

CUSTOMER TECHNICAL MEMO # 82

Subject: **Awning & Casement Windows and Top Hung Awning Technical Manual Amendments**

Date: 3/11/09

From: Product Development

Please be advised there have been changes to the Awning & Casement Windows and Top Hung Awning Technical Manuals. Refer below for list of changes.

Awning & Casement Windows

- Page 1.0 – Technical Manual Release Notes Updated.
- Page 3.1.3 – AS1322 35mm Sash Adaptor for Hunter Front Double Glazed and AS344 50mm Sash Adaptor for Hunter Front Single Glazed extrusions added.
- Page 3.1.4 – Adaptor Selection Chart updated

Top Hung Awning Windows

- Page 1.0 – Technical Manual Release Notes Updated.
- Page 3.1.6 – AS1322 35mm Sash Adaptor for Hunter Front Double Glazed extrusion added and Adaptor Selection Chart updated.

All the above revised pages have been included with this Technical Memo. The format has been set for double sided printing so you will be able to easily replace the pages in your manuals. You will need to ensure your printer is set to double-sided printing.

If you have any questions please do not hesitate to contact your local ALSPEC Area Manager or sales office.

ALSPEC ALUMINIUM SYSTEMS

TECHNICAL MANUAL

AWNING CASEMENT WINDOWS

Section 1.0

TECHNICAL MANUAL RELEASE NOTES

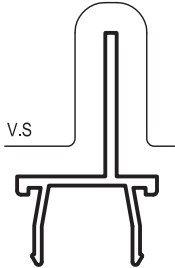
This page is intended to record all changes to the **AWNING CASEMENT WINDOWS** technical manual pages. It is therefore critical that all changes are recorded in the below AMENDMENTS box prior to release to our customer.

Changes or additions to this manual will be itemised with a brief description and date when the amendments were made.

It is important that a copy of this page be issued with the update and inserted as the first page in the customers technical manual.

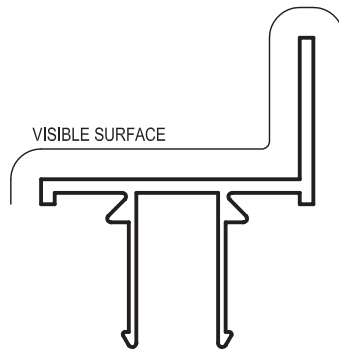
DATE	AMENDMENT DESCRIPTION	REMOVE PAGE	INSERT NEW PAGE
01 / 02 / 2009	<i>Technical manual initial release</i>	~	~
01 / 04 / 2009	<i>Technical manual release notes</i>	1.0	1.0
01 / 04 / 2009	<i>Extrusions</i>	3.1.3	3.1.3
01 / 04 / 2009	<i>Extrusions</i>	3.1.4	3.1.4
01 / 07 / 2009	<i>Technical manual release amended</i>	1.0	1.0
01 / 07 / 2009	<i>Restrictor Hardware amended</i>	3.2.4	3.2.4
01 / 07 / 2009	<i>Bristol Heavy Duty Stays added</i>	3.2.5	3.2.5
01 / 07 / 2009	<i>Interlock Heavy Duty Stays & Restrictor added</i>	3.2.6	3.2.6
01 / 10 / 2009	<i>Technical manual release notes updated</i>	1.0	1.0
01 / 10 / 2009	<i>Awning adaptor extrusions added</i>	3.1.3 & 3.1.4	3.1.3 & 3.1.4

EXTRUSIONS



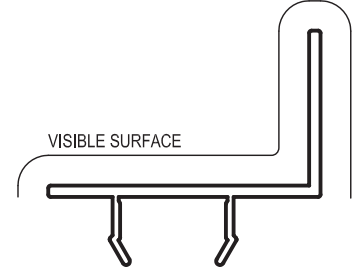
AS581
35mm SASH
ADAPTOR

Mass. 0.206 Kg/m
Anod. Per. 122
Paint Per. 100



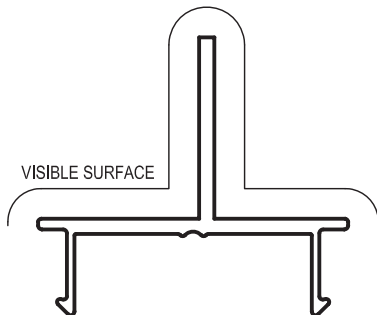
ASW2
35mm AWNING
ADAPTOR

Mass. 0.428 Kg/m
Anod. Per. 208
Paint Per. 100



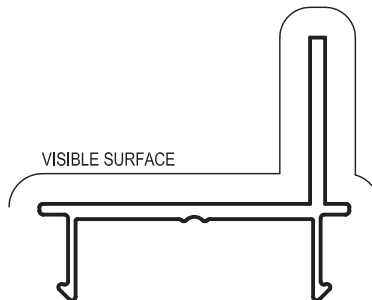
AS327
35mm AWNING
ADAPTOR

Mass. 0.279 Kg/m
Anod. Per. 153
Paint Per. 100



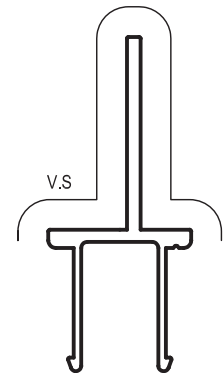
SYN-22
DOUBLE GLAZED 50mm
AWNING ADAPTOR

Mass. 0.404 Kg/m
Anod. Per. 178
Paint Per. 100



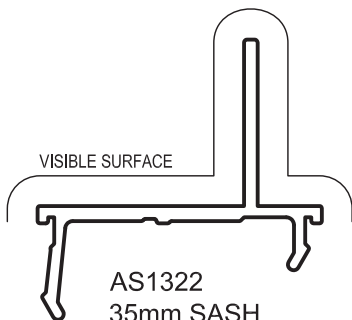
SYN-23
DOUBLE GLAZED 35mm
AWNING ADAPTOR

Mass. 0.395 Kg/m
Anod. Per. 175
Paint Per. 100



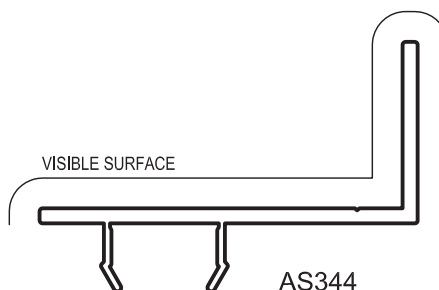
AS851
50mm AWNING
ADAPTOR

Mass. 0.316 Kg/m
Anod. Per. 160
Paint Per. 100



AS1322
35mm SASH
ADAPTOR

Mass. 0.387 Kg/m
Anod. Per. 165
Paint Per. 100



AS344
50mm SASH
ADAPTOR

Mass. 0.440 Kg/m
Anod. Per. 185
Paint Per. 100

EXTRUSIONS - SASH ADAPTOR SELECTION CHART

AWNING SASH ADAPTOR SELECTION CHART

SECTION	DESCRIPTION
AS581	DERWENT 76mm CENTRE GLAZED 35mm SASH
ASW2	McARTHUR 101.6mm CENTRE GLAZED 35mm SASH
SYN-22	ECOFRAME 400 CENTRE DOUBLE GLAZED 50mm SASH
SYN-23	ECOFRAME 400 CENTRE DOUBLE GLAZED 35mm SASH
SYN-23	ECOFRAME 600 CENTRE DOUBLE GLAZED WITH ASW57, ASW58 & ASW59 SASH ONLY
AS327	HUNTER 100 & 150mm FRONT SINGLE GLAZED 35mm SASH
AS344	HUNTER 100 & 150mm FRONT SINGLE GLAZED 50mm SASH
AS321	HUNTER 100 & 150mm FRONT SINGLE GLAZED 50mm SASH
AS1321	HUNTER 100 & 150mm FRONT DOUBLE GLAZED 50mm SASH
AS1322	HUNTER 100 & 150mm FRONT DOUBLE GLAZED 35mm SASH
AS851	McARTHUR 101.6mm CENTRE GLAZED 50mm SASH

ALSPEC ALUMINIUM SYSTEMS

TECHNICAL MANUAL

TOP HUNG AWNINGS

Section 1.0

TECHNICAL MANUAL RELEASE NOTES

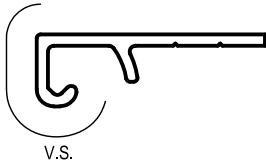
This page is intended to record all changes to the **TOP HUNG AWNINGS** technical manual pages. It is therefore critical that all changes are recorded in the below AMENDMENTS box prior to release to our customer.

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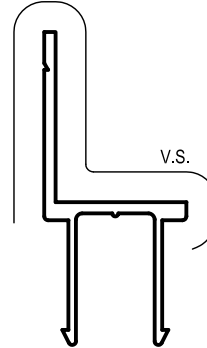
DATE	AMENDMENT DESCRIPTION	REMOVE PAGE	INSERT NEW PAGE
<i>01 / 02 / 2009</i>	<i>Technical manual initial release</i>	~	~
<i>01 / 04 / 2009</i>	<i>Technical manual release notes</i>	1.0	1.0
<i>01 / 04 / 2009</i>	<i>Extrusion deleted, table amended</i>	3.1.6	3.1.6
<i>01 / 11 / 2009</i>	<i>Technical manual release notes updated</i>	1.0	1.0
<i>01 / 11 / 2009</i>	<i>Awning adaptor added & table amended</i>	3.1.6	3.1.6

EXTRUSIONS



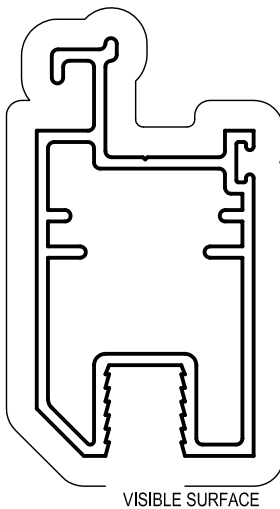
**443-C
HINGE**

Mass. 0.192 Kg/m
Anod. Per. 100
Paint Per. 100



**443-E
SASH STOP ADAPTOR**

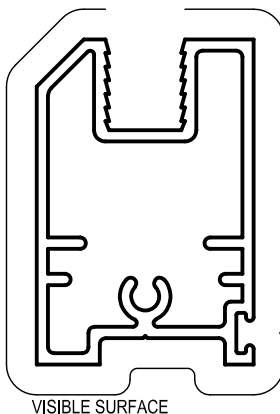
Mass. 0.280 Kg/m
Anod. Per. 156
Paint Per. 100



**443-B
HINGE SASH**

Mass. 0.837 Kg/m
Anod. Per. 225
Paint Per. 185

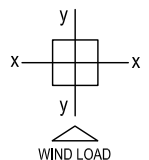
$I_{xx} = 80.87 \times 10^3 \text{ mm}^4$
 $I_{yy} = 33.74 \times 10^3 \text{ mm}^4$



**443-A
SASH**

Mass. 0.804 Kg/m
Anod. Per. 183
Paint Per. 143

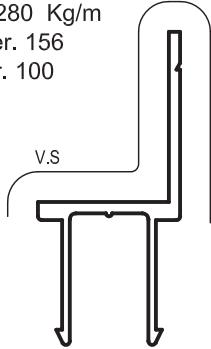
$I_{xx} = 58.79 \times 10^3 \text{ mm}^4$
 $I_{yy} = 31.86 \times 10^3 \text{ mm}^4$



EXTRUSIONS

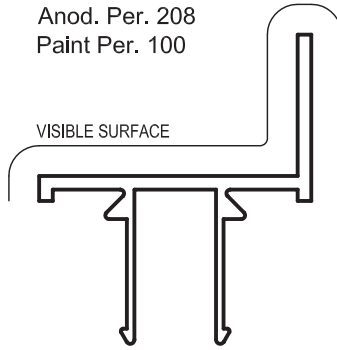
**443-E
SASH STOP
ADAPTOR**

Mass. 0.280 Kg/m
Anod. Per. 156
Paint Per. 100



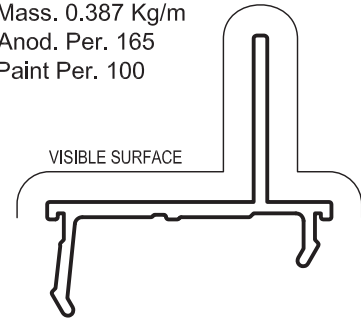
**ASW2
35mm AWNING
ADAPTOR**

Mass. 0.428 Kg/m
Anod. Per. 208
Paint Per. 100



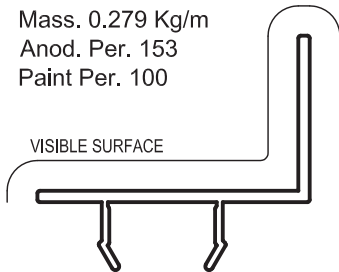
**AS1322
35mm AWNING
ADAPTOR**

Mass. 0.387 Kg/m
Anod. Per. 165
Paint Per. 100



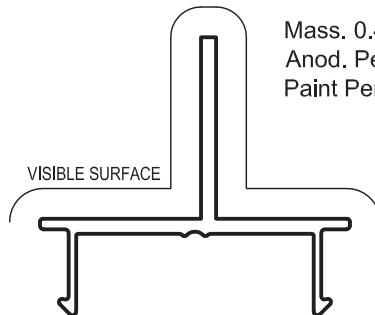
**AS327
35mm AWNING
ADAPTOR**

Mass. 0.279 Kg/m
Anod. Per. 153
Paint Per. 100



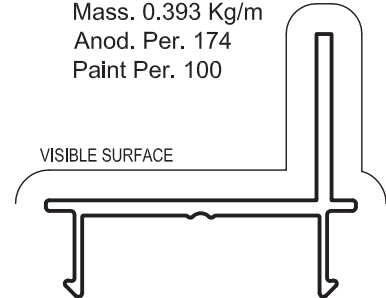
**SYN-22
50mm AWNING
ADAPTOR**

Mass. 0.404 Kg/m
Anod. Per. 178
Paint Per. 100



**SYN-23
35mm AWNING
ADAPTOR**

Mass. 0.393 Kg/m
Anod. Per. 174
Paint Per. 100



AWNING SASH ADAPTOR SELECTION CHART

SECTION	DESCRIPTION
443-E	McARTHUR 101.6 CENTRE GLAZED - 443 SASH
ASW2	McARTHUR 101.6mm CENTRE GLAZED
ASW2	McARTHUR 150mm CENTRE GLAZED WITH ASW57, ASW58 & ASW59 SASH ONLY
AS327	HUNTER 100 & 150mm FRONT SINGLE GLAZED - 443 SASH
AS1322	HUNTER 100 & 150mm FRONT DOUBLE GLAZED 35mm SASH
SYN-22	ECOFRAMEPLUS 400 DOUBLE CENTRE GLAZED
SYN-23	ECOFRAMEPLUS 400 DOUBLE CENTRE GLAZED
SYN-23	ECOFRAMEPLUS 600 DOUBLE CENTRE GLAZED WITH ASW57, ASW58 & ASW59 SASH ONLY