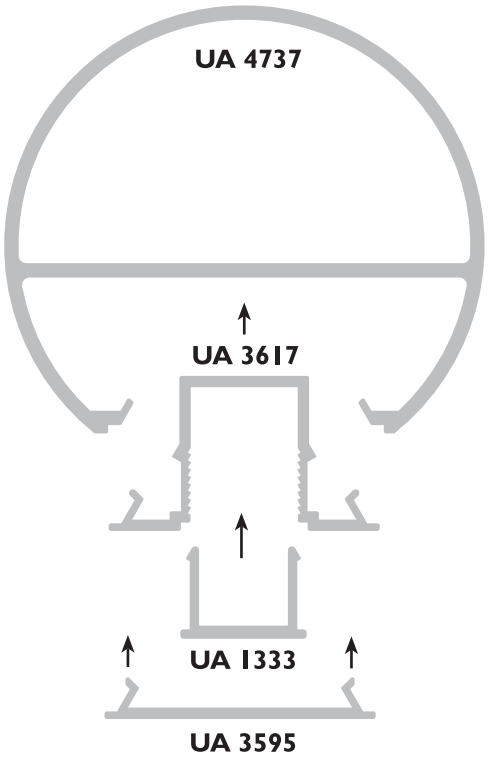
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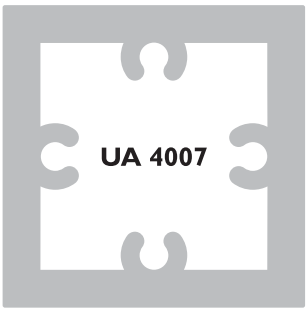
MR = MILL RUN ONLY • NON-STOCKED ITEM • MINIMUM ORDER 200KG

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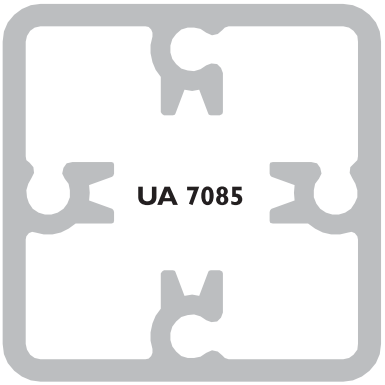


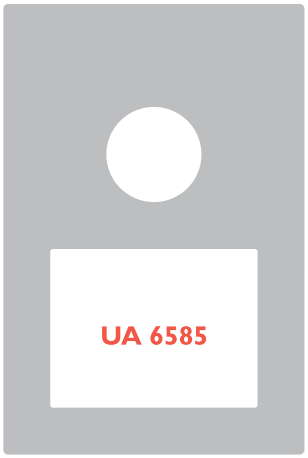












UA 1333
POCKET CAP
kg/m 0.121 P 78
OAD 16.5 x 12

UA 2131
RAIL CHANNEL
kg/m 0.286 P 161
OAD 40 x 20

UA 2132
RAIL INSERT
kg/m 0.302 P 155
OAD 37 x 17.9

UA 2164
HANDRAIL
kg/m 0.465 P 219
OAD 50 x 32.12
Cast End Cap UC1995

UA 3595
FLUSH CAP
kg/m 0.165 P 92
OAD 35.85 x 5.5

UA 3596
HANDRAIL
kg/m 0.782 P 324
OAD 60 x 33
Cast End Cap UC1994

UA 3597
BALUSTER
kg/m 0.418 P 100
OAD 25 x 25

UA 3617
GLAZING INSERT
kg/m 0.313 P 172
OAD 35.85 x 20

UA 4007
POST
kg/m 2.165 P 160
OAD 40 x 40

UA 4737
HANDRAIL
kg/m 1.137 P 284
OAD 63.5 x 56.57

UA 6585 (MR)
POST
kg/m 4.496 P 200
OAD 60 x 40

UA 10444
POST SPIGOT fits 4007, 7085
kg/m 1.626 P 151
OAD 29.8 x 29.8

UA 7085
POST
kg/m 2.128 P 192
OAD 50 x 50

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UA 2096
HANDRAIL CHANNEL
kg/m 0.392 P 187
OAD 38 x 25.4

UA 2097
CHANNEL LID
kg/m 0.161 P 82
OAD 35 x 4

UA 2098
HANDRAIL
kg/m 0.543 P 233
OAD 50 x 40.95
Cast End Cap UC1987

UA 2487
POST
kg/m 1.482 P 140
OAD 35 x 35

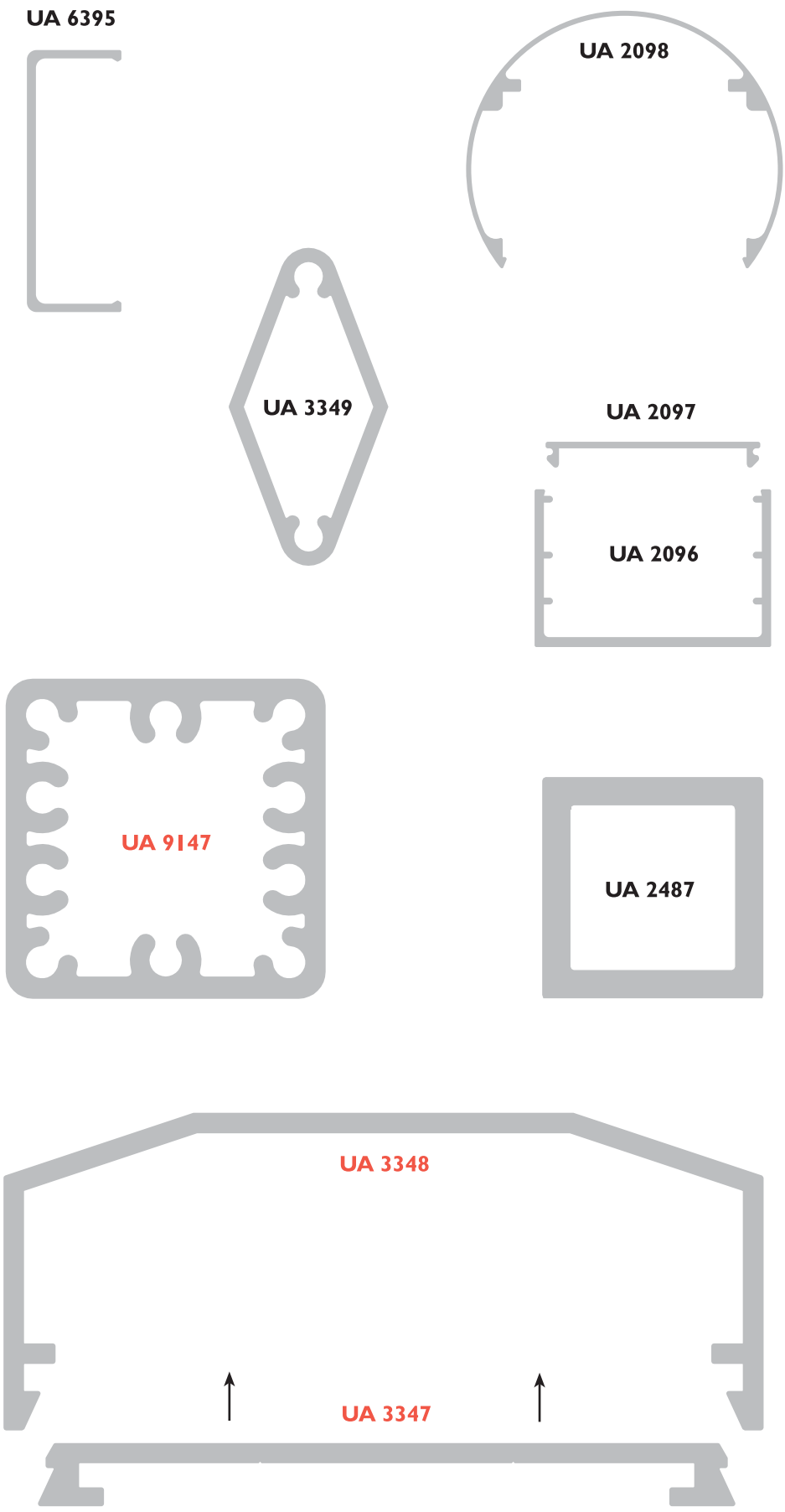
UA 3347 (MR)
HANDRAIL BASE
kg/m 1.144 P 275
OAD 113.22 x 10

UA 3348 (MR)
HIGHWAY HANDRAIL
kg/m 1.729 P 428
OAD 120 x 50

UA 3349
RAILING fits 3347
kg/m 0.636 P 116
OAD 50 x 25

UA 6395
CHANNEL
kg/m 0.250 P 136
OAD 40.75 x 14.7

UA 9147 (MR)
0.75 POST
kg/m 2.237 P 194
OAD 50 x 50



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Edition 18 - 2021

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DIE No	DESCRIPTION
SIGN FRAME	
UA 1332	10mm SIGN FRAME
UA 1366	6mm SIGN FRAME
UA 1367	6mm SIGN FRAME
UA 1809	7mm SIGN FRAME
UA 2982	7mm SIGN FRAME
UA 3989	7mm SIGN FRAME
UA 3990	7mm SIGN FRAME
UA 5966	6mm SIGN FRAME
STREET SIGN	
UA 2032	POST - BLADE HOLDER
UA 2033	STREET SIGN BLADE
UA 2080	STREET SIGN BLADE
UA 2115	SIGN BLADE EXTRA
UA 5430	STREET SIGN BLADE

NOTE: RED INDICATES

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MINIMUM ORDER QUANTITY 200KG

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SIGN FRAME

UA 1809
7mm SIGN FRAME
kg/m 2.383 P 701
OAD 200 x 20

UA 2982
7mm SIGN FRAME
kg/m 2.388 P 632
OAD 200 x 25

UA 5966
6mm SIGN FRAME
kg/m 1.116 P 601
OAD 160.6 x 27.25

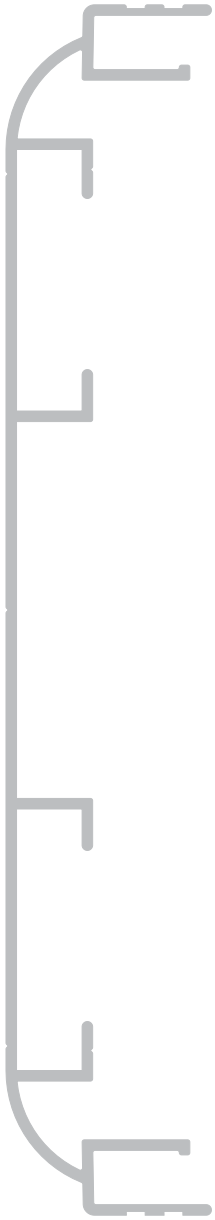
UA 2982



UA 1809



UA 5966





SIGN FRAME CORNER
(POLYPROPYLENE)
Fits UA 5966
Code: ULL 5966

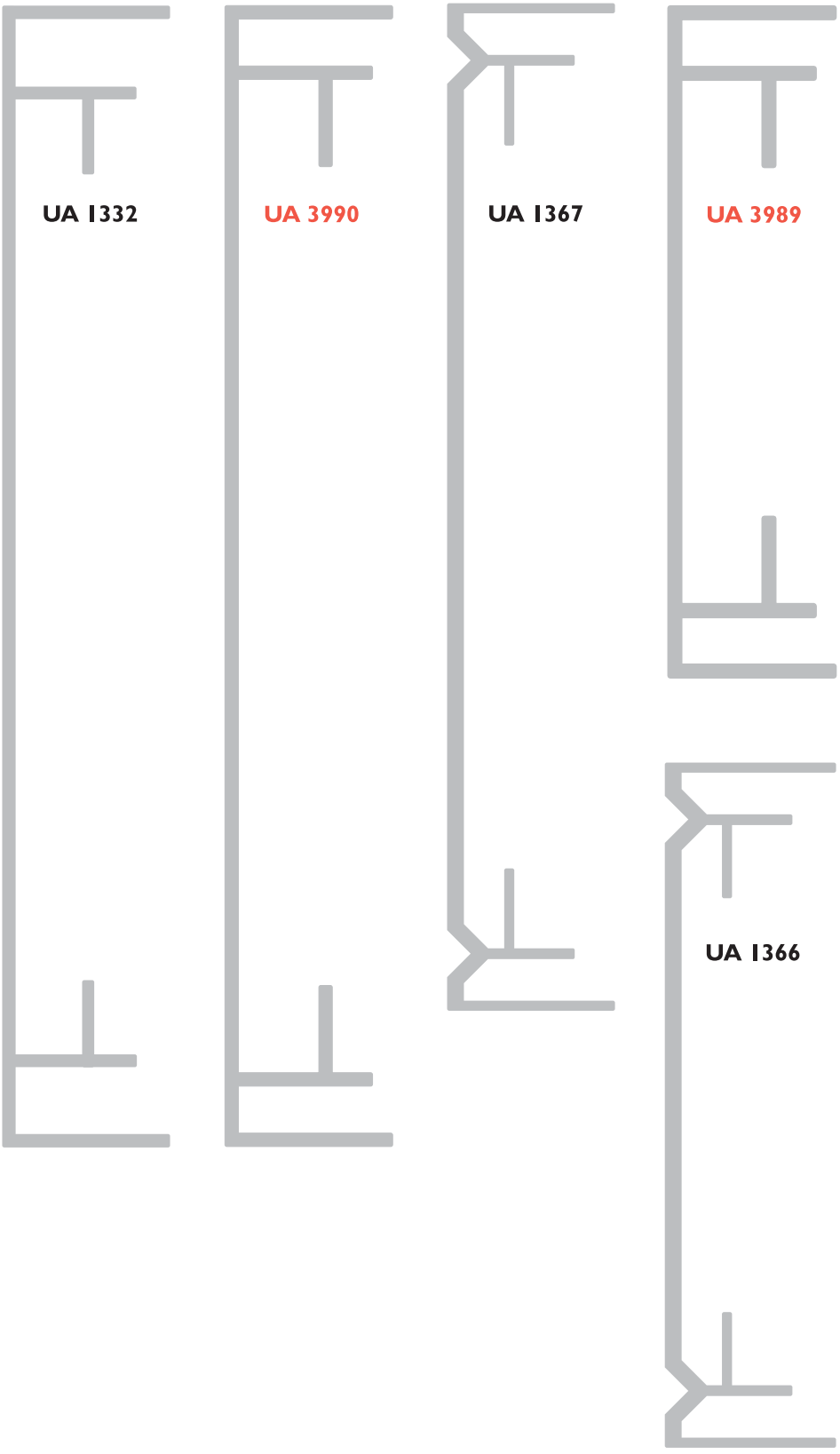
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UA 1332
10mm SIGN FRAME
kg/m 1.479 P 559
OAD 170 x 25

UA 1366
6mm SIGN FRAME
kg/m 1.118 P 412
OAD 102 x 25

UA 1367
6mm SIGN FRAME
kg/m 1.443 P 508
OAD 150 x 25

UA 3989 (MR)
7mm SIGN FRAME
kg/m 1.144 P 427
OAD 100 x 25

UA 3990 (MR)
7mm SIGN FRAME
kg/m 1.522 P 567
OAD 170 x 25

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STREET SIGN

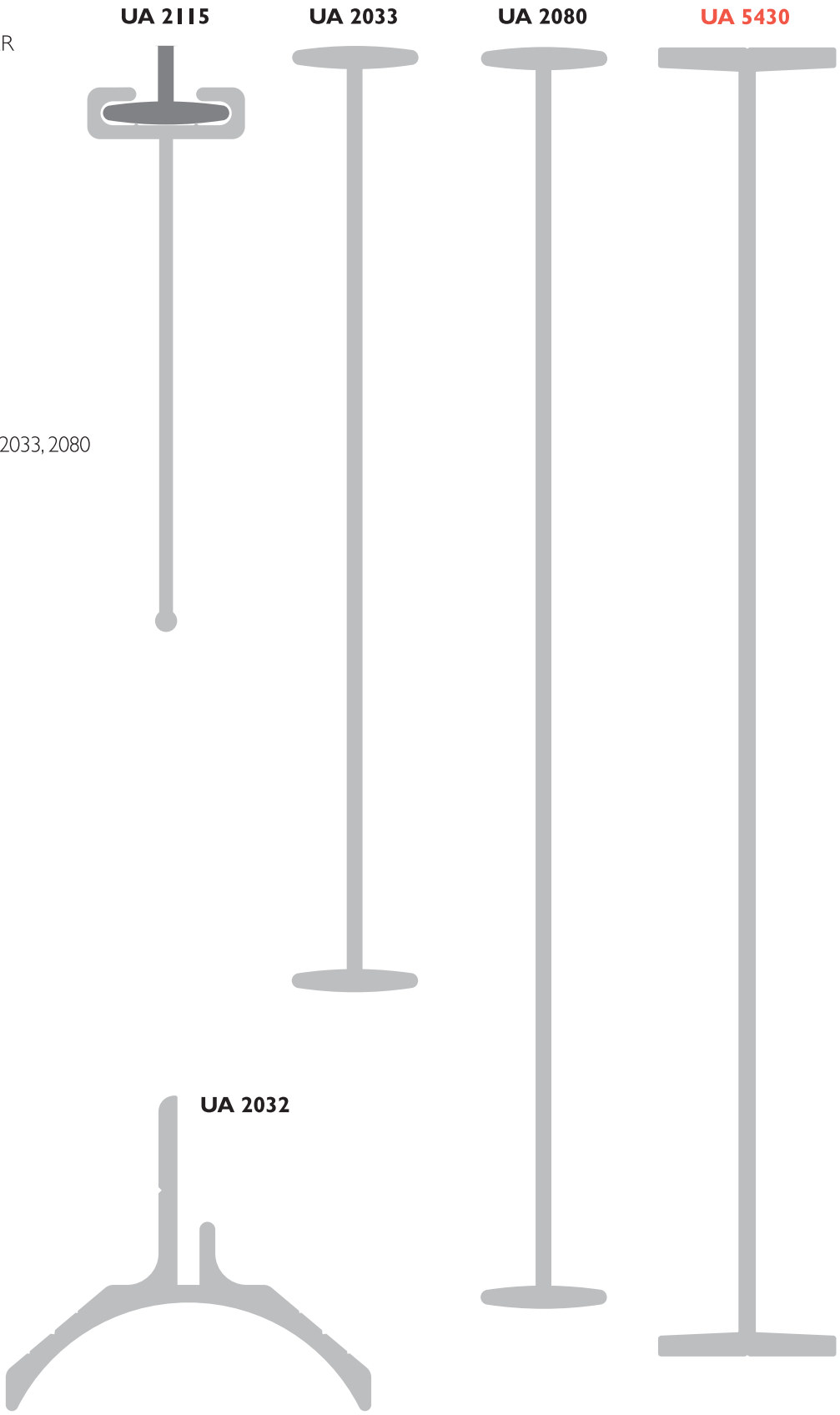
UA 2032
POST - BLADE HOLDER
kg/m 0.964 P 228
OAD 57.95 x 50

UA 2033
STREET SIGN BLADE
kg/m 1.291 P 366
OAD 150 x 20

UA 2080
STREET SIGN BLADE
kg/m 1.632 P 466
OAD 200 x 20

UA 2115
SIGN BLADE EXTRA fits 2033, 2080
kg/m 0.756 P 249
OAD 86.31 x 25

UA 5430 (MR)
STREET SIGN BLADE
kg/m 1.852 P 519
OAD 207.2 x 28



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Edition 18 - 2021

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NOTE: Not all products are available ex-stock, check with your local branch for advice on availability.

DIE No	DESCRIPTION
UA 1633	HEATSINK
UA 1635	HEATSINK
UA 2238	HEATSINK
UA 2651	HEATSINK
UA 3133	HEATSINK
UA 3295	HEATSINK
UA 4173	HEATSINK
UA 4718	HEATSINK

NOTE: RED INDICATES

= MILL RUN ONLY = NON-STOCKED ITEM

MINIMUM ORDER QUANTITY 200KG

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UA 1635
HEATSINK
kg/m 1.821 P 542
OAD 114.3 x 25.4

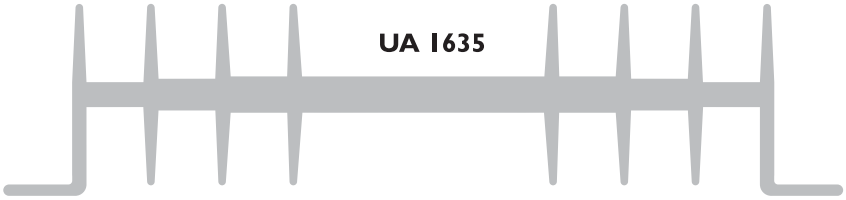
UA 2238
HEATSINK
kg/m 3.166 P 806
OAD 135 x 22.8

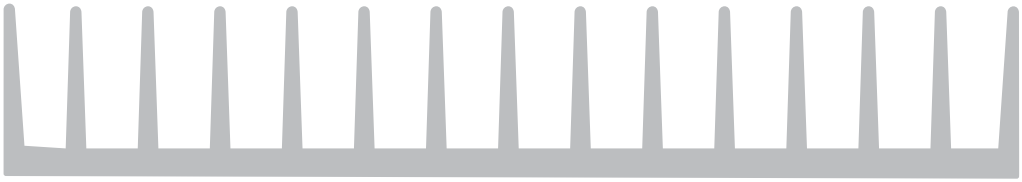
UA 2651 (MR)
HEATSINK
kg/m 3.088 P 928
OAD 100 x 30

UA 3133
HEATSINK
kg/m 0.769 P 236
OAD 43.17 x 9.89

UA 3295 (MR)
HEATSINK
kg/m 6.951 P 1385
OAD 150 x 40

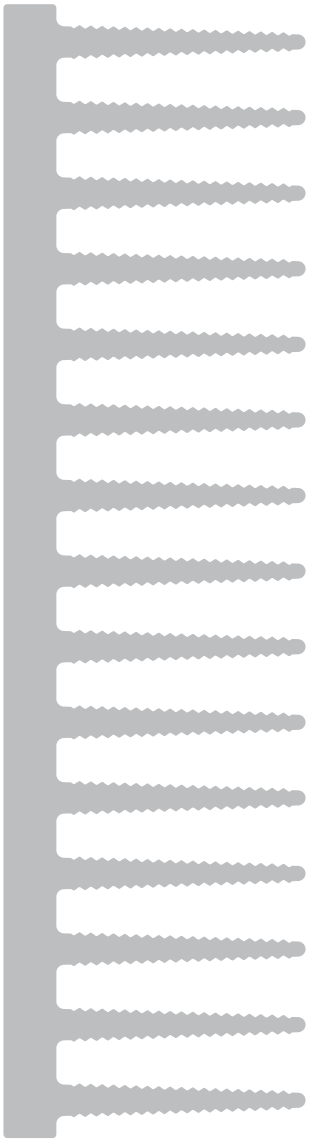
UA 4718 (MR)
HEATSINK
kg/m 1.003 P 520
OAD 101.6 x 7.62





UA 2238

UA 3295

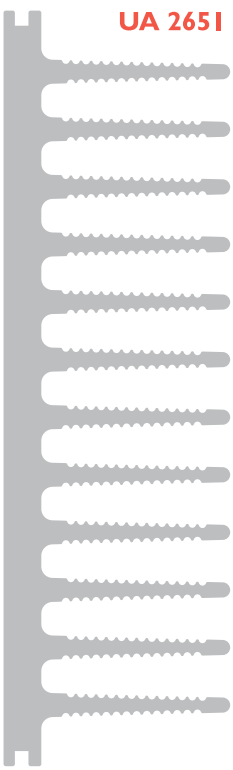




UA 3133

UA 4718

UA 2651





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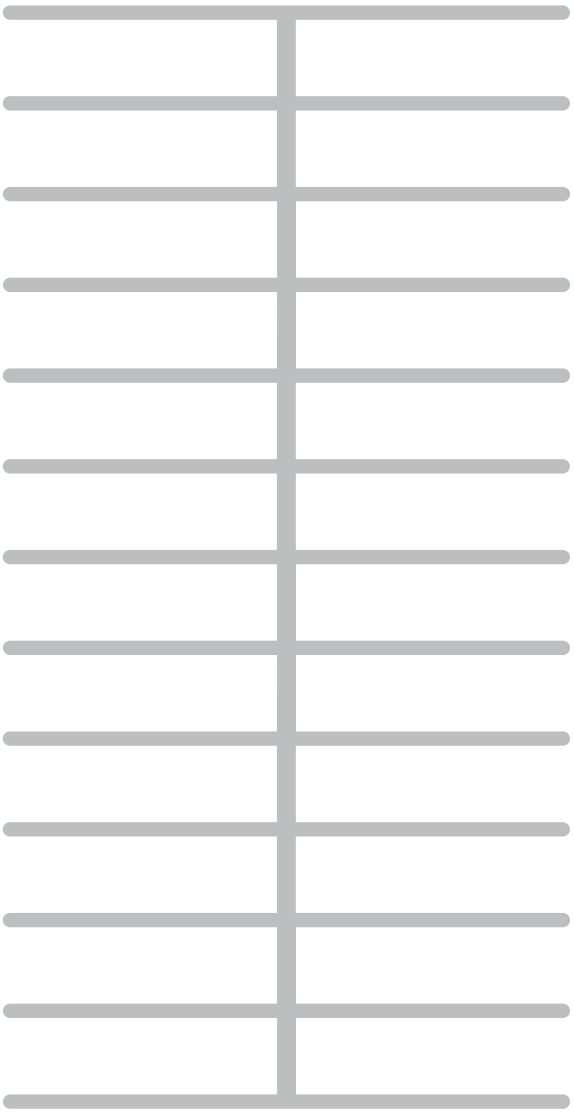
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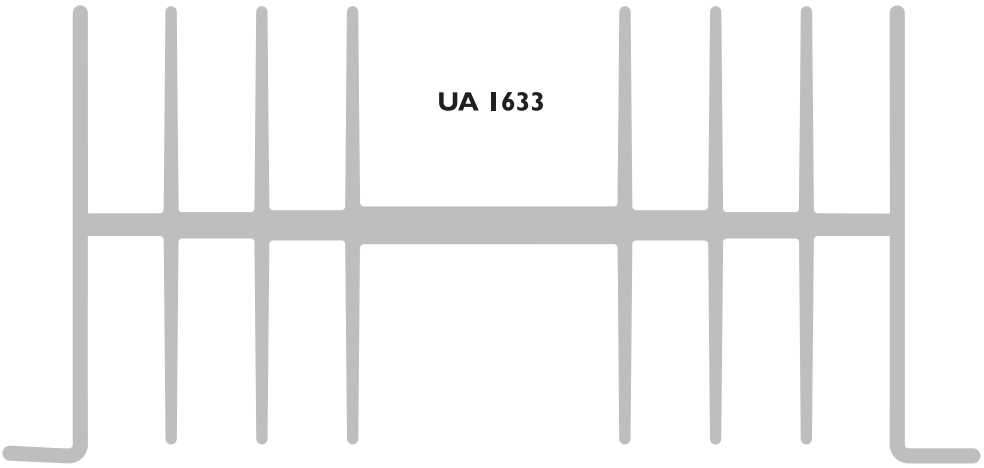
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UA 4173



UA 1633



UA 1633
HEATSINK
kg/m 3.455 P 1130
OAD 134 x 60.5

UA 4173 (MR)
HEATSINK
kg/m 5.820 P 2140
OAD 145.9 x 75

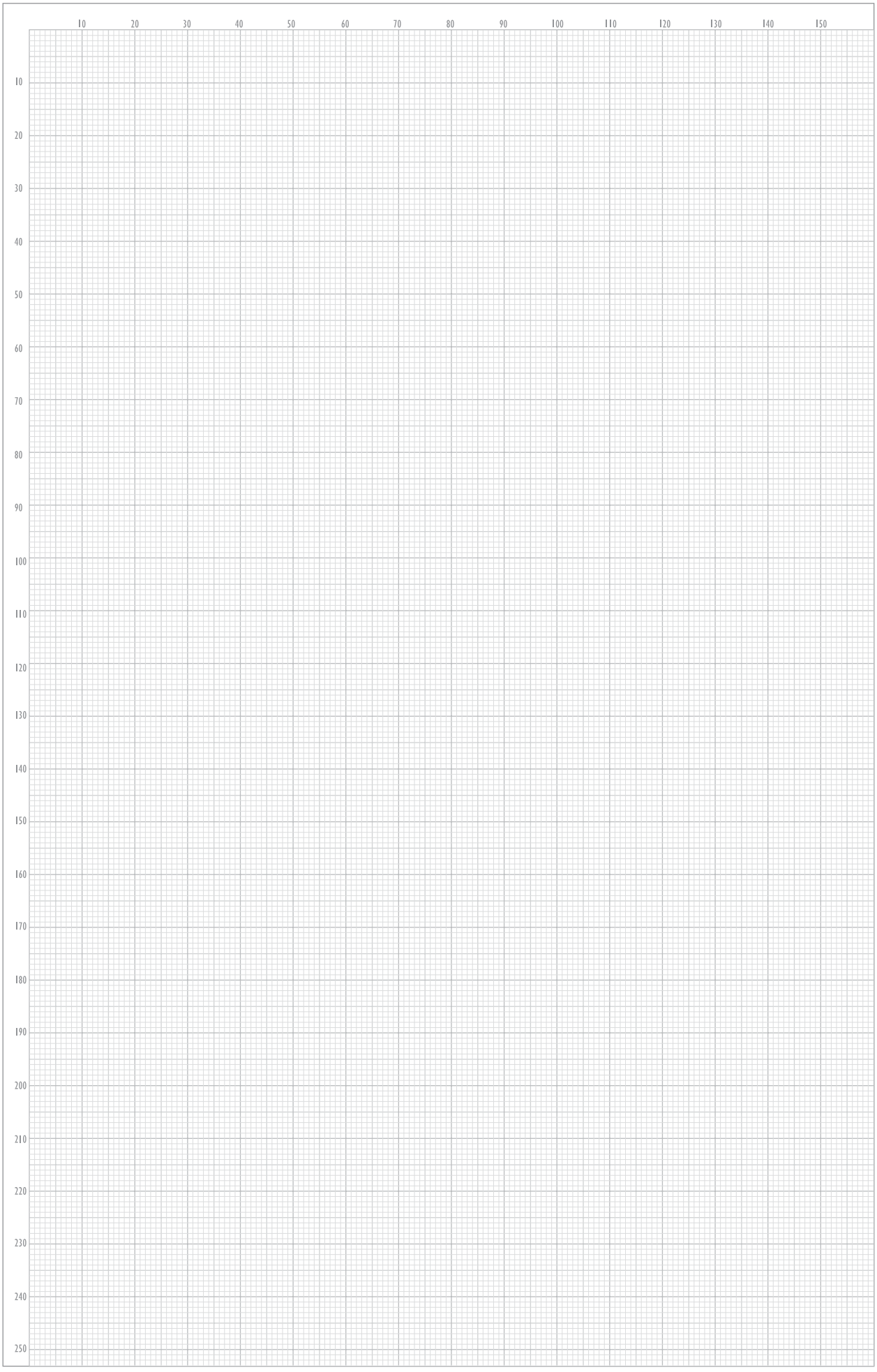
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PLANNING GRID AND NOTES



DIE No	DESCRIPTION
WARDROBE - CAVITY	
UA 1820	DOOR STILE
UA 1821	DOOR TOP RAIL
UA 1822	DOOR BOTTOM RAIL
UA 1824	DOUBLE TRACK
UA 1848	COAT HANGER RAIL
UA 2590	DOUBLE HEAD
UA 2987	SLIDING DOOR TRACK
UA 2988	SLIDING DOOR PELMET
UA 2999	TRIPLE TRACK
UA 3000	TRIPLE HEAD
UA 3002	SINGLE HEAD
UA 3096	SINGLE DOOR TRACK
UA 3097	DOUBLE DOOR TRACK
UA 3098	PELMET
UA 5148	HANDLE CAP
UA 5149	HANDLE CAP
UA 5150	CAVITY JAMB
UA 7329	COAT HANGER RAIL
VEE GLIDE	
UA 2027	HANGER RAIL
UA 2943	ANGLE
UA 6556	SHELF BRACKET
UA 6950	CHANNEL JAMB
UA 6951	COVER JAMB
UA 6952	RETURN JAMB
UA 6953	DOUBLE HEAD
UA 6954	DOUBLE SILL
UA 6955	TRIPLE HEAD
UA 6956	TRIPLE SILL
UA 6957	SASH RAIL
UA 6958	GRIP STILE
UA 6959	LIPPED STILE
UA 6969	LIPPED SASH RAIL
UA 6970	OVAL HANGER RAIL
UA 6971	TRIM CHANNEL
UA 8560	CHANNEL JAMB
UA 8767	BOTTOM DOOR TRACK

NOTE: RED INDICATES

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MINIMUM ORDER QUANTITY 200KG

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UA 1820
DOOR STILE
kg/m 0.510 P 176
OAD 31 x 24.5

UA 1821
DOOR TOP RAIL
kg/m 0.351 P 167
OAD 22 x 20

UA 1822
DOOR BOTTOM RAIL
kg/m 0.663 P 315
OAD 55 x 22

UA 1824
DOUBLE TRACK
kg/m 0.549 P 261
OAD 61 x 22

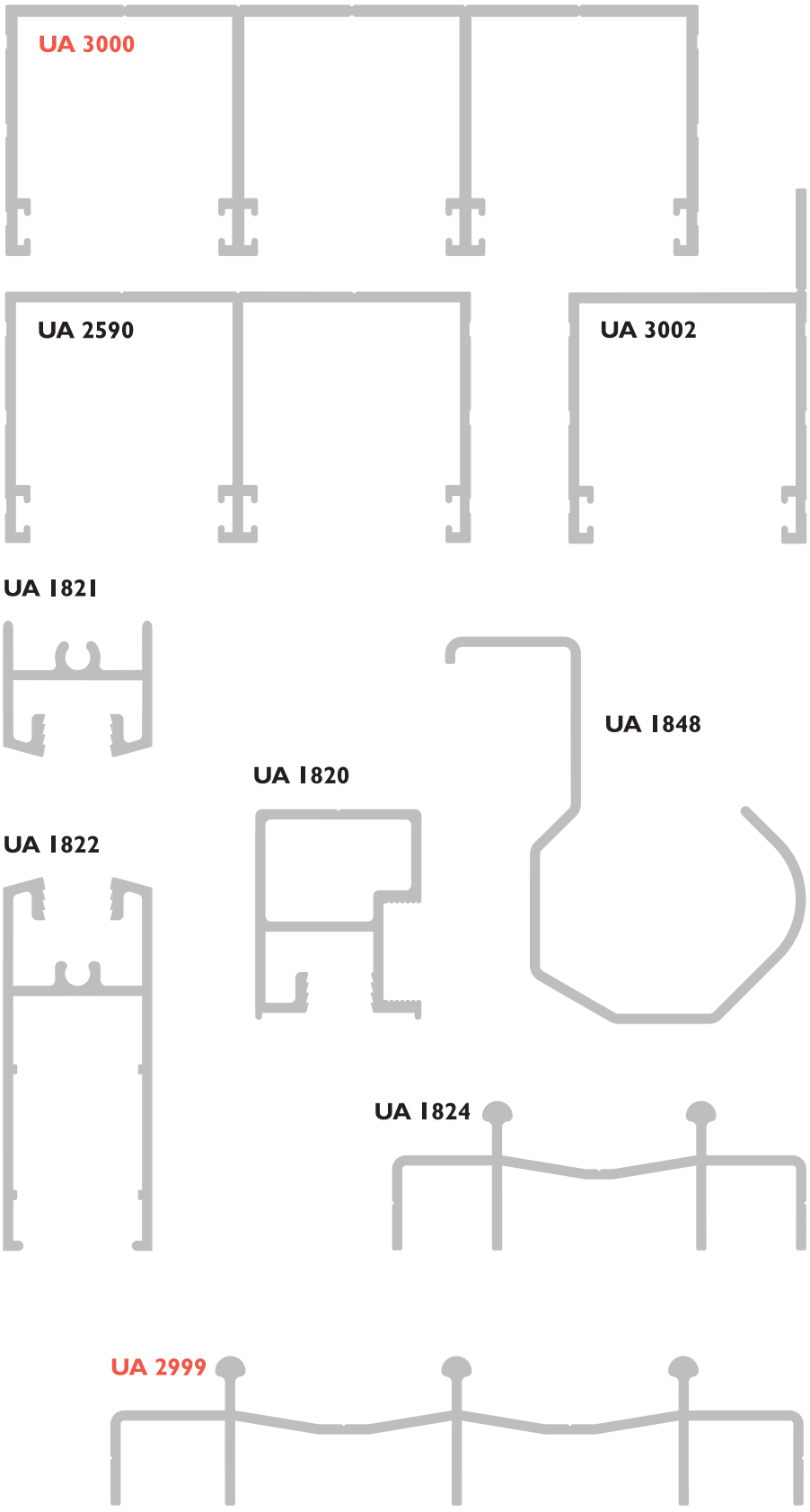
UA 1848
COAT HANGER RAIL
kg/m 0.553 P 277
OAD 57 x 52.5

UA 2590
DOUBLE HEAD
kg/m 0.846 P 403
OAD 68.6 x 37

UA 2999 (MR)
TRIPLE TRACK
kg/m 0.819 P 388
OAD 102.1 x 22

UA 3000 (MR)
TRIPLE HEAD
kg/m 1.296 P 563
OAD 102.1 x 37

UA 3002
SINGLE HEAD
kg/m 0.566 P 272
OAD 52.3 x 35.1



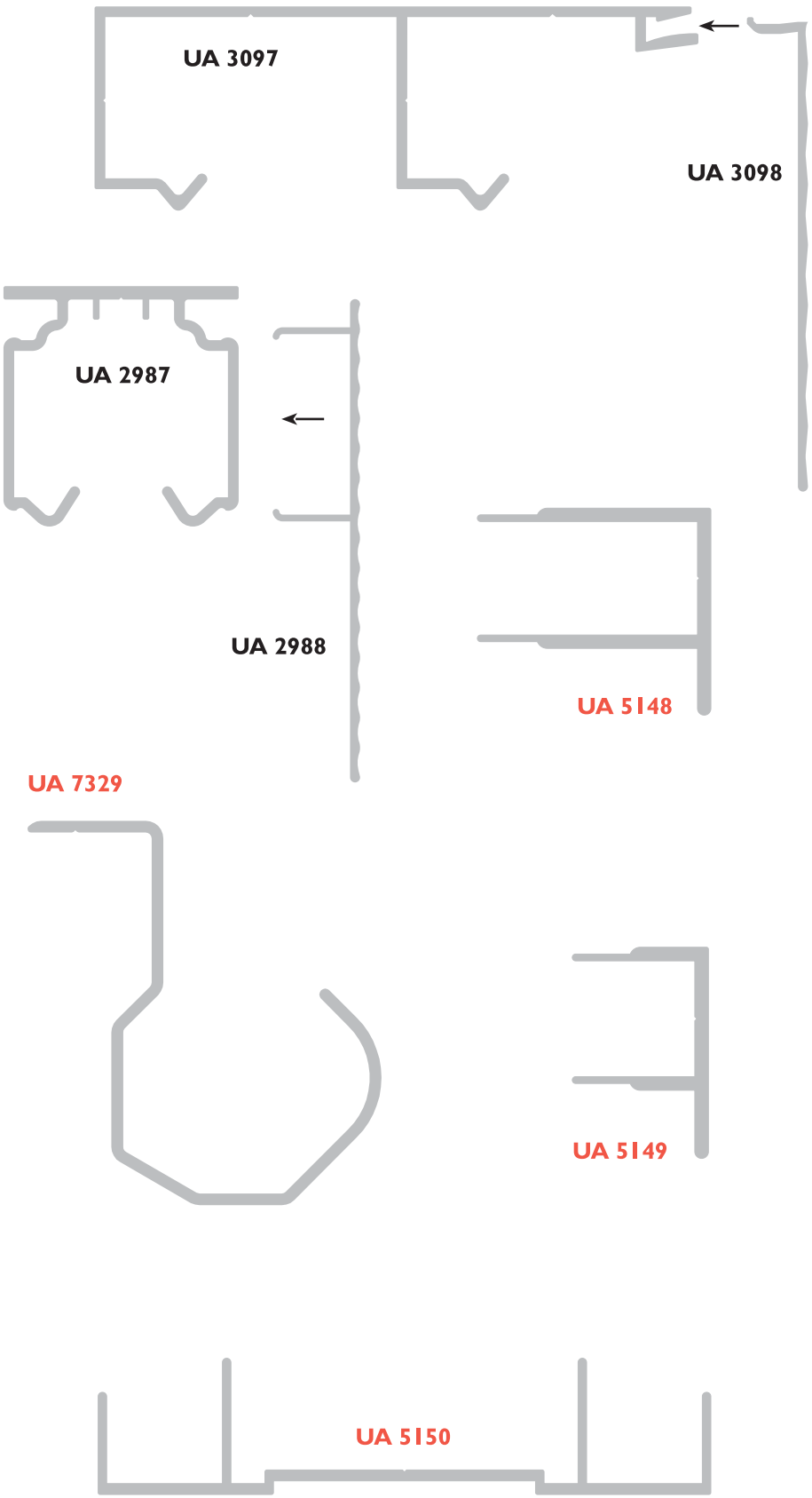
DIAGRAMS ACTUAL SIZE UNLESS OTHERWISE INDICATED.
DIAGRAMS ARE SCHEMATIC ONLY AND NOT INTENDED AS SPECIFICATION DRAWINGS.
OAD = OVERALL DIMENSIONS
P = EXT PERIPHERY

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Edition 18 - 2021

MR = MILL RUN ONLY • NON-STOCKED ITEM • MINIMUM ORDER 200KG

NOTE: Not all products are available ex-stock, check with your local branch for advice on availability.



UA 2987
SLIDING DOOR TRACK
kg/m 0.629 P 279
OAD 35.8 x 35.05

UA 2988
SLIDING DOOR PELMET
kg/m 0.318 P 194
OAD 72 x 13.06

UA 3097
DOUBLE DOOR TRACK
kg/m 0.818 P 380
OAD 90 x 30.4

UA 3098
PELMET
kg/m 0.279 P 159
OAD 70.65 x 9.1

UA 5148 (MR)
HANDLE CAP
kg/m 0.471 P 196
OAD 35 x 31

UA 5149 (MR)
HANDLE CAP
kg/m 0.312 P 136
OAD 31 x 20

UA 5150 (MR)
CAVITY JAMB
kg/m 0.615 P 316
OAD 90 x 20

UA 7329 (MR)
COAT HANGER RAIL
kg/m 0.545 P 273
OAD 57 x 52.5

ASSEMBLY DETAILS
Refer: 22-5 to 22-8

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UA 6950
CHANNEL JAMB
kg/m 0.554 P 313
OAD 126 x 16

UA 6951
COVER JAMB
kg/m 0.510 P 269
OAD 85.5 x 34.5

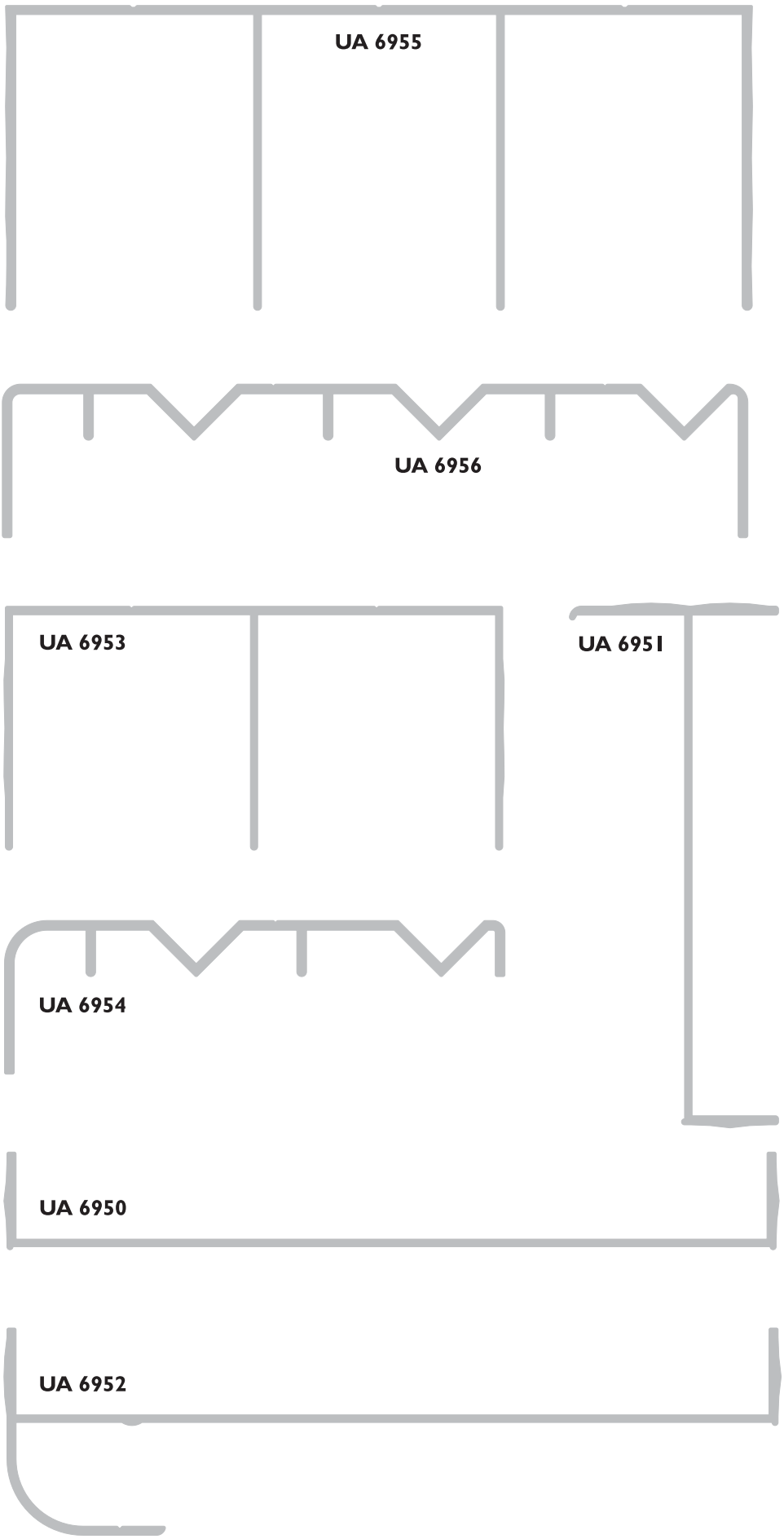
UA 6952
RETURN JAMB
kg/m 0.716 P 389
OAD 126.5 x 34

UA 6953
DOUBLE HEAD
kg/m 0.702 P 397
OAD 81.6 x 40

UA 6954
DOUBLE SILL
kg/m 0.592 P 277
OAD 82.1 x 25.2

UA 6955
TRIPLE HEAD
kg/m 1.247 P 634
OAD 122.5 x 50

UA 6956
TRIPLE SILL
kg/m 0.898 P 419
OAD 122.3 x 25.2



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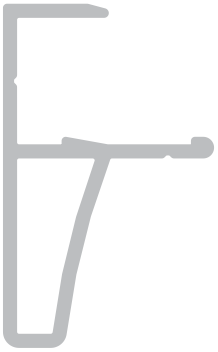
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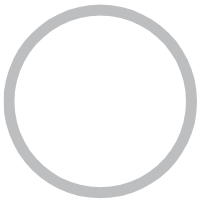
UA 6556



UA 6957



UA 2027



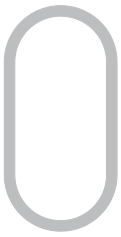
UA 6971



UA 6969



UA 6970



UA 2943



UA 6959



UA 6958



UA 8560



ACCESSORIES:

WVG300 DOOR ROLLER
Code: WARDVGBEARING

WVG100 HEAD GUIDE
Code: WARDVGGUIDEWHPR

WVG130WH OVAL RAIL BRACKET
Code: WARDVGOVALBKTWH

WA200CL 4mm GLAZING CHANNEL
Code: WARDVGGLASSFR

WVG200 STILE BUFFER STRIP
Code: WARDVGBUFFERFR

UA 8767



UA 2027
HANGER RAIL
kg/m 0.246 P 80
OAD 25.4 x 25.4

UA 2943
ANGLE
kg/m 0.218 P 104
OAD 32 x 20

UA 6556 (MR)
SHELF BRACKET
kg/m 0.502 P 165
OAD 45.5 x 27.8

UA 6957
SASH RAIL
kg/m 0.298 P 114
OAD 26 x 14.25

UA 6958
GRIP STILE
kg/m 0.272 P 183
OAD 34 x 21.2

UA 6959
LIPPED STILE
kg/m 0.275 P 173
OAD 34 x 19.5

UA 6969
LIPPED SASH RAIL
kg/m 0.318 P 131
OAD 26 x 21.4

UA 6970
OVAL HANGER RAIL
kg/m 0.275 P 78
OAD 30 x 15

UA 6971
TRIM CHANNEL
kg/m 0.197 P 117
OAD 20.2 x 19.2

UA 8560 (MR)
CHANNEL JAMB
kg/m 0.417 P 231
OAD 86.5 x 16

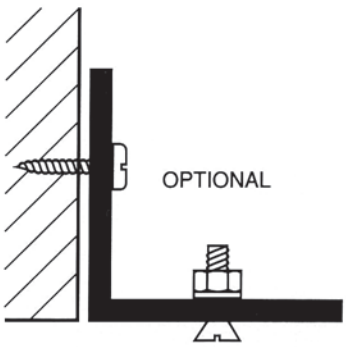
UA 8767 (MR)
BOTTOM DOOR TRACK
kg/m 0.325 P 160
OAD 26 x 25

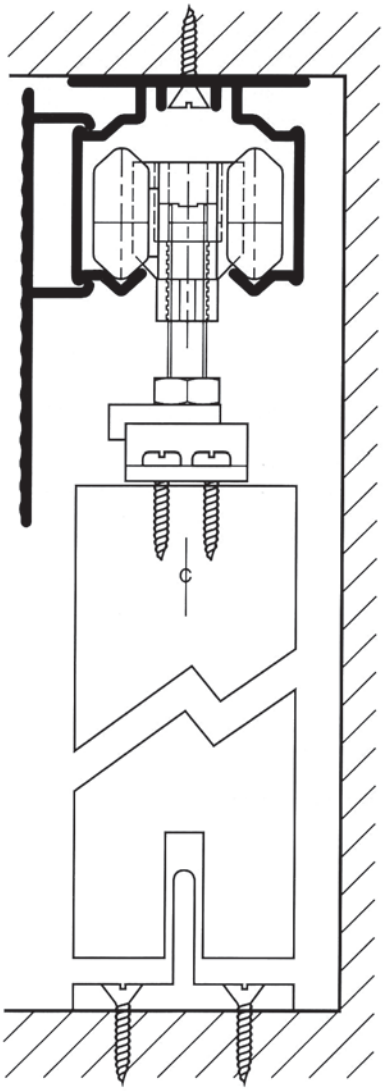
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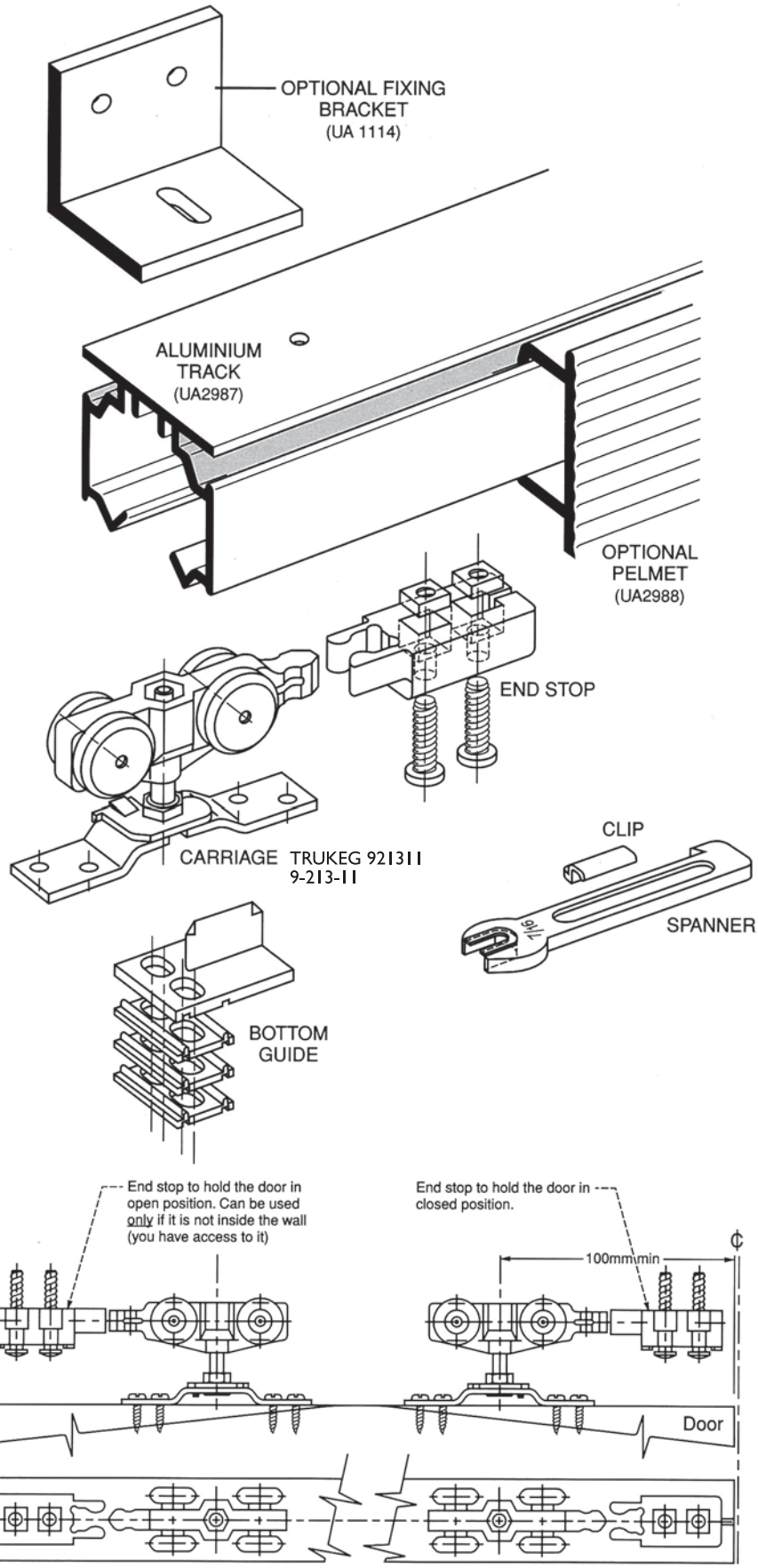
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CAVITY SLIDING TRACK - ASSEMBLY DETAILS 1



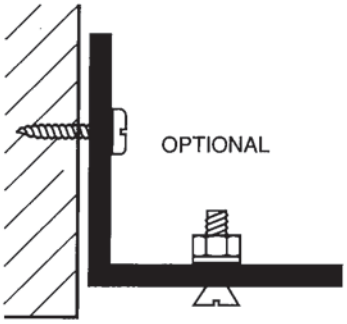


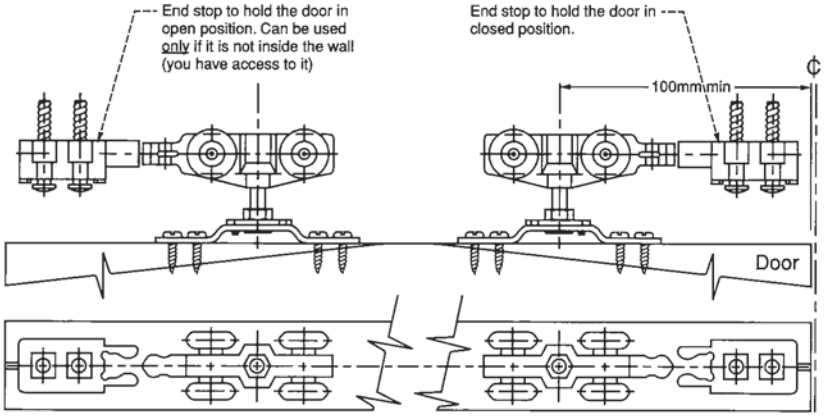


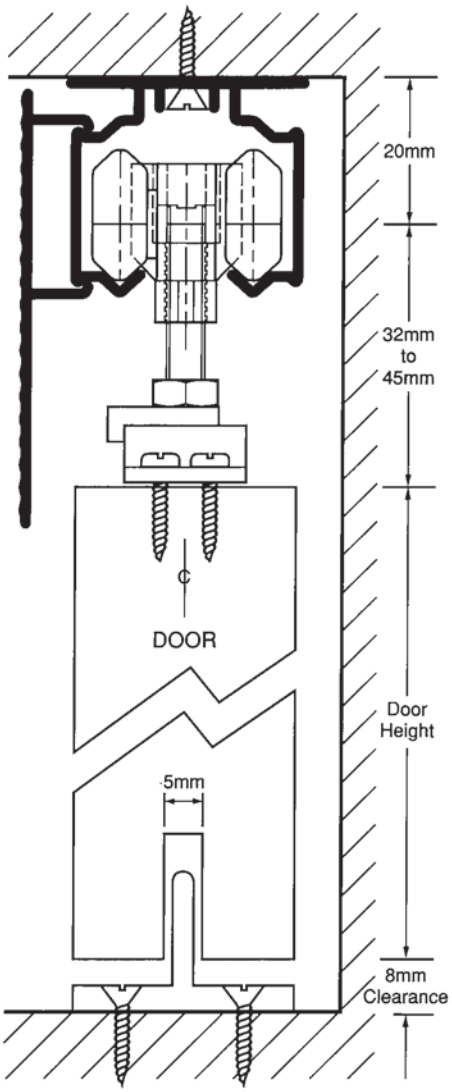
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TRACK AND PELMET SOLD AS INDIVIDUAL LENGTHS ONLY

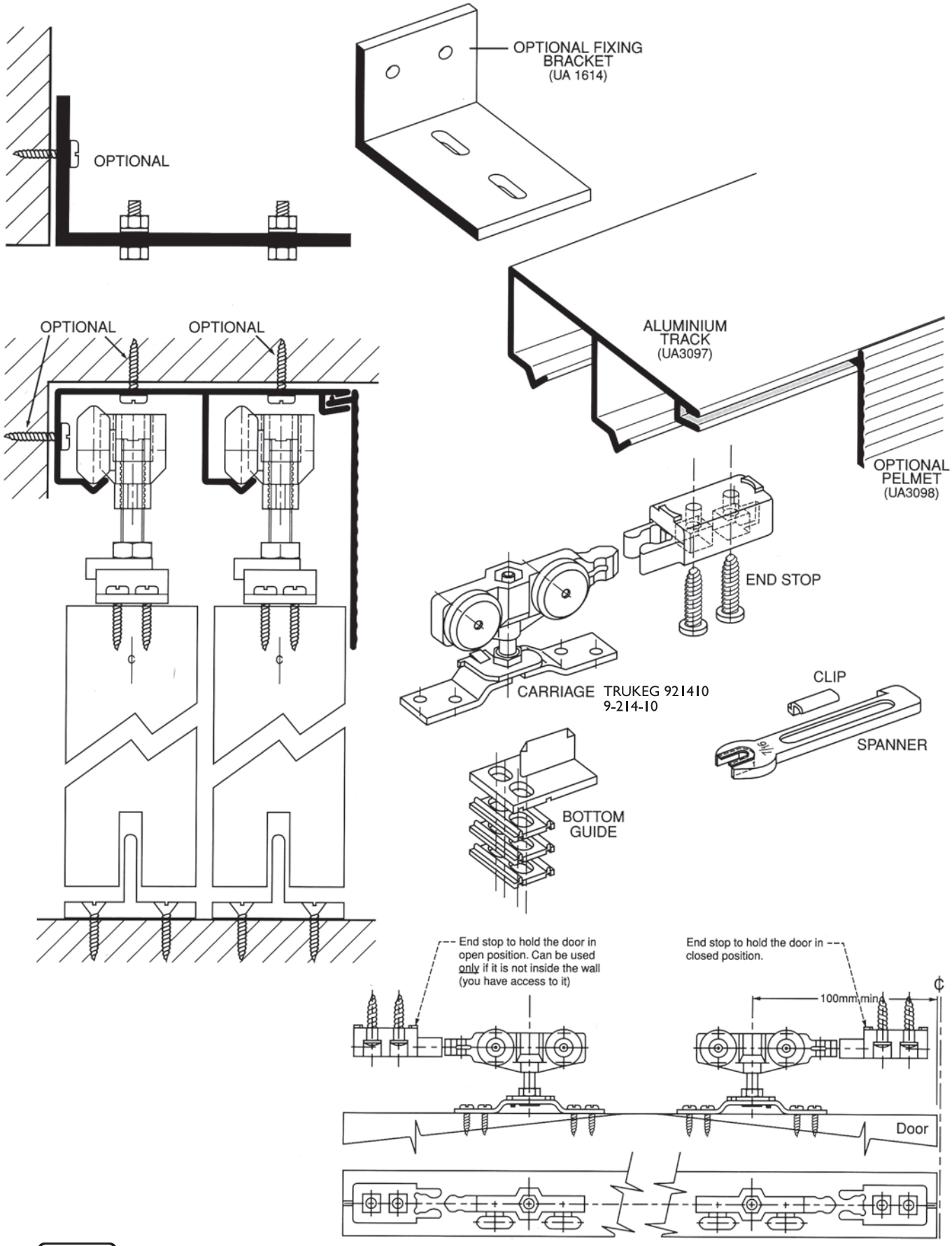
BOXED SET OF COMPONENTS INCLUDES
2 CARRIAGES
2 END STOPS
1 BOTTOM GUIDE SET
1 SPANNER AND CLIP
SCREWS

OPTIONAL FIXING BRACKET EACH

DIAGRAMS ACTUAL SIZE UNLESS OTHERWISE INDICATED.
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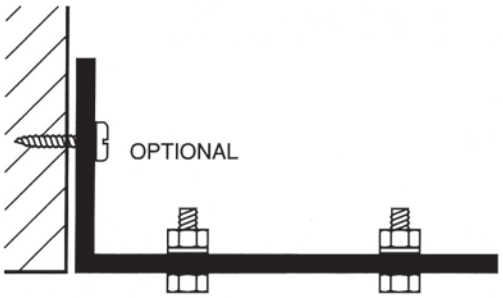
DOUBLE SLIDING TRACK - ASSEMBLY DETAILS 1

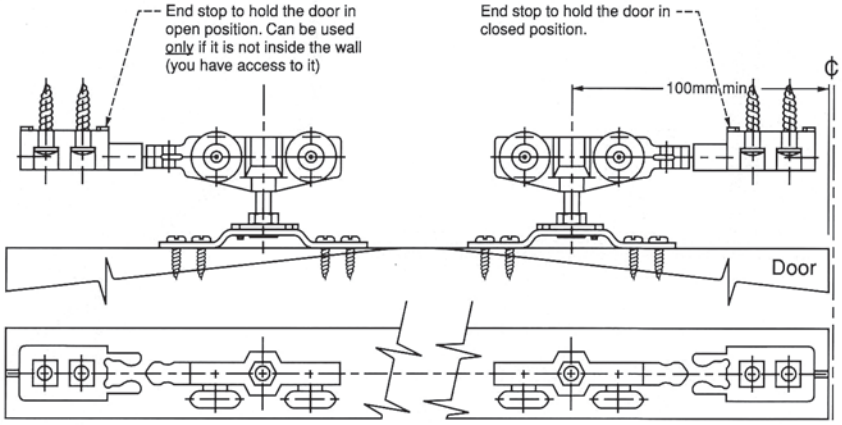


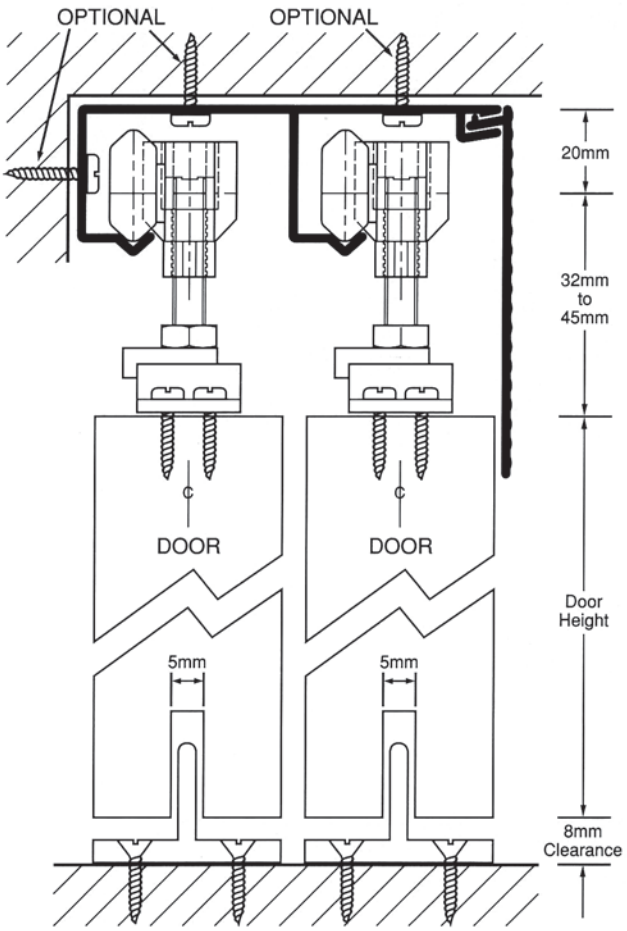
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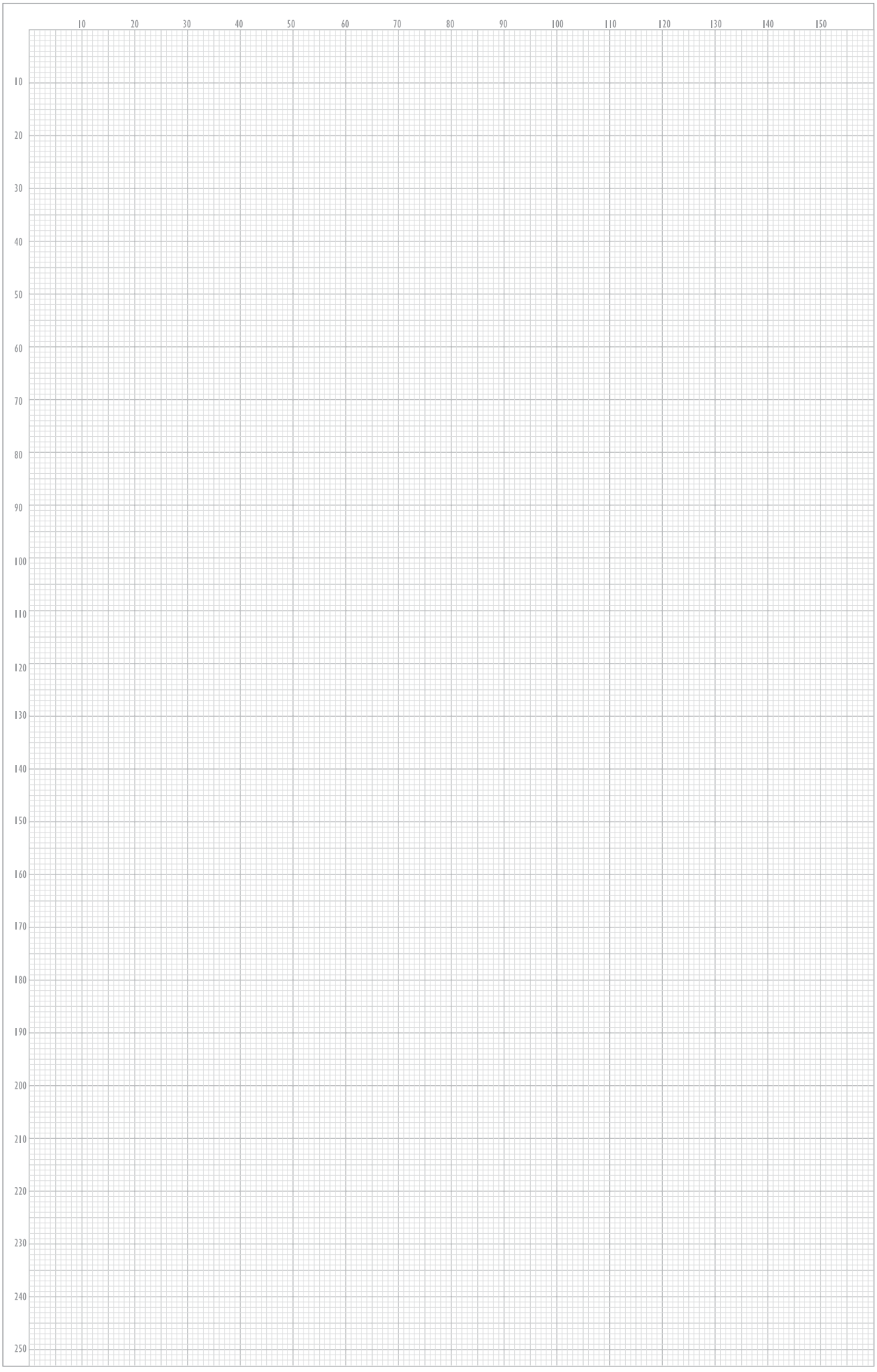
BOXED SET OF COMPONENTS INCLUDES
2 CARRIAGES
2 END STOPS
1 BOTTOM GUIDE SET
1 SPANNER AND CLIP
SCREWS

OPTIONAL FIXING BRACKET EACH

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PLANNING GRID AND NOTES



DIE No	DESCRIPTION
UA 1340	LT7 DOOR CAP
UA 1341	SLIDING DOOR TRACK
UA 1342	3mm SPLIT TEE
UA 1343	SLIDING DOOR TEE
UA 1345	DOOR TEE
UA 1347	TICKET HOLDER
UA 1348	TICKET HOLDER
UA 1350	CURTAIN TRACK
UA 1351	CURTAIN TRACK
UA 1352	GLASS SILL
UA 1353	GLASS TRACK Top
UA 1354	GLASS TRACK Base
UA 1356	GLASS JOINTER
UA 1359	PICTURE FRAME
UA 1363	CUPBOARD PULL
UA 1369	HINGE
UA 1370	HINGE
UA 1390	STAKE ANGLE
UA 1391	SHOWER FRAME
UA 1392	SHOWER FRAME
UA 1492	SCALLOP MOULD
UA 1643	DRAWER PULL
UA 1663	F - SECTION
UA 1678	SHELF BRACKET
UA 1679	SHELF BRACKET
UA 1941	SKIRTING
UA 1950	DRAWER PULL
UA 1951	COLONIAL BEAD
UA 1952	COLONIAL BEAD
UA 2000	PICTURE FRAME
UA 2039	PICTURE FRAME
UA 2086	FLASHING
UA 2154	DOOR TRACK
UA 2221	DOOR TRACK
UA 2229	DOOR TRACK
UA 2251	51mm FLUTED COLUMN
UA 2462	TICKET HOLDER
UA 2482	TICKET HOLDER
UA 2483	TICKET HOLDER
UA 2516	CUSTOMWOOD INSERT
UA 2589	SHELF BRACKET Melteca
UA 2852	SLATWALL INSERT
UA 2899	PLANK - DECK EXTENSION
UA 2906	DIN RAIL
UA 3006	AWNING FRAME
UA 3016	4mm SPLIT TEE
UA 3219	CAPPING
UA 3266	HANGING FILE RAIL
UA 3267	ROLLER BLIND BAR

DIE No	DESCRIPTION
UA 3465	TOE BOARD
UA 3703	TRACK
UA 3769	SLIDING DOOR TEE
UA 4130	GLASS CHANNEL
UA 4382	CONCRETE SCREED
UA 4473	BENCH SEAT TOP
UA 4587	SKIRTING
UA 4588	SKIRTING
UA 4592	PLANK
UA 4650	STAIR STRINGER
UA 4651	STAIR TREAD
UA 4980	P -SECTION
UA 5402	DROP SIDE HINGE
UA 6341	OFFSET TEE
UA 6861	MIRROR MOUNT BASE
UA 6862	MIRROR MOUNT TOP
UA 7070	BULB TEE
UA 7071	BULB TEE
UA 7237	RULER
UA 7713	DIN RAIL

NOTE: RED INDICATES

= MILL RUN ONLY = NON-STOCKED ITEM

MINIMUM ORDER QUANTITY 200KG

CONTACT YOUR LOCAL BRANCH TO ENQUIRE

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UA 1341
SLIDING DOOR TRACK
kg/m 0.083 P 37
OAD 12 x 7

UA 1342
3mm SPLIT TEE
kg/m 1.035 P 226
OAD 57 x 32

UA 1343
SLIDING DOOR TEE
k/gm 0.173 P 66
OAD 20.3 x 13.5

UA 1345
DOOR TEE
kg/m 0.146 P 65
OAD 15.8 x 19

UA 2154
DOOR TRACK
kg/m 0.143 P 48
OAD 19 x 6

UA 2229
DOOR TRACK
kg/m 0.241 P 95
OAD 25 x 22.8

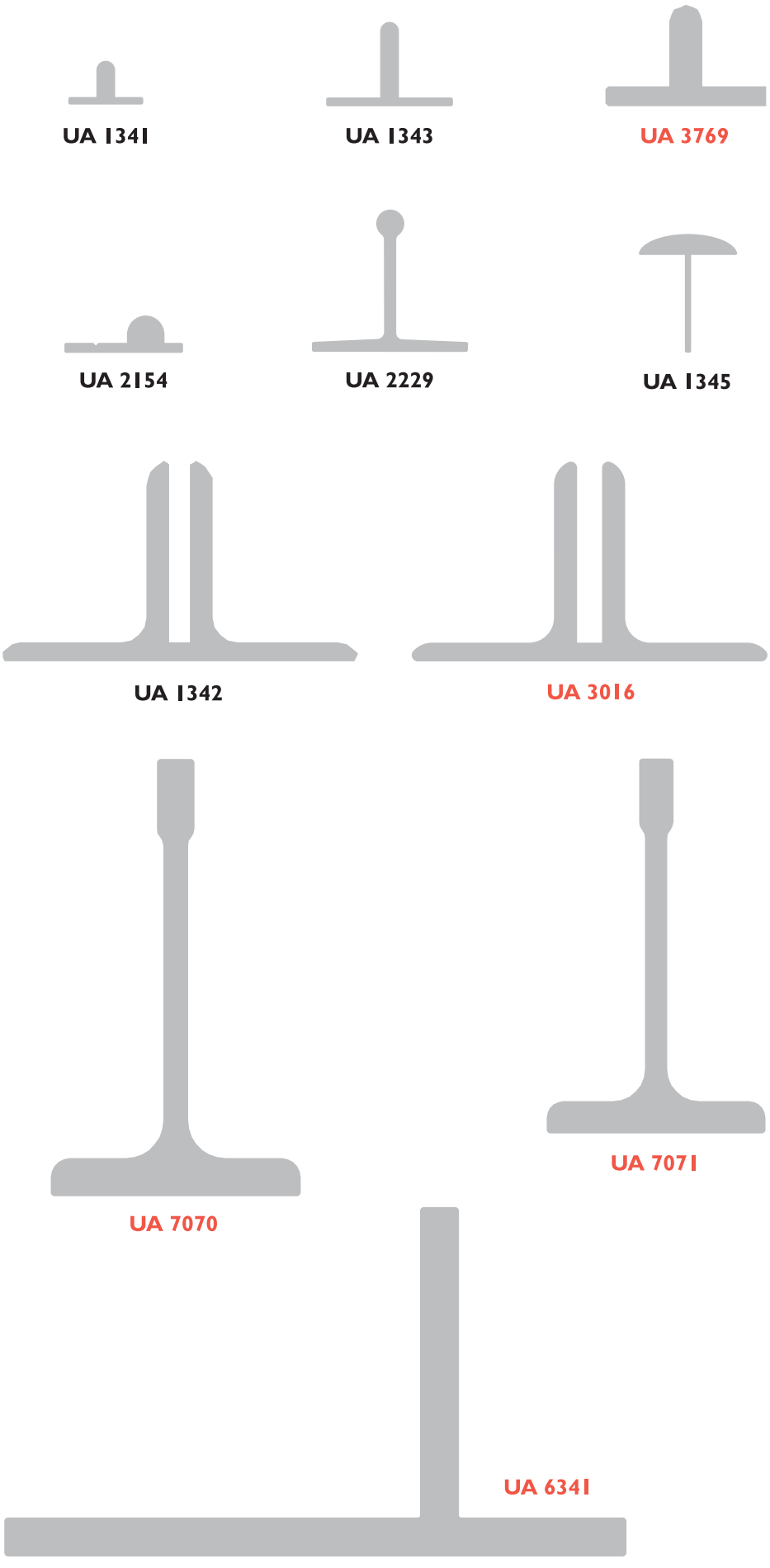
UA 3016 (MR)
4mm SPLIT TEE
k/gm 1.039 P 226
OAD 57 x 32

UA 3769 (MR)
SLIDING DOOR TEE
k/gm 0.364 P 80
OAD 25.4 x 15.9

UA 6341 (MR)
OFFSET TEE
k/gm 2.429 P 311
OAD 100 x 56

UA 7070 (MR)
BULB TEE
k/gm 1.447 P 214
OAD 70 x 40

UA 7071 (MR)
BULB TEE
k/gm 1.086 P 185
OAD 60 x 35



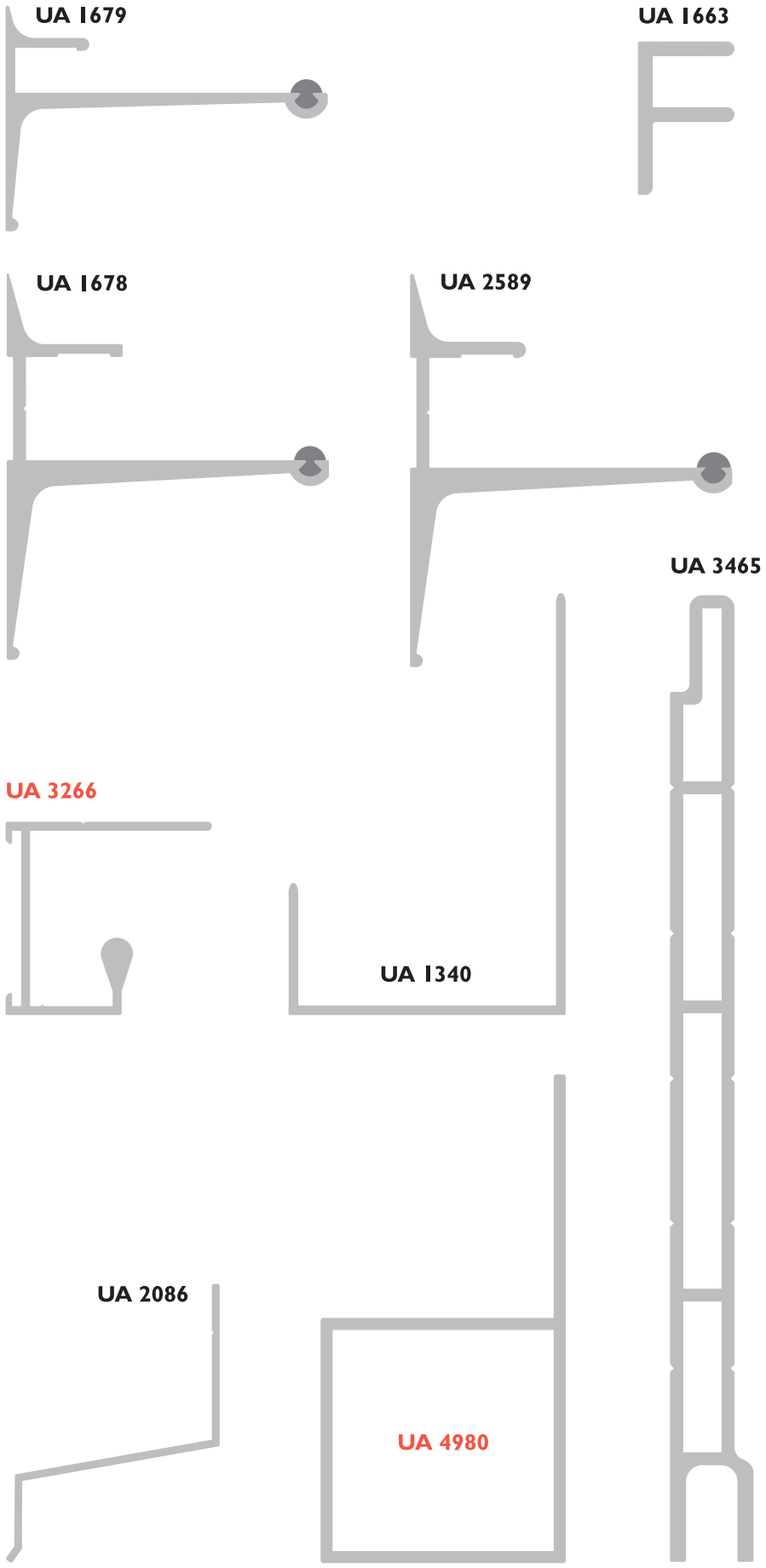
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INFILLS SOLD SEPARATELY

UA 1340
LT7 DOOR CAP
kg/m 0.508 P 254
OAD 65.5 x 43

UA 1663
7.9mm F SECTION
kg/m 0.302 P 100
OAD 23.8 x 15

UA 1678
16mm SHELF BRACKET
kg/m 0.859 P 251
OAD 60 X 50 Infill 4386

UA 1679
6mm SHELF BRACKET
kg/m 0.505 P 197
OAD 50 x 35 Infill 4386

UA 2086
FLASHING
kg/m 0.225 P 141
OAD 40 x 38

UA 2589
17mm SHELF BRACKET Melteca
kg/m 0.861 P 252
OAD 61 x 50 Infill 4386

UA 3266 (MR)
HANGING FILE RAIL
kg/m 0.389 P 188
OAD 32 x 30

UA 3465
TOE BOARD
kg/m 1.821 P 351
OAD 150 x 13

UA 4980 (MR)
P - SECTION
kg/m 0.793 P 228
OAD 76 x 38

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UA 1350
CURTAIN TRACK Top Fix
kg/m 0.082 P 54
OAD 14.5 x 5.8

UA 1351
CURTAIN TRACK Side Fix
kg/m 0.125 P 81
OAD 17 x 12

UA 1359
PICTURE FRAME
kg/m 0.281 P 143
OAD 22.02 x 22.95

UA 2000
PICTURE FRAME
kg/m 0.144 P 86
OAD 16.3 x 13.1

UA 2039
PICTURE FRAME
kg/m 0.164 P 103
OAD 20.5 x 12.5

UA 2221
DOOR TRACK
kg/m 0.378 P 178
OAD 30 x 25

UA 2906
DIN RAIL
kg/m 0.353 P 141
OAD 35.5 x 13

UA 3006
AWNING FRAME
kg/m 0.381 P 127
OAD 23 x 23

UA 3703
TRACK
kg/m 0.116 P 81
OAD 19.1 x 9.3

UA 4130 (MR)
GLASS CHANNEL
kg/m 0.165 P 105
OAD 18 x 18

UA 6861
MIRROR MOUNT BASE
Takes stake 1379 (red)
kg/m 0.218 P 116
OAD 25 x 10.5

UA 6862
MIRROR MOUNT TOP
kg/m 0.166 P 83
OAD 27.03 x 12.3

UA 7713 (MR)
DIN RAIL
kg/m 0.381 P 141
OAD 35.2 x 13.1

UA 2000 **UA 2039** **UA 1359**



PICTURE FRAME ASSEMBLY CORNER SETS
Available
Code: PICCORNERSET

UA 3006



UA 1350 **UA 1351**



PLASTIC CURTAIN GLIDES
Available for: UA 1350, UA 1351
Code: CURGLIDESW
CURENDSW

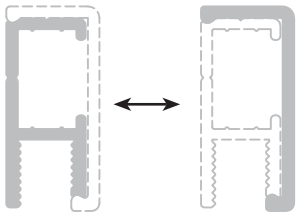


PVC INSERT STRIP
Fits: UA 3006
Code: 6INSM

UA 2906



UA 6861 **UA 6862**



UA 7713



MIRROR MOUNT PLASTIC END CAPS
Available
Code: W104

UA 4130 **UA 3703** **UA 2221**

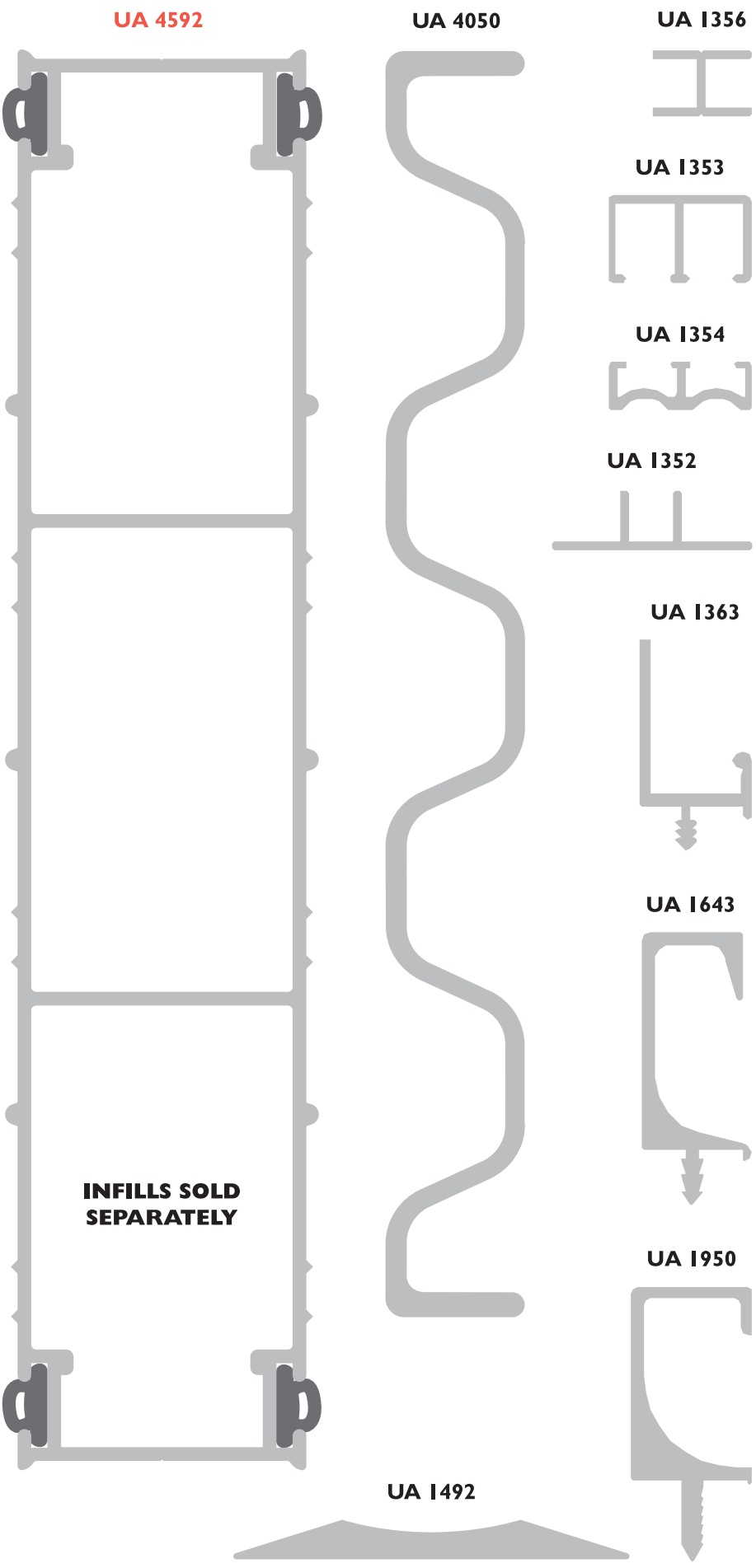


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UA 1352
6mm GLASS SILL
kg/m 0.182 P 99
OAD 32 x 9.5

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 1356
6mm GLASS JOINTER
kg/m 0.159 P 82
OAD 16 x 10.5

UA 1363
16mm CUPBOARD PULL
kg/m 0.314 P 130
OAD 34 x 18

UA 1492
SCALLOP MOULD
kg/m 0.729 P 131
OAD 63.5 x 6.35

UA 1643
16mm DRAWER PULL
kg/m 0.546 P 164
OAD 44 x 17.4

UA 1950
19mm DRAWER PULL
kg/m 0.633 P 166
OAD 44 x 19.5

UA 4050
FISH BOARD
kg/m 2.687 P 600
OAD 203.2 x 22.3

UA 4592 (MR)
PLANK
kg/m 3.447 P 657
OAD 228 x 50 Infill 113

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UA 1369 (MR)
HINGE
kg/m 0.590 P 115
OAD 49.2 x 14.5

UA 1370
HINGE
kg/m 0.607 P 118
OAD 49.2 x 14.5

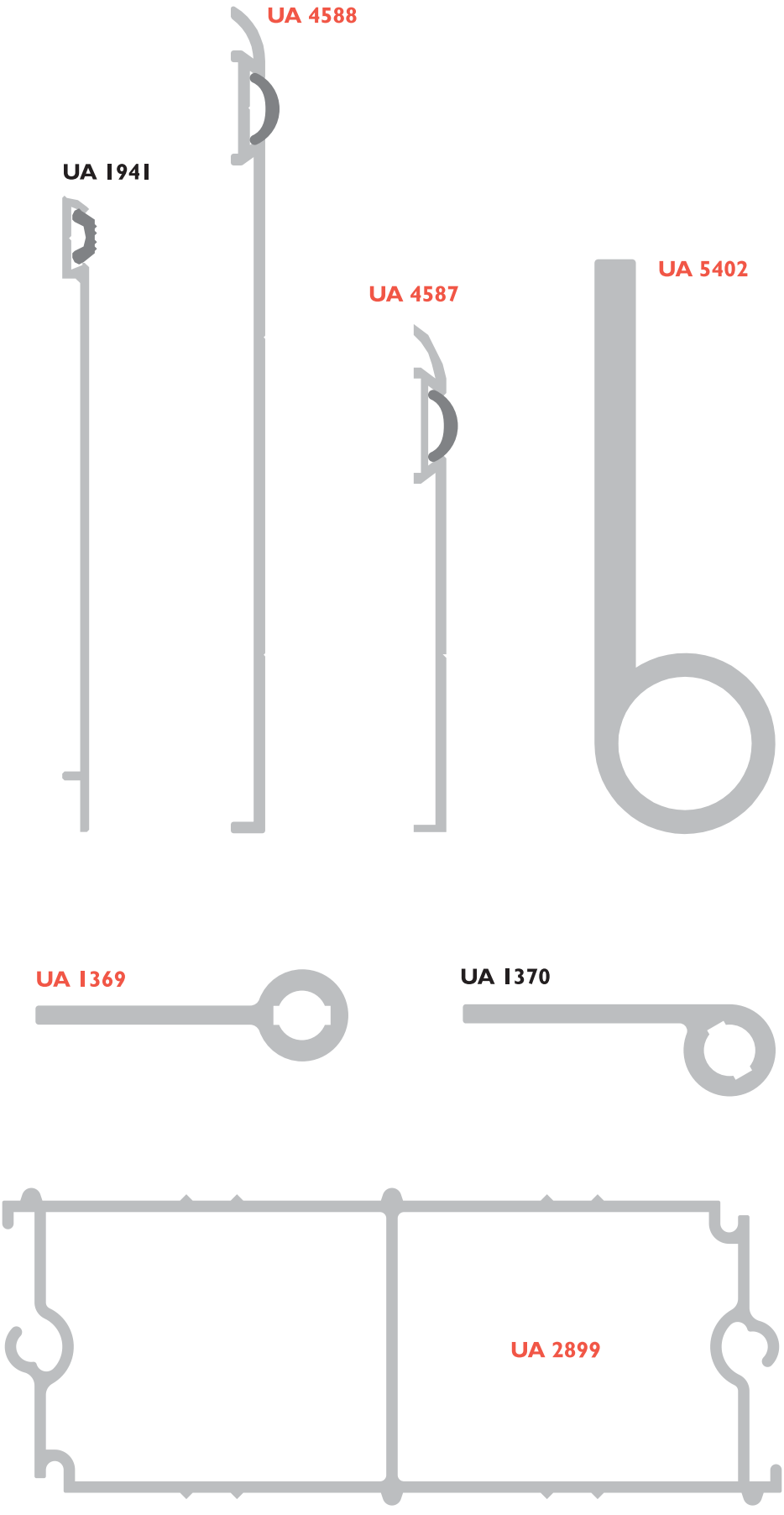
UA 1941
SKIRTING
kg/m 0.440 P 219
OAD 100 x 4.2 Infill 11

UA 2899 (MR)
PLANK - DECK EXTENSION
kg/m 2.039 P 419
OAD 122.8 x 50

UA 4587 (MR)
SKIRTING
kg/m 0.414 P 194
OAD 80 x 5.2 Infill 12

UA 4588 (MR)
SKIRTING
kg/m 0.630 P 294
OAD 130 x 5.2 Infill 12

UA 5402 (MR)
DROP SIDE HINGE
kg/m 1.828 P 221
OAD 90 x 28



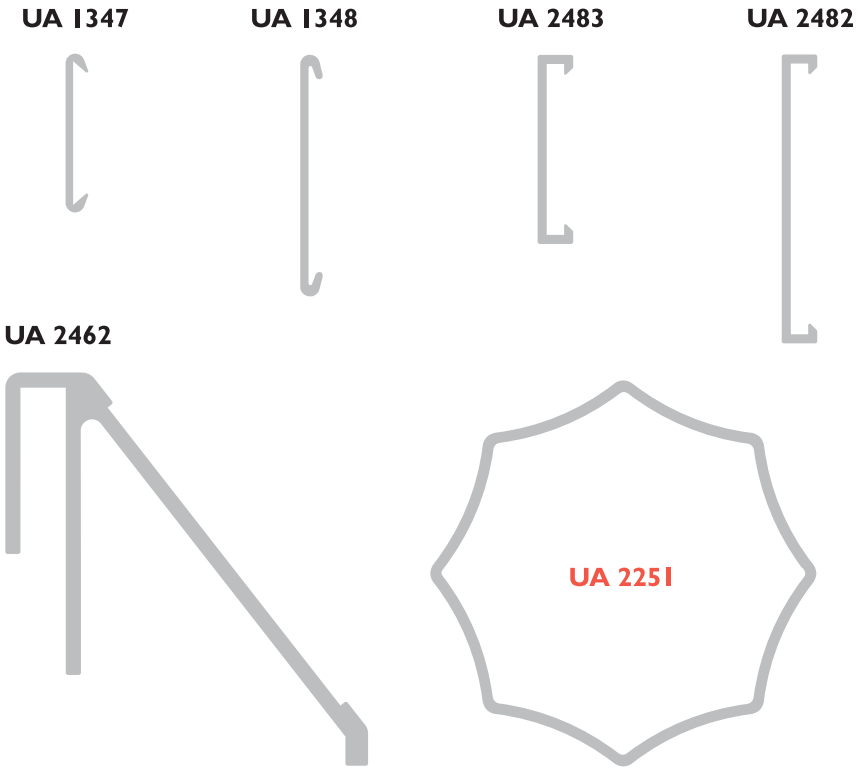
INFILLS SOLD SEPARATELY

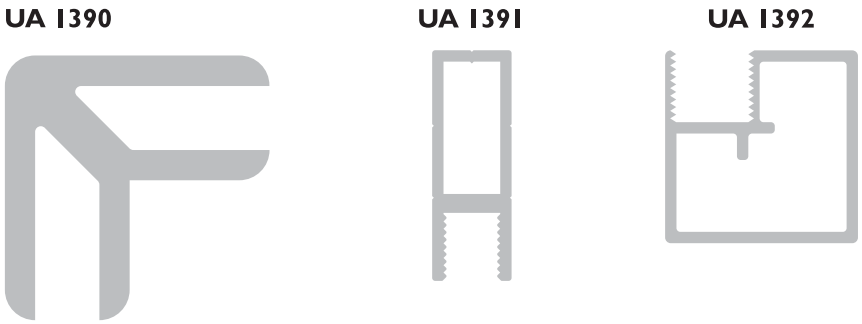
DIAGRAMS ACTUAL SIZE UNLESS OTHERWISE INDICATED.
DIAGRAMS ARE SCHEMATIC ONLY AND NOT INTENDED AS SPECIFICATION DRAWINGS.
OAD = OVERALL DIMENSIONS
P = EXT PERIPHERY

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MR = MILL RUN ONLY • NON-STOCKED ITEM • MINIMUM ORDER 200KG
NOTE: Not all products are available ex-stock, check with your local branch for advice on availability.





UA 1347
19mm TICKET HOLDER
kg/m 0.069 P 53
OAD 21 x 3

UA 1348
29mm TICKET HOLDER
kg/m 0.113 P 76
OAD 32 x 3

UA 1390
STAKE ANGLE fits 1391
kg/m 1.317 P 223
OAD 35 x 35

UA 1391
SHOWERSCREEN FRAME
kg/m 0.341 P 107
OAD 30.5 x 10.5

UA 1392
SHOWERSCREEN FRAME
kg/m 0.430 P 136
OAD 25.5 x 25.5

UA 2251 (MR)
51mm FLUTED COLUMN
kg/m 0.622 P 159
OAD 51 x 51

UA 2462
50mm TICKET HOLDER
kg/m 0.762 P 265
OAD 52 x 48

UA 2482
35mm TICKET HOLDER
kg/m 0.154 P 97
OAD 38.2 x 4.7

UA 2483
22mm TICKET HOLDER
kg/m 0.110 P 71
OAD 25 x 4.7

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UA 1951
COLONIAL BEAD
kg/m 0.174 P 84
OAD 19.2 x 10

UA 1952
COLONIAL BEAD
kg/m 0.121 P 58
OAD 19.2 x 3.8

UA 2516
CUSTOMWOOD INSERT
kg/m 0.165 P 104
OAD 23 x 12

UA 2852
SLATWALL INSERT
kg/m 0.224 P 140
OAD 32 x 12.5

UA 3219
CAPPING
kg/m 0.762 P 285
OAD 47 x 39

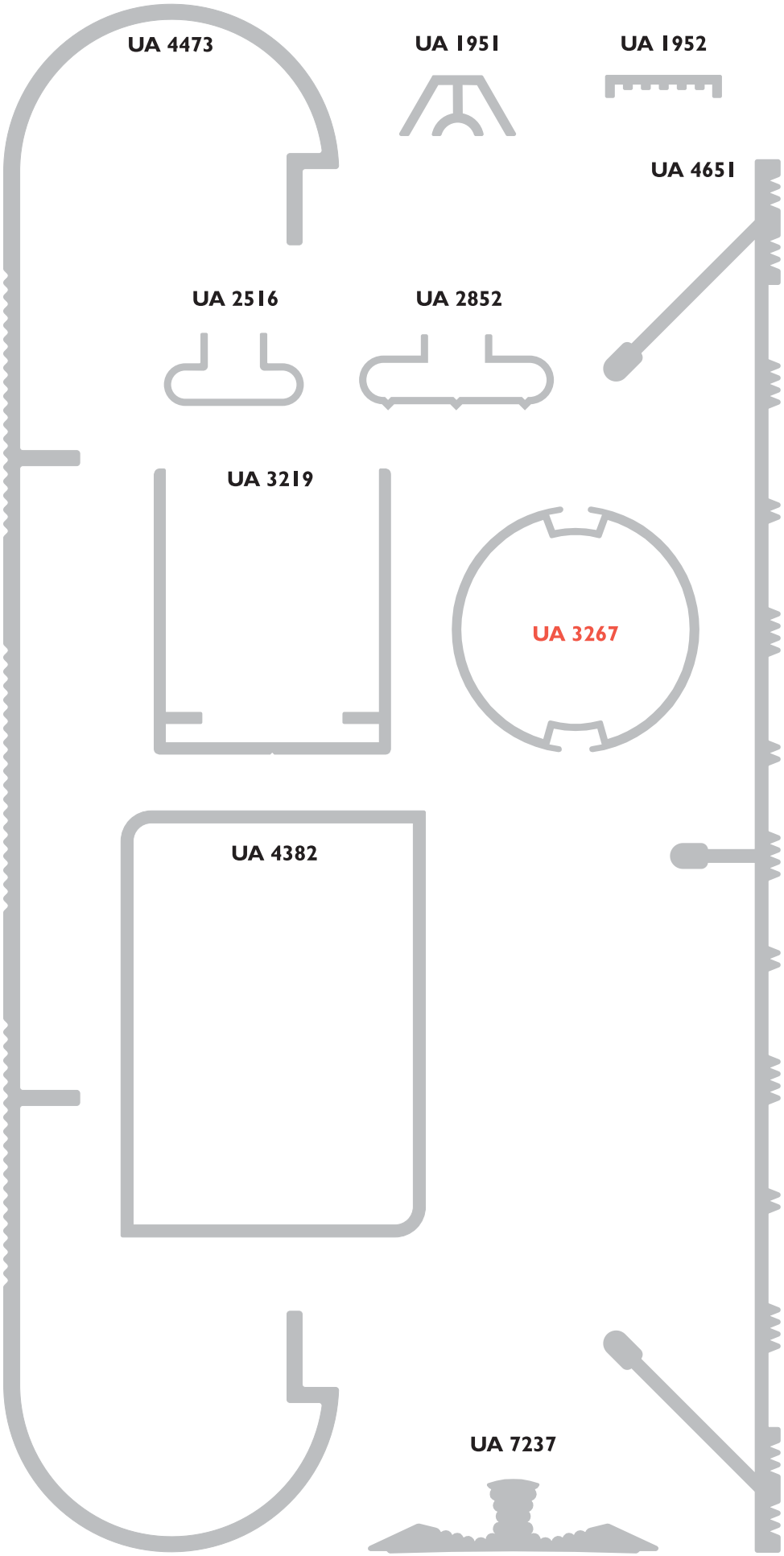
UA 3267 (MR)
BLINDS ROLLER
kg/m 0.564 P 156
OAD 40.7 x 40.35

UA 4382
CONCRETE SCREED
kg/m 1.234 P 236
OAD 70 x 50

UA 4473
BENCH SEAT TOP
kg/m 2.787 P 870
OAD 254 x 55

UA 4651
STAIR TREAD
kg/m 2.128 P 747
OAD 230 x 29.04

UA 7237
RULER
kg/m 0.507 P 128
OAD 47.5 x 12.5



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DIE No	DESCRIPTION
UA 1310	DRAFT EXCLUDER
UA 1349	DRAFT EXCLUDER
UA 1438	THRESHOLD
UA 1521	DOOR SEAL TOP

NOTE: RED INDICATES

= MILL RUN ONLY = NON-STOCKED ITEM

MINIMUM ORDER QUANTITY 200KG

CONTACT YOUR LOCAL BRANCH TO ENQUIRE

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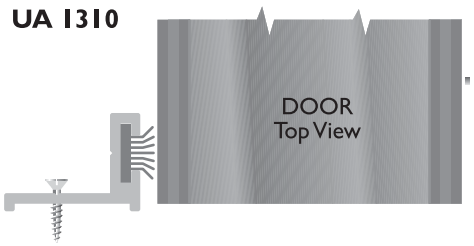
UA 1310
DRAFT EXCLUDER
kg/m 0.145 P 75
OAD 18 x 13

UA 1349
DRAFT EXCLUDER
kg/m 0.123 P 72
OAD 22 x 7.5

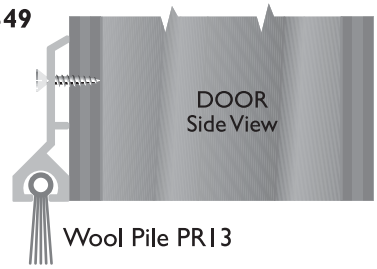
UA 1438
THRESHOLD
kg/m 0.530 P 239
OAD 70 x 9 Infills 4126,111

UA 1521
DOOR SEAL TOP
kg/m 0.197 P 81
OAD 30.5 x 19

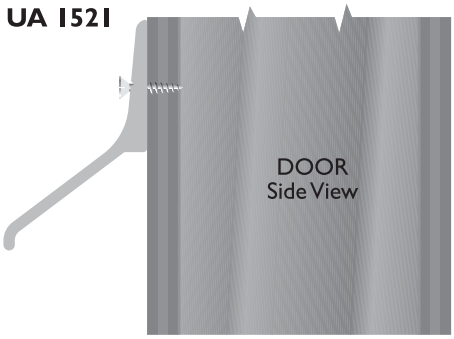
UA 1310



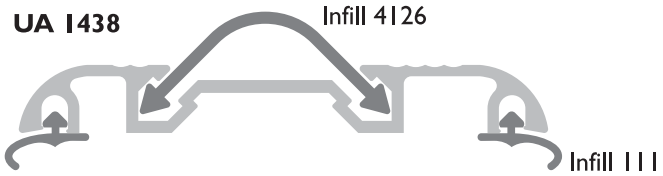
UA 1349



UA 1521



UA 1438



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INFILLS SOLD SEPARATELY

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DIE No	DESCRIPTION
UA 1641	FLANGED FRAME 25mm
UA 1642	FRAME 25mm

NOTE: RED INDICATES

= MILL RUN ONLY = NON-STOCKED ITEM

MINIMUM ORDER QUANTITY 200KG

CONTACT YOUR LOCAL BRANCH TO ENQUIRE

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UA 1641
FLANGED FRAME 25mm
kg/m 0.343 P 114
OAD 31.9 x 25.4

UA 1642
FRAME 25mm
kg/m 0.313 P 102
OAD 25.4 x 25.4

Description

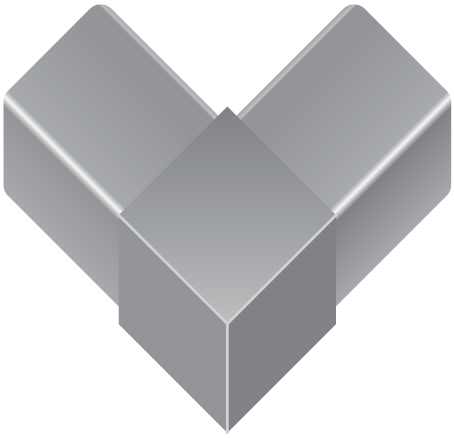
The Ullrich Modular Design System uses a tube-and-jointer construction for DIY shelving, storage, desking and display.
Using a rubber mallet, the system can be assembled in minutes, ready for shelving and panelling of your choice.

The finished units are sturdy yet lightweight, can be disassembled for storage or transit, and can be rearranged or extended for changing circumstances.

The 25mm profile can be powder-coated in your choice of colour.
Jointer components are available in black only.

See the Modular Design System brochure for more details.

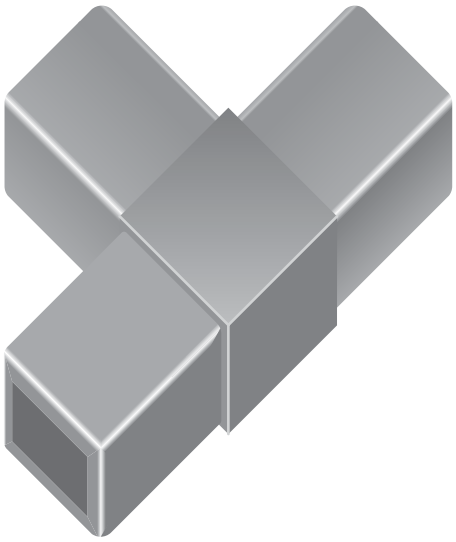
2 WAY CORNER JOINTER



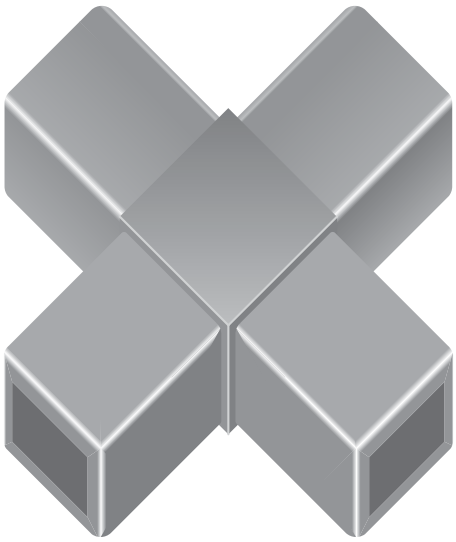
UA 1641

UA 1642

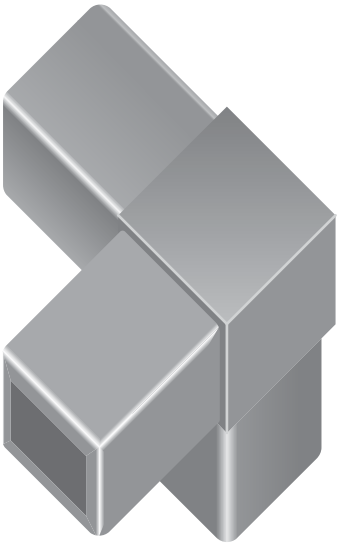
3 WAY T SHAPE JOINTER



4 WAY X SHAPE JOINTER



3 WAY Y SHAPE CORNER JOINTER



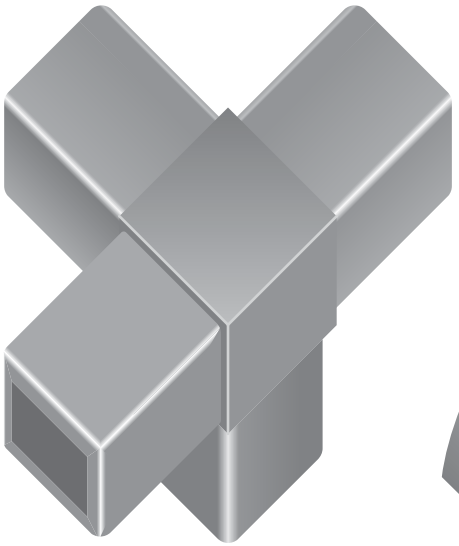
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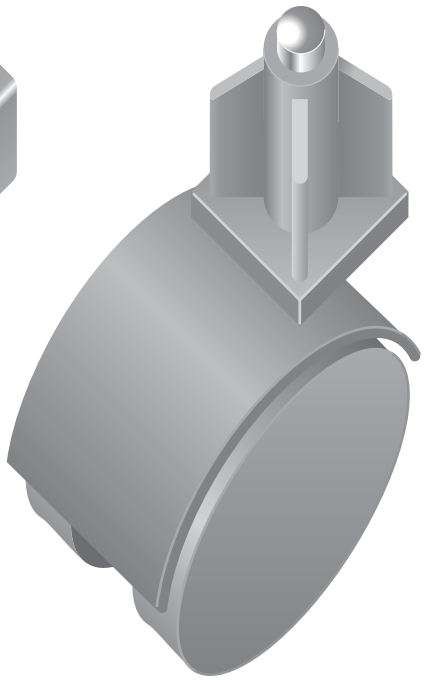
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4 WAY Y SHAPE JOINTER



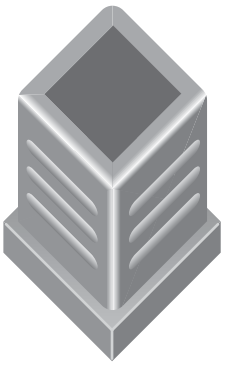
CASTOR



5 WAY JOINTER



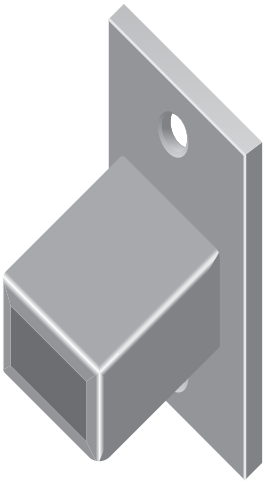
END CAP



6 WAY JOINTER

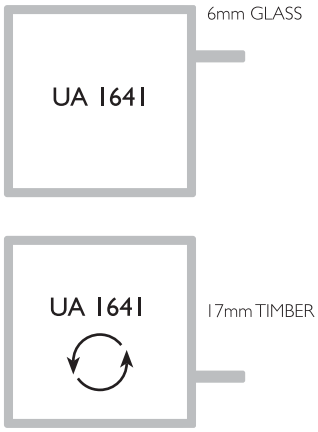


MOUNTING BRACKET



Panelling Options

25mm flanged tube is designed to accept 17mm timber or 6mm glass.



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Preliminary planning

To simplify planning and assembly, minimise the number of different tube lengths for your construction to as few as possible.

Only four standard tube lengths are needed as the basis for many different types of construction.

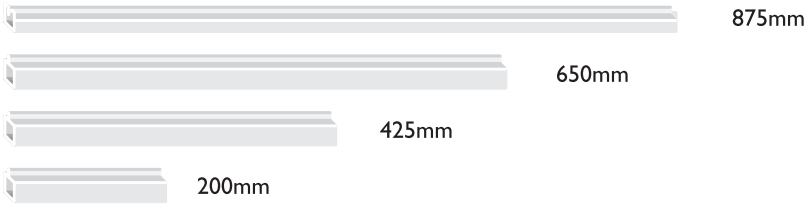
In assembly, these modules conform to accepted ergonomic work-height standards for desks and benches, and generally cater for typical dimensions of home appliances, computers, office files and books.

Here, jointed selections of shorter modules combine in many different ways to equal the lengths of jointed longer tube modules. This offers multi-strata design flexibility, vertically and horizontally, to customise storage or workspace for maximum efficiency and economy, while ensuring even finished widths and heights in the assembled unit no matter how varied the internal construction.

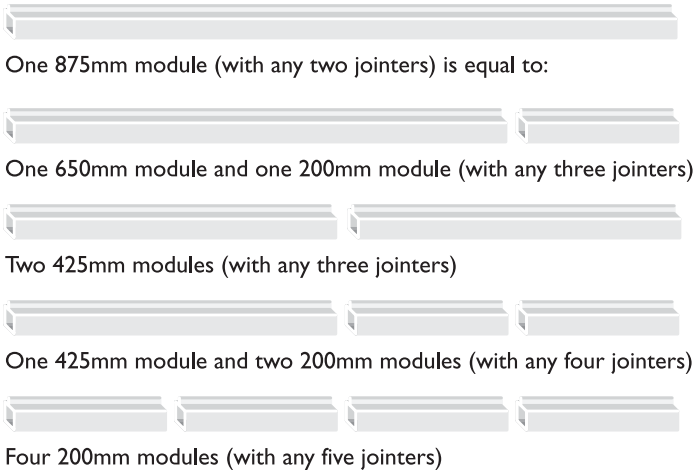
This facilitates customised construction, for example, various sized filing compartments above or below a wider desktop, or construction of shelves of various widths, depths and heights to suit different sizes of books, displays or audio-video appliances in a wall unit.

A multitude of designs from only four tube lengths as an example.

Supplied as 5 metre lengths only, *not available as pre-cut pieces or cut to length.*



How the tube modules work together for furniture that fits.



One 875mm module (with any two jointers) is equal to:

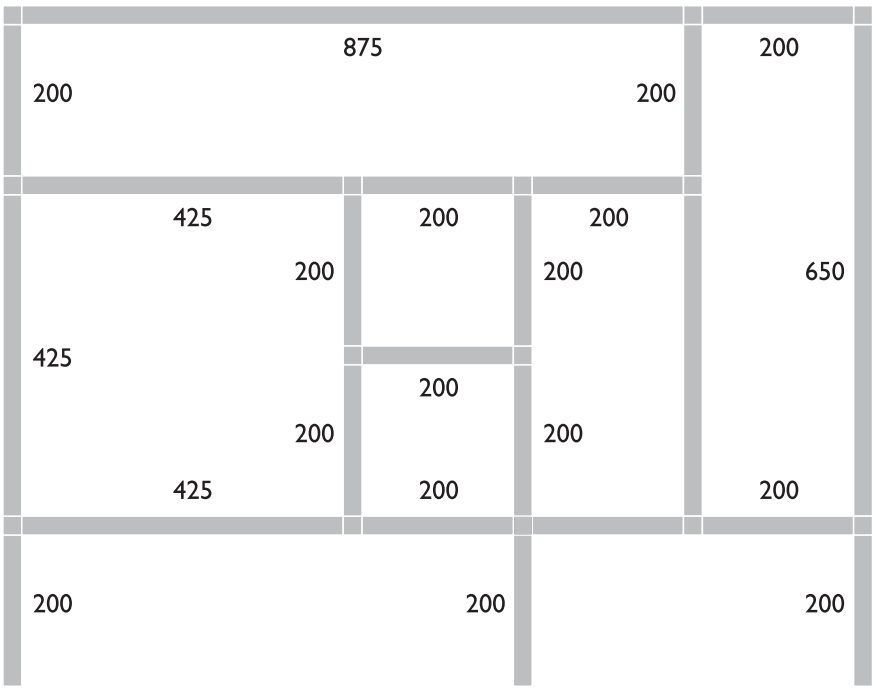
One 650mm module and one 200mm module (with any three jointers)

Two 425mm modules (with any three jointers)

One 425mm module and two 200mm modules (with any four jointers)

Four 200mm modules (with any five jointers)

Modular construction offers flush-fitting furniture with multiple storage options.



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DIE No	DESCRIPTION
STORM SHUTTER	
UA 1055	WEDGE PIN
UA 1056	TOP CHANNEL
UA 1057	BOTTOM CHANNEL
ACCORDION STORM SHUTTER	
UA 2916	STRIKE
UA 2917	LOCK
UA 2918	GUIDE
UA 2919	CHANNEL
UA 2920	WHEEL GUIDE
UA 2921	SHUTTER SLAT
UA 2922	SHUTTER END

NOTE: RED INDICATES

= MILL RUN ONLY = NON-STOCKED ITEM

MINIMUM ORDER QUANTITY 200KG

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UA 1055
WEDGE PIN
kg/m 3.410 P 221
OAD 95 x 22

UA 1056
TOP CHANNEL
kg/m 0.811 P 315
OAD 70 x 49

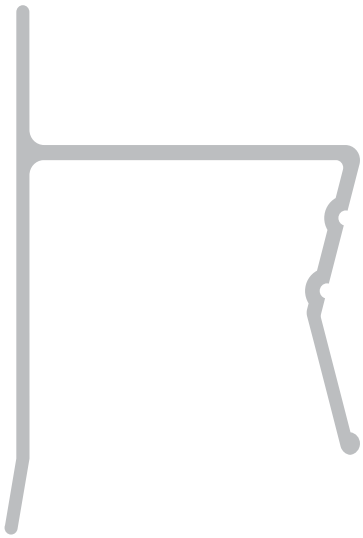
UA 1057
BOTTOM CHANNEL
kg/m 0.626 P 244
OAD 81 x 32

ASSEMBLY DETAILS
Refer: 26-3

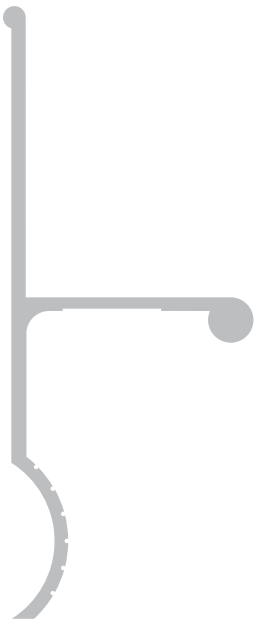
UA 1055



UA 1056



UA 1057



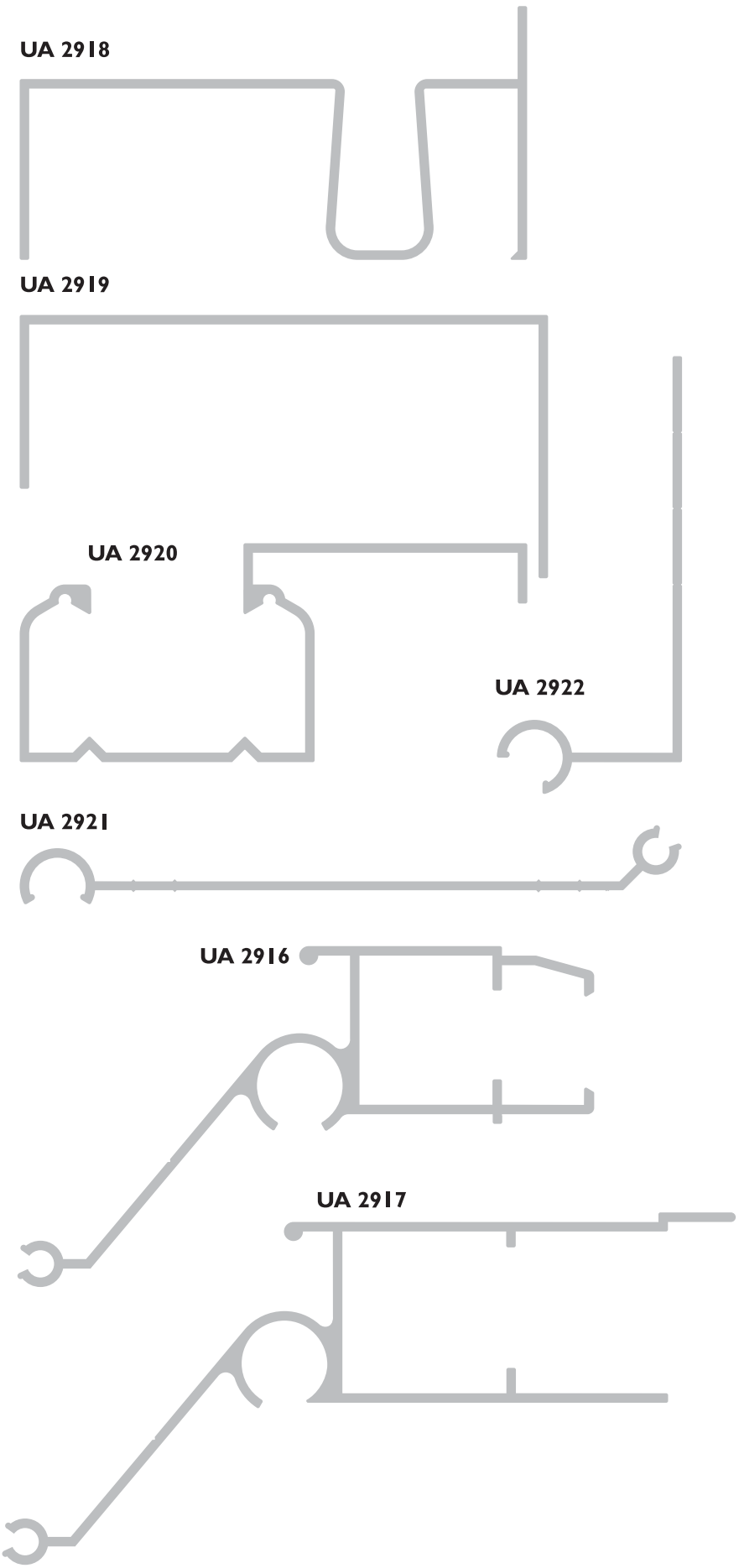
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UA 2916
STRIKE
kg/m 0.899 P 423
OAD 89.72 x 53.65

UA 2917
LOCK
kg/m 1.040 P 489
OAD 114.33 x 55.4

UA 2918
GUIDE
kg/m 0.806 P 400
OAD 80 x 40

UA 2919
CHANNEL
kg/m 0.606 P 302
OAD 83.3 x 41.5

UA 2920
WHEEL GUIDE
kg/m 0.752 P 360
OAD 80 x 34.5

UA 2921
SHUTTER SLAT
kg/m 0.512 P 255
OAD 104.37 x 12.37

UA 2922
SHUTTER END
kg/m 0.441 P 214
OAD 69.29 x 29.49

ASSEMBLY DETAILS
Refer: 26-3

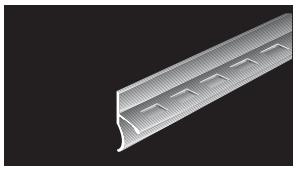
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STORM SHUTTER ASSEMBLY

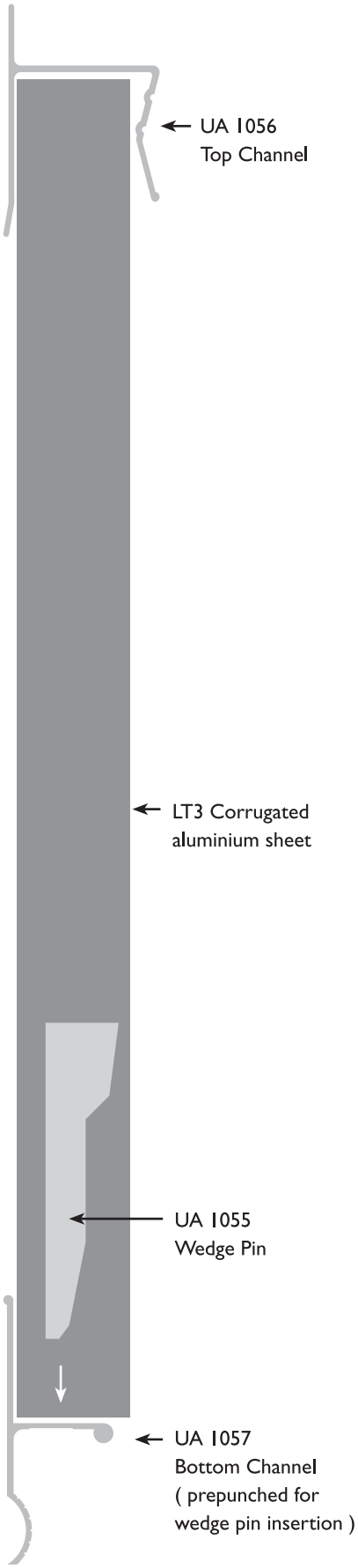




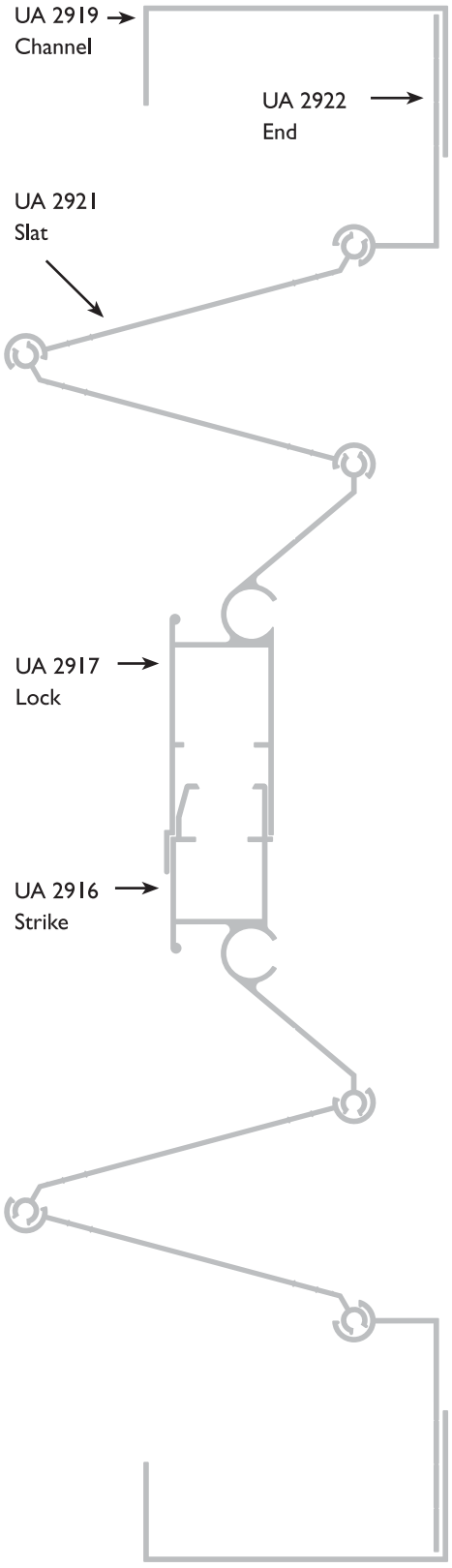


Above from top
Storm Shutter
UA 1057 prepunching detail
Accordion Storm Shutter

STORM SHUTTER ASSEMBLY: side view, scale 1:2



ACCORDION STORM SHUTTER ASSEMBLY: plan view, scale 1:2



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DIE No	DESCRIPTION
UA 2247	PALLET DECK
UA 2435	PALLET BEARER
UA 2436	PALLET DECK

NOTE: RED INDICATES

= MILL RUN ONLY = NON-STOCKED ITEM

MINIMUM ORDER QUANTITY 200KG

CONTACT YOUR LOCAL BRANCH TO ENQUIRE

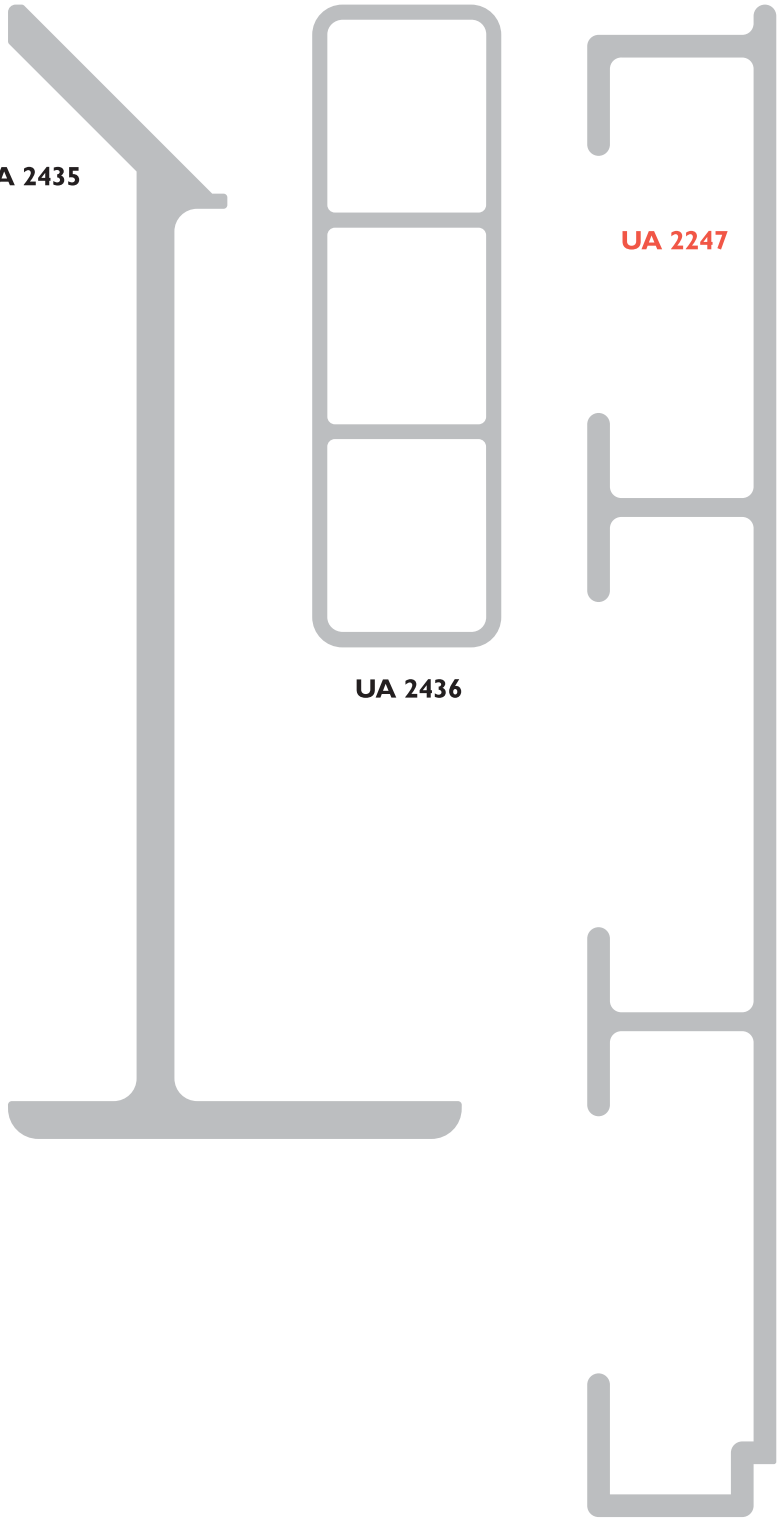
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UA 2247 (MR)
PALLET DECK (Cargon)
kg/m 2.844 P 704
OAD 200 x 25

UA 2435
PALLET BEARER
kg/m 2.918 P 435
OAD 150 x 60

UA 2436
PALLET DECK
kg/m 1.348 P 214
OAD 85 x 25



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EXTRUSION TERMINOLOGY
PROPERTIES OF ALUMINIUM
COMPARATIVE CHARACTERISTICS AND APPLICATIONS
TOLERANCES AND MECHANICAL PROPERTY LIMITS
THE STORY OF ALUMINIUM
CONVERSION TO COMPLETION
HANDLING AND STORAGE
TREATMENTS AND SURFACE FINISHES
CLEANING ALUMINIUM SURFACES
THE EXTRUSION PROCESS
LINEAR CONVERSION TABLES

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EXTRUSION TERMINOLOGY

Standard shape Extrusions that are available to all customers.

Exclusive shape Extrusions manufactured to client design and produced for their exclusive use. These are not published in this catalogue.

Standard Alloys, tempers, dimensions and services always available and acceptable for production without further reference.

Non-standard Alloys, tempers, dimensions and services which are outside normal availability and always the subject of special inquiry.

Section drawings Profile outline drawings prepared for every extruded shape. Each one is identified by a die number (eg: UA 1234).

Visible face In a finished construction, the visible surface of any extrusion.

External periphery The measurement used in computing the price for surface finishes on hollow shapes in which the external perimeter only is measured, and the internal void excluded.

Total periphery The total distance around the extruded shape, including internal void surfaces.

Factor Result of dividing total perimeter (internal and external for hollow shapes) of the section in mm by weight in kg/m.

Circumscribing circle Minimum circle inside which extruded shapes fit precisely.

Thickness ratio Optimum desirable ratio of variation of metal thickness in any extruded shape.

Rod Solid round section 10 mm or greater in diameter whose length is greater in relation to its diameter.

Bar Solid section, long in relation to its cross-sectional dimensions, with a symmetrical square, rectangular, hexagonal or octagonal cross-section (excluding flattened wire) with sharp or rounded corners or edges and whose width or greatest distance between parallel faces is 10 mm or greater.

Solid shape Extruded shape whose geometry does not form a void and which is long in relation to its cross-sectional dimensions.

Hollow shape Single enclosed void with width-to-depth ratio not less than 5:1. Wall thickness uniform except for radiused corners.

Semi-hollow shape Solid shape with a cross-section that partially encloses a void, in which the area of the void is substantially greater than the square of the width of the gap, otherwise classified hollow as follows:

Gap dimensions (mm)		**Ratio area-to-gap over which shape is classified hollow**
Over	Up to	
6.0		4.0
3.0	6.0	3.0
1.5	3.0	2.5
1.5	2.0	

Hollow and semi-hollow manufacturing methods offer no undertaking for placement or homogenous nature of weldlines unless agreed prior to placement of order.

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1. 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.

2. 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.

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

4. Strength
The tensile strength of pure aluminium is not high, but depending upon the alloy or temper, a strength of up to 60 kg/mm^2 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.

5. Expansion
Aluminium extrusions have a comparatively high coefficient of expansion which is 0.000023mm per mm length of extrusion per $^\circ$C. A length of aluminium extrusion 6m long will expand over 4mm when the temperature rises 30° C. When designing, especially building design, provison 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.

6. 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.

7. 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.

8. 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.

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

10. 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.

11. 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.

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COMPARATIVE CHARACTERISTICS AND APPLICATIONS

Alloy	Characteristics	Available Forms	Applications
1350	Commercially pure, very ductile in extruded condition. Excellent resistance to corrosion. Excellent electrical conductivity	Simple shapes	Mouldings, lightly stressed and decorative assemblies in architecture and transport, chemical, food and brewing equipment, heat exchangers
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	Architectual extrusions such as glazing bars, window frames and general purpose extrusions
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
6005A	Medium structural alloy. Good extrusion character-istics 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
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
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
2011	Free machining alloy of medium strength, giving fragmented chips. Not suitable for anodising or welding.	Rod	Automatic lathe products, suitable for high speed repetitive machining

Description of Tempers

F	Extrusions as fabricated
O	Extrusions annealed
T1	Cooled from elevated temperature then naturally aged
T4	Solution heat treated then naturally aged
T5	Cooled from elevated temperature then artificially aged
T6	Solution heat treated then artificially aged

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EXTRUSION TOLERANCES

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 tolerances (rounded down[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 250	1.37

1. 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.

MECHANICAL PROPERTY LIMITS - EXTRUDED PRODUCTS

Alloy - Temper	Thickness[1] (mm)		Tensile Strength (MPa)		
			Ultimate minimum	Yield minimum	Elongation [2 3] % min in 50mm or 5.65√-A
	Over	Up to			
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

1. The thickness of the cross-section or wall thickness from which the tension specimen is taken determines the applicable mechanical properties.

2. 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.

3. A = specimen cross-sectional area.

4. These yield strengths are not determined nor guaranteed unless specifically requested.

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

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
1mm = 0.0666 Kg

Billet, 202mm diameter
1mm = 0.0875 Kg

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THE STORY OF ALUMINIUM

DISCOVERY AND DEVELOPMENT

The art of pottery making was developed in northern Iraq about 5300 BC. The clay used for making the best pottery consisted largely of a hydrated silicate of aluminium. Certain other aluminium compounds known as ***alums*** were widely used by the Egyptians and Babylonians a early as 2000 BC in vegetable dyes, various chemical processes and for medicinal purposes. It was generally known as ***metal of clay*** and for thousands of years could not be separated by any known method from its link with other elements. As relatively late as 1782 the French chemist, Lavoisier, said it was the oxide of an unknown metal.

Aluminium, as we understand it, was isolated early in the 19th century, and is in historical terms a relatively recently discovered metal. Lavoisier's opinion was repeated by Sir Humphrey Davy in 1808. He gave it the more scientific sounding name ***aluminum*** (pron: aloominum). His spelling is still used in North America but elsewhere in the world the spelling ***aluminium***, following the suggestion of Henri Sainte-Clair Deville, is used. In 1809 Davy fused iron in contact with alumina in an electric arc to produce an iron-aluminium alloy. For a split second, before it joined with the iron, aluminium existed in its free metallic state for perhaps the first time since our planet was formed. In 1825 H C Oerstedt, a Dane, produced a tiny sample of aluminium in the laboratory by chemical means.

Twenty years later the German scientist, Frederick Wohler, produced aluminium lumps as big as pinheads. In 1854 Sainte-Clair Deville had made improvements to Wohler's method and produced aluminium globules the size of marbles. He was encouraged by Napoleon III to produce aluminium commercially and at the Paris exhibition in 1855 aluminium bars were exhibited next to the crown jewels. It was not until 31 years later however, that an economical way of commercial production was discovered.

On 23 February 1886, a 22-year-old American, Charles Martin Hall worked out the basic electrolytic process still in use today. Hall had begun his experiments while still a student at Oberlin College, Ohio. He achieved his success, after graduation, with home-made apparatus in the family woodshed. He separated aluminium from the oxygen with which it is chemically combined in nature by passing an electric current through a solution of cryolite and alumina.

Almost simultaneously, Paul L T Heroult arrived at the same process in France, although he did not initially recognise its importance in his work in development of aluminium as an alloy-only material. In 1888 the German chemist Karl Joseph Bayer was issued a German patent for an improved process for making Bayer aluminium oxide (alumina). The foundation of the aluminium age was complete. The Bayer, Hall and Heroult processes freed our planet's most plentiful and versatile structural element for widespread use.

ORIGINS

Aluminium is a metallic element that comes from the ore ***bauxite***. Aluminium is one of about 100 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 used in many circumstances where other materials would not be considered.

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HOW ALUMINIUM IS MADE

Bauxite is mined by various processes. Once mined it is finely crushed for refining and recovery of ***alumina***, the base from which aluminium is made. The separation of the alumina from bauxite is a complicated process. This involves the use of a caustic soda solution heated under pressure to dissolve the alumina. Impurities are filtered out of the solution in the form of a mud-like material. The filtered solution is cooled and alumina is recovered by precipitation in a hydrate form. The resulting fine crystals are heated in long, revolving kilns to drive off the water of crystallisation.

The product is alumina in a white powder form. Aluminium metal is produced in large steel shells lined with carbon. These shells are known in the industry as ***pots*** and are arranged in long rows called ***pot lines***. Alumina is mixed with cryolite in the pots and large quantities of electricity are introduced to reduce the alumina into aluminium and oxygen. The process is continuous and molten metal is siphoned from the pots at regular intervals.

HOW ALUMINIUM IS TURNED INTO PRODUCTS

Once aluminium is produced it can be made into forms ready for manufacturers to convert into finished products. Industries requiring aluminium may specify from a range of alloys and their metal can be supplied in the form of ingots, extruded shapes, rod, tube, bar, sheet, plate and foil.

One of the best known forms of aluminium is sheet, which has many applications. The process starts with special alloy ingots. These are pre-heated to rolling temperature, then fed into a hot mill with the ingot being passed back and forth through the mill. The process results in plate, with thinner sheet being formed by further passes between rolls under extreme pressure. It becomes longer and thinner in the direction in which the plate or sheet is moving.

Perhaps the most remarkable of all sheet forms is foil, which is aluminium metal that has been rolled very thin so that it is pliable yet strong. Aluminium foil is widely used in kitchens and food packaging.

Aluminium extrusions have been used commercially for many years. The process involves a heated billet being pushed under extreme pressure through a die, the metal taking the shape of the holes in the die. Extrusions are mostly used to reduce the weight or number of parts in an assembly, or to achieve shapes that cannot be produced satisfactorily any other way.

THE USES OF ALUMINIUM

The characteristics of aluminium combine to make aluminium a most versatile material for a host of applications.

Window frames	Kitchen utensils	Vehicle engines	Tanks and piping
Door frames	Kitchen whiteware	Aircraft engines	Tubing and ducting
Joinery fittings	Laundry whiteware	Outboard motors	Reflector panelling
Roofing	Air conditioners	Motor mowers	Armature windings
Gutters	Tubular furniture	Airframes and skins	Wiring and cabling
Spouting	Electrical fittings	Vehicle trim	Treadplate
Wall cladding	Light fittings	Truck canopies	Wall framing
Foil insulation	Household appliances	Coach bodies	Office furniture
Roller doors	Food containers	Railcar bodies	Office equipment
Insect screens	Wrapping foil	Caravan bodies	Decorative ceilings
Venetian blinds	Cans and closures	Boat hulls and trim	High-rise mullions
Awnings, louvres	Computer parts	Transport containers	Sign frames, panels
Fencing	Sports equipment	TV receiver aerials	Partition systems
Balustrading	Leisure furniture	Flag Poles	Security grills

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Aluminium is one of the easiest materials to keep in good condition. It has a high natural resistance to corrosive conditions normally encountered during shipment and storage, and a little care will maintain its original appearance for a long time. Generally, guard against conditions that may cause surface abrasion or water stains. Suppliers make every effort to pack aluminium so that traffic marks or rub marks do not occur during shipment and so that it remains dry. All incoming shipments should be inspected promptly however, since suppliers generally have a time limit in which damage claims will be honoured.

TRAFFIC MARKS

Appearance: Scratches, surface abrasions, or a condition resembling cinders embedded in the metal. They result from mechanical abrasion and subsequent oxidation of the abraded areas, which is unsightly and has a detrimental effect on finishing operations.

Prevention and treatment: Suppliers usually pack metal so that it is not subjected to undue flexing or twisting and so that the units within a package do not rub against each other. Products subject to such damage are usually packed on skids or in timber boxes. Paper or cardboard may be used for cushioning thin or soft metal. Steel strapping is used to reinforce skids and boxes and to bind wrapped bundles. In storage, do not place aluminium with other metals. Use wood-faced shelving, racks and bins. Store away from caustics, nitrates, phosphates and acids. Use older stock first.

WATER STAINS

Appearance: Non-metallic, usually whitish, perhaps iridescent depending upon the alloy or degree of oxidation. Caused by the entrapment of moisture between adjacent surfaces of closely-packed material. Purer aluminium alloys are more resistant to water stain, usually more pronounced on alloys with high magnesium content. It is a superficial condition and the mechanical properties of the metal are not affected.

Prevention and treatment: If a shipment of metal arrives in wet condition, dry thoroughly before storing – evaporate moisture in air or dry air currents. When the moisture is removed shortly after the metal becomes wet, no stain will result. If stain has occurred, and the moisture causing it is not removed, the stain will develop further. Once dry, store the metal away from such obvious water sources as steam and water pipes, and reasonably away from open doors and windows.

Condensation is perhaps the most troublesome cause of water stains. In severe cases, it may also cause surface deterioration which may only become apparent when the metal is later etched and anodised. Prevent it by avoiding conditions where airborne moisture increases enough to carry the dew point above the metal temperature. Ensure that a sudden fall in temperature or increase in humidity does not occur in storage areas. Aluminium packed in original boxes should never be left in the open, because greater variations in outdoor temperature and humidity increase the possibility of condensation. Even if the package is wrapped in water-resistant paper, the impossibility of obtaining a perfect seal makes outdoor storage highly undesirable. So-called waterproof packages are designed solely for the protection of the metal during shipment and are not meant to withstand extended exposure to the weather.

Try to store cold metal in a dry storage area until its temperature has increased substantially before bringing it into a heated areas with higher humidity. Place new shipments in temporary storage where their temperature is raised slowly to that of the permanent storage room.

Where water stains have occurred, the degree of staining may be judged fairly accurately by the relative roughness of the stained area. If the surface is fairly smooth overall, the stain is superficial, and its appearance can be improved by mechanical or chemical treatments. Scratch-brushing or the use of steel wool and oil is effective in removing water stain. If a chemical dip without undue etching is preferred, an aqueous solution containing 10% by volume of sulphuric acid and 3% by weight of chromic acid at about 10°C may be used.

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ANODISING

The capacity of aluminium to respond to anodising, the most familiar of finishes, makes aluminium a most important metal in a fundamental way. The fact that aluminium can accept this attractive, durable and tough-wearing finish makes it possible to exploit its strength and lightness in a large number of applications, particularly in building construction.

Anodising is essentially an induced thickening of the natural protective oxide film on the metal's surface. It converts the surface of the parent metal, not a 'coating' in the usual sense. Unless severely deformed or stressed by excessive thermal movement, the anodic film will not chip, peel or crack. With conventional sulphuric acid anodising, anodised alloys produce a clear, hard and extremely corrosion-resistant film capable of being coloured. The functional and decorative potential this offers is widely used in applications ranging from building components to domestic cookware. Varying the conventional electrolyte composition, combined with process variables, produces anodic finishes with distinctive functional properties. Thus, very hard anodic films are developed for abrasion-resistant surfaces on gears, pistons, bearings and similar components.

Anodic films can be coloured in many ways. Conventional sulphuric acid films are microscopically porous and organic or inorganic dyes and pigments may be sealed in the film. Very durable coloured films used for exposed environments are usually produced integrally and permanently with the evolution of the anodic layer. Whether anodising is clear or coloured, it is important that designers understand its essential nature. Inevitably, the anodic film reproduces the physical nature of the original metal surface. This means that any mechanical finish applied previously to the surface will be evident, and the characteristics of different metal forms will persist. Thus, extruded and sheet metal, if colour-anodised to the same specification and placed together, will show an apparent colour difference due solely to minor but characteristic differences in surface profile peculiar to their individual mill processes.

The basic anodising process consists of a suitable chemical pre-cleaning dip, followed by etching in a caustic soda base solution, anodising electrolytically in sulphuric acid or other solution and finally sealing to reduce porosity. The finished anodised surface is in fact an inert, and therefore protective, film of aluminium oxide. The thickness of the aluminium-oxide anodising is varied by processing time to suit its application. The following guide quotes minimum figures, film thickness being checked on a batch basis by electronic means.

12 micron: Common Standard for internal and outdoor applications where cleaning is frequently required.
15 micron: General architectural requirement.
25 micron: Heavy duty external architectural or marine applications where little deterioration can be tolerated.

Colour finishes are checked for accuracy against standards, and tested for leaching by immersion in a boiling 0.1% borax solution.

THERMOSET POWDERCOATING

The application of thermoset powdercoatings on aluminium has increased dramatically. The wide variety of powder types now available in the process allow the engineer or architect to specify powdercoating for a wide variety of applications with confidence. Polyester thermosetting powder is the most commonly specified product because of its excellent resistance to natural weathering, a high degree of chalk resistance and colour fastness, high levels of mechanical properties and good chemical and corrosion resistance.

Standard colour ranges provide ample choice but colour-matching to specific colours can be achieved on request. After a cleaning process, the surface is chromate-converted to enhance corrosion resistance and optimise adhesion of the thermosetting.

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CLEANING ALUMINIUM SURFACES

Aluminium is a proven construction material for buildings, vehicles, appliances and products, both as a framing and cladding material. In the building industry, it is by far the most common material used for window and door joinery, curtain walls and shop fronts. It is widely used in every aspect of the transport, leisure, boating and household appliance industries. Its selection is based on many criteria – one being its ease of fabrication to provide visual appeal and easy maintenance.

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 eg: 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.

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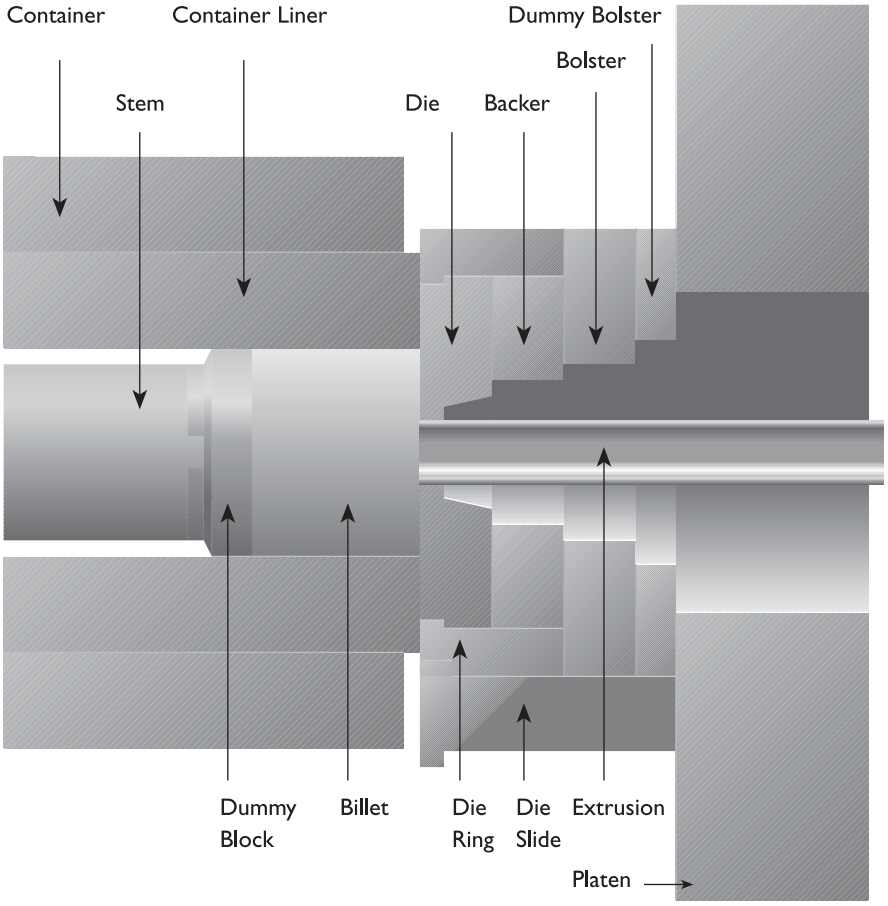
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Profiles in one process



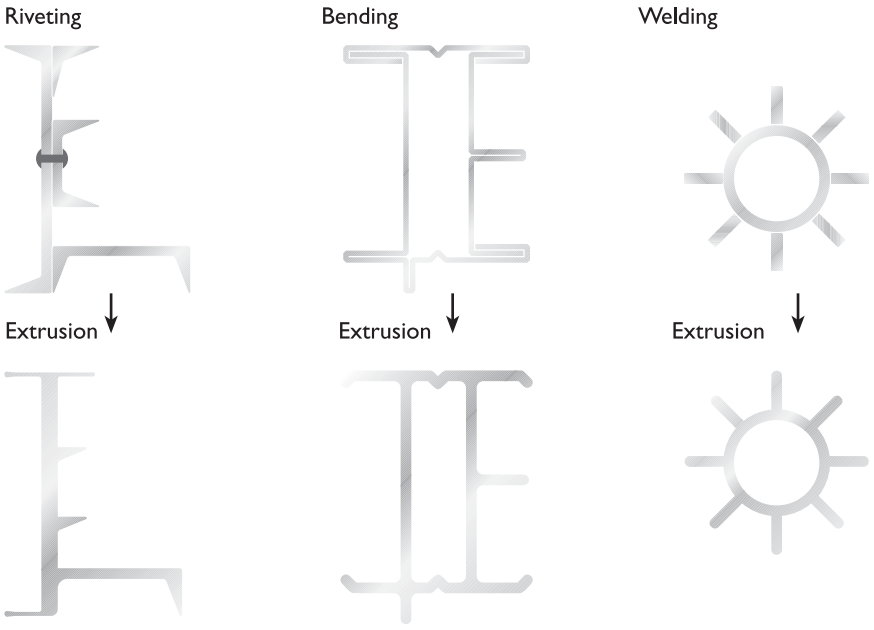
In the extrusion of aluminium, long billets are cut to manageable lengths, heated to 400° to 500°C then fed into a container heater of the extruder. The billet is then pushed through the die by hydraulic force to form the extruded shape.

In this process, the quality of the extruded profile is influenced by the billet temperature, die temperature, extrusion speed and other technical conditions, and rigid quality control constraints are required throughout.

The extruded profile is tensed with a pulling mechanism and cooled in transit from the runout table. Flexure, torsion and other irregularities generated in extrusion and cooling are removed in this process.

The length of the extrusion at this stage is about 20 to 40 metres. It is then cut into shorter lengths as required.

Typical preliminary processes for more complex extrusions



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CONVERSION BASICS

Linear

1 inch	25.4 mm
1 foot	0.3048 m
1 mm	0.0394 inches
1 m	3.28 feet

Area

1 sq inch	645 sq mm
1 sq foot	0.0929 sq m
1 sq mm	0.00155 sq in
1 sq m	10.84 sq ft

Volume

1 cubic inch	16387 cu mm
1 cu mm	0.000061 cu in

Force

1 lb per sq ft	4.45 Newtons
1 Newton	0.225 lbs per ft

Stress

1 lb per sq in	0.00689 MPa
1 MPa	145 lbs per sq in

inches	mm	inches	mm	inches	mm	inches	mm
1/64	0.3969	1 1/32	26.1938	3 1/32	76.9938	5 1/32	127.794
1/32	0.7938	1 1/16	26.9875	3 1/16	77.7875	5 1/16	128.588
3/64	1.1906	1 3/32	27.7813	3 3/32	78.5813	5 3/32	129.381
1/16	1.5875	1 1/8	28.5750	3 1/8	79.3750	5 1/8	130.175
5/64	1.9844	1 5/32	29.3688	3 5/32	80.1688	5 5/32	130.969
3/32	2.3813	1 3/16	30.1625	3 3/16	80.9625	5 3/16	131.762
7/64	2.7781	1 7/32	30.9563	3 7/32	81.7563	5 7/32	132.556
1/8	3.1750	1 1/4	31.7500	3 1/4	82.5500	5 1/4	133.350
9/64	3.5719	1 9/32	32.5438	3 9/32	83.3438	5 9/32	134.144
5/32	3.9688	1 5/16	33.3375	3 5/16	84.1375	5 5/16	134.938
11/64	4.3656	1 11/32	34.1313	3 11/32	84.9313	5 11/32	135.731
3/16	4.7625	1 3/8	34.9250	3 3/8	85.7250	5 3/8	136.525
13/64	5.1594	1 13/32	35.7188	3 13/32	86.5188	5 13/32	137.319
7/32	5.5563	1 7/16	36.5125	3 7/16	87.3125	5 7/16	138.112
15/64	5.9531	1 15/32	37.3063	3 15/32	88.1063	5 15/32	138.906
1/4	6.3500	1 1/2	38.1000	3 1/2	88.9000	5 1/2	139.700
17/64	6.7469	1 17/32	38.8938	3 17/32	89.6938	5 17/32	140.494
9/32	7.1438	1 9/16	39.6875	3 9/16	90.4875	5 9/16	141.288
19/64	7.5406	1 19/3	40.4813	3 19/32	91.2813	5 19/32	142.081
5/16	7.9375	1 5/8	41.2750	3 5/8	92.0750	5 5/8	142.875
21/64	8.3344	1 21/32	42.0688	3 21/32	92.8688	5 21/32	143.669
11/32	8.7313	1 11/16	42.8625	3 11/16	93.6625	5 11/16	144.462
23/64	9.1281	1 23/32	43.6563	3 23/32	94.4563	5 23/32	145.256
3/8	9.5250	1 3/4	44.4500	3 3/4	95.2500	5 3/4	146.050
25/64	9.9219	1 25/32	45.2438	3 25/32	96.0438	5 25/32	146.844
13/32	10.3188	1 13/16	46.0375	3 13/16	96.8375	5 13/16	147.638
27/64	10.7156	1 27/32	46.8313	3 27/32	97.6313	5 27/32	148.431
7/16	11.1125	1 7/8	47.6250	3 7/8	98.4250	5 7/8	149.225
29/64	11.5094	1 29/32	48.4188	3 29/32	99.2188	5 29/32	150.019
15/32	11.9063	1 15/16	49.2125	3 15/16	100.0120	5 15/16	150.812
31/64	12.3031	1 31/32	50.0063	3 31/32	100.8060	5 31/32	151.606
1/2	12.7000	2 inches	50.8000	4 inches	101.6000	6 inches	152.400
33/64	13.0969	2 1/32	51.5938	4 1/32	102.3940	6 1/16	153.988
17/32	13.4938	2 1/16	52.3875	4 1/16	103.1880	6 1/8	155.575
35/64	13.8906	2 3/32	53.1813	4 3/32	103.9810	6 3/16	157.162
9/16	14.2875	2 1/8	53.9750	4 1/8	104.7750	6 1/4	158.750
37/64	14.6844	2 5/32	54.7688	4 5/32	105.5690	6 5/16	160.338
19/32	15.0813	2 3/16	55.5625	4 3/16	106.3620	6 3/8	161.925
39/64	15.4781	2 7/32	56.3563	4 7/32	107.1560	6 7/16	163.512
5/8	15.8750	2 1/4	57.1500	4 1/4	107.9500	6 1/2	165.100
41/64	16.2719	2 9/32	57.9438	4 9/32	108.7440	6 9/16	166.688
21/32	16.6688	2 5/16	58.7375	4 5/16	109.5380	6 5/8	168.275
43/64	17.0656	2 11/32	59.5313	4 11/32	110.3310	6 11/16	169.862
11/16	17.4625	2 3/8	60.3250	4 3/8	111.1250	6 3/4	171.450
45/64	17.8594	2 13/32	61.1188	4 13/32	111.9190	6 13/16	173.038
23/32	18.2563	2 7/16	61.9125	4 7/16	112.7120	6 7/8	174.625
47/64	18.6531	2 15/32	62.7063	4 15/32	113.5060	6 15/16	176.212
3/4	19.0500	2 1/2	63.5000	4 1/2	114.3000	7 inches	177.800
49/64	19.4469	2 17/32	64.2938	4 17/32	115.0940	7 1/16	179.388
25/32	19.8438	2 9/16	65.0875	4 9/16	115.8880	7 1/8	180.975
51/64	20.2406	2 19/32	65.8813	4 19/32	116.6810	7 3/16	182.562
13/16	20.6375	2 5/8	66.6750	4 5/8	117.4750	7 1/4	184.150
53/64	21.0344	2 21/32	67.4688	4 21/32	118.2690	7 5/16	185.738
27/32	21.4313	2 11/16	68.2625	4 11/16	119.0620	7 3/8	187.325
55/64	21.8281	2 23/32	69.0563	4 23/32	119.8560	7 7/16	188.912
7/8	22.2250	2 3/4	69.8500	4 3/4	120.6500	7 1/2	190.500
57/64	22.6219	2 25/32	70.6438	4 25/32	121.4440	7 9/16	192.088
29/32	23.0188	2 13/16	71.4375	4 13/16	122.2380	7 5/8	193.675
59/64	23.4156	2 27/32	72.2313	4 27/32	123.0310	7 11/16	195.262
15/16	23.8125	2 7/8	73.0250	4 7/8	123.8250	7 3/4	196.850
61/64	24.2094	2 29/32	73.8188	4 29/32	124.6190	7 13/16	198.438
31/32	24.6063	2 15/16	74.6125	4 15/16	125.4120	7 7/8	200.025
63/64	25.0031	2 31/32	75.4063	4 31/32	126.2060	7 15/16	201.612
1 inch	25.4000	3 inches	76.2000	5 inches	127.0000	8 inches	203.200

DIAGRAMS ACTUAL SIZE UNLESS OTHERWISE INDICATED.
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OAD = OVERALL DIMENSIONS
P = EXT PERIPHERY

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NOTE: Not all products are available ex-stock, check with your local branch for advice on availability.

inches	mm
8 1/16	204.788
8 1/8	206.375
8 3/16	207.962
8 1/4	209.550
8 5/16	211.138
8 3/8	212.725
8 7/16	214.312
8 1/2	215.900
8 9/16	217.488
8 5/8	219.075
8 11/16	220.662
8 3/4	222.250
8 13/16	223.838
8 7/8	225.425
8 15/16	227.012
9 inches	228.600
9 1/16	230.188
9 1/8	231.775
9 3/16	233.362
9 1/4	234.950
9 5/16	236.538
9 3/8	238.125
9 7/16	239.712
9 1/2	241.300
9 9/16	242.888
9 5/8	244.475
9 11/16	246.062
9 3/4	247.650
9 13/16	249.238
9 7/8	250.825
9 15/16	252.412
10 inches	254.000
10 1/16	255.588
10 1/8	257.175
10 3/16	258.762
10 1/4	260.350
10 5/16	261.938
10 3/8	263.525
10 7/16	265.112
10 1/2	266.700
10 9/16	268.288
10 5/8	269.875
10 11/16	271.462
10 3/4	273.050
10 13/16	274.638
10 7/8	276.225
10 15/16	277.812
11 inches	279.400
11 1/16	280.988
11 1/8	282.575
11 3/16	284.162
11 1/4	285.750
11 5/16	287.338
11 3/8	288.925
11 7/16	290.512
11 1/2	292.100
11 9/16	293.688
11 5/8	295.275
11 11/16	296.862
11 3/4	298.450
11 13/16	300.038
11 7/8	301.625
11 15/16	303.212
12 inches	304.800

ft	ins	mm
1	1	330.200
1	2	355.600
1	3	381.000
1	4	406.400
1	5	431.800
1	6	457.200
1	7	482.600
1	8	508.000
1	9	533.400
1	10	558.800
1	11	584.200
2	0	609.600
2	1	635.000
2	2	660.400
2	3	685.800
2	4	711.200
2	5	736.600
2	6	762.000
2	7	787.400
2	8	812.800
2	9	838.200
2	10	863.600
2	11	889.000
3	0	914.400
3	1	939.800
3	2	965.200
3	3	990.600
3	4	1016.00
3	5	1041.40
3	6	1066.80
3	7	1092.20
3	8	1117.60
3	9	1143.00
3	10	1168.40
3	11	1193.80
4	0	1219.20
4	1	1244.60
4	2	1270.00
4	3	1295.40
4	4	1320.80
4	5	1346.20
4	6	1371.60
4	7	1397.00
4	8	1422.40
4	9	1447.80
4	10	1473.20
4	11	1498.60
5	0	1524.00
5	1	1549.40
5	2	1574.80
5	3	1600.20
5	4	1625.60
5	5	1651.00
5	6	1676.40
5	7	1701.80
5	8	1727.20
5	9	1752.60
5	10	1778.00
5	11	1803.40
6	0	1828.80
6	1	1854.20
6	2	1879.60
6	3	1905.00
6	4	1930.40

ft	ins	mm
6	5	1955.80
6	6	1981.20
6	7	2006.60
6	8	2032.00
6	9	2057.40
6	10	2082.80
6	11	2108.20
7	0	2133.60
7	1	2159.00
7	2	2184.40
7	3	2209.80
7	4	2235.20
7	5	2260.60
7	6	2286.00
7	7	2311.40
7	8	2336.80
7	9	2362.20
7	10	2387.60
7	11	2413.00
8	0	2438.40
8	1	2463.80
8	2	2489.20
8	3	2514.60
8	4	2540.00
8	5	2565.40
8	6	2590.80
8	7	2616.20
8	8	2641.60
8	9	2667.00
8	10	2692.40
8	11	2717.80
9	0	2743.20
9	1	2768.60
9	2	2794.00
9	3	2819.40
9	4	2844.80
9	5	2870.20
9	6	2895.60
9	7	2921.00
9	8	2946.40
9	9	2971.80
9	10	2997.20
9	11	3022.60
10	0	3048.00
11	0	3352.80
12	0	3657.60
13	0	3962.40
14	0	4267.20
15	0	4572.00
16	0	4876.80
17	0	5181.60
18	0	5486.40
19	0	5791.20
20	0	6096.00
21	0	6400.80
22	0	6705.60
23	0	7010.40
24	0	7315.20
25	0	7620.00
26	0	7924.80
27	0	8229.60
28	0	8534.40
29	0	8839.20
30	0	9144.00

feet	mm
31	9448.80
32	9753.60
33	10,058.4
34	10,363.2
35	10,668.0
36	10,972.8
37	11,277.6
38	11,582.4
39	11,887.2
40	12,192.0
41	12,496.8
42	12,801.6
43	13,106.4
44	13,411.2
45	13,716.0
46	14,020.8
47	14,325.6
48	14,630.4
49	14,935.2
50	15,420.0
51	15,544.8
52	15,849.6
53	16,154.4
54	16,459.2
55	16,764.0
56	17,068.8
57	17,373.6
58	17,678.4
59	17,983.2
60	18,288.0
61	18,592.8
62	18,897.6
63	19,202.4
64	19,507.2
65	19,812.0
66	20,116.8
67	20,421.6
68	20,726.4
69	21,031.2
70	21,336.0
71	21,640.8
72	21,945.6
73	22,250.4
74	22,555.2
75	22,860.0
76	23,164.8
77	23,469.6
78	23,774.4
79	24,079.2
80	24,384.0
81	24,688.8
82	24,993.6
83	25,298.4
84	25,603.2
85	25,908.0
86	26,212.8
87	26,517.6
88	26,822.4
89	27,127.2
90	27,432.0
91	27,736.8
92	28,041.6
93	28,346.4
94	28,651.2

USEFUL FORMULAE

Nominal mass (kg/m²) of Aluminium Sheet and Plate:

Thickness mm	Nominal mass kg/m²
0.5	1.335
0.6	1.626
0.7	1.897
0.8	2.168
0.9	2.439
1.0	2.710
1.2	3.252
1.6	4.336
2.0	5.420
2.5	6.775
3.0	8.130
4.0	10.840
5.0	13.550
6.0	16.260
8.0	21.680
10.0	27.100
12.0	32.520
16.0	43.360
20.0	54.200
25.0	67.750

Nominal mass (kg/m²) of extruded aluminium:

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

Factor
(Difficulty of Extrusion Factor)

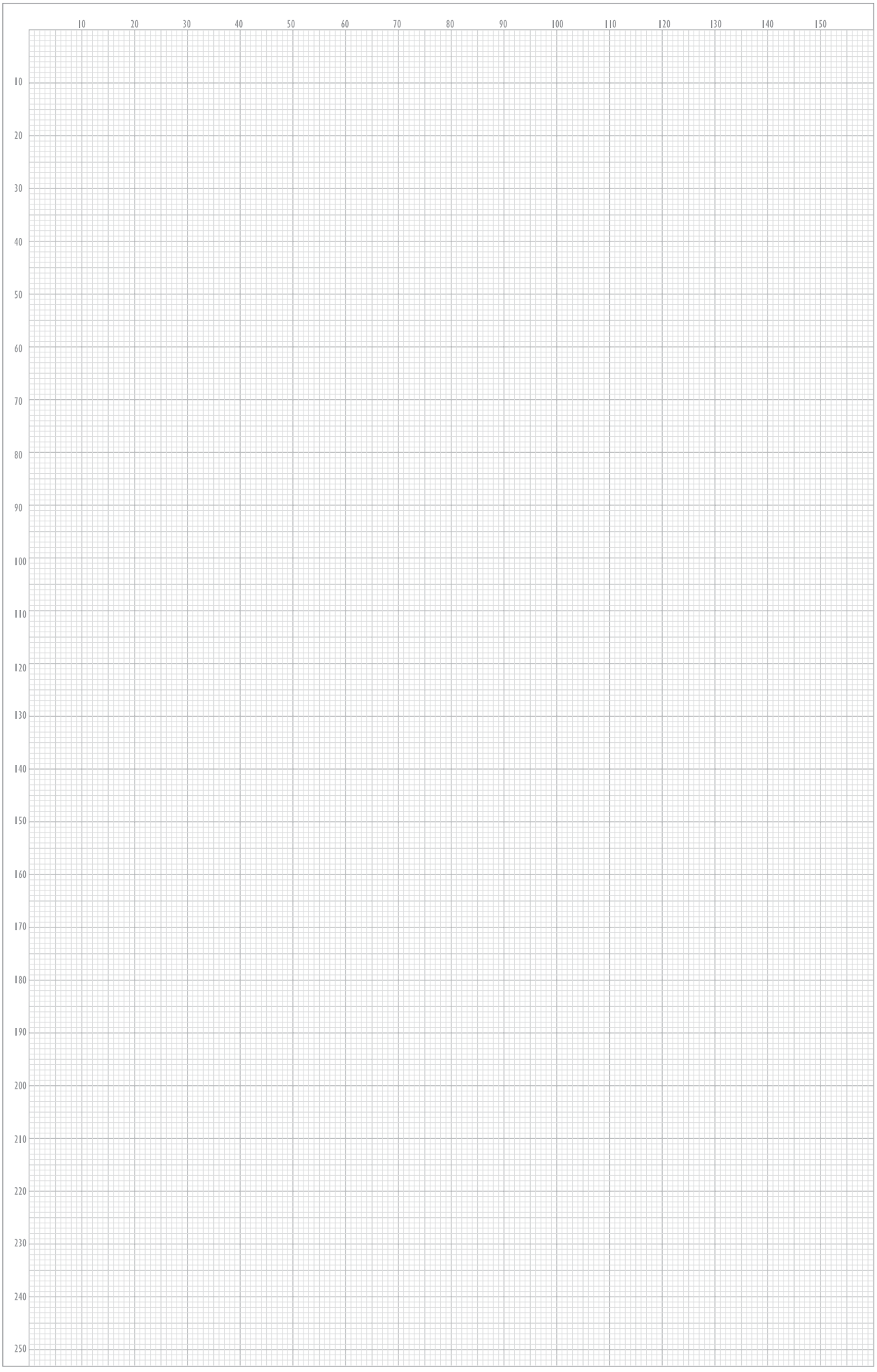
Calculate the perimeter of the section (for hollow sections, both outside and inside perimeters) and divide the result by the nominal mass (kg/m) of the section.

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P = EXT PERIPHERY

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PLANNING GRID AND NOTES







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- **DESIGNER INTERNAL PARTITIONING**
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Map key:
- ○ SALES & DISTRIBUTION
- \+ MANUFACTURING
- * EXTRUSION PLANT

Representative operations throughout the South Pacific

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