

Q-LON

PRODUCT CATALOGUE

SEALING & HARDWARE
SOLUTIONS ALL IN ONE

CONTENTS:

AS 2047 TESTING	4-5
WINDOW SASH BALANCES	6-13
SCHLEGEL HARDWARE	14-31
TRUTH HARDWARE	32-61
SEALING SYSTEMS	62-97



Balance
Systems

Schlegel
Hardware

Truth
Hardware

Giesse

ERA

Pile
Seals

Bristle
Brush

Foam
Seals

Four
Seasons



- Balance Systems
- Schlegel Hardware
- Truth Hardware
- Giesse
- ERA
- Pile Seals
- Bristle Brush
- Foam Seals
- Four seasons

AS 2047 TESTING:

NATA ISO 17025 ACCREDITED WINDOW & DOOR TEST LABORATORY

- Schlegel's NATA accredited testing to Australian Standard AS2047 and AS4420.1
- Tests up to 8000 Pa (416 Km/h wind speed)
- Comprehensive and informative test reports
- Please contact Tyman International for more information on testing rates and availability

Testing Capabilities

Maximum Sample Size	4.2 m wide x 3.2 m high
Maximum Pressure	8000 Pa (dependent on sample characteristics)
Standard Tests	As per AS2047 and AS4420.1
- Deflection - Operating Force - Air Infiltration - Water Penetration - Ultimate Strength	





Balance
Systems

Schlegel
Hardware

Truth
Hardware

Giesse

ERA

Pile
Seals

Bristle
Brush

Foam
Seals

Four
seasons

WINDOW SASH BALANCES:

ALUMINIUM, PVC AND TIMBER WINDOWS

Tyman International offer four high quality balance systems to cover a wide variety of single and double hung applications. They come in a range of tube or carrier sizes to suit different sash heights and weights. Sash weights range between 1.8 kg and 36.32 kg.

- BSI balances are a block and tackle system
- BUK balances are a hybrid spring and spiral system
- Constant Force is a coil spring balance system



10
Year
Guarantee

BSI SASH BALANCES	8
BSI CODES	9
BUK SASH BALANCES	10
BUK CODES	11
CONSTANT FORCE BALANCE SYSTEM	12
COIL COMBINATIONS	13

Tyman International also offer a range of accessories for double hung windows including sash locks and sash lifts. Please contact your local sales representative for details.



10
Year
Guarantee



Balance
Systems

Schlegel
Hardware

Truth
Hardware

Giesse

ERA

Pile
Seals

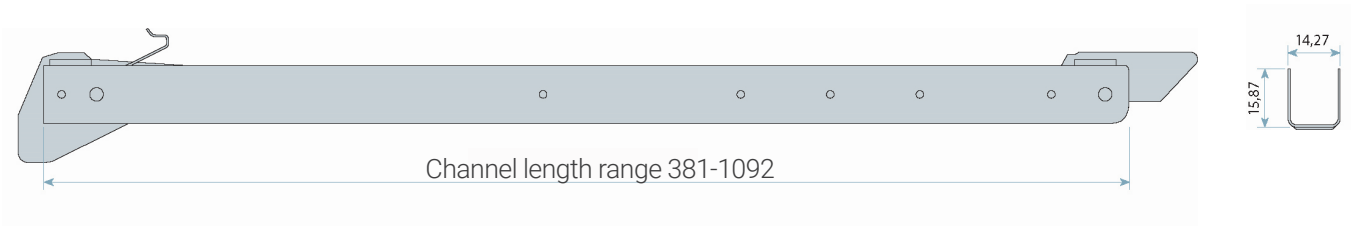
Bristle
Brush

Foam
Seals

Four
seasons

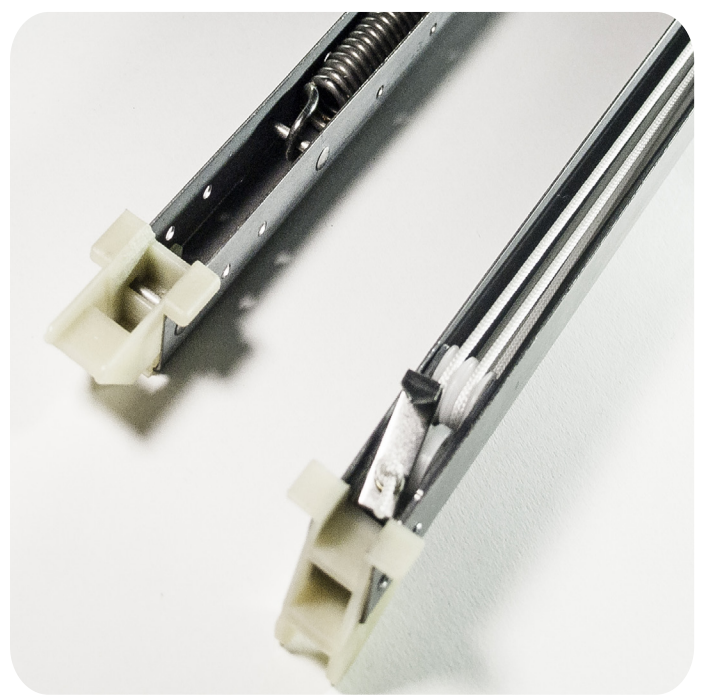
BSI SASH BALANCES:

SIDE LOAD SPRING BALANCE

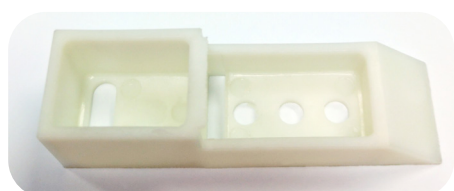


The AmesburyTruth side load balance offers an extended range of sash travel. BSI 100 Series balances are concealed once installed and both the sash and balance can be easily taken out, when cleaning or painting.

- Full travel up to 20.4 kg sash weight for A24 and above
- Enclosed pulleys and springs are concealed from view
- Standard channel lengths range from 381-1092 mm
- Ease of installation and use
- AAMA 902 certified
- Winged guides as standard
- Sold individually



Code	Accessories
102FM	Sash Cam
121	Take Out Clip
121B	Take Out Clip Black
P9736	Mount Plate



Sash Cam



Mount Plate



Take out Clip



BSI CODES:

Channel length (mm) 381	
Sash height (mm) 414-465	
Code	Weight (kg)
A1410	1.80-2.72
A1420	2.72-4.50
A1430	4.50-5.44
A1440	5.44-5.90
A1490	5.90-9.00
A14DS.26	9.00-11.80

Channel length (mm) 432	
Sash height (mm) 465-516	
Code	Weight (kg)
A1610	2.26-3.60
A1620	3.60-5.44
A1630	5.44-6.30
A1640	6.30-8.60
A1690	8.60-11.33
A16DS.30	11.33-13.60
A16DS.35	13.60-15.88

Channel length (mm) 483	
Sash height (mm) 516-566	
Code	Weight (kg)
A1810	2.26-3.60
A1820	3.60-5.44
A1830	5.44-6.30
A1840	6.30-7.70
A1890	7.70-11.33
A18DS.30	11.33-13.60
A18DS.35	13.60-15.88

Channel length (mm) 533	
Sash height (mm) 566-617	
Code	Weight (kg)
A2010	2.26-3.60
A2020	3.60-5.44
A2030	5.44-6.80
A2040	6.80-10.40
A2090	10.40-13.60
A20DS.35	13.60-15.88
A20DS.40	15.88-18.14

Channel length (mm) 584	
Sash height (mm) 617-668	
Code	Weight (kg)
A2210	2.26-3.60
A2220	3.60-5.44
A2230	5.44-8.60
A2240	8.60-10.40
A2290	10.40-13.60
A22DS.35	13.60-15.88
A22DS.40	15.88-18.14

Channel length (mm) 635	
Sash height (mm) 668-719	
Code	Weight (kg)
A2410	2.26-4.00
A2420	4.00-6.80
A2430	6.80-8.60
A2440	8.60-10.90
A2490	10.90-13.60
A24DS.35	13.60-15.88
A24DS.40	15.88-18.14
A24DS.45	18.14-20.40

Channel length (mm) 686	
Sash height (mm) 719-770	
Code	Weight (kg)
A2610	2.26-4.00
A2620	4.00-5.90
A2630	5.90-8.60
A2640	8.60-11.80
A2690	11.80-13.60
A26DS.35	13.60-15.88
A26DS.40	15.88-18.14
A26DS.45	18.14-20.40

Channel length (mm) 737	
Sash height (mm) 770-820	
Code	Weight (kg)
A2810	3.17-5.44
A2820	5.44-7.25
A2830	7.25-10.40
A2840	10.40-12.70
A2850	12.70-14.50
A2890	14.50-15.90
A28DS.40	15.90-18.14
A28DS.45	18.14-20.40

Channel length (mm) 787	
Sash height (mm) 820-871	
Code	Weight (kg)
A3010	3.17-5.44
A3020	5.44-7.25
A3030	7.25-10.40
A3040	10.40-12.70
A3050	12.70-14.50
A3090	14.50-15.90
A30DS.40	15.90-18.14
A30DS.45	18.14-20.40

Channel length (mm) 838	
Sash height (mm) 871-922	
Code	Weight (kg)
A3210	3.60-5.90
A3220	5.90-8.16
A3230	8.16-10.40
A3240	10.40-12.70
A3250	12.70-14.50
A3290	14.50-15.90
A32DS.40	15.90-18.14
A32DS.45	18.14-20.40

Channel length (mm) 889	
Sash height (mm) 922-973	
Code	Weight (kg)
A3410	3.60-5.90
A3420	5.90-8.16
A3430	8.16-10.40
A3440	10.40-13.60
A3450	13.60-15.40
A3490	15.40-15.90
A34DS.40	15.90-18.14
A34DS.45	18.14-20.40

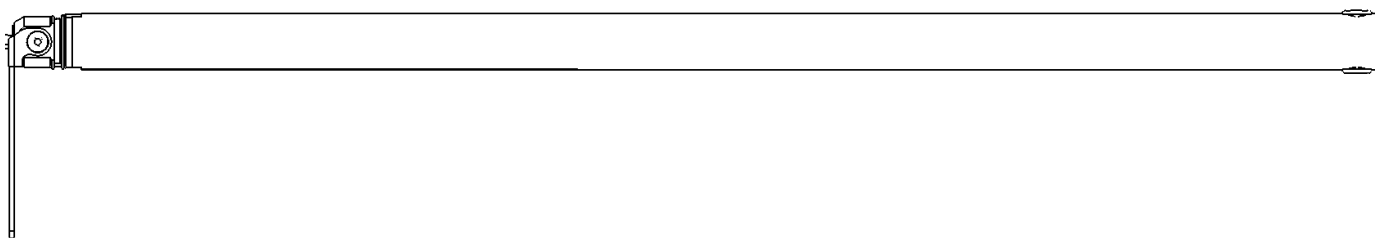
Channel length (mm) 940	
Sash height (mm) 973-1023	
Code	Weight (kg)
A3610	3.60-5.90
A3620	5.90-8.16
A3630	8.16-10.40
A3640	10.40-13.60
A3650	13.60-15.90
A36DS.40	15.90-18.14
A36DS.45	18.14-20.40

Channel length (mm) 990	
Sash height (mm) 1023-1074	
Code	Weight (kg)
A3810	4.08-6.30
A3820	6.30-8.60
A3830	8.60-10.90
A3840	10.90-13.60
A3850	13.60-15.90
A38DS.40	15.90-18.14
A38DS.45	18.14-20.40

Channel length (mm) 1041	
Sash height (mm) 1074-1125	
Code	Weight (kg)
A4010	4.08-6.30
A4020	6.30-8.60
A4030	8.60-10.40
A4040	10.40-13.60
A4050	13.60-15.90
A40DS.40	15.90-18.14
A40DS.45	18.14-20.40

Channel length (mm) 1092	
Sash height (mm) 1125-1179	
Code	Weight (kg)
A4220	6.30-8.60
A4230	8.60-10.90
A4240	10.90-13.60
A4250	13.60-15.90
A42DS.40	15.90-18.14
A42DS.45	18.14-20.40

BUK SASH BALANCES: ALUMINIUM, PVC AND TIMBER WINDOWS



Tyman International manufacture a highly functional self-contained hybrid spring and spiral balancing device capable of maintaining the equilibrium of a single or double hung window sash at any point in the travel run.

- Suitable for timber, PVC and aluminium windows
- Suitable for residential or commercial applications
- Weight range from 3.6 kg to 27.2 kg
- Suitable for new or refurbished windows
- Standard lengths from 305 mm - 1829 mm
- Available in black or white tubes with 17 mm diameter
- Travel length = (2 x tube length) - 51 mm [2"]
- Fixing screws included
- Sold in pairs



Code	Accessories
4000144	F Type Horn Channel
FKINSTOOL	F Type Adjusting Tool



Horn Channel



Adjusting Tool

When selecting balances, it is important that the balances are suitable for the weight of the sash. BUK spring assisted spiral balances are pre-tensioned to the specified weight ranges, and can only be adjusted to increase tension.

The relevant weight is labeled on the tube. Check that the finished sash weight is within 0.5 kg.



Colour	Grey	Claret	Yellow	Black	Natural	Orange	Green	Blue
Lb	8-15	16-23	24-31	32-38	39-45	46-50	51-55	56-60
Kg	3.63 - 7.25	7.26 - 10.88	10.89 - 14.50	14.51 - 17.68	17.69 - 20.86	20.87 - 23.12	23.13 - 25.39	25.40 - 27.22

Higher weight ranges are available on request. Contact Tyman International for balance calculations and instructions.

BUK CODES:

Code Breakdown (E.g. F012016-23W)

Code:		Length:		Weight:		Colour:	
F0		12		16-23		W	
Denotes type of balance (F0 or F1)		Tube length in inches (i.e. 12 inches)		Weight of sash in lbs (i.e. 16-23 lbs)		W = White B = Black	
F012008-15	F020008-15	F028008-15	F036008-15	F044008-15	F052008-15	F060008-15	F068008-15
F012016-23	F020016-23	F028016-23	F036016-23	F044016-23	F052016-23	F060016-23	F068016-23
F012024-31	F020024-31	F028024-31	F036024-31	F044024-31	F052024-31	F060024-31	F068024-31
F012032-38	F020032-38	F028032-38	F036032-38	F044032-38	F052032-38	F060032-38	F068032-38
F012039-45	F020039-45	F028039-45	F036039-45	F044039-45	F052039-45	F060039-45	F068039-45
F112046-50	F120046-50	F128046-50	F136046-50	F144046-50	F152046-50	F160046-50	F168046-50
F112051-55	F120051-55	F128051-55	F136051-55	F144051-55	F152051-55	F160051-55	F168051-55
F112056-60	F120256-60	F128056-60	F136056-60	F144056-60	F152056-60	F160056-60	F168056-60
F013008-15	F021008-15	F029008-15	F037008-15	F045008-15	F053008-15	F061008-15	F069008-15
F013016-23	F021016-23	F029016-23	F037016-23	F045016-23	F053016-23	F061016-23	F069016-23
F013024-31	F021024-31	F029024-31	F037024-31	F045024-31	F053024-31	F061024-31	F069024-31
F013032-38	F021032-38	F029032-38	F037032-38	F045032-38	F053032-38	F061032-38	F069032-38
F013039-45	F021039-45	F029039-45	F037039-45	F045039-45	F053039-45	F061039-45	F069039-45
F113046-50	F121046-50	F129046-50	F137046-50	F145046-50	F153046-50	F161046-50	F169046-50
F113051-55	F121051-55	F129051-55	F137051-55	F145051-55	F153051-55	F161051-55	F169051-55
F113056-60	F121056-60	F129056-60	F137056-60	F145056-60	F153056-60	F161056-60	F169056-60
F014008-15	F022008-15	F030008-15	F038008-15	F046008-15	F054008-15	F062008-15	F070008-15
F014016-23	F022016-23	F030016-23	F038016-23	F046016-23	F054016-23	F062016-23	F070016-23
F014024-31	F022024-31	F030024-31	F038024-31	F046024-31	F054024-31	F062024-31	F070024-31
F014032-38	F022032-38	F030032-38	F038032-38	F046032-38	F054032-38	F062032-38	F070032-38
F014039-45	F022039-45	F030039-45	F038039-45	F046039-45	F054039-45	F062039-45	F070039-45
F114046-50	F122046-50	F130046-50	F138046-50	F146046-50	F154046-50	F162046-50	F170046-50
F114051-55	F122051-55	F130051-55	F138051-55	F146051-55	F154051-55	F162051-55	F170051-55
F114056-60	F122056-60	F130056-60	F138056-60	F146056-60	F154056-60	F162056-60	F170056-60
F015008-15	F023008-15	F031008-15	F039008-15	F047008-15	F055008-15	F063008-15	F071008-15
F015016-23	F023016-23	F031016-23	F039016-23	F047016-23	F055016-23	F063016-23	F071016-23
F015024-31	F023024-31	F031024-31	F039024-31	F047024-31	F055024-31	F063024-31	F071024-31
F015032-38	F023032-38	F031032-38	F039032-38	F047032-38	F055032-38	F063032-38	F071032-38
F015039-45	F023039-45	F031039-45	F039039-45	F047039-45	F055039-45	F063039-45	F071039-45
F115046-50	F123046-50	F131046-50	F139046-50	F147046-50	F155046-50	F163046-50	F171046-50
F115051-55	F123051-55	F131051-55	F139051-55	F147051-55	F155051-55	F163051-55	F171051-55
F115056-60	F123056-60	F131056-60	F139056-60	F147056-60	F155056-60	F163056-60	F171056-60
F016008-15	F024008-15	F032008-15	F040008-15	F048008-15	F056008-15	F064008-15	F072008-15
F016016-23	F024016-23	F032016-23	F040016-23	F048016-23	F056016-23	F064016-23	F072016-23
F016024-31	F024024-31	F032024-31	F040024-31	F048024-31	F056024-31	F064024-31	F072024-31
F016032-38	F024032-38	F032032-38	F040032-38	F048032-38	F056032-38	F064032-38	F072032-38
F016039-45	F024039-45	F032039-45	F040039-45	F048039-45	F056039-45	F064039-45	F072039-45
F116046-50	F124046-50	F132046-50	F140046-50	F148046-50	F156046-50	F164046-50	F172046-50
F116051-55	F124051-55	F132051-55	F140051-55	F148051-55	F156051-55	F164051-55	F172051-55
F116056-60	F124056-60	F132056-60	F140056-60	F148056-60	F156056-60	F164056-60	F172056-60
F017008-15	F025008-15	F033008-15	F041008-15	F049008-15	F057008-15	F065008-15	F073008-15
F017016-23	F025016-23	F033016-23	F041016-23	F049016-23	F057016-23	F065016-23	F073016-23
F017024-31	F025024-31	F033024-31	F041024-31	F049024-31	F057024-31	F065024-31	F073024-31
F017032-38	F025032-38	F033032-38	F041032-38	F049032-38	F057032-38	F065032-38	F073032-38
F017039-45	F025039-45	F033039-45	F041039-45	F049039-45	F057039-45	F065039-45	F073039-45
F117046-50	F125046-50	F133046-50	F141046-50	F149046-50	F157046-50	F165046-50	F073046-50
F117051-55	F125051-55	F133051-55	F141051-55	F149051-55	F157051-55	F165051-55	F173051-55
F117056-60	F125056-60	F133056-60	F141056-60	F149056-60	F157056-60	F165056-60	F173056-60
F017008-15	F026008-15	F034008-15	F042008-15	F050008-15	F058008-15	F066008-15	F074008-15
F018016-23	F026016-23	F034016-23	F042016-23	F050016-23	F058016-23	F066016-23	F074016-23
F018024-31	F026024-31	F034024-31	F042024-31	F050024-31	F058024-31	F066024-31	F074024-31
F018032-38	F026032-38	F034032-38	F042032-38	F050032-38	F058032-38	F066032-38	F074032-38
F018039-45	F026039-45	F034039-45	F042039-45	F050039-45	F058039-45	F066039-45	F074039-45
F118046-50	F126046-50	F134046-50	F142046-50	F150046-50	F158046-50	F166046-50	F074046-50
F118051-55	F126051-55	F134051-55	F142051-55	F150051-55	F158051-55	F166051-55	F174051-55
F118056-60	F126056-60	F134056-60	F142056-60	F150056-60	F158056-60	F166056-60	F174056-60
F019008-15	F027008-15	F035008-15	F043008-15	F051008-15	F059008-15	F067008-15	F075008-15
F019016-23	F027016-23	F035016-23	F043016-23	F051016-23	F059016-23	F067016-23	F075016-23
F019024-31	F027024-31	F035024-31	F043024-31	F051024-31	F059024-31	F067024-31	F075024-31
F019032-38	F027032-38	F035032-38	F043032-38	F051032-38	F059032-38	F067032-38	F075032-38
F019039-45	F027039-45	F035039-45	F043039-45	F051039-45	F059039-45	F067039-45	F075039-45
F119046-50	F127046-50	F135046-50	F143046-50	F151046-50	F159046-50	F167046-50	F075046-50
F119051-55	F127051-55	F135051-55	F143051-55	F151051-55	F159051-55	F167051-55	F175051-55
F119056-60	F127056-60	F135056-60	F143056-60	F151056-60	F159056-60	F167056-60	F175056-60

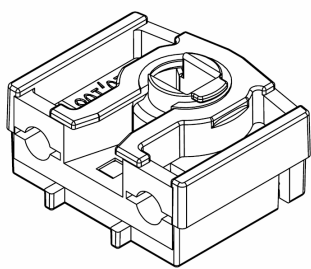
CONSTANT FORCE BALANCE SYSTEM: SINGLE AND DOUBLE HUNG WINDOWS

AmesburyTruth's Constant Force balance system with stainless steel coil springs and natural coloured housings offer a range of single, double, triple and quad combinations for single and double hung windows.

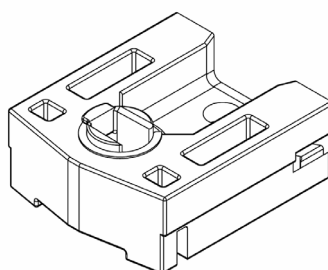
- Universal 32.8 mm pocket width coil spring system
- Patented inter-locking 12.7 mm spring
- Holds from 3.17 - 36.3 kg
- Patented spring and carrier system
- Easy location in window jamb
- Smooth reliable operation
- Never needs adjusting
- Interlocking pivot bar



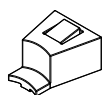
Code	Description
501040	Brake Shoe
501052	Side Locking Shoe
501061	Pivot Clip (Pivot Retainer Supalock)
501062	Pivot Bar 275
23200	Side Mount Pivot



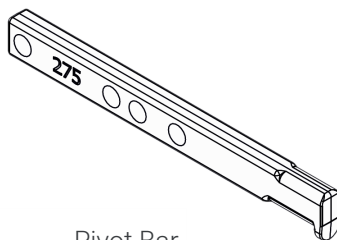
Brake Shoe



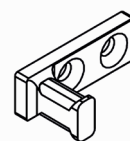
Side Locking Shoe



Pivot Clip



Pivot Bar

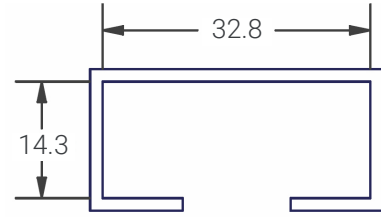


Side Mount Pivot

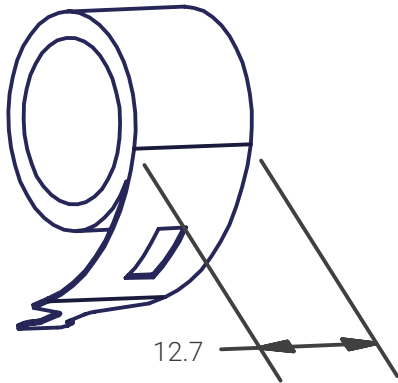
COIL COMBINATIONS:

Code Breakdown (E.g. 10/9/9/9 for 33 kg sash weight)

Coil combination	Carrier required
8010010 + 801009 + 801009 + 801009	801040 (Quad)
*Coil combination and carrier required on both sides of sash	
*Connect strongest coil of combination to brake shoe (i.e. 8010010)	

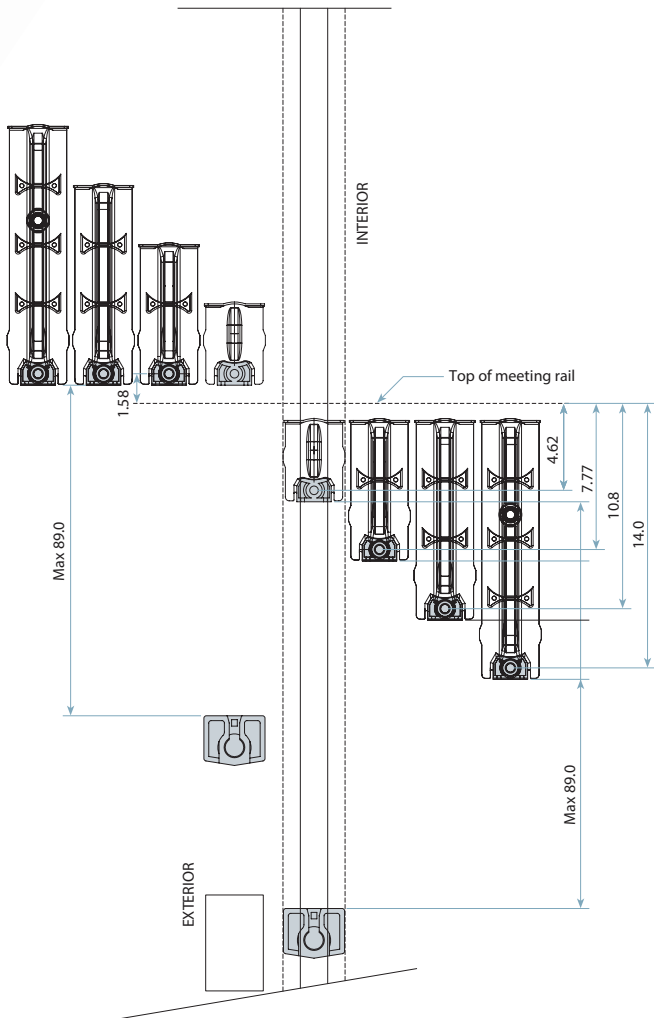


Nominal Pocket Size



Coil code	Coil rating (lb)	Sash weight (kg)	Carrier	Carrier code
801003	3.5	0.5 - 3.0	Single	801010
801004	4.5	3.0 - 4.0	Single	801010
801005	5.5	4.0 - 5.0	Single	801010
801006	6.5	5.0 - 5.9	Single	801010
801007FT	7.5	5.9 - 6.8	Single	801010
801009	9	6.8 - 8.2	Single	801010
8010010	10	8.2 - 9.0	Single	801010

Coil combination (lb)	Sash weight (kg)	Carrier	Carrier code
5.5/5.5	9.0 - 10.0	Double	801020
6.5/5.5	10.0 - 10.8	Double	801020
6.5/6.5	10.8 - 11.8	Double	801020
7.5/6.5	11.8 - 12.7	Double	801020
7.5/7.5	12.7 - 13.6	Double	801020
9/7.5	13.6 - 14.9	Double	801020
9/9	14.9 - 16.0	Double	801020
10/9	16.0 - 17.2	Double	801020
10/10	17.2 - 18.0	Double	801020
7.5/7.5/6.5	18.0 - 19.5	Triple	801030
7.5/7.5/7.5	19.5 - 20.4	Triple	801030
9/7.5/7.5	20.4 - 21.7	Triple	801030
9/9/7.5	21.7 - 23.0	Triple	801030
9/9/9	23.0 - 24.5	Triple	801030
10/9/9	24.5 - 25.4	Triple	801030
10/10/9	25.4 - 26.3	Triple	801030
10/10/10	26.3 - 27.2	Triple	801030
9/7.5/7.5/7.5	27.2 - 28.5	Quad	801040
9/9/7.5/7.5	28.5 - 30.0	Quad	801040
9/9/9/7.5	30.0 - 31.3	Quad	801040
9/9/9/9	31.3 - 32.6	Quad	801040
10/9/9/9	32.6 - 33.5	Quad	801040
10/10/9/9	33.5 - 34.5	Quad	801040
10/10/10/9	34.5 - 35.4	Quad	801040
10/10/10/10	35.4 - 36.3	Quad	801040



SCHLEGEL HARDWARE:

Schlegel offer a wide range of window stays to support awning and casement windows as well as restrictors, chainwinders and window handles to compliment the stays.



Year
Guarantee

TWO BAR FRICTION STAYS	16-17
FOUR BAR FRICTION STAYS	18-21
ALUMINIUM FRICTION STAYS	22-24
RESTRICTOR STAYS	25
MORTICE LOCK & HANDLE KITS	26
DOOR CLOSERS	27
CHAINWINDERS	28-29
ASCOT HANDLES	30-31



Balance
Systems

Schlegel
Hardware

Truth
Hardware

Giesse

ERA

Pile
Seals

Bristle
Brush

Foam
Seals

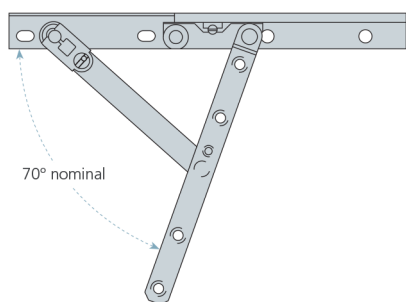
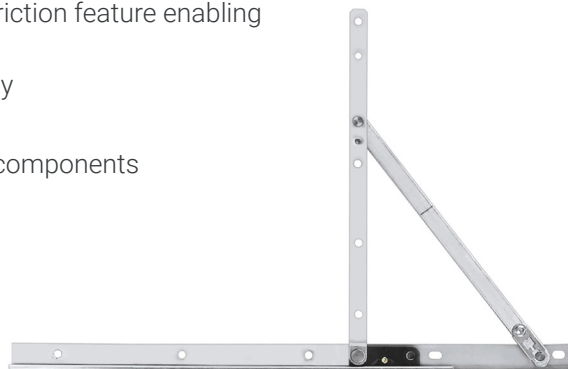
Four
seasons

TWO BAR FRICTION STAYS:

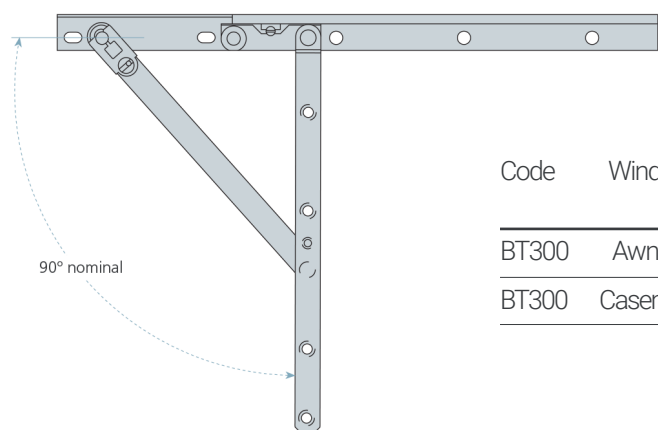
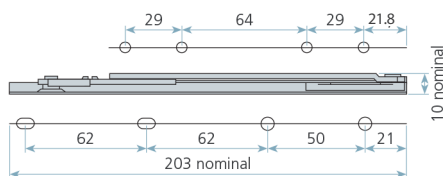
AWNING AND CASEMENT WINDOWS

A unique range of narrow style friction stays designed to provide support for standard sashes.

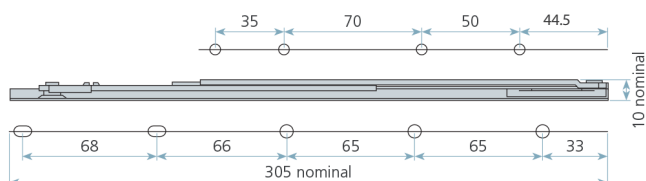
- Suitable for aluminium or timber awning and casement windows
- Available in four sizes for sash weights of up to 12 kg
- Adjustable composite slide block that provides friction and non-friction feature enabling stays to be used with or without operators
- Incorporates clip release feature - improving window serviceability
- Designed to suit narrow style joinery profiles
- Manufactured from 304 grade stainless steel and custom nylon components
- Sold in pairs

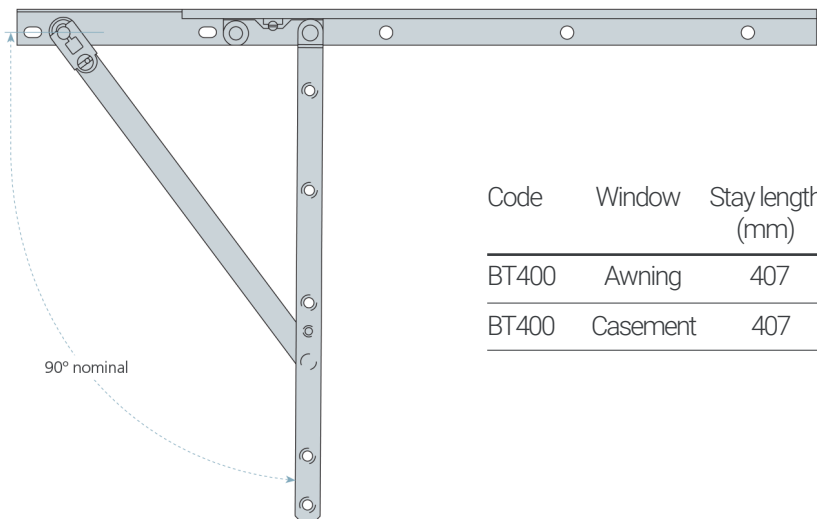


Code	Window	Stay length (mm)	Max sash weight (kg)	Max sash height (mm)	Max sash width (mm)	Opening angle (°)
BT200	Awning	203	6	530	900	70
BT200	Casement	203	10	1350	635	70

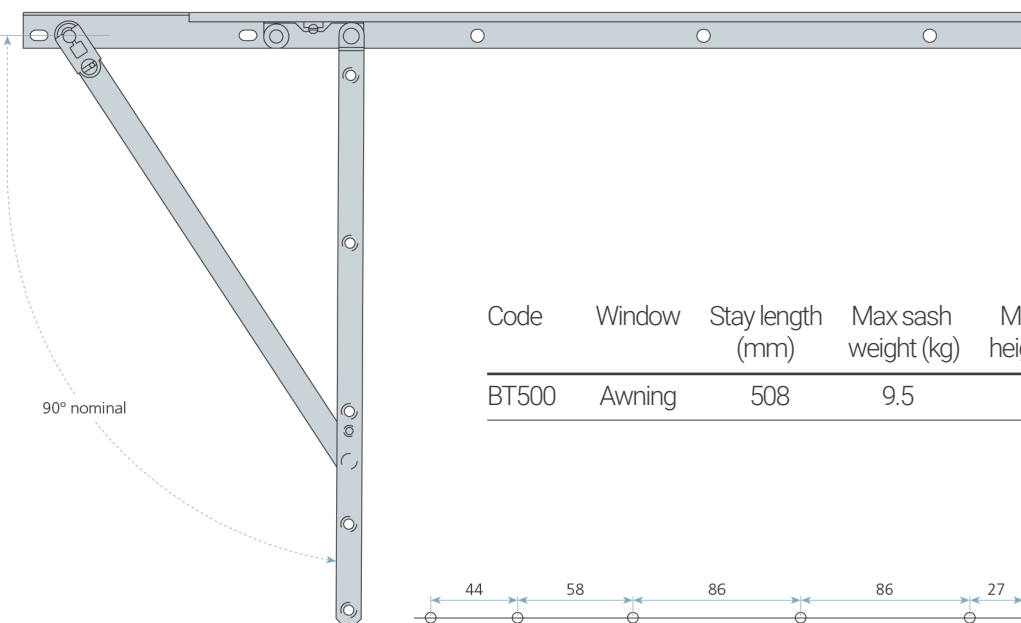
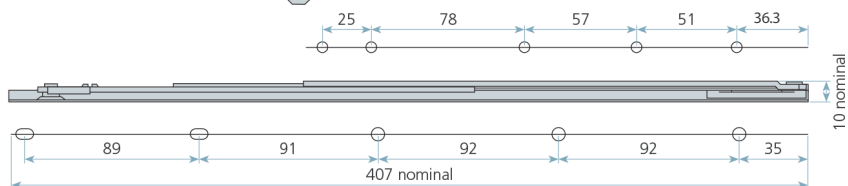


Code	Window	Stay length (mm)	Max sash weight (kg)	Max sash height (mm)	Max sash width (mm)	Opening angle (°)
BT300	Awning	305	7	700	800	90
BT300	Casement	305	12	1350	700	90

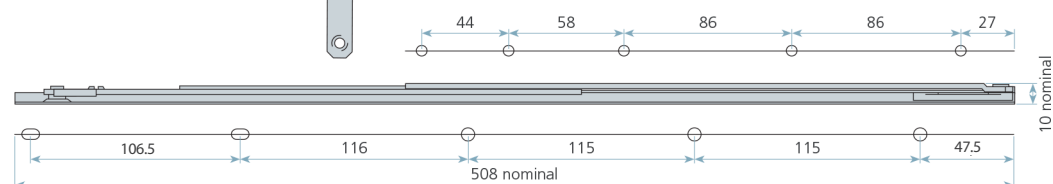




Code	Window	Stay length (mm)	Max sash weight (kg)	Max sash height (mm)	Max sash width (mm)	Opening angle (°)
BT400	Awning	407	9.5	990	900	90
BT400	Casement	407	12	1350	840	90



Code	Window	Stay length (mm)	Max sash weight (kg)	Max sash height (mm)	Max sash width (mm)	Opening angle (°)
BT500	Awning	508	9.5	990	900	90



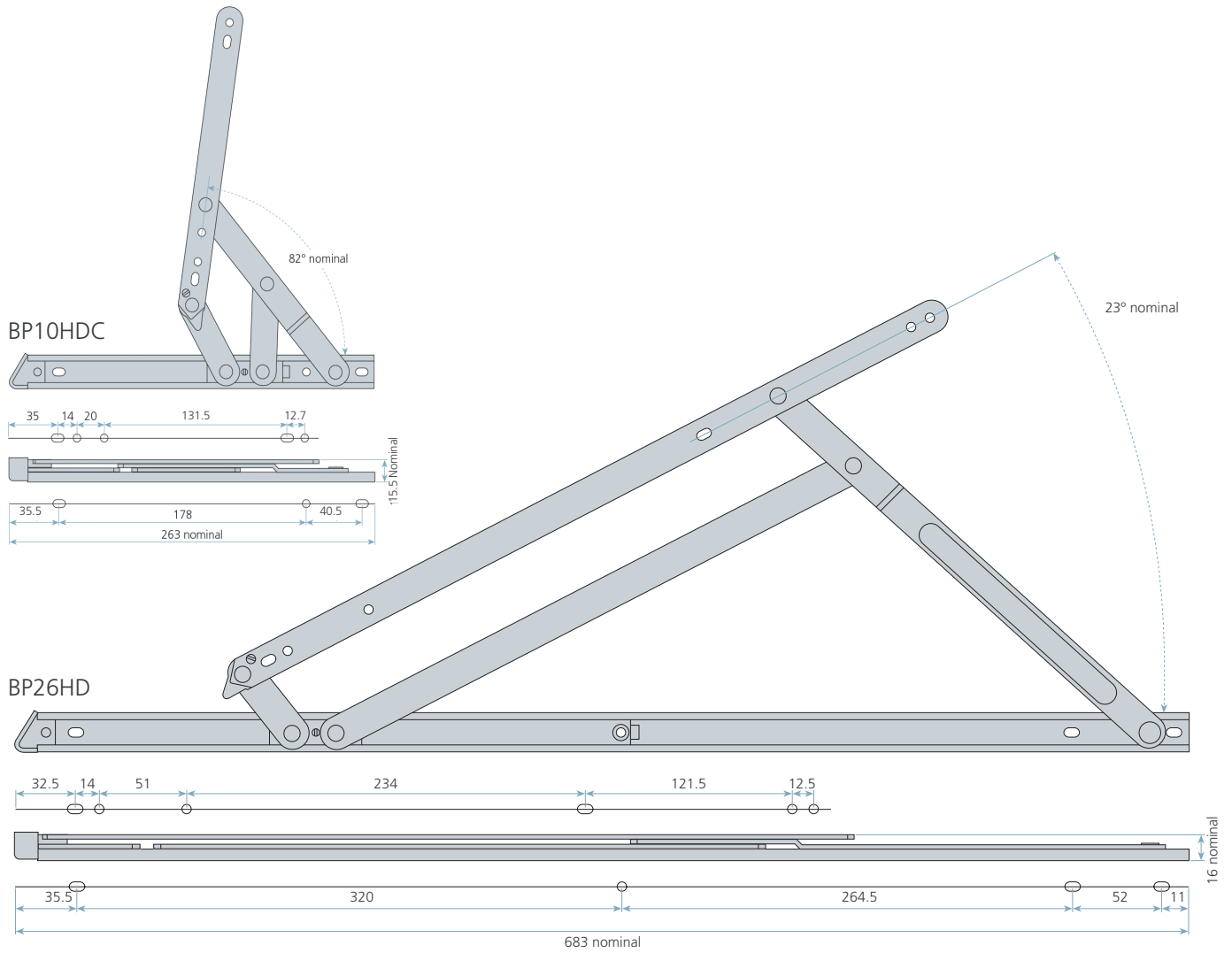
FOUR BAR FRICTION STAYS: HIGH PERFORMANCE SS STAYS

Schlegel offer a comprehensive range of smooth operating, adjustable, high performance friction stays for aluminium, PVC, and timber windows.

- Schlegel friction hinges are designed for ease of installation, with slotted fixing holes for adjustment
- Manufactured from a combination of high quality 304 grade stainless steel and nylon components
- Adjustable friction mechanism
- Suitable for casement (side hung) or awning (top hung) windows
- Available in 8" – 28" variants (203 mm - 724 mm)
- Sash weights - from 12-130 kg for awning and 24-42 kg for casement
- 13 mm to 16 mm stack height variants suitable for all popular profiles
- Designed for standard window cavities of 12-18 mm
- Innovative end cap design ensures optimum weather sealing in closed position
- Can be screwed or riveted to the frame and sash
- Standard and heavy duty options
- Schlegel friction stays supplied as a pair



HEAVY DUTY FOUR BAR STAYS: AWNING AND CASEMENT WINDOWS



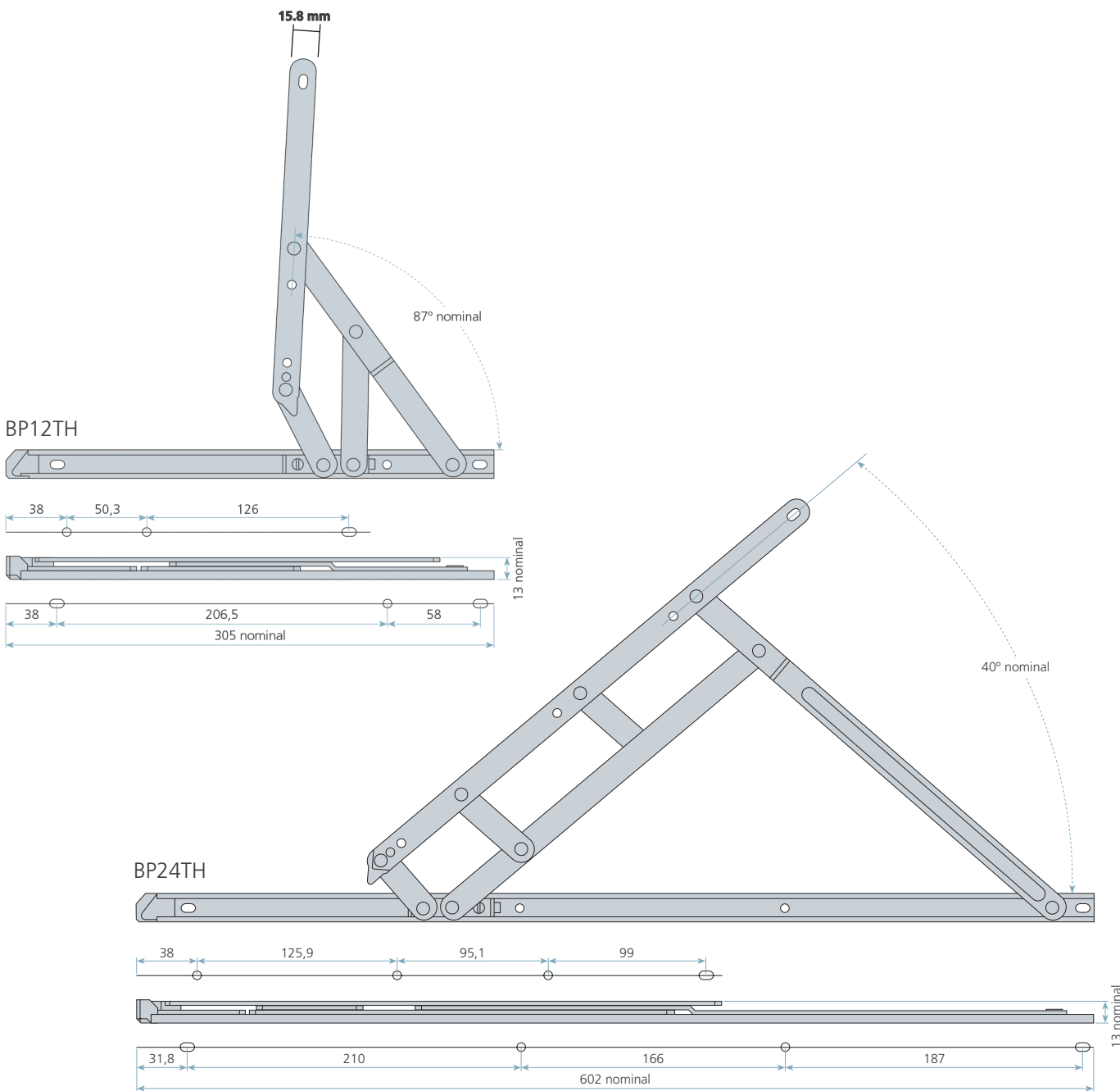
HD awning stays (top hung) size chart

Code	Stay length (") (mm)	Stack height (mm)	Max. sash height (mm)	Max. sash weight (kg)	Opening angle (°)
BP10HDC	10 263	15.5	762	50	82
BP16HDC	16 414	15.5	1120	63	83
BP22HD	22 567	15.5	1321	74	82
BP26HD Awning only	26 683	16	1800	90	23
BP28HD Awning only	28 724	16	2000	130	18

HD casement stays (side hung) size chart

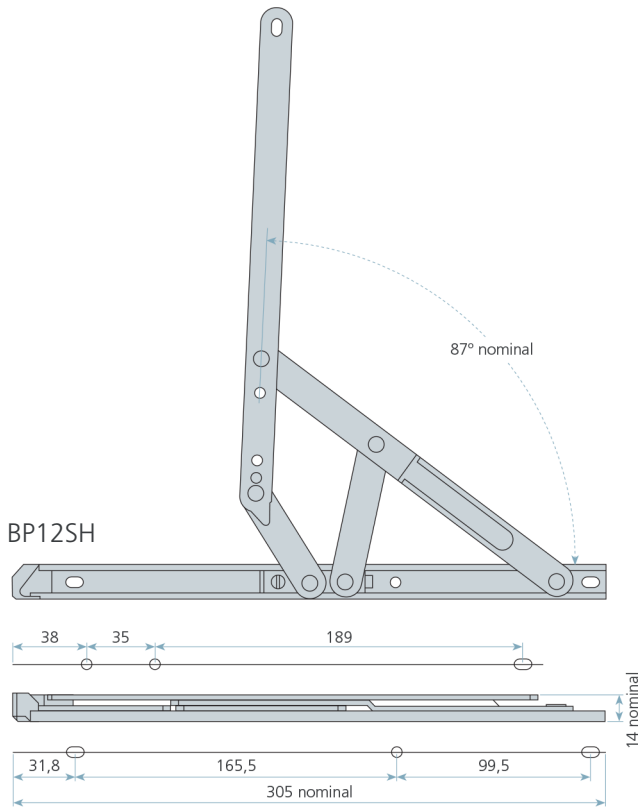
Code	Stay length (") (mm)	Stack height (mm)	Max. sash width (mm)	Max. sash weight (kg)	Opening angle (°)
BP10HDC	10 263	15.5	660	34.4	82
BP16HDC	16 414	15.5	800	37	83
BP22HD	22 567	15.5	800	42	83

FOUR BAR FRICTION STAYS: AWNING WINDOWS



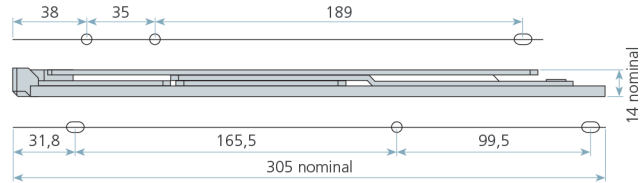
Code (Top hung)	Stay length (") (mm)	Stack height (mm)	Max. sash height (mm)	Max. sash weight (kg)	Opening angle (°)
BP8TH	8 203	13	350	12	73
BP10TH	10 254	13	400	14	84
BP12TH	12 305	13	550	16	87
BP16TH	16 402	13	800	20	60
BP20TH	20 502	13	900	24	45
BP24TH	24 602	13	1200	35	40

FOUR BAR FRICTION STAYS: CASEMENT WINDOWS

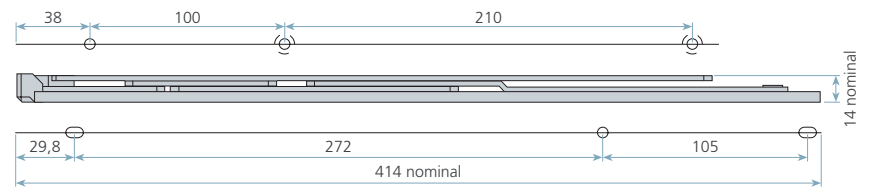


87° nominal

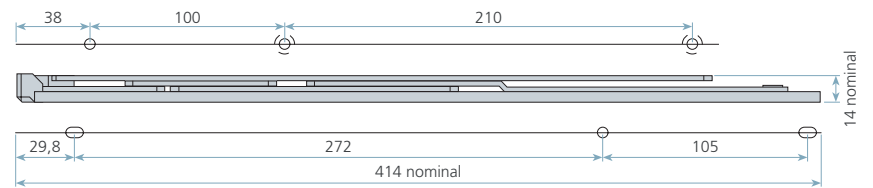
BP12SH



BP16SH



88° nominal

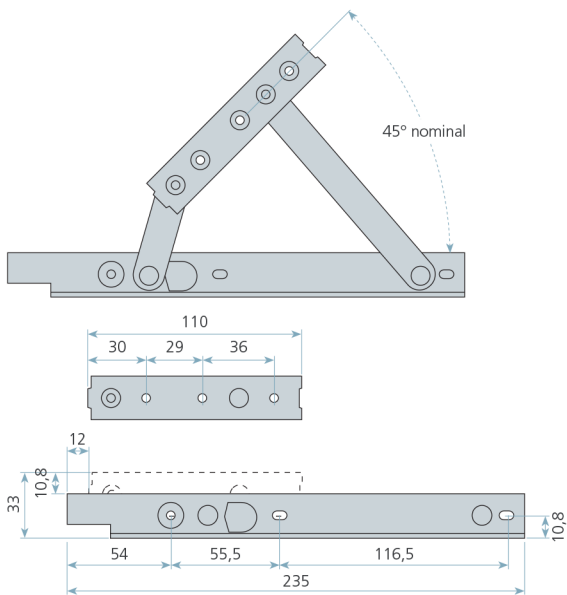


Code (Side hung)	Stay length (") (mm)	Stack height (mm)	Max. sash width (mm)	Max. sash weight (kg)	Opening angle (°)
BP12SH	12 305	14	650	24	87
BP16SH	16 414	14	800	30	88

ALUMINIUM FRICTION STAYS: AWNING AND CASEMENT WINDOWS

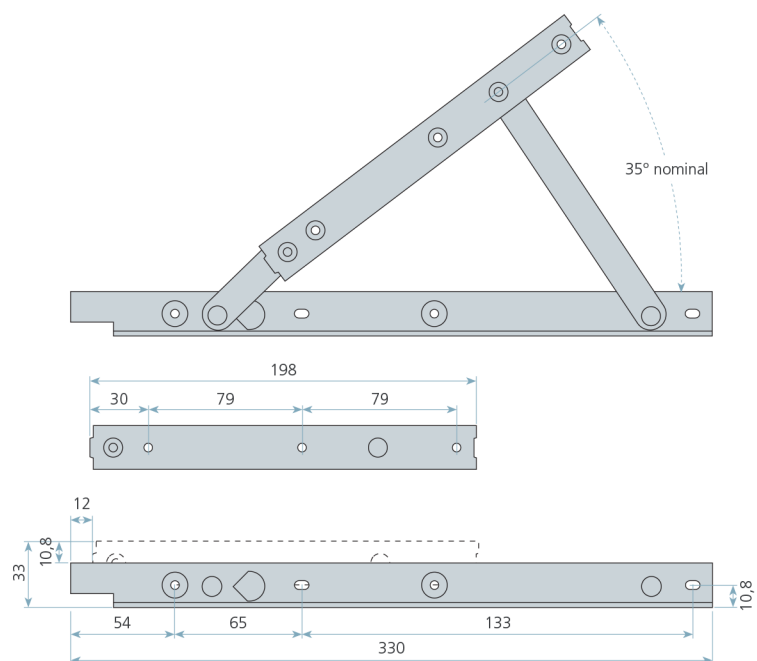
A range of aluminium friction stays designed to provide support for standard sashes.

- Available in different sizes for sash weights of up to 43 kg for awning and 20 kg for casement
- Non-friction options available
- Available in black only



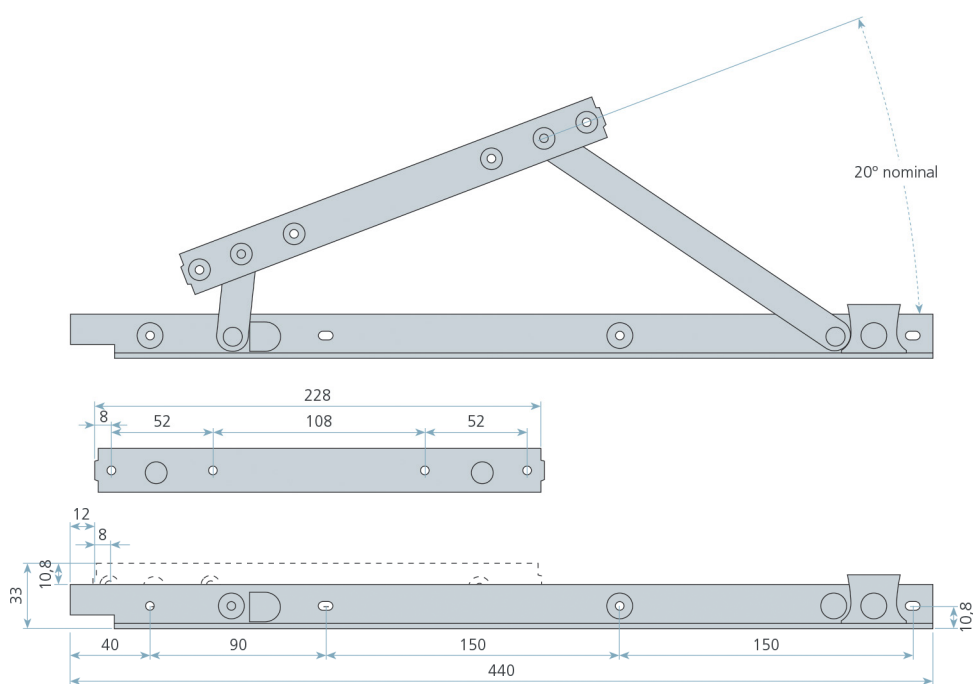
Code	Window	Stay length (mm)	Stack height (mm)	Max sash weight (kg)	Max sash height (mm)	Opening angle (°)
BP235B	Awning (Friction)	235	13	6	750	45
BP235BNF	Awning (Non-friction)	235	13	6	750	45

* Colour Black



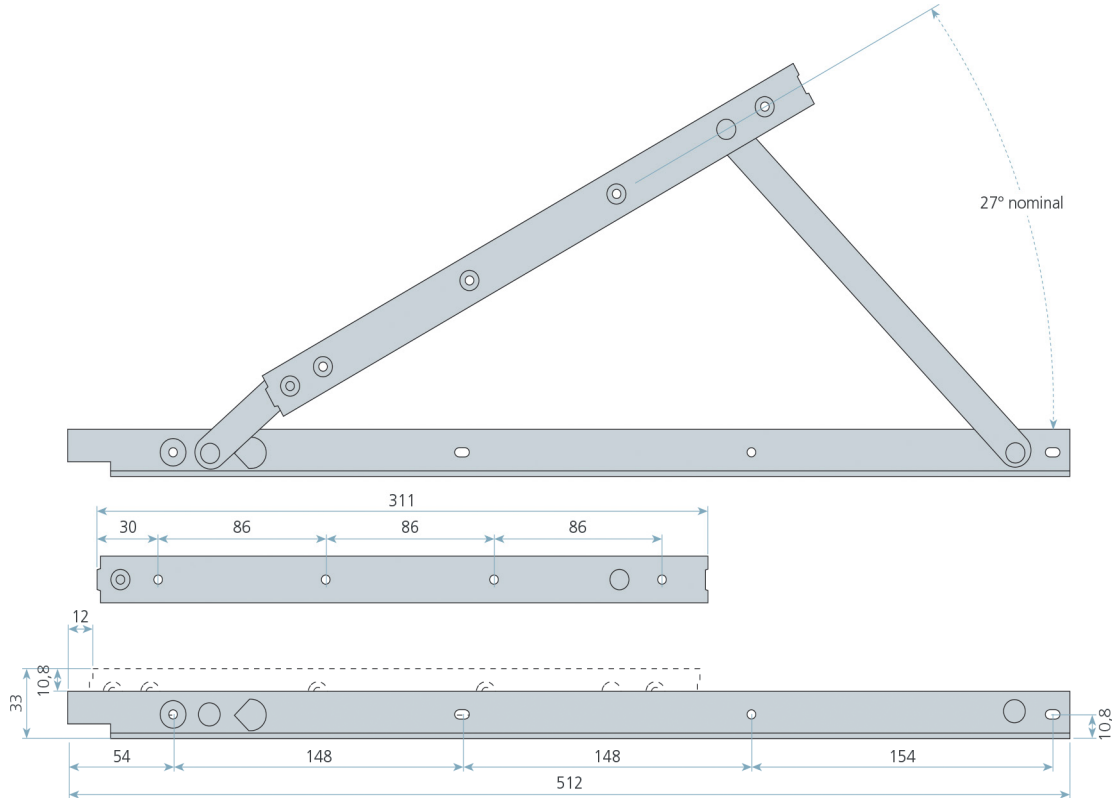
Code	Window	Stay length (mm)	Stack height (mm)	Max sash weight (kg)	Max sash height (mm)	Opening angle (°)
BP335B	Awning (Friction)	330	13	9	1000	35
BP335BNF	Awning (Non-friction)	330	13	9	1000	35

* Colour Black



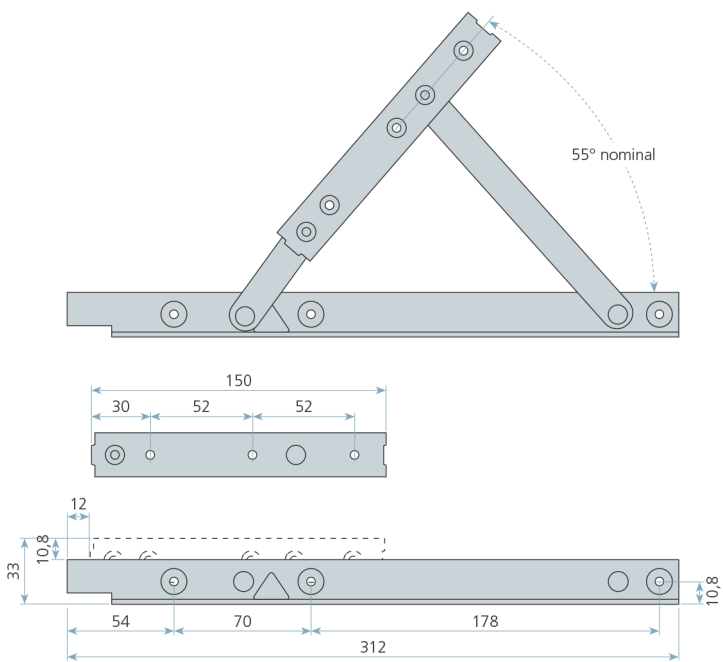
Code	Window	Stay length (mm)	Stack height (mm)	Max sash weight (kg)	Max sash height (mm)	Opening angle (°)
BP440B	Awning (Friction)	440	13	15	1800	20
				20	1500	20
				43	1200	20
BP440BNF	Awning (Non-friction)	440	13	15	1800	20
				20	1500	20
				43	1200	20

* Colour Black



Code	Window	Stay length (mm)	Stack height (mm)	Max sash weight (kg)	Max sash height (mm)	Opening angle (°)
BP510B	Awning (Friction)	512	13	12	1300	27
BP510BNF	Awning (Non-friction)	512	13	12	1300	27

* Colour Black



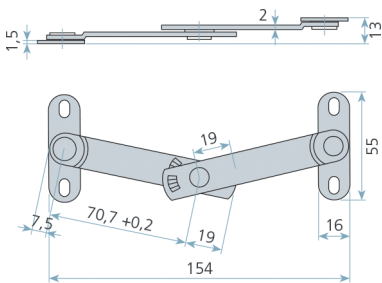
Code	Window	Stay length (mm)	Stack height (mm)	Max sash weight (kg)	Max sash width (mm)	Opening angle (°)
BP305CB	Casement (Friction)	312	13	20	750	55

* Colour Black

RESTRICTOR STAYS:

A range of high-performance cavity fit restrictors to prevent the window opening past the fully restricted position.

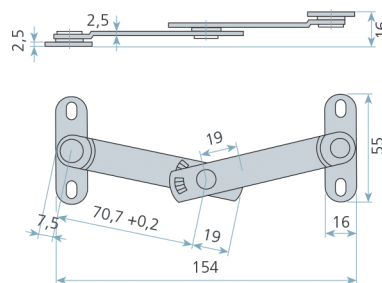
- Suitable for aluminium, PVC and timber
- Suitable for awning and casement windows
- Light-duty and heavy-duty options to align with different friction stay stack heights
- Key release version available for easy override of restrictor
- Innovative design to ensure window will hold in open position when required
- Ideal for controlling open sashes in exposed or high-wind areas
- Ideal for applications where building codes demand restriction for safety reasons
- Easy to install by screwing or riveting to the frame and sash
- Manufactured from a combination of 304 grade stainless steel and nylon components



Code

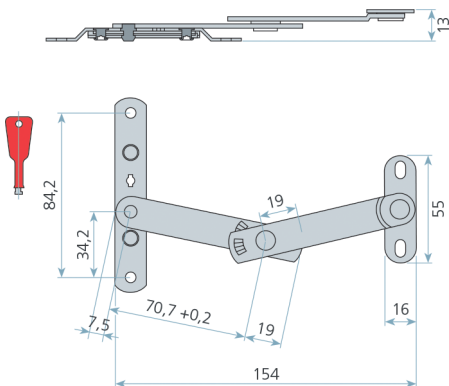
BPRESTLD (Light Duty)

BPRESTLDNF (No-friction, No-hold)



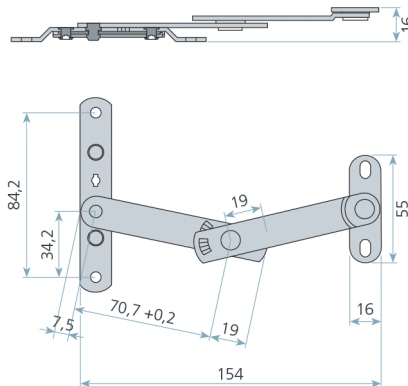
Code

BPRESTHD (Heavy Duty)



Code

BPRESTKRLD (Keyed)



Code

BPRESTKRHD (Keyed)

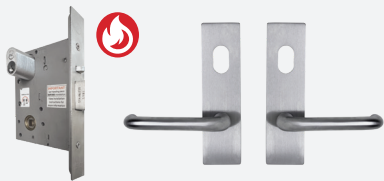


MORTICE LOCK & HANDLE KIT:



Kit 1. Double Key

Product Code	Description	
MNCTYMKIT1-SC	23mm backset key and key kit	SC
MNCTYMKIT1-BLK	23mm backset key and key kit	MB
MNCTYMKIT1-28SC	28mm backset key and key kit	SC
MNCTYMKIT1-28BLK	28mm backset key and key kit	MB

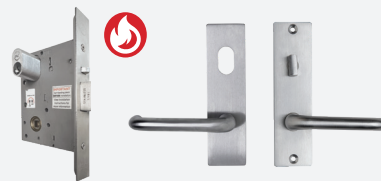


MNCTYMKIT1-60SC	60mm backset key and key kit	SC
MNCTYMKIT1-60BLK	60mm backset key and key kit	MB



Kit 2. Key and turn

Product Code	Description	
MNCTYMKIT2-SC	23mm backset key and turn kit	SC
MNCTYMKIT2-BLK	23mm backset key and turn kit	MB
MNCTYMKIT2-28SC	28mm backset key and turn kit	SC
MNCTYMKIT2-28BLK	28mm backset key and turn kit	MB

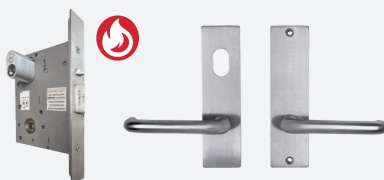


MNCTYMKIT2-60SC	60mm backset key and turn kit	SC
MNCTYMKIT2-60BLK	60mm backset key and turn kit	MB



Kit 3. Single key

Product Code	Description	
MNCTYMKIT3-SC	23mm backset key and plain kit	SC
MNCTYMKIT3-BLK	23mm backset key and plain kit	MB
MNCTYMKIT3-28SC	28mm backset key and plain kit	SC
MNCTYMKIT3-28BLK	28mm backset key and plain kit	MB

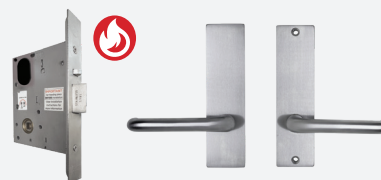


MNCTYMKIT3-60SC	60mm backset key and plain kit	SC
MNCTYMKIT3-60BLK	60mm backset key and plain kit	MB



Kit 4. Passage set

Product Code	Description	
MNCTYMKIT4-SC	23mm backset passage kit	SC
MNCTYMKIT4-BLK	23mm backset passage kit	MB
MNCTYMKIT4-28SC	28mm backset passage kit	SC
MNCTYMKIT4-28BLK	28mm backset passage kit	MB



MNCTYMKIT4-60SC	60mm backset passage kit	SC
MNCTYMKIT4-60BLK	60mm backset passage kit	MB

SC Satin Chrome

MB Matt Black

MNCC5000 mortice lock. Check with supplier for fire door approval.

DOOR CLOSERS:



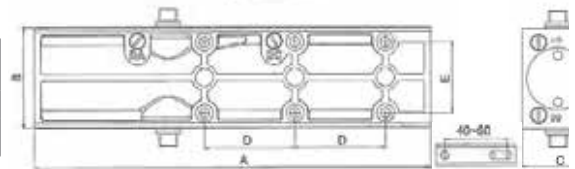
EN2 - 6 Closer (adjustable)

- Adjustable back check/delay action function
- Includes parallel fixing bracket and 10mm packer
- Adjustable closing and latching speeds
- Power size: 2-6 adjustable

MNC8626BC/DA-BLK	MB
MNC8626BC/DA	SC

Products on this page with the fire icon have been tested and approved on a range of timber and mineral core approved fire doors, including Pyropanel and Ecore.

Power Size	Model	Dimension (mm)			Hole Spacing (mm)		Applicable door weight (kg)	Applicable door width (mm)
		A	B	C	D	E		
EN2 - 6 Closer (adjustable)	MNC8626BC/DA	236	61	43	50	45	Up to 150	Up to 1400



Door Selector

- For double doors
- Allow self latching doors to close in correct sequence

MNCD002 **SC**



Hold Open Arm

- Ball joint for positive hold open

MNC8626HO **SC**



Slide Arm Kit

- Removable hold open feature

MNC8626SA **SC**
MNC8626SA-BLK **MB**



Drop Plate

MNC8000DP **SC**



Z Bracket

- Suits flush overhead transom

MNC8000ZB **SC**

CHAINWINDER HD40: STANDARD

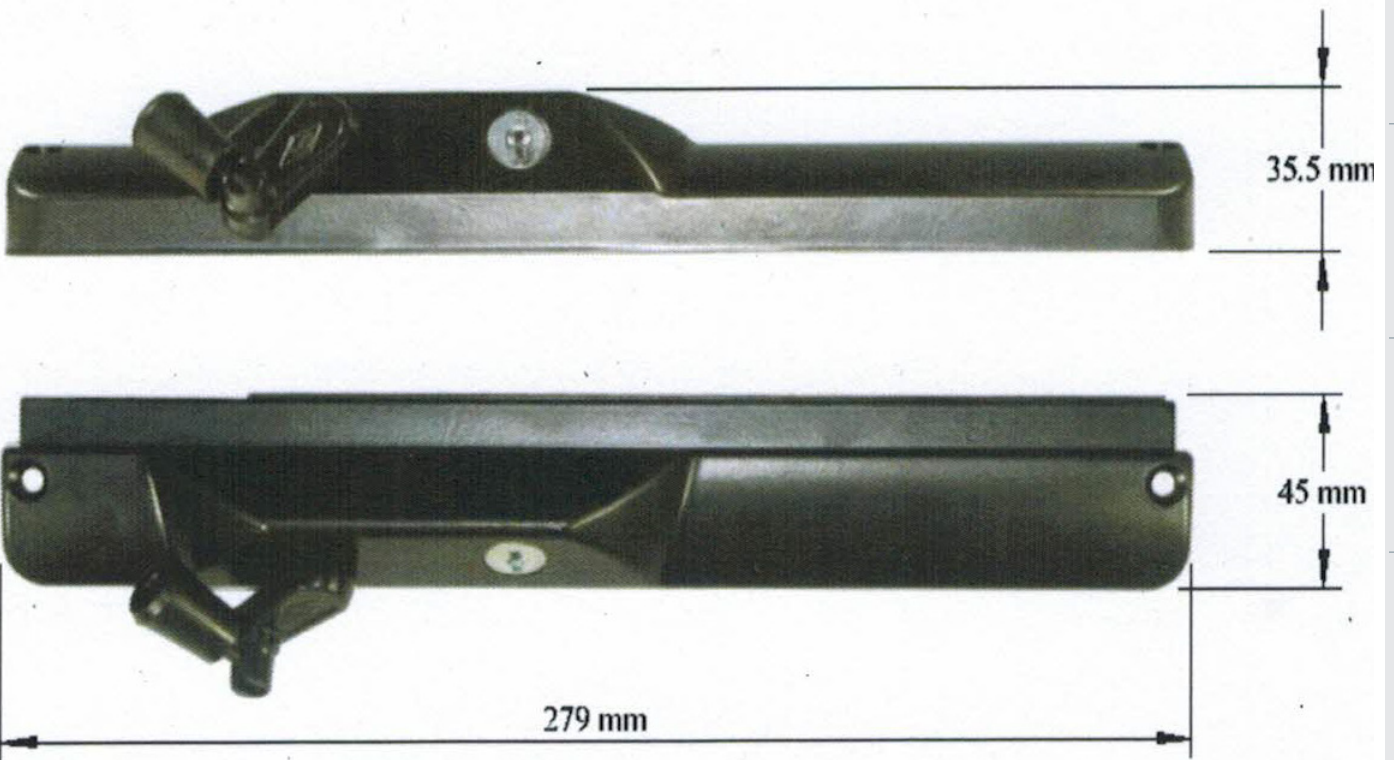
Durable window winder complete with innovative folding handle.

- Heavy duty gear and components providing high performance
- 40 kg weight rating
- SUPER CHAIN patent to provide maximum strength
- Adjustable mechanism for standard 300 mm and restricted 120 mm chain
- Modern slimline design and smooth lever operation with folding handle
- Stainless steel corrosion resistant chain and base optional
- Key lock as standard

HD40 key lock

Code	Colour
HWH-9101-HD40	Black
HWH-9101SS-HD40	Black, Stainless Steel Chain
HWH-9102-HD40	White
HWH-9102SS-HD40	White, Stainless Steel Chain
HWH-9111-HD40	Silver
HWH-9111SS-HD40	Silver, Stainless Steel Chain
HWH-9119-HD40	Satin Chrome
HWH-9119SS-HD40	Satin Chrome, Stainless Chain



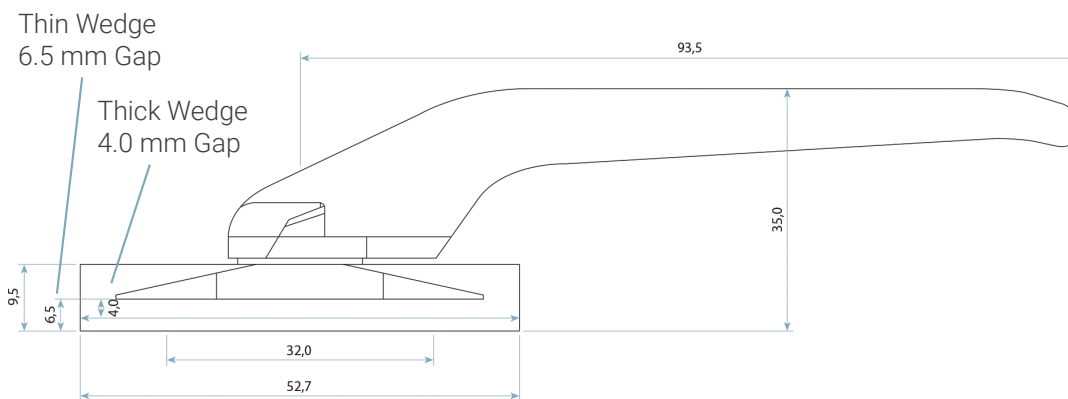
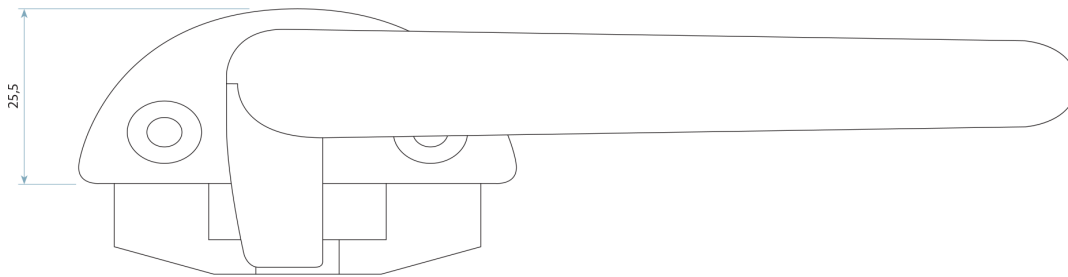


ASCOT HIGH PROFILE HANDLE: SELF LATCHING AND LOCKING

- Packs of 50
- Colour matched wedges
- TW = thick wedge (Black and Arctic White) high profile only
- Face Fixed
- Industry standard 32 mm hole centres
- Other colours available on request - MOQs apply

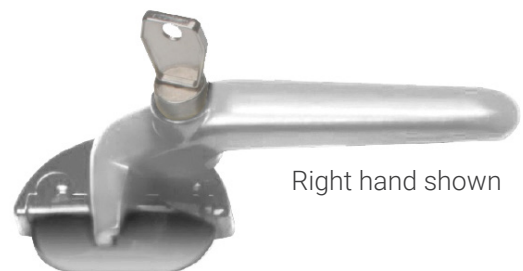


Right hand shown



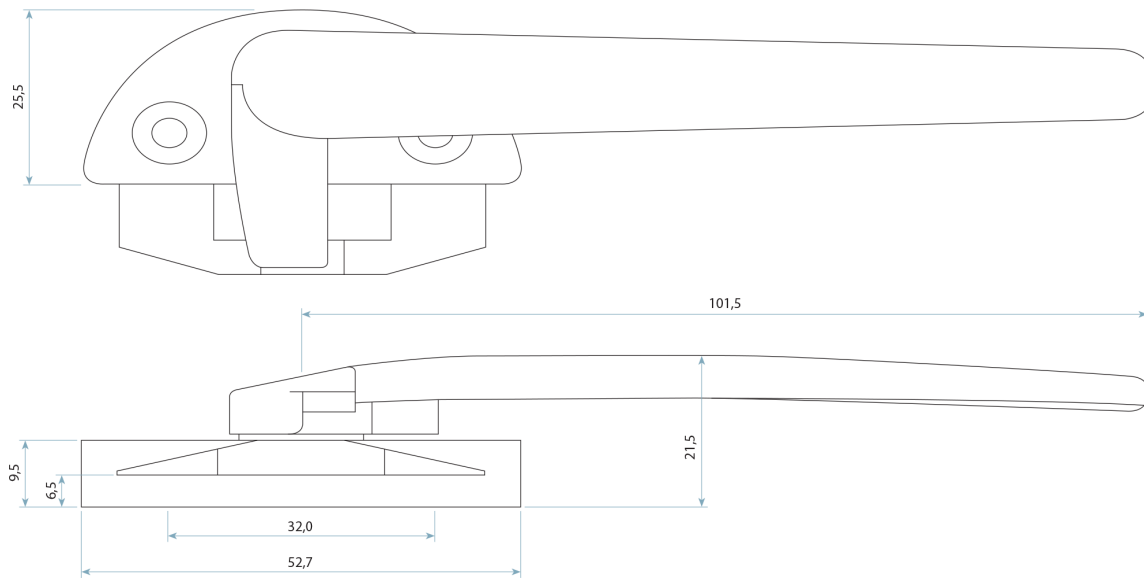
Colour	Black	Matte Black	Black TW	Arctic White	Arctic White TW
Left handed	ASHPSLBLH	ASHPSLBLH-MT	ASHPSLBLHTW	ASHPSLAWLH	ASHPSLAWLHTW
Right handed	ASHPSLBRH	ASHPSLBRH-MT	ASHPSLBRHTW	ASHPSLAWRH	ASHPSLAWRHTW

Colour		Black	Arctic White
Key Lock Left Handed		ASSLBLHLK	ASSLAWRHLK
Key Lock Right Handed		ASSLBRHLK	ASSLAWLHLK



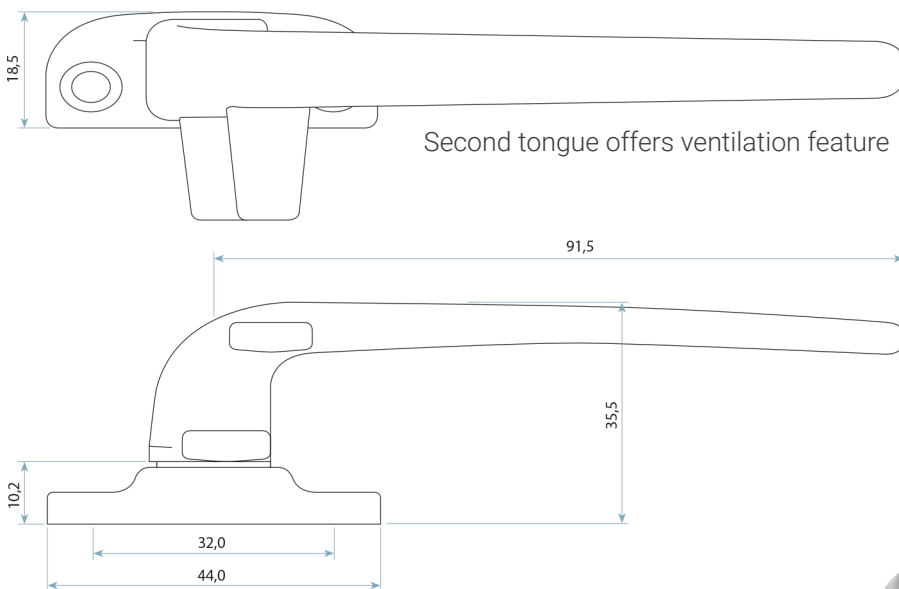
Right hand shown

ASCOT LOW PROFILE HANDLE: SELF LATCHING

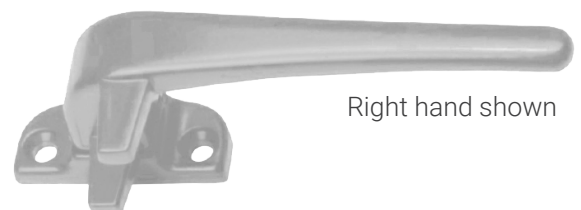


Colour	Black	Matte Black
Left handed	ASLPSLBLH	ASLPSLBLH-MT
Right handed	ASLPSLBRH	ASLPSLBRH-MT

ASCOT DOUBLE TONGUE HANDLE:



Colour	Matte Black
Left handed	ASDTBLH-MT
Right handed	ASDTBRH-MT



Right hand shown

TRUTH HARDWARE:

AmesburyTruth design high quality stays, restrictors, operators, locks and other window and door components. As a world leading timber specialist, AmesburyTruth offer awning and casement window hardware. AmesburyTruth hardware is also suitable for many aluminium and PVC window and door products.

- Encore operators are suitable for casement and awning windows to reduce water and air infiltration
- The Encore folding handle offers a smoother, more contemporary, integrated look, and is uniquely designed to prevent handle collapse during operation
- Encore snap-fit covers allow the appearance to be changed simply with a different colour handle and cover

ENCORE OPERATORS:	34-42
SINGLE ARM OPERATORS	34-35
DYAD OPERATORS	36-37
DUAL ARM OPERATORS	38-39
AWNING OPERATOR	40-41
NARROW AWNING OPERATOR	42
HANDLES AND COVERS	43
TRUTH COLOUR CODES	43
13 SERIES AWNING STAYS	44-45
14 SERIES CASEMENT STAYS	46-47
34 SERIES HD AWNING STAYS	48
34-35 HD CASEMENT STAYS	49
SASH CONTROL DEVICES	50
DOUBLE HUNG LOCKS AND LIFTS	51
HOMEGARD SASH LOCKS	52-53
MAXIM SASH LOCKS	54-57
LOCKING HANDLES	58-59
38 SERIES TANDEM ROLLER	60
39 SERIES TANDEM ROLLER	61





Balance
Systems

Schlegel
Hardware

**Truth
Hardware**

Giesse

ERA

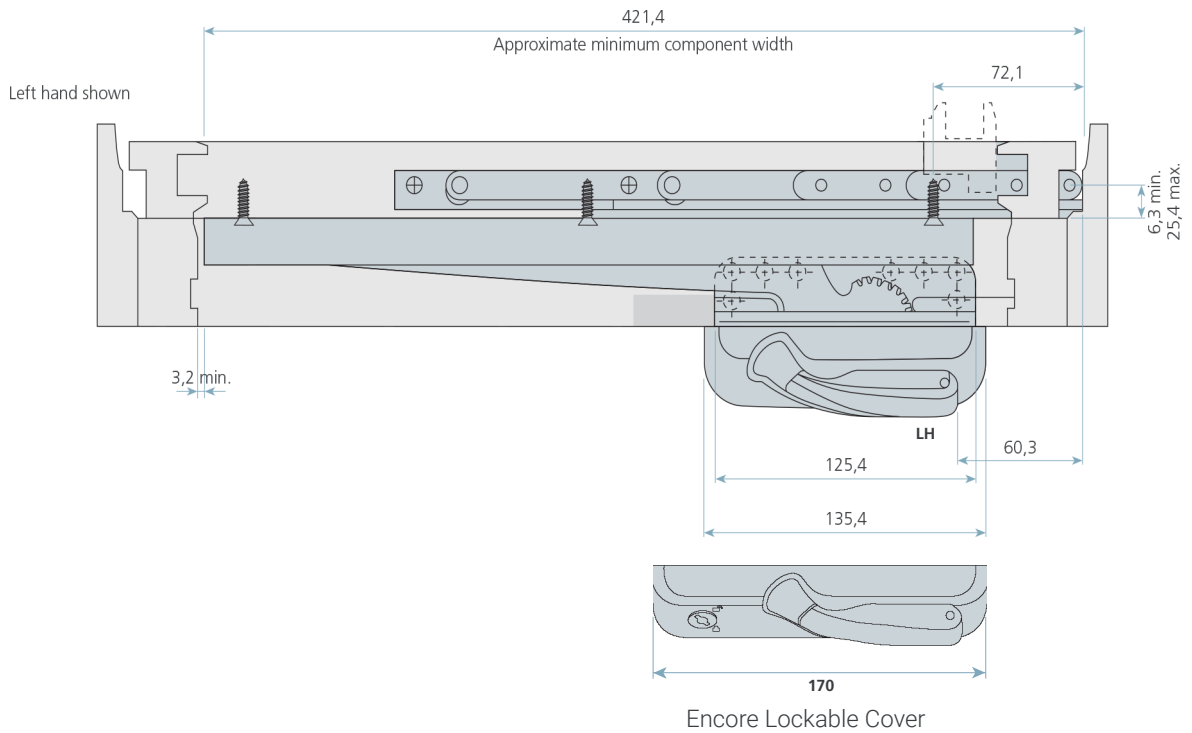
Pile
Seals

Bristle
Brush

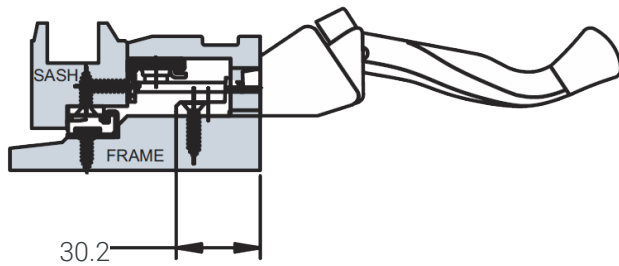
Foam
Seals

Four
seasons

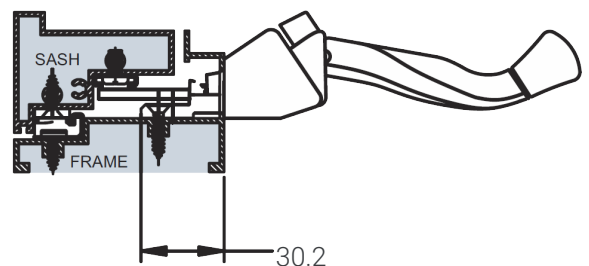
ENCORE® SINGLE ARM OPERATOR: CASEMENT WINDOWS



52.11 Single Arm Operator



52.13 Low Profile Operator



- Operates sash sizes of 420 mm to 812 mm (32") wide and 1800 mm high
- Sash width of 300 mm to 419 mm possible with a 'short' single arm operator
- Suitable for sash weights of up to 30 kg
- Provides up to 90° opening
- Fully operable with fly screens
- Stainless steel arm option available

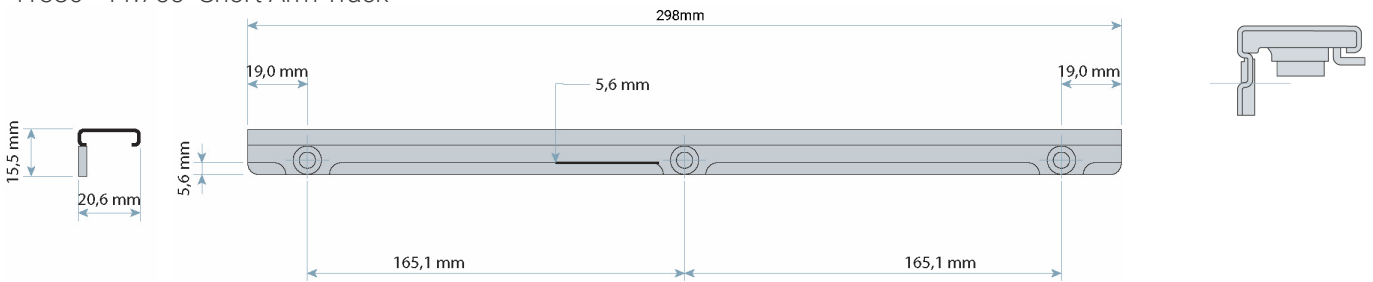
Design criteria

Sash	Min (mm)	Max (mm)	Weight (kg)
Height (H)	600	1800	30
Width (W)	420	812	

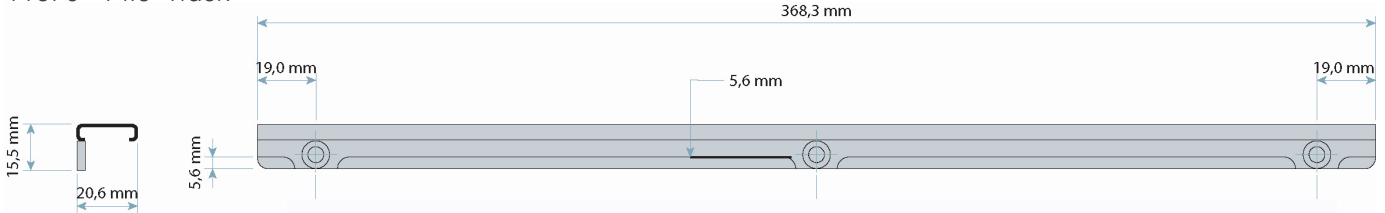


ENCORE® SINGLE ARM OPERATOR:

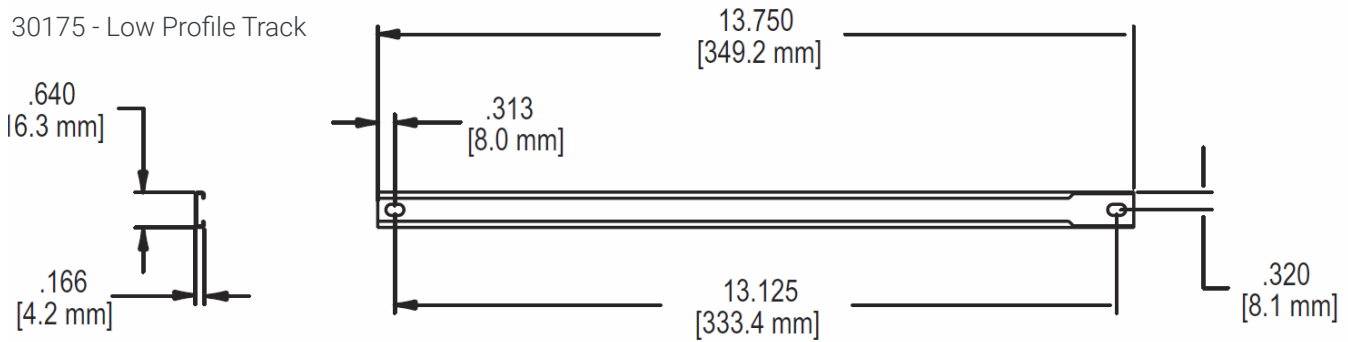
41386 - 11.755" Short Arm Track



11576 - 14.5" Track



30175 - Low Profile Track



Single Arm Operator

Code	Description
52.11.00.111	Single Arm Operator Left Hand E-Gard
52.11.00.112	Single Arm Operator Right Hand E-Gard
52.11.00.521	Single Arm Operator Left Hand Stainless Steel
52.11.00.522	Single Arm Operator Right Hand Stainless Steel
32658	Gasket
11576.92	Track 14.5 E-Gard + slider
11576.00.0520	Track 14.5 Stainless Steel + slider

* For handles and covers please check the end of the Encore section

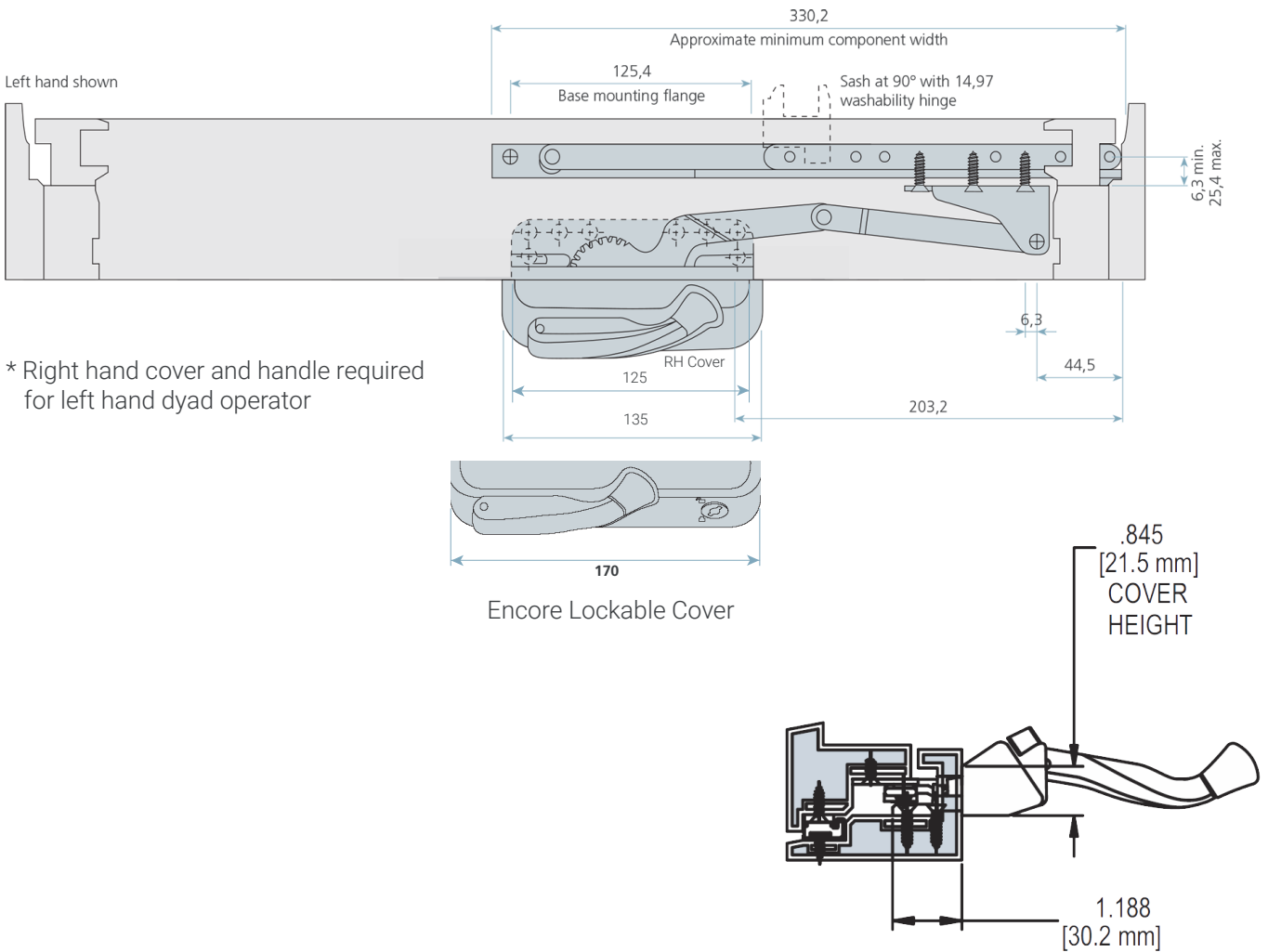
Low Profile Single Arm Operator

Code	Description
52.13.00.111	Low Profile Single Arm L-Hand E-Gard
52.13.00.112	Low Profile Single Arm R-Hand E-Gard
30175	Low Profile Track Stainless Steel

Short Single Arm Operator

Code	Description
Use Short Arm Operator for 300 - 419 mm wide sash	
52.16.00.111	Short Single Arm Operator L-Hand E-Gard
52.16.00.112	Short Single Arm Operator R-Hand E-Gard
41386.92	11.755" Track Only E-Gard
31877.00.0001	Track Slider

ENCORE® DYAD OPERATOR: CASEMENT WINDOWS



- Superior strength and performance combined with the flexibility of a snap fit cover and streamlined folding handle
- Operates sash sizes of 350 mm to 700 mm wide and 1800 mm high
- Suitable for sash weights of up to 25 kg
- Provides up to 90° opening
- Provides washability with 14.97 casement stay
- Fully operable with fly screens
- Stainless steel arm option available

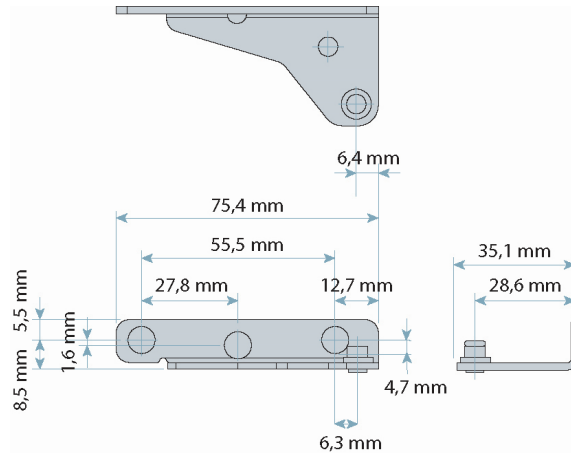


ENCORE® DYAD OPERATOR:

Stud Bracket - Left hand shown



* Other stud brackets available



Code	Description
50.60.00.111	Dyad operator Left Hand E-Gard
50.60.00.112	Dyad operator Right Hand E-Gard
50.60.00.521	Dyad operator Left Hand Stainless Steel Arms
50.60.00.522	Dyad operator Right Hand Stainless Steel Arms
14690.92	Bracket stud Left Hand E-Gard
14691.92	Bracket stud Right Hand E-Gard
12510.00.520	Bracket stud Left Hand Stainless Steel
12511.00.520	Bracket stud Right Hand Stainless Steel
32658	Gasket

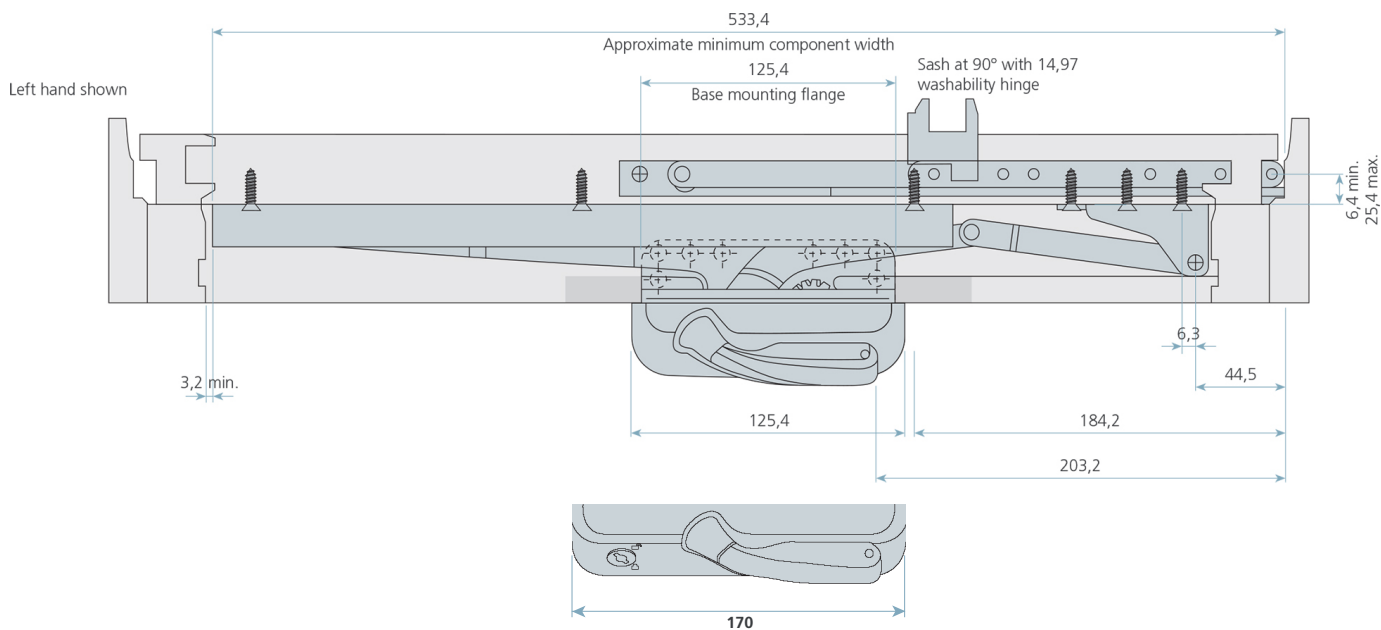
* For handles and covers please check the end of the Encore section

* Handing reversed for dyad operator (use right hand cover for left hand dyad operator, and left hand cover for right hand dyad operator)

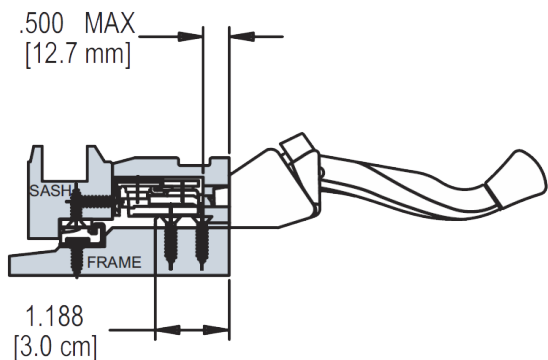
Design criteria

Sash	Min (mm)	Max (mm)	Weight (kg)
Height (H)	550	1800	25
Width (W)	350	700	

ENCORE® DUAL ARM OPERATOR: CASEMENT WINDOWS



Encore Lockable

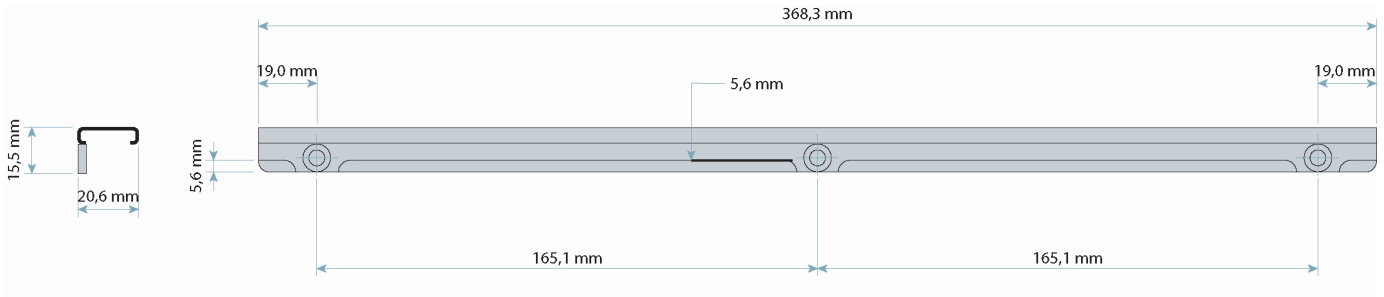


- Superior strength and performance combined with the flexibility of a snap fit cover and streamlined folding handle
- Operates sash sizes of 550 mm to 1000 mm wide and 2100 mm high
- Suitable for sash weights of up to 45 kg
- Provides up to 90° opening
- Provides washability with the 14.97 casement stay
- Fully operable with fly screens
- Stainless steel arm option available



ENCORE® DUAL ARM OPERATOR:

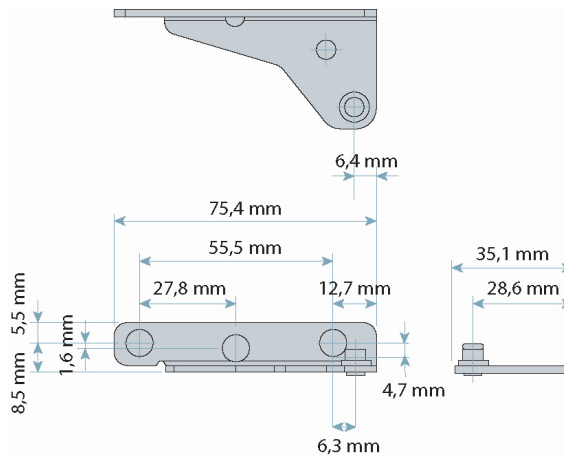
11576 - 14.5" Track



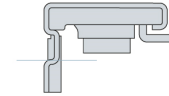
Stud Bracket - Left hand shown



* Other stud brackets available



31877 Slider (included with track)



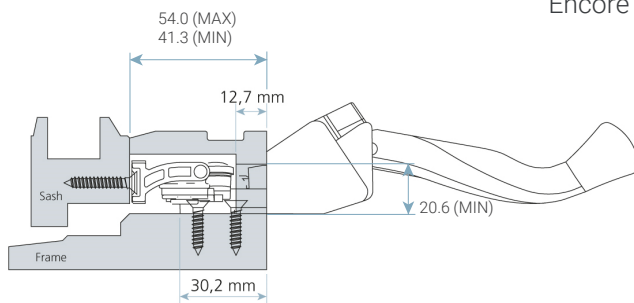
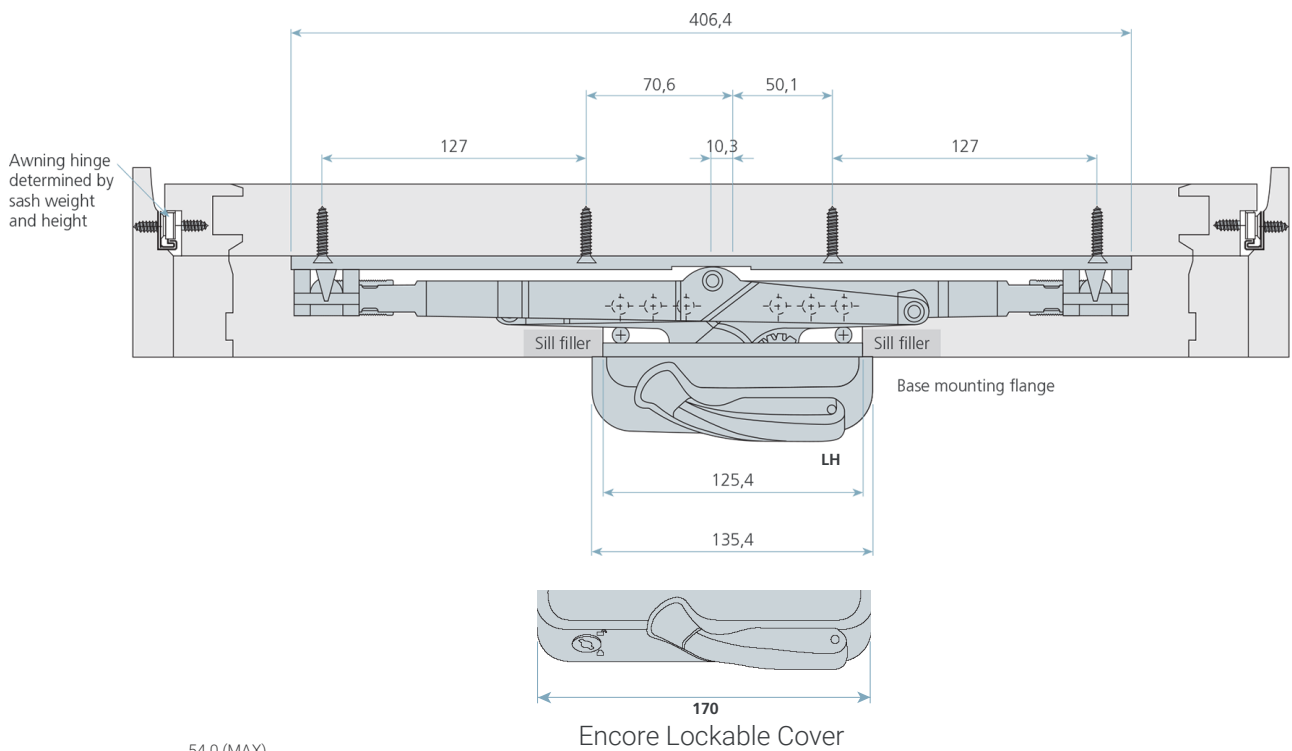
Code	Description
50.10.00.111	Dual arm operator Left Hand E-Gard
50.10.00.112	Dual arm operator Right Hand E-Gard
50.10.00.521	Dual arm operator Left Hand Stainless Steel Arms
50.10.00.522	Dual arm operator Right Hand Stainless Steel Arms
14690.92	Bracket stud Left Hand E-Gard
14691.92	Bracket stud Right Hand E-Gard
12510.00.520	Bracket stud Left Hand Stainless Steel
12511.00.520	Bracket stud Right Hand Stainless Steel
11576.92	Track 14.5 E-Gard + slider
11576.00.0520	Track 14.5 Stainless Steel + slider
32658	Gasket

* For handles and covers please check the end of the Encore section

Design Criteria

Sash	Min (mm)	Max (mm)	Weight (kg)
Height (H)	900	2100	45
Width (W)	550	1000	

ENCORE® AWNING OPERATOR:

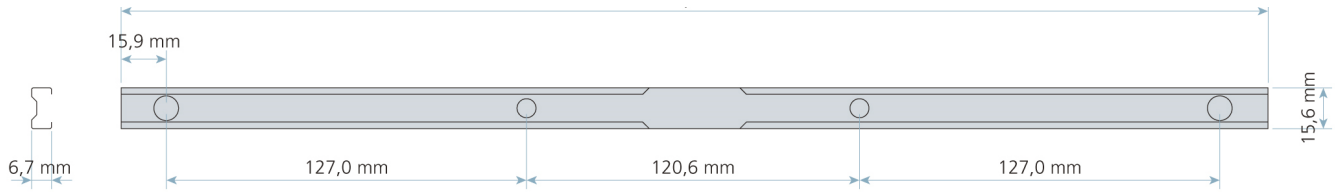


- Allows for a uniform look throughout the home on casements and awnings
- Provides for maximum opening (approx. 370 mm) combined with wide 'pull-in' connection to sash
- 33% less effort to operate than previous operators and 50% less than conventional chainwinders
- Operates sash sizes of 550 mm to 1500 mm wide and 2100 mm high
- Suitable for sash weights of up to 130 kg when used with appropriate stay
- Fully operable with fly screens
- Stainless steel arm option available

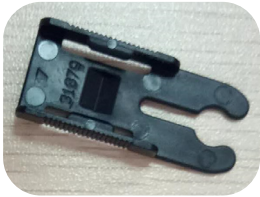


ENCORE® AWNING OPERATOR:

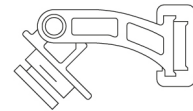
11577 - 16" Track



31879 Replacement Clip



11647 Pivot slider assembly
(2 included with track)



Code	Description
51.10.00.111	Awning operator Left Hand E-Gard
51.10.00.521	Awning operator Left Hand Stainless Steel Arms
11577.92	Track 16.0 E-Gard + slider
11577.00.0520	Track 16.0 Stainless Steel + slider
32658	Gasket
31879	Replacement Clip for Awning Operator Arms (supplied with operator)

* For handles and covers please check the end of the Encore section

* Only suits left hand cover and handle

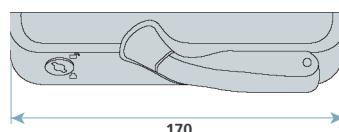
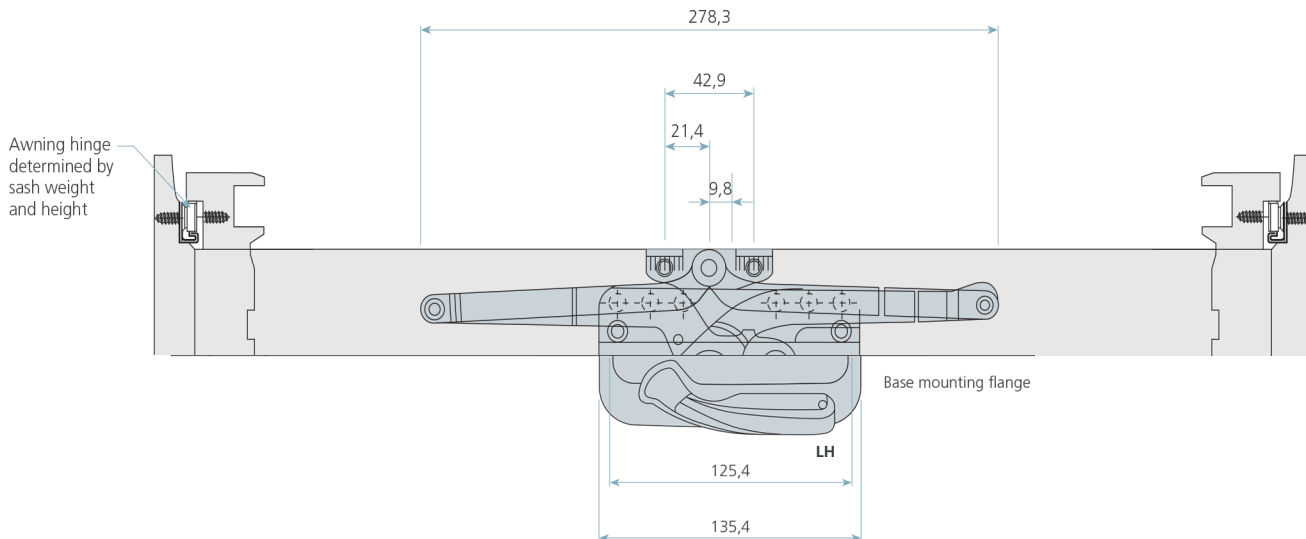
13 series awning stays 3 kg to 28 kg

34-37 series awning stays from 26 kg to 136 kg

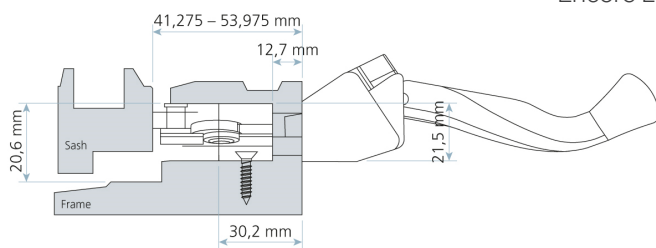
Design Criteria

Sash	Min (mm)	Max (mm)	Weight (kg)
Height (H)	Refer to awning stay tables		As per heights
Width (W)	450	1500	

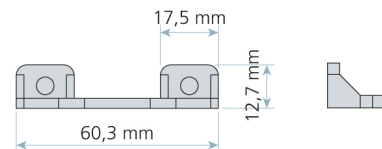
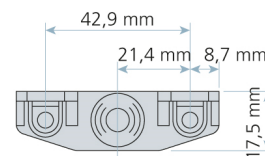
ENCORE® NARROW AWNING OPERATOR:



Encore Lockable Cover



22143 Mounting Bracket



- Designed for narrower sashes
- 33% less effort to operate than previous operators
- 50% less effort to operate than chainwinders
- For sashes between 320 mm to 700 mm wide
- For sashes up to 2100 mm high
- Suitable for sash weights of up to 130 kg with appropriate stays
- Fully operable with fly screens
- Stainless steel arm option available

Code	Description
51.11.00.111	Narrow awning operator Left Hand E-Gard
51.11.00.521	Narrow awning operator Left Hand Stainless Steel Arms
22143.00.0001	Mounting Bracket (Supplied with operator)
32658	Gasket
* For handles and covers please check the end of the Encore section	
* Only suits left hand cover and handle	

Design Criteria

Sash	Min (mm)	Max (mm)	Weight (kg)
Height (H)	Refer to awning stay tables		As per heights
Width (W)	320	700	



ENCORE® HANDLES AND COVERS:

Code	Description	Colour
12614.01	Encore Tango cover and handle Left Hand	Aluminium (Silver)
12616.01	Encore Tango cover and handle Right Hand	Aluminium (Silver)
12614.02	Encore Tango cover and handle Left Hand	Black
12616.02	Encore Tango cover and handle Right Hand	Black
12614.32	Encore Tango cover and handle Left Hand	White
12616.32	Encore Tango cover and handle Right Hand	White
14873.01	Encore Lockable cover and handle Left Hand (less cylinder with keys)	Aluminium (Silver)
14874.01	Encore Lockable cover and handle Right Hand (less cylinder with keys)	Aluminium (Silver)
14873.02	Encore Lockable cover and handle Left Hand (less cylinder with keys)	Black
14874.02	Encore Lockable cover and handle Right Hand (less cylinder with keys)	Black
14873.32	Encore Lockable cover and handle Left Hand (less cylinder with keys)	White
14874.32	Encore Lockable cover and handle Right Hand (less cylinder with keys)	White
SP-CYL-323	Cylinder lock with keys (for Encore Lockable covers)	
32658	Gasket (for all Encore operators)	



TRUTH COLOUR CODES:

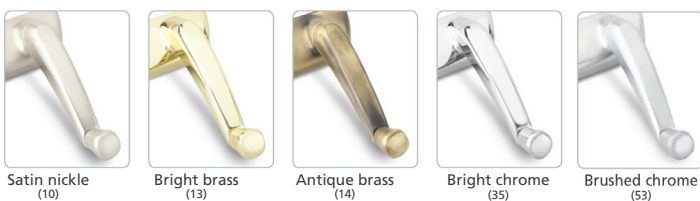
Standard (traditional) Truth finishes



Encore lockable finishes



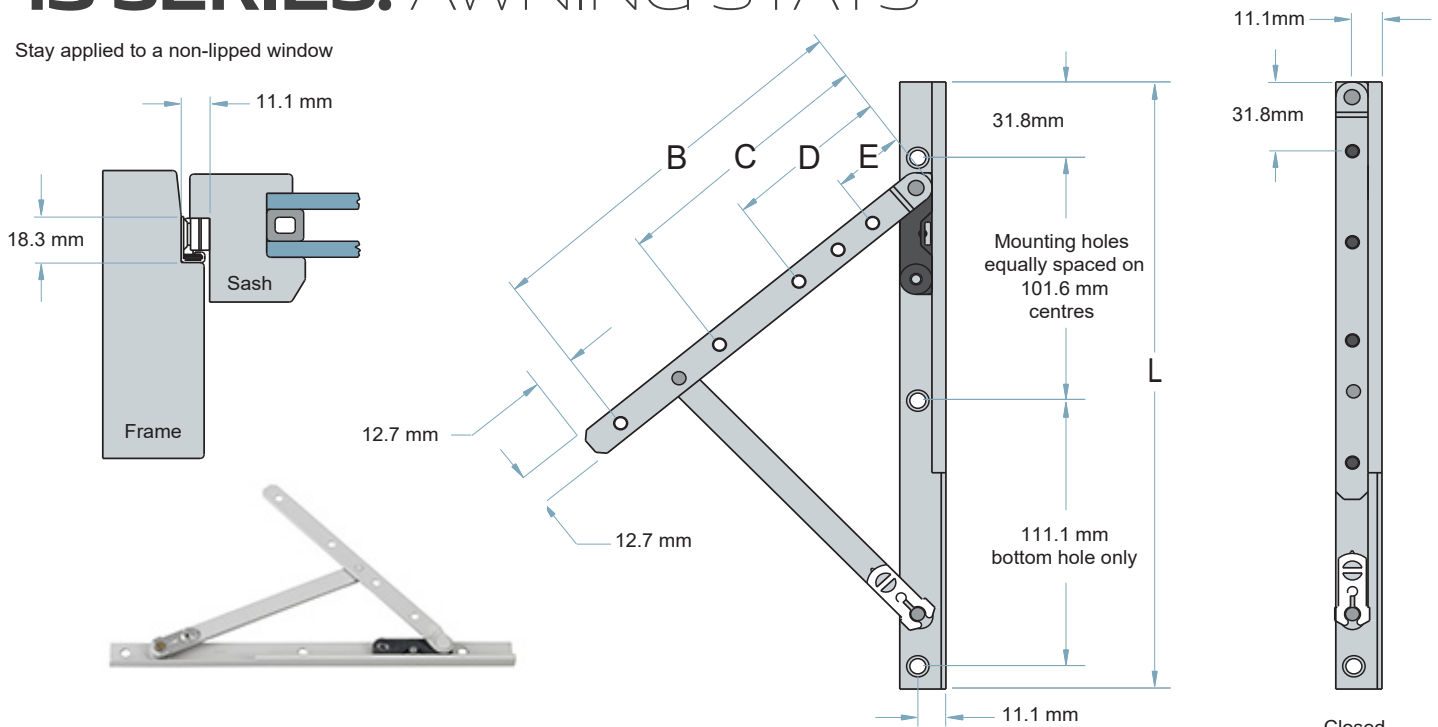
Decorative Truth finishes



* Check for availability

13 SERIES: AWNING STAYS

Stay applied to a non-lipped window



- Designed to be used with the full range of Truth awning operators
- Adjustable friction screws allow users to customise the effort required to open and close awning window
- As they open the stay balances the sash – smooth effortless operation

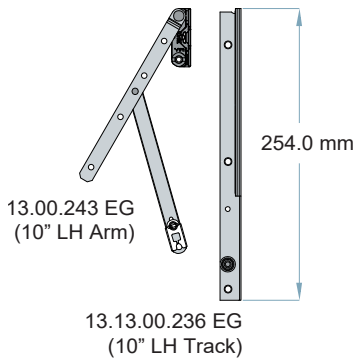
Stays	Stay length L	Sash height range (mm)		Arm hole positions (mm)				Max sash weight
		Min	Max	B	C	D	E	
13.13	10" 254.0 mm	254.0	355.6	158.8	108.0	66.7	31.8	3.2 kg
13.14 & 13.44	14" 355.6 mm	355.6	482.6	158.8	108.0	66.7	31.8	9.1 kg
13.15	18" 457.2 mm	482.6	660.4	209.6	158.8	66.7	31.8	17.3 kg
13.16 & 13.45	22" 558.8 mm	660.4	863.6	260.4	158.8	66.7	31.8	22.7 kg
13.17	26" 660.4 mm	863.6	1066.8	298.4	209.6	138.1	31.8	27.8 kg

Obsolete code	Handing	Stay length	Track order code	Arm order code
13.13.00.114*	Left hand	10" 254.0 mm	13.13.00.236 (E-Gard)	13.13.00.243 (E-Gard)
13.13.00.115*	Right hand	10" 254.0 mm	13.13.00.237 (E-Gard)	13.13.00.244 (E-Gard)
13.14.00.114*	Left hand	14" 355.6 mm	13.14.00.236 (E-Gard)	13.14.00.243 (E-Gard)
13.14.00.115*	Right hand	14" 355.6 mm	13.14.00.237 (E-Gard)	13.14.00.244 (E-Gard)
13.15.00.114*	Left hand	18" 457.2 mm	13.15.00.236 (E-Gard)	13.15.00.243 (E-Gard)
13.15.00.115*	Right hand	18" 457.2 mm	13.15.00.237 (E-Gard)	13.15.00.244 (E-Gard)
13.16.00.114*	Left hand	22" 558.8 mm	13.16.00.216 (E-Gard)	13.16.00.211 (E-Gard)
13.16.00.115*	Right hand	22" 558.8 mm	13.16.00.217 (E-Gard)	13.16.00.212 (E-Gard)
13.17.00.114*	Left hand	26" 660.4 mm	13.17.00.216 (E-Gard)	13.17.00.211 (E-Gard)
13.17.00.115*	Right hand	26" 660.4 mm	13.17.00.217 (E-Gard)	13.17.00.212 (E-Gard)
13.44.00.520*	Left hand	14" 355.6 mm	13.44.00.236 (St Steel)	13.14.00.543 (St Steel)
13.44.00.521*	Right hand	14" 355.6 mm	13.44.00.237 (St Steel)	13.14.00.544 (St Steel)
13.45.00.520*	Left hand	22" 558.8 mm	13.45.00.204 (St Steel)	13.45.00.510 (St Steel)
13.45.00.521*	Right hand	22" 558.8 mm	13.45.00.205 (St Steel)	13.45.00.511 (St Steel)

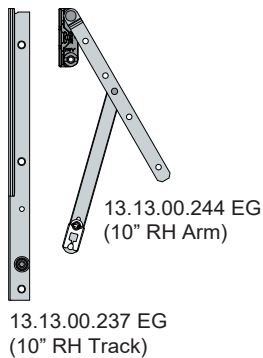
* Sold as individual tracks and arms - right and left hand arms to be fitted to sash and right and left hand tracks fitted to the frame

13 SERIES: AWNING STAYS

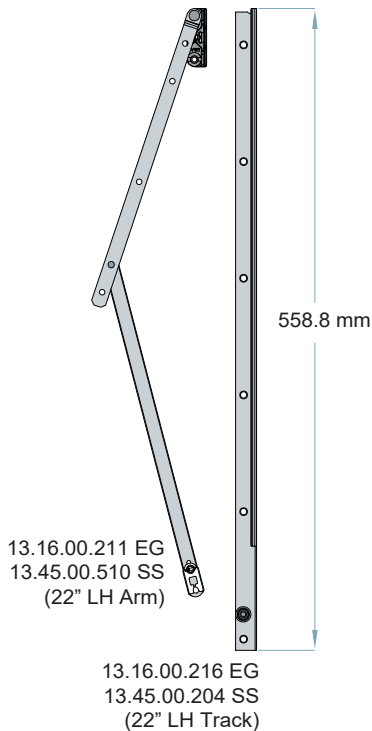
Track and Arm makes
10" LH stay assembly
13.13.00.114 (E-Gard)



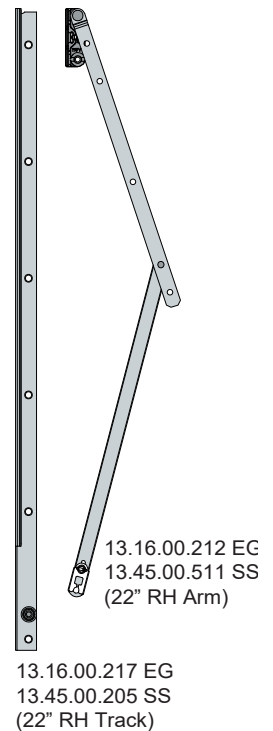
Track and Arm makes
10" RH stay assembly
13.13.00.115 (E-Gard)



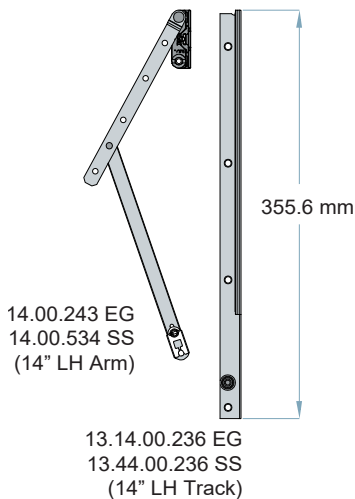
Track and Arm makes
22" LH stay assembly
13.16.00.114 (E-Gard)
13.45.00.520 (St Steel)



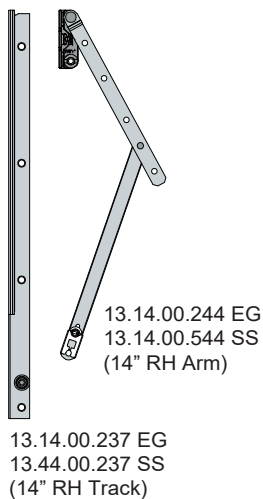
Track and Arm makes
22" RH stay assembly
13.16.00.115 (E-Gard)
13.45.00.521 (St Steel)



Track and Arm makes
14" LH stay assembly
13.14.00.114 (E-Gard)
13.44.00.520 (St Steel)



Track and Arm makes
14" RH stay assembly
13.14.00.115 (E-Gard)
13.44.00.521 (St Steel)



13.16.00.211 EG
13.45.00.510 SS
(22" LH Arm)

13.16.00.216 EG
13.45.00.204 SS
(22" LH Track)

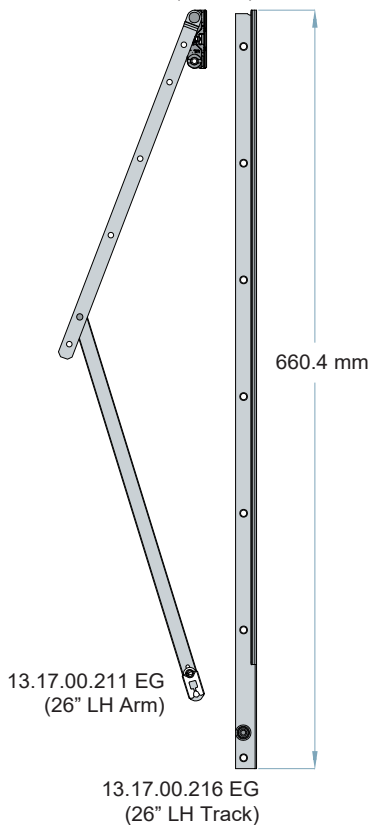
13.16.00.212 EG
13.45.00.511 SS
(22" RH Arm)

13.16.00.217 EG
13.45.00.205 SS
(22" RH Track)

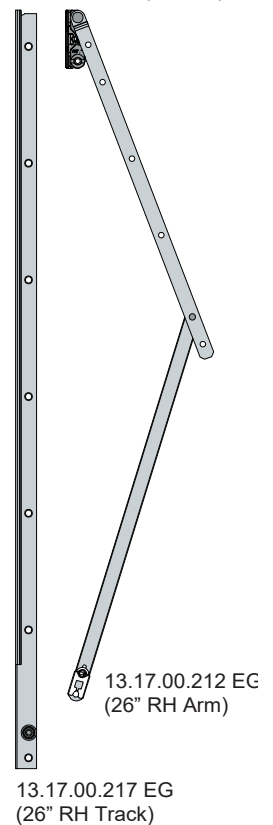
14.00.243 EG
14.00.534 SS
(14" LH Arm)

13.14.00.244 EG
13.14.00.544 SS
(14" RH Arm)

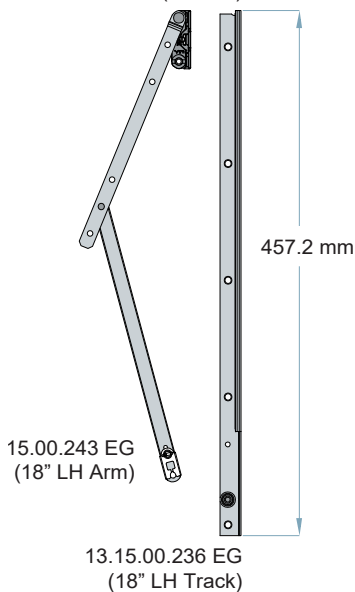
Track and Arm makes
26" LH stay assembly
13.17.00.114 (E-Gard)



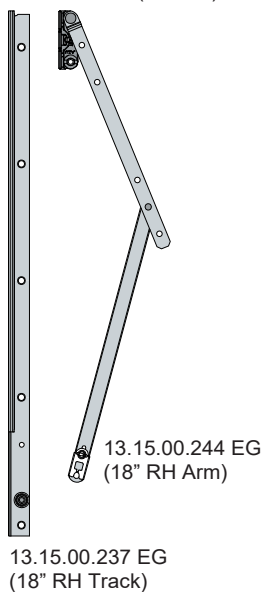
Track and Arm makes
26" RH stay assembly
13.17.00.115 (E-Gard)



Track and Arm makes
18" LH stay assembly
13.15.00.114 (E-Gard)



Track and Arm makes
18" RH stay assembly
13.15.00.115 (E-Gard)



15.00.243 EG
(18" LH Arm)

13.15.00.244 EG
(18" RH Arm)

13.17.00.211 EG
(26" LH Arm)

13.17.00.212 EG
(26" RH Arm)

13.15.00.236 EG
(18" LH Track)

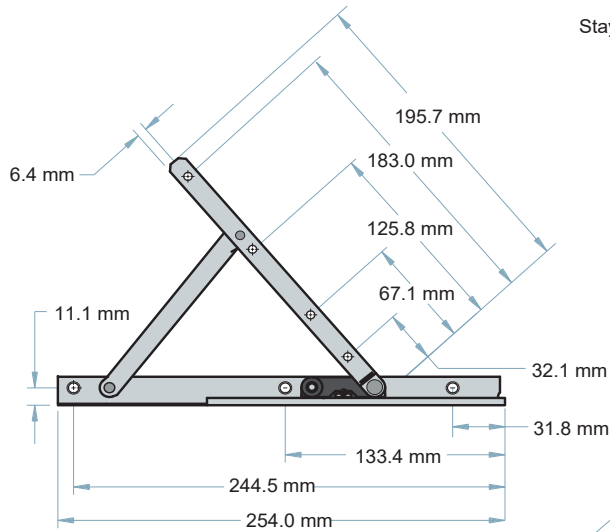
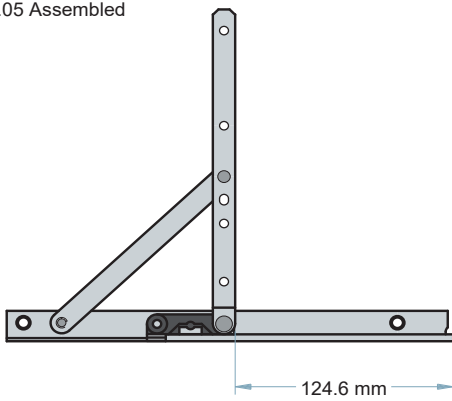
13.15.00.237 EG
(18" RH Track)

13.17.00.216 EG
(26" LH Track)

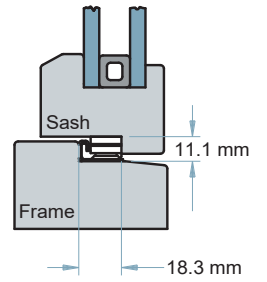
13.17.00.217 EG
(26" RH Track)

14 SERIES: CASEMENT STAYS

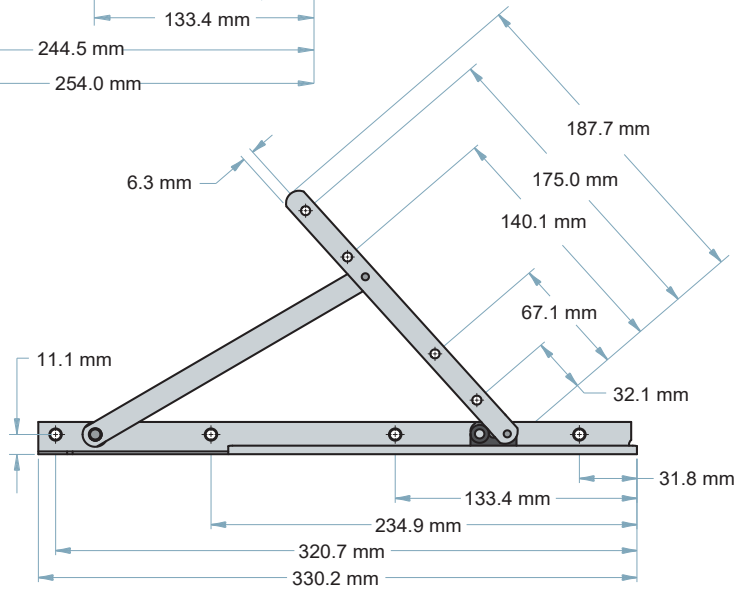
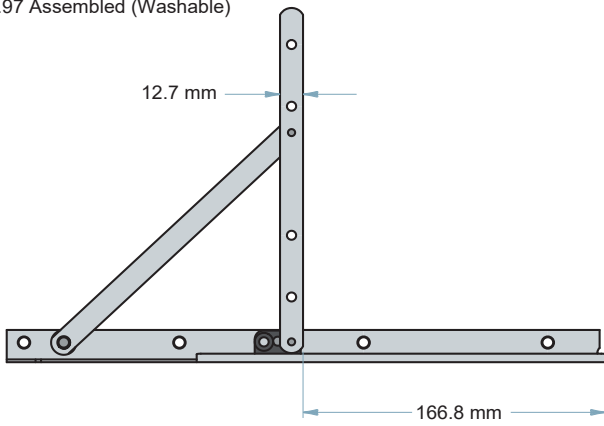
14.05 Assembled



Stay applied to a non-lipped window



14.97 Assembled (Washable)



- Designed to complement Encore® Casement Operators
- Truth 14 series casement stays support sash weights up to 45kg
- 14.05 stays can vent casement windows from 255 mm to 700 mm wide
- 14.97 stays can vent large casement windows from 350 mm up to 1000 mm wide
- 14.97 stays provide washability for easier cleaning from the inside
- Stays have a notched track to clear corner welds in PVC window frames
- A stop feature prevents the window from opening past 90°
- Stainless steel arms available for coastal locations



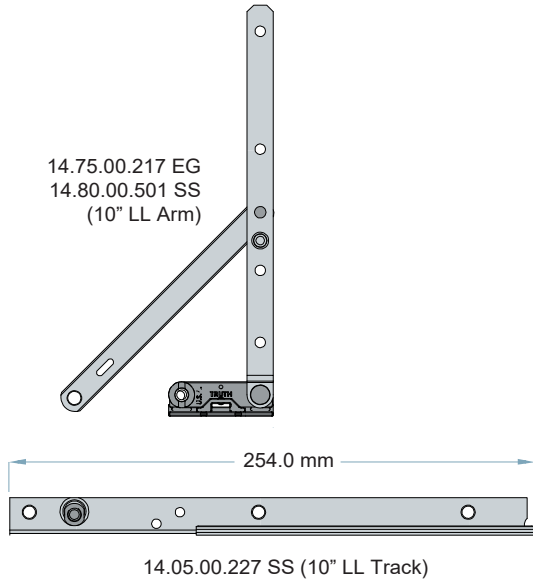
Obsolete code	Handing	Stay length	Track code	Arm code
14.05.00.113*	Lower left (LL)	10" 254.0 mm	14.05.00.227 (St Steel)	14.75.00.217 (E-Gard)
14.05.00.114*	Upper left (UL)	10" 254.0 mm	14.05.00.226 (St Steel)	14.75.00.218 (E-Gard)
14.05.00.501*	Lower left (LL)	10" 254.0 mm	14.05.00.227 (St Steel)	14.80.00.501 (St Steel)
14.05.00.502*	Upper left (UL)	10" 254.0 mm	14.05.00.226 (St Steel)	14.80.00.502 (St Steel)
14.97.00.105*	Lower left (LL)	13" 330.2 mm	14.97.00.001 (St Steel)	14.97.00.103 (E-Gard)
14.97.00.106*	Upper left (UL)	13" 330.2 mm	14.97.00.002 (St Steel)	14.97.00.104 (E-Gard)
14.97.00.505*	Lower left (LL)	13" 330.2 mm	14.97.00.001 (St Steel)	14.97.00.503 (St Steel)
14.97.00.506*	Upper left (UL)	13" 330.2 mm	14.97.00.002 (St Steel)	14.97.00.504 (St Steel)

* Not for use on awning windows

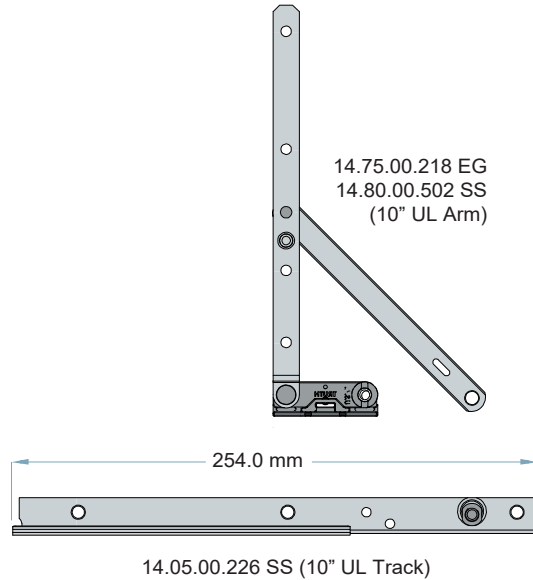
*** Sold as individual tracks and arms - upper and lower left arms to be fitted to sash and upper and lower left tracks fitted to the frame**

14 SERIES: CASEMENT STAYS

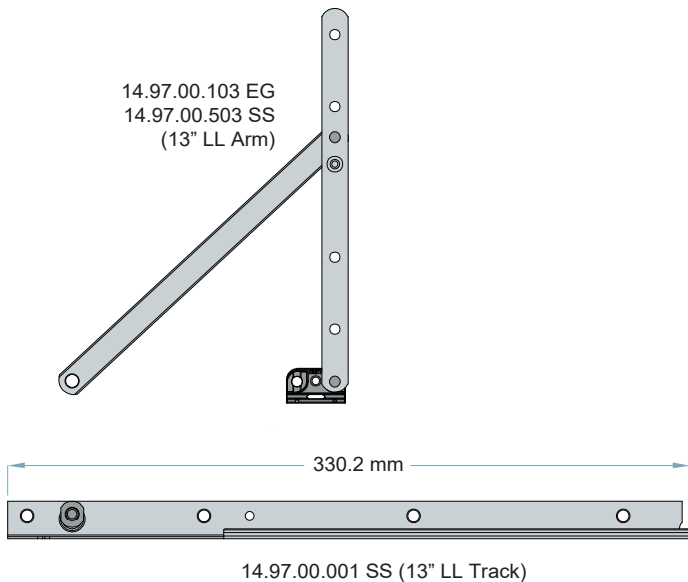
Track and Arm makes
10" LL stay assembly
14.05.00.113 (E-Gard)
14.05.00.501 (St Steel)



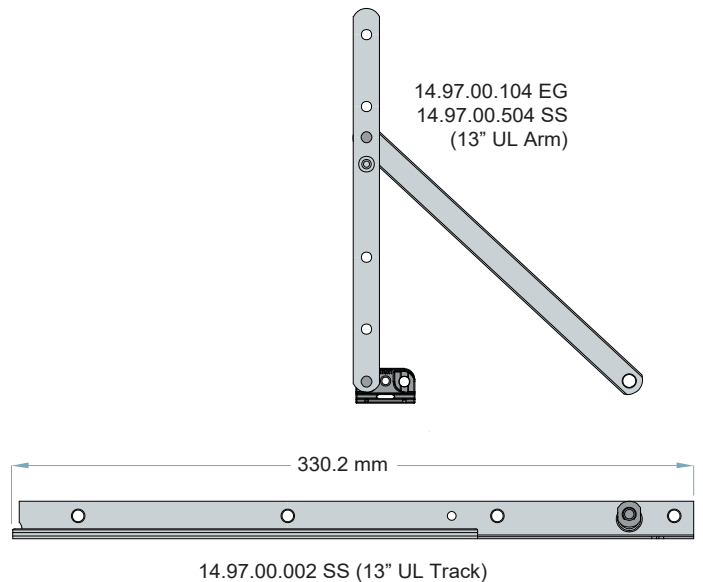
Track and Arm makes
10" UL stay assembly
14.05.00.114 (E-Gard)
14.05.00.502 (St Steel)



Track and Arm makes
13" LL stay assembly
14.97.00.105 (E-Gard)
14.97.00.505 (St Steel)



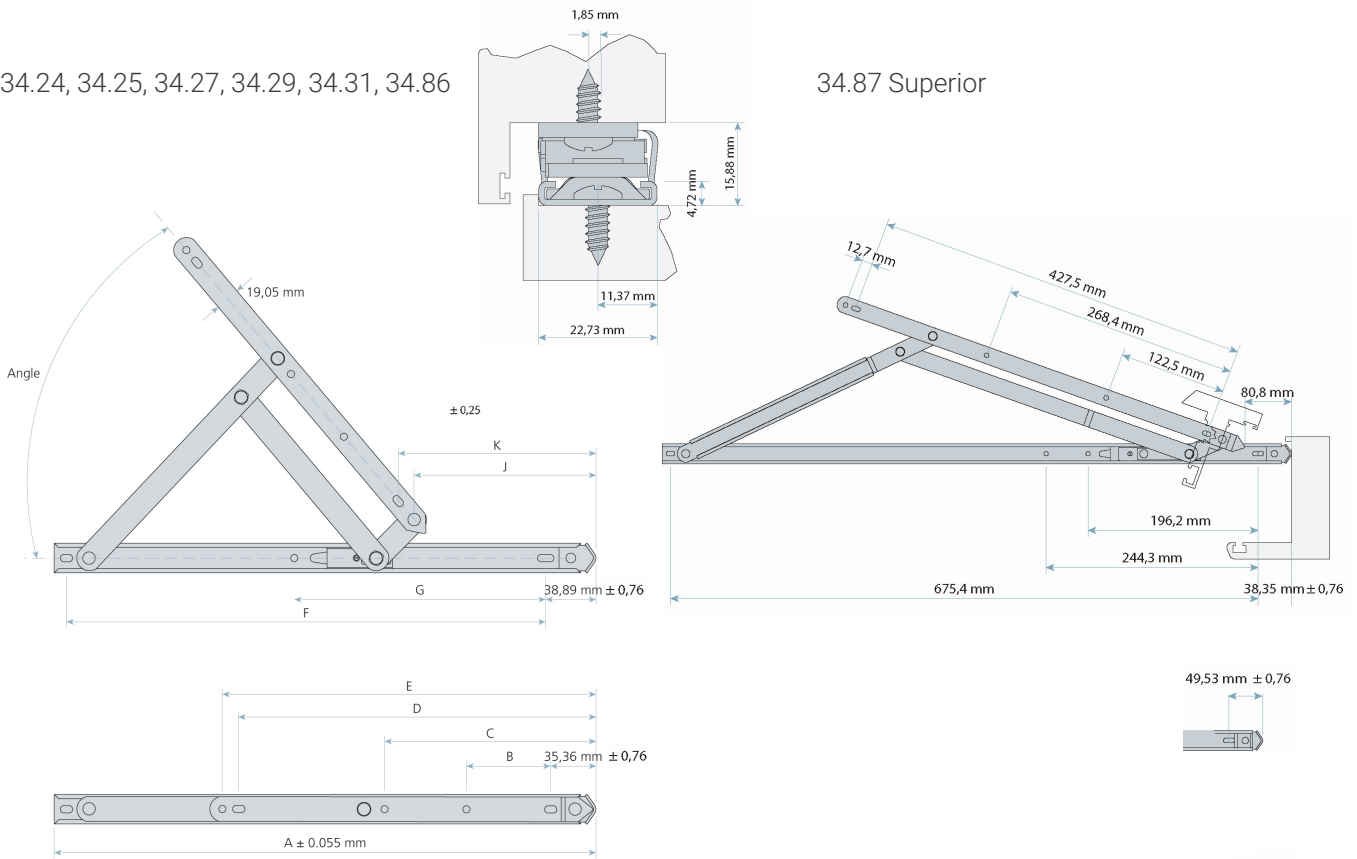
Track and Arm makes
13" UL stay assembly
14.97.00.106 (E-Gard)
14.97.00.506 (St Steel)



34 SERIES: HD AWNING STAY

34.24, 34.25, 34.27, 34.29, 34.31, 34.86

34.87 Superior



- Non-handed 4-bar stay specially designed for awning sashes with a lip on the outside edge
- Heavy duty 4-bar stay suitable for window weights of up to 106 kg and are manufactured with brass shoe
- Superior 4-bar stay suitable for window weights of up to 136 kg
- Designed to be used with the full range of Truth awning operators



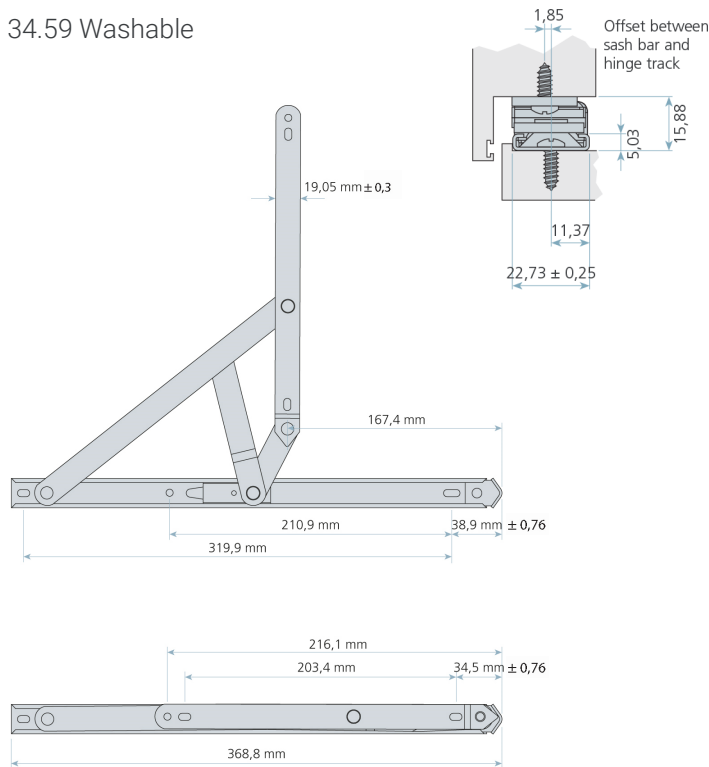
Code	Stay length		Sash height range		Degree of opening (°)	Max. sash weight (kg)	A	B	C	D	E	F	G	H	J	K
	(")	(mm)	Min.	Max.												
34.24.00.208	10"	254	305	508	58	26.4	266.7	NA	NA	165.1	177.8	218.2	161	NA	111.2	119.9
34.25.00.208	12"	305	509	635	52	33	317.5	65	NA	190.5	203.2	269	167.4	NA	114.6	126
34.27.00.208	16"	406	636	864	49	45	419.1	65	128.5	241.3	254	370.6	194.6	NA	140.5	152.9
34.29.00.208	20"	508	738	1016	49	53	520.7	65	179.3	292.1	304.8	472.2	227.8	NA	174.2	186.7
34.31.00.208	24"	610	1017	1118	45	58.6	622.3	65	230.1	342.9	355.6	573.8	230.1	NA	175.3	189
34.86.00.208	28"	723.9	1119	1626	40	106	723.9	65	280.9	393.7	406.4	675.4	243.6	NA	186.9	201.4
34.87.00.200	28"	723.9	1627	2210	20	136										

* 16 mm stack height

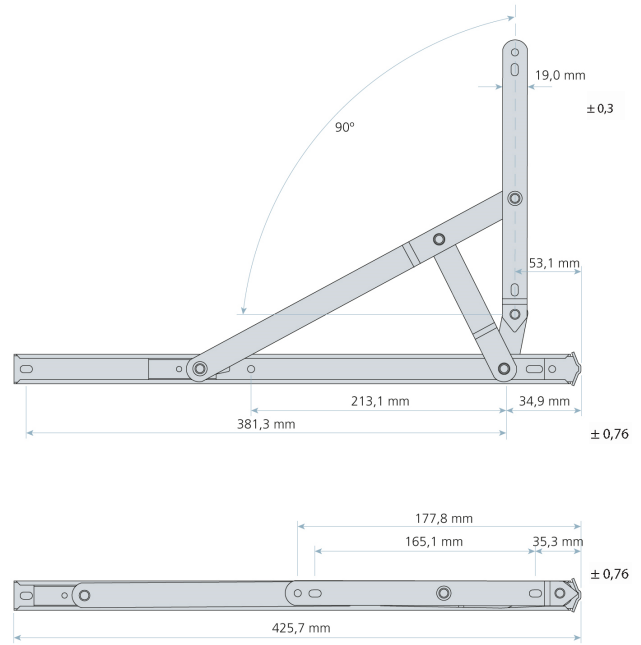
* Non handed (sold individually - not in pairs)

34-35 SERIES: HD CASEMENT STAY

34.59 Washable



35.12 Egress



- Heavy duty stainless steel 4-bar stays
- Provides up to 90° opening for easier cleaning from the inside
- These non-handed, 4-bar stays are designed to project the casement sash out as it pivots to avoid interference between a lipped sash and frame
- For 35.12 only, when fully opened, the sash is positioned close to the side jamb to allow an average sized person the ability to escape through the window opening in case of emergency (depending on sash size)



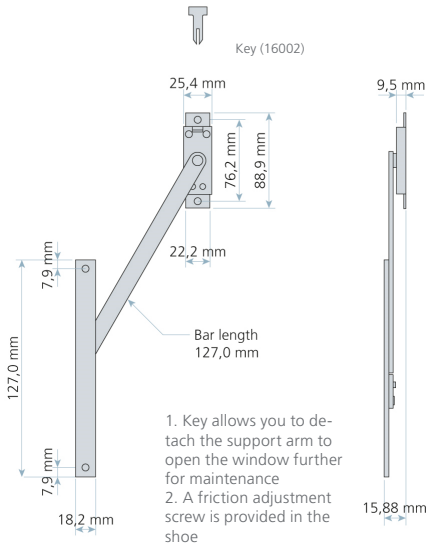
Code	Hinge length		Sash width range		Degree of opening (°)	Max. sash weight (kg)
	(")	(mm)	Min. (mm)	Max. (mm)		
34.59.00.208	14	368	370	914	90	54.4
35.12.00.200 Egress	16	426	460	813	90	79.3

* 16 mm stack height

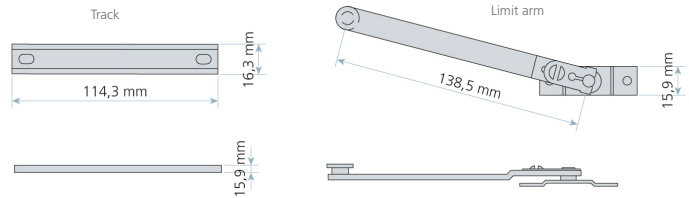
* Non handed (sold individually - not in pairs)

SASH CONTROL DEVICES: LIMIT DEVICES

37.26 Limit Device with Key Release



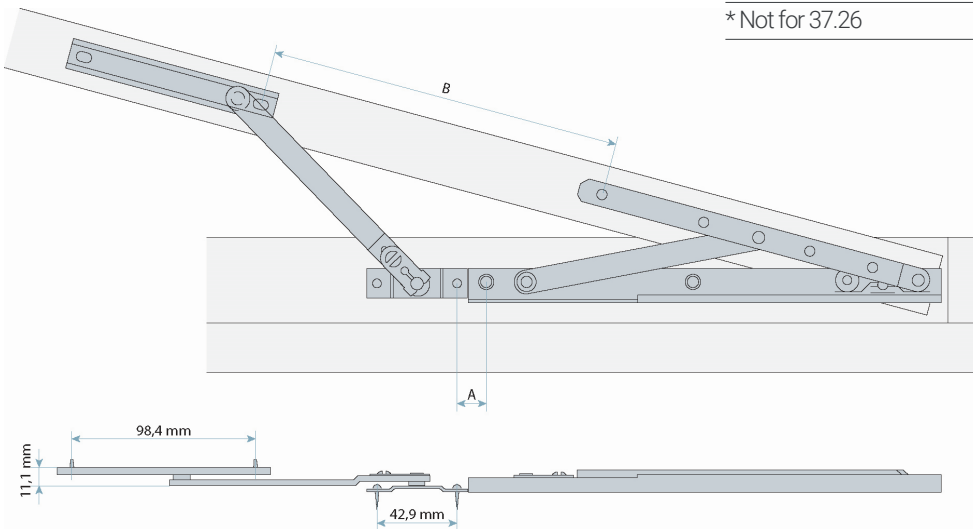
99.20, 99.24 Limit Device



Hinge	Angle (°)	Opening (mm)	
		A	B
10"	5	155.6	360.4
10"	10	15.9	212.7
10"	15	15.9	194.5
10"	20	15.9	168.3
13"	5	155.6	362.0
13"	10	15.9	288.1
13"	15	15.9	258.0
13"	20	15.9	211.2

* Not for 37.26

Application of Limit Device



- When properly installed and operated, the limit device will help prevent damage to casement and awning windows under high winds in high-rise applications
- Two different methods of disconnecting the limit device from the sash for cleaning purposes: either by inserting a key, or by operating the detach clip

Code	Description	Track length (mm)	Arm length (mm)
37.26.00.200	Limit device with key release (LIMIT DEV, FA220SS, 5"TK 5" B)	127	127
99.20.00.001	Limit device (LIMIT STOP, DEV W/SCREWS CB)	114.3	138.5
99.24.00.100	Limit device stainless steel (LIMIT STOP, DEV SS NO-SCREWS)	114.3	138.5

DOUBLE HUNG LOCKS:

Code	Description	Colour
17.38.02.100	Trimline Cam Lock (Non-keyed)	Black
17.50.02.100	Trimline Cam Lock (Keyed)	Black
40904.02	Top Mount Keeper	Black



Balance Systems

Hardware

Truth Hardware

Giesse

ERA

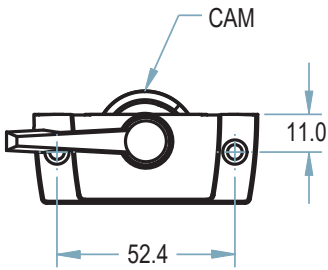
Pile Seals

Bristle Brush

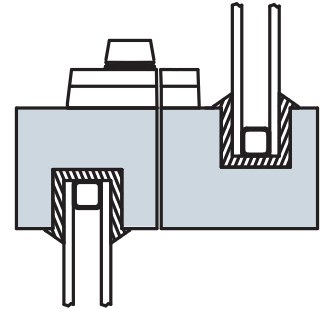
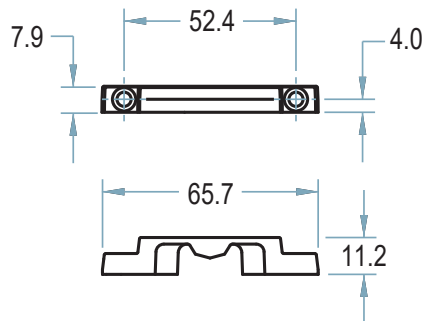
Foam Seals

Four seasons

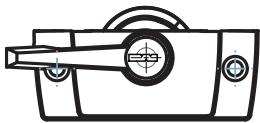
17.38 Non-keyed



40904 Top mount keeper

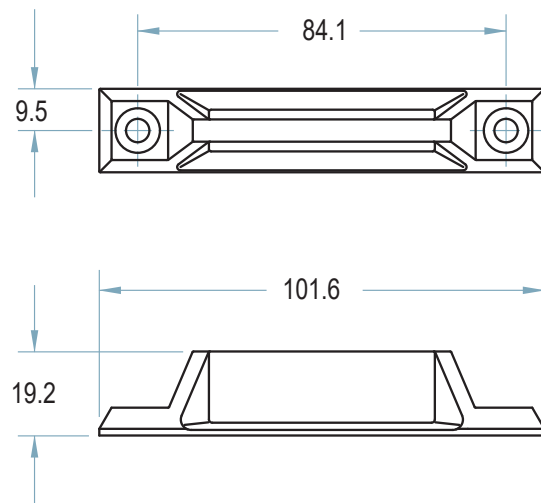
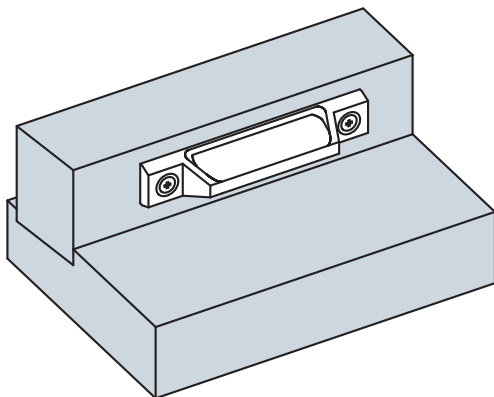


17.50 Keyed lock



DOUBLE HUNG SASH LIFT:

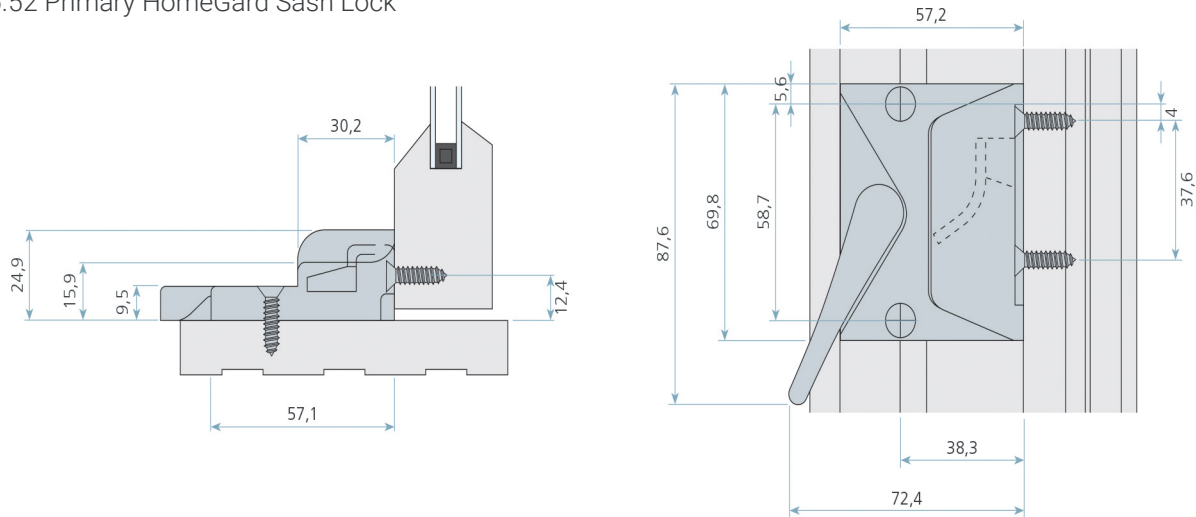
Code	Description	Colour
18.10.01.100	Sash Lift	Silver
18.10.02.100	Sash Lift	Black
18.10.32.100	Sash Lift	White



HOMEGARD SASH LOCKS: SECURITY AND PERFORMANCE

HomeGard Sash Locks are a perfect low-profile lock option for windows with smaller side stops. Featuring 15.8 mm pull-in, HomeGard locks offer a strong detent which consistently provides a more secure feel during lock up. HomeGard locks can withstand negative air pressure of 125 kg per lock.

16.52 Primary HomeGard Sash Lock



- A strong detent at fully locked and unlocked positions provide the homeowner with a consistent feeling of security
- Superior aesthetics and increased weathertightness
- 15.8 mm reach-out for maximum pull-in of the sash
- Capable of tandem locking when dual locking is required and the HomeGard Secondary Lock and tie bar are used
- High-quality finish – multi-stage coating process that produces a superior physical and aesthetic finish
- High-pressure die-cast zinc locking handle and case with galvanized steel back plate
- Fully operable with fly screens

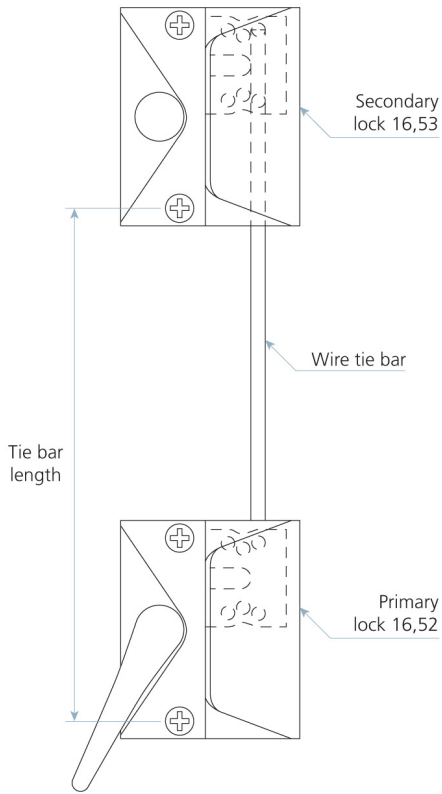
Primary Lock

Code	Description	Colour
16.52.01.300	HomeGard Primary Sash Lock	Aluminium
16.52.02.300	HomeGard Primary Sash Lock	Black
16.52.32.300	HomeGard Primary Sash Lock	White

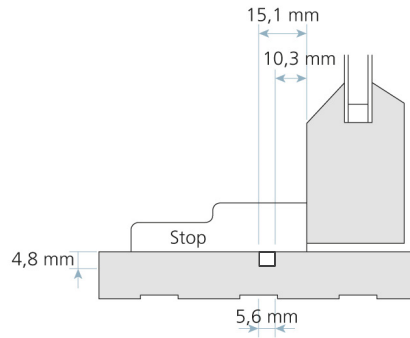
* Please enquire for other colours and availability



16.53 Secondary HomeGard Sash Lock



Route profile for wire tie bar cavity



Secondary Lock Tie Bar

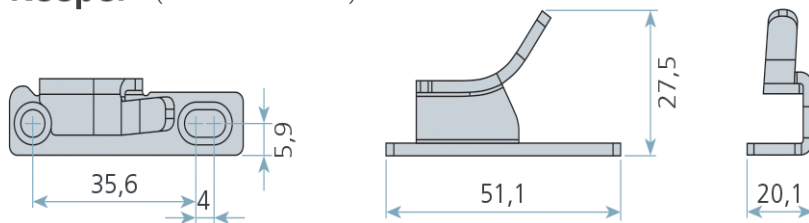
Code	Description
32760	Wire Tie Bar Round 516 mm (20.3") formed 1 end
31847	Wire Tie Bar Galvanised 610 mm (24") formed both ends

Secondary Lock

Code	Description	Colour
16.53.01.300	HomeGard Secondary Sash Lock	Aluminium
16.53.02.300	HomeGard Secondary Sash Lock	Black
16.53.32.300	HomeGard Secondary Sash Lock	White

* Please enquire for other colours and availability

Keeper (left hand shown)



Keepers

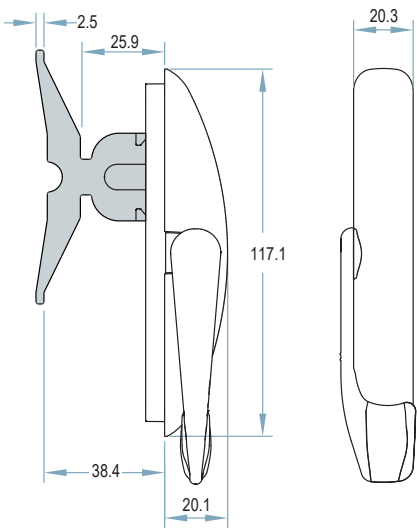
Code	Description	Colour
41268.92	Keeper Left Hand	E-Gard
41269.92	Keeper Right Hand	E-Gard

MAXIM AND MAXIM LP SASH LOCKS: SINGLE-POINT AND MULTI-POINT

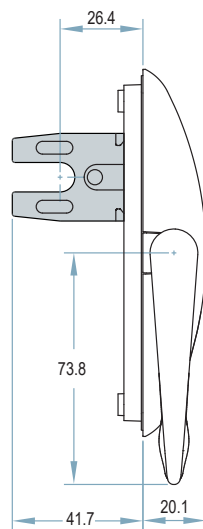
Solid and secure locking for aluminium and PVC window systems. With multi-point for casement and single-point for awning or casements, this advanced locking system complements Encore Operators.

- Non-handed sash lock design – order and stock just one lock for both left and right-hand windows
- Reduced installation time – quick and easy lock-to-tie bar attachment and simple one-piece lock support plates
- Tie bar guides locate the tie bars in two directions for consistent and efficient application
- 16 mm of reach out/pull-in capability, the window can be locked without being completely closed
- High pressure zinc die-cast handle, case, and sliders
- Protect against air, water, and light infiltration
- Fully operable with fly screens

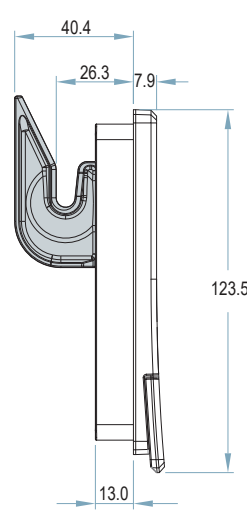
24.32 Single-point



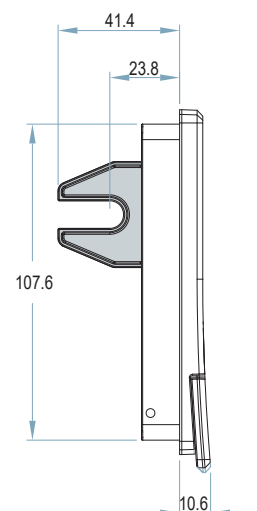
24.33 Multi-point



24.40 LP Single-point



24.42 LP Multi-point



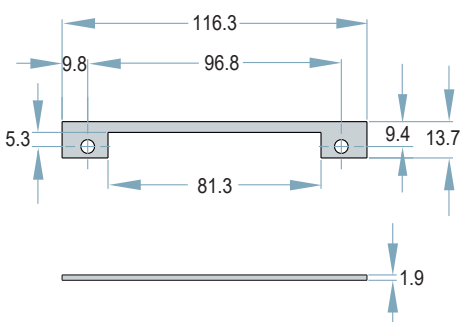
Code	Description	Colour
24.32.01.008	Maxim Single-point Lock	Aluminium
24.32.02.008	Maxim Single-point Lock	Black
24.32.32.008	Maxim Single-point Lock	White

Code	Description	Colour
24.40.01.001	Maxim LP Single-point Lock	Aluminium
24.40.02.001	Maxim LP Single-point Lock	Black
24.40.32.001	Maxim LP Single-point Lock	White

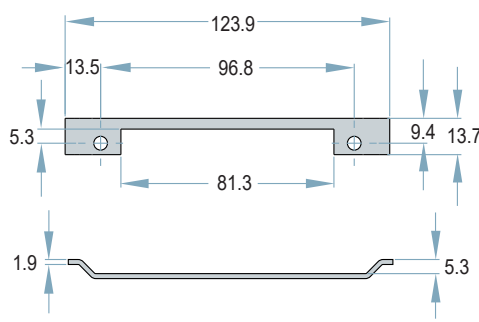
24.33.01.004	Maxim Multi-point Lock	Aluminium
24.33.02.004	Maxim Multi-point Lock	Black
24.33.32.004	Maxim Multi-point Lock	White

24.42.01.001	Maxim LP Multi-point Lock	Aluminium
24.42.02.001	Maxim LP Multi-point Lock	Black
24.42.32.001	Maxim LP Multi-point Lock	White

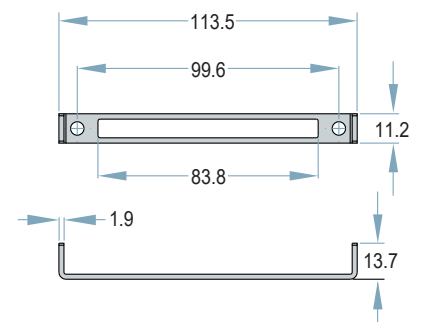
21600.92 Support Plate



23050.92 Offset Support Plate

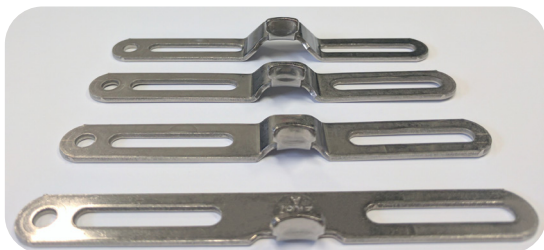
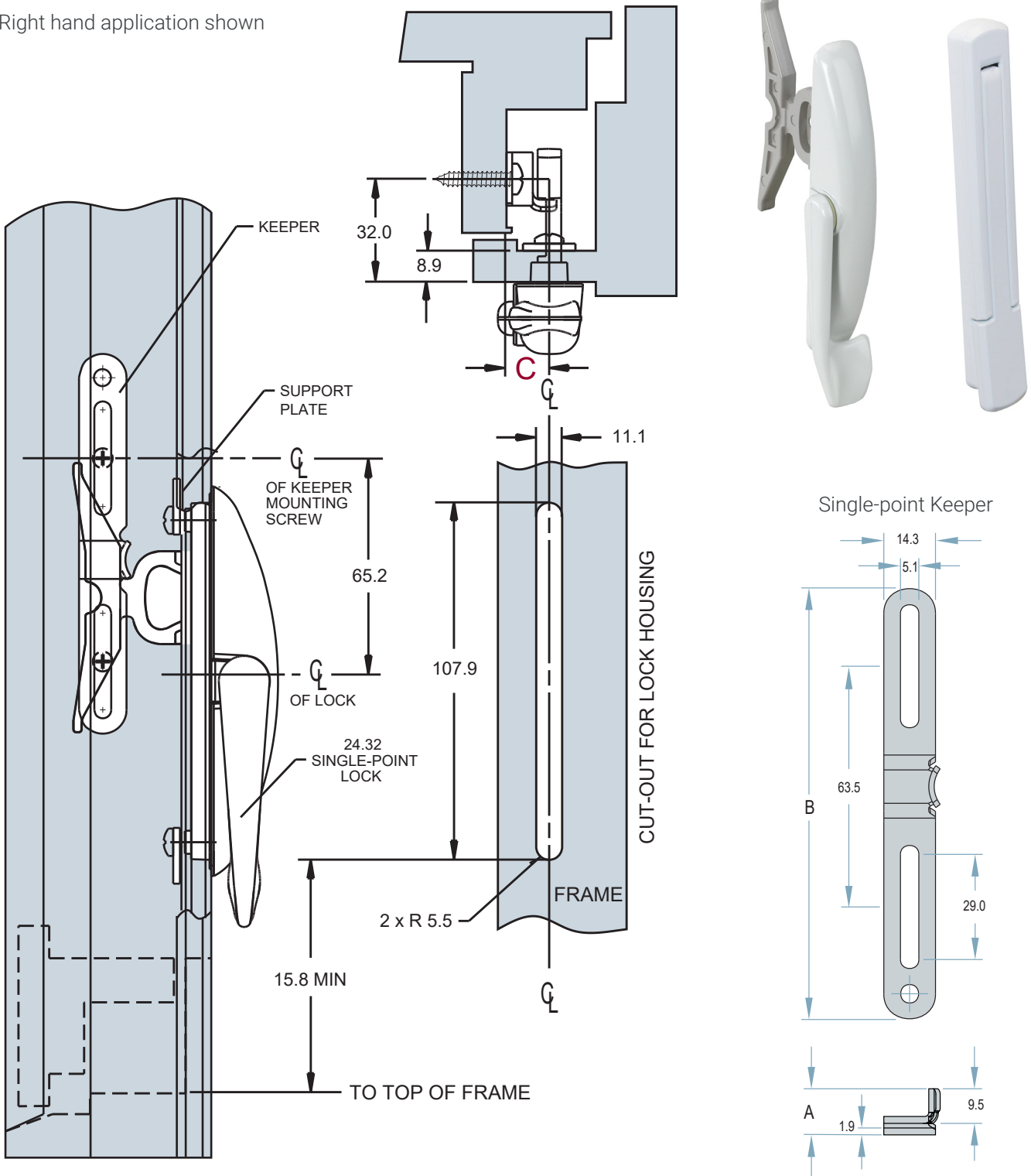


33943 Maxim LP Support Plate



MAXIM SINGLE-POINT LOCKS:

Right hand application shown

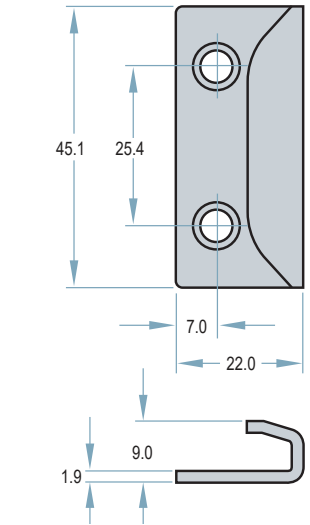
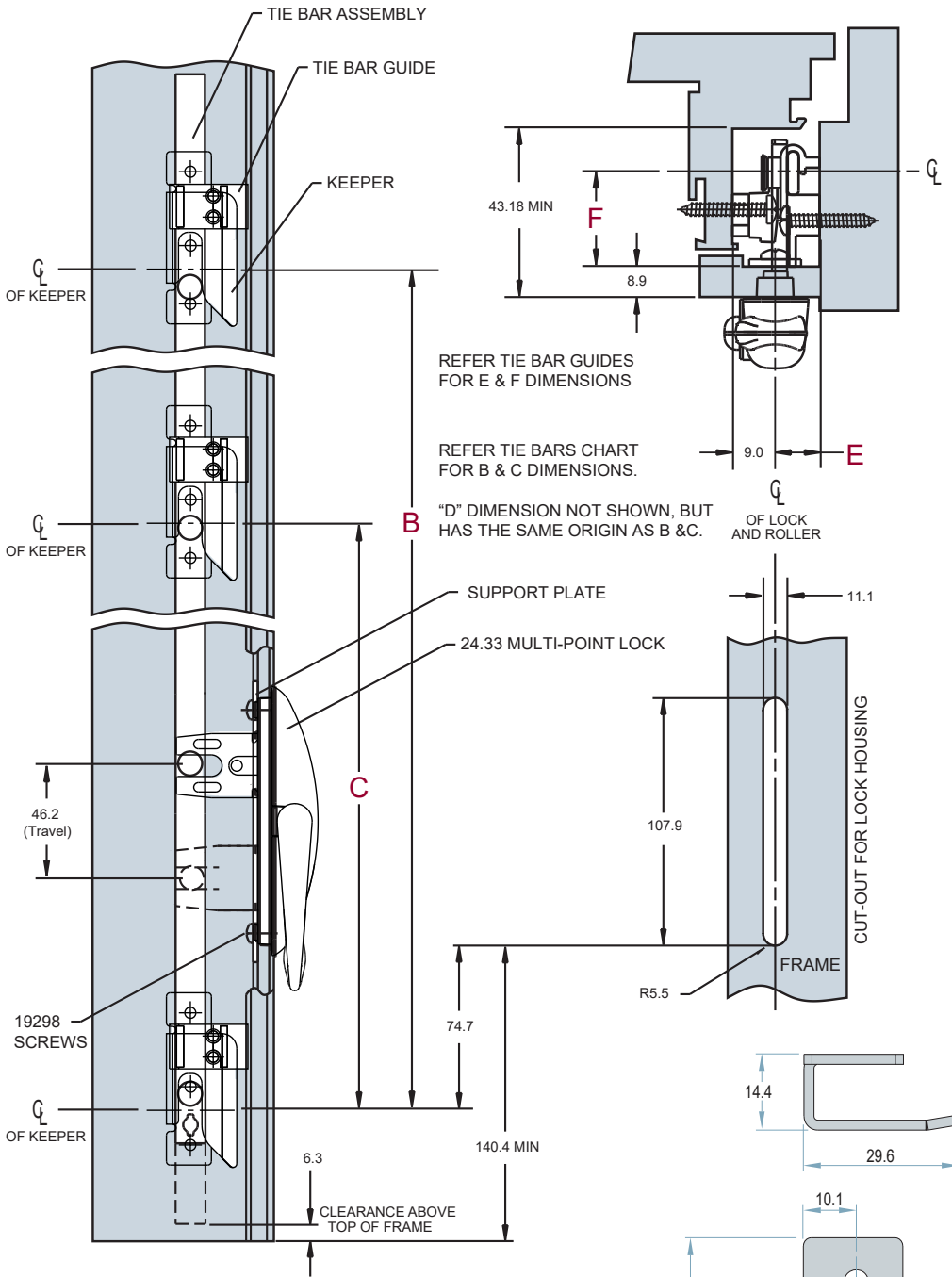


Code	Description	A (mm)	B (mm)	C (mm)
21087	Single-point Keeper SS	9.5	120.3	6.4
21088	Single-point Keeper SS	12.7	118.0	9.5
21089	Single-point Keeper SS	14.3	116.7	11.1
21325	Single-point Keeper SS	17.5	118.0	14.4

MAXIM MULTI-POINT LOCKS: CASEMENT WINDOWS

Right hand application shown

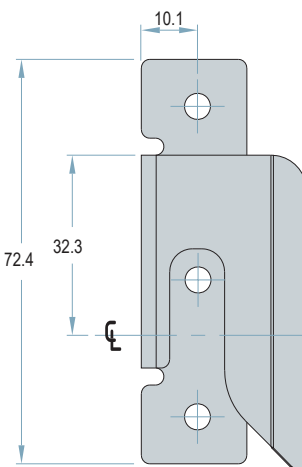
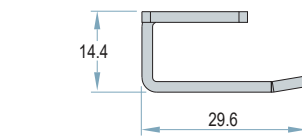
31964 Non-handed Keeper



Code	Description
31964.92	Keeper E-Gard
31964.00.0500	Keeper SS



Code	Description
42101.92	Multi-point Keeper Left-hand E-Gard
42102.92	Multi-point Keeper Right-hand E-Gard
42101.00.0500	Multi-point Keeper Left-hand SS
42102.00.0500	Multi-point Keeper Right-hand SS



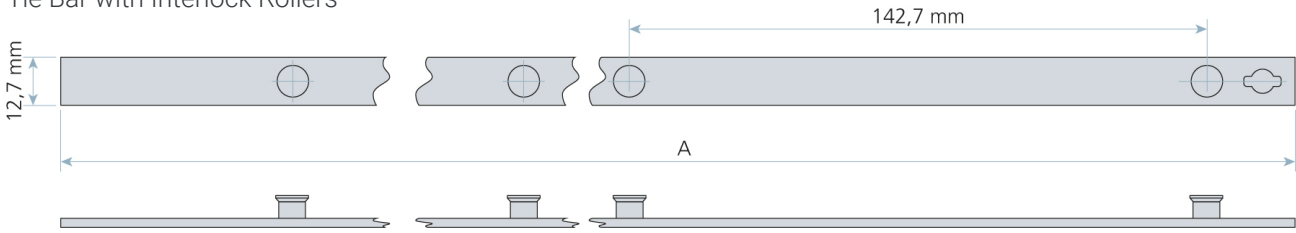
42101 LH Keeper

42102 RH Keeper

Balance Systems
Schlegel Hardware
Truth Hardware
Giese
ERA
Pile Seals
Bristle Brush
Foam Seals
Four Seasons

MAXIM MULTI-POINT LOCKS: TIE BARS AND TIE BAR GUIDES

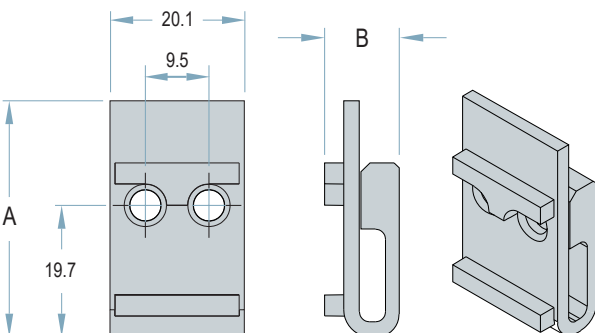
Tie Bar with Interlock Rollers



Code	Description	Frame Size min (mm)	Tie Bar Length		Refer Assembly Detail for B, C and D		
			A (mm)	B (mm)	C (mm)	D (mm)	
11902.92	2 Rollers (18.9") MP+14580 E-Gard	634.9	479.9				N/A
11905	2 Rollers (30.9") MP+14597 SS	939.8	784.9	685.8	355.6		N/A
11905.92	2 Rollers (30.9") MP+14597 E-Gard	939.8	784.9	685.8	355.6		N/A
11906	2 Rollers (34.9") MP+14617 SS	1041.4	886.5	787.4	406.4		N/A
11906.92	2 Rollers (34.9") MP+14617 E-Gard	1041.4	886.5	787.4	406.4		N/A
11907	2 Rollers (38.9") MP+14619 SS	1143.0	988.1	889.0	457.2		N/A
11907.92	2 Rollers (38.9") MP+14619 E-Gard	1143.0	988.1	889.0	457.2		N/A
11908	2 Rollers (42.9") MP+14621 SS	1244.6	1089.7	990.6	508.0		N/A
11908.92	2 Rollers (42.9") MP+14621 E-Gard	1244.6	1089.7	990.6	508.0		N/A
11918.92	3 Rollers (42.9") MP+14599 E-Gard	1244.6	1089.7	990.6	508.0		N/A
11920	3 Rollers (50.9") MP+14601 SS	1477.8	1292.9	1193.8	609.6		N/A
11920.92	3 Rollers (50.9") MP+14601 E-Gard	1477.8	1292.9	1193.8	609.6		N/A
11922	3 Rollers (58.9") MP+14603 SS	1651.0	1496.1	1397.0	711.2		N/A
11922.92	3 Rollers (58.9") MP+14603 E-Gard	1651.0	1496.1	1397.0	711.2		N/A
11945	4 Rollers (62.9") MP+14604 SS	1752.6	1597.6	1498.6	1004.8	502.4	
11945.92	4 Rollers (62.9") MP+14604 E-Gard	1752.6	1597.6	1498.6	1004.8	502.4	
11946.92	4 Rollers (66.9") MP+14605 E-Gard	1854.2	1699.2	1600.2	1072.3	536.1	
11947	4 Rollers (66.9") MP+14636 SS	1955.8	1800.8	1701.8	1140.2	570.2	
11947.92	4 Rollers (66.9") MP+14636 E-Gard	1955.8	1800.8	1701.8	1140.2	570.2	

Note: B & C dimensions give sequential and progressive locking starting with the bottom lock point

Tie Bar Guides

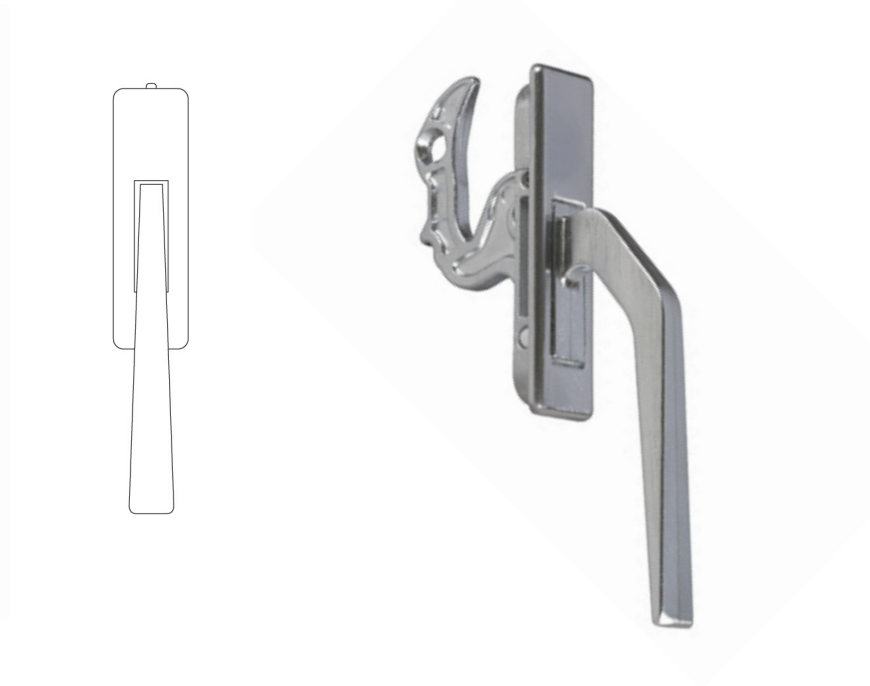
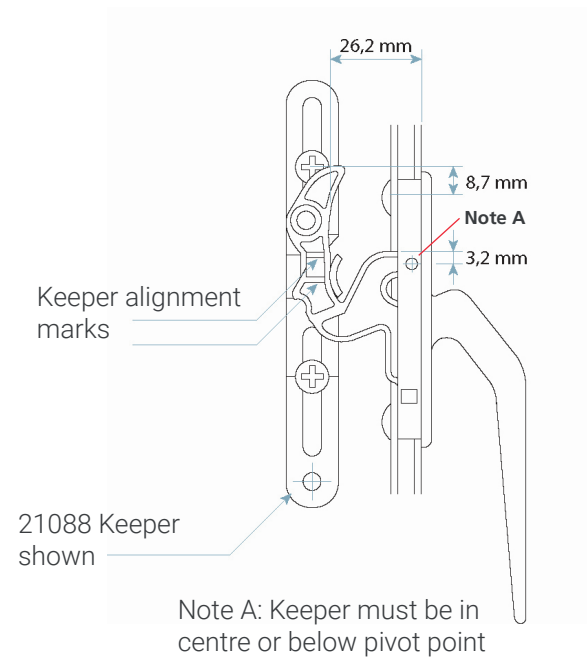


Code	Description	A (mm)	B (mm)	E (mm)	F (mm)
40847	Tie Bar Guide (24737)	34.16	8.86	9.80	26.59
40910	Tie Bar Guide (24739)	29.67	12.07	12.75	22.10
31374	Tie Bar Guide (24731)	32.97	13.00	13.69	25.40

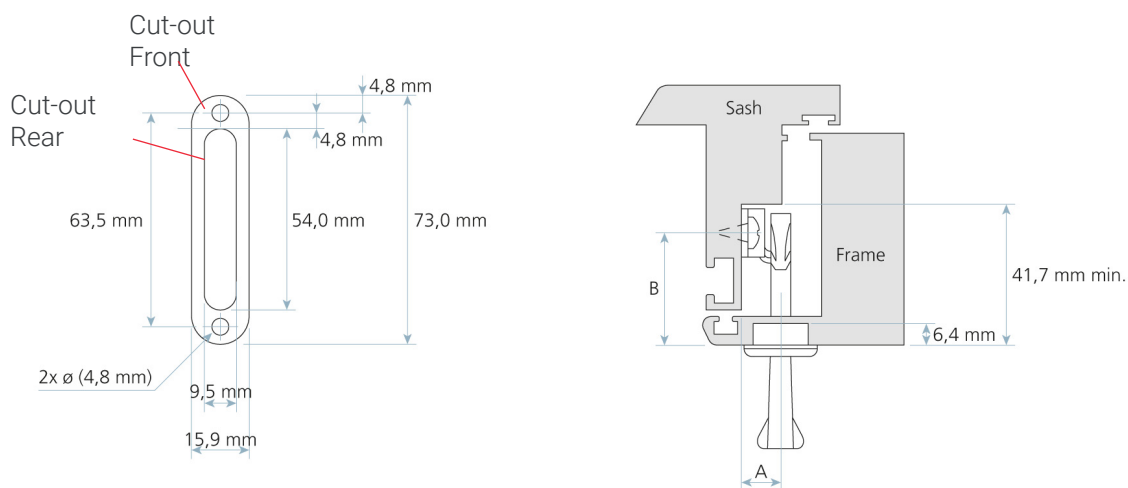
LOCKING HANDLES:

SECURITY AND PERFORMANCE

24.25 Double Detent Handle (rear mounted)



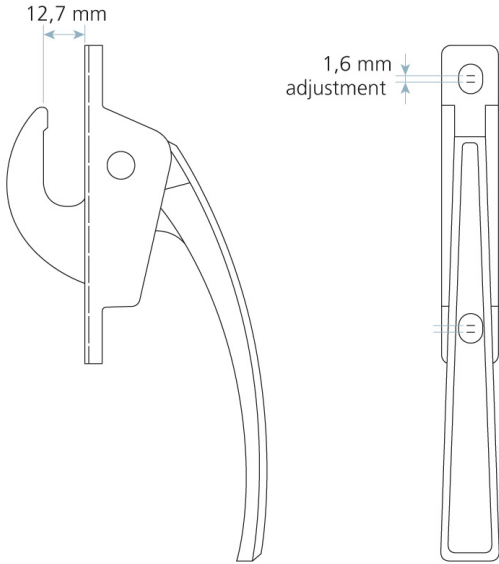
Application of rear mounted 24.25 locking handle



Code	Description	Colour
24.25.01.400	Double detent locking handle	Aluminium
24.25.02.400	Double detent locking handle	Black
24.25.32.400	Double detent locking handle	White

* Double detent locking handle is tie bar compatible

24.11 Single Locking Handle

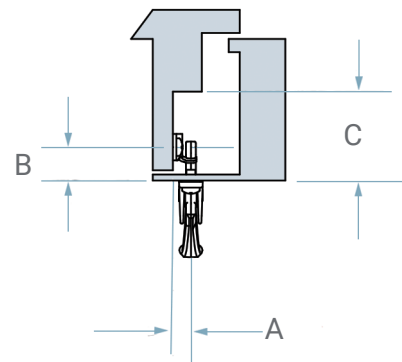


Code	Description	Colour
24.11.01.201	Single locking handle	Aluminium
24.11.02.200	Single locking handle	Black
24.11.32.200	Single locking handle	White



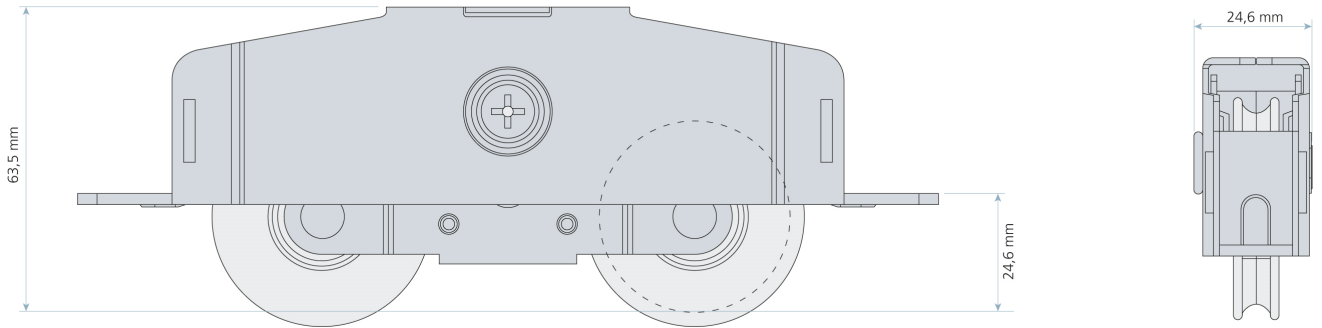
Code	Description	A (mm)	B (mm)	C (mm)
21087	Keeper	6.4	18.3	21.4
21088	Keeper	9.5	18.3	21.4
21089	Keeper	11.1	18.3	21.4

21087 Keeper shown



38 SERIES TANDEM ROLLER: APPLICATIONS UP TO 315 KG

This adjustable sliding roller with standard mounting tabs is suitable for loads of up to 315 kg.



- Adjustable from one side, equipped with full race, permanently lubricated ball bearings that are labyrinth shielded to resist contamination by dust and moisture
- AmesburyTruth manufacture their own high quality radial ball bearings
- Bearing raceways are machined from solid steel bar stock on cutting edge machines, then heat treated for wear resistance
- Quick and easy to install, trouble free
- The case carrier and support brackets are cold-rolled steel
- Ball bearing wheels in stainless steel

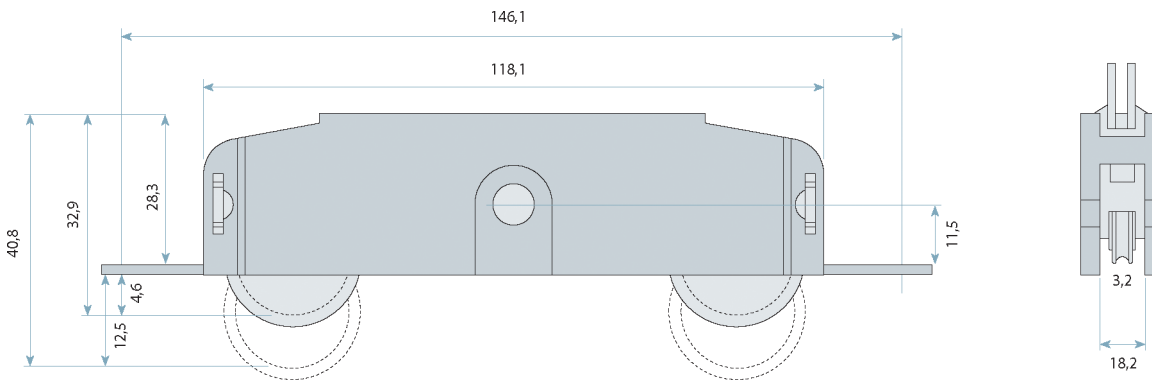


Code	Description	Door Weight
38.09.00.151	Stainless steel (ROL, SWWDG, 1.81PR SS/ROLLER, SWWDG, 1.81 PREC SST)	315 kg

39 SERIES TANDEM ROLLERS:

APPLICATIONS UP TO 182 KG

This adjustable sliding roller with standard mounting tabs is suitable for loads of up to 182 kg.



- Adjustable from both sides, equipped with full race, permanently lubricated ball bearings that are labyrinth shielded to resist contamination by dust and moisture
- AmesburyTruth manufacture their own high quality radial ball bearings
- Ball bearing wheels in steel with nylon or steel tyres
- Bearing raceways are machined from solid steel bar stock on cutting edge machines, then heat treated for wear resistance
- Plated for corrosion resistance
- Quick and easy to install, trouble free
- The case carrier and support brackets are cold-rolled steel
- High pressure die-cast zinc gear mechanisms resist corrosion



Code	Description	Door Weight
39.10.00.203	Steel case and carrier, steel wheel, standard mounting tab	182 kg
39.11.00.203	Steel case and carrier, nylon wheel, standard mounting tab	114 kg

SEALING SYSTEMS

FOR ALUMINIUM, TIMBER AND PVC WINDOWS AND DOORS

Under EN 12365 2003 there is a prescribed classification system that enables window, door, shutter and curtain walling manufacturers or installers to ensure that they are using the component that best meets their requirements.

The methodology for the linear compression test, the deflection recovery test and the recovery after ageing test are all described in EN 12365 2003 parts 2, 3 and 4. All testing should be carried out by an accredited test facility. The testing facilities at Tyman International in Hamburg are accredited by ift Rosenheim.



Year
Guarantee

PILE SEALS	62-69
POLY-BOND (PB)	66
FIN-SEAL (PBF)	67
TIMBER SEAL (TS) / TIMBER FIN-SEAL (TFS)	68
SKIRTING SEAL	69
BRISTLE BRUSH	70-71
BRISTLE BRUSH CARRIERS	71
ROLLER DOOR SEAL	71
FOAM SEALS	72-91
INTRODUCTION	72-77
QLON FOR ALUMINIUM APPLICATIONS	78-81
QLON FOR TIMBER APPLICATIONS	82-85
QLON FOR PVC APPLICATIONS	86-87
QLON FOR UNIVERSAL SURFACE FITTING	88-89
ADDITIONAL SEALS	90-91
FOUR SEASONS	92-97
WINSTORM DOOR SILL	93
FS DOOR SEALS	94-95
DAMP SEAL	96
GLASS CLIP EDGE	97



Balance
Systems

Schlegel
Hardware

Truth
Hardware

Giesse

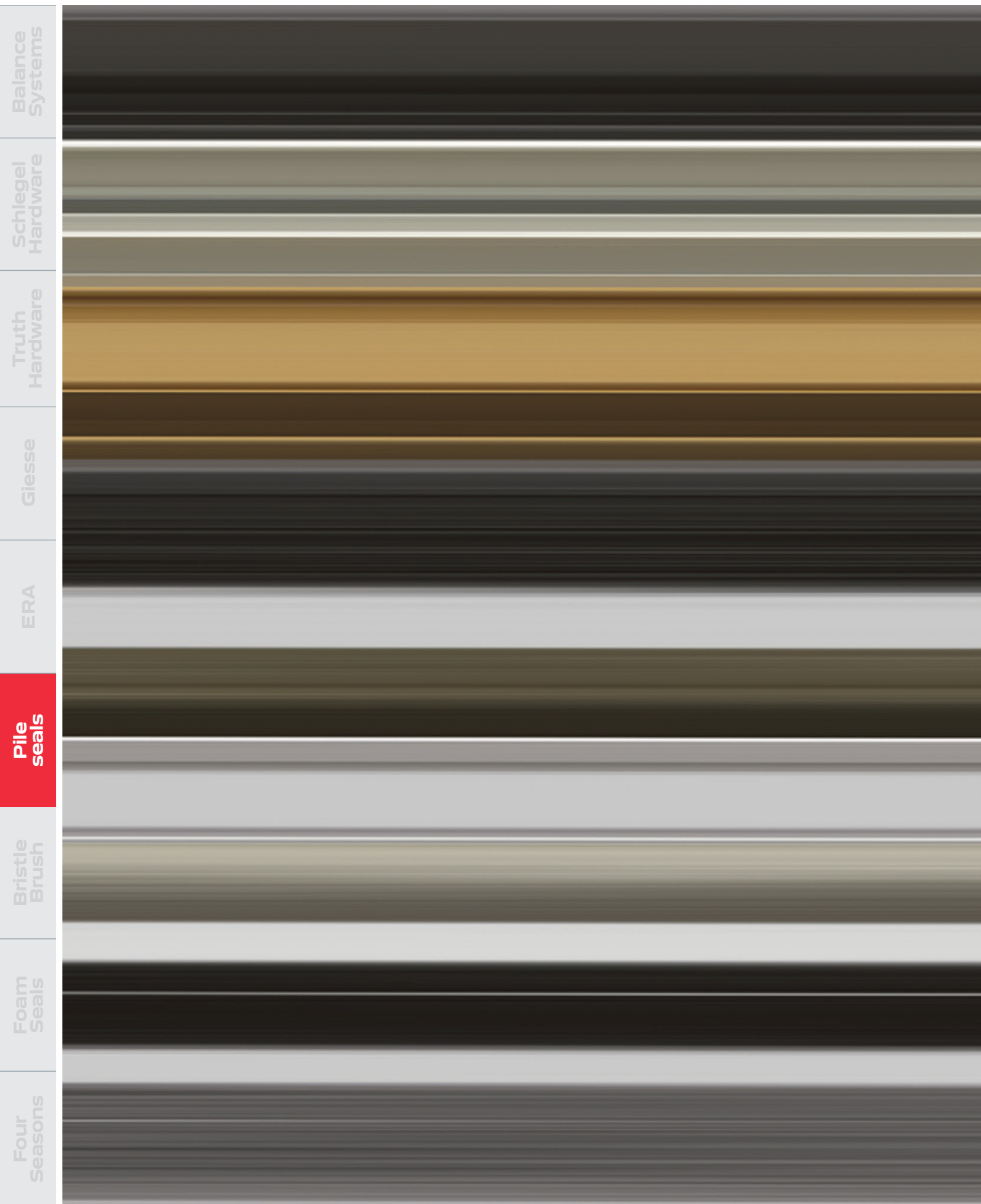
ERA

**Pile
seals**

Bristle
Brush

Foam
Seals

Four
seasons



Balance Systems

Schlegel Hardware

Truth Hardware

Giesse

ERA

Pile seals

Bristle Brush

Foam Seals

Four Seasons

PILE SEALS: EFFECTIVE FLEXIBLE SEALING

Tyman International are known for providing high quality GIESSE and ERA hardware and SCHLEGEL sealing products for all types of windows and doors on the residential, commercial and industrial fronts. We have a long history of manufacturing an extensive range of woven pile seals and extruded sealing profiles with pile for application in the fenestration industry, window covering business, interior design and other areas. Pile fibres move independently and are flexible, they seal perfectly against moving elements and also uneven surfaces.



Early in the previous century, pile weather strips were developed for use in revolving doors. The first types were made from wool with a cotton backing (so-called wool pile). In recent years, demands regarding draught proofing and durability in the building industry have increased, and the products developed accordingly.

Schlegel pile seals are made from polypropylene (PP) and come with numerous options:

- Available in many different widths and heights
- Reinforced woven backing
- With optional adhesive backing
- PP yarn treated with silicone to resist water, mould and mildew
- Different densities depending on seal type, width and mounting distance
- Standard soft multifilament yarn
- Heat set for recovery after compression
- UV stable and chemically inert
- Excellent resistance to abrasion and static build-up and low friction for improved sliding performance
- Optional central fins for additional draught proofing

Our products are manufactured to meet the requirements of our many international customers in different industries. We use a Quality Management System registered and certified to norm ISO 9001:2015 and an Environmental Management System to ISO 14001:2015.

We invite you to browse through our range in this brochure or on our website, where you can use our product filter to find the right draught excluder for you. Please contact us for any further information or specific requirements.

Tested and certified by:



Balance
Systems

Schlegel
Hardware

Truth
Hardware

Giesse

ERA

Pile
seals

Bristle
Brush

Foam
Seals

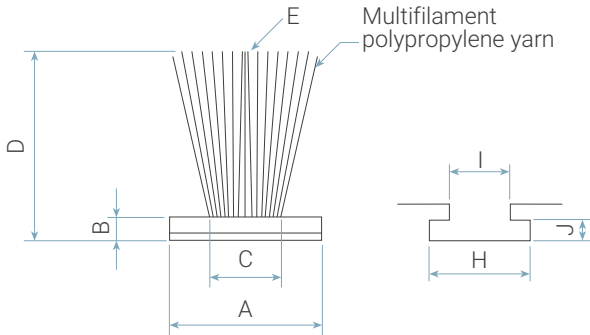
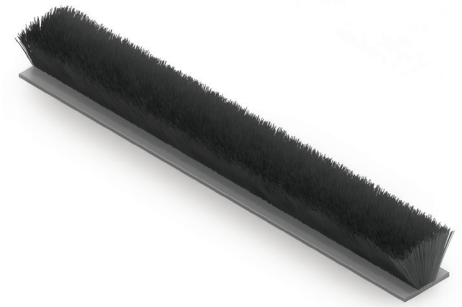
Four
seasons

POLY-BOND (PB): WOVEN PILE SEALS

Soft silicone treated multifilament pile yarn on a woven reinforced translucent backing for all common economy sealing applications.

Recommended compression:

- Pile height from 3.0 to 5.0 mm: 5% to 10%
- Pile height from 5.5 to 6.5 mm: 10% to 20%
- Pile height from 7.0 mm and above: 15% to 25%


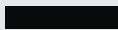


T-SLOT DIMENSIONS

	4.8	6.9
(H)	5.3	7.7
(I)	3.2	3.2
(J)	1.3	1.3

Minimum clearance recommended: +0.5 mm of backing width chosen

TECHNICAL SPECIFICATION (PB)

STANDARD SOLUTIONS				
(A)	(B)	(C)	(D)	(E)
Backing width*	Backing thickness	Pile base width	Pile height	Pile density (P)
4.8 +0.10/-0.15 mm	0.8 ± 0.15 mm	2.4 ± 0.3 mm	D ≤ 6.5 mm (+0.25/-0.15 mm) with 0.5 mm intervals	3P
6.9 +0.10/-0.20 mm			D ≤ 10.0 mm (+4%/-2.5%) with 1.0 mm intervals	4P
Multifilament pile yarn colours (≈ RAL)				
7045		9005		
				
Grey		Black		

Product Code	Base Width A (mm)	Pile Height D (mm)	Colour	Roll Length (m)	Product Code	Base Width A (mm)	Pile Height D (mm)	Colour	Roll Length (m)
PB48303B	4.8	3.0	Black	800	PB69304B	6.9	3.0	Black	475
PB48353B	4.8	3.5	Black	700	PB69404B	6.9	4.0	Black	425
PB48403B	4.8	4.0	Black	650	PB69454B	6.9	4.5	Black	425
PB48453B	4.8	4.5	Black	550	PB69504B	6.9	5.0	Black	375
PB48503B	4.8	5.0	Black	500	PB69554B	6.9	5.5	Black	325
PB48553B	4.8	5.5	Black	450	PB69604B	6.9	6.0	Black	325
PB48603B	4.8	6.0	Black	400	PB69654B	6.9	6.5	Black	300
PB48653B	4.8	6.5	Black	400	PB69704B	6.9	7.0	Black	275
PB48703B	4.8	7.0	Black	350	PB69754B	6.9	7.5	Black	250
PB48753B	4.8	7.5	Black	350	PB69904B	6.9	9.0	Black	225
PB48853B	4.8	8.5	Black	275					

* Also available with optional Adhesive Backing (AB). Please contact us for more information.

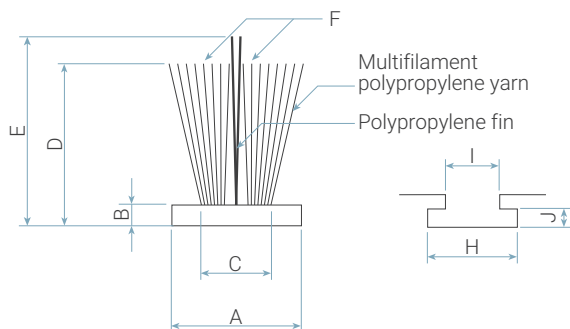
FIN-SEAL (PBF):

WOVEN PILE SEALS WITH FIN

Soft silicone treated multifilament pile yarn on a woven reinforced translucent backing. With welded centre fin for improved weather sealing of sliding windows and doors.

Recommended compression:

- Pile height from 3.0 to 5.0 mm: 5% to 10%.
- Pile height from 5.5 to 6.5 mm: 10% to 20%.



T-SLOT DIMENSIONS

	4.8	6.9
(H)	5.3	7.7
(I)	3.2	3.2
(J)	1.3	1.3

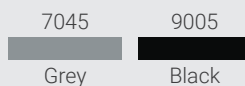
Minimum clearance recommended: +0.5 mm of backing width chosen

TECHNICAL SPECIFICATION (PBF)

STANDARD SOLUTIONS

(A)	(B)	(C)	(D)	(E)	(F)
Backing width*	Backing thickness	Pile base width	Pile height	Fin height	Pile density (P)
4.8 +0.10/-0.15 mm	0.8 ± 0.15 mm	2.4 ± 0.3 mm	D ≤ 6.5 mm (+0.25/-0.15 mm) with 0.5 mm intervals	Level with pile (±0.50 mm)	2P
6.9 +0.10/-0.20 mm			6.5 ≤ D ≤ 10 mm (+4%/-2.5%) with 0.5 mm intervals		4P

Multifilament pile yarn colours (≈ RAL)

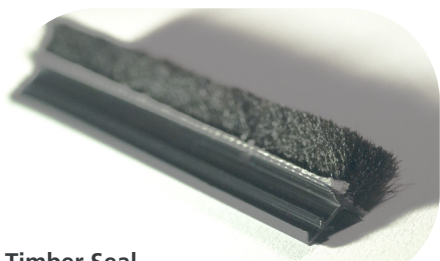


Product Code	Base Width A (mm)	Pile Height D (mm)	Colour	Roll Length (m)	Product Code	Base Width A (mm)	Pile Height D (mm)	Colour	Roll Length (m)
PBF48452B	4.8	4.5	Black	500	PBF69454B	6.9	4.5	Black	400
PBF48502B	4.8	5.0	Black	500	PBF69504B	6.9	5.0	Black	400
PBF48552B	4.8	5.5	Black	450	PBF69554B	6.9	5.5	Black	400
PBF48602B	4.8	6.0	Black	400	PBF69654B	6.9	6.5	Black	350
PBF48652B	4.8	6.5	Black	400	PBF69754B	6.9	7.5	Black	300
PBF48752B	4.8	7.5	Black	300					
PBF48852B	4.8	8.5	Black	300					

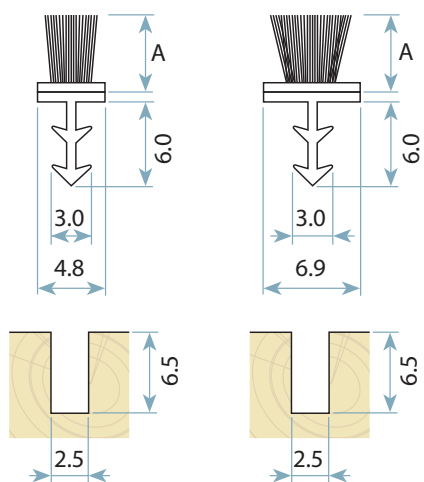
* Also available with optional Silent Fin. Please contact us for more information.

TIMBER SEAL (TS)/TIMBER FIN (TSF): KERF SEAL WITH WOVEN PILE

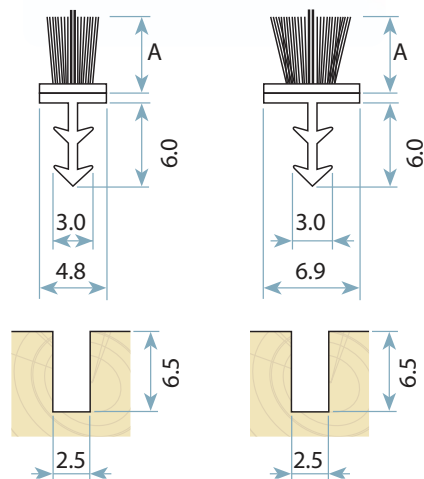
Timber seal and timber fin-seal are designed to push fit into a kerf slot. Timber seal acts as an excellent weatherseal with the siliconised polypropylene woven pile yarn. Timber fin-seal comes with a fin for an additional barrier.



Timber Seal



Timber Fin-Seal



Code	Description	'A' (mm)	Length (m)
TS48303B	TS 48 300-3P BLK	3.0	350
TS48353B	TS 48 350-3P BLK	3.5	350
TS48403B	TS 48 400-3P BLK	4.0	350
TS48453B	TS 48 450-3P BLK	4.5	350
TS48503B	TS 48 500-3P BLK	5.0	350
TS48553B	TS 48 550-3P BLK	5.5	350
TS48603B	TS 48 600-3P BLK	6.0	350
TS48653B	TS 48 650-3P BLK	6.5	350
TS48703B	TS 48 700-3P BLK	7.0	350
TS48753B	TS 48 750-3P BLK	7.5	350

TS69304B	TS 69 300-4P BLK	3.0	250
TS69404B	TS 69 400-4P BLK	4.0	250
TS69454B	TS 69 450-4P BLK	4.5	250
TS69504B	TS 69 500-4P BLK	5.0	250
TS69554B	TS 69 550-4P BLK	5.5	250
TS69604B	TS 69 600-4P BLK	6.0	250
TS69654B	TS 69 650-4P BLK	6.5	250
TS69704B	TS 69 700-4P BLK	7.0	250
TS69754B	TS 69 750-4P BLK	7.5	250

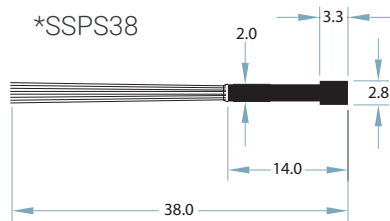
Code	Description	'A' (mm)	Length (m)
TSF48452B	TSF 48 450-FP BLK	4.5	350
TSF48502B	TSF 48 500-FP BLK	5.0	350
TSF48552B	TSF 48 550-FP BLK	5.5	350
TSF48602B	TSF 48 600-FP BLK	6.0	350
TSF48652B	TSF 48 650-FP BLK	6.5	350
TSF48752B	TSF 48 750-FP BLK	7.5	300
TSF48852B	TSF 48 850-FP BLK	8.5	300

TSF69454B	TSF 69 450-FP BLK	4.5	250
TSF69504B	TSF 69 500-FP BLK	5.0	250
TSF69554B	TSF 69 550-FP BLK	5.5	250
TSF69654B	TSF 69 650-FP BLK	6.5	250
TSF69754B	TSF 69 750-FP BLK	7.5	250

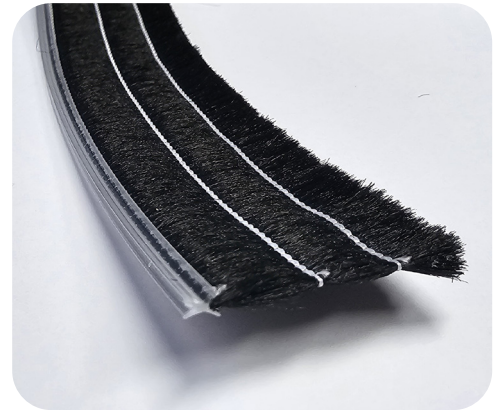
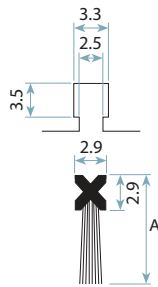
SKIRTING SEAL:

SQUARE (PS), ROUND (PR) & T-SLOT (P)

Code	Base	Height 'A' (mm)	Length (m)
SSPS8B	Square	8	450
SSPS11B	Square	11	400
SSPS13B	Square	13	350
SSPS16B	Square	16	300
SSPS20B	Square	20	300
SSPS28B	Square	28	150
SSPS38B	Square	38*	150



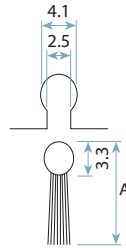
PS Skirting



PS Base

Code	Base	Height 'A' (mm)	Length (m)
SSPR10B	Round	10	500
SSPR13B	Round	13	500
SSPR16B	Round	16	500
SSPR20B	Round	20	300
SSPR28B	Round	28	200

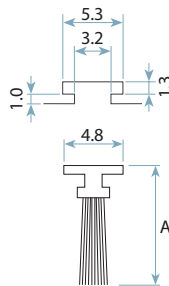
PR Skirting



PR Base

Code	Base (mm)	Height 'A' (mm)	Length (m)
SSP4809B	T-Slot 4.8	9	500
SSP4811B	T-Slot 4.8	11	400
SSP4813B	T-Slot 4.8	13	400
SSP4816B	T-Slot 4.8	16	300
SSP4820B	T-Slot 4.8	20	300
SSP4828B	T-Slot 4.8	28	200

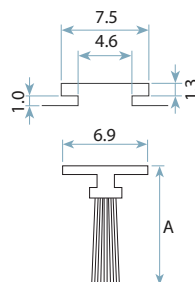
4.8 T-Slot



T-slot 4.8 & 6.9 Base

Code	Base (mm)	Height 'A' (mm)	Length (m)
SSP6911B	T-Slot 6.9	11	400
SSP6913B	T-Slot 6.9	13	300
SSP6916B	T-Slot 6.9	16	300
SSP6920B	T-Slot 6.9	20	200
SSP6928B	T-Slot 6.9	28	200

6.9 T-Slot

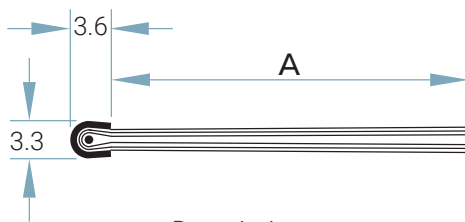
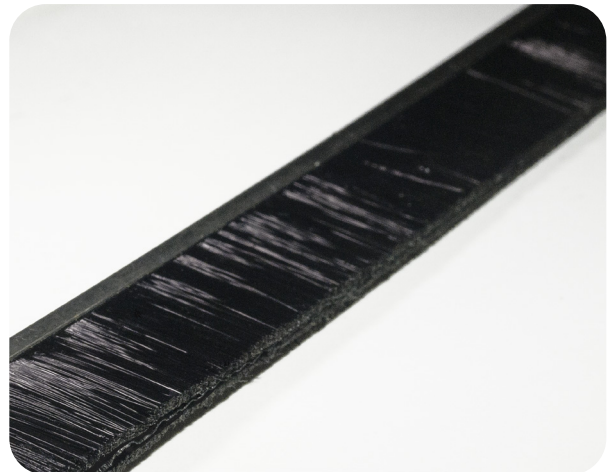


BRISTLE BRUSH:

Schlegel produce resistant, durable, rigid backed nylon brush designed to fit into extruded aluminium carriers.

The nylon brush filament has excellent mechanical properties to ensure long lasting protection against weather and unwanted substances.

- Galvanised steel backing as standard
- Variety of brush sizes and carriers
- Bristle brush & carrier kits available
- Bristle brush itself may be push fitted into saw kerf
- Flame retardant (FR) brush available with Flammability Index rating 5 or less, and UL94 rating V0

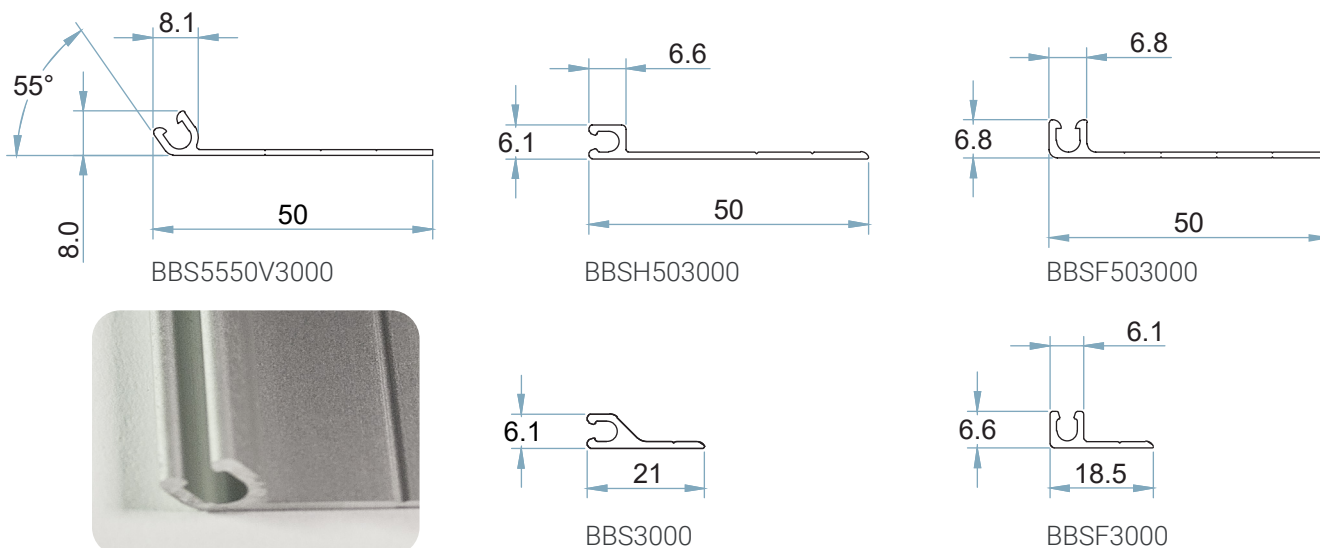


Code	Description	Brush height 'A' (mm)	Length (m)
BB103000	Galv. Brush	10	3
BB133000	Galv. Brush	13	3
BB163000	Galv. Brush	16	3
BB193000	Galv. Brush	19	3
BB193000FR	Galv. Flame Ret. Brush	19	3
BB253000	Galv. Brush	25	3
BB253000FR	Galv. Flame Ret. Brush	25	3
BB303000	Galv. Brush	30	3
BB373000	Galv. Brush	37	3
BB403000	Galv. Brush	40	3
BB503000	Galv. Brush	50	3
BB503000FR	Galv. Flame Ret. Brush	50	3
BB7530003FR	Galv. Brush	75	3
BB10030003FR	Galv. Brush	100	3

Code	Brush & Carrier Kit	Brush height 'A' (mm)	Length (m)
BBS300013N	Alum. H Carrier 0°	13	3
BBS300019N	Alum. H Carrier 0°	19	3
BBS300025N	Alum. H Carrier 0°	25	3
BBS300030N	Alum. H Carrier 0°	30	3
BBS300050N	Alum. H Carrier 0°	50	3
BBSF300013N	Alum. F Carrier 90°	13	3
BBSF300019N	Alum. F Carrier 90°	19	3
BBSF300025N	Alum. F Carrier 90°	25	3
BBSF300030N	Alum. F Carrier 90°	30	3
BBSF300050N	Alum. F Carrier 90°	50	3

* FR = Flame Retardant, 19, 25 and 50 mm high brush kits available in flame retardant (NFR)

BRISTLE BRUSH CARRIERS:



Code	Description	Back (mm)	Length (m)
BBS5550V3000	Alum. Angle Carrier 55°	50	3
BBSH503000	Alum. H Carrier 0°	50	3
BBSF503000	Alum. F Carrier 90°	50	3
BBS3000	Alum. H Carrier 0°	20	3
BBSF3000	Alum. F Carrier 90°	20	3

ROLLER DOOR SEAL:

Roller door seal for along the bottom of garage doors (Bristle Brush typically goes along the sides). Flame Retardant available (FR)



Code	Description	Width (mm)	Length (m)
RDS3653000AL	Roller Door Seal Carrier	36.5	3
DRDS45	DYN Roller Door Seal 45MM	45	50
DRDS45FR	Roller Door Seal 45MM F/Retard	45	75
DRDS454090BLK50	DYN Roller Door Seal 45MM/Soft	45	50
DRDS80	DYN Roller Door Seal 80MM	80	50
DRDSFPS	Santoprene Fin Door Seal	15	200

FOAM SEALS:

PROVED AND TESTED FOR ALMOST 50 YEARS

Made with a unique combination of materials and with technical performance unparalleled by any other material used in seals, Schlegel Q-Lon offers the highest standard of sealing function – even under extreme conditions.

Continuous research and development, as well as strict material and quality inspections, have made Q-Lon one of the best established sealing systems in the industry today.

Q-Lon foam seals – the ultimate benefits in material and function:

- Excellent memory – returns to original shape after long compression
- Stability – low / no stretch gained by rigid insert or glass fibre internal cord
- Easily compressed – low compression forces, unaffected by temperature variance
- Acoustics – outstanding acoustic performance
- Thermal conductivity – unrivalled thermal performance
- Paint and stain proof – properties unaffected by standard paints and stains
- Stabilised – unaffected by rot, fungi, UV-light or ozone
- Colours – white, black, brown and many other options
- Temperatures – wide operating range under extremely cold and warm weather conditions

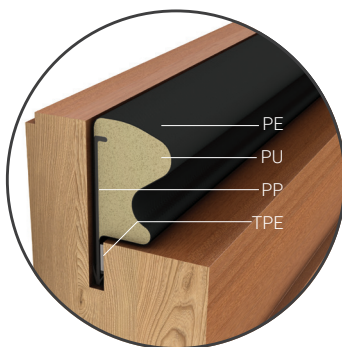
Independent Testing

Q-Lon has been extensively tested by independently certified test facilities that clearly demonstrate its superior performance over other commonly used seal materials and constructions. In particular, it has been shown that Q-Lon seals retain their properties and performance significantly better over time when, after 10,000 cycles of window and / or door opening and closing, other materials lose their ability to meet the normal operational requirements.

Areas affected include weathering performance, thermal insulation, sound attenuation and air tightness.

A good guide to the performance of weatherseals and gaskets can be found in EN 12365:2003

Tested and certified by:



- Polyurethane (PU) foam core – high durability, superior recovery performance
- Polyethylene (PE) film – weather and UV-resistant
- Glass fibre thread or polypropylene (PP) insert – prevents elongation and shrinkage
- Smooth or embossed exterior, resistant to contamination
- Compatible with cleaning agents

SELECTING A SEAL MATERIAL AND DESIGN

The selection of a suitable seal product is dependent on the performance characteristics required for the door, window, rooflight, shutter or curtain walling in the application for which it has been designed.

A great deal of guidance can be gained from the classification under EN 12365-1 2003, which should always be checked. For thermal conductivity of the seal as an element of the overall construction of the window or door, reference can be made to table 1 of EN 12524 2000 or, as previously stated, by direct calculation.

These considerations will in turn influence the selection of material and manufacturer.

SCHLEGEL CAN OFFER ALL PRODUCT DESIGN, MANUFACTURING AND INSTALLATION TEAMS SUPPORT IN THE SPECIFICATION AND SUPPLY OF A SEAL...

...to meet their specific application requirements, and to support compliance with the required product standards.

QUALITY PRODUCTS

Tyman International has an unrivalled reputation for high quality, service and technical innovation, establishing it as a world leader in the manufacture of seals, weatherstrips, gaskets and extrusions.

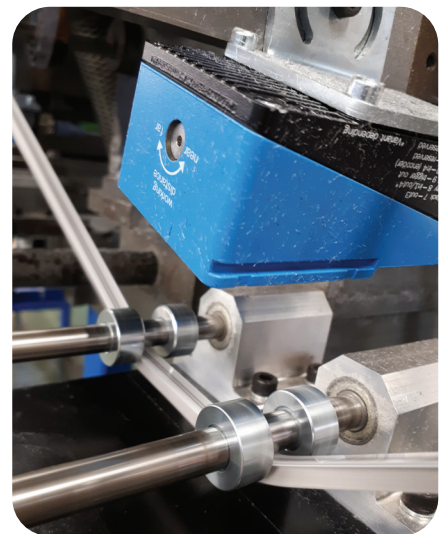
All our products are manufactured to meet the requirements of current and proposed British, European and International Standards and are manufactured using a Quality Management System registered and certified to BS EN ISO 9001:2015 Quality Systems.

European standards require each window and door to be tested in all its components with a view to constant functional quality regardless of the type of product and

the profile on which this is applied.

Each component is subjected to internal testing to verify its actual performance level or directly certified by institutes authorised to the highest levels required by the regulations (i.e. IFT Z-CERT QM338). The auditors of these institutes perform a periodic review of the effectiveness of the production plant controls in order to ensure continual quality improvement.

All the raw materials (polypropylene, TPE, PVC, polyurethane, etc) receive chemical composition controls that guarantee constant performance as requested by the reference standards.



THERMAL CONDUCTIVITY TO EN ISO 10077-1 AND EN 12524

THERMAL CONDUCTIVITY

Section 4.12 of EN 14351-1 2006 stipulates the methods for determining thermal transmittance of windows and doors that can be used for CE Declarations of Performance. Common window configurations can use standard tables within EN 10077-1 2006 for declared thermal performance values, though more accurate values can be obtained by individual calculation or hot box testing. In accordance with 4.12 of EN 14351-1, calculations used for declaring thermal transmittance should be conducted in accordance with the methodology stipulated in EN ISO 10077-1 2006 and EN ISO 10077-2 2012.

EN ISO 10077-2 2012 details the process for the calculation of frame elements of windows and doors, including weather seals and gaskets. For thermal calculations, it is necessary to understand the linear thermal transmittance, or thermal conductivity, of the individual frame component materials. Section 5.1 of EN ISO 10077-2 2012 refers to a further standard, EN ISO 10456 2007, as a suitable source of tabulated performance values, for a variety of building materials.

Which seal has the lowest conductivity?

Within table 3 of EN ISO 10456 2007, polyurethane foam weather seals are detailed, with a linear thermal transmittance of 0.05 W/(m.K). This should be the value used for Q-Lon seals within window and doorset specifications, when calculating thermal performance declarations in compliance with the requirements of EN 14351-1 2006.

The material performance...

...VALUES WITHIN TABLE 1 OF EN ISO 10456 2007 ALSO HIGHLIGHT THE SUPERIOR THERMAL PERFORMANCE OF Q-LON...

There is a proverb that says: A chain is only as strong as its weakest link. This also applies to the fenestration industry. Doors and windows only perform as well as the seal.

The thermal performance that can be achieved by a window or door is determined by many different factors. The composition of the frame material and the glass are both very important. A low quality seal, however, can easily spoil the energy saving effects of insulated profiles and argon filled HR glass.

Under EN ISO 10456:2007, the design thermal conductivity of different materials used for seals is:

- EPDM 0.25 W/(m·K)
- PVC 0.14 W/(m·K)
- PU 0.05 W/(m·K)

In accordance with EN12667 (Thermal performance of building materials and products - Determination of thermal resistance by means of guarded hot plate and heat flow meter methods), it now has been independently tested and certified by ift Rosenheim: Q-Lon has a measured low thermal conductivity of **just 0.041 W/(m·K)**. This is better than any other weather seal available in the market.

Compared to other seals, the loss of energy is reduced to the minimum. In combination with an excellent high compression recovery (on average higher than 90%) a high performance is also guaranteed over the long term.

Evidence of Performance

Thermal conductivity (declared value)

Test Report
No. 15-003940-PR01
(PB-K03-08-en-02)

Client: SCHLEGEL GERMANY GMBH
Bredowstr. 33
22113 Hamburg
Germany

Product: Flexible polyurethane foam boards
Designation: Q-Lon Platten*

Performance-related product details: Compression depth in mm: approx. 255 x 255. Material: Flexible polyurethane foam based on polyol, both sides with polyethylene facing / 95 µm. Intended agent: water / carbon dioxide. Density in kg/m³: 123 to 136. Closed pore structure: open pore. Application: seals for windows, doors.
Conditions: After delivery, the test specimens were conditioned at 23°C / 50 % relative humidity until achieving constant mass (0.1 % / 24 h).
Special features: The test specimens were characterised by unevenness resulting from the manufacturing process.

Results:
Thermal conductivity (declared value)

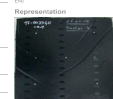
$\lambda_D = 0.041 \text{ W/(m} \cdot \text{K)}$ *

* The thermal conductivity was determined at an average temperature of 10°C.



Basis 1
EN 12667:2001:01
EN ISO 10456:2008:12

Test report: 15-003940-PR01
(PB-K03-08-de-03) dated
27.07.2016
* Representational version in 0.041

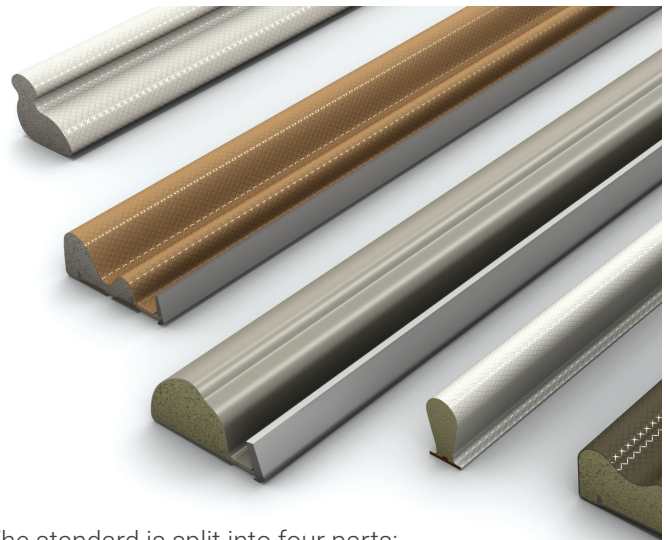


Instructions for use

The test report serves to demonstrate the thermal conductivity (declared value) λ_D .

Validity
The data and results given refer solely to the tested and described specimen. The test evaluation does not allow any statement to be made on any further characteristics regarding performance and quality of the

AN INTRODUCTION: TO EN 12365



EN 12365 2003 is the European standard that details the performance requirements of gaskets and weatherstripping in doors, windows, shutters and curtain walling. These gaskets or weatherstripping are to control the movement of air, water, sound and energy between the fixed and opening parts of the described products.

The standard includes all gasket and weatherstripping materials but does not apply to mastics, sealants, putties or other liquids, viscous or other materials extruded into their final place.

The performance of gaskets and weatherstrips is critically important to the overall performance levels of the installed window or door.

In many ways...

... THE WINDOW OR DOOR IS ONLY AS GOOD AS THE WEATHERSTRIPPING EMPLOYED...

...and therefore its classification to EN 12365 2003 should always be a factor in product selection.

The standard is split into four parts:

Part 1 – Performance requirements and classification

Part 2 – Linear compression force test method

Part 3 – Deflection recovery test method

Part 4 – Recovery after accelerated ageing test method

The most recent version of EN 12365 before the preparation of this guide was in 2003.

The standard is due for re-examination and, if required, revision. Please check to ensure that you refer to the latest revision.

Q-Lon and Aquamac foam seals are manufactured at our plants in the UK.

TESTING AND RESULTS

Specifically designed for timber windows and entry doors, Q-Lon foam seals combine the best thermal performance along with good soundproofing properties across a wide temperature range. Very low operating forces reduce wear and tear.

TECHNICAL INFORMATION

Tested temperature range	-60 °C to +70 °C - see EN12365 Classification - Reached -60° according to Russian PCT Certification
Heat conductivity	0.041 W/(m·K) at 0 °C
Acoustic testing	43 dB at a window IV68 with a centre seal 45 dB at a window IV76 with centre and overlap seals
Compatibility	compatible with PVC, no staining formation in the contact material
Exterior Liner	Polyethylene, low friction, UV stable
Melt Index Liner	Approx. 0.85 g/10 min at 190 °C, 2.16 kg mass – 2.0 MI
Thermal Conductivity Liner	0.33 W/(m·K)
Thermal Conductivity Q-Lon Seal	0.041 W/(m·K)
UV Resistance Liner	8 GJ/m ²

Balance
Systems

Schlegel
Hardware

Truth
Hardware

Giesse

ERA

Pile
Seals

Bristle
Brush

Foam
Seals

Four
seasons

THE CLASSIFICATIONS OF WEATHERSEALS TO EN 12365

Under EN 12365 2003 there is a prescribed classification system that enables window, door, shutter and curtain walling manufacturers or installers to ensure that they are using the component that best meets their requirements. It is important that evidence is provided and the classification of each seal demonstrated.

A SIX DIGIT SYSTEM IS USED:

1	2	3	4	5	6
Category of Use	Working Range	Linear Compression Force	Working Temperature Range	Deflection Recovery	Recovery After Ageing
W = Weatherstrip G = Gasket	9 grades showing the working range of the seal with 9 being the greatest distance	9 grades showing the linear compression force with 9 being the greatest force	6 grades showing the working temperature range each with different high and low temperatures	8 grades showing deflection recovery with grade 0 indicating no requirement and grade 7 showing the greatest recovery	8 grades showing recovery after ageing with grade 0 indicating no requirement and grade 7 showing the greatest recovery
	Grades 1: ≤ 1 mm 2: >1 mm ≤ 2 mm 3: >2 mm ≤ 4 mm 4: >4 mm ≤ 6 mm 5: >6 mm ≤ 8 mm 6: >8 mm ≤ 10 mm 7: >10 mm ≤ 15 mm 8: >15 mm ≤ 30 mm 9: >30 mm	Grades 1: ≤ 10 N/m 2: >10 N/m ≤ 20 N/m 3: >20 N/m ≤ 50 N/m 4: >50 N/m ≤ 100 N/m 5: >100 N/m ≤ 200 N/m 6: >200 N/m ≤ 500 N/m 7: >500 N/m ≤ 700 N/m 8: >700 N/m ≤ 1000 N/m 9: >1000 N/m	Grades 1: 0°C to +45°C 2: -10°C to +55°C 3: -20°C to +85°C 4: -25°C to +100°C 5: -40°C to +70°C 6: 0°C to +200°C	Grades 0: No Requirement 1: >30% to 40% 2: >40% to 50% 3: >50% to 60% 4: >60% to 70% 5: >70% to 80% 6: >80% to 90% 7: >90%	Grades 0: No Requirement 1: >30% to 40% 2: >40% to 50% 3: >50% to 60% 4: >60% to 70% 5: >70% to 80% 6: >80% to 90% 7: >90%

When assessing the performance requirement, the greater the grade does not always show the best level of performance. So, when comparing categorisations higher scores are usually better but careful analysis is required to ensure that the needs of the particular application are met.




A TYPICAL CLASSIFICATION THEREFORE TAKES THE FORM OF:

W	5	3	6	4	5
---	---	---	---	---	---

Q-LON COLOURS:

The unique Q-Lon seal is made from a special polyurethane foam, contained in a weather resistant polyethylene liner.

The standard foam colour is natural. The liner is available in the following main colours (bronze for timber applications):

≈ RAL	8019	9005	9003
Colour:			
	Bronze	Black	White

* Other configurations and colours available upon request, however minimum order quantities will apply.

Q-LON

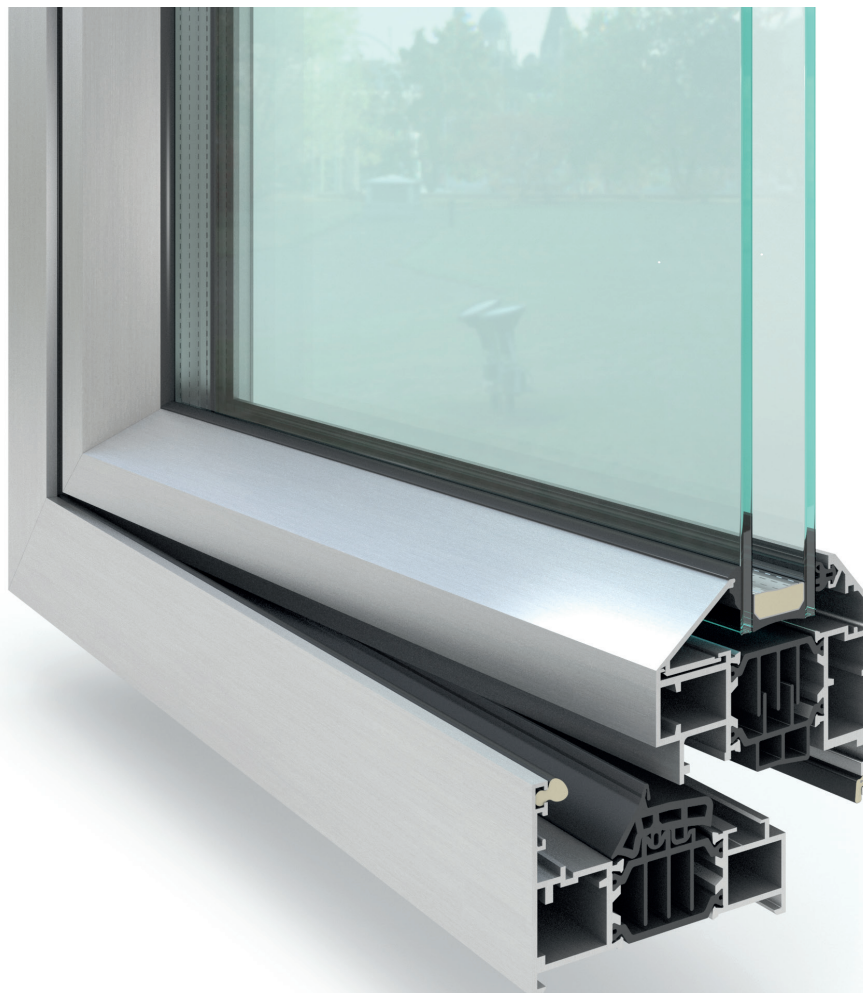
PERFORMANCE TABLES

The methodology for the linear compression test, the deflection recovery test and the recovery after ageing test are all described in EN 12365 2003 parts 2, 3 and 4. All testing should be carried out by an accredited test facility. The testing facilities at Tyman International in Hamburg are accredited by ift Rosenheim.

Q-LON CLASSIFICATION TO EN 12365 2003

QL 1026	W	2	6	2	7	6	QL 3106	W	2	5	2	7	6	QL 5878	W	2	5	2	4	6
QL 1032	W	3	5	2	7	6	QL 3109	W	4	3	2	7	6	QL 5985	W	2	4	2	7	6
QL 3004	W	2	6	2	7	6	QL 3110	W	2	5	2	6	6	QL 60	W	3	5	2	7	6
QL 3005 / AQ 63	W	3	5	2	6	6	QL 3111	W	3	5	2	5	6	QL 6493	W	1	5	2	7	6
QL 3006	W	6	2	2	7	6	QL 3113	W	3	5	2	6	6	QL 6571	W	3	5	2	6	6
QL 3009 / AQ21	W	3	2	2	6	6	QL 3116	W	3	4	2	6	6	QL 6750	W	3	4	2	6	6
QL 3011	W	3	5	2	7	6	QL 3117	W	2	3	2	6	6	QL 69400	W	1	5	2	5	6
QL 3012	W	4	5	2	7	6	QL 3118	W	3	1	2	7	6	QL-69447	W	3	3	2	6	6
QL 3015 / AQ 122	W	2	5	2	7	6	QL 3121	W	3	2	2	6	6	QL 69510	W	1	5	2	4	6
QL 3013 / AQ 48	W	1	5	2	7	6	QL 3122	W	1	7	2	7	6	QL 69650	W	1	5	2	6	6
QL 3020	W	4	4	2	6	6	QL 3124	W	1	6	2	7	6	QL 69700	W	3	3	2	7	6
QL 3021	W	3	5	5	6	5	QL 3126	W	1	7	2	7	6	QL 69750	W	2	4	2	6	6
QL 3025	W	2	5	2	6	6	QL 3128	W	3	2	2	6	5	QL 69800	W	3	4	2	6	6
QL 3034	W	3	6	2	7	6	QL 3130	W	3	4	2	6	6	QL 6991	W	2	5	2	6	6
QL 3037 / AQ 4846	W	3	5	2	6	6	QL 3130	W	2	4	2	6	6	QL 69950	W	3	4	2	6	6
QL 3042	W	2	4	2	7	6	QL 3131	W	2	5	2	6	6	QL 7000	W	5	2	2	6	6
QL 3053	W	3	5	2	6	6	QL 3137	W	2	5	2	7	6	QL 7032	W	3	4	2	6	6
QL 3054	W	3	5	2	7	6	QL 3138	W	2	5	2	7	6	QL 7066	W	3	3	2	6	6
QL 3056	W	3	4	2	7	5	QL 3139	W	3	1	2	7	6	QL 7307	W	3	5	2	7	6
QL 3059	W	3	3	2	6	5	QL 3140	W	3	5	2	6	6	QL 836	W	3	3	2	6	6
QL 3061	W	3	3	2	6	6	QL 3141	W	2	4	2	5	5	QL 9005	W	2	4	2	6	6
QL 3063	W	3	6	2	6	6	QL 3143	W	2	6	2	7	5	QL 9100	W	3	5	2	7	6
QL 3067	W	3	5	2	7	6	QL 3147	W	3	4	2	6	6	QL 9111	W	3	4	2	6	6
QL 3068	W	3	5	2	7	5	QL 3150	W	3	3	2	6	6	QL 9112	W	3	5	2	7	6
QL 3070	W	2	5	2	6	6	QL 3151	W	3	3	2	6	6	QL 9154	W	3	5	2	6	6
QL 3072	W	2	4	2	6	5	QL 3152	W	3	3	2	6	6	QL 9257	W	3	3	2	7	6
QL 3073	W	4	4	2	7	5	QL 4465	W	2	5	2	6	6	QL 9489	W	2	6	2	7	6
QL 3074	W	2	6	2	7	6	QL 45	W	2	7	2	7	6	QL 9536	W	4	3	2	7	6
QL 3076	W	3	4	2	6	6	QL 48400	W	1	6	2	6	6	QL 9596	W	2	6	2	7	6
QL 3078	W	3	3	2	6	6	QL-48447	W	3	3	2	6	6	QL 9646	W	3	5	2	7	6
QL 3079	W	2	4	2	6	6	QL 48510	W	1	5	2	5	6	QL 9608	W	3	3	2	7	6
QL 3082	W	3	5	2	7	5	QL 48650	W	2	5	2	5	6	QL 9613	W	3	3	2	7	6
QL 3091	W	4	4	2	6	5	QL 4870	W	2	3	2	6	6	QL 9688	W	3	3	2	7	6
QL 3093	W	4	4	2	6	6	QL 48700	W	3	3	2	7	6	QL 9710	W	3	5	2	6	6
QL 3094	W	3	2	2	6	5	QL 48750	W	2	5	2	6	6	QL 9756	W	2	5	2	7	6
QL 3095	W	3	2	2	7	5	QL 48800	W	3	4	2	7	6	QL 9762	W	3	5	2	7	6
QL 3096	W	3	3	2	6	5	QL 48950	W	3	4	2	6	6	QL 9898	W	3	5	2	7	6
QL 3097	W	3	5	2	6	6	QL 50	W	2	5	2	7	6	QL 9915	W	2	5	2	6	6
QL 3098	W	3	3	2	6	6	QL 5271	W	2	5	2	6	6	QL 9926	W	3	3	2	7	6
QL 3099	W	3	3	2	6	6	QL 55	W	2	5	2	6	6	QL 9928	W	3	4	2	7	6
QL 3101	W	3	5	2	7	6	QL 5570	W	2	4	2	6	6	QL 9985	W	3	5	2	7	6
QL 3102	W	3	3	2	6	6	QL 5626	W	3	3	2	5	6							
QL 3103	W	3	5	2	6	6	QL 5694	W	4	3	2	6	6							
QL 3104	W	4	4	2	7	5	QL 57700	W	2	5	2	6	6							

*Please note not all items in this table are stocked locally



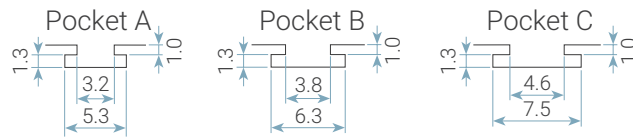
Year
 Guarantee

Q-LON FOAM SEALS: ALUMINIUM WINDOWS AND DOORS

The variety of flexible shapes and different colours makes these Q-Lon profiles particularly suited for sealing applications in window covering products such as roller shutters and screens. Fitted into aluminium head boxes, side guiding channels or bottom bars, Q-Lon polyurethane foam seals minimise light and air leaks, limit contamination and provide long lasting noise dampening effects.



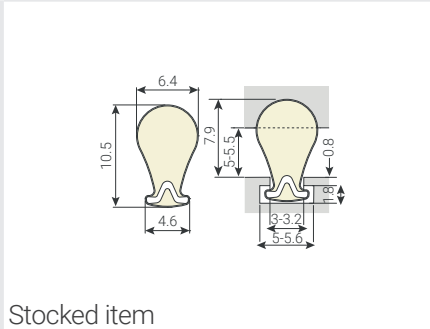
T-Slot dimensions



FOR ALUMINIUM APPLICATIONS

**QL 46105
(OVERLAP SEALS)**

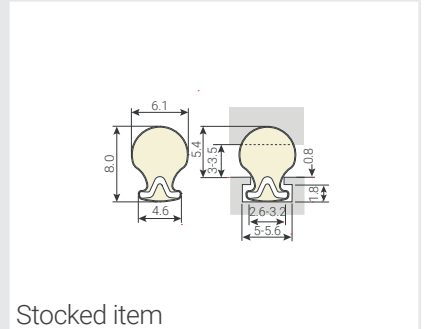
Throat width: 3 - 3.2
Groove width: 5 - 5.6
Seal gap: 5 - 5.5
Packaging: 250 m x 2



Stocked item

**QL 46800
(OVERLAP SEALS)**

Throat width: 2.6 - 3.2
Groove width: 5 - 5.6
Seal gap: 3 - 3.5
Packaging: 250 m x 2



Stocked item

FOR ALUMINIUM APPLICATIONS

Balance Systems

Schlegel Hardware

Truth Hardware

Giese

ERA

Pile Seals

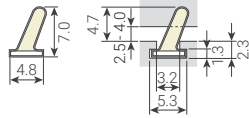
Bristle Brush

Foam Seals

Four Seasons

QL 4870 (T-LIP)

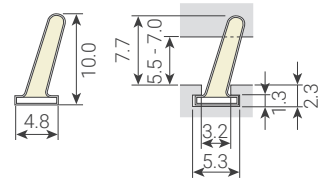
T-slot type: A (5.3 mm)
Throat width: 3.2
Min. slot depth: 2.3
Seal gap: 2.5 - 4.0
Packaging: 250 m x 2



W23266 Stocked item

QL 48100 (T-LIP)

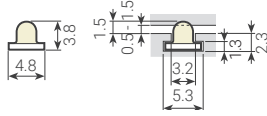
T-slot type: A (5.3 mm)
Throat width: 3.2
Min. slot depth: 2.3
Seal gap: 5.5 - 7.0
Packaging: 250 m x 2



Stocked item

QL 48400

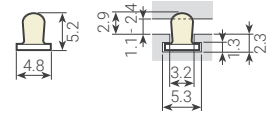
T-slot type: A (5.3 mm)
Throat width: 3.2
Groove depth: 2.3
Seal gap: 1.1 - 2.4
Packaging: 700 m x 2



W16266 Stocked item

QL 48510

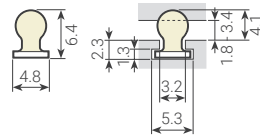
T-slot type: A (5.3 mm)
Throat width: 3.2
Groove depth: 2.3
Seal gap: 1.1 - 2.4
Packaging: 900 m x 2



W15256 Stocked item

QL 48650

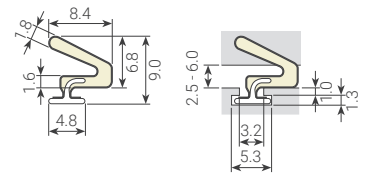
T-slot type: A (5.3 mm)
Throat width: 3.2
Groove depth: 2.3
Seal gap: 1.8 - 3.4
Packaging: 800 m x 2



W25256 Stocked item

QL 48700

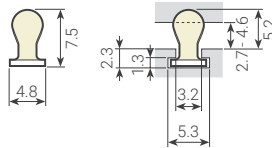
T-slot type: A (5.3 mm)
Throat width: 3.2
Groove depth: 2.3
Seal gap: 2.5 - 6.0
Packaging: 250 m x 2



W15256 Stocked item

QL 48750

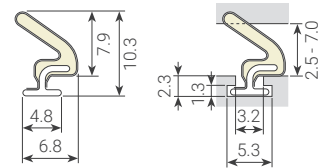
T-slot type: A (5.3 mm)
Throat width: 3.2
Groove depth: 2.3
Seal gap: 2.7 - 4.6
Packaging: 600 m x 2



W25266 Stocked item

QL 48800 (AQ437B48)

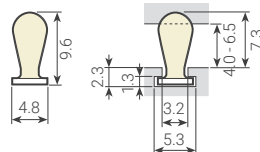
T-slot type: A (5.3 mm)
Throat width: 3.2
Groove depth: 2.3
Seal gap: 2.5 - 7.0
Packaging: 305 m x 2



W34276 Stocked item

QL 48950

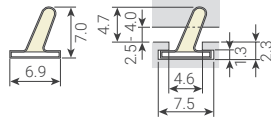
T-slot type: A (5.3 mm)
Throat width: 3.2
Groove depth: 2.3
Seal gap: 4.0 - 6.5
Packaging: 500 m x 2



W34266 Stocked item

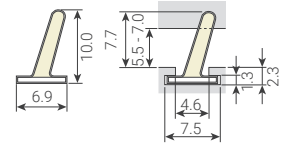
QL 6970 (T-LIP)**T-slot type:** C (7.5 mm)**Throat width:** 4.6**Min. slot depth:** 2.3**Seal gap:** 2.5 - 4.0**Packaging:** 250 m x 2

Stocked item

**QL 69100 (T-LIP)****T-slot type:** C (7.5 mm)**Throat width:** 4.6**Min. slot depth:** 2.3**Seal gap:** 5.5 - 7.0**Packaging:** 250 m x 2

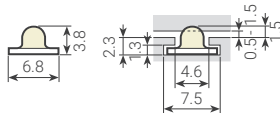
W33276

Stocked item

**QL 69400****T-slot type:** C (7.5 mm)**Throat width:** 4.6**Groove depth:** 2.3**Seal gap:** 0.5 - 1.5**Packaging:** 700 m x 2

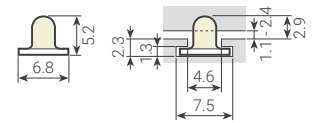
W15256

Stocked item

**QL 69510****T-slot type:** C (7.5 mm)**Throat width:** 4.6**Groove depth:** 2.3**Seal gap:** 1.1 - 2.4**Packaging:** 700 m x 2

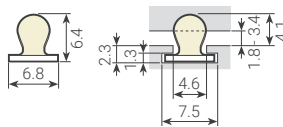
W15246

Stocked item

**QL 69650****T-slot type:** C (7.5 mm)**Throat width:** 4.6**Groove depth:** 2.3**Seal gap:** 1.8 - 3.4**Packaging:** 600 m x 2

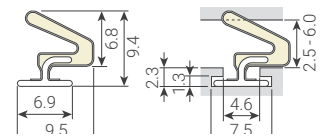
W15266

Stocked item

**QL 69700****T-slot type:** C (7.5 mm)**Throat width:** 4.6**Min. slot depth:** 2.3**Seal gap:** 2.5 - 6.0**Packaging:** 250 m x 2

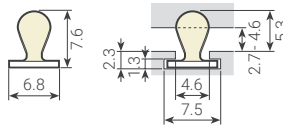
W33266

Made to order

**QL 69750****T-slot type:** C (7.5 mm)**Throat width:** 4.6**Groove depth:** 2.3**Seal gap:** 2.7 - 4.6**Packaging:** 500 m x 2

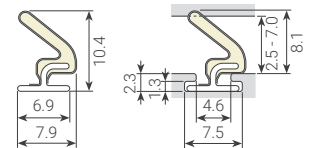
W24266

Stocked item

**QL 69800****T-slot type:** C (7.5 mm)**Throat width:** 4.6**Groove depth:** 2.3**Seal gap:** 2.5 - 7.0**Packaging:** 305 m x 2

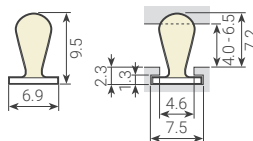
W34266

Stocked item

**QL 69950****T-slot type:** C (7.5 mm)**Throat width:** 4.6**Groove depth:** 2.3**Seal gap:** 4.0 - 6.5**Packaging:** 350 m x 2

W34266

Stocked item





Year
Guarantee

Q-LON FOAM SEALS: TIMBER WINDOWS AND DOORS

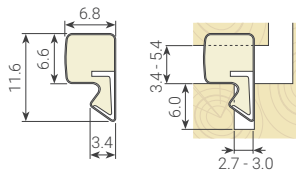
- Efficient processing – right from the coil, no waste
- Compatible with all paints and glazing, including acrylic paints
- Available colours: white, black and bronze
- Other colours available on request



FOR TIMBER APPLICATIONS

QL 3005 (AQ 63)

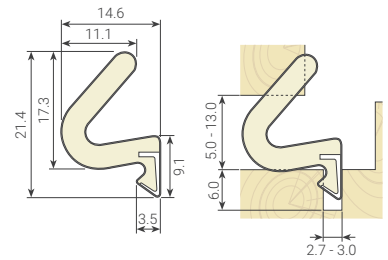
Groove width: 2.7 - 3.0
Min. groove depth: 6.0
Rebate: 8.0
Seal gap: 3.4 - 5.4
Packaging: 300 m x 2



W35266 Stocked item

QL 3006 (AQ 89)

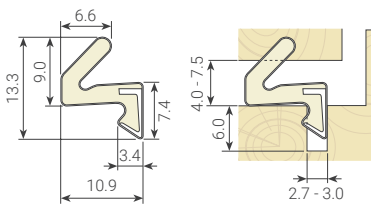
Groove width: 2.7 - 3.0
Min. groove depth: 6.0
Rebate: 13.0
Seal gap: 5.0 - 13.0
Packaging: 2.1 m lengths



W62276 Stocked item

QL 3009 (AQ 21)

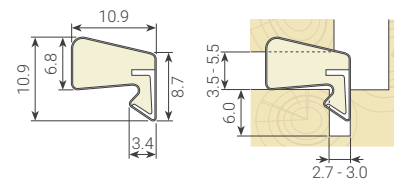
Groove width: 2.7 - 3.0
Min. groove depth: 6.0
Rebate: 11.0
Seal gap: 4.0 - 7.5
Packaging: 250 m x 2



W32266 Stocked item

QL 3011 (AQ 109)

Groove width: 2.7 - 3.0
Min. groove depth: 6.0
Rebate: 10.0
Seal gap: 3.5 - 5.5
Packaging: 250 m x 2



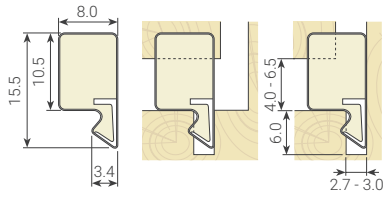
W35276 Stocked item

FOR TIMBER APPLICATIONS

Balance Systems

QL 3012 (AQ 33)

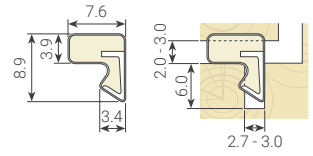
Groove width: 2.7 - 3.0
Min. groove depth: 6.0
Rebate: 11.0
Seal gap: 4.0 - 6.5
Packaging: 200 m x 2



W45276 Stocked item

QL 3013 (AQ 48)

Groove width: 2.7 - 3.0
Min. groove depth: 6.0
Rebate: 8.0
Seal gap: 2.0 - 3.0
Packaging: 350 m x 2



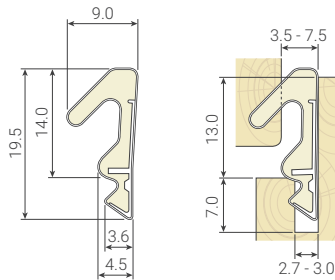
W15276 Stocked item

Schlegel Hardware

Truth Hardware

QL 3020 (AQ 124)

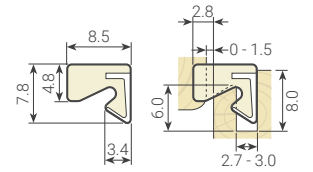
Groove width: 2.7 - 3.0
Min. groove depth: 7.0
Rebate: 13.0
Seal gap: 3.5 - 7.5
Packaging: 125 m x 2



W44266 Made to order

QL 3034

Groove width: 2.7 - 3.0
Min. groove depth: 8.0
Rebate: 8.5
Seal gap: 0.0 - 1.5
Packaging: 400 m x 2



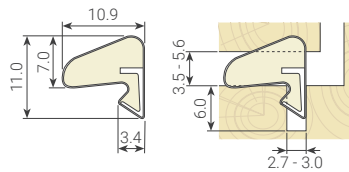
W36276 Made to order

Giesse

ERA

QL 3037 (AQ 4846)

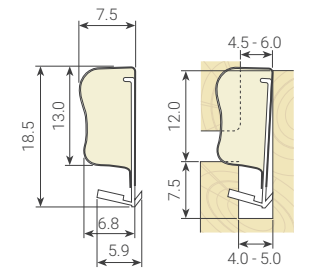
Groove width: 2.7 - 3.0
Min. groove depth: 6.0
Rebate: 10.0
Seal gap: 3.5 - 5.6
Packaging: 200 m x 2



W35266 Made to order

QL 3053

Groove width: 4.0 - 5.0
Min. groove depth: 7.5
Rebate: 12.0
Seal gap: 4.5 - 6.0
Packaging: 200 m x 2



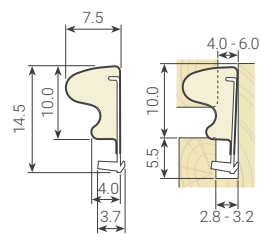
W35266 Made to order

Pile Seals

Bristle Brush

QL 3054

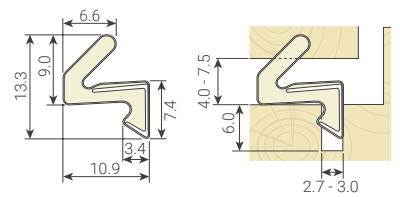
Groove width: 2.8 - 3.2
Min. groove depth: 5.5
Rebate: 10.0
Seal gap: 4.0 - 6.0
Packaging: 250 m x 2



W35276 Made to order

QL 3056

Groove width: 2.7 - 3.0
Min. groove depth: 6.0
Rebate: 9.0
Seal gap: 4.0 - 7.5
Packaging: 300 m x 2



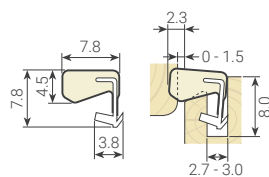
W35276 Made to order

Foam Seals

Four Seasons

QL 3070

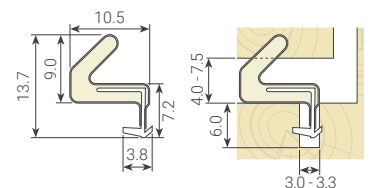
Groove width: 2.7 - 3.0
Min. groove depth: 8.0
Rebate: 8.0
Seal gap: 0.0 - 1.5
Packaging: 400 m x 2



W25266 Stocked item

QL 3078

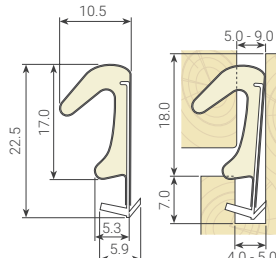
Groove width: 3.0 - 3.3
Min. groove depth: 6.0
Rebate: 10.5
Seal gap: 4.0 - 7.5
Packaging: 250 m x 2



W33266 Stocked item

QL 3109

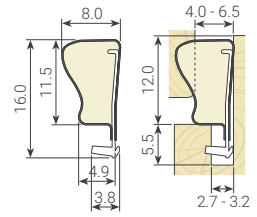
Groove width: 4.0 - 5.0
Min. groove depth: 7.0
Rebate: 18.0
Seal gap: 5.0 - 9.0
Packaging: 100 m x 2



W43276 Made to order

QL 3141

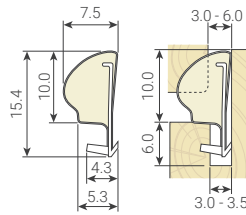
Groove width: 2.7 - 3.2
Min. groove depth: 5.5
Rebate: 12.0
Seal gap: 4.0 - 6.5
Packaging: 300 m x 2



W35255 Made to order

QL 3147

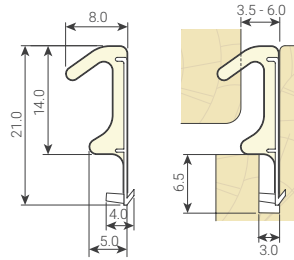
Groove width: 3.0 - 3.5
Min. groove depth: 6.0
Rebate: 10.0
Seal gap: 3.0 - 6.0
Packaging: 250 m x 2



W34266 Made to order

QL 3152

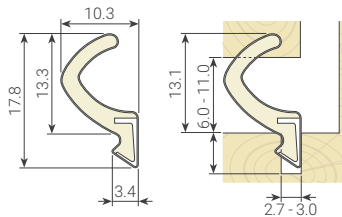
Groove width: 3.0
Min. groove depth: 6.5
Rebate: 14.0
Seal gap: 3.5 - 6.0
Packaging: 150 m x 2



W33266 Made to order

QL 5694 (AQ 5694)

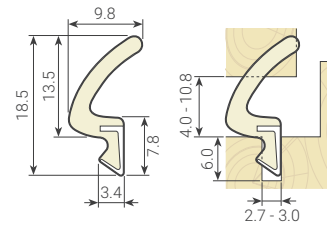
Groove width: 2.7 - 3.0
Min. groove depth: 6.0
Rebate: 10.0
Seal gap: 6.0 - 11.0
Packaging: 200 m x 2



W43266 Stocked item

QL 7000

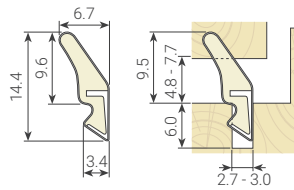
Groove width: 2.7 - 3.0
Min. groove depth: 6.0
Rebate: 13.0
Seal gap: 4.0 - 10.8
Packaging: 175 m x 2



W52266 Stocked item

QL 7066 (AQ 7066)

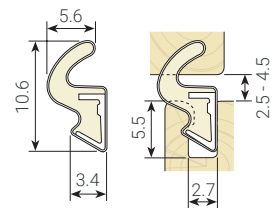
Groove width: 2.7 - 3.0
Min. groove depth: 6.0
Rebate: 10.0
Seal gap: 4.8 - 7.7
Packaging: 400 m x 2



W33266 Made to order

QL 9480

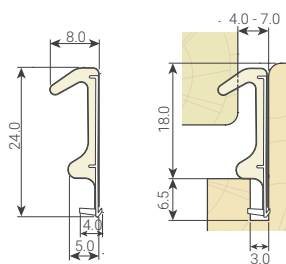
Groove width: 2.7 - 3.0
Min. groove depth: 5.5
Rebate: 9.0
Seal gap: 2.5 - 4.5
Packaging: 400 m x 2



W33276 Stocked item

QL 9613

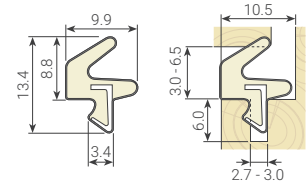
Groove width: 3.0
Min. groove depth: 6.5
Rebate: 18.0
Seal gap: 4.0 - 7.0
Packaging: 150 m x 2



W33276 Made to order

QL 9985

Groove width: 2.7 - 3.0
Min. groove depth: 6.0
Rebate: 10.0
Seal gap: 3.0 - 6.5
Packaging: 250 m x 2



W35276 Made to order



Year
Guarantee

Q-LON FOAM SEALS: PVC WINDOWS AND DOORS

The variety of flexible shapes and different colours makes these Q-Lon profiles particularly suited for sealing applications in window covering products such as roller shutters and screens. Fitted into PVC profiles, Q-Lon polyurethane foam seals generate noise dampening effects and help to minimise light and air leaks.

- Quick processing without corner cutting
- Not siliconised, neutral smell and no discolouration
- Low closing forces – low friction
- Available colours: white and black
- Other colours available on request

FOR PVC APPLICATIONS

QL 4465

Throat width: 4.2
 Min. groove depth: 5.7
 Seal gap: 3.0 - 4.8
 Packaging: 250 m x 2

W25266 Made to order

QL 4636

T-slot type: A (5.3 mm)
 Throat width: 3.2
 Min. slot depth: 2.3
 Seal gap: 1.0 - 2.5
 Packaging: 300 m x 2

Made to order

QL 9257

Throat width: 3.2
 Min. groove depth: 4.4
 Seal gap: 4.5 - 7.1
 Packaging: 300 m x 2

W33276 Stocked item

QL 9898

Throat width: 3.2
 Min. groove depth: 4.9
 Seal gap: 3.0 - 5.5
 Packaging: 300 m x 2

W35276 Made to order

QL 9926

Throat width: 3.2 - 3.4
 Min. groove depth: 5.0
 Seal gap: 3.0 - 7.5
 Packaging: 300 m x 2

W33276 Made to order

QL 9928

Throat width: 3.2 - 3.4
 Min. groove depth: 3.9
 Seal gap: 3.0 - 7.5
 Packaging: 300 m x 2

W34276 Made to order

Balance
Systems

Schlegel
Hardware

Truth
Hardware

Giesse

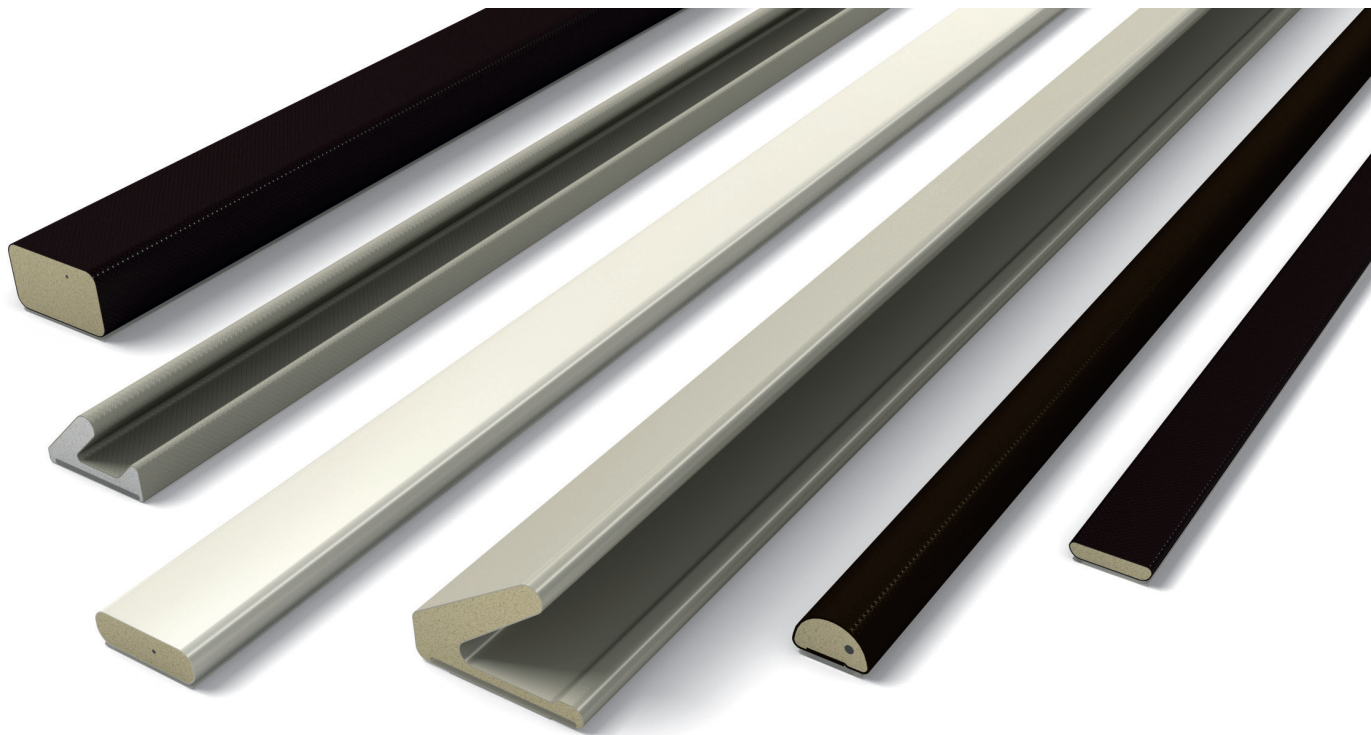
ERA

Pile
Seals

Bristle
Brush

Foam
Seals

Four
seasons



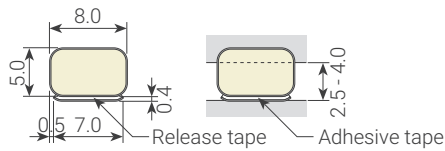
Year
Guarantee

Q-LON FOAM SEALS: UNIVERSAL SURFACE FITTING

- Liner resists wear and protects against U.V. light, ozone and water
- Is not affected by paints, stains, preservatives or solvents
- Pre-applied adhesive tape gives firm fixing to both metal and wood
- Quick installation, no need to wait for curing time
- Very effective barrier against air and water infiltration
- Easy to clean
- Non shrink
- Available colours: white, black, bronze
- Other configurations and colours available upon request

FOR UNIVERSAL SURFACE FITTING

ZERO GAP (QL 3015) TAPED

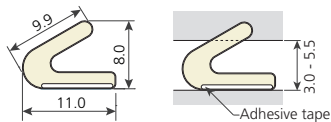


Width: 8.0
Height: 5.0
Rebate: 8.0
Seal gap: 2.5 - 4.0

Code	Colour	Length (m)
ZG25B	Black	25
ZGW25	White	25
ZG50B	Black	50
ZGW50	White	50
ZG100B	Black	100
ZG100	White	100
ZG500	White	500
ZG500B	Black	500

W25276 Stocked item

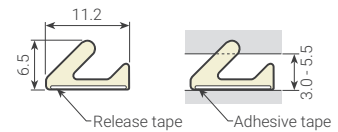
QL 3116 TAPED



Width: 10.8
Height: 8.7
Rebate: 11.0
Seal gap: 3.0 - 5.5
Packaging: 300 m x 2

W34266 Stocked item

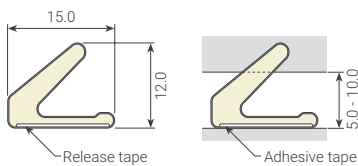
QL 3117 TAPED



Width: 11.2
Height: 6.5
Rebate: 11.0
Seal gap: 3.0 - 5.5
Packaging: 400 m x 2

W23266 Made to order

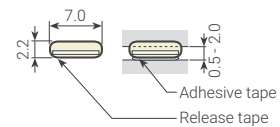
QL 3121 TAPED



Width: 15.0
Height: 12.0
Rebate: 15.0
Seal gap: 5.0 - 10.0
Packaging: 225 m x 2

W32266 Made to order

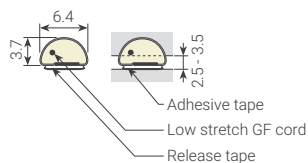
QL 3122 TAPED



Width: 7.0
Height: 2.2
Rebate: 7.0
Seal gap: 0.5 - 2.0
Packaging: 200 m x 2

W17276 Made to order

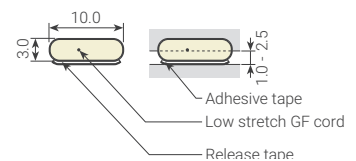
QL 3124 TAPED



Width: 6.4
Height: 3.7
Rebate: 6.0
Seal gap: 2.5 - 3.5
Packaging: 1000 m x 2

W16276 Made to order

QL 3126 TAPED



Width: 10.0
Height: 3.0
Rebate: 10.0
Seal gap: 1.0 - 2.5
Packaging: 700 m x 2

W17276 Made to order

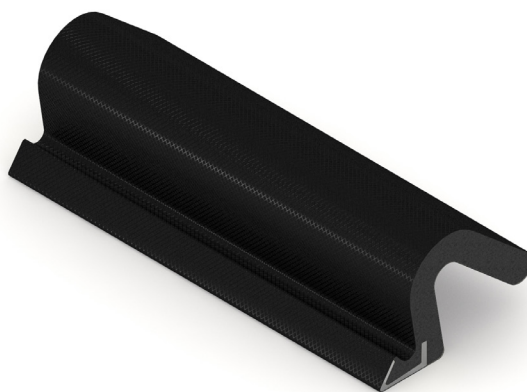
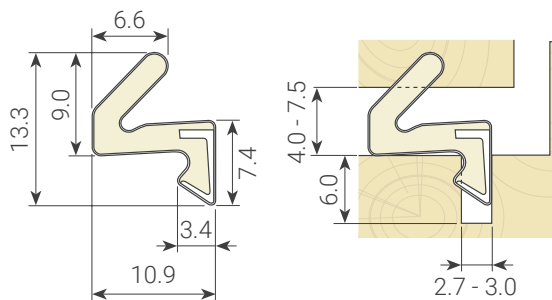
AQ21FR:

INTUMESCENT FOAM SEAL

Code	Colour	Seal gap (mm)	Length (m)
AQ21BFR	Black	4.00 - 7.50	250

* FR = Intumescent foam

AQ21BFR with intumescent foam meets AS3959 BAL40 DTS seal requirement of flammability not greater than 5.

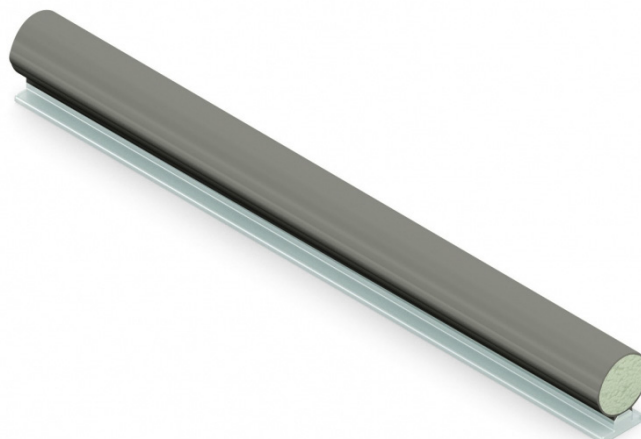
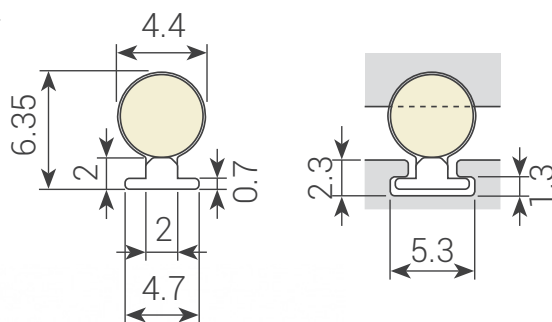


FT32001:

FOAM-TITE

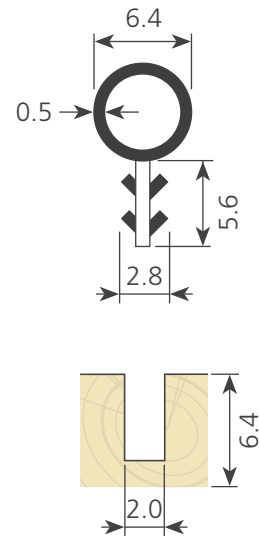
100% closed cell to prevent water from penetrating foam structure. Extruded skin provides a unique UV resistant barrier with design features that enhance the weather strip's sealing performance.

Code	Colour	Compression	Length (m)
FT32001B	Black	25 - 50%	762



AP425: APTUS

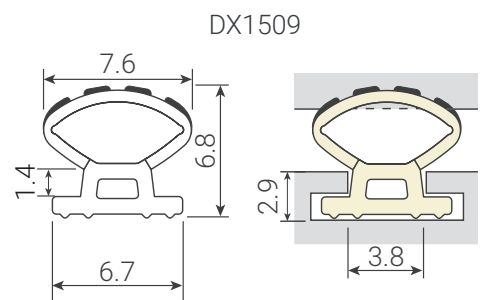
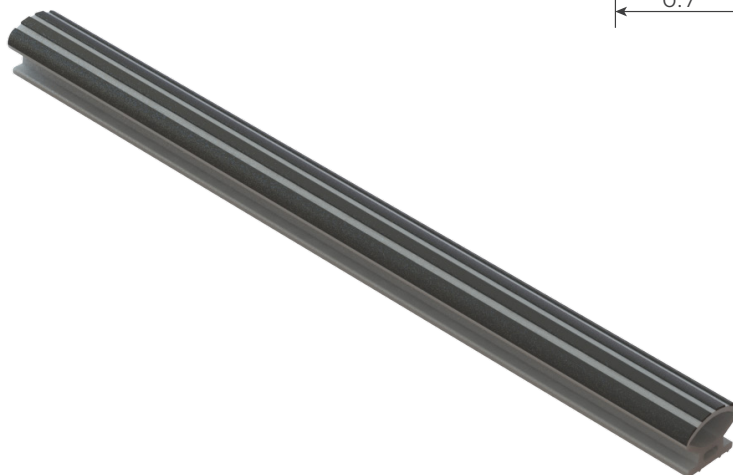
Code	Colour	Seal gap (mm)	Length (m)
AP425BLK	Black	0.5 - 5.9	382
AP425BE	Beige	0.5 - 5.9	382



DX1509: FOR SLIDING APPLICATIONS

The special geometry and material properties of the DX sliding seals give the window or door an optimum insulation to the atmospheric agents, providing excellent resistance to air, water and wind. The seal allows the fluid movement of the door, minimising friction during sliding, thanks to the use of teflon coated strips.

Code	Description	Seal gap (mm)	Length (m)
DX1509	6.7 mm Sliding Seal	3.0 - 3.5	500



FOUR SEASONS

EXTERNAL DOOR SEALING SYSTEMS

Balance
Systems

Schlegel
Hardware

Truth
Hardware

Giesse

ERA

Pile
Seals

Bristle
Brush

Foam
Seals

Four
seasons



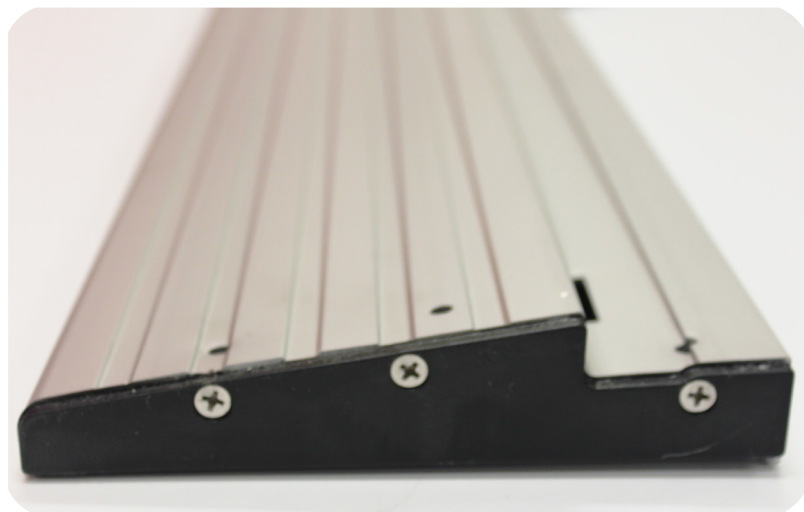
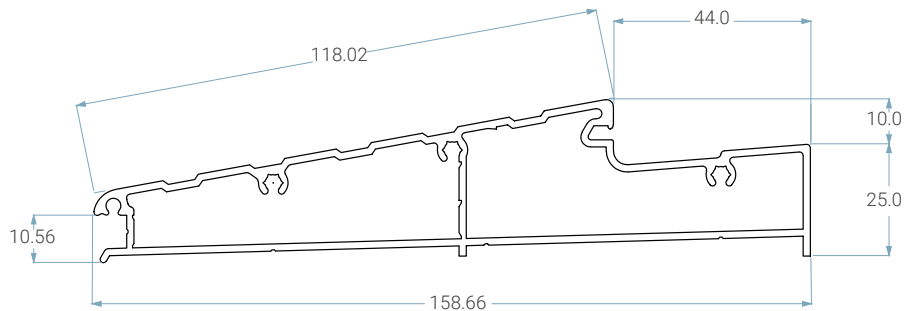
Year
Guarantee

WINSTORM: ALUMINIUM SELF DRAINING DOOR SILL

In-swing door sill that effectively seals your door entrance from water penetration, air leaks and energy loss.

- Single and double doors
- Durable and long lasting anodised aluminium
- Reduces air infiltration for energy efficiency and noise reduction
- Supplied with protective tape to prevent damage during construction stage
- Creates perimeter seal on frame so no seals are required on the door itself
- Reduces potential rotting timber frame and warranty claims
- Tested to 200 Pa water penetration resistance
- Generous tread pattern to reduce slip risk
- Various standard widths available
- Custom sizes available on request
- Anodised silver finish

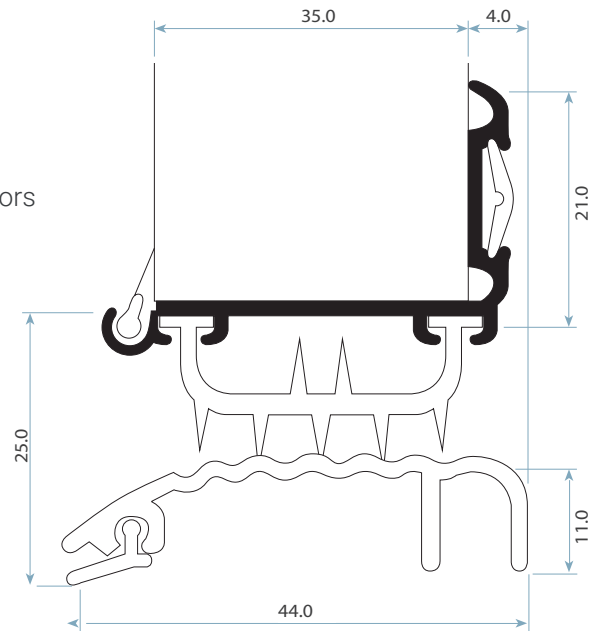
Code	Length (mm)
WS886	886
WS936	936
WS986	986
WS1086	1086
WS1210	1210
WS1266	1266
WS1316	1316
WS1330	1330
WS1450	1450
WS1570	1570
WS1690	1690
WS1697	1697
WS1719	1719
WS1800	1800
WS2000	2000
WS2919	2919
WS3000	3000



FS4: STORM SEAL

Robust storm seal is ideal for severe weather conditions.

- Sealing can be adjusted (grey coloured silicone rubber seal)
- Anodised aluminium threshold plate
- Satin clear (silver) finish, bronze and gold
- Easy installation and maintenance for sill and door
- Location: door bottom and sill of single and double butt hinged doors
- Fixing screws supplied

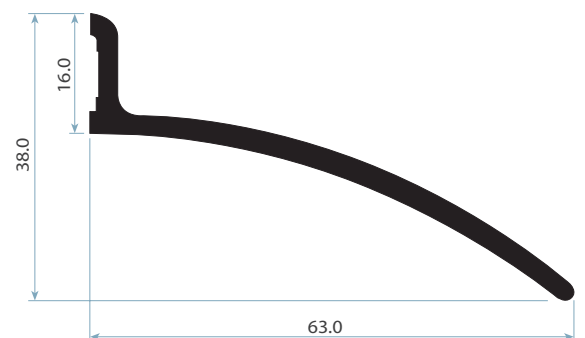


Code	Finish	Length (mm)
FS4925BPSLFR	Silver	925
FS41220BPSLFR	Silver	1220
FS42000BPSLFR	Silver	2000

FS67: DRIP SEAL

An allowance of 50 mm overlap is required for each side of the door opening.

Drip seal protects exposed doors by channelling water away, particularly outward opening doors.

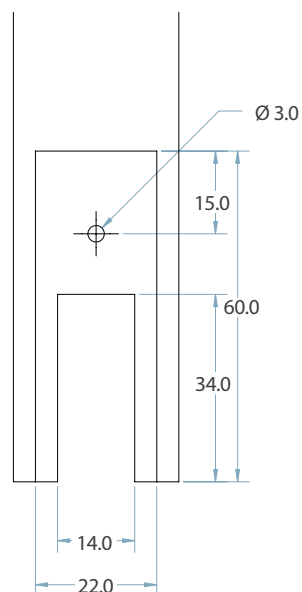
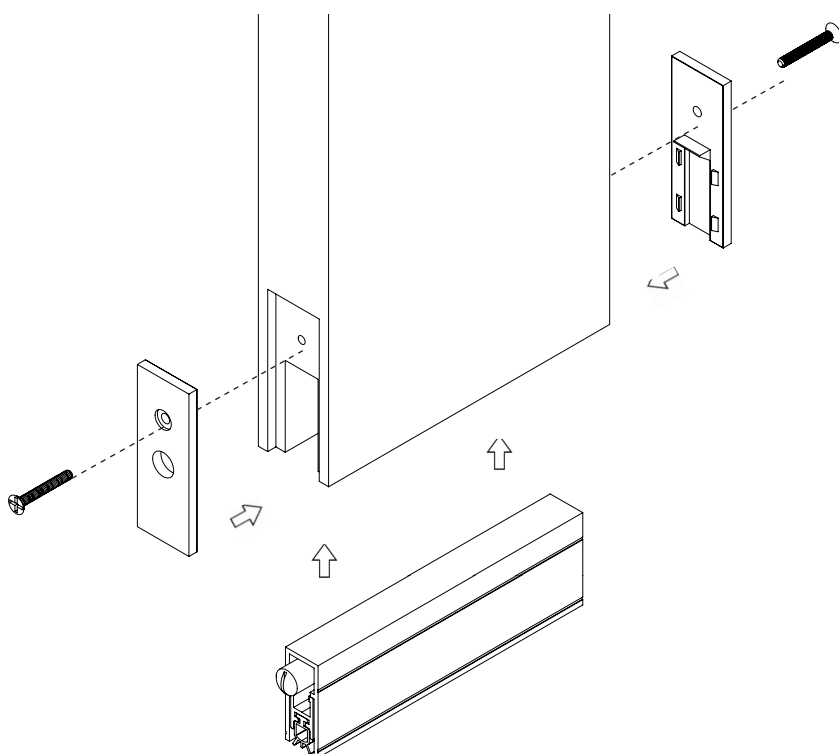
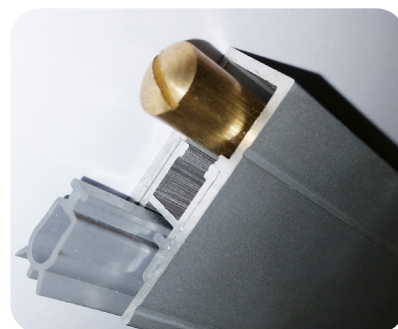


Code	Length (mm)
FS671000BPSL	1000

FS8: DROP DOWN SEAL

This innovative seal automatically drops down from within the door bottom upon closing, and lifts quickly off the floor when the door is opened (spring loaded). Drop down door seal is for timber single and double butt hinged doors. Adjustment strike block screw for sealing adjustment, concealed from view and anodised aluminium.

Code	Door Groove (mm)	Gap range (mm)	Length (mm)
FS8820NFCA	14 x 34	3 - 13	820
FS8915NFCA	14 x 34	3 - 13	915
FS81000NFCA	14 x 34	3 - 13	1000
FS81220NFCA	14 x 34	3 - 13	1220

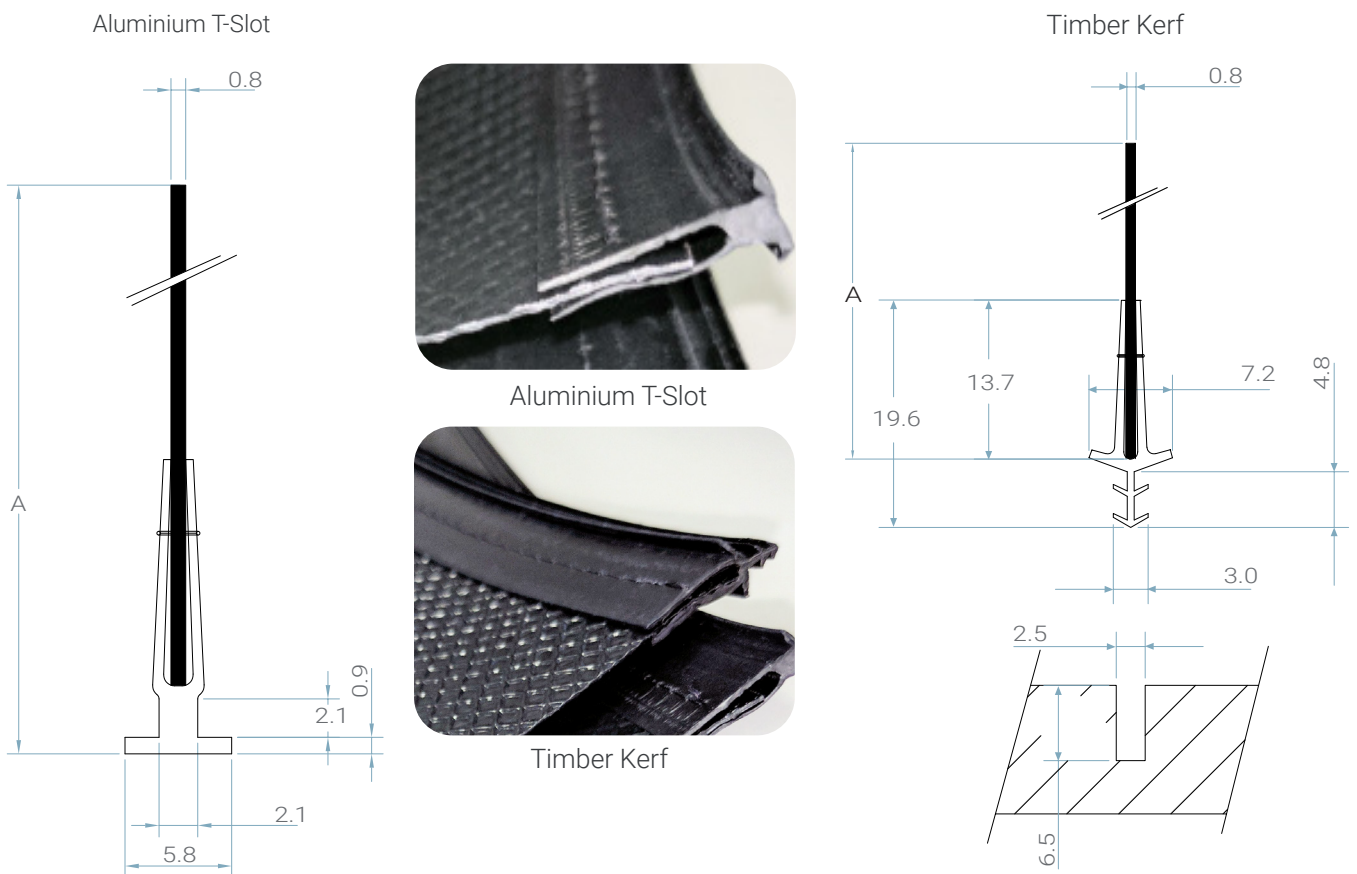


DAMPSEAL:

FLASHING FOR ALUMINIUM & TIMBER

Schlegel offer an unparalleled range of high quality window and door sealing products across all typologies and material types, from residential timber applications through to commercial heavy-duty aluminium. Schlegel also offer unique products to flash the window or door and protect the opening from the elements, which is particularly pertinent given recent weather events and as we move into the winter months.

Dampseal push-in and slide-in flashing has been designed for quick and easy installation by incorporating rigid extruded profiles for insertion into the standard timber kerf and aluminium t-slot typically used for seals. This makes Dampseal not only a quick and simple product to install, but the application method prevents the potentially hazardous practice of holding flashing in place while stapling it to the product. Incorporate Schlegel Dampseal into your product designs to meet the increasing demands for flashing, weather performance and damp prevention in all types of windows and doors.



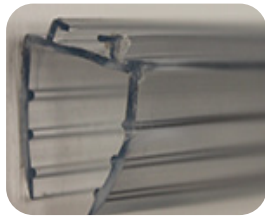
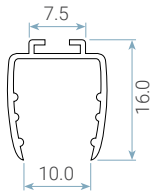
Recommended sawcut dimensions

Code	Description	Size A (mm)	Length (m)
DAMPSEALSEW	Aluminium T-Slot - Black	150	30
DAMPSEALSEW230	Aluminium T-Slot - Black	230	30
DAMPSEALSEWP7	Timber Kerf Slot - Black	150	30
DAMPSEALSEW230P7	Timber Kerf Slot - Black	230	30

*Other sizes available on request will be made to order and may be subject to minimum order quantities

GLASS CLIP EDGE: WITH WEATHERSEAL

DGCE123



Codes refer to the size of the glass:

DGCE12 = glass size of 12 mm thickness.

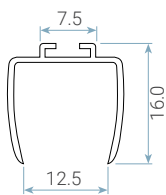
DGCE15 = glass size of 15 mm thickness.

All seal entry points are 7.5 mm width.

Glass 6 mm and 8 mm suits 4.8 T-Slot

Glass size 12 mm and above suits 6.9 T-Slot

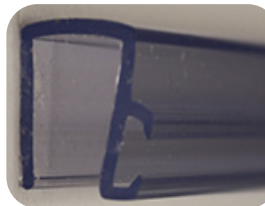
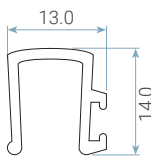
DGCE153



Clip Edge

Code	Type	Glass (mm)	T-Slot (mm)	Length (m)
DGCE123	Inline	12.00	6.9	3
DGCE153	Inline	15.00	6.9	3
DGCE63	Side	6.00	4.8	3
DGCE83	Side	8.00	4.8	3
DGCE123A250	Side	12.00	4.8	3
DGCE123	Side	12.00	6.9	3

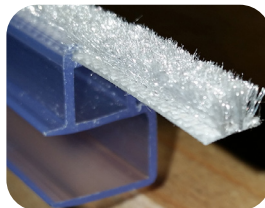
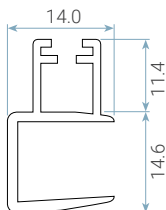
DGCE123A250



Clip edge + Pile

Code	Type	Glass (mm)	Pile-Colour	Length (m)
DGCE12369504	Inline	12.00	PB69504 (Grey)	3
DGCE15369504	Inline	15.00	PB69504 (Grey)	3
DGCE12369504	Side	12.00	PB69504 (Grey)	3
DGCE12369504B	Side	12.00	PB69504B (Black)	3

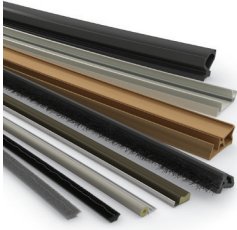
DGCE123



BB Adaptor



Code	Type	T-Slot (mm)	Colour	Length (m)
BB69AD	BB Adaptor	6.9	Black	3



Schlegel

High performance sealing solutions



GIESSE

Innovative engineered hardware



REGUITTI

Italian design handles



JATEC

Timeless exclusive handles



TYMAN

International

Care has been taken to ensure that the contents of this publication are accurate, but Tyman International and its subsidiary companies do not accept responsibility for errors or for information that is found to be misleading. Suggestions for, or description of, the end use or application of products or methods of working are for information only. Schlegel reserve the right to change specification without prior notice.

Tyman International's names and logos and all related trademarks (including 'SCHLEGEL', 'SCHLEGEL Red Square Logo', 'Red Square Logo', trade names, and other intellectual property are the property of Schlegel Acquisition Holdings Limited trading as Schlegel International and cannot be used without its express prior written permission. All rights reserved.

© Schlegel Acquisition Holdings Limited trading as Tyman International.

Head Office:

44 Riverside Road
Chipping Norton, NSW 2170
Ph: +61 2 8707 2000 Fax: +61 2 8707 2070
Email: salesnsw@tyman.com

Western Australia:

3 / 45 Truganina Road
Malaga, WA 6090
Ph: +61 8 9224 9600 Fax: +61 8 9248 4855
Email: saleswa@tyman.com