ISSUE 16B

SEALS+DIRECT

SOLVE YOUR SEALING PROBLEMS

MARINE INDUSTRIAL CARAVAN AUTOMOTIVE

01425 617722
www.sealsdirect.co.uk

Thank you for requesting our catalogue. We have tried to keep it as informative and simple as possible. If you are unable to find the sizes or products that you require, contact us and we will be pleased to source them for you. The materials used to manufacture the majority of the rubber sections are resistant to weathering, sea water, etc.

HOW TO ORDER

Orders can either be placed online via our website, telephone, e-mail or fax. If for any reason our answer-phone is on please leave a message and we will return your call as soon as we possibly can. All stock items are normally dispatched within 24 hours. Non stock items may take longer. We will inform you if there is likely to be a delay in delivery.

POST AND PACKAGING

See price list for details of carriage costs. Please note that due to its density rubber is heavy, hence this affects the cost of postage.

Goods are sent by either post or carrier (which will require a signature upon delivery).

Extra heavy items may incur an additional charge.

For overseas rates (including Ireland, Highlands and Islands) please enquire.

PAYMENT

Either by credit card, debit card, BACS, PayPal, cash or cheque made payable to Seals + Direct Ltd.

We are able to issue pro-forma invoices if required. Trade accounts can be set up on receipt of satisfactory references.

SAMPLES

If you are unsure whether a product will be suitable for your application, we will send a sample for you to try. We try and keep samples of all of the products listed, however some may not be available.

DISCOUNTS

Quantity or trade discounts may apply. Please contact us for details.

CONTACTING US

Our normal office hours are 8.30am to 5.00pm, Monday to Friday. Answerphone outside these hours.

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Please note: It should be appreciated that the information given here is, to the best of our knowledge, true and accurate. However the conditions to which our products are used are out of our control and are supplied without warranty or guarantee. All actual size drawings are reproduced as best as possible to the exact sizes. E&OE.

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COIL LENGTH AVAILABLE BY THE METRE

SEALS+DIRECT

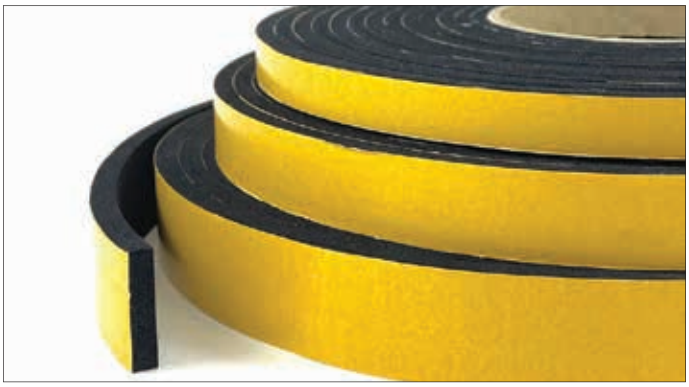
Adhesive backed expanded neoprene strip
Adhesive backed expanded neoprene sheet
Plain expanded neoprene strip
Plain expanded neoprene sheet
Expanded neoprene (skinned on 4 sides)
Expanded silicone strip SIL16 White (skinned on 4 sides)
Expanded neoprene cord
Expanded neoprene 1/2 round cord
Expanded silicone cord SIL16 White
Sponge rubber sections
Sponge rubber sections (Automotive)
Watertight door and hatch seals
Combination seals

Please also see the other sections in our catalogue as all of our seals and trims are universal and have many applications. They do not have to be used for their exact application as specified.

Adhesive Backed Expanded Neoprene Strip

This sticky backed closed cell material is suitable for making a watertight seal on boat hatches, lockers, car boots, enclosures, cabinets, etc. Just peel off the backing paper and stick in place.

The adhesive backing tape used is not fully resistant to water, therefore where there is a large amount of moisture or water present it is advisable to use plain expanded neoprene and a good waterproof contact adhesive, such as our order code A 262. Coil size = 6 metres (made up of 2 metre lengths bonded together).



ORDER CODE	WIDTH MM	THICKNESS MM
AEN 1	12	3
AEN 2	12	5
AEN 3	12	6
AEN 4	19	3
AEN 5	19	5
AEN 6	19	6

ORDER CODE	WIDTH MM	THICKNESS MM
AEN 7	19	10
AEN 8	19	12
AEN 9	25	3
AEN 10	25	5
AEN 11	25	6
AEN 12	25	10
AEN 13	25	12
AEN 14	25	19
AEN 889	50	3
AEN 2825	50	5
AEN 1270	50	10
AEN 2996	38	25

EXP CR/EPDM

6 METRE COIL

OTHER SIZES AVAILABLE - PLEASE ENQUIRE

Adhesive Backed Expanded Neoprene Sheet

ORDER CODE	THICKNESS MM
AENS 3211	3
AENS 3212	5
AENS 3213	6
AENS 3214	10
AENS 3215	12
AENS 3216	19
AENS 3217	25

EXP CR/EPDM

SUPPLIED IN 2000MM X 1000MM SHEETS

OTHER SIZES AVAILABLE - PLEASE ENQUIRE

COIL LENGTH AVAILABLE BY THE METRE

Plain Expanded Neoprene Strip

This closed cell material is suitable for making a watertight seal on boat hatches, lockers, car boots, enclosures, cabinets, etc. To bond into place use a good contact adhesive such as our order code A 139 or A 262 if there is a large amount of moisture or water present.

Coil size = 6 metres (made up of 2 metre lengths bonded together).

ORDER CODE	WIDTH MM	THICKNESS MM
PEN 15	12	3
PEN 16	12	5
PEN 17	12	6
PEN 18	19	3

ORDER CODE	WIDTH MM	THICKNESS MM
PEN 19	19	5
PEN 20	19	6
PEN 21	19	10
PEN 22	19	12
PEN 23	25	3
PEN 24	25	5
PEN 25	25	6
PEN 26	25	10
PEN 27	25	12
PEN 28	25	19
PEN 1734	38	25

EXP CR/EPDM

6 METRE COIL

OTHER SIZES AVAILABLE - PLEASE ENQUIRE

Plain Expanded Neoprene Sheet

ORDER CODE	THICKNESS MM
PENS 3218	3
PENS 3219	5
PENS 3220	6
PENS 3221	10
PENS 3222	12
PENS 3223	19
PENS 3224	25

EXP CR/EPDM

SUPPLIED IN 2000MM X 1000MM SHEETS

OTHER SIZES AVAILABLE - PLEASE ENQUIRE

COIL LENGTH

AVAILABLE BY THE METRE

Expanded Neoprene (skinned on 4 sides)

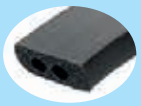
This closed cell material which is skinned on all 4 sides is suitable for making a watertight seal on boat hatches, car boots, enclosures, cabinets, etc. To bond into place use a good contact adhesive such as our order code A 139 or A 262 if there is a large amount of moisture or water present.

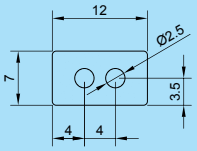
SEN 151

EXP CR

25 METRE COIL

BY THE METRE



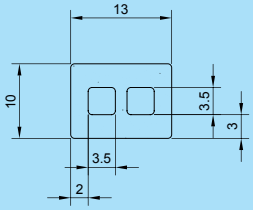


SEN 152

EXP CR

50 METRE COIL

BY THE METRE

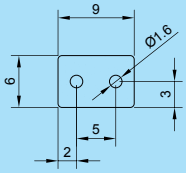


SEN 196

EXP CR

50 METRE COIL

BY THE METRE

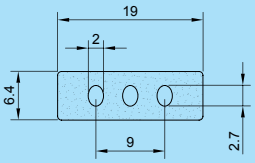


SEN 4072

EXP CR

100 METRE COIL

BY THE METRE

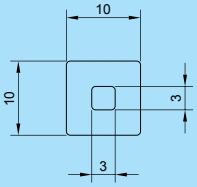


SEN 197

EXP CR

50 METRE COIL

BY THE METRE

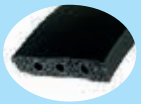


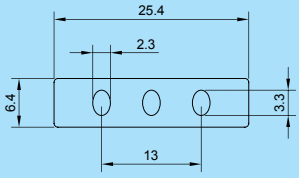
SEN 4071

EXP CR

100 METRE COIL

BY THE METRE





Expanded Silicone Strip SIL16 White (skinned on 4 sides)

ORDER CODE	WIDTH MM	THICKNESS MM
ES 4217	10	3
ES 4218	25	3
ES 4219	6	6
ES 4220	12	6
ES 4221	25	6
ES 4222	50	6
ES 4223	10	10

CONTINUED OVER

COIL LENGTH

AVAILABLE BY THE METRE

Expanded Silicone Strip SIL16 White (skinned on 4 sides) continued

ORDER CODE	WIDTH MM	THICKNESS MM
ES 4224	12	10
ES 4225	25	10
ES 4226	50	10
ES 4227	25	12
ES 4228	20	20
ES 4229	30	20
ES 4230	40	20
ES 4231	25	25

EXP SIL

25 METRE COIL

BY THE METRE

ORDER CODE	WIDTH MM	THICKNESS MM
ES 4232	50	25
ES 4233	35	35

EXP SIL

10 METRE COIL

BY THE METRE

OTHER SIZES AVAILABLE - PLEASE ENQUIRE

Expanded Neoprene Cord

This closed cell material is ideal as a soft seal for many applications. It can be formed into endless rings using superglue, our order code A 3288.

ORDER CODE			DIAMETER MM
ENC 82	750 METRE COIL	BY THE METRE	3
ENC 2222	1000 METRE COIL	BY THE METRE	4

ORDER CODE			DIAMETER MM
ENC 83	750 METRE COIL	BY THE METRE	5
ENC 84	500 METRE COIL	BY THE METRE	6
ENC 85	300 METRE COIL	BY THE METRE	8
ENC 86	200 METRE COIL	BY THE METRE	10
ENC 87	50 METRE COIL	BY THE METRE	12
ENC 612	50 METRE COIL	BY THE METRE	16
ENC 613	25 METRE COIL	BY THE METRE	19
ENC 614	25 METRE COIL	BY THE METRE	25

EXP CR

OTHER SIZES AVAILABLE - PLEASE ENQUIRE

COIL LENGTH

AVAILABLE BY THE METRE

Expanded Neoprene 1/2 Round Cord

This closed cell material can be used for hatch or door seals. It can be bonded in place using a contact adhesive such as our order code A 139 or A 262.

ORDER CODE	BASE MM	HEIGHT MM
ENHC 88	6	3
ENHC 89	8	4
ENHC 90	10	5
ENHC 91	13	6.5
ENHC 92	16	8
EXP CR		
50 METRE COIL		
BY THE METRE		
ENHC 93	19	9.5
ENHC 94	25	12.5
EXP CR		
25 METRE COIL		
BY THE METRE		

Expanded Silicone Cord SIL16 White

ORDER CODE	DIAMETER MM
ESC 4234	3
ESC 4235	5
ESC 4236	6
ESC 4237	8
ESC 4238	10
ESC 4239	12
ESC 4240	15
ESC 4241	20
ESC 4242	25
EXP SIL	
25 METRE COIL	
BY THE METRE	

OTHER SIZES AVAILABLE - PLEASE ENQUIRE

COIL LENGTH AVAILABLE BY THE METRE

Sponge Rubber Sections

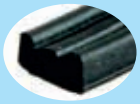
These sponge rubber sections are ideal for various applications. The sections that are not adhesive backed can be bonded in place with either our order code SAT 3166, SAT 3167 double sided tape or our order code A 139 or A 262 contact adhesive.

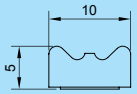
SRS 2117

EXP EPDM

100 METRE COIL

BY THE METRE





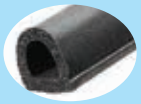
ADHESIVE BACKED

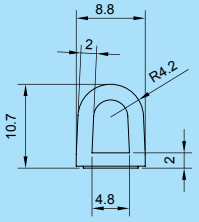
SRS 1707

EXP EPDM

50 METRE COIL

BY THE METRE





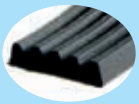
ADHESIVE BACKED

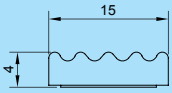
SRS 3293

EXP EPDM

100 METRE COIL

BY THE METRE





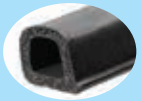
ADHESIVE BACKED

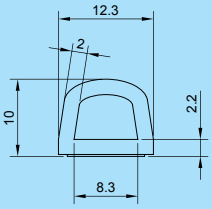
SRS 1708

EXP EPDM

75 METRE COIL

BY THE METRE





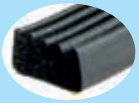
ADHESIVE BACKED

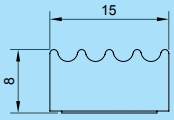
SRS 2836

EXP EPDM

50 METRE COIL

BY THE METRE





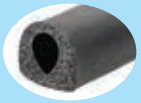
ADHESIVE BACKED

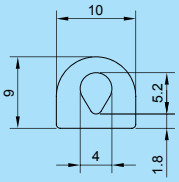
SRS 1884

EXP EPDM

100 METRE COIL

BY THE METRE



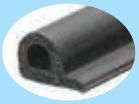


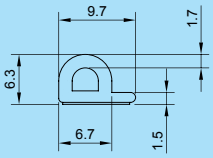
SRS 1706

EXP EPDM

100 METRE COIL

BY THE METRE





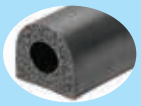
ADHESIVE BACKED

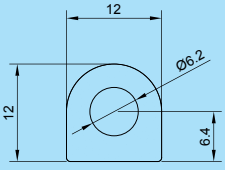
SRS 1885

EXP EPDM

20 METRE COIL

BY THE METRE





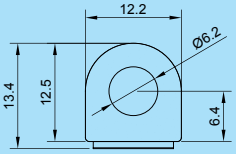
COIL LENGTH

AVAILABLE BY THE METRE

Sponge Rubber Sections continued

SRS 2873
EXP EPDM

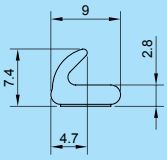
25 METRE COIL
BY THE METRE



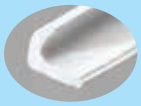
ADHESIVE BACKED

SRS 1709
EXP EPDM

100 METRE COIL
BY THE METRE

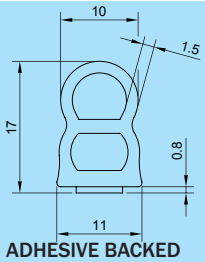


ADHESIVE BACKED



SRS 4073
EXP EPDM

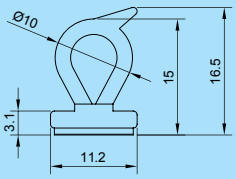
50 METRE COIL
BY THE METRE



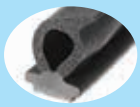
ADHESIVE BACKED

HHS 624
EPDM+EXP EPDM

50 METRE COIL
BY THE METRE

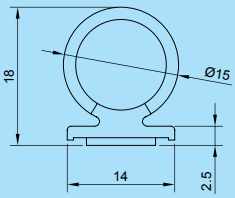


ADHESIVE BACKED



SRS 3292
EPDM+EXP EPDM

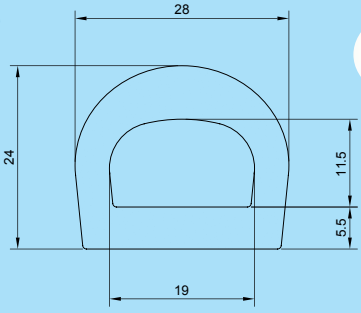
40 METRE COIL
BY THE METRE

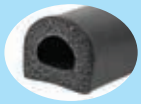


ADHESIVE BACKED

SRS 1886
EXP EPDM

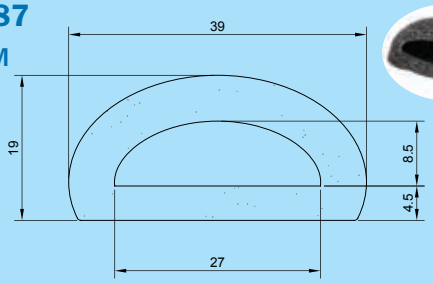
30 METRE COIL
BY THE METRE





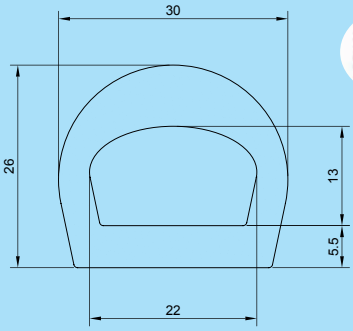
SRS 1887
EXP EPDM

50 METRE COIL
BY THE METRE



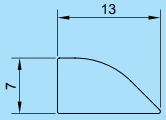
SRS 1888
EXP EPDM

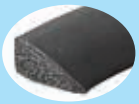
20 METRE COIL
BY THE METRE



SRS 1890
EXP EPDM

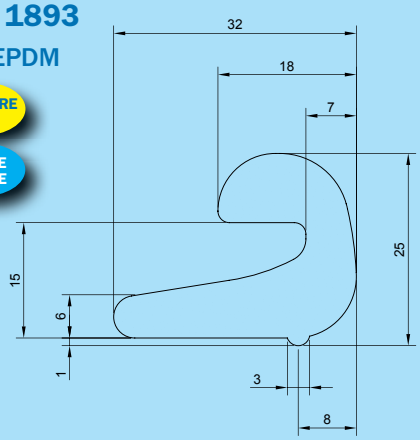
100 METRE COIL
BY THE METRE





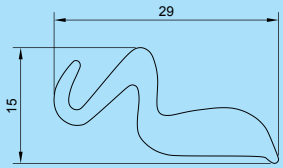
SRS 1893
EXP EPDM

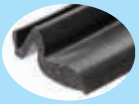
50 METRE COIL
BY THE METRE



SRS 1894
EXP EPDM

40 METRE COIL
BY THE METRE



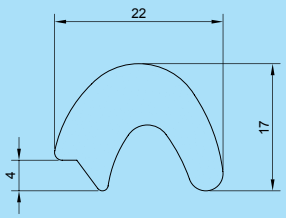


COIL LENGTH
AVAILABLE BY THE METRE

Sponge Rubber Sections continued

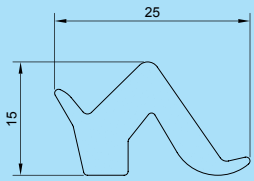
SRS 1896
EXP EPDM

100 METRE COIL
BY THE METRE

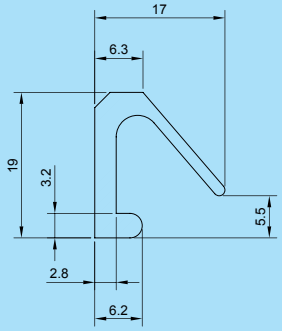


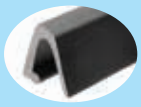
SRS 1897
EXP EPDM

50 METRE COIL
BY THE METRE



SRS 1898
EPDM

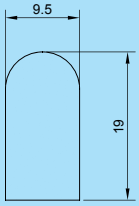




SOFT SOLID
SUPPLIED AS A 1.16 METRE LENGTH

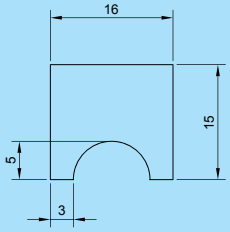
SRS 1899
EXP EPDM

50 METRE COIL
BY THE METRE



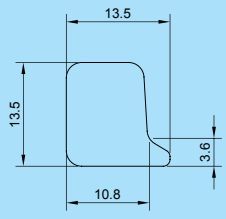
SRS 1900
EXP EPDM

50 METRE COIL
BY THE METRE



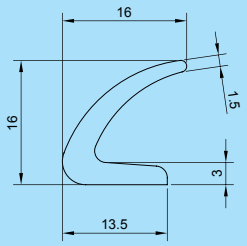
SRS 1901
EXP EPDM

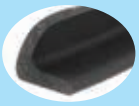
50 METRE COIL
BY THE METRE



SRS 1902
EXP EPDM

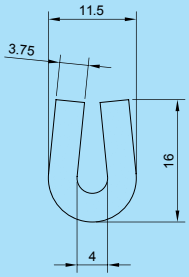
50 METRE COIL
BY THE METRE

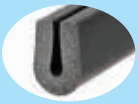




SRS 1903
EXP EPDM

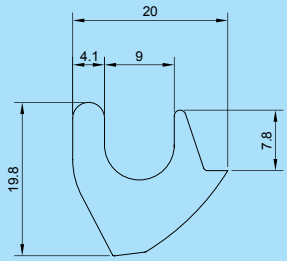
50 METRE COIL
BY THE METRE





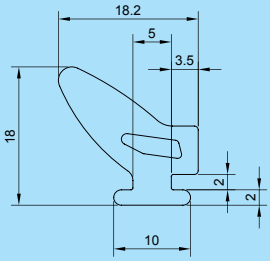
SRS 1904
EXP EPDM

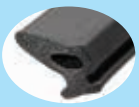
50 METRE COIL
BY THE METRE



SRS 1905
EXP EPDM

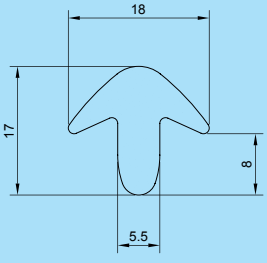
50 METRE COIL
BY THE METRE





SRS 806
EXP EPDM

30 METRE COIL
BY THE METRE

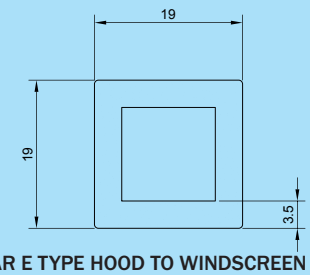


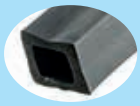
COIL LENGTH
AVAILABLE BY THE METRE

Sponge Rubber Sections (Automotive)

SRS 1906
EXP EPDM

50 METRE COIL
BY THE METRE

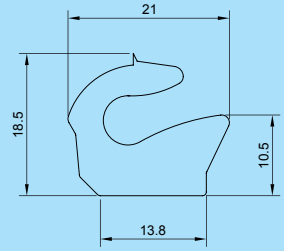


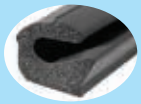


JAGUAR E TYPE HOOD TO WINDSCREEN SEAL
BD 17413

SRS 1907
EXP EPDM

50 METRE COIL
BY THE METRE

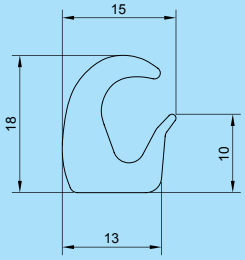


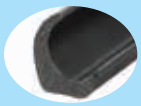


JAGUAR MK2 TYPE BOOT SEAL
BD 14100

SRS 1908
EXP EPDM

50 METRE COIL
BY THE METRE

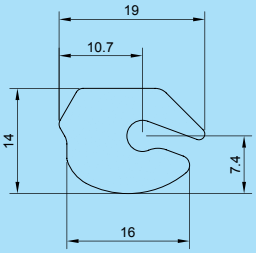


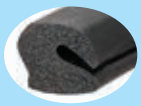


JAGUAR E TYPE TAILGATE SEAL
BD 23347

SRS 1909
EXP EPDM

50 METRE COIL
BY THE METRE

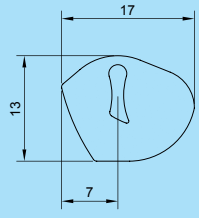




JAGUAR XK TYPE BOOT SEAL
BD 4875

SRS 1910
EXP EPDM

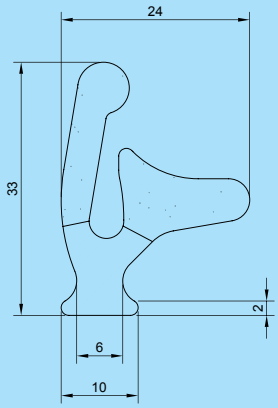
50 METRE COIL
BY THE METRE

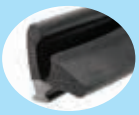


JAGUAR XK RUBBER FOR DHC
BD 4814

SRS 1911
EPDM+EXP EPDM

40 METRE COIL
BY THE METRE

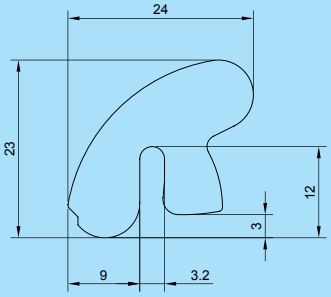




JAGUAR XJ6 TYPE SERIES 2, 2 DOOR COUPE
BD 44122

SRS 1912
EXP EPDM

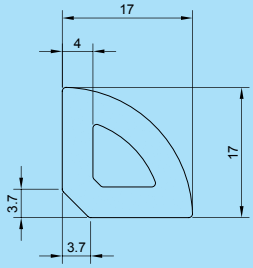
50 METRE COIL
BY THE METRE

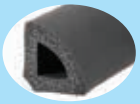


JAGUAR MK2 TYPE BONNET REST
BD 4920/3

SRS 1913
EXP EPDM

50 METRE COIL
BY THE METRE

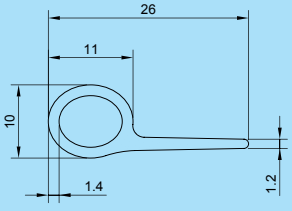


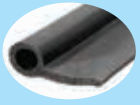


MORRIS TRAVELLER REAR DOOR SEAL

SRS 1914
EXP EPDM

50 METRE COIL
BY THE METRE





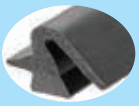
TRIUMPH HERALD & SPITFIRE DOOR SEAL

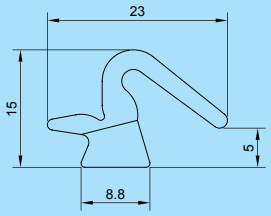
COIL LENGTH
AVAILABLE BY THE METRE

Sponge Rubber Sections (Automotive) continued

SRS 1915
EPDM+EXP EPDM

50 METRE COIL
BY THE METRE

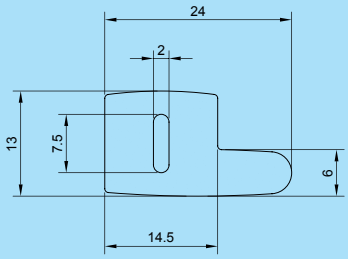




TRIUMPH TR2 & TR3B TYPE HOOD & DOOR SEAL

SRS 1919
EXP EPDM

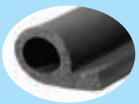
50 METRE COIL
BY THE METRE

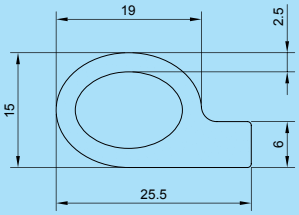


MGB TYPE RADIATOR & BONNET SEAL

SRS 1916
EXP EPDM

50 METRE COIL
BY THE METRE

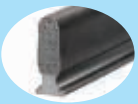


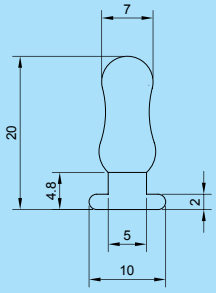


TRIUMPH TR6 TYPE SECTION

SRS 1920
EPDM+EXP EPDM

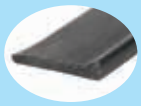
50 METRE COIL
BY THE METRE

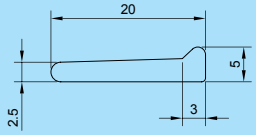




MGB TYPE INNER TAILGATE SEAL

SRS 1917
EXP EPDM

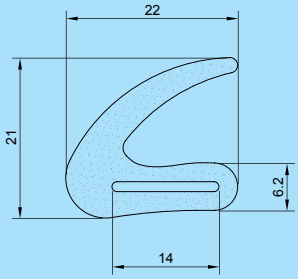




TRIUMPH TR4 - TR6 TYPE TUNNEL SEAL
SUPPLIED AS A 1.3 METRE LENGTH

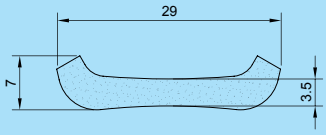
SRS 1922
EXP EPDM

50 METRE COIL
BY THE METRE



LAND ROVER DOOR SEAL

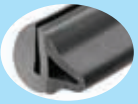
SRS 1918
EXP EPDM

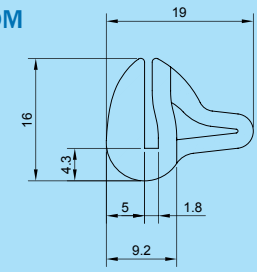


TRIUMPH TR4 - TR6 TYPE TUNNEL SEAL
SUPPLIED AS A 2 METRE LENGTH

SRS 1923
EPDM+EXP EPDM

50 METRE COIL
BY THE METRE





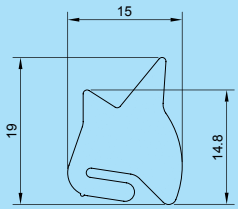
MINI DOOR/SIDE WINDOW SEAL EARLY TYPE

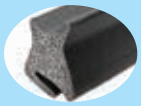
COIL LENGTH
AVAILABLE BY THE METRE

Sponge Rubber Sections (Automotive) continued

SRS 1924
EXP EPDM

50 METRE COIL
BY THE METRE

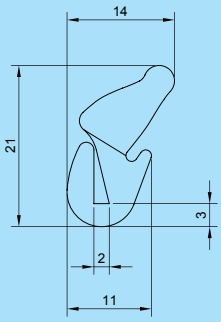




MINI VAN REAR DOOR SEAL

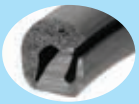
SRS 1925
EPDM+EXP EPDM

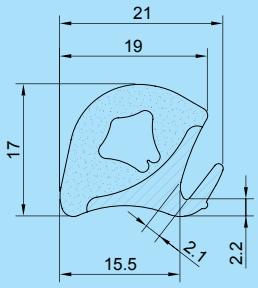
50 METRE COIL
BY THE METRE



MINI OPENING SIDE WINDOW SEAL

SRS 1926
EPDM+EXP EPDM





MINI BOOT SEAL
SUPPLIED AS A 2.4 METRE LENGTH

Watertight Door and Hatch Seals

The seal consists of a solid rubber outer on 3 sides and a cellular sponge core bonded to the solid rubber outer faces and is supplied in 10 metre coils. Please refer to page 117 for fitting advice.

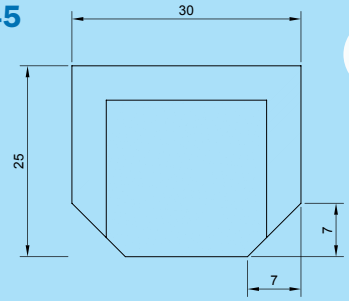
We offer 3 types of rubber for the sealing face:

- Natural Rubber for general purpose use (standard version).
- Neoprene Rubber for higher temperatures & ozone resistance (special version).
- Nitrile Rubber for gas & oil resistance (special version).

The cellular core is purpose made for this product and offers great recovery from compression.

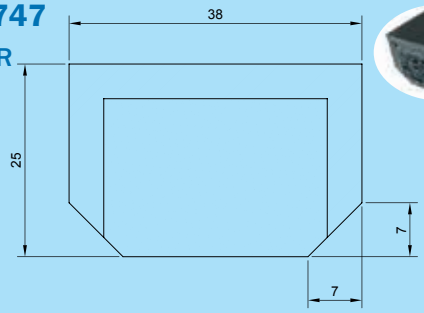
WDHS 3745
NR+EXP NR

10 METRE COIL



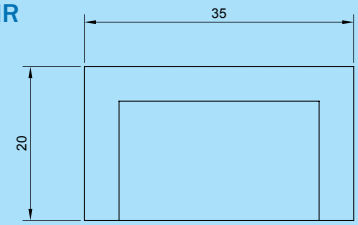
WDHS 3747
NR+EXP NR

10 METRE COIL



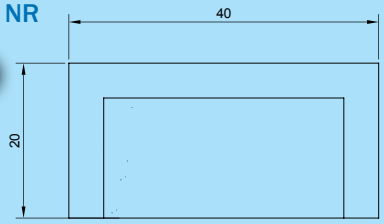
WDHS 3746
NR+EXP NR

10 METRE COIL



WDHS 3748
NR+EXP NR

10 METRE COIL

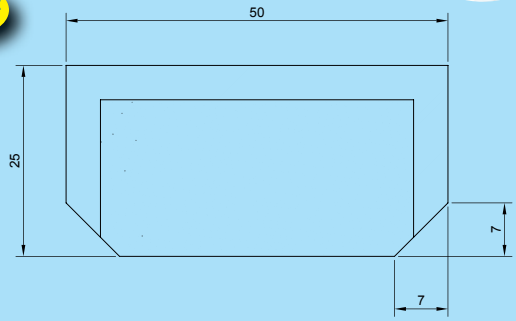


COIL LENGTH
AVAILABLE BY THE METRE

Watertight Door and Hatch Seals continued

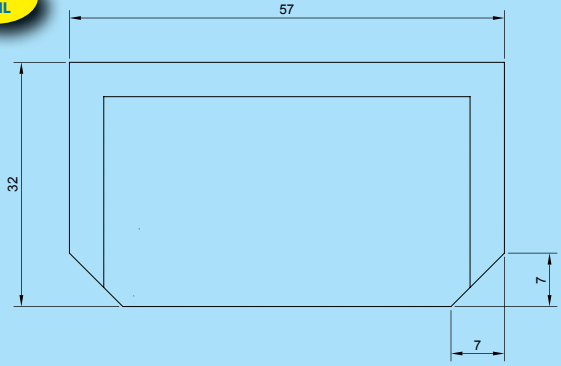
WDHS 3749
NR+EXP NR

10 METRE COIL



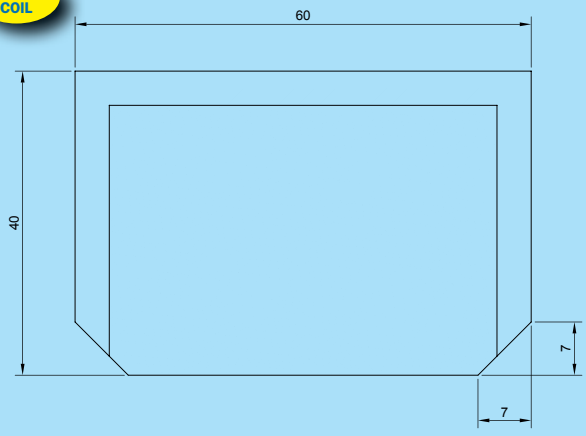
WDHS 3750
NR+EXP NR

10 METRE COIL



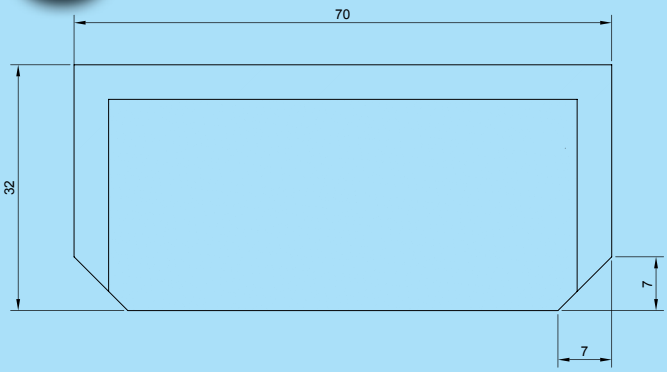
WDHS 3751
NR+EXP NR

10 METRE COIL



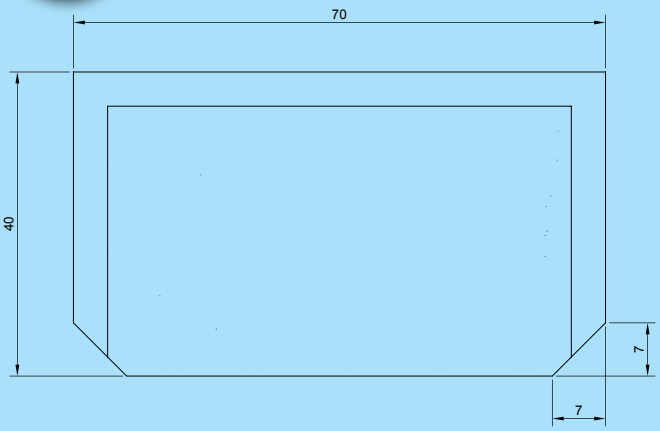
WDHS 3752
NR+EXP NR

10 METRE COIL



WDHS 3753
NR+EXP NR

10 METRE COIL



OTHER SIZES AVAILABLE - PLEASE ENQUIRE

COIL LENGTH

AVAILABLE BY THE METRE

Combination Seals

Seals requiring a soft expanded sponge for sealing with a strong wear resistant outer skin can be made by laminating solid neoprene rubber onto expanded neoprene strip. Refer to the diagram below:

These are manufactured to order. Prices are available on request and are dependent on size.

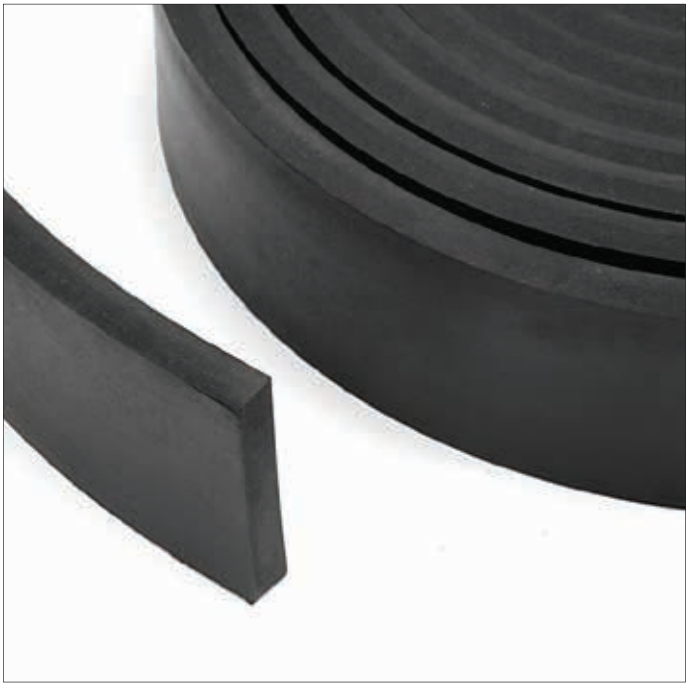
SEALS+DIRECT

Solid neoprene rubber strip
Solid neoprene rubber sheet
Solid silicone rubber strip
Rubber sheeting
Porthole rubber strip

Please also see the other sections in our catalogue as all of our seals and trims are universal and have many applications. They do not have to be used for their exact application as specified.

Solid Neoprene Rubber Strip

This flexible rubber strip is an ideal material for sealing and edging applications. It is easily cut with a knife and will stick to most surfaces using contact adhesive, our order code A 139 or A 262. Refer to page 119 for preparation information.



ORDER CODE	WIDTH MM	THICKNESS MM
SN 29	25	1.5
SN 30	50	1.5
SN 31	25	3
SN 32	50	3
SN 33	75	3
SN 34	25	5
SN 35	50	5
SN 36	75	5
SN 37	50	6
SN 38	75	6
SN 39	50	10
SN 40	75	10

CR 5 METRE COIL

OTHER SIZES AVAILABLE - PLEASE ENQUIRE

Solid Neoprene Rubber Sheet

ORDER CODE	WIDTH MM	THICKNESS MM
SNS 3225	1400	1.5
SNS 3226	1400	3
SNS 3227	1400	5
SNS 3228	1400	6
SNS 3229	1400	10

CR BY THE METRE

OTHER SIZES AVAILABLE - PLEASE ENQUIRE

COIL LENGTH AVAILABLE BY THE METRE

Solid Silicone Rubber Strip

This white flexible food quality rubber strip is ideal for sealing and edging applications, especially where temperatures go to 200°C. It is easily cut with a knife and can be bonded in place with either our order code S 137 or S 138.

ORDER CODE	WIDTH MM	THICKNESS MM
SIL 3230	25	1.5
SIL 3231	50	1.5
SIL 3232	25	3
SIL 3233	50	3
SIL 3234	25	5
SIL 3235	50	5

SIL 5 METRE COIL

OTHER SIZES AVAILABLE - PLEASE ENQUIRE

Rubber Sheeting

We are able to offer various grades of rubber sheeting.

Neoprene - For general purpose gaskets and seals. Good UV resistance and moderate resistance to oils and chemicals. Commercial grade 60°/70°sh. BS2752 grades from 40° to 70° sh.

Nitrile - Mainly used in an oil/fuel environment as it has excellent resistance. Commercial grade 60°/70° sh. BS2751 40° to 70° sh.

Natural - This material has excellent physical properties so is ideal for using as a seal in boat portlights, hatches and doors. It has excellent abrasion resistance, so makes an ideal liner for shot blast cabinets and material chutes. It is not resistant to oils. Hardness ranges from 40°to 70° sh. A food quality grade is available for marine fresh water tank seals.

Insertion - A natural rubber material with an insertion layer sandwiched in the middle of it to give it strength, which helps prevent it tearing.

EPDM - This material has excellent resistance to UV, so is suitable for many outdoor applications. Commercial grade 60°/70°sh. A WRC grade is available for potable applications.

Silicone - Available in both general purpose and speciality grades and is an excellent choice for applications requiring good sealing properties at high and low temperatures. Suitable for use at -40°C up to +300°C. Normally available in white with other colours available to special order. FDA compliant.

All of the above materials are available in either full rolls, cut lengths, strip or gaskets. Details and prices are available on application.

COIL LENGTH AVAILABLE BY THE METRE

Porthole Rubber Strip

This semi soft rubber (45°sh) is flexible and semi compressible. It is used for sealing brass portlights and vents. For plastic and aluminium portlights it is recommended to use an expanded neoprene seal.

ORDER CODE	WIDTH MM	THICKNESS MM
PHR 140	25	3
PHR 141	38	3
PHR 142	6	6
PHR 143	10	6
PHR 144	25	6
PHR 145	10	10
PHR 146	12	10
PHR 147	25	10

NR 2 METRE COIL BY THE METRE

OTHER SIZES AVAILABLE - PLEASE ENQUIRE

COIL LENGTH AVAILABLE BY THE METRE

SEALS+DIRECT

Solid neoprene cord
White PVC cord
Rubber ‘P’ section
Rubber Tadpole section
Rubber ‘U’ channel section
Rubber square ‘U’ channel section
Ribbed ‘U’ channel
‘T’ section
‘L’ section

Please also see the other sections in our catalogue as all of our seals and trims are universal and have many applications. They do not have to be used for their exact application as specified.

Solid Neoprene Cord

This is suitable for making 'O' rings, portlight seals, etc. It can be easily formed into endless rings using superglue our order code A 3288. It is also used for plugging bolt holes in 'D' fenders.

ORDER CODE	DIAMETER MM
SNC 76	3
SNC 77	5
SNC 78	6
SNC 79*	8
SNC 80	10
SNC 81	12

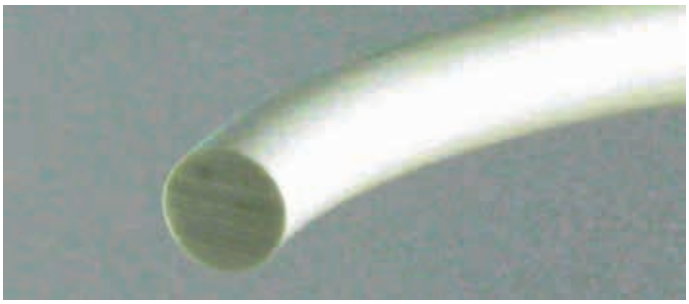
CR
* NBR

50 METRE COIL BY THE METRE

OTHER SIZES AVAILABLE - PLEASE ENQUIRE

White PVC Cord

This white PVC cord is ideal for plugging drill holes in our white PVC 'D' fender.



ORDER CODE	DIAMETER MM
SCW 1257	8
SCW 2298	13
SCW 3010	19

PVC

SUPPLIED AS A 3 METRE LENGTH

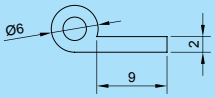
Rubber 'P' Section

Ideal for hatch seals, door seals, piping between panels on cars etc. The flange length can be extended or thickened by sticking some solid neoprene strip onto it with adhesive our order code A 139 or A 262. Refer to pages 104 and 119 for technical information.

P 41

EPDM

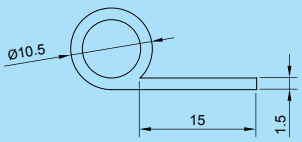
50 METRE COIL BY THE METRE

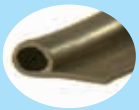


P 42

EPDM

50 METRE COIL BY THE METRE

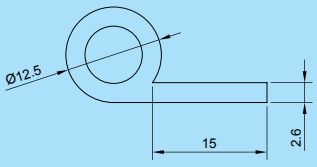


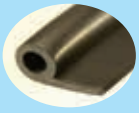


P 43

EPDM

50 METRE COIL BY THE METRE



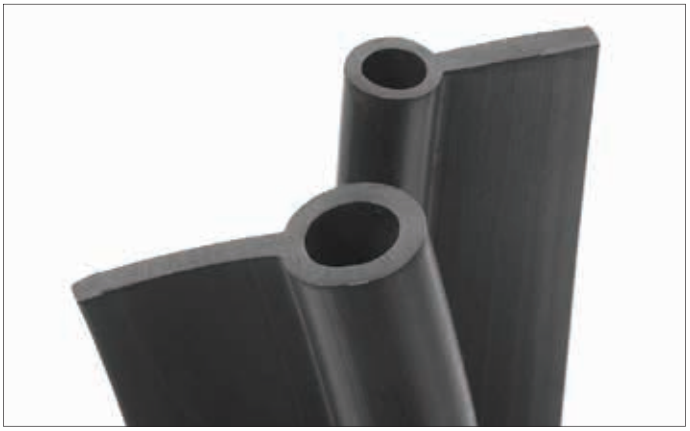


OTHER SIZES AVAILABLE - PLEASE ENQUIRE

COIL LENGTH AVAILABLE BY THE METRE

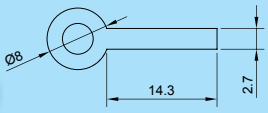
Rubber Tadpole Section

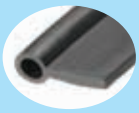
Ideal for hatch seals, door seals, piping between panels on cars etc. The flange length can be extended or thickened by sticking some solid neoprene strip onto it with adhesive our order code A 139 or A 262. Refer to pages 104 and 119 for technical information.



TP 44
EPDM

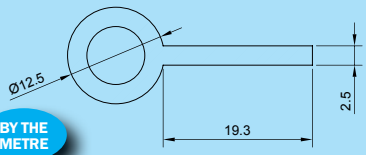
50 METRE COIL | BY THE METRE

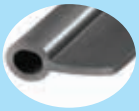




TP 45
EPDM

50 METRE COIL | BY THE METRE





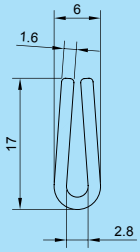
OTHER SIZES AVAILABLE - PLEASE ENQUIRE

Rubber 'U' Channel Section

For protecting edges on panels, doors, glass, etc. It is also suitable for making a seal around glass in aluminium window channels. It can be bonded in place using either our order code S 136, S 137 or S 138. The width of the section can be increased by bonding neoprene strip along side it, or the panel thickness can be reduced by bonding a strip into it. Refer to pages 104 and 119 for technical information.

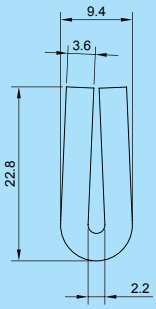
U 48
EPDM

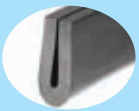
50 METRE COIL | BY THE METRE



U 154
EPDM

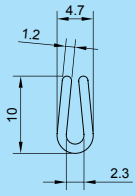
50 METRE COIL | BY THE METRE





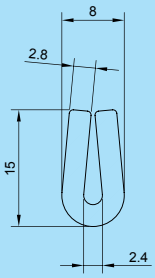
U 46
EPDM

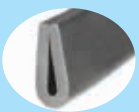
50 METRE COIL | BY THE METRE



U 47
EPDM

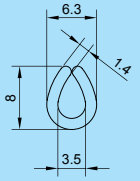
50 METRE COIL | BY THE METRE

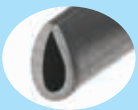




U 49
EPDM

50 METRE COIL | BY THE METRE





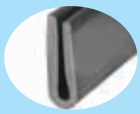
COIL LENGTH | AVAILABLE BY THE METRE

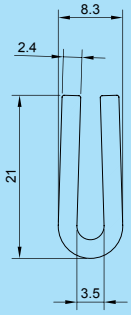
Rubber 'U' Channel Section continued

U 155
EPDM

50 METRE COIL

BY THE METRE

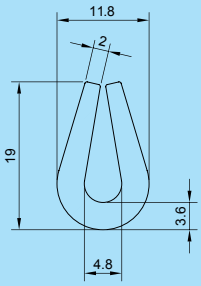




U 50
EPDM

50 METRE COIL

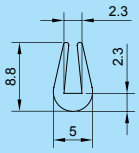
BY THE METRE



U 3236
PVC

50 METRE COIL

BY THE METRE



OTHER SIZES AVAILABLE - PLEASE ENQUIRE

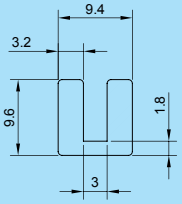
Rubber Square 'U' Channel Section

For protecting edges on panels, doors, glass, etc. It is also suitable for making a seal around glass in aluminium window channels. It can be bonded in place using either our order code S 136, S 137, S 138, A 139 or A 262. The width of the section can be increased by bonding neoprene strip along side it, or the panel thickness can be reduced by bonding a strip into it. Refer to pages 104 and 119 for technical information.

US 156
EPDM

50 METRE COIL

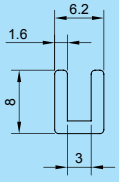
BY THE METRE

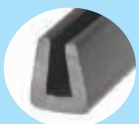


US 51
EPDM

50 METRE COIL

BY THE METRE

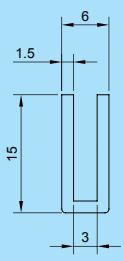


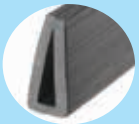


US 52
EPDM

50 METRE COIL

BY THE METRE





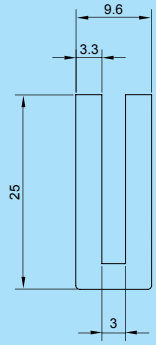
COIL LENGTH

AVAILABLE BY THE METRE

Rubber Square 'U' Channel Section continued

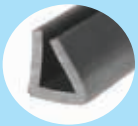
US 157
EPDM

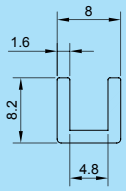
50 METRE COIL
BY THE METRE



US 53
EPDM

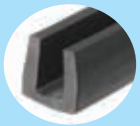
50 METRE COIL
BY THE METRE

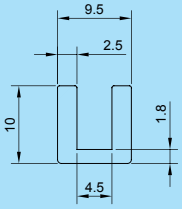




US 158
EPDM

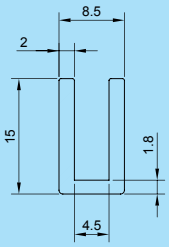
50 METRE COIL
BY THE METRE





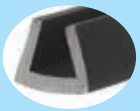
US 159
EPDM

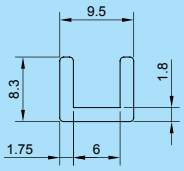
50 METRE COIL
BY THE METRE



US 54
EPDM

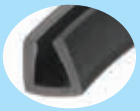
50 METRE COIL
BY THE METRE

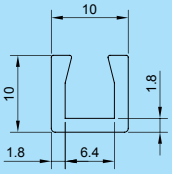




US 160
EPDM

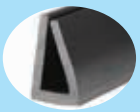
50 METRE COIL
BY THE METRE

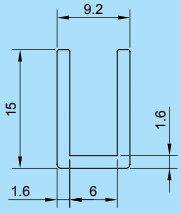




US 161
EPDM

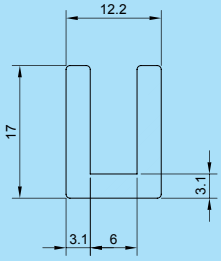
50 METRE COIL
BY THE METRE





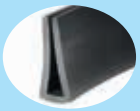
US 162
EPDM

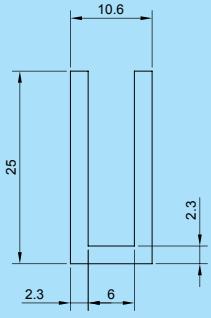
30 METRE COIL
BY THE METRE



US 163
EPDM

50 METRE COIL
BY THE METRE





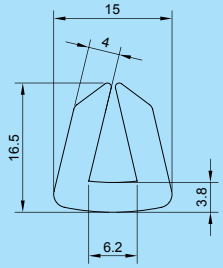
COIL LENGTH
AVAILABLE BY THE METRE

Rubber Square 'U' Channel Section continued

US 166
SIL

25 METRE COIL

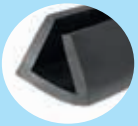
BY THE METRE

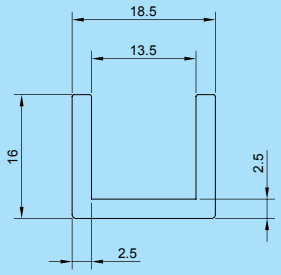


US 56
EPDM

50 METRE COIL

BY THE METRE

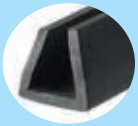


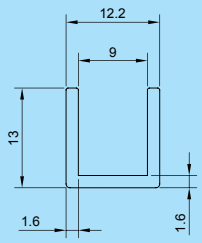


US 55
EPDM

50 METRE COIL

BY THE METRE

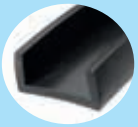


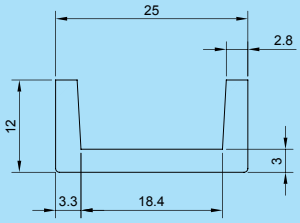


US 165
EPDM

30 METRE COIL

BY THE METRE

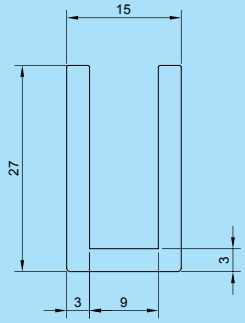




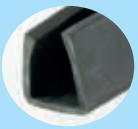
US 164
EPDM

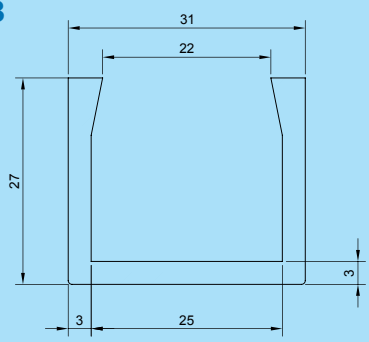
30 METRE COIL

BY THE METRE



US 1138
EPDM





SUPPLIED AS A 3 METRE LENGTH

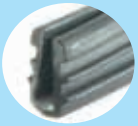
OTHER SIZES AVAILABLE - PLEASE ENQUIRE

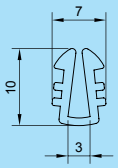
Ribbed 'U' Channel

RUS 1677
EPDM

30 METRE COIL

BY THE METRE





COIL LENGTH

AVAILABLE BY THE METRE

'T' Section

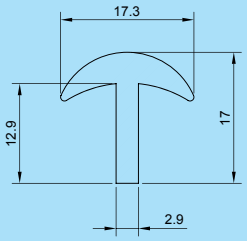
This rubber 'T' section is used to form a seal between two surfaces in the same plane.

T 616

EPDM

30 METRE COIL

BY THE METRE

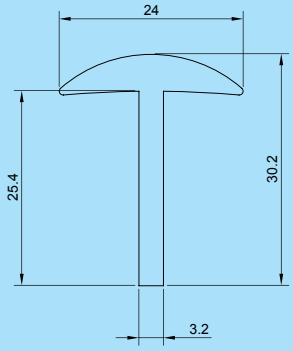


T 988

EPDM

30 METRE COIL

BY THE METRE



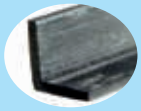
OTHER SIZES AVAILABLE - PLEASE ENQUIRE

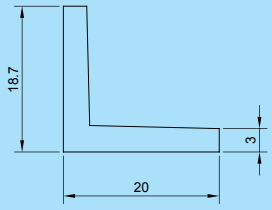
'L' Section

'L' section rubber extrusions are ideal for protecting and covering edges and corners.

L 3196

EPDM

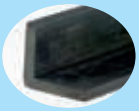


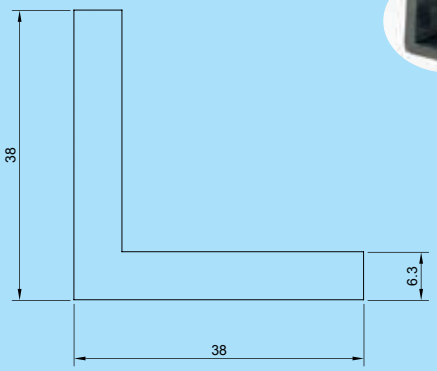


SUPPLIED AS A 2.5 METRE LENGTH

L 1843

EPDM





SUPPLIED AS A 3 METRE LENGTH

OTHER SIZES AVAILABLE - PLEASE ENQUIRE

COIL LENGTH

AVAILABLE BY THE METRE

COIL LENGTH AVAILABLE BY THE METRE

SEALS+DIRECT

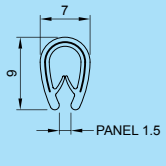
Edge trims and seals
Plastic POM reinforced

Please also see the other sections in our catalogue as all of our seals and trims are universal and have many applications. They do not have to be used for their exact application as specified.

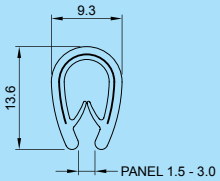
Edge Trims and Seals

These trims make ideal edge coverings for panels ranging from 1.5mm to 16mm. The self grip mechanism holds them in place. The soft sponge bulb/lip ensures that an efficient seal can be made when used on doors, hatches, lockers, enclosures, cabinets, etc. Please refer to page 103 for bend radius diagram explanation.

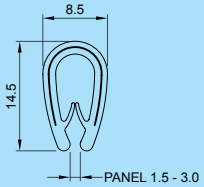
ET 1537
PVC
50 METRE COIL
BY THE METRE

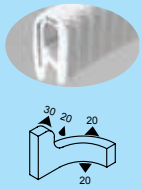


ET 57
PVC
50 METRE COIL
BY THE METRE

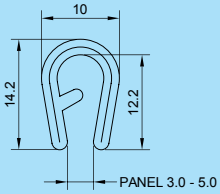


ET 167
PVC
50 METRE COIL
BY THE METRE

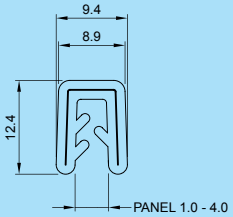


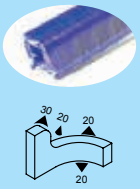


ET 4109
PVC
50 METRE COIL
BY THE METRE



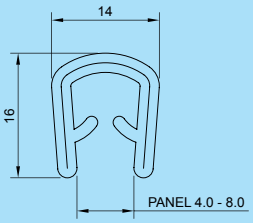
ET 3731
SIL
25 METRE COIL

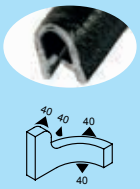




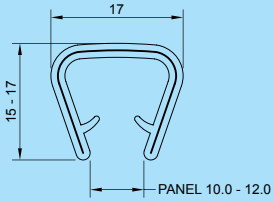
FDA APPROVED

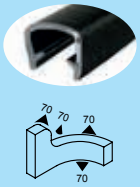
ET 1848
PVC
50 METRE COIL
BY THE METRE



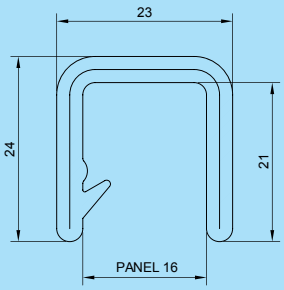


ET 3103
PVC
50 METRE COIL
BY THE METRE

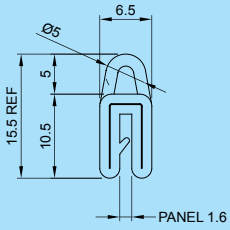


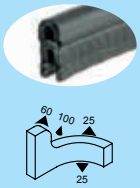


ET 4080
PVC
30 METRE COIL
BY THE METRE

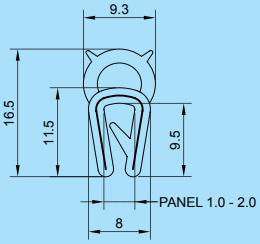


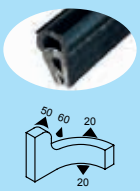
ETS 3237
EPDM+EXP EPDM
50 METRE COIL
BY THE METRE





ETS 4067
EPDM+EXP EPDM
50 METRE COIL
BY THE METRE



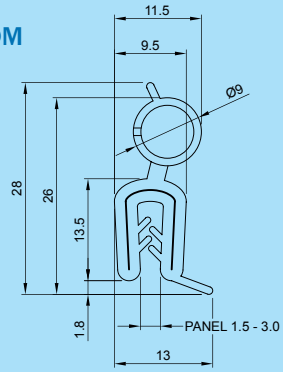


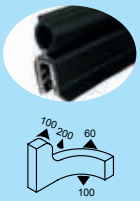
COIL LENGTH
AVAILABLE BY THE METRE

Edge Trims and Seals continued

ETS 619
EPDM+EXP EPDM

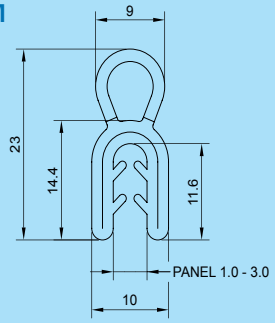
50 METRE COIL
BY THE METRE

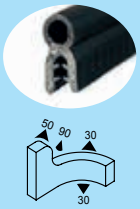




ETS 4108
EPDM+EXP EPDM

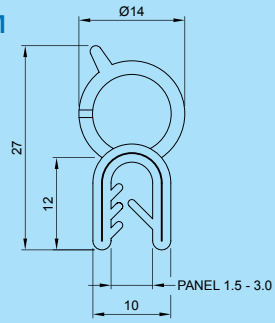
50 METRE COIL
BY THE METRE





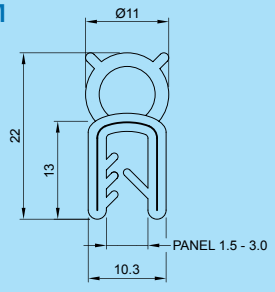
ETS 59
EPDM+EXP EPDM

50 METRE COIL
BY THE METRE



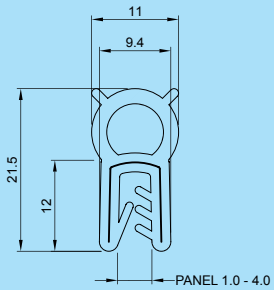
ETS 1556
EPDM+EXP EPDM

50 METRE COIL
BY THE METRE

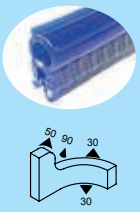


ETS 3730
SIL

25 METRE COIL

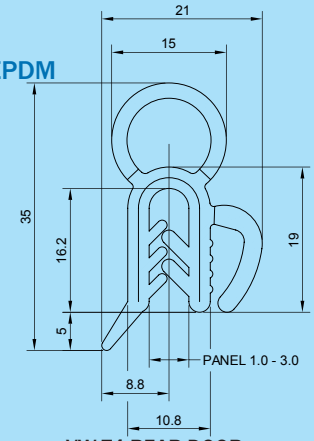


FDA APPROVED

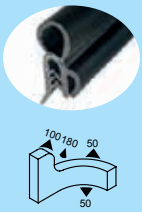


ETS 4107
EPDM+EXP EPDM

50 METRE COIL
BY THE METRE

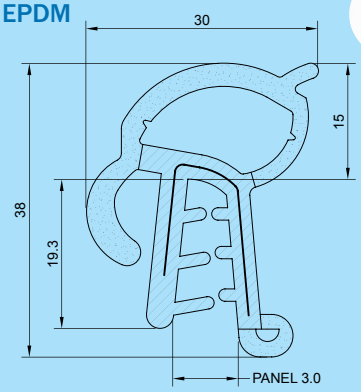


VW T4 REAR DOOR



ETS 4122
EPDM+EXP EPDM

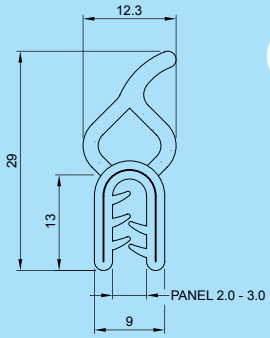
50 METRE COIL
BY THE METRE

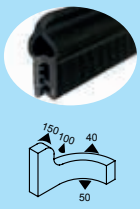


VW T5 REAR DOOR

ETS 3238
EPDM+EXP EPDM

50 METRE COIL
BY THE METRE



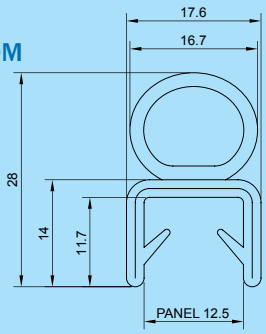


COIL LENGTH
AVAILABLE BY THE METRE

Edge Trims and Seals continued

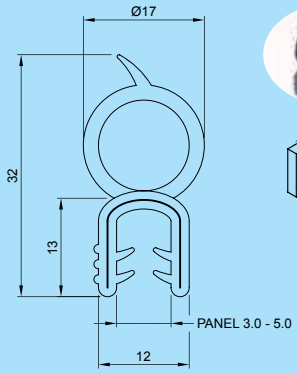
ETS 4082
PVC+EXP EPDM

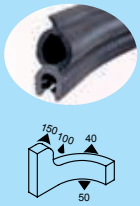
76 METRE COIL
BY THE METRE



ETS 1668
EPDM+EXP EPDM

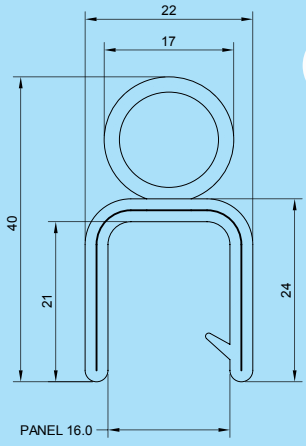
25 METRE COIL
BY THE METRE





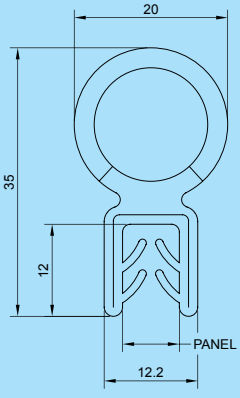
ETS 4083
PVC+EXP EPDM

30 METRE COIL
BY THE METRE



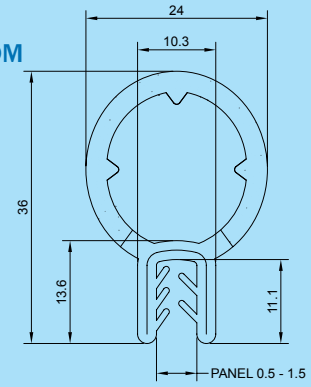
ETS 4055
EPDM+EXP EPDM

50 METRE COIL
BY THE METRE



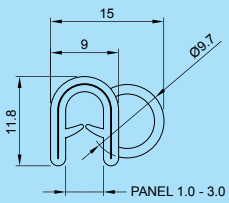
ETS 4106
EPDM+EXP EPDM

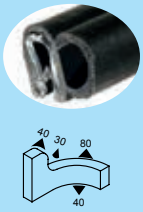
50 METRE COIL
BY THE METRE



ETS 3239
EPDM+EXP EPDM

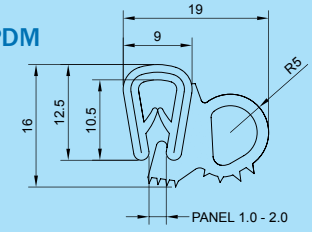
50 METRE COIL
BY THE METRE

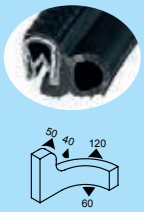




ETS 4105
PVC+EXP EPDM

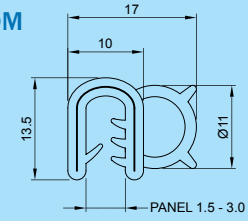
50 METRE COIL
BY THE METRE

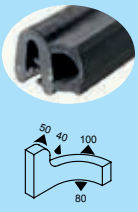




ETS 2481
EPDM+EXP EPDM

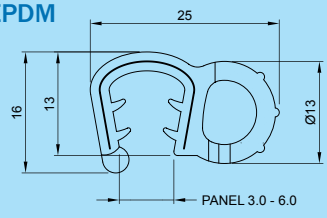
50 METRE COIL
BY THE METRE

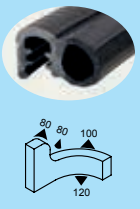




ETS 2108
EPDM+EXP EPDM

25 METRE COIL
BY THE METRE



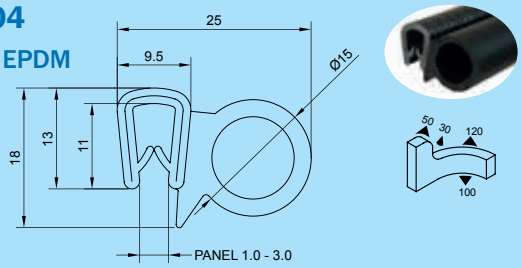


COIL LENGTH
AVAILABLE BY THE METRE

Edge Trims and Seals continued

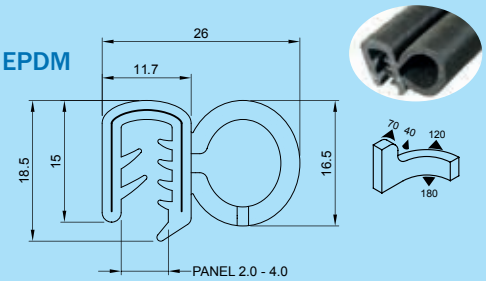
ETS 4104
PVC+EXP EPDM

50 METRE COIL



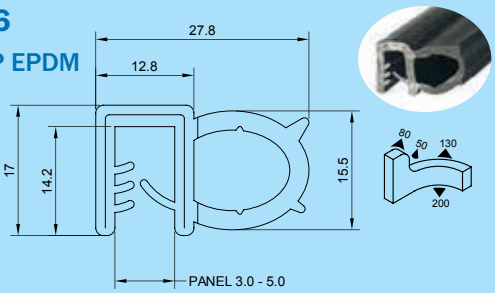
ETS 58
EPDM+EXP EPDM

50 METRE COIL
BY THE METRE



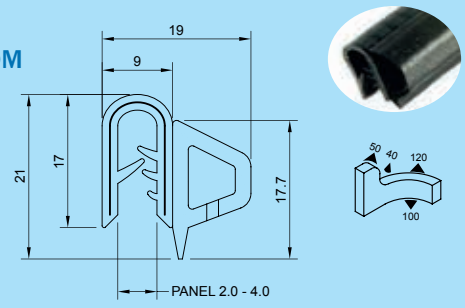
ETS 4056
EPDM+EXP EPDM

50 METRE COIL
BY THE METRE



ETS 3240
PVC+EXP EPDM

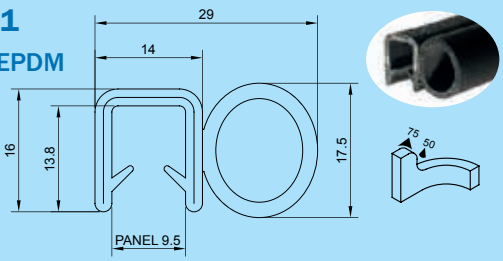
50 METRE COIL
BY THE METRE



MINI QUARTERLIGHT

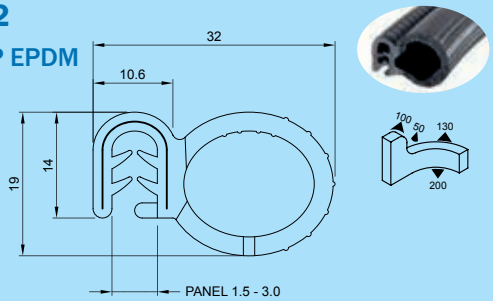
ETS 4081
PVC+EXP EPDM

76 METRE COIL
BY THE METRE



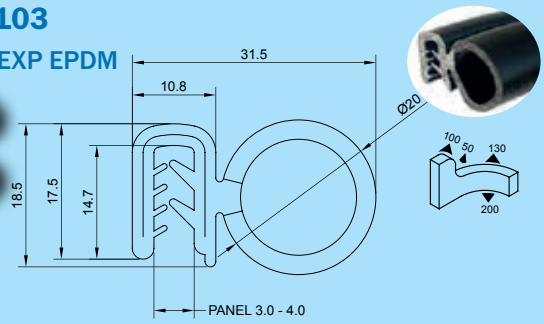
ETS 1472
EPDM+EXP EPDM

25 METRE COIL
BY THE METRE



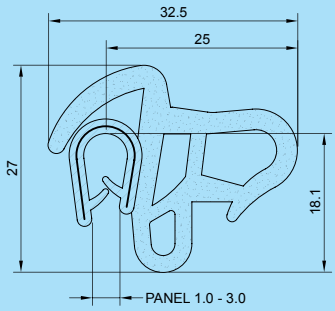
ETS 4103
EPDM+EXP EPDM

50 METRE COIL
BY THE METRE



ETS 4123
EPDM+EXP EPDM

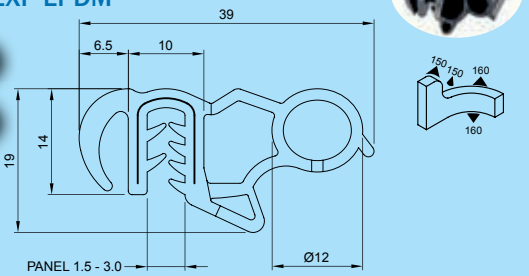
50 METRE COIL
BY THE METRE



VW T4 SIDE DOOR

ETS 2581
EPDM+EXP EPDM

50 METRE COIL
BY THE METRE



COIL LENGTH

AVAILABLE BY THE METRE

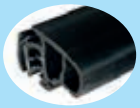
Edge Trims and Seals continued

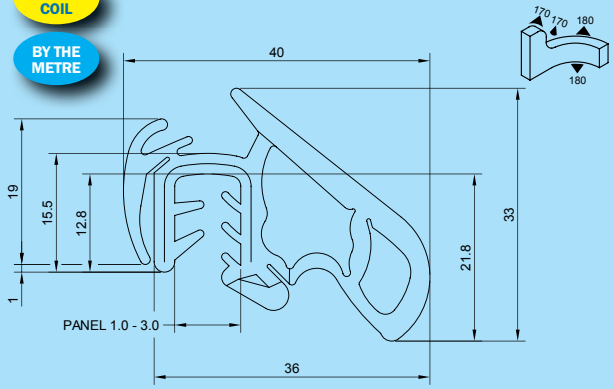
ETS 4102

EPDM+EXP EPDM

50 METRE COIL

BY THE METRE





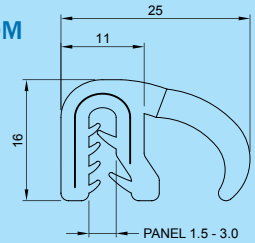
VW T5 SIDE DOOR & T5/T6 FRONT DOORS

ETS 60

EPDM+EXP EPDM

50 METRE COIL

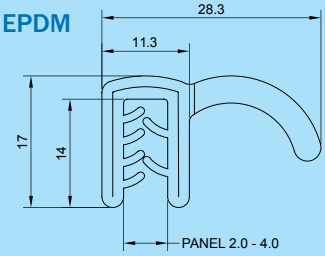
BY THE METRE



ETS 4060

EPDM+EXP EPDM

50 METRE COIL

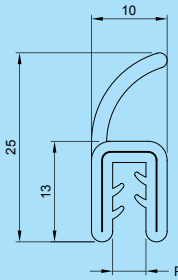


ETS 3241

EPDM+EXP EPDM

25 METRE COIL

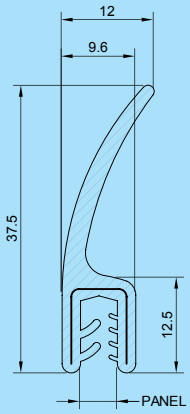
BY THE METRE



ETS 4069

EPDM

50 METRE COIL

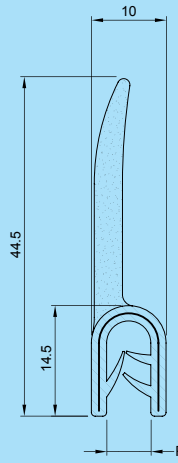


ETS 1395

EPDM+EXP EPDM

30 METRE COIL

BY THE METRE



COIL LENGTH

AVAILABLE BY THE METRE

Plastic POM reinforced

This clip-on edge trim contains a POM plastic insert rather than the conventional metal insert. This provides the following advantages over the metal insert versions:

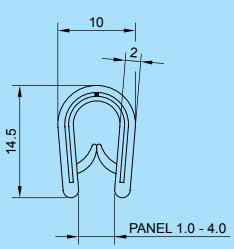
- Corrosion resistant
- Lower memory effect – virtually returns back to its original shape after bending
- Lower unit weight
- Nonconductive
- Easier to cut
- Does not deform when cutting to length
- Longer service life

ETP 3956

PVC+POM

50 METRE COIL

BY THE METRE

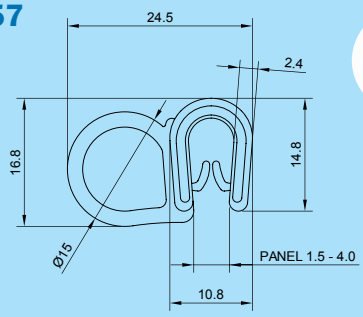


ETSP 3957

TPE/POM

50 METRE COIL

BY THE METRE



COIL LENGTH

AVAILABLE BY THE METRE

COIL LENGTH AVAILABLE BY THE METRE

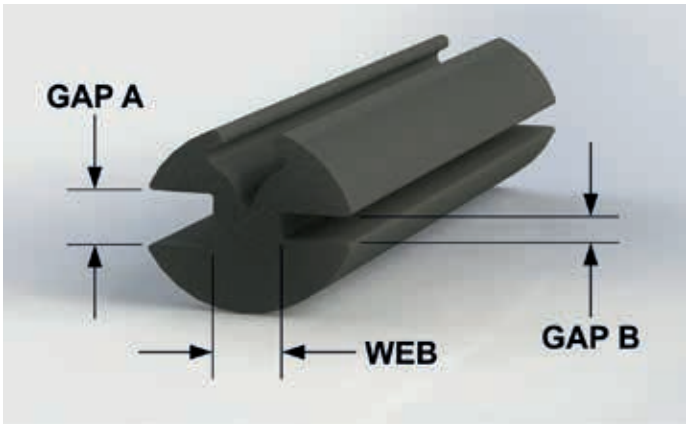
SEALS+DIRECT

Window rubbers (Claytonrite)
Filler strip
Glazing tool
Flocked lined window rubber
'S' Shaped window rubber
Opening/Sliding window seals
Interscrews
Houdini hatch seals
Lewmar hatch and Portlight seals
Acrylic (Perspex)/Polycarbonate
Mast sleeves

Please also see the other sections in our catalogue as all of our seals and trims are universal and have many applications. They do not have to be used for their exact application as specified.

Window Rubbers (Claytonrite)

This window rubber is suitable for fitting either acrylic (Perspex), polycarbonate or glass into boats, cars, vans etc. It allows for easy replacement of damaged windows. Remember to order the filler strip and the glazing tool to fit it. To find your required size measure your glass and panel thickness and check against the drawings. The rubber will seal approx -1mm (e.g. 4mm glass will seal in a 5mm gap) if required. It is recommended to bed the rubber in with a silicone sealant our order code S 138.
Please refer to page 103 for bend radius diagram explanation and page 107 for fitting instructions.



ORDER CODE	GAP A MM	GAP B MM	WEB MM
WR 1307	3	0.8-1.6	6
WR 61	3	3	6.5
WR 2593	4.75	1.6	7
WR 62	5	1.6	6.5
WR 63	5	3	7
WR 937	5	3	7.5
WR 64	5	5	6.5
WR 65	6	1.6	7
WR 3650	6	2.6	8
WR 66	6	3	7.5
WR 3328	6	3	9
WR 1544	6	2.4-3.6	8
WR 67	6	5	7
WR 68	6	6	8
WR 775	6	6	8.3
WR 69	10	5	9
WR 70	10	6	11.5
WR 71	12	6	10
WR 854	20	6	7.5
WR 1513	5	4	N/A
WR 1514	6	5	N/A

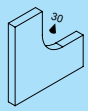
OTHER SIZES AVAILABLE - PLEASE ENQUIRE

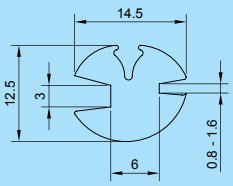
WR 1307

EPDM

30 METRE COIL

BY THE METRE





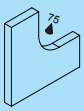
USE FILLER STRIP FS 1266

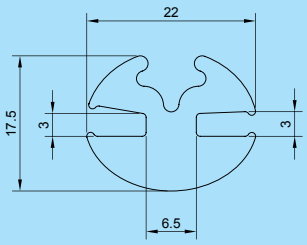
WR 61

EPDM

30 METRE COIL

BY THE METRE





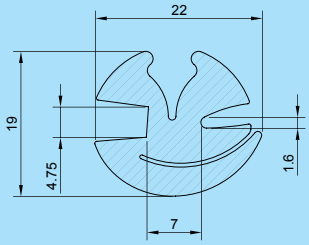
COIL LENGTH

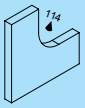
AVAILABLE BY THE METRE

Window Rubbers (Claytonrite) continued

WR 2593
EPDM

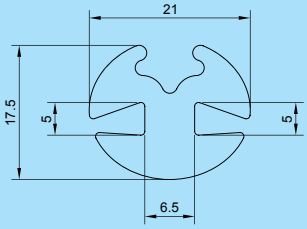
30 METRE COIL
BY THE METRE

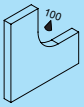




WR 64
EPDM

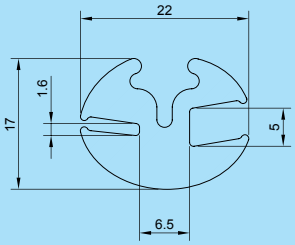
30 METRE COIL
BY THE METRE

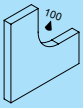




WR 62
EPDM

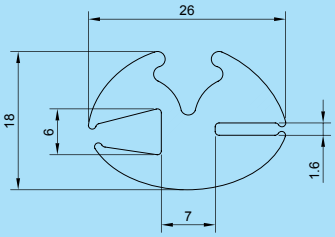
30 METRE COIL
BY THE METRE

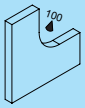




WR 65
EPDM

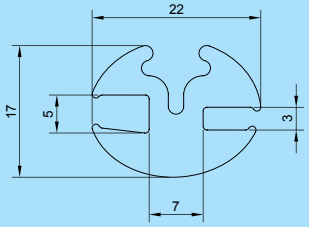
30 METRE COIL
BY THE METRE

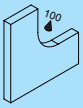




WR 63
EPDM

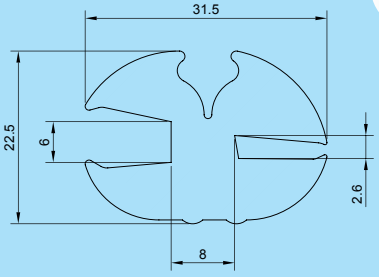
30 METRE COIL
BY THE METRE

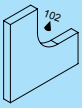




WR 3650
EPDM

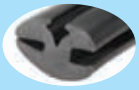
30 METRE COIL
BY THE METRE

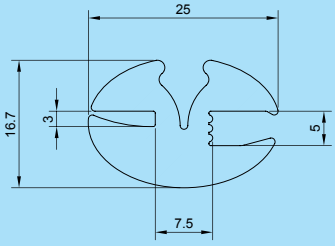


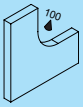


WR 937
EPDM

30 METRE COIL
BY THE METRE

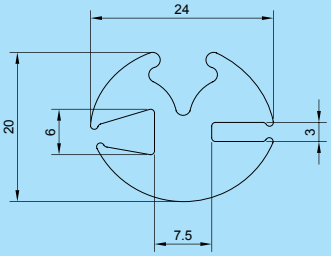


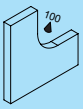




WR 66
EPDM

30 METRE COIL
BY THE METRE



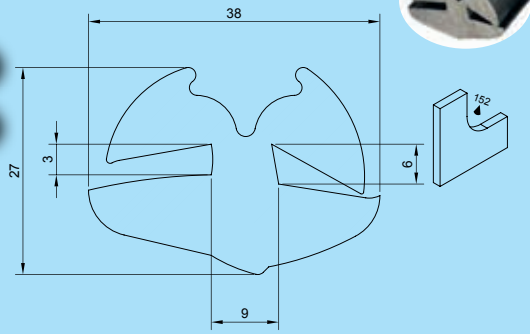


COIL LENGTH
AVAILABLE BY THE METRE

Window Rubbers (Claytonrite) continued

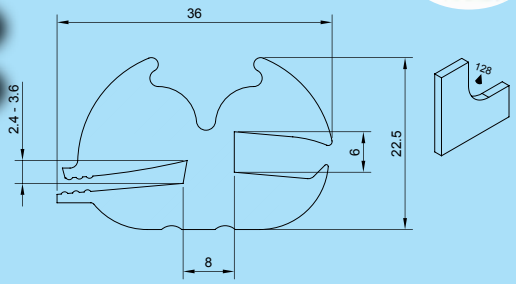
WR 3328
EPDM

15 METRE COIL
BY THE METRE



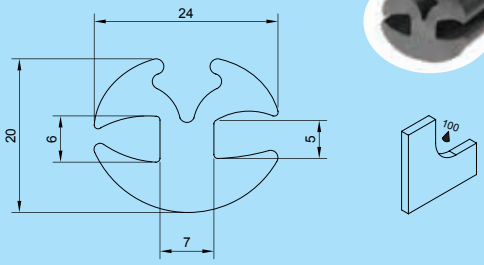
WR 1544
EPDM

30 METRE COIL
BY THE METRE



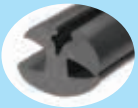
WR 67
EPDM

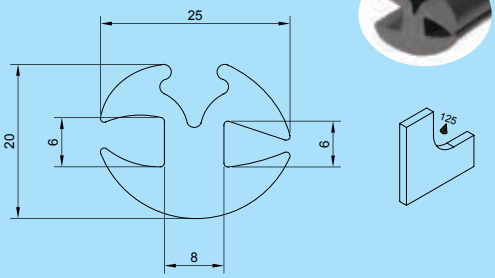
30 METRE COIL
BY THE METRE



WR 68
EPDM

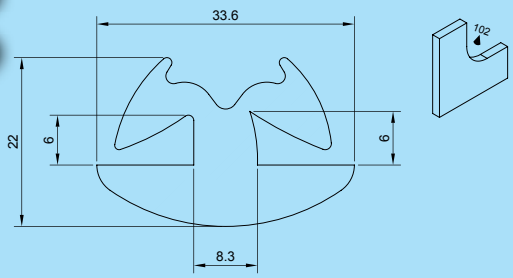
30 METRE COIL
BY THE METRE





WR 775
EPDM

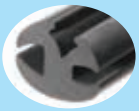
30 METRE COIL
BY THE METRE

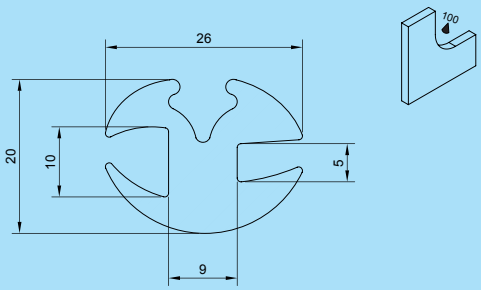


USE FILLER STRIP FS 3077

WR 69
EPDM

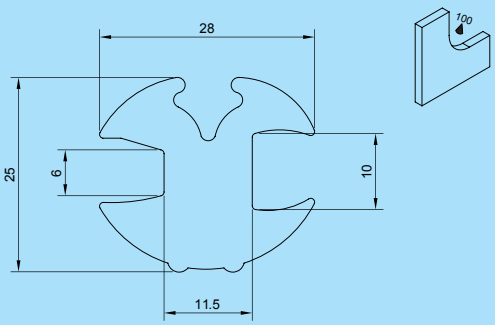
30 METRE COIL
BY THE METRE





WR 70
EPDM

30 METRE COIL
BY THE METRE

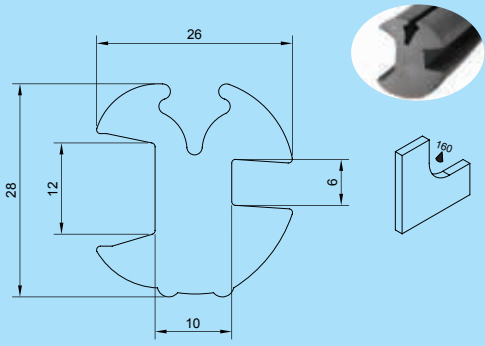


COIL LENGTH
AVAILABLE BY THE METRE

Window Rubbers (Claytonrite) continued

WR 71
EPDM

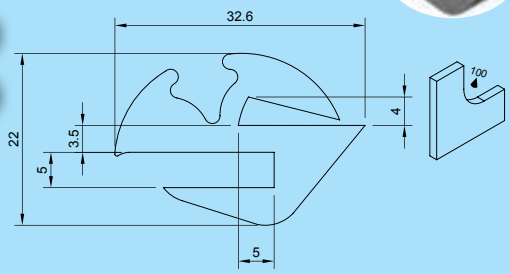
25 METRE COIL
BY THE METRE



USE FILLER STRIP FS 3077

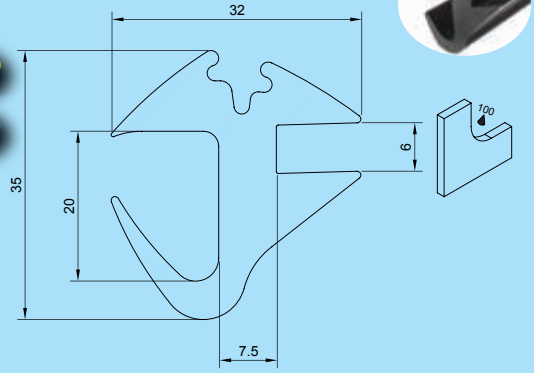
WR 1513
EPDM

25 METRE COIL
BY THE METRE



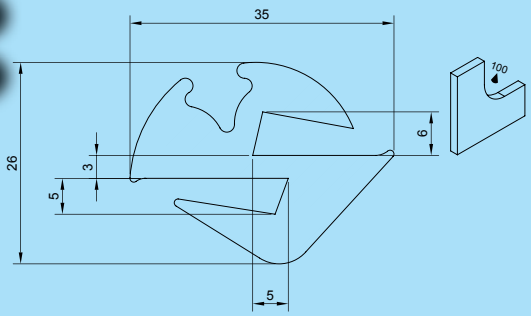
WR 854
EPDM

25 METRE COIL
BY THE METRE



WR 1514
EPDM

25 METRE COIL
BY THE METRE

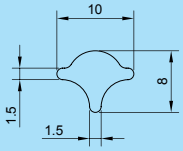


Filler Strip

Coloured strip to fit all of the above sections.

FS 72
PVC

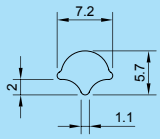
30 METRE COIL
BY THE METRE



FOR USE WITH WINDOW RUBBERS EXCEPT FOR WR 1307, WR 71 & WR 775

FS 1266
PVC

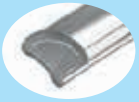
30 METRE COIL
BY THE METRE

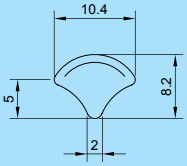


FOR USE WITH CS 787 & WR 1307

FS 73
PVC

30 METRE COIL
BY THE METRE





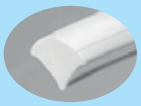
FOR USE WITH WINDOW RUBBERS EXCEPT FOR WR 1307, WR 71 & WR 775

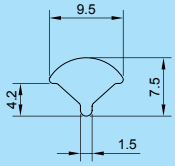
COIL LENGTH
AVAILABLE BY THE METRE

Filler Strip continued

FS 74
PVC

30 METRE COIL
BY THE METRE

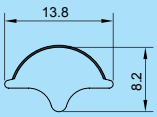




FOR USE WITH WINDOW RUBBERS EXCEPT FOR WR 1307, WR 71 & WR 775

ATMM 1956
PVC

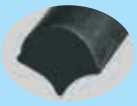
30 METRE COIL
BY THE METRE

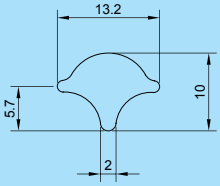


MORRIS MINOR 1000 & MORRIS 1800 WINDSCREEN FILLER STRIP

FS 3077
PVC

30 METRE COIL
BY THE METRE

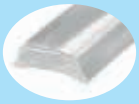


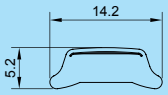


FOR USE WITH WR 71 & WR 775

ATMG 1965
PVC

30 METRE COIL
BY THE METRE

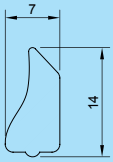




MG AND HILLMAN AVENGER WINDSCREEN FILLER STRIP

FS 1876
PVC

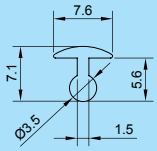
20 METRE COIL
BY THE METRE



FOR USE WITH CS 788 & CS 789

ATT 1981
CAB

30 METRE COIL
BY THE METRE



TRIUMPH TOLEDO 1300, 1500 & HERALD 1200 WINDSCREEN FILLER

Glazing Tool

This assists in the installation of the acrylic (Perspex), Polycarbonate or glass panels and the filler strip.

GT 75

TO FIT FS 72, FS 73 AND FS 74 FILLER STRIPS

GT 3243

5 PIECE ASSORTED FILLER TIPS.
9.5MM, 10.5MM, 11MM, 12MM AND 15MM
TO BE USED WITH GT 75 FOR FS 1266 & FS 3077 FILLER STRIPS

COIL LENGTH
AVAILABLE BY THE METRE

Flocked Lined Window Rubber

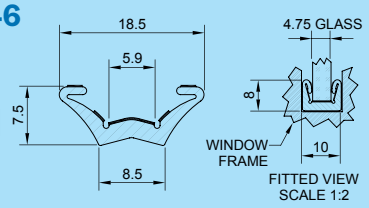
These flocked lined window rubbers come in either preformed 'U' shapes that fit directly into the channel, or in a flat strip that bends easily to fit different size channels. (Greater widths can be obtained by joining two pieces together). They make an ideal replacement for polyester ribbon.

FWR 846

EPDM

50 METRE COIL

BY THE METRE

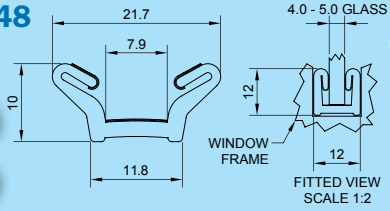


FWR 148

EPDM

15 METRE COIL

BY THE METRE

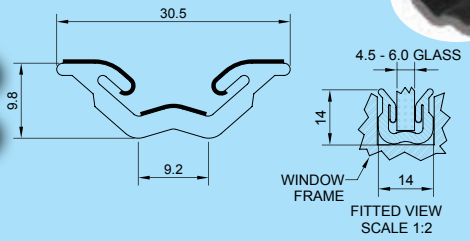


FWR 713

EPDM

15 METRE COIL

BY THE METRE

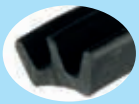


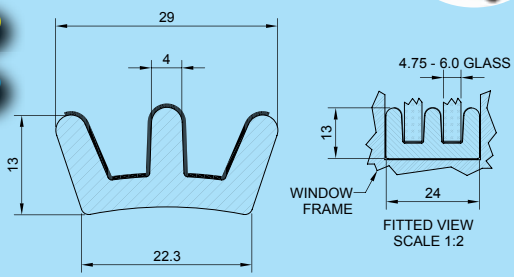
FWR 3277

EPDM

50 METRE COIL

BY THE METRE



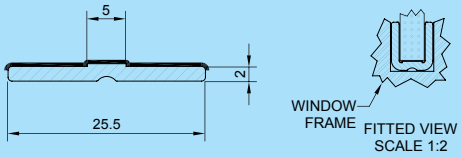


FWR 168

EPDM

30 METRE COIL

BY THE METRE



'S' Shaped Window Rubber

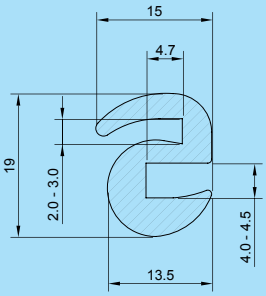
This 'S' shaped rubber is suitable for small windows on boats, cars, caravans etc.

SWR 149

EPDM

50 METRE COIL

BY THE METRE

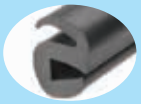


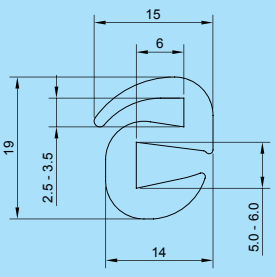
SWR 150

EPDM

50 METRE COIL

BY THE METRE

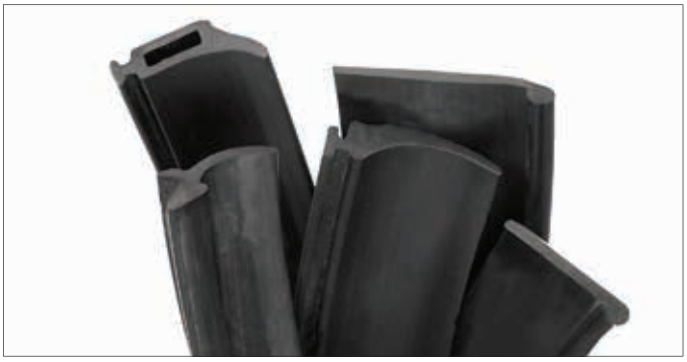




COIL LENGTH

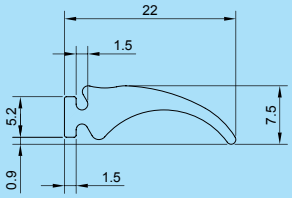
AVAILABLE BY THE METRE

Opening/Sliding Window Seals



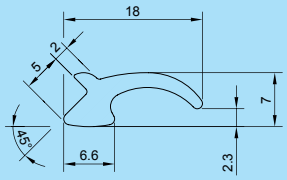
OWS 778
EPDM

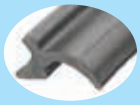
30 METRE COIL
BY THE METRE



OWS 779
EPDM

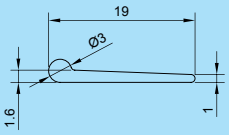
30 METRE COIL
BY THE METRE





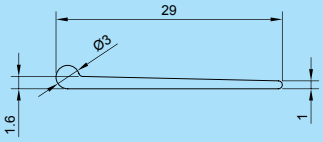
OWS 782
EPDM

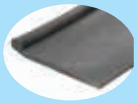
30 METRE COIL
BY THE METRE



OWS 783
EPDM

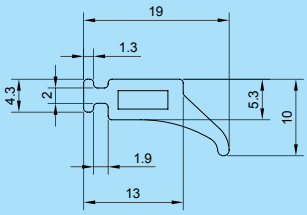
30 METRE COIL
BY THE METRE

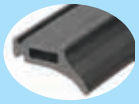




OWS 1033
CR

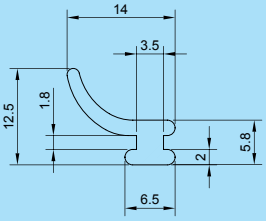
30 METRE COIL
BY THE METRE

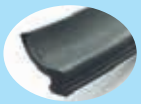




OWS 3795
EPDM

30 METRE COIL
BY THE METRE

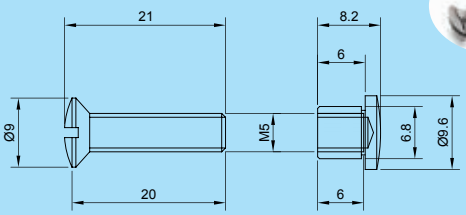




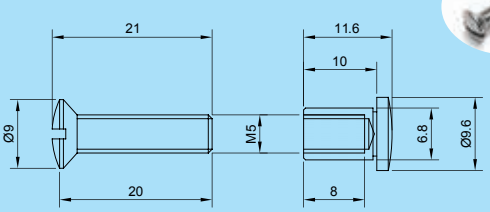
Interscrews

These M5 captive nuts and screws are used for fixing windows in place and come in two standard sizes, 6mm and 10mm long. They are supplied with an M5 x 20mm machine screw. (Other machine screw lengths available).

IS 625
SS



IS 626
SS



COIL LENGTH
AVAILABLE BY THE METRE

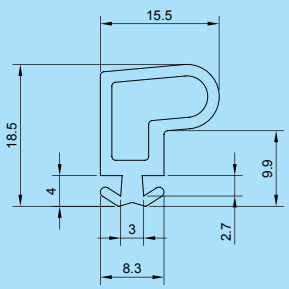
Houdini Hatch Seals

There are two different types of seals available for Houdini hatches. A 'P' seal that locates into the hatch frame, and a self adhesive bulb seal.

HHS 623

EPDM

2 METRE COIL

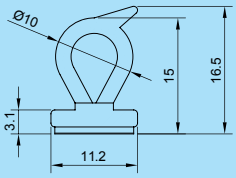


HHS 624

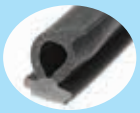
EPDM+EXP EPDM

50 METRE COIL

BY THE METRE



ADHESIVE BACKED

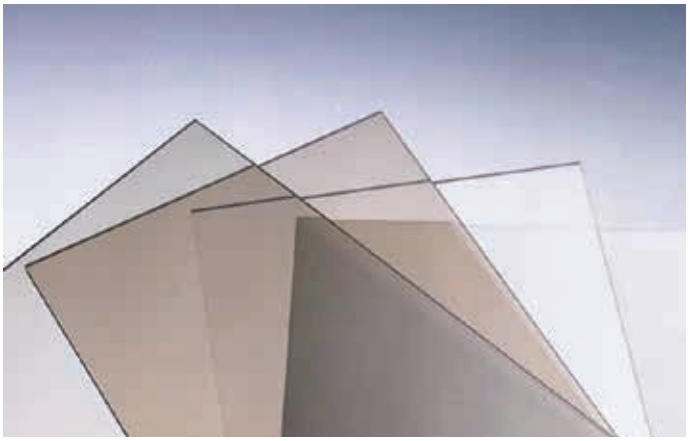


Lewmar Hatch and Portlight Seals

We are able to supply genuine replacement seals for various Lewmar hatches and portlights, including Rollstop, Trimline, Coastline, Trimport, Ocean, Concept, Low Profile, Medium profile hatches and Old Standard, New Standard, Atlantic and Ocean Portlights.

Please advise of your hatch or portlight type and part/serial number to enable us to quote. Please note that some old hatch/portlight seals may be discontinued. In this case we will recommend a suitable replacement.

Acrylic (Perspex)/Polycarbonate



For windows, hatches and washboards. Available in either full sheets or cut or shaped to any size, with or without fixing holes.

Colours/Thickness:

- Clear acrylic - 3mm to 25mm
- Mid grey acrylic - 3mm to 15mm
- Mid bronze/dark grey acrylic - 3mm to 5mm
- Clear Polycarbonate - 2mm to 12mm

Prices are available on application. Please email, fax or send drawings of your exact requirements.

Mast Sleeves

Boats that have through deck or recessed masts normally require a rubber sealing sleeve to go around the mast and fit onto a collar on the deck.

Due to the variety of different sizes available, these are made to order from 3mm Neoprene and can be supplied either open (to fit around the mast in situ), or closed (to fit around the mast when it is being stepped).

Please advise of top and bottom diameters and depth required.

Prices are available on application.

SEALS+DIRECT

Wedge seals and gaskets
Timber foam bubble seals
Timber foam 'P' seals
Timber foam flipper seals
Timber foam double flipper seals
Timber weatherseal- Flat flipper
Timber weatherseal - Angled flipper
Timber weatherseal - Flexible flipper
Timber bubble seals
Glass door seals
Crittal seal
Brush seals (Carrier fit)
Brush seals (Self-adhesive)

Please also see the other sections in our catalogue as all of our seals and trims are universal and have many applications. They do not have to be used for their exact application as specified.

Wedge Seals and Gaskets

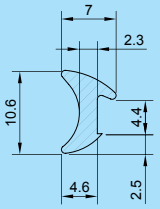
The wedge seals are designed to insert between the glass and frame on windows to make a watertight seal.
The flipper, 'E' and bubble gaskets are ideal for use in opening windows and doors.
We are also able to source many different seals for timber windows and doors. As there are so many different types available please enquire for details. Please refer to page 110 on how to take measurements and page 111 for fitting instructions.

WS 1580

TPS-SBS/SEBS

250 METRE COIL

BY THE METRE



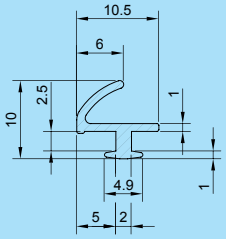
TO FIT A GAP OF 2MM TO 3MM

WS 2271

TPS-SBS/SEBS

200 METRE COIL

BY THE METRE



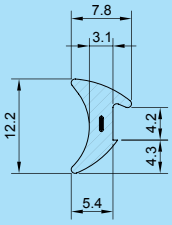
TAIL TO FIT A 4MM WIDE SLOT

WS 2268

TPS-SBS/SEBS

200 METRE COIL

BY THE METRE



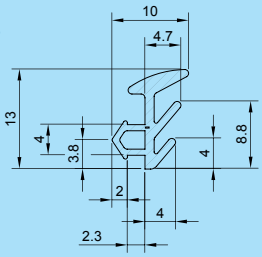
TO FIT A GAP OF 3MM

WS 2272

TPS-SBS/SEBS

150 METRE COIL

BY THE METRE



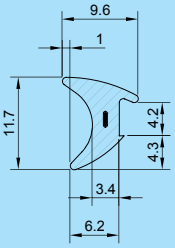
TAIL TO FIT A 4MM WIDE SLOT

WS 2269

TPS-SBS/SEBS

150 METRE COIL

BY THE METRE



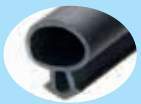
TO FIT A GAP OF 4MM

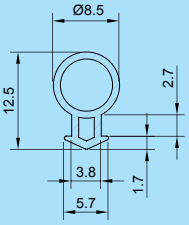
WS 2273

TPS-SBS/SEBS

200 METRE COIL

BY THE METRE





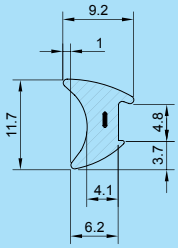
TAIL TO FIT A 5MM WIDE SLOT

WS 2270

TPS-SBS/SEBS

125 METRE COIL

BY THE METRE



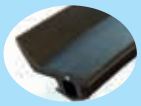
TO FIT A GAP OF 5MM

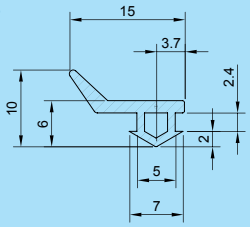
WS 3680

TPS-SBS/SEBS

250 METRE COIL

BY THE METRE





TAIL TO FIT A 5MM WIDE SLOT

COIL LENGTH

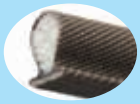
AVAILABLE BY THE METRE

Timber Foam Bubble Seals and Weatherseals

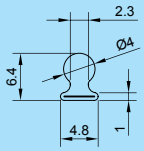
FOAM BUBBLE SEALS

PE+PP+PU

50 METRE COIL | BY THE METRE



TFS 3244 (WHITE)
TFS 3245 (BROWN)

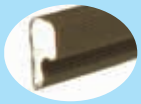


TO FIT A 4.8MM WIDE CARRIER
SEALS GAPS 1.8MM TO 3.4MM

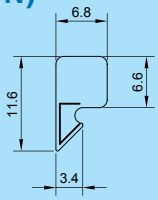
FOAM 'P' SEALS

PE+PP+PU

50 METRE COIL | BY THE METRE



TFS 3246 (WHITE)
TFS 3247 (BROWN)

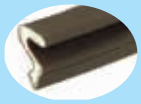


TO FIT A 3MM WIDE X 6MM DEEP GROOVE
SEALS GAPS 3.4MM TO 5.4MM

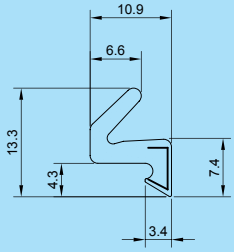
FOAM FLIPPER SEALS

PE+PP+PU

50 METRE COIL | BY THE METRE



TFS 3248 (WHITE)
TFS 3249 (BROWN)

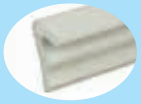
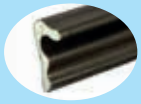


TO FIT A 2.7MM - 3MM WIDE X 6MM DEEP GROOVE
SEALS GAPS 4MM TO 7.5MM

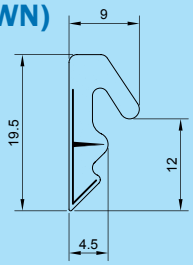
FOAM DOUBLE FLIPPER SEALS

PE+PP+PU

25 METRE COIL | BY THE METRE

TFS 3250 (WHITE)
TFS 3251 (BROWN)



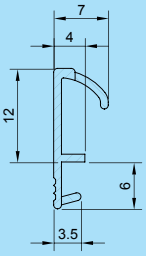
TO FIT A 2.7MM - 3MM WIDE X 7MM DEEP GROOVE
SEALS GAPS 3.5MM TO 7.5MM

WEATHERSEAL - FLAT FLIPPER

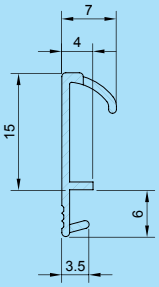
TPR

50 METRE COIL | BY THE METRE

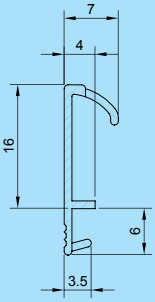
TFS 3252 (WHITE)
TFS 3256 (BROWN)
TFS 3260 (BLACK)



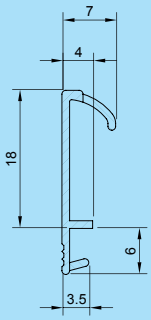
TFS 3253 (WHITE)
TFS 3257 (BROWN)
TFS 3261 (BLACK)



TFS 3254 (WHITE)
TFS 3258 (BROWN)
TFS 3262 (BLACK)



TFS 3255 (WHITE)
TFS 3259 (BROWN)
TFS 3263 BLACK)



TO FIT A 2.7MM WIDE X 6.5MM DEEP GROOVE
SEALS GAPS 2.5MM TO 5.5MM

COIL LENGTH | AVAILABLE BY THE METRE

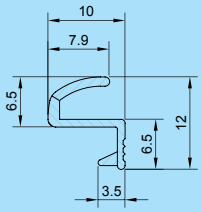
Timber Foam Bubble Seals and Weatherseals continued

WEATHERSEAL - ANGLED FLIPPER

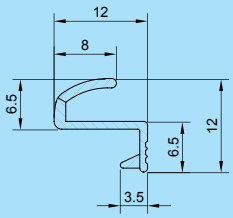
TPR

50 METRE COIL BY THE METRE

TFS 3264 (WHITE)
TFS 3266 (BROWN)



TFS 3265 (WHITE)
TFS 3267 (BROWN)



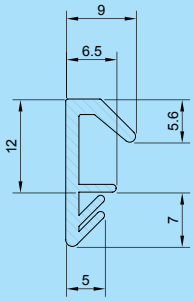
TO FIT A 2.7MM WIDE X 6.5MM DEEP GROOVE
SEALS GAPS 2.5MM TO 5.5MM

WEATHERSEAL - FLEXIBLE FLIPPER

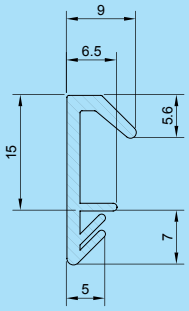
TPR

50 METRE COIL BY THE METRE

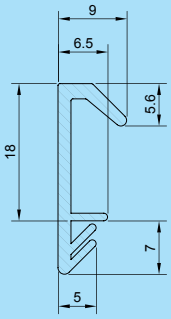
TFS 3268 (WHITE)
TFS 3271 (BROWN)
TFS 3274 (BLACK)



TFS 3269 (WHITE)
TFS 3272 (BROWN)
TFS 3275 (BLACK)



TFS 3270 (WHITE)
TFS 3273 (BROWN)
TFS 3276 (BLACK)

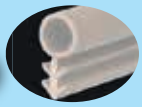


TO FIT A 5MM WIDE X 8MM DEEP GROOVE
SEALS GAPS 4.5MM TO 7MM

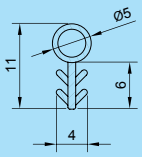
BUBBLE SEALS

TPE

50 METRE COIL BY THE METRE

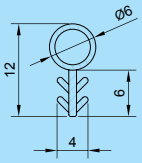


TFS 3296 (WHITE)
TFS 3297 (BROWN)
TFS 3298 (BLACK)



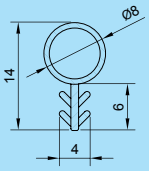
TO FIT A 2.5MM - 3MM WIDE
X 6MM DEEP GROOVE
SEALS GAPS 2MM TO 4.5MM

TFS 3299 (WHITE)
TFS 3300 (BROWN)
TFS 3301 (BLACK)



TO FIT A 2.5MM - 3MM WIDE
X 6MM DEEP GROOVE
SEALS GAPS 2MM TO 5MM

TFS 3302 (WHITE)
TFS 3303 (BROWN)
TFS 3304 (BLACK)



TO FIT A 2.5MM - 3MM WIDE X 6MM DEEP GROOVE
SEALS GAPS 3MM TO 7MM

COIL LENGTH AVAILABLE BY THE METRE

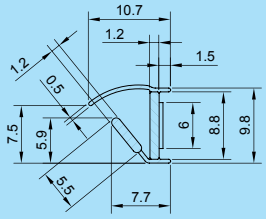
Glass Door Sections

These glass door seals offer the ideal solution for perimeter and threshold sealing of full height glass doors. They are a two part system comprising of a top and bottom seal and a side seal, both of which can be shaped onsite to accommodate various manufacturers' hardware. The seals combine rigid and flexible elements to ensure the opening and closing of the door is not compromised, whilst at the same time maintaining the low profile and high clarity. Our door seal system is suitable for use on single and double doors with standard (10 and 12mm) and laminated (10.8 and 12.8mm) glass types, the seals have a high bond adhesive tape for ease of application and to prevent delamination under normal conditions of use. The inter-changeability between the top and bottom seal and a side seal allows configurations that can accommodate solid and glazed over panels.

SIDE SEAL

GDS 3615

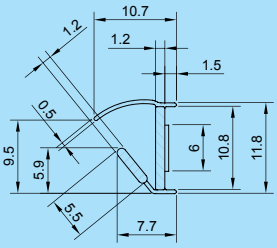
PU



FOR 10MM STANDARD + 10.8MM LAMINATED GLASS
SUPPLIED AS A 3 METRE LENGTH

GDS 3616

PU

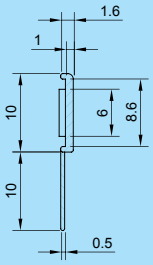


FOR 12MM STANDARD + 12.8MM LAMINATED GLASS
SUPPLIED AS A 3 METRE LENGTH

TOP AND BOTTOM SEAL

GDS 3617

PU



FOR 10MM & 12MM STANDARD + 10.8MM & 12.8MM
LAMINATED GLASS
SUPPLIED AS A 3 METRE LENGTH

Crittall Seal

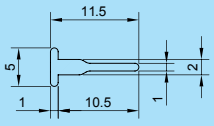
The seals in these metal windows will deteriorate over time and replacement is the only solution. Our seals are manufactured from EPDM so are UV stable and have a long lifespan.

CWS 2201

EPDM

50 METRE COIL

BY THE METRE



TO FIT A 5MM WIDE X 1MM DEEP KEYWAY

COIL LENGTH

AVAILABLE BY THE METRE

Brush Seals

They are recognised within the industry and are recommended for use in heritage and conservation buildings, including Grade I and Grade II listed buildings. They are ideal for draught and weather proofing the top, bottom or side of the sash.

BRUSH SEALS (CARRIER FIT)

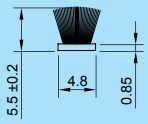
The central fin improves the draught and weather resistance, and the base is designed to fit our carrier. They exhibit good performance in durability and strength and have a very low friction surface.

BS 4084

PP

100 METRE COIL

BY THE METRE



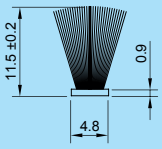
TO BE INSTALLED IN CARRIER BS 4115 OR MOST 4.8MM CARRIERS
FOR GAPS 1.5MM TO 2.5MM

BS 4086

PP

50 METRE COIL

BY THE METRE



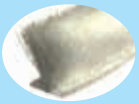
TO BE INSTALLED IN CARRIER BS 4115 OR MOST 4.8MM CARRIERS
FOR GAPS 6MM TO 8.5MM

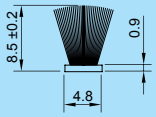
BS 4085

PP

100 METRE COIL

BY THE METRE

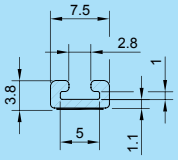




TO BE INSTALLED IN CARRIER BS 4115 OR MOST 4.8MM CARRIERS
FOR GAPS 3MM TO 5MM

BS 4115

PP



SUPPLIED AS A 2.2 METRE LENGTH

BRUSH SEALS (SELF ADHESIVE)

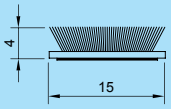
These seals may be used in the meeting rail and also between the side of the sash frame and the sash for added draught proofing and to prevent rattle in the wind. The self-adhesive base is a high strength tape adhesive that once stuck to your window will not come off.

BS 4087

PP

25 METRE COIL

BY THE METRE



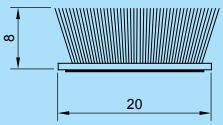
FOR GAPS 1.5MM TO 3MM

BS 4089

PP

25 METRE COIL

BY THE METRE



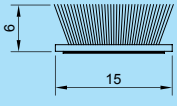
FOR GAPS 4MM TO 7MM

BS 4088

PP

25 METRE COIL

BY THE METRE



FOR GAPS 3MM TO 5MM

COIL LENGTH

AVAILABLE BY THE METRE

SEALS+DIRECT

Double glazed opening window seals
Insert strip for opening window seals
Fixed window rubber seals complete with filler strip
Screw cover strip
Caravan door seals
Caravan seals miscellaneous
Caravan and Motorhome cover strip fitting tool

Please also see the other sections in our catalogue as all of our seals and trims are universal and have many applications. They do not have to be used for their exact application as specified.

Double Glazed Opening Window Seals

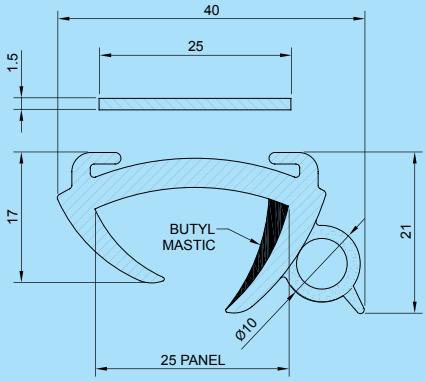
Please refer to page 113 for fitting instructions.

CS 1679G
CS 1679W

EPDM+EXP EPDM, PVC

20 METRE COIL

BY THE METRE



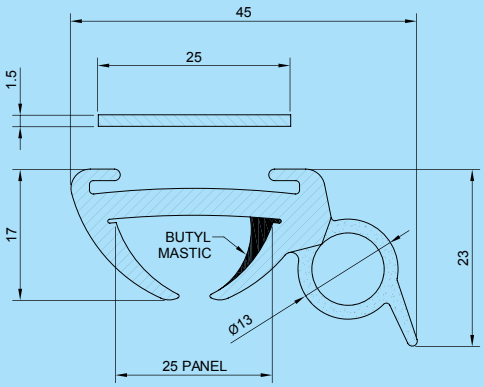
SMALL BULB - CS 1679G (GREY INSERT) - CS 1679W (WHITE INSERT)

CS 784G
CS 784W

EPDM+EXP EPDM, PVC

20 METRE COIL

BY THE METRE



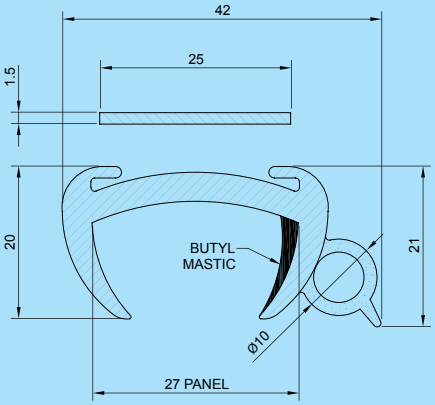
LARGE BULB - CS 784G (GREY INSERT) - CS 784W (WHITE INSERT)

CS 1680G
CS 1680W

EPDM+EXP EPDM, PVC

20 METRE COIL

BY THE METRE



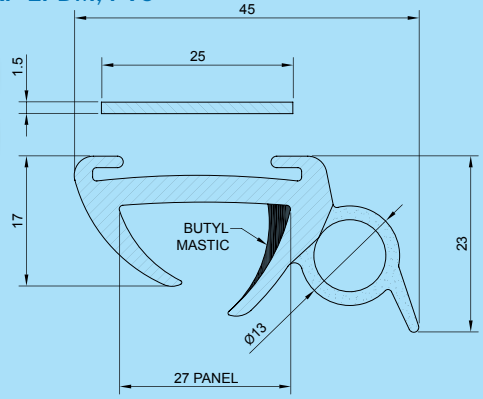
SMALL BULB - CS 1680G (GREY INSERT) - CS 1680W (WHITE INSERT)

CS 785G
CS 785W

EPDM+EXP EPDM, PVC

20 METRE COIL

BY THE METRE



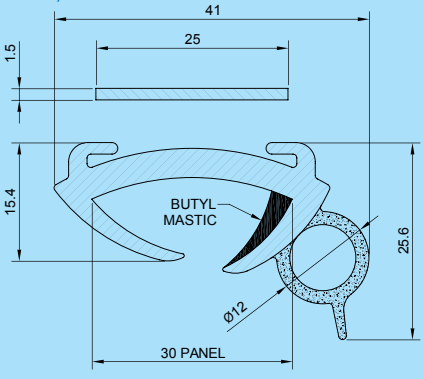
LARGE BULB - CS 785G (GREY INSERT) - CS 785W (WHITE INSERT)

CS 1681G
CS 1681W

EPDM+EXP EPDM, PVC

20 METRE COIL

BY THE METRE



SMALL BULB - CS 1681G (GREY INSERT) - CS 1681W (WHITE INSERT)

COIL LENGTH

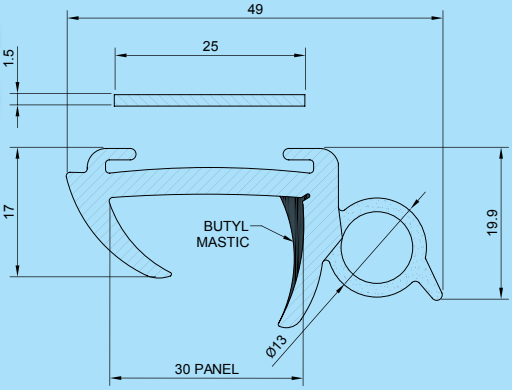
AVAILABLE BY THE METRE

Double Glazed Opening Window Seals continued

CS 786G
CS 786W

EPDM+EXP EPDM, PVC

20 METRE COIL
BY THE METRE

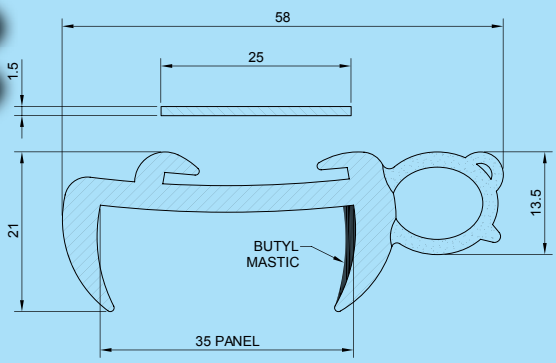


LARGE BULB - CS 786G (GREY INSERT) - CS 786W (WHITE INSERT)

CS 4091G
CS 4091W

EPDM+EXP EPDM, PVC

20 METRE COIL
BY THE METRE

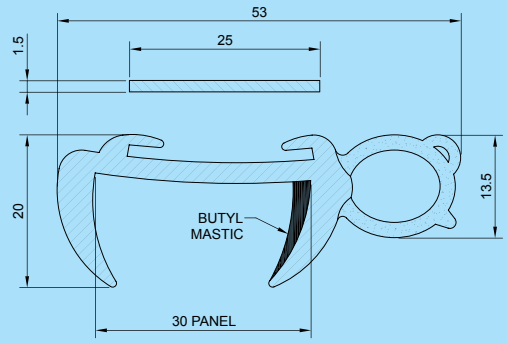


CS 4091G (GREY INSERT) - CS 4091W (WHITE INSERT)

CS 4090G
CS 4090W

EPDM+EXP EPDM, PVC

20 METRE COIL
BY THE METRE

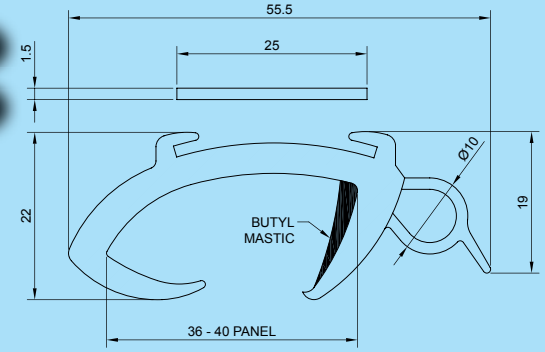


CS 4090G (GREY INSERT) - CS 4090W (WHITE INSERT)

CS 4556G
CS 4556W

EPDM+EXP EPDM, PVC

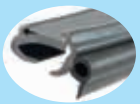
40 METRE COIL
BY THE METRE



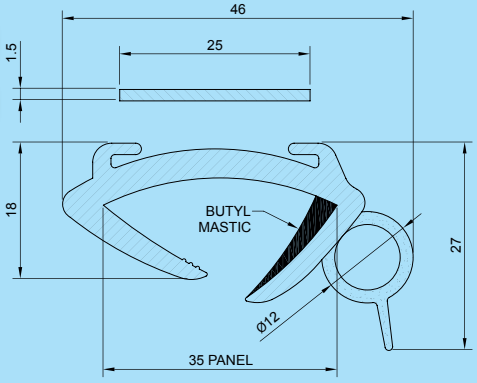
CS 4556G (GREY INSERT) - CS 4556W (WHITE INSERT)

CS 3002G
CS 3002W

EPDM+EXP EPDM, PVC



20 METRE COIL
BY THE METRE



CS 3002G (GREY INSERT) - CS 3002W (WHITE INSERT)

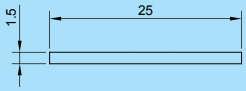
COIL LENGTH
AVAILABLE BY THE METRE

Insert Strip for Opening Window Seals

CS 868
PVC

20 METRE COIL

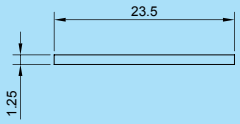
BY THE METRE



COLOUR WHITE

CS 1153
PVC

20 METRE COIL

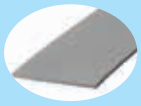


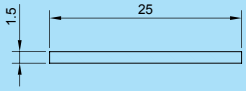
COLOUR WHITE

CS 1682
PVC

20 METRE COIL

BY THE METRE

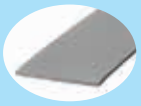


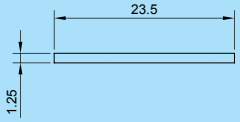


COLOUR GREY

CS 1683
PVC

20 METRE COIL





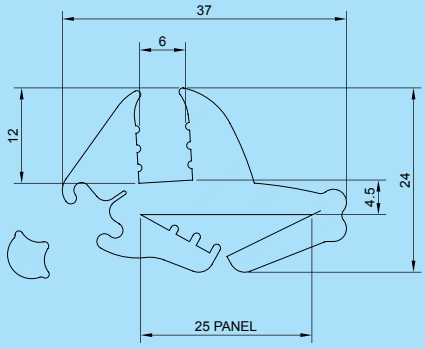
COLOUR GREY

Fixed Window Rubber Seals complete with Filler Strip

CS 787
EPDM

15 METRE COIL

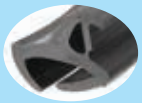
BY THE METRE

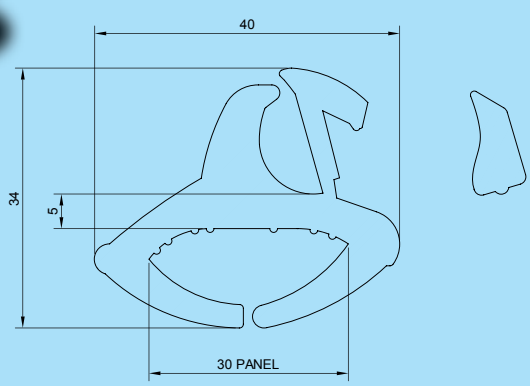


CS 789
EPDM

20 METRE COIL

BY THE METRE

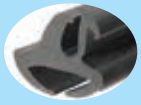


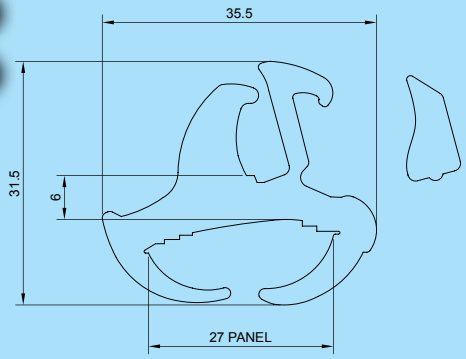


CS 788
EPDM

20 METRE COIL

BY THE METRE





COIL LENGTH

AVAILABLE BY THE METRE

Screw Cover Strip

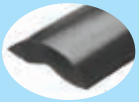
This flexible plastic strip is used to cover screw heads and usually fits into a recess in a window channel or trim.

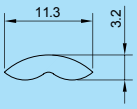
SCS 287

PVC

100 METRE COIL

BY THE METRE





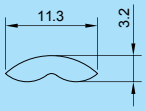
COLOUR BLACK

SCS 903

PVC

100 METRE COIL

BY THE METRE



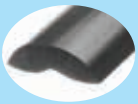
COLOUR WHITE

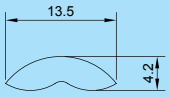
SCS 288

PVC

100 METRE COIL

BY THE METRE





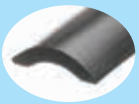
COLOUR BLACK

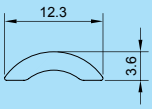
SCS 917

PVC

100 METRE COIL

BY THE METRE





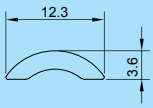
COLOUR BLACK

SCS 918

PVC

100 METRE COIL

BY THE METRE



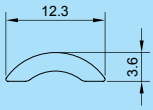
COLOUR WHITE

SCS 919

PVC

100 METRE COIL

BY THE METRE



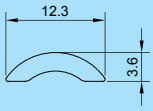
COLOUR CREAM

SCS 920

PVC

100 METRE COIL

BY THE METRE



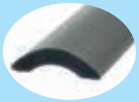
COLOUR MAROON

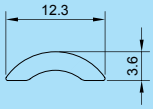
SCS 921

PVC

100 METRE COIL

BY THE METRE





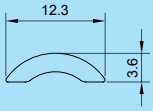
COLOUR SILVER

SCS 922

PVC

100 METRE COIL

BY THE METRE



COLOUR BEIGE

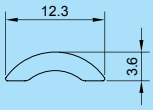
COIL LENGTH

AVAILABLE BY THE METRE

Screw Cover Strip continued

SCS 923
PVC

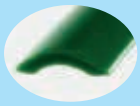
100 METRE COIL
BY THE METRE

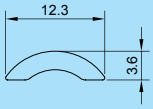


COLOUR GREY

SCS 3278
PVC

100 METRE COIL
BY THE METRE

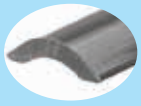


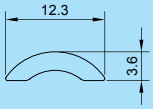


COLOUR GREEN

SCS 1318
PVC

100 METRE COIL
BY THE METRE

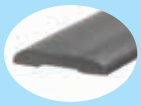


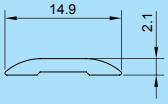


COLOUR NAVY BLUE

SCS 289
PVC

100 METRE COIL
BY THE METRE

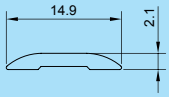




COLOUR BLACK

SCS 1202
PVC

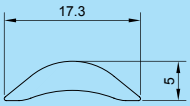
100 METRE COIL
BY THE METRE



COLOUR CREAM

SCS 1745
PVC

30 METRE COIL
BY THE METRE

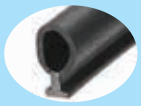


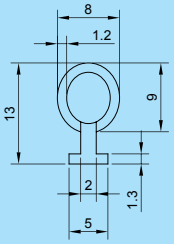
COLOUR WHITE

Caravan Door Seals

OWS 780
EPDM+EXP EPDM

50 METRE COIL
BY THE METRE





TO FIT 5MM WIDE X 1.5MM KEYWAY

COIL LENGTH
AVAILABLE BY THE METRE

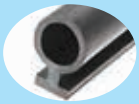
Caravan Door Seals continued

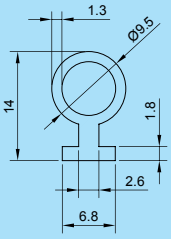
OWS 781

EPDM

30 METRE COIL

BY THE METRE





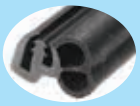
TO FIT 7MM WIDE X 2MM KEYWAY

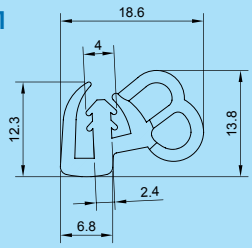
CS 904

EPDM+EXP EPDM

25 METRE COIL

BY THE METRE





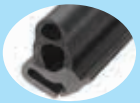
CARAVAN & MOTORHOME DOOR SEAL

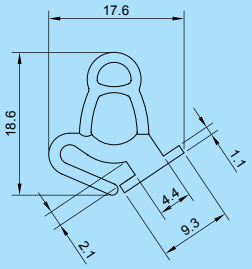
CS 1134

EPDM+EXP EPDM

23 METRE COIL

BY THE METRE





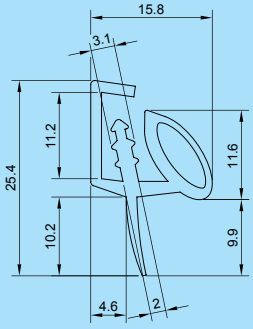
CARAVAN & MOTORHOME DOOR SEAL

CS 1105

EPDM

50 METRE COIL

BY THE METRE



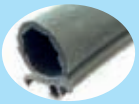
CARAVAN & MOTORHOME DOOR SEAL

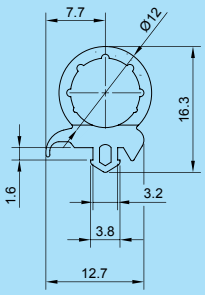
CS 3899

EPDM+EXP EPDM

50 METRE COIL

BY THE METRE





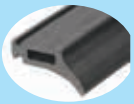
CARAVAN & MOTORHOME DOOR SEAL

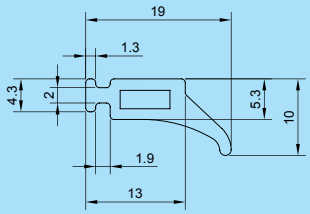
OWS 1033

CR

30 METRE COIL

BY THE METRE





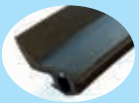
TO FIT 5MM WIDE X 1MM KEYWAY

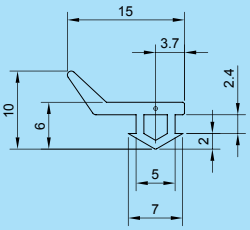
CS 3680

TPS-SBS/SEBS

250 METRE COIL

BY THE METRE





TO FIT 5MM WIDE SLOT

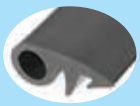
COIL LENGTH

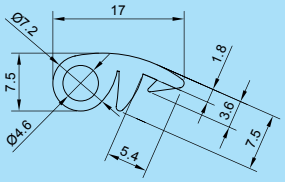
AVAILABLE BY THE METRE

Caravan Seals Miscellaneous

CS 909
EPDM

30 METRE COIL
BY THE METRE

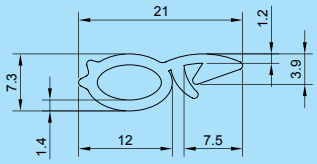




BATTERY BOX SEAL

CS 2462
EPDM

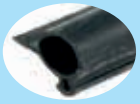
30 METRE COIL
BY THE METRE

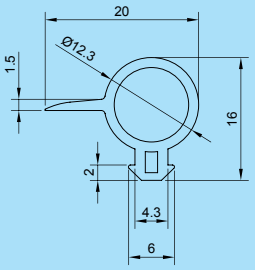


BATTERY BOX SEAL

CS 3176
EPDM

30 METRE COIL
BY THE METRE

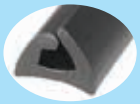


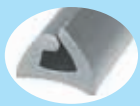


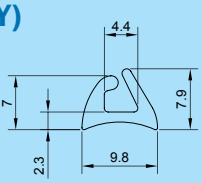
REMI ROOF LIGHT SEAL

CS 924 (BLACK)
CS 4295 (GREY)
PVC

100 METRE COIL
BY THE METRE



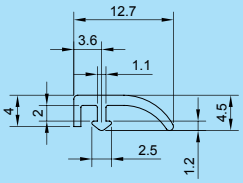




AWNING RAIL SEAL

CS 925
PVC

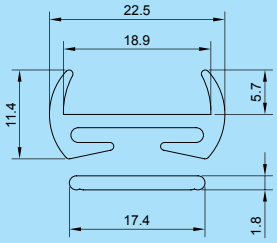
100 METRE COIL
BY THE METRE



DOOR SEAL

CS 926
PVC

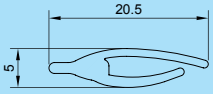
50 METRE COIL
BY THE METRE



DOOR APERTURE CHANNEL WITH INSERT (COLOUR BEIGE)

CS 927
PVC

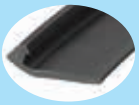
30 METRE COIL
BY THE METRE

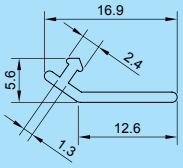


INNER SIDE AND ROOF JOINT TRIM (COLOUR CREAM)

CS 928
PVC

30 METRE COIL
BY THE METRE

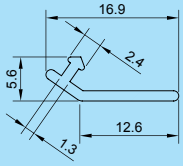




DOOR FRAME TRIM (COLOUR BLACK)

CS 929
PVC

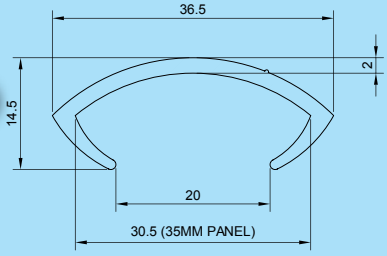
30 METRE COIL
BY THE METRE



DOOR FRAME TRIM (COLOUR GREY)

CS 930
PVC

10 METRE COIL



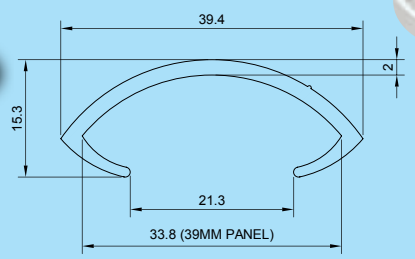
STATIC CARAVAN INTERNAL WINDOW AND DOOR CAPPING

COIL LENGTH
AVAILABLE BY THE METRE

Caravan Seals Miscellaneous continued

CS 931
PVC

10 METRE COIL

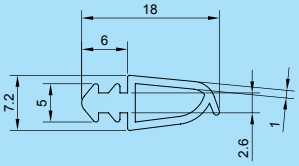


STATIC CARAVAN INTERNAL WINDOW AND DOOR CAPPING

CS 1146
EPDM

50 METRE COIL

BY THE METRE

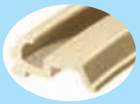


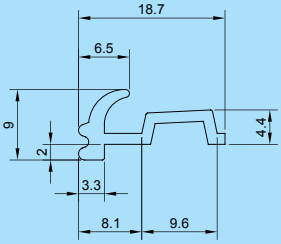
ROOF LIGHT SEAL

CS 1684
EPDM

50 METRE COIL

BY THE METRE



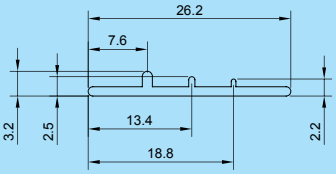


BAILEY GUTTER TRIM (COLOUR LIGHT GREY)

CS 1420
PVC

50 METRE COIL

BY THE METRE

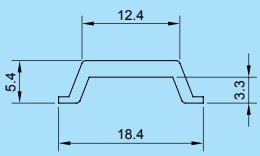


RIBBED WAIST SECTION

CS 1244
PVC

50 METRE COIL

BY THE METRE

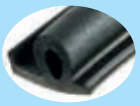


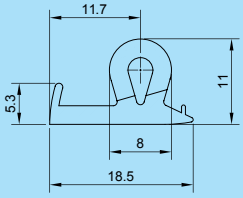
BAILEY AWNING RAIL INSERT (COLOUR GREY)

CS 3087
EPDM+EXP EPDM

30 METRE COIL

BY THE METRE



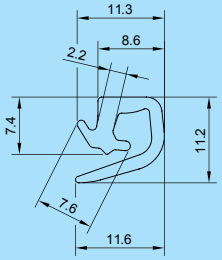


THETFORD BATTERY/LOCKER SEAL

CS 3873
SIL

30 METRE COIL

BY THE METRE

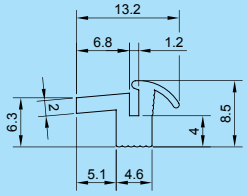


DOOR TRIM SEAL

CSS 4037
SIL

25 METRE COIL

BY THE METRE

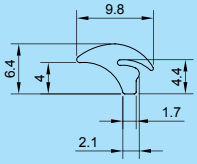


SWIFT CARAVAN SINK SEAL

CSS 4038
SIL

25 METRE COIL

BY THE METRE



SINK SEAL

COIL LENGTH

AVAILABLE BY THE METRE

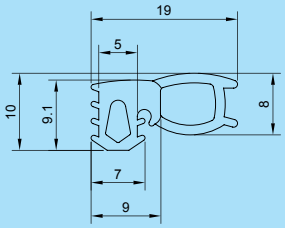
Caravan Seals Miscellaneous continued

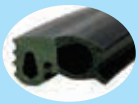
CS 4338

SIL

100 METRE COIL

BY THE METRE





POLYVISION WINDOW SEAL

Caravan & Motorhome Cover Strip Fitting Tool

This tool has been designed to simplify the fitting of the cover strip to double glazed opening window rubbers.

Please follow the link to view our YouTube video showing how to use the tool:
https://www.youtube.com/watch?v=5kthfMx2IFA

A lubricant to go inside the rubber should be used to make the tool slide more easily. This will greatly improve the ease and speed in which you can fit the cover strip. We recommend our silicone spray, order code SS 4363.

CST 4335

CARAVAN AND MOTORHOME DOUBLE GLAZED OPENING WINDOW COVER STRIP FITTING TOOL

SS 4363

SILICONE LUBRICATING SPRAY (500ML)
FOR USE WITH COVER STRIP FITTING TOOL CST 4335

COIL LENGTH

AVAILABLE BY THE METRE

SEALS+DIRECT

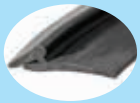
Jaguar seals
Morris Minor seals
MG seals
Land Rover seals
Triumph seals
Mini seals
Windscreen, backlight and quarterlight rubbers
Automotive seals (miscellaneous)
Running board treads
Plastic wing piping

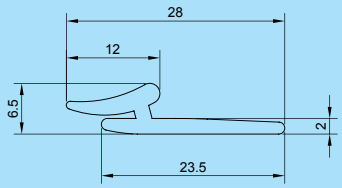
Please also see the other sections in our catalogue as all of our seals and trims are universal and have many applications. They do not have to be used for their exact application as specified.

Jaguar Seals

ATJ 1927
EPDM

30 METRE COIL
BY THE METRE

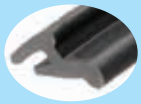


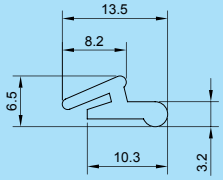


JAGUAR E TYPE SERIES 2 FINISHER RUBBER REAR BUMPER
BD 35977

ATJ 1928
EPDM

30 METRE COIL
BY THE METRE

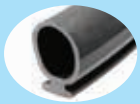


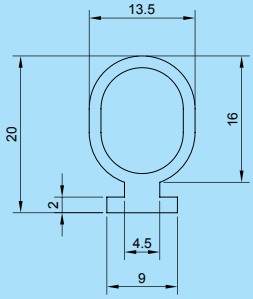


JAGUAR SERIES 1,2,3 FRONT BUMPER FINISHER RUBBER
BD 18947

ATJ 1929
EPDM

30 METRE COIL
BY THE METRE

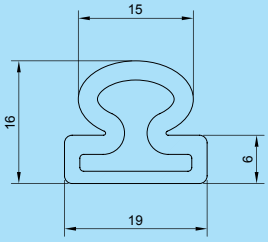




JAGUAR E TYPE FHC SERIES 3, 2+2 SERIES 2 TYPE
BD 30301

ATJ 1931
NR

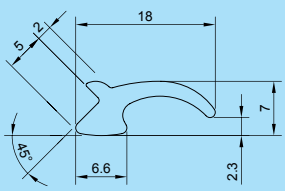
30 METRE COIL
BY THE METRE



JAGUAR E TYPE BONNET SEAL
BD 20903

ATJ 1933
EPDM

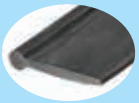
30 METRE COIL
BY THE METRE

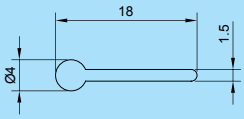


JAGUAR E TYPE SERIES 1,2 & 3, 2+2 ROADSTER WINDOW WELT
BD 21073

ATJ 1934
EPDM

30 METRE COIL
BY THE METRE

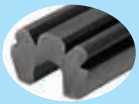


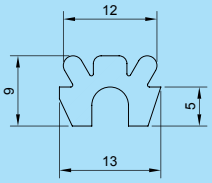


JAGUAR XK TYPE DOOR GLASS WELT
BD 5358/4

ATJ 1935
EPDM

30 METRE COIL
BY THE METRE

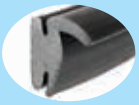


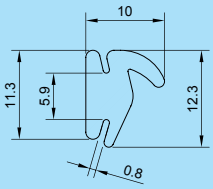


JAGUAR E TYPE BOOT BEADING
BD 604/5

ATJ 1936
EPDM

30 METRE COIL
BY THE METRE

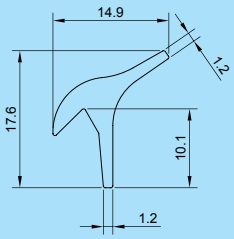




JAGUAR NDV SECTION UPPER B POST QL HINGE PILLAR SEAL
BD 17071

ATJ 1937
EPDM

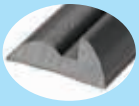
30 METRE COIL
BY THE METRE

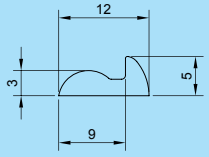


JAGUAR XK 150 TYPE ROADSTER WAIST STRIP
BD 14971/1

ATJ 1939
PVC

30 METRE COIL
BY THE METRE





JAGUAR OVER RIDER PLASTIC
No. 209

COIL LENGTH
AVAILABLE BY THE METRE

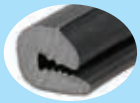
Jaguar Seals continued

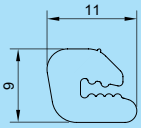
ATJ 1940

EPDM

30 METRE COIL

BY THE METRE





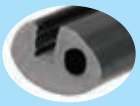
JAGUAR XJ6 TYPE SERIES 3 INNER FRONT WINDSCREEN TRIM
BD 1977

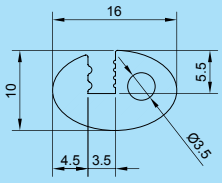
ATJ 1941

EPDM

30 METRE COIL

BY THE METRE





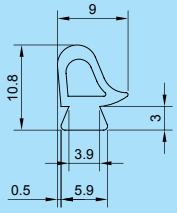
JAGUAR XJ6 TYPE SERIES 3 INNER REAR SCREEN TRIM
BAC 2288

ATJ 1942

EPDM

30 METRE COIL

BY THE METRE



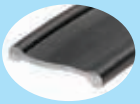
JAGUAR MK V TYPE SEAL
BD 1207/2

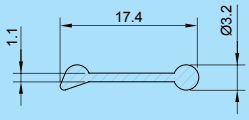
ATJ 1943

PVC

30 METRE COIL

BY THE METRE

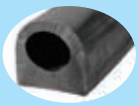


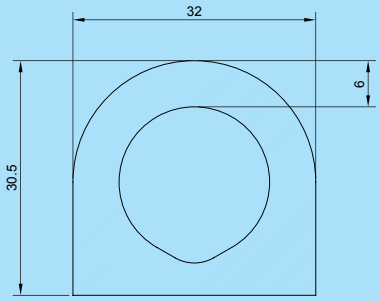


JAGUAR E TYPE HEADLAMP SEAL
BD 35729/30

ATJ 1944

EPDM





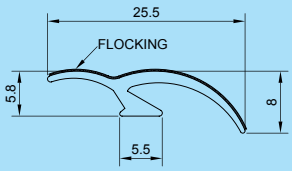
JAGUAR XK TYPE COCKPIT RUBBER
SUPPLIED AS A 3.1 METRE LENGTH
BD 3631

ATJ 1945

EPDM

30 METRE COIL

BY THE METRE



JAGUAR E TYPE & XJ6 FLOCKED OUTER WAIST STRIP
BD 46440/1

ATJ 2466

EPDM

JAGUAR MK2 DOOR SEAL SET COMPRISING OF THE FOLLOWING:

BD 18267 - FRONT LEFT A POST DOOR SEAL
BD 18268 - FRONT RIGHT A POST DOOR SEAL
BD 19155 - FRONT LEFT B POST DOOR SEAL
BD 19156 - FRONT RIGHT B POST DOOR SEAL
BD 18271/2/3 - FRONT SILL SEAL
BD 18266 - REAR LEFT C POST DOOR SEAL
BD 18265 - REAR RIGHT C POST DOOR SEAL
BD 18269 - REAR LEFT D POST DOOR SEAL
BD 18270 - REAR RIGHT D POST DOOR SEAL

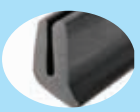
Morris Minor Seals

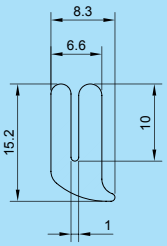
ATMM 1946

EPDM

30 METRE COIL

BY THE METRE





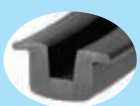
MORRIS 1000 BOOT RUBBER

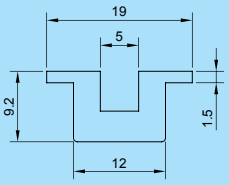
ATMM 1947

EPDM

30 METRE COIL

BY THE METRE





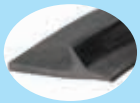
MORRIS MINOR TYPE 4 DOOR

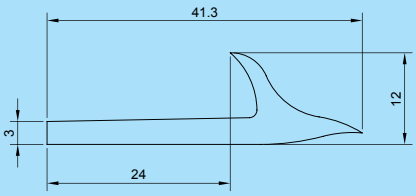
COIL LENGTH

AVAILABLE BY THE METRE

Morris Minor Seals continued

ATMM 1948
EPDM

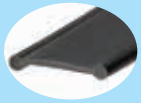


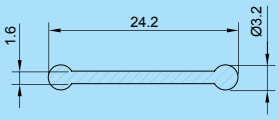


MORRIS VAN TO BODY CAB SEAL
SUPPLIED AS A 3.65 METRE LENGTH

ATMM 1949
EPDM

30 METRE COIL
BY THE METRE

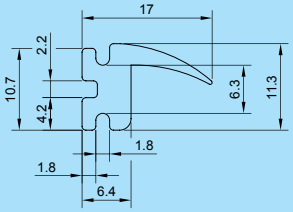




MORRIS MINOR QUARTERLIGHT FRAME TO DOOR SEAL

ATMM 1950
EPDM

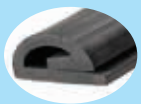
30 METRE COIL
BY THE METRE

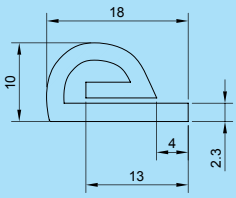


MORRIS MINOR UPRIGHT SEAL FOR FRONT QUARTERLIGHT

ATMM 1951
EPDM

30 METRE COIL
BY THE METRE

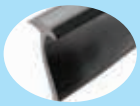


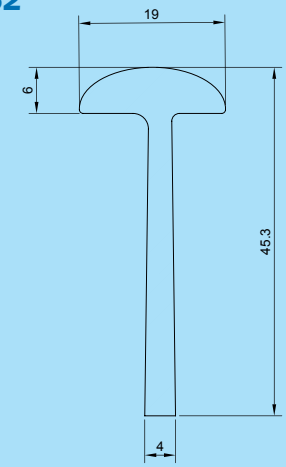


MORRIS MINOR BOTTOM DOOR SEAL

ATMM 1952
EPDM

30 METRE COIL
BY THE METRE

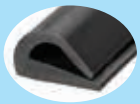


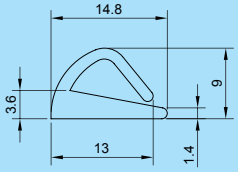


MORRIS TRAVELLER ROOF SEAL

ATMM 1953
EPDM

30 METRE COIL
BY THE METRE

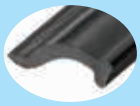


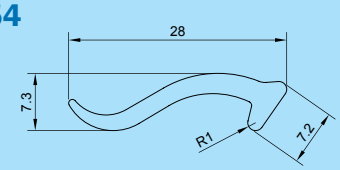


MORRIS 1000 BOTTOM DOOR SEAL

ATMM 1954
EPDM

30 METRE COIL
BY THE METRE

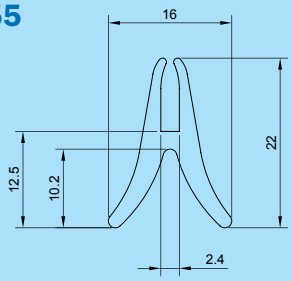




MORRIS MINOR LOWER DOOR SEAL

ATMM 1955
EPDM

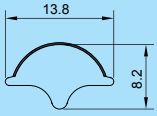
30 METRE COIL
BY THE METRE



MORRIS 1000 WING TO FRONT PANEL SEAL

ATMM 1956
PVC

30 METRE COIL
BY THE METRE



MORRIS MINOR 1000 TYPE CHROME
WINDSCREEN FILLER STRIP

COIL LENGTH
AVAILABLE BY THE METRE

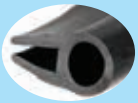
MG Seals

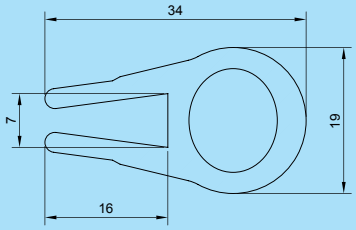
ATMG 1957

EPDM

30 METRE COIL

BY THE METRE





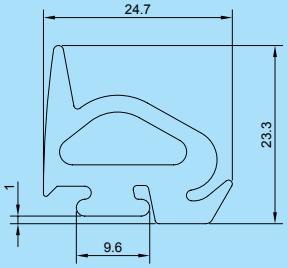
MG TA TYPE SCUTTLE RUBBER

ATMG 1958

EPDM

30 METRE COIL

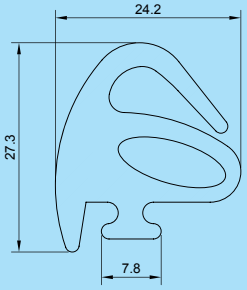
BY THE METRE



MG ROADSTER PILLAR SEAL

ATMG 1959

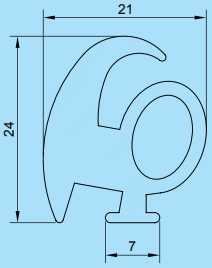
EPDM



MG ROADSTER WINDSCREEN TO BODY SEAL
SUPPLIED AS A 1.409 METRE LENGTH

ATMG 1960

EPDM



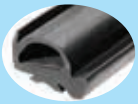
MG MIDGET PILLAR SEAL
SUPPLIED AS A 1.5 METRE LENGTH

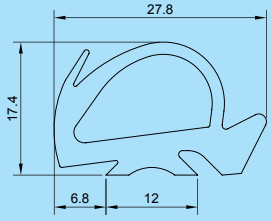
ATMG 1961

EPDM

30 METRE COIL

BY THE METRE





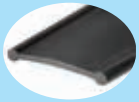
MG MIDGET PILLAR SEAL

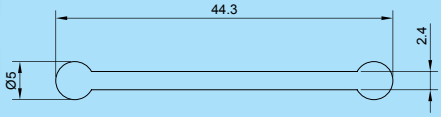
ATMG 1962

EPDM

30 METRE COIL

BY THE METRE





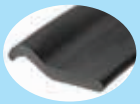
MG TANK STRAP

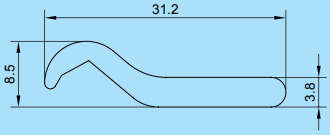
ATMG 1963

EPDM

30 METRE COIL

BY THE METRE





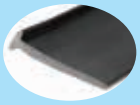
MG TA/TF TYPE BONNET REST RUBBER SEAL

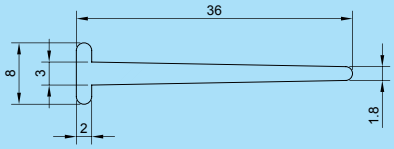
ATMG 1964

EPDM

30 METRE COIL

BY THE METRE





MG BONNET TO WINDSCREEN SEAL

COIL LENGTH

AVAILABLE BY THE METRE

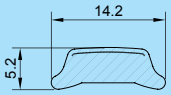
MG Seals continued

ATMG 1965

PVC

25 METRE COIL

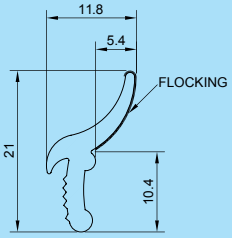
BY THE METRE



MG AND HILLMAN AVENGER WINDSCREEN FILLER STRIP

ATMG 1966

PVC



MG OUTER WAIST
SUPPLIED AS A 1 METRE LENGTH

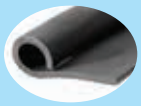
Land Rover Seals

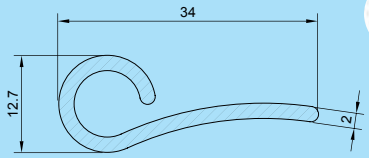
ATLR 1967

EPDM

30 METRE COIL

BY THE METRE





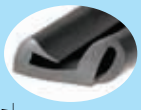
LAND ROVER REAR TAILGATE SEAL

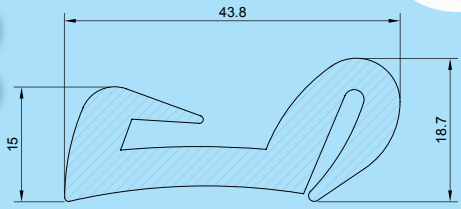
ATLR 1970

EPDM

30 METRE COIL

BY THE METRE





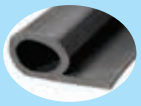
LAND ROVER SERIES 1 SCREEN TO BODY SEAL

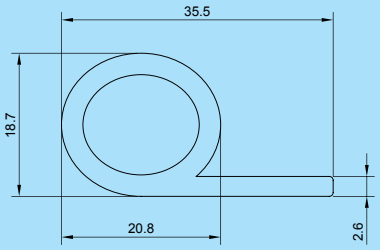
ATLR 1971

EPDM

30 METRE COIL

BY THE METRE





LAND ROVER SERIES 1 DOOR PILLAR SEAL

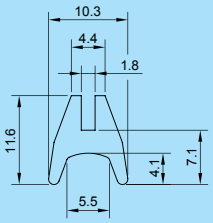
Triumph Seals

ATT 1972

EPDM

30 METRE COIL

BY THE METRE



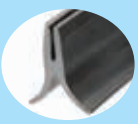
TRIUMPH TR4, TR4A & TR5 SURREY TOP BASE SEAL

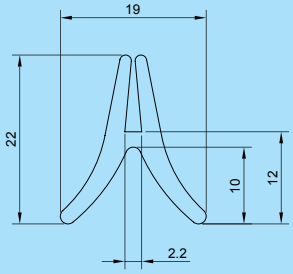
ATT 1973

EPDM

30 METRE COIL

BY THE METRE





TRIUMPH 2000 & 2500 MK1 & 2 BULK HEAD SEAL

COIL LENGTH

AVAILABLE BY THE METRE

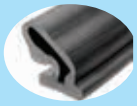
Triumph Seals continued

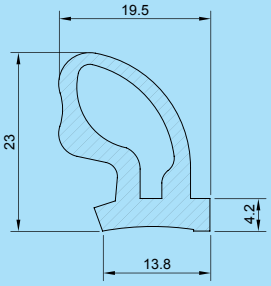
ATT 1974

EPDM

30 METRE COIL

BY THE METRE





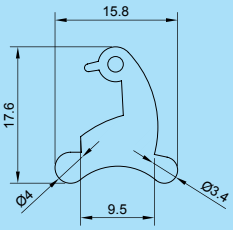
TRIUMPH STAG HOOD SEAL

ATMG 1978

EPDM

30 METRE COIL

BY THE METRE



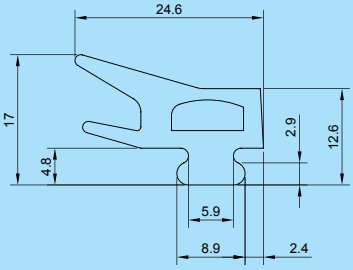
TRIUMPH HERALD HOOD SEAL

ATT 1975

EPDM

30 METRE COIL

BY THE METRE



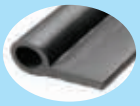
TRIUMPH STAG SEAL

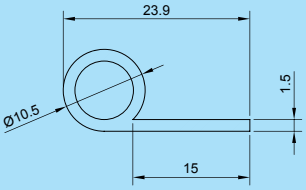
ATT 1979

EPDM

50 METRE COIL

BY THE METRE





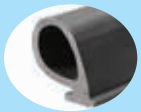
TRIUMPH TR5 & EARLY TR6 TYPES

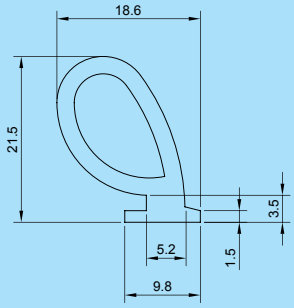
ATT 1976

EPDM

30 METRE COIL

BY THE METRE





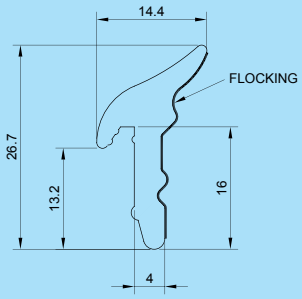
TRIUMPH SPITFIRE HOOD SEAL

ATT 1980

EPDM

25 METRE COIL

BY THE METRE



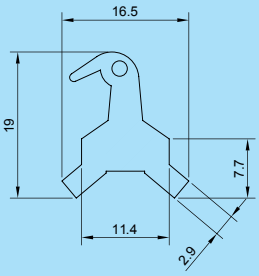
TRIUMPH 2000, 2500 & DOLOMITE OUTER WINDOW WAIST STRIP

ATT 1977

EPDM

30 METRE COIL

BY THE METRE



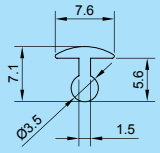
TRIUMPH TR5 & TR6 HOOD SEAL

ATT 1981

CAB

30 METRE COIL

BY THE METRE



TRIUMPH WINDSCREEN CHROME FILLER STRIP

COIL LENGTH

AVAILABLE BY THE METRE

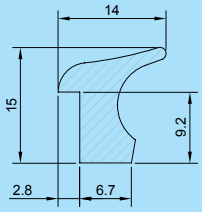
Mini Seals

ATM 1982

CR

30 METRE COIL

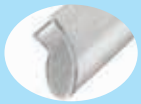
BY THE METRE

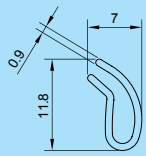


MINI VAN FLOOR SEAL

ATM 1983

CAB





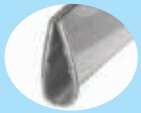
MINI ROOF SEAL
SUPPLIED AS A 5.61 METRE LENGTH

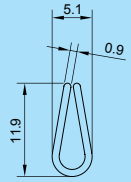
ATM 1984

CAB

30 METRE COIL

BY THE METRE





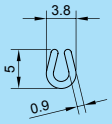
MINI WHEEL ARCH TRIM

ATM 1985

CAB

30 METRE COIL

BY THE METRE



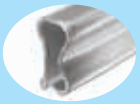
MINI GRILL TRIM

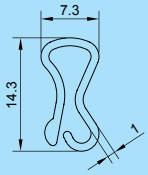
ATM 1986

CAB

30 METRE COIL

BY THE METRE





MINI WHEEL ARCH TRIM

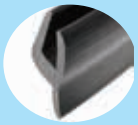
Automotive Seals (Miscellaneous)

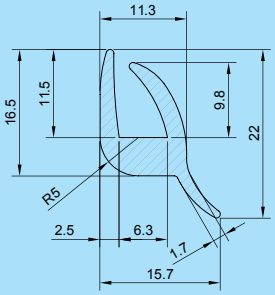
AT 1987

EPDM

30 METRE COIL

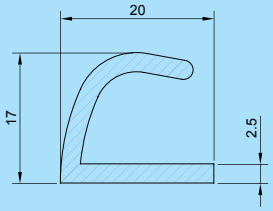
BY THE METRE





AT 1989

EPDM



SUPPLIED AS A 3.048 METRE LENGTH

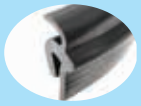
COIL LENGTH

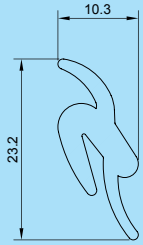
AVAILABLE BY THE METRE

Automotive Seals (Miscellaneous) continued

AT 1991
EPDM

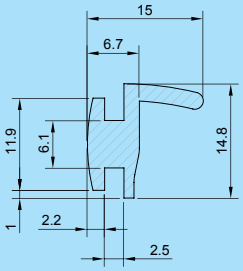
30 METRE COIL
BY THE METRE





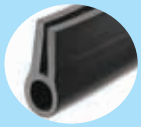
AT 1998
EPDM

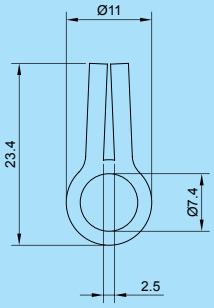
30 METRE COIL
BY THE METRE



AT 1992
CR

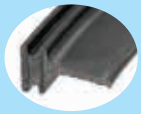
30 METRE COIL
BY THE METRE

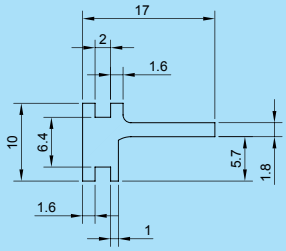




AT 2000
EPDM

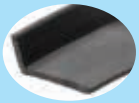
30 METRE COIL
BY THE METRE

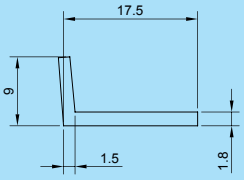




AT 1993
EPDM

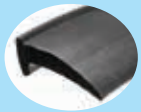
30 METRE COIL
BY THE METRE

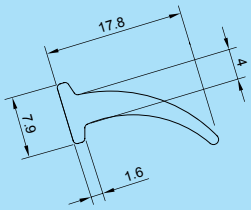




AT 2001
EPDM

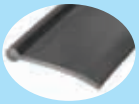
30 METRE COIL
BY THE METRE

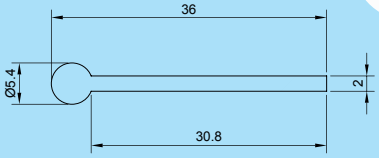




AT 1995
EPDM

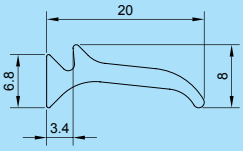
30 METRE COIL
BY THE METRE





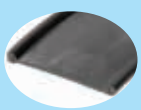
AT 2002
EPDM

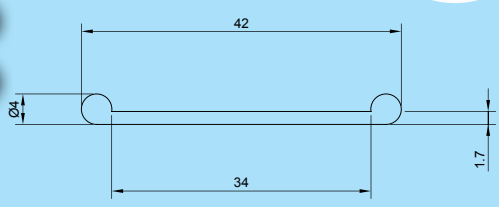
30 METRE COIL
BY THE METRE



AT 1996
EPDM

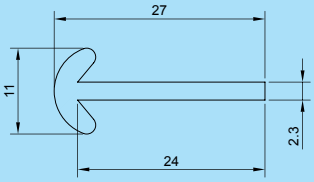
30 METRE COIL
BY THE METRE





AT 2003
CR

30 METRE COIL
BY THE METRE

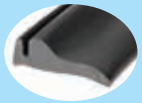


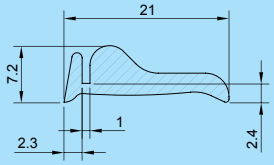
COIL LENGTH
AVAILABLE BY THE METRE

Automotive Seals (Miscellaneous) continued

AT 2005
CR

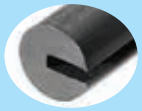
50 METRE COIL
BY THE METRE

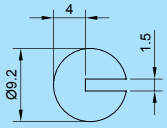




AT 2006
EPDM

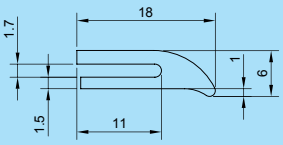
50 METRE COIL
BY THE METRE





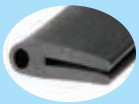
AT 2007
EPDM

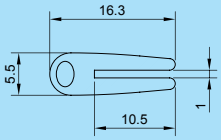
50 METRE COIL
BY THE METRE



AT 2008
EPDM

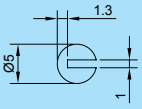
50 METRE COIL
BY THE METRE





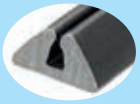
AT 2009
PVC

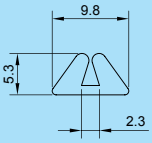
100 METRE COIL
BY THE METRE



AT 2010
PVC

30 METRE COIL
BY THE METRE

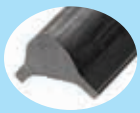


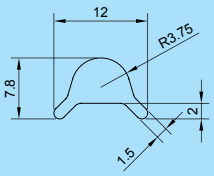


Running Board Treads

RBT 2012
EPDM

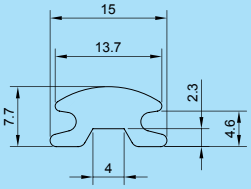
30 METRE COIL
BY THE METRE





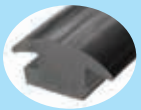
RBT 2013
EPDM

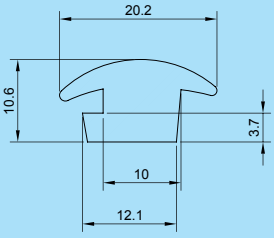
30 METRE COIL
BY THE METRE



RBT 2014
EPDM

30 METRE COIL
BY THE METRE





COIL LENGTH
AVAILABLE BY THE METRE

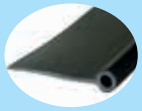
Plastic Wing Piping

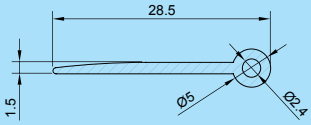
PWP 4075

PVC

50 METRE COIL

BY THE METRE



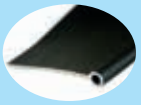


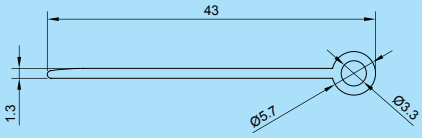
PWP 4076

PVC

50 METRE COIL

BY THE METRE



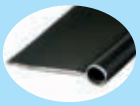


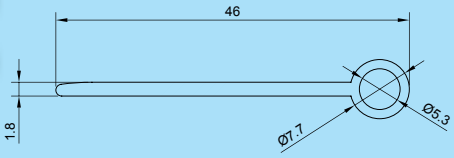
PWP 4077

PVC

50 METRE COIL

BY THE METRE



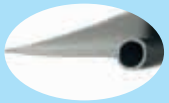


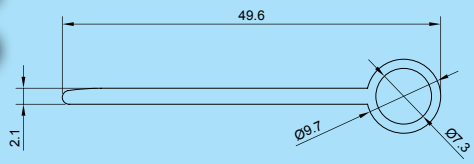
PWP 4078

PVC

50 METRE COIL

BY THE METRE





COIL LENGTH

AVAILABLE BY THE METRE

COIL LENGTH AVAILABLE BY THE METRE

SEALS+DIRECT

Rubber fenders
PVC fenders
Aluminium profiles
Replacement inserts
Easy fit ‘D’ fender

Please also see the other sections in our catalogue as all of our seals and trims are universal and have many applications. They do not have to be used for their exact application as specified.

Rubber Fenders

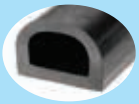
Our rubber fenders are made from a marine quality EPDM rubber, which has excellent weathering, UV and wear resistance properties. When fitting the 'D' shaped fenders don't forget to order the solid neoprene cord for plugging the bolt holes. These can be bonded in place with Polyurethane adhesive our order code S 136.
Please refer to page 116 for fitting instructions.

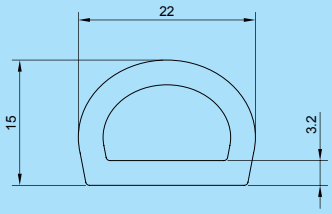
RFD 95

EPDM

25 METRE COIL

BY THE METRE

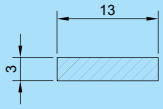




PFDS 591

PVC

3 METRE COIL



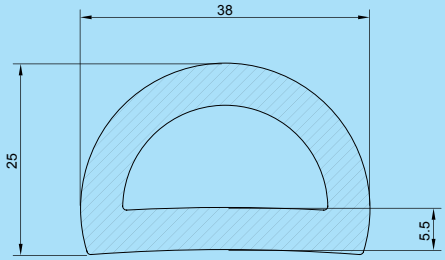
FIXING STRIP FOR RFD 95

RFD 96

EPDM

20 METRE COIL

BY THE METRE

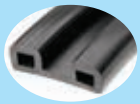


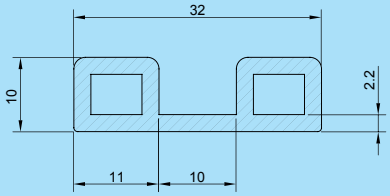
RFB 103

EPDM

20 METRE COIL

BY THE METRE



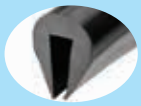


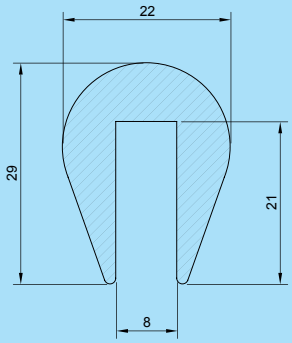
RFU 99

EPDM

25 METRE COIL

BY THE METRE



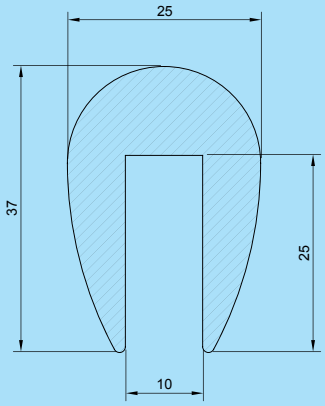


RFU 100

EPDM

25 METRE COIL

BY THE METRE

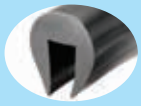


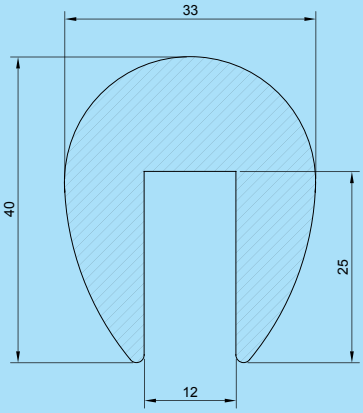
RFU 101

EPDM

20 METRE COIL

BY THE METRE





COIL LENGTH

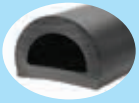
AVAILABLE BY THE METRE

PVC Fenders

The PVC used for these sections is most suitable for marine conditions.

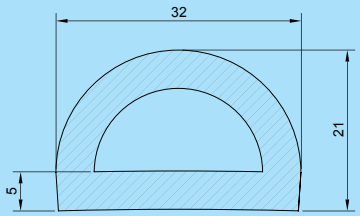
PVC

9 METRE COIL **PFD 566 (BLACK)**
PFD 569 (WHITE)



15 METRE COIL **PFD 567 (BLACK)**
PFD 570 (WHITE)

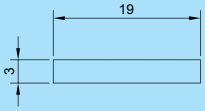
30 METRE COIL **PFD 568 (BLACK)**
PFD 571 (WHITE)



PFDS 572

PVC

3 METRE COIL

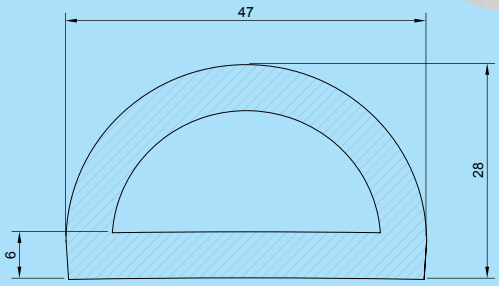


FIXING STRIP FOR PFD 566 - PFD 571

PVC

30 METRE COIL **PFD 362 (BLACK)**
PFD 364 (WHITE)

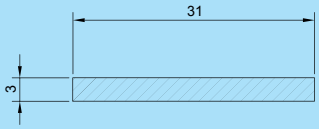
BY THE METRE



PFDS 592

PVC

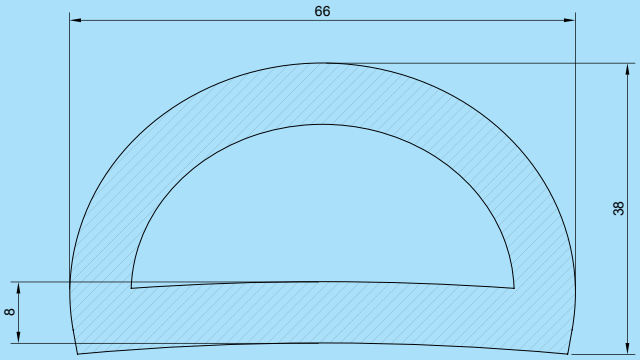
3 METRE COIL



FIXING STRIP FOR PFD 362 & PFD 364

PVC

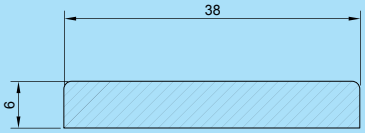
3 METRE COIL **PFD 573**



PFDS 575

PVC

4 METRE COIL



FIXING STRIP FOR PFD 573

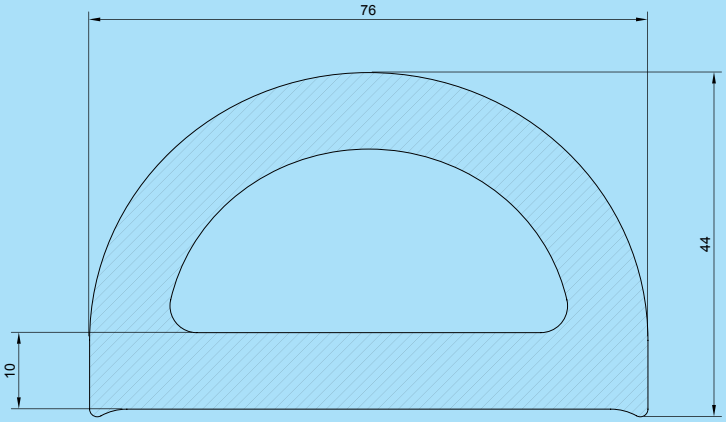
COIL LENGTH AVAILABLE BY THE METRE

PVC Fenders continued

PVC

3 METRE COIL

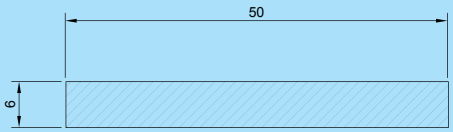
PFD 576 (BLACK)
PFD 577 (WHITE)



PFDS 578

PVC

4 METRE COIL



FIXING STRIP FOR PFD 576 & PFD 577

COIL LENGTH

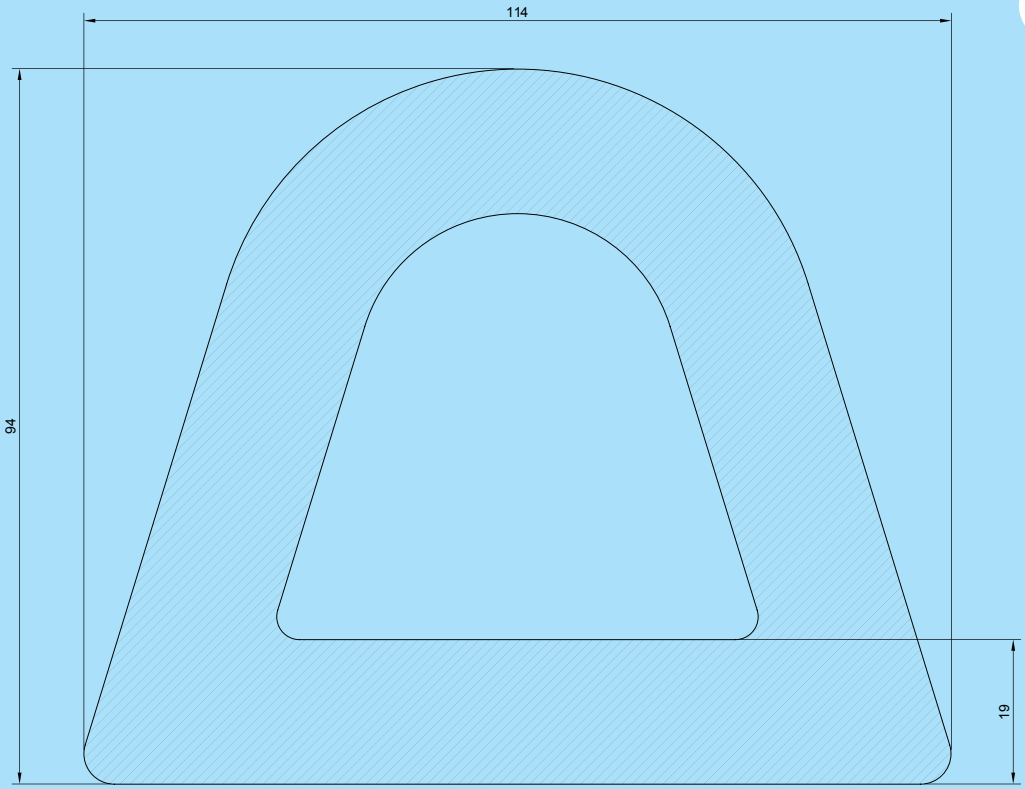
AVAILABLE BY THE METRE

PVC Fenders continued

PFD 579

EPDM

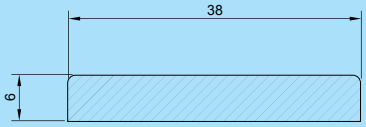
3 METRE COIL



PFDS 580

PVC

4 METRE COIL

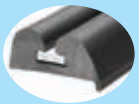


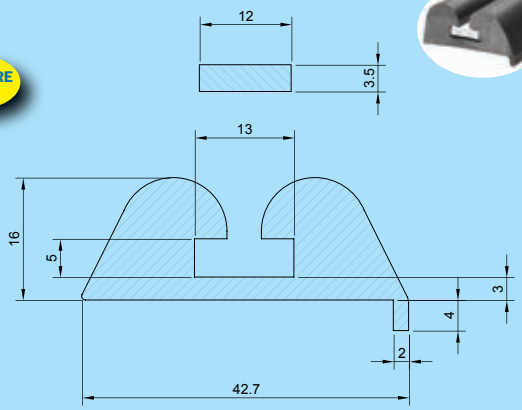
FIXING STRIP FOR PFD 579

PFB 169

PVC

15 METRE COIL





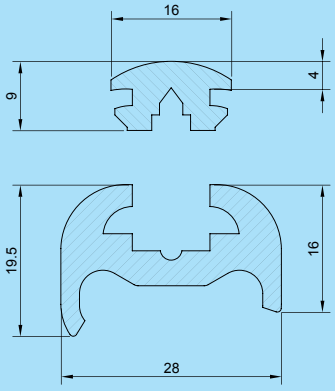
INCLUDES FIXING STRIP

PVC

9 METRE COIL **PFSR 3279**

15 METRE COIL **PFSR 3280**

30 METRE COIL **PFSR 3281**



COMPLETE WITH INSERT

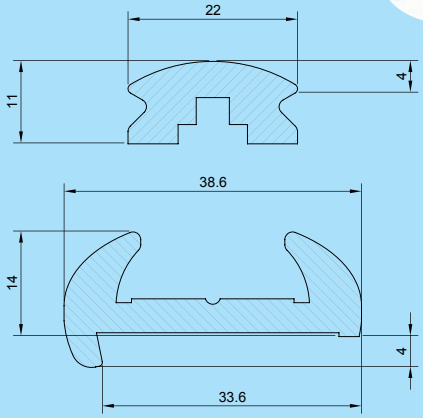
COIL LENGTH

AVAILABLE BY THE METRE

PVC Fenders continued

PFR 183

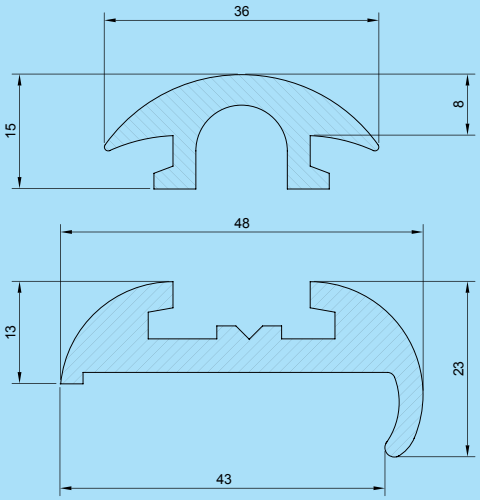
PVC



COMPLETE WITH INSERT
SUPPLIED AS A 3.65 METRE LENGTH

PFR 189

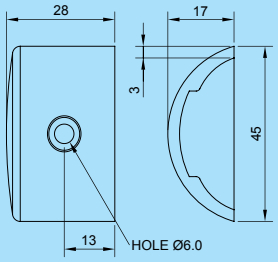
PVC



COMPLETE WITH INSERT
SUPPLIED AS A 3.65 METRE LENGTH

PFRE 187

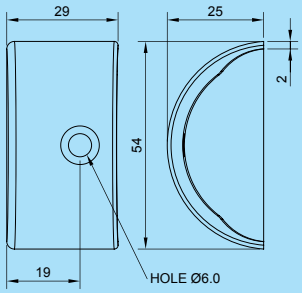
SS



SCALE: 1:2
END CAP FOR PFR 183

PFRE 191

PP



SCALE: 1:2
END CAP FOR PFR 189

COIL LENGTH
AVAILABLE BY THE METRE

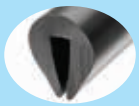
PVC Fenders continued

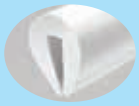
PVC

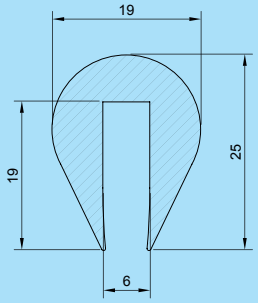
9 METRE COIL **PFU 550 (BLACK)**
PFU 553 (WHITE)

15 METRE COIL **PFU 551 (BLACK)**
PFU 554 (WHITE)

30 METRE COIL **PFU 552 (BLACK)**
PFU 555 (WHITE)



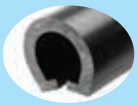


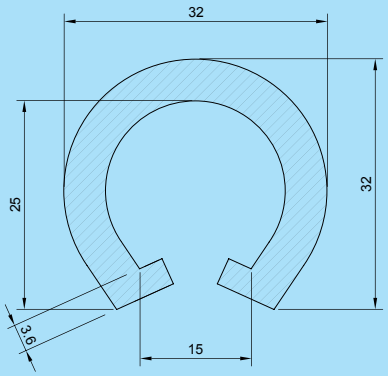


PFU 194

PVC

15 METRE COIL





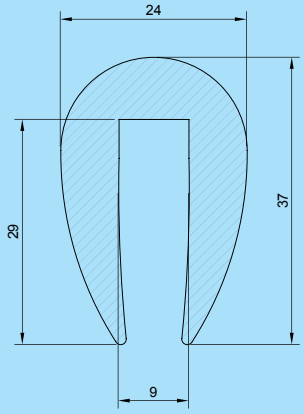
PVC

9 METRE COIL **PFU 557**

12 METRE COIL **PFU 558**

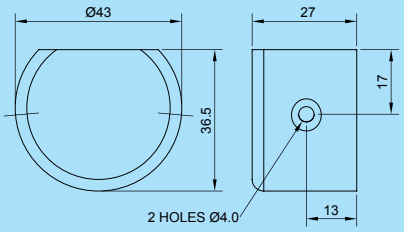
15 METRE COIL **PFU 559**

30 METRE COIL **PFU 560**



PFUE 195

PET



SCALE: 1:2
END CAP FOR PFU 194

COIL LENGTH AVAILABLE BY THE METRE

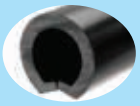
PVC Fenders continued

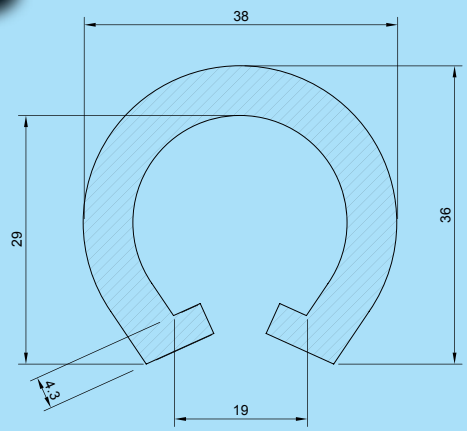
PVC

15 METRE COIL **PFU 217**

20 METRE COIL **PFU 218**

30 METRE COIL **PFU 219**



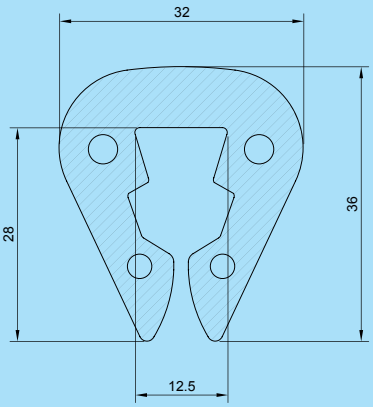


PVC

15 METRE COIL **PFU 211**

20 METRE COIL **PFU 212**

30 METRE COIL **PFU 213**

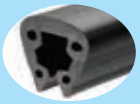


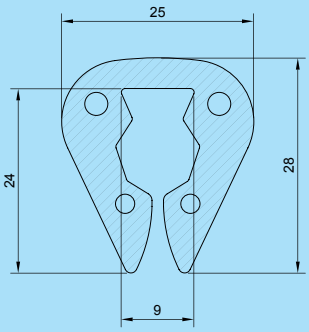
PVC

12 METRE COIL **PFU 206**

15 METRE COIL **PFU 207**

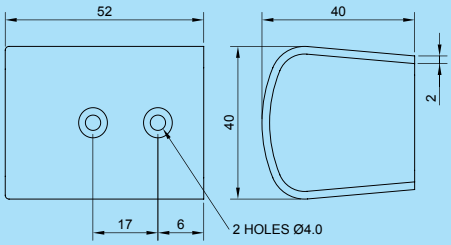
30 METRE COIL **PFU 208**





PFUE 214

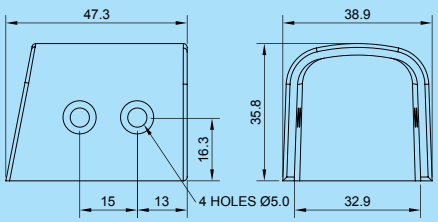
PET



SCALE: 1:2
END CAP FOR PFU 211 - 213

PFUE 209

SS



SCALE: 1:2
END CAP FOR PFU 206 - 208

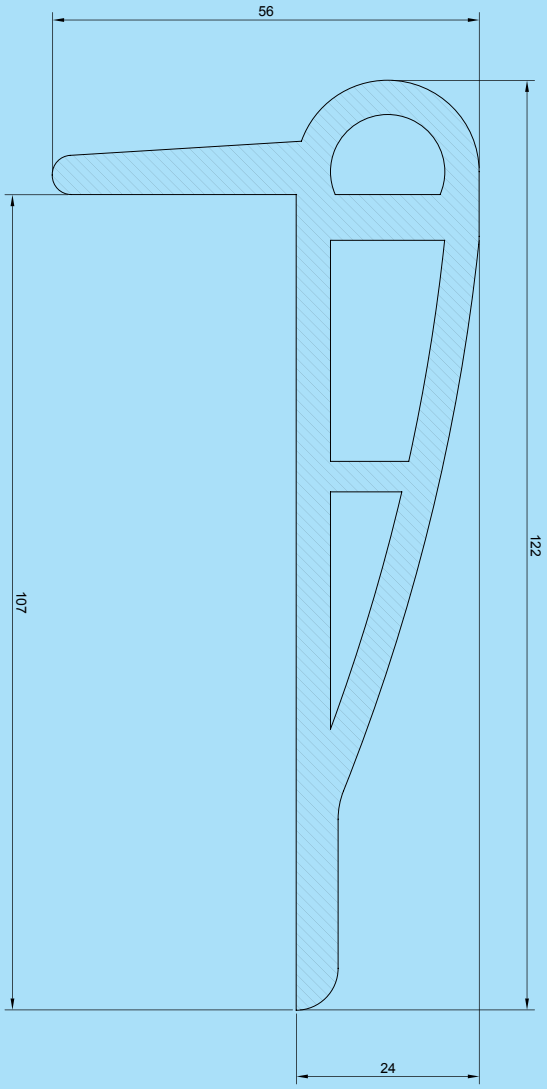
COIL LENGTH AVAILABLE BY THE METRE

PVC Fenders continued

PFP 285

PVC

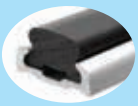
4 METRE COIL

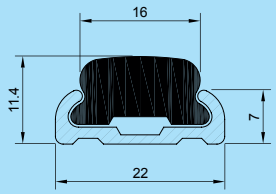


THIS IS A PONTOON FENDER USED TO PROTECT THE EDGE OF PONTOONS TO PREVENT DAMAGE FROM YOUR BOAT.
NOT TO BE USED AS A BOAT FENDER

Aluminium Profiles

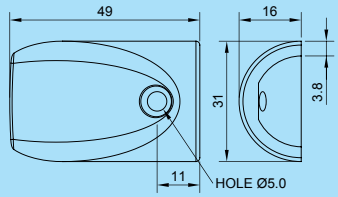
ALF 1015
ALU, PVC





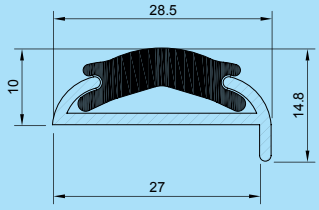
SUPPLIED AS A 3.65 METRE LENGTH

ALFE 1016
ALU



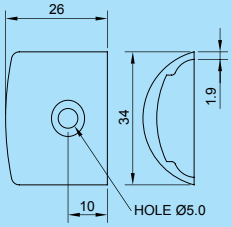
SCALE: 1:2
END CAP FOR ALF 1015

ALF 1017
ALU, PVC



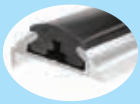
SUPPLIED AS A 3.65 METRE LENGTH

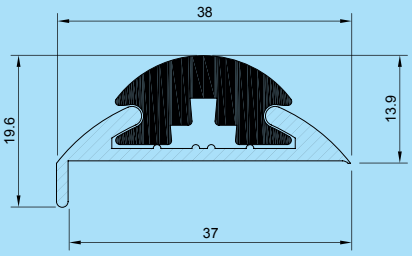
ALFE 1018
SS



SCALE: 1:2
END CAP FOR ALF 1017

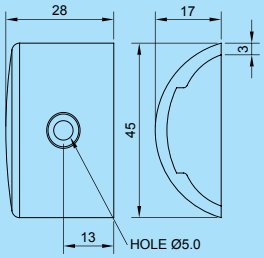
ALF 1019
ALU, PVC





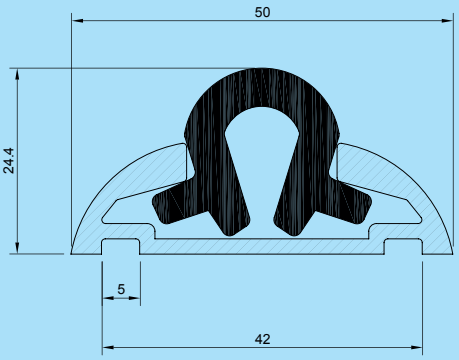
SUPPLIED AS A 3.65 METRE LENGTH

ALFE 1020
SS



SCALE: 1:2
END CAP FOR ALF 1019

ALF 1021
ALU, PVC



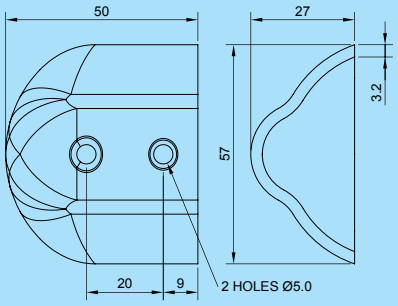
SUPPLIED AS A 3.65 METRE LENGTH

COIL LENGTH
AVAILABLE BY THE METRE

Aluminium Profiles continued

ALFE 1022

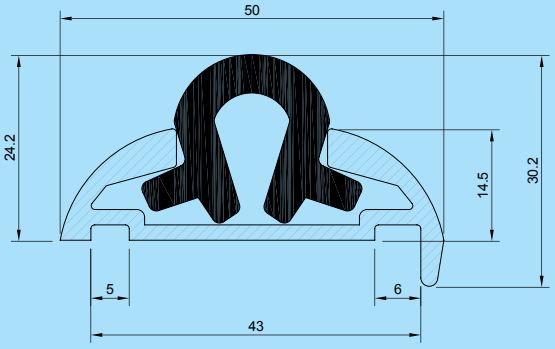
SS



SCALE: 1:2
END CAP FOR ALF 1021

ALF 1023

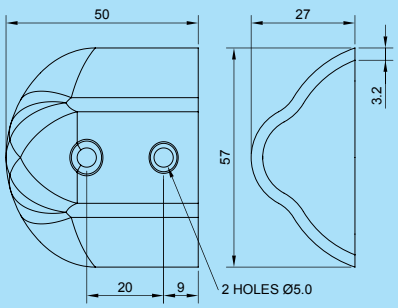
ALU, PVC



SUPPLIED AS A 3.65 METRE LENGTH

ALFE 1024

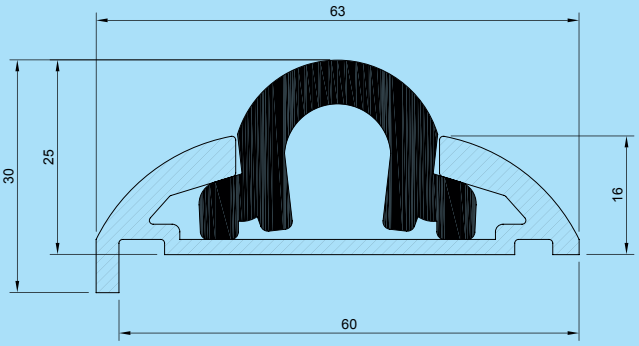
SS



SCALE: 1:2
END CAP FOR ALF 1023

ALF 1025

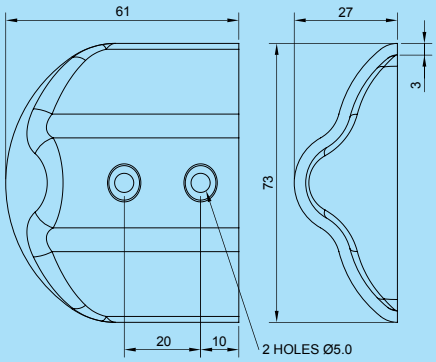
ALU, PVC



SUPPLIED AS A 3.65 METRE LENGTH

ALFE 1026

SS



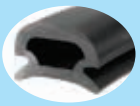
SCALE: 1:2
END CAP FOR ALF 1025

COIL LENGTH

AVAILABLE BY THE METRE

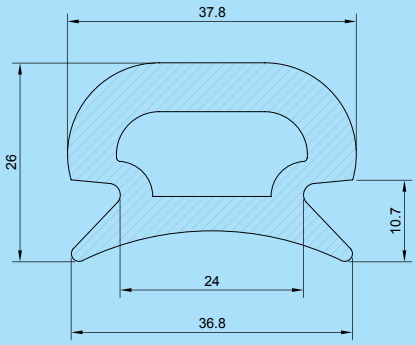
Replacement Inserts

PVC

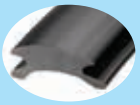


20 METRE COIL **RI 582**

30 METRE COIL **RI 583**

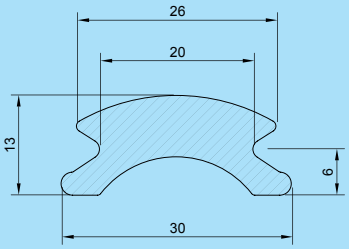


PVC



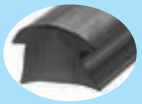
15 METRE COIL **RI 589**

30 METRE COIL **RI 590**



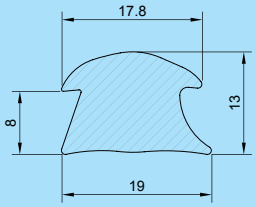
RI 1065

EPDM



25 METRE COIL

BY THE METRE



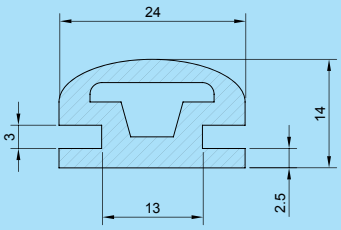
TO FIT PRINCESS BOAT

RI 1551

EPDM

25 METRE COIL

BY THE METRE



TO FIT FREEMAN & SEAMASTER BOAT

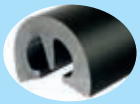
COIL LENGTH

AVAILABLE BY THE METRE

Easy Fit 'D' Fender

This is our new fendering system which offers simple installation, hidden fixings and high levels of performance.

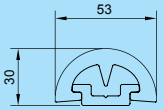
PVC



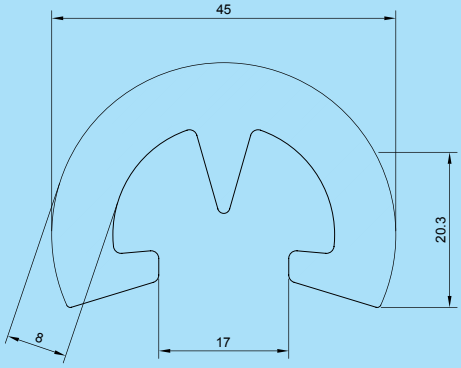
10 METRE COIL
PFDB 4041 (BLACK)
PFDB 4049 (WHITE)

20 METRE COIL
PFDB 4042 (BLACK)
PFDB 4050 (WHITE)

30 METRE COIL
PFDB 4043 (BLACK)
PFDB 4051 (WHITE)



FITTED VIEW ON TRACK
PFDBT 4046 (NTS)

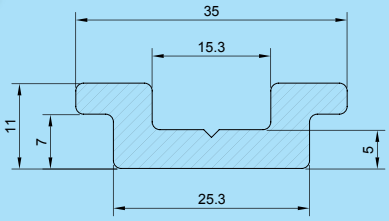


53MM BASE EASY FIT FENDER

PFDBT 4046

PVC

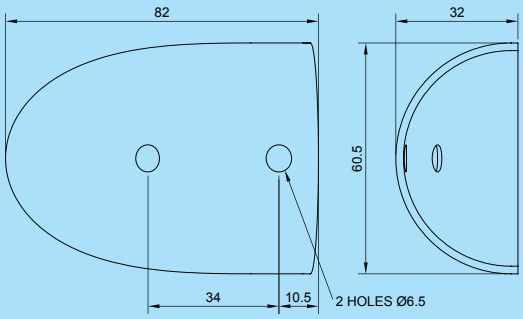
3 METRE COIL



TRACK FOR ALL EASY FIT FENDERS

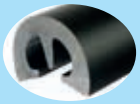
PFDBE 4047

SS



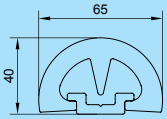
SCALE: 1:2
END CAP FOR 53MM BASE EASY FIT FENDER

PVC

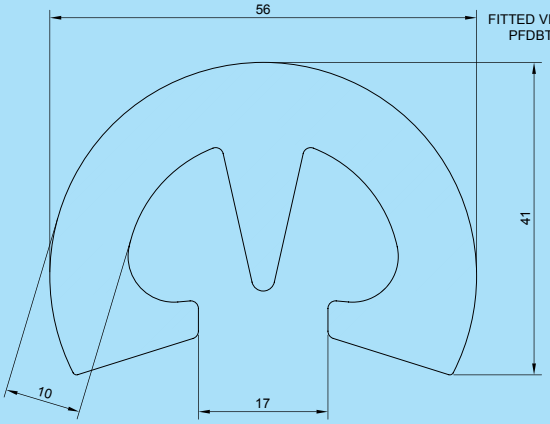


15 METRE COIL
PFDB 4044 (BLACK)
PFDB 4052 (WHITE)

25 METRE COIL
PFDB 4045 (BLACK)
PFDB 4053 (WHITE)



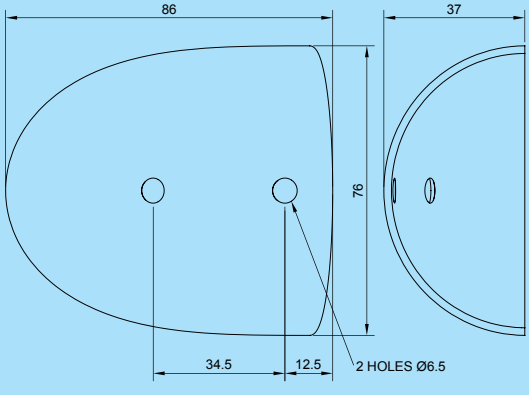
FITTED VIEW ON TRACK
PFDBT 4046 (NTS)



65MM BASE EASY FIT FENDER

PFDBE 4048

SS



SCALE: 1:2
END CAP FOR 65MM BASE EASY FIT FENDER

COIL LENGTH
AVAILABLE BY THE METRE

COIL LENGTH AVAILABLE BY THE METRE

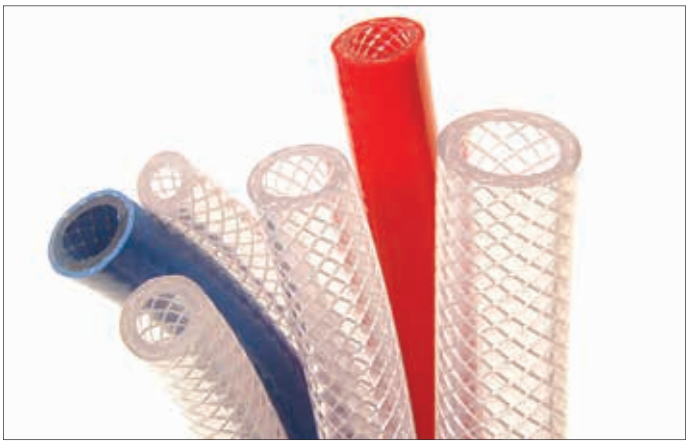
SEALS+DIRECT

Braided PVC hose
Unreinforced PVC hose
White sanitary hose
Light duty PVC suction delivery hose
Sterngland rubber tube
Marine diesel exhaust hose
ISO 7840 Fire resistant fuel hose
Stainless steel hose clips

Please also see the other sections in our catalogue as all of our seals and trims are universal and have many applications. They do not have to be used for their exact application as specified.

Braided PVC Hose

This food quality hose is suitable for use on drinking water systems. The red and blue colours make for easy identification on hot and cold water systems. It may also be used to form a protective covering over ropes and wires etc. Able to withstand pressures up to 200psi it may also be used as an airline hose.



ORDER CODE	COLOUR	ID MM	OD MM
NBH 104	CLEAR	6	12
NBH 105	CLEAR	10	16
NBH 106	CLEAR	12	19
NBH 107	RED	12	19
NBH 108	BLUE	12	19
NBH 109	CLEAR	19	26

PVC 30 METRE COIL BY THE METRE

Unreinforced PVC Hose

This food quality hose is suitable for use on drinking water systems. It can also be used as a protective covering to go over rope and wire.

ORDER CODE	COLOUR	ID MM	OD MM
H 110	CLEAR	6	9
H 111	CLEAR	9	12
H 112	CLEAR	13	19
H 113	CLEAR	19	25

PVC 30 METRE COIL BY THE METRE

White Sanitary Hose

This low odour permeable hose has been specially designed for use on marine toilets, where odour has previously been a problem.

ORDER CODE	COLOUR	ID MM	OD MM
SH 114	WHITE	19	25
SH 115	WHITE	25	32
SH 116	WHITE	38	45

PVC 30 METRE COIL BY THE METRE

COIL LENGTH AVAILABLE BY THE METRE

Light Duty PVC Suction Delivery Hose

This spirally reinforced PVC hose is suitable for bilge pumps, cockpit drains etc. It will withstand pressures up to 85psi.

ORDER CODE	COLOUR	ID MM	OD MM
SDH 117	BLACK	19	25
SDH 118	GREEN	19	25
SDH 119	BLACK	25	32
SDH 120	GREEN	25	32
SDH 121	BLACK	38	45
SDH 122	GREEN	38	45

PVC 30 METRE COIL BY THE METRE

Sterngland Rubber Tube

This heavily reinforced rubber tube is specially designed for use on sterngland fittings.

Sizes range from 1" to 4" going up in 1/8" increments. Because it is such a special tube, and is only ever used in small quantities it is sold by the inch.

Details and prices are available upon request.

Marine Diesel Exhaust Hose

This wet exhaust hose has Lloyds and RINA approval. (Certificate numbers Lloyds 99/00027(E1)APP and RINA DIP/4855/03/CS/E/1).

Its construction, using top quality materials gives it superiority in its application within engine compartments of fishing boats, workboats, pleasure craft, etc.

A very tight bend radius capability aids compact installations and using good quality clamps dispenses with the need to cuff the hose, thus avoiding damage to the hose end. It is also an ideal fuel hose and can be used with total confidence in marine generator applications.

ORDER CODE	ID MM	OD MM	MIN BEND RAD MM
MDE 593	20	30	60
MDE 594	25	35	75
MDE 595	32	42	96
MDE 596	35	45	105
MDE 597	38	48	114
MDE 598	40	50	120
MDE 599	45	55	135
MDE 600	51	61	153
MDE 601	57	67	171

NBR/CR BY THE METRE

COIL LENGTH AVAILABLE BY THE METRE

Marine Diesel Exhaust Hose continued

ORDER CODE	ID MM	OD MM	MIN BEND RAD MM
MDE 602	60	70	180
MDE 603	63	73	189
MDE 604	70	80	210
MDE 605	76	86	228
MDE 606	90	100	270

ORDER CODE	ID MM	OD MM	MIN BEND RAD MM
MDE 607	102	112	306
MDE 608	115	129	345
MDE 609	127	141	381
MDE 610	140	152	423
MDE 611	152	166	456

NBR/CR BY THE METRE

ISO 7840 Fire Resistant Fuel Hose

Under recent legislation all inland waterways boats have to be fitted with this ISO 7840 fire resistant fuel hose. It is fully CE marked. As of June 1998 all sea going vessels built to the Recreational Craft Directive 94/25/EC must now be fitted with this hose.

ORDER CODE	ID MM	OD MM
ISO 123	6	14
ISO 124	8	16
ISO 125	10	17
ISO 126	13	21
ISO 127	16	25
ISO 128	19	32
ISO 129	25	39
ISO 170	38	54
ISO 171	50	66

NBR/CR BY THE METRE

Stainless Steel Hose Clips

All clips are made from 18/8 marine quality stainless steel.

ORDER CODE	TO FIT HOSE OD SIZE MM
SSHC 130	9.5 - 12
SSHC 131	13 - 20
SSHC 132	18 - 25
SSHC 133	22 - 30
SSHC 134	32 - 45
SSHC 135	40 - 55

SS

COIL LENGTH AVAILABLE BY THE METRE

SEALS+DIRECT

Adhesives and sealants
Tools

Please also see the other sections in our catalogue as all of our seals and trims are universal and have many applications. They do not have to be used for their exact application as specified.

Adhesives and Sealants

Polyurethane and Silicone are suitable for sealing windows and making flexible joints. Thixofix is a good general purpose contact adhesive for rubber, wood, plastic, metal, etc. It has however only a moderate resistance to water. Where a fully waterproof joint is required we recommend our order code A 262.

For usage quantities please refer to page 119.

S 136
PU

BLACK POLYURETHANE (310ML)

S 137 (WHITE)
S 138 (CLEAR)
SIL

HIGH MODULUS SILICONE SEALANT (310ML)

S 3285
BUTYL

WHITE SEAMSEAL CV BUTYL NON SETTING BEDDING MASTIC (380ML)

A 3288
CYANO

SUPERGLUE - CYANOACRYLATE (20 GRAM BOTTLE)

SAT 3166 (12MM WIDE)
SAT 3167 (25MM WIDE)
AC/PET

ADHESIVE SCRIM TAPE 10 METRES LONG

	WIDTH MM	THK MM	LENGTH M
S 3286	12	2	22.5
S 4093	20	5	9.6
S 4094	25	1.5	30
S 3287	25	3	15
S 4095	40	2.5	19

BUTYL

NON SETTING BUTYL GLAZING TAPE

A 139

THIXOFIX CONTACT ADHESIVE (40CC TUBE)

COIL LENGTH AVAILABLE BY THE METRE

Adhesives and Sealants continued

A 262

WATERPROOF CONTACT ADHESIVE - 2 PART (1/4 LITRE TIN)

CW 3936

IPA CLEANING WIPES (PACK OF 5)

SS 4363

SILICONE LUBRICATING SPRAY (500ML)
FOR USE IN ANY APPLICATIONS

Tools

Various tools to aid in the preparation and fitting of our seals.

GT 75

TO FIT FS 72, FS 73 AND FS 74 FILLER STRIPS

GT 3243

TO BE USED WITH GT 75 FOR FS 1266 & FS 3077 FILLER STRIPS

COIL LENGTH

AVAILABLE BY THE METRE

Tools continued

Various tools to aid in the preparation and fitting of our seals.

CT 3455

IDEAL FOR CUTTING RUBBER AND PVC UP TO Ø40MM

VERN

150MM PLASTIC VERNIER IDEAL FOR TAKING MEASUREMENTS OF SEALS AND OTHER COMPONENTS

CST 4335

CARAVAN AND MOTORHOME DOUBLE GLAZED OPENING WINDOW COVER STRIP FITTING TOOL

COIL LENGTH

AVAILABLE BY THE METRE

SEALS+DIRECT

Rubber floor mats
Honeycomb mats
Ribbed matting
Anti-fatigue matting
Treadmaster (Diamond pattern) anti-slip deck covering
Noise insulation material

Please also see the other sections in our catalogue as all of our seals and trims are universal and have many applications. They do not have to be used for their exact application as specified.

Rubber Floor Mats

Suitable for heavy industrial areas, horse stables, dog kennels and runs, weight lifting areas, etc.

ORDER CODE

M 243

DESCRIPTION: Pimple/cobblestone top surface, grooved underside

SIZE: 1.828m x 1.22m x 17mm thick

NR/SBR

Honeycomb Mats

As the name suggests, they are of a honeycomb design, featuring approx 19mm diameter holes. They are ideal for waterlogged boat decks, as well as covering soft or muddy ground.

ORDER CODE

M 615

DESCRIPTION: Honeycomb design, 19mm diameter holes

SIZE: 1.5m x 1m x 23mm thick

NR/SBR

Ribbed Matting

An ideal general purpose matting for protecting floors.

ORDER CODE

M 620

DESCRIPTION: Ribbed top surface

SIZE: 10m x 1m x 3mm thick

M 621

DESCRIPTION: Ribbed top surface

SIZE: 10m x 1m x 6mm thick

NR/SBR

COIL LENGTH

AVAILABLE BY THE METRE

Anti-fatigue Matting

This soft PVC matting is designed for use by machines and work areas, where operators are standing for long periods of time.

ORDER CODE

M 622

DESCRIPTION: Soft PVC matting

SIZE: 18.3m x 0.91m x 9.5mm thick

PVC

MAY BE SUPPLIED IN ALL GREY OR WITH YELLOW SAFETY EDGING

Treadmaster (Diamond Pattern) Anti-Slip Deck Covering

This range of anti-slip deck coverings has been designed for maximum comfort and safety. It is manufactured from a controlled blend of polymers and cellular materials. Treadmaster is supplied as a durable, homogenous sheet, which is simply cut to the desired shape and bonded directly onto the deck surface using our order code TM 230 adhesive and without any special tools or processes. Our order code A 262 adhesive may be used as an alternative.

ORDER CODE	COLOUR
TM 224	WHITE SAND
TM 225	GREY
TM 226	LIGHT GREY
TM 227	FAWN
TM 228	BLUE
TM 229	LIGHT BLUE
NBR/PVC	
TM 230	ADHESIVE

SHEET SIZE 1.2 METRES X 0.9 METRES

COIL LENGTH

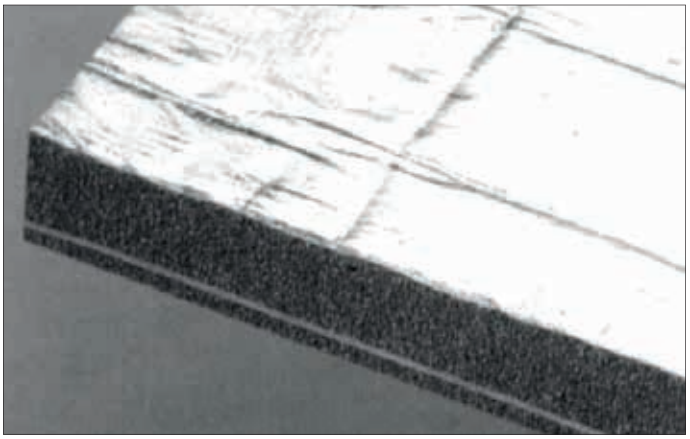
AVAILABLE BY THE METRE

Noise Insulation Material

This Class 'O' flexible material makes an ideal acoustic barrier where noise is a problem. Its construction comprises of an acoustic lead sheet sandwiched between two layers of fire resistant foam, with a bright class 'O' reinforced foil facing to one side. It is available in two weights, 5Kg and 10 Kg. It can be bonded in place with a good quality contact adhesive such as our order code A 262.

Fire rating
BS476 Part 6 index 1 10.3 sub index 15.3
BS476 Part 7 Class 1
Building regulations 1976 section E15:class 'O'

Acoustic performance



SOUND TRANSMISSION LOSS

	125	250	500	1K	2K	4K	Hz
5Kg	12	14	16	24	26	33	dB
10Kg	16	21	25	30	35	40	dB

ORDER CODE

NI 617
WEIGHT: 5 Kg
SIZE: 1.2m x 0.6m x 24mm thick

NI 618
WEIGHT: 10 Kg
SIZE: 1.2m x 0.6m x 25mm thick

PB

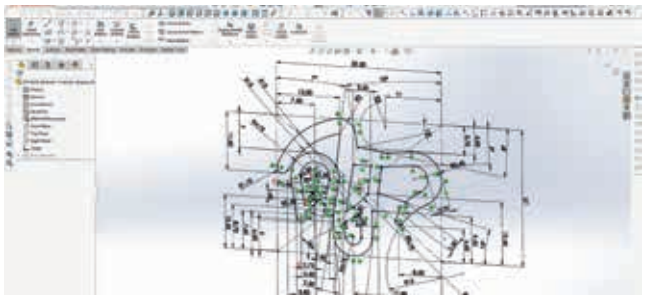
COIL LENGTH
AVAILABLE BY THE METRE

SEALS+DIRECT

BESPOKE PRODUCTS

Bespoke extrusions
Bespoke mouldings
Bespoke gaskets

If your sealing requirements cannot be met by one of our standard products, we are able to offer a custom design and manufacture solution. We have full 3D CAD facilities and 3D printers. This enables us to work with you on your custom design and also liaise with Design Engineers electronically. In addition to being able to print solid plastic components with a range of material specifications we are also able to print rubber parts (up to 100mm in length) in different grades which will enable you to test the seal out before committing to tooling.



We are also able to reverse engineer an existing seal from a sample. This can be useful where the manufacturer of the existing seal has either gone out of business or is unknown.

Our ability to work alongside our clients developing tailored, cost effective solutions has made us a leading name in Customised Profile Engineering for many years.

Bespoke extrusions

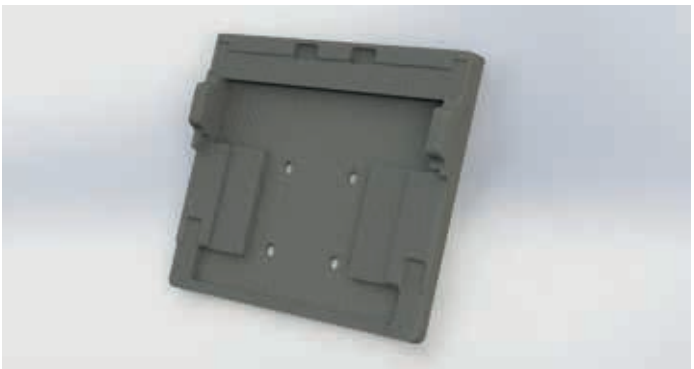
We are able to extrude rubber seals in a variety of materials such as EPDM, PVC, Nitrile, Neoprene & Silicone, to name but a few and in various hardness's. We can produce extrusion dies at a very cost effective price and with a quick turnaround. Minimum production runs can be as low as 30 metres depending on the material and construction.

Bespoke mouldings

Rubber mouldings can be produced by either compression or injection moulding. We are able to mould rubber seals in a variety of materials such as EPDM, PVC, Nitrile, Neoprene & Silicone, to name but a few and in various hardness's. Minimum production runs can be low as a one off up to thousands off.

Bespoke gaskets

We can manufacture gaskets either by stamping from sheet or machining from solid. We are able to manufacture them from a variety of materials such as Neoprene, Nitrile Polyethylene & Cork to name but a few and in various hardness's. Minimum production runs can be as low as a one off up to thousands off.



Involving us at an early stage of product development can offer significant advantages in product performance and costs further down the line. Our expertise in every aspect of rubber extrusion, moulding and gasket manufacture from tool design and material selection, through to prototyping and bulk production will improve the likelihood of your product being 'right first time'.

SEALS+DIRECT

Bend radius diagram definitions and conversion table
Hints and tips
Window seals
Replacing Claytonrite window seals
Adapting a Claytonrite window rubber
Measuring the gap for wedge seals
Refurbishing aluminium window frames
Replacing a Caravan and Motorhome opening window rubber
Locker and hatch seals
Fitting fenders
Installation instructions for watertight door and hatch seals
How to provide details of your seal
Using adhesives
Guide for dimension tolerances on drawings
How to measure a corner radius

Bend radius diagram definitions

The diagram below demonstrates in real terms what the bend radius diagrams mean that are located on the right-hand side of some drawings.

The figures indicate the minimum radius that the seal can be bent around whilst still allowing it to fit correctly and without affecting the sealing face.

Should you find that the bulb (sealing tube) compresses slightly when bending it you can fit a short piece of expanded neoprene cord inside the bulb at the corner to help this.

You can also use a short length of expanded neoprene cord to join the two ends of the bulb together.

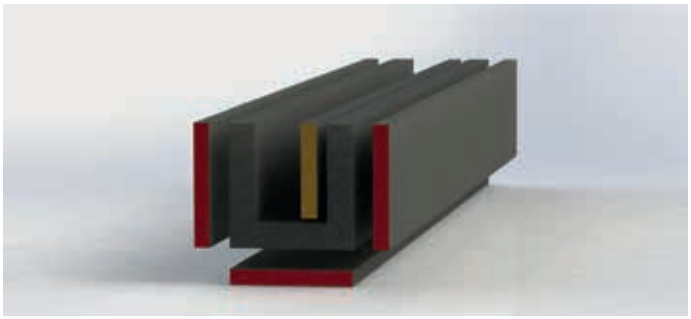
Conversion table

Below is a list of popular conversions between Metric and Imperial.

LENGTHS			
MILLIMETRES (mm)	**INCHES**	**MILLIMETRES (mm)**	**INCHES**
1.6	1/16	12.7	1/2
3.2	1/8	15.9	5/8
4.8	3/16	19.0	3/4
6.4	1/4	22.2	7/8
8.0	5/16	25.4	1
9.5	3/8	38.1	1.5
MISCELLANEOUS			
1 FOOT	0.3048 METRES	1 FOOT^2	0.0929 METRE^2
1 METRE	3.281 FEET	1 METRE^2	10.76 FOOT^2
1 YARD	0.9144 METRES	1 BAR	14.5 PSI

Hints and tips

If we are unable to supply a product that is exactly the size you require try adapting one of our existing products by using the following methods:

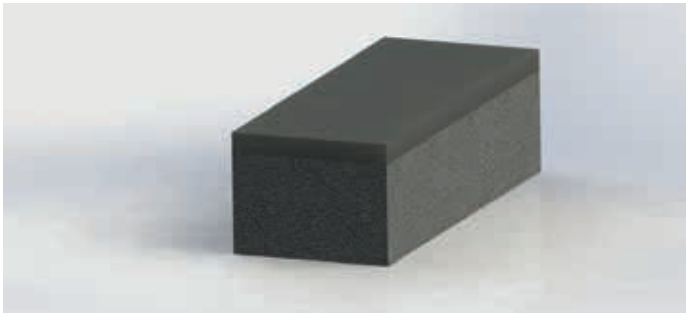


‘U’ Channels

Laminate solid neoprene strip (red ends) onto the sides and/or bottom of the channel to increase its overall dimensions or insert into the gap (yellow end) in the ‘U’ to decrease its internal dimensions.

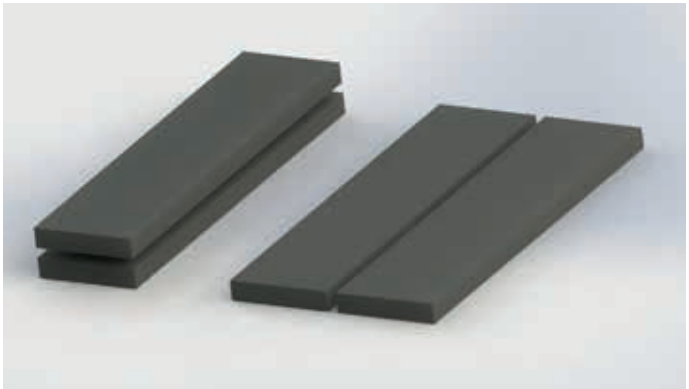
‘P’ or Tadpole sections

Laminate solid neoprene strip onto the base (red end) to increase its height or onto its flange (yellow end) to increase the length of the flange.



Hatchseals

To make a hatch seal that is soft enough to compress but has a hard wearing skin, try laminating solid neoprene onto expanded neoprene strip using contact adhesive our order code A 139 or A 262.

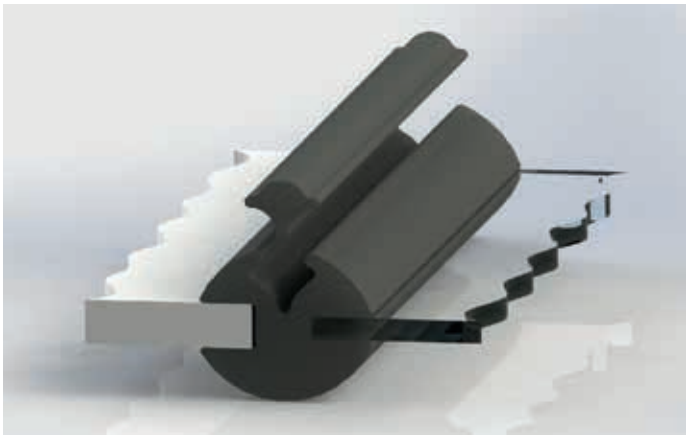


Expanded or Solid Neoprene

If the size that you require is not listed and we are unable to obtain it for you, try laminating two sections together.

Window Seals

Listed below are the most common types of seals used on boat windows. Obviously some boat manufacturers like to have a design peculiar to them (these are not necessarily shown below). We would be pleased to try and source rubber sections for you or come up with an alternative product that will be suitable for your application. Please either send us a sample or a sketch of the section giving dimensions and material type that you require.



Type 1

Claytonrite type window rubber. The cabin side and glass fit into slots in the rubber section, which are held in place by means of a filler strip.

Various sizes are available dependent on thickness of glass and panel.

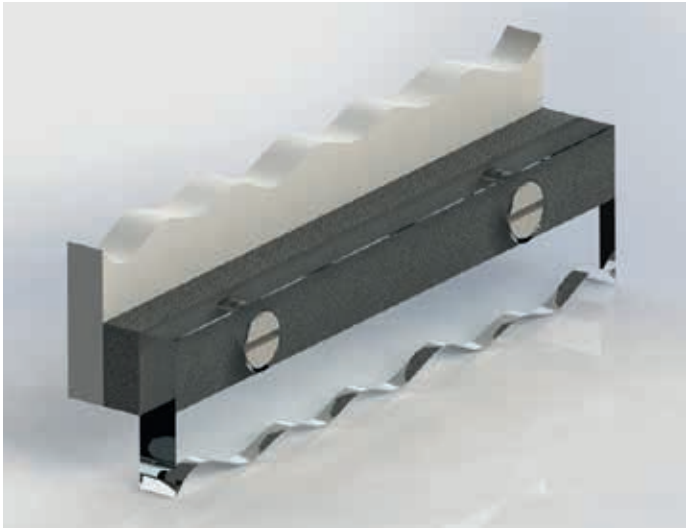
Refer to either our (link below) or see page 107 for fitting instructions.

https://www.youtube.com/watch?v=RuIRUaUrVFI

Type 2

The window is located in a rubber 'U' shaped channel inside of an aluminium channel, which is fixed to the boat.

It is advisable to bed the glass and rubber in with silicone our order code S 138.



Type 3

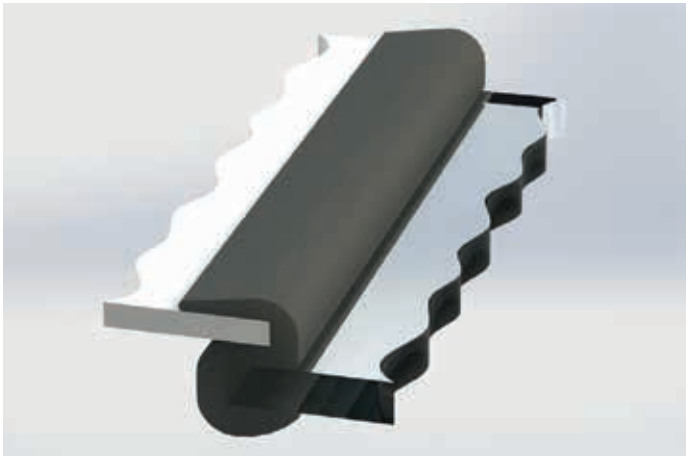
A rubber sealing strip is compressed between the cabin side and window.

The best material is either the plain or adhesive backed Expanded Neoprene. This can either be supplied in strip or sheet form.

It is always advisable to smear clear silicone onto the faces of the above material. This will take out any imperfections in the cabin side and also help to keep the gasket in place.

It is also advisable to make pilot holes in the seal for the screws. This will help prevent the seal from being damaged when the screws are being tightened.

Window Seals continued

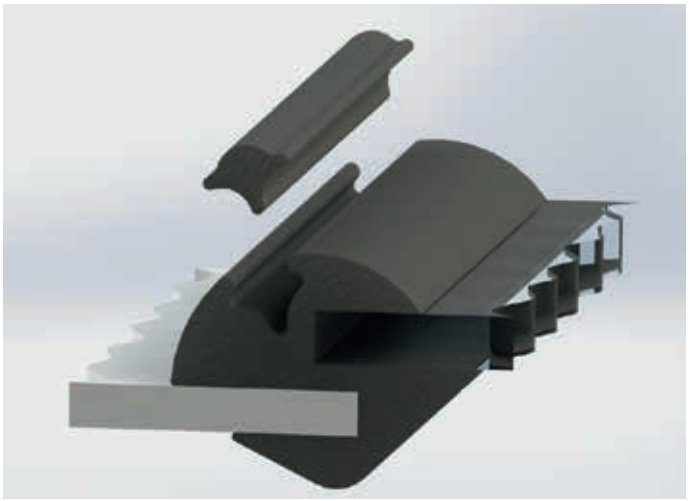


Type 4

'S' shaped window rubber. This seal is used for sealing small windows that overlap the panel.

There are 2 sizes available for varying thicknesses of panel and window.

This seal does not require a filler strip and is not suitable for larger windows.



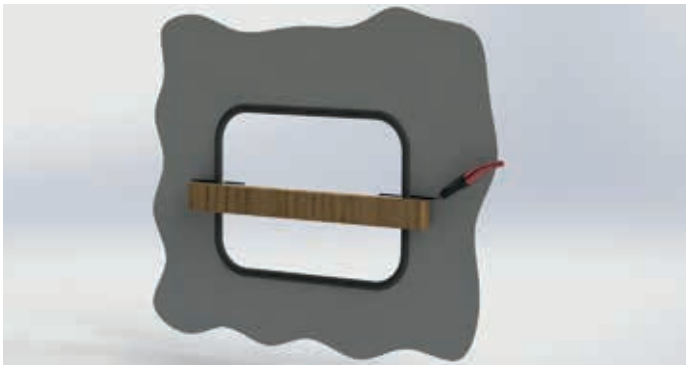
Type 5

'S' shaped window rubber with filler strip. This seal is used for sealing windows that overlap the panel.

There are 2 sizes available for varying thicknesses of panel and window.

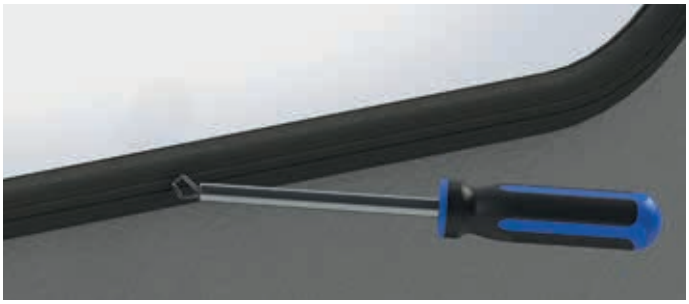
Replacing Claytonrite Window Rubber

This document explains the basics of removing your old window rubber. This will allow you to take some measurements to enable you to calculate the size of the seal to replace it. We then explain how to fit your new seal.



Removing old seal

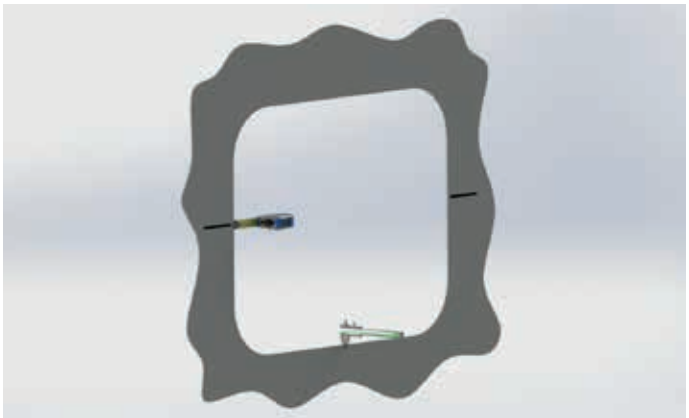
The first step is to take some measurements. You will need a length of wood which is longer than the width of your window. This should be held horizontally across the middle of your window and then using a marker pen put a line on the glass and the panel on each side as shown.

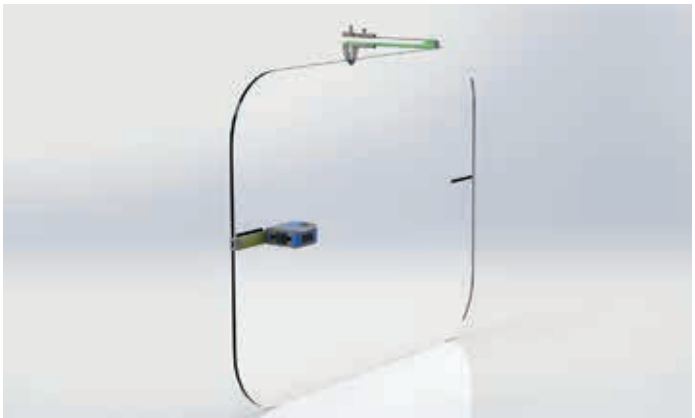


You now need to find the joint in the filler strip and using the glazing tool insert it in the joint and extract one end of the filler strip. Then grasp the end of the filler strip and pull it out all the way around the seal.

The next step is to remove your window. This can be done by inserting the glazing tool into the top middle face of the seal and pushing around the back of the window. The window can then be levered forward towards you and lifted away. The old seal can now be removed.

You can now measure the width of the window and the panel at the marker points on each side. You can also measure the thickness of the panel and the window. Refer to the images below:





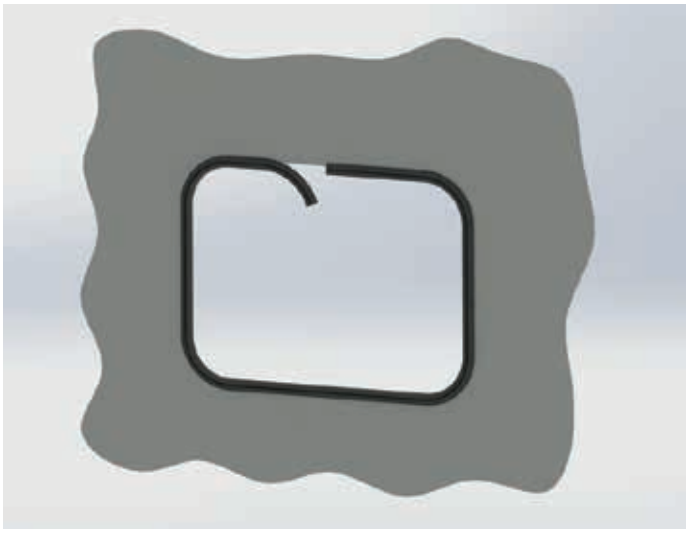
Replacing Claytonrite Window Rubber continued

The web thickness can now be calculated by subtracting the width of the panel (measured earlier) from the window width (measured earlier) and then dividing the result by 2. With this dimension and the panel and window thickness you can work out which is the correct Claytonrite window rubber for you by checking against the details in the Window Rubbers (Claytonrite) section. You will need to measure the length you require, however ensure that you order slightly more than you measured.

Fitting seal and window

After purchasing the correct window rubber and filler strip you are now in a position to start the fitting procedure as detailed below:

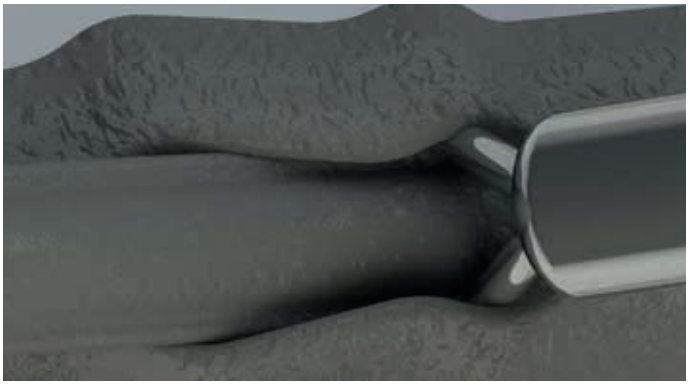
If you are fitting more than one window then cut your seal to length ensuring that it is slightly longer than you need.



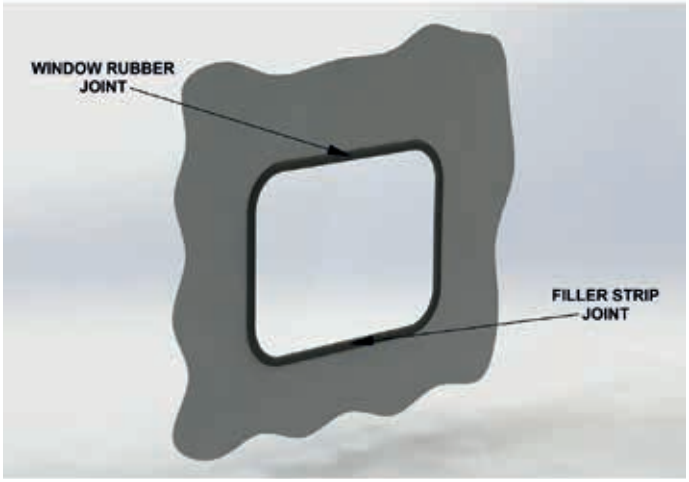
The first thing to do is start fitting the window rubber to the panel. Ensure you choose the correct orientation if your panel thickness is different from your window thickness and the filler strip groove should be on the outside. Start at the middle of the top of the window aperture and work your way around pushing it tight against the panel edge especially in the corners. When you have reached the start then cut it to length ensuring it is slightly longer so that when you push finally into place it is a very tight fit. Refer to the diagram.

Next pour a small amount of diluted washing up liquid in the glass groove of the window rubber to make it easier to fit. Now take the glass and insert it into the bottom groove of the window rubber. Using the glazing tool you can lever the glass into the window rubber groove all the way around.

Replacing Claytonrite Window Rubber continued



It is now time to fit the filler strip. Before doing this pour a small amount of diluted washing up liquid in the channel that it is to be fitted. Starting at the middle of the bottom, insert the glazing tool into the groove and place the filler strip into the loop of the tool. Run the tool around the groove following the length of filler strip. This should now be placing the filler strip into the groove.



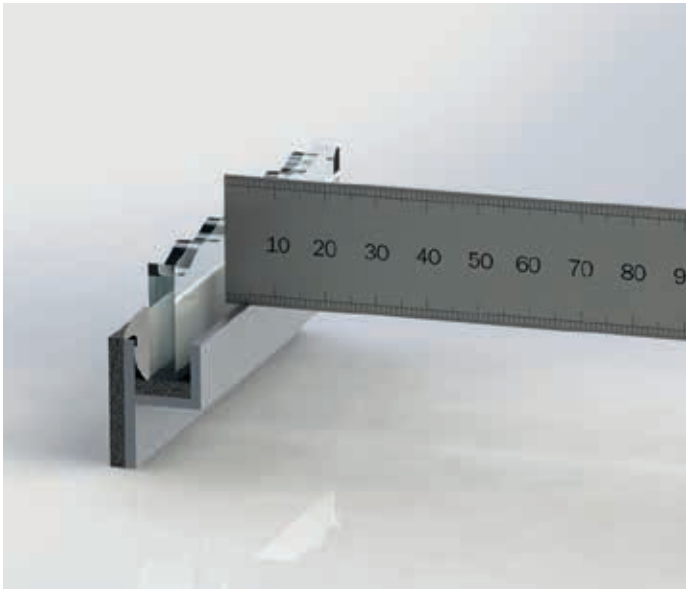
Once you have fitted the filler strip all the way around, trim off any excess making sure that it is slightly longer and then push the final end in.

Adapting a Claytonrite Window Rubber for different thicknesses

If we don't have the correct Claytonrite window rubber for your application a standard version can be adapted by fitting a piece of rubber inside one of the gaps to take up the difference. This can then be carefully cut down as shown in the diagram:

Measuring the gap for Wedge Seals

The diagram below shows the method for measuring the gap between your window frame and your window so that you can determine which wedge seal is the correct one for your application.



The diagram opposite shows a typical window installation however there are various types but the principle is the same for which ever installation you have.

Refurbishing Aluminium window frames

Fixed windows

Over a period of time the rubber seals in window frames tend to deteriorate and start to let in water. The only option is to replace them with a new seal. Temporary repairs can be made using a silicone sealant, but these don't last very long.

The following procedures should be followed:

Remove all the fixing screws from the frame. This is normally a two person job, as you need one at either end of the fixing screws.

Carefully remove the window frame from the aperture making sure that you do not apply pressure to the frame and bend it. If the frame has been bonded in place with mastic, use a flat bladed scraper and ease it around the joint until the old mastic gives way.

The first thing to do is to clean up the old frame and rid it of all the old sealant. Avoid using sharp scrapers as these can damage the aluminium.

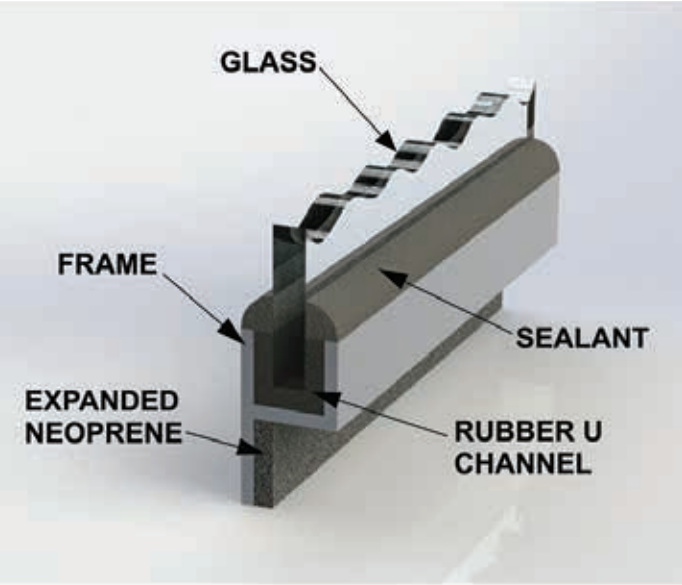
The frame is normally made up from sections. At each joint remove the screws that hold the joining strip in place. Carefully tap a thin flat scraper blade, or similar into the joint, taking care not to damage the frame. Repeat this on each joint gradually opening up the frame until it is separated. Remove the seal and window.

Due to the marine environment it is advisable to soak all items in a bath of fresh water for a couple of hours. This will help loosen and dissolve any residue salt deposits. After the parts are dry more cleaning may be required on the frame.

The next job is to check the condition of the window and seal. Most windows nowadays are made from Perspex. This is an excellent material but does deteriorate over a long period of time. If you wish to replace it, draw around it onto brown paper and send it to us for a quotation. It is a false economy to use an old seal and it is always advisable to replace it. To determine the correct size of seal you require, three main dimensions are needed.

1. Glass / Perspex thickness
2. Internal width of aluminium channel
3. Internal depth of aluminium channel

To match your required rubber 'U' channel to the available sizes firstly measure the glass/Perspex, then check the table of available sections to suit this in our catalogue or on our website. Next check the 'U' channel's wall thickness and add twice this to the glass/Perspex size. This will give you the overall rubber width to ensure that it fits into your aluminium channel. Be aware that the 70°sh EPDM rubber 'U' channel will not compress significantly. If you are unable to locate the exact size in our catalogue, you can either modify one of our existing seals, or contact us with your requirements and we will try and source it for you. Many seals used in old windows are no longer available and modern day equivalents have to be used.



Rubber 'U' channel

Cut the new seal to length (slightly oversize to prevent it shrinking back over time) and do a dry fit assembly to ensure that everything fits together OK. Dismantle and then apply a small bead of marine grade high modulus silicone sealant inside the rubber. Place the seal around the glass / Perspex. Now apply a small bead of silicone sealant into the bottom of the aluminium frame. Carefully place the window and seal into the frame and pull all bits together until they are in the correct position. (You may require the use of clamps to pull the frame together). Now replace the screws into the joining strips.

To ensure that you have a watertight window it is advisable to apply a fillet of silicone around the top edge of the seal and frame. Mask off the frame and the window leaving about a 6mm gap. Apply the silicone and then smooth it off using a blunt instrument or wet finger. Carefully remove the masking tape whilst the silicone is wet.

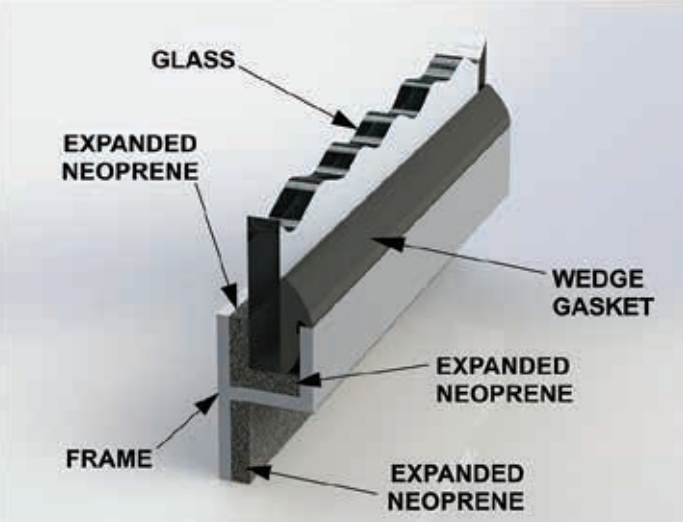
Refurbishing Aluminium window frames continued

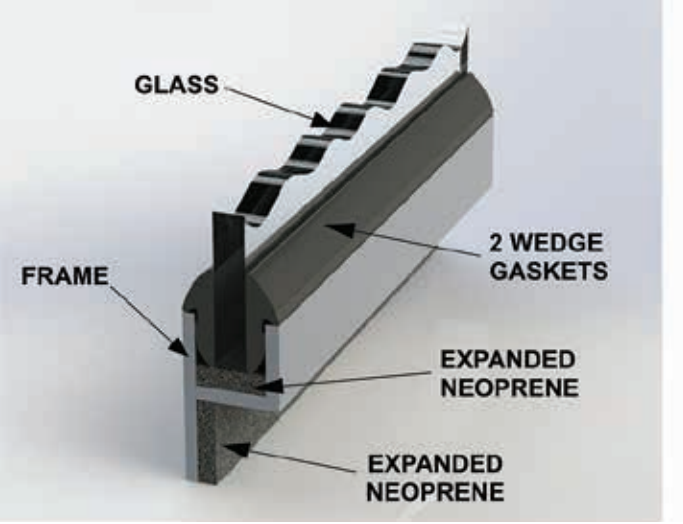
Using Wedge Seals and Gaskets

At the bottom of the aluminium channel run a strip of expanded neoprene so that the glass/Perspex has a soft cushion to sit on. Apply a small bead of silicone sealant onto the face of the expanded neoprene and assemble the frame around the glass / Perspex ensuring that it is sitting centrally. Depending on the size of the frame you can either have a wedge gasket on one side with expanded neoprene on the other, or a wedge gasket on both sides.

If using the expanded neoprene a 30% compression should be allowed for. i.e. The glass / Perspex + the neoprene + the wedge seal total should be 30% bigger than the internal channel width.

When refitting the completed window into the boat you will require a seal to go between the frame and the cabin side. The best material to use is a closed cell expanded neoprene, about 3mm thick and slightly wider than the flange. (This can be trimmed off when the window is fully fitted). Apply this to the frame and pre drill the bolt holes. Just before fitting the window to the boat smear a small amount of silicone sealant onto the top face of the seal. This will accommodate any minor imperfections and stop any leaks. Fit the screws and tighten up to achieve a 30% compression on the seal. Carefully trim the expanded neoprene around the edge of the frame using a sharp knife, and wipe away any excess sealant.



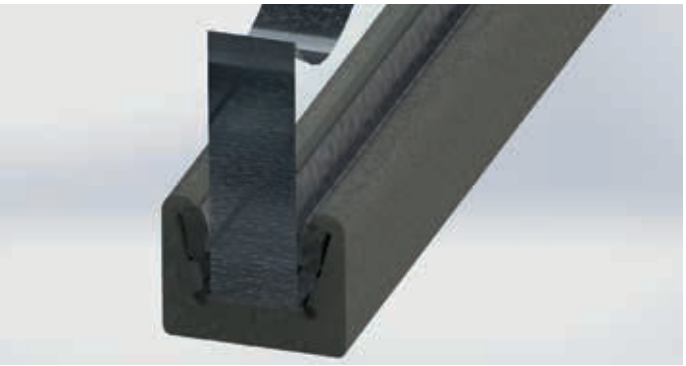


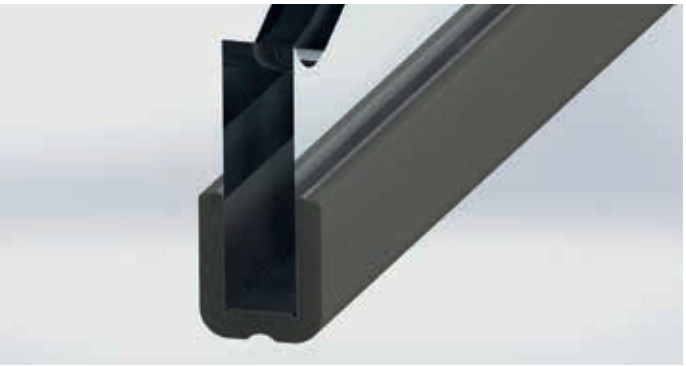
Sliding windows

Over a period of time the seals in sliding windows tend to wear and deteriorate. Old windows used to use either a felt or webbing material, but these have now been replaced with a flock (velvet) covered rubber. There are two main types: a preformed 'U' shape, or a flat strip that bends to fit inside a channel.

Dismantle and clean the windows as above. Measure your frame and glass / Perspex to determine the correct size of seal. You may have to modify one of the seals to fit the channel correctly. (For example put a strip of neoprene under it or to one side to increase its height or width).

The key dimensions are the width of the glass / Perspex and the internal width of the channel.





Replacing a Caravan and Motorhome opening Window Rubber

Determining the size of rubber required

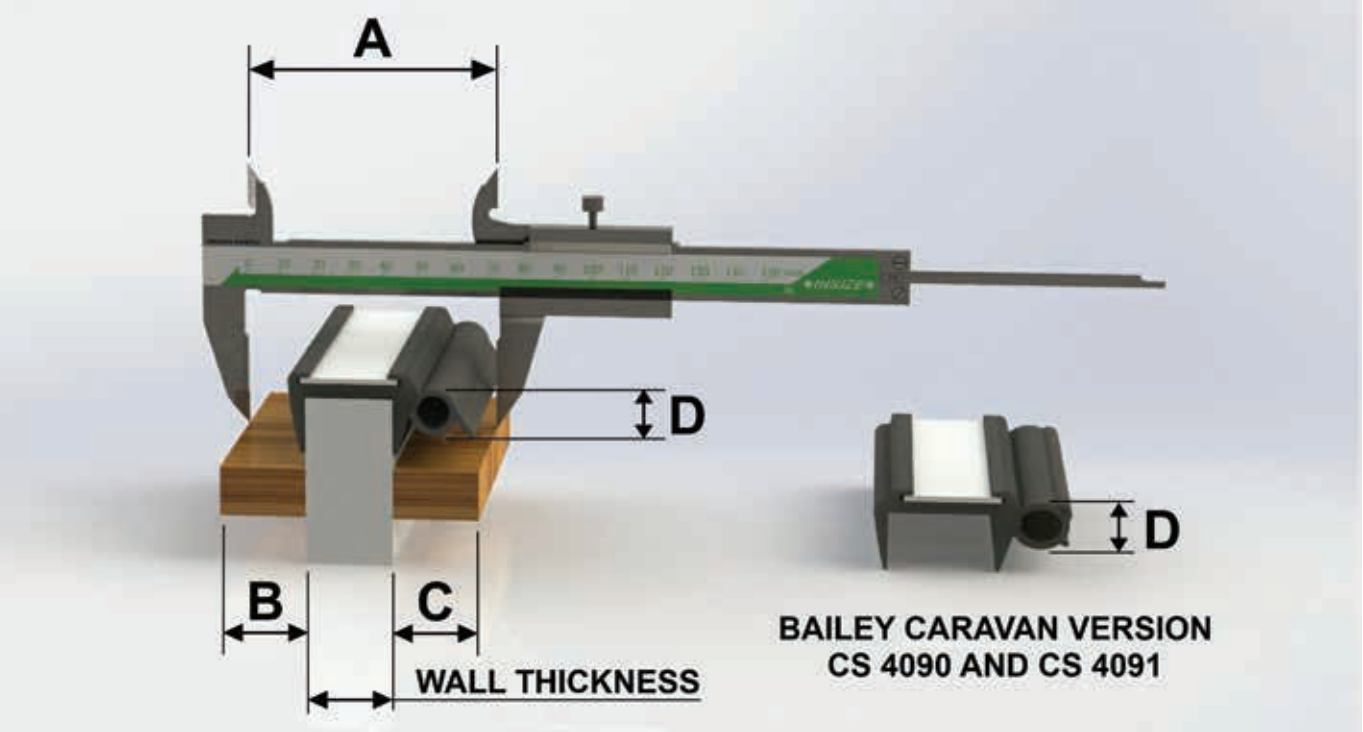
To determine the correct seal for your caravan or motorhome, you will first have to take a couple of measurements.

The panel (wall) thickness of the van which will either be 25mm, 27mm, 30mm, 35mm or 40mm and the diameter of the sealing bulb.

An easy way to measure the wall is as follows:

Take two pieces of wood of known thickness. Put one on the outside of the van just under the seal and the other on the inside of the van just under the seal. Take a measurement from the outside of one piece of wood to the outside of the other piece of wood. Subtract the thickness of the two pieces of wood from the overall measurement and this will give you the wall thickness of the van.

For example and referring to the diagram below the overall measurement A is 77mm. The wood thickness B is 25mm and thickness C is 25mm. Therefore the wall thickness is A minus B minus C = 27mm.



Removing your old rubber and preparing for fitting new rubber

The first job to do is to open the window. Make a careful note of how the small hinge for the window stay is fitted and which way up etc. Take a screwdriver and undo the fixings for the two window props on the caravan so that they hang loose. The window can either be removed or propped up out of the way.

Noting the way the fittings go, remove them and keep them safe with their screws. Locate the end of the white/grey plastic strip and pull out. Next remove all of the staples holding the rubber to the wall of the caravan. Find the end of the rubber and carefully pull the seal away from the caravan.

Go around the window opening with a chisel or a flat bladed screwdriver and scrape away all of the sealant that is left. It will probably look like putty but not sticky. Be careful when removing it from the outside metal/plastic panelling of the caravan; just remove as much as you can, then use white spirit to remove the remainder. Meths or Acetone should then be used to clean off the oil film left by the white spirit.

Fitting the new rubber

The new rubber comes complete with the butyl mastic already applied inside it. Carefully push the rubber onto the wall of the caravan. Trim the rubber to the correct length ensuring that the ends are fitted tightly together. Staple the seal in place.

Fitting the plastic cover strip

Now fit the grey or white plastic cover strip into the top of the window rubber. The easiest way to do this is to use our cover strip fitting tool (order code CST 4335) with silicone spray (order code SS 4363) as a lubricant. Please refer to the fitting instructions below:

- Lubricate the inside of the window rubber cover strip channel with silicone spray
- Insert the tool into the channel ensuring that the two legs at the back of the tool are securely inside the channel lips
- Insert the grey or white cover strip through the centre of the tool and push the end back into the rubber under the lips
- Gently move the tool forward to lay the cover strip into the rubber
- Continue all the way around the window finally overlapping the end part of the strip over the beginning part of the strip

Please refer to our YouTube video below for more detailed fitting information:-

https://www.youtube.com/watch?v=5kthfMx2IFA

Final assembly

Next refit all the window fittings and stays.

Locker and Hatch seals

Listed are four alternative designs, which in the majority of cases provide watertight seals. Please bear in mind the following factors when choosing the design which best suits your application:

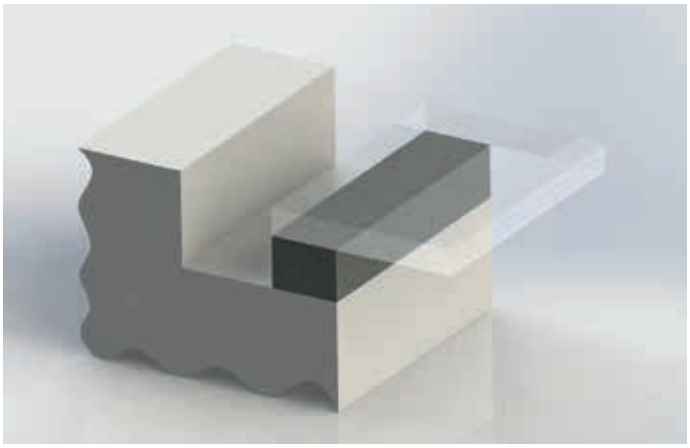
A. Trueness of hatch to aperture and deck.

B. Sealing surface e.g. Knife edge or flat.

C. Size of seal which is usually stipulated by size of gap. (The seal can often be modified or tapered to allow for any inconsistency in the gap).

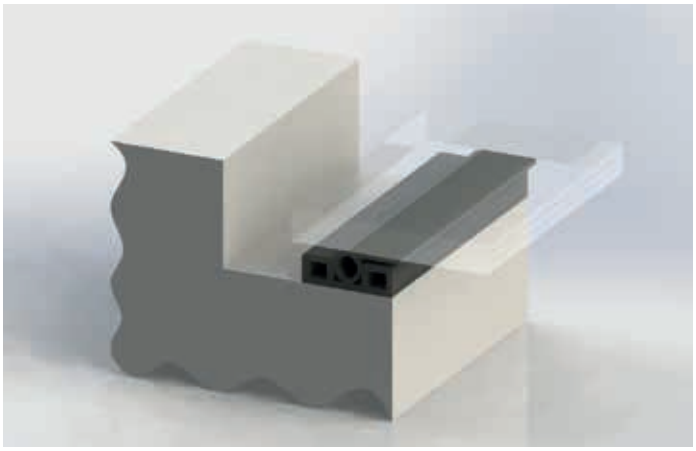
D. Seal should compress by approximately 30% to provide a watertight seal. (This also helps prevent the seal from being over compressed and damaged).

E. The weight of the hatch and the number of fixings holding down the hatch. (The heavier it is, or the greater the number of fixings there are, then the larger the seal can be).



Type 1

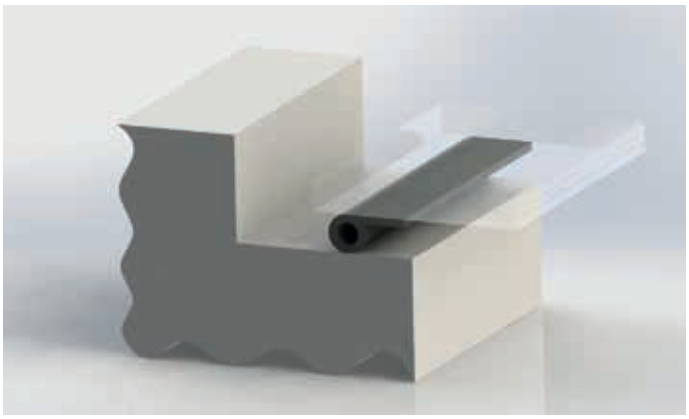
Expanded neoprene (closed cell i.e. does not absorb or transmit water).



Type 2

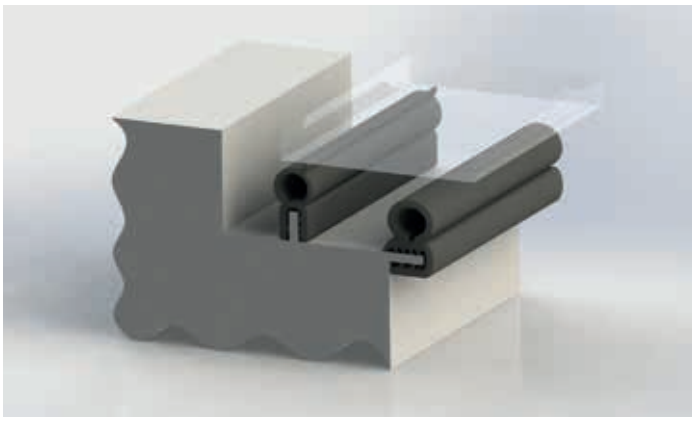
'P' Section, order code P 42

'B' Section, order code RFB 103



Type 3

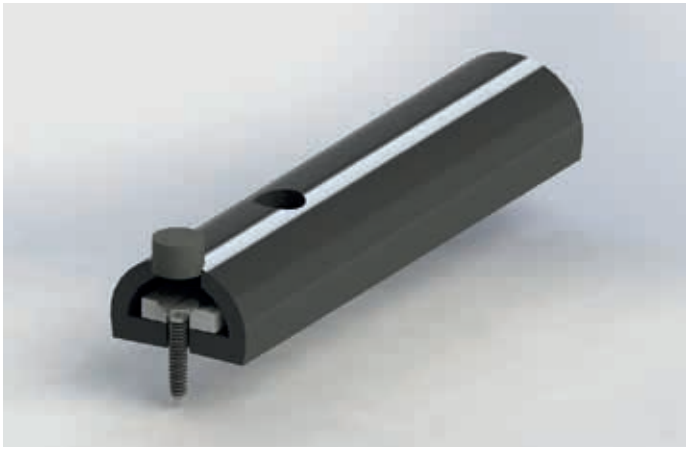
'P' Section or "tadpole" section.



Type 4

Clip on edge trim side or top seal.
The seal can also be fitted onto the hatch or locker lid.

Fitting Fenders



‘D’ Fenders

Feed the fixing bar through the centre of the ‘D’.

Line up the fender with the side of the boat and with a lubricated drill bit, drill through the top face of the ‘D’, fixing strip and gunnel.

Using self-tapping screws or bolts fasten the fender to the boat. Repeat every 150 – 200mm.

To plug the drill holes, cut enough plugging cord to touch the screw / bolt heads and secure in place with a polyurethane adhesive. Once the adhesive has set, trim the plug so that it is flush with the top of the fender.

‘U’ Fenders

This type of fender normally locates on to a flange protruding from the side of the boat.

If you have a PVC fender it is recommended that you soften it first in boiling water.

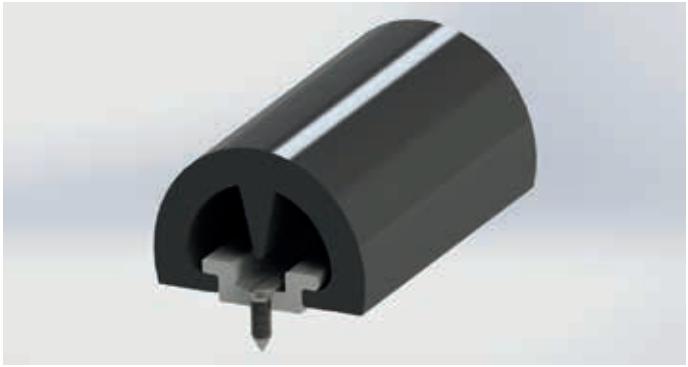
Fasten the end of the fender at the transom by using self-tapping screws or rivets through the underneath of the profile and into the flange.

Rigid PVC Fenders and Aluminium Fenders

This fender is normally supplied in lengths approximately 3.65 metres long.

With the end approximately 1.8 metres from the bow, line up the fender with the gunnel. Drill and secure with self-tapping screws or rivets every 225 – 300mm.

Pull the fender around the bow fastening as you go. Butt up the next length and fasten in the same manner. For tight bends it is advisable to put some wire in the corners of the internal grooves to prevent the fender collapsing and hindering the fitting of the insert.



Easy fit ‘D’ Fenders

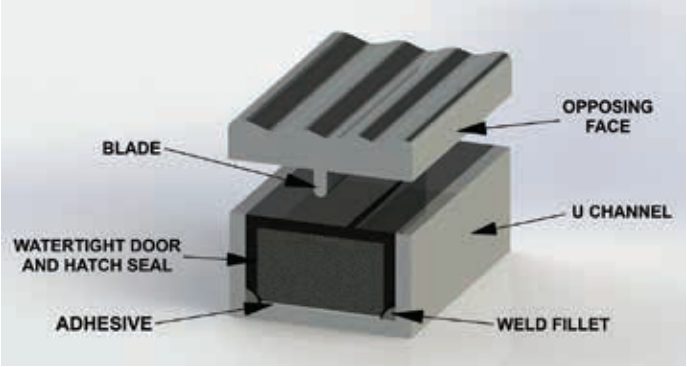
This fender is designed for simple installation with all the fixings hidden but still offers a high level of performance.

Firstly drill holes through the track and secure it against the side of the boat with self-tapping screws.

Locate one edge of the fender over one ledge of the track and then stretch the other edge of the fender over the other ledge of the track.

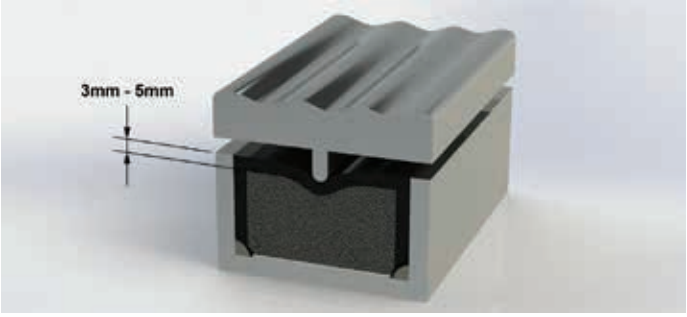
Installation instructions for Watertight Door and Hatch Seals

This document details a typical installation for watertight door and hatch seals. These seals are very robust and therefore designed for large heavy doors and hatches.



Door open

The 'U' channel with seal can either be fitted to the door / hatch or the surrounding frame. The 'U' channel is typically manufactured by welding sheets of metal together to form the 'U'. As you will see the corners of the seal may contain chamfers (depending on size) to allow for the weld fillets.
The seal should be bonded into the 'U' channel with a suitable adhesive such as our order codes S 136 or A 262. Take care if using a contact adhesive such as our order code A 262 that you only apply the adhesive in the bottom of the 'U' channel as shown in the diagram opposite.



Door closed

The opposing face should be fitted with a round ended blade which will insert into the seal as the door / hatch closes. Typical compression of the seal should be between 3mm and 5mm although this can be varied by experimentation should the need arise. Take care not to over compress the seal as this will damage it.

How to provide details of your seal

If you need help with identifying a seal in our range that meets your requirements then the easiest way for us to help you is to either send us a sample in the post or email us a photograph of the end profile of your seal. Below are our requirements to enable us to easily identify your seal:

Send us a sample in the post

Please cut off a small slither from your existing seal. The sample needs to allow us to look at the end profile clearly. Also include material type and hardness.

Please note when sending it through the post to take your package to the Post Office counter to ensure the package has the correct amount of postage as many samples are either delayed or do not arrive at all due to incorrect postage.

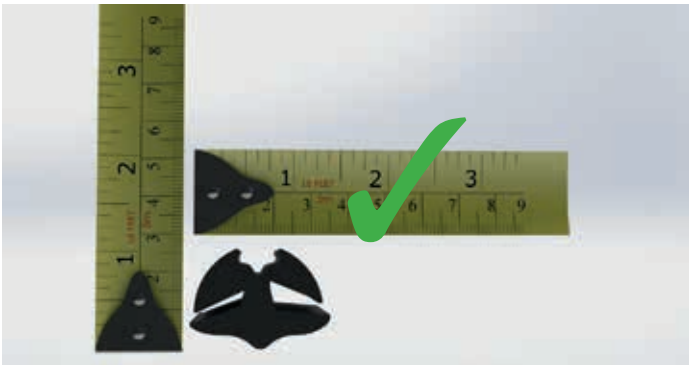
Email us a photograph

Below are a few tips on how to provide us clear information of your existing seal:

1. The view of your seal that we need is the end profile not the side of the seal. Please refer to the examples below:

2. The end of the seal must be in focus and not necessarily the background. Please refer to the examples below:

3. Take the photograph of the seal with a measuring device such as a tape measure or rule. Or if not feasible then provide a couple of basic dimensions in your email so that we can scale the size of the seal. Ensure that the measuring device is correctly aligned with the seal in the photograph so that we can clearly see the overall dimensions. Please refer to the examples below:



Using Adhesives

When gluing rubber it is advised that you abrade it's surface with sand paper and then degrease it with a solvent. E.g. IPA, Acetone, MEK, Toluene or Meths. Do not use anything oil based such as White Spirit. We can supply IPA wipes our order code CW 3936. Ensure that the other surface that you are sticking to is dry, free of dust and grease free.

Contact Adhesives

The following is a guide to using a contact adhesive. It is best to apply one coat of adhesive to each surface and allow it to fully dry. Then apply a second coat to each surface and when touch dry press the two parts together. Please note that contact adhesives do not allow for positioning after the two surfaces are brought together. The following is guide to coverage for the two types we sell:

Thixofix our order code A 139

One 40cc tube covers an area approximately 0.12 square metres. The following is some examples of coverage:

6 metres of rubber strip 20mm wide would require one tube
6 metres of rubber strip 40mm wide would require two tubes

Waterproof contact adhesive our order code A 262

One ¼ litre tin covers an area approximately 0.5 square metres.

Silicone and Polyurethane Sealants

If using a silicone or polyurethane sealant, apply plenty to the joint/surface and then smooth off with a wet finger or scraper. Allow at least 24 hours to cure. The following is a guide to coverage for the silicone sealants our order codes S 137 & S 138 and polyurethane adhesive our order code S 136:

JOINT SIZE	METRES PER 310ML CARTRIDGE
3 X 5MM (15 SQUARE MM)	20.7
5 X 5MM (25 SQUARE MM)	12.4
10 X 5MM (50 SQUARE MM)	6.2
10 X 10MM (100 SQUARE MM)	3.1
15 X 10MM (150 SQUARE MM)	2.1
20 X 10MM (200 SQUARE MM)	1.6
25 X 10MM (250 SQUARE MM)	1.2

Please note that the above figures are theoretical only.

Guide for dimension tolerances on drawings

Below is a table detailing the tolerances of dimensions on our drawings. The tolerances are specified in British Standards BS 3734 and International Standards Organisation ISO 3302-1 for rubber products. In the TOLERANCE box on the drawing (please refer to our website) it will state a class code, either E1, E2 or E3.

TOLERANCES				
NOMINAL DIMENSION		CLASS		
ABOVE	UP TO & INCLUDING	E1 ±	E2 ±	E3 ±
0.00	2.50	0.20	0.35	0.50
2.50	4.00	0.25	0.40	0.70
4.00	6.30	0.35	0.50	0.80
6.30	10.00	0.40	0.70	1.00
10.00	16.00	0.50	0.80	1.30
16.00	25.00	0.70	1.00	1.60
25.00	40.00	0.80	1.30	2.00
40.00	63.00	1.00	1.60	2.50
63.00	100.00	1.30	2.00	3.20
ALL DIMENSIONS ARE IN MILLIMETRES				

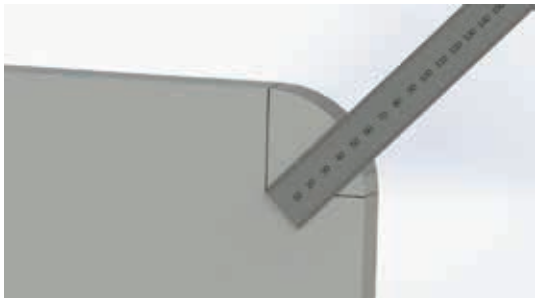
How to measure a corner radius

This document explains what a corner radius is and provides two methods to determine the size of your radius so that you can decide if our seals will fit around your corner. Depending on which method you opt for you may need one of the following Items:

Drinking glasses, Coffee mugs
Saucers, Plates
Paint tins, Tape reels
Any other circular items

A corner radius is the curved part of an edge that links the straight edges together.

Please refer to the diagram opposite:



Black lines are for reference purposes

There are two options for determining the corner radius:

1. You can pencil in 2 lines as shown in the diagram above and measure the distance from the point where the two lines meet to any part of the radius.

2. Place a circular item up in the corner of the place where you want the seal to fit around. The diagrams below show the correct size of item for calculating the corner radius and also shows incorrect size items:

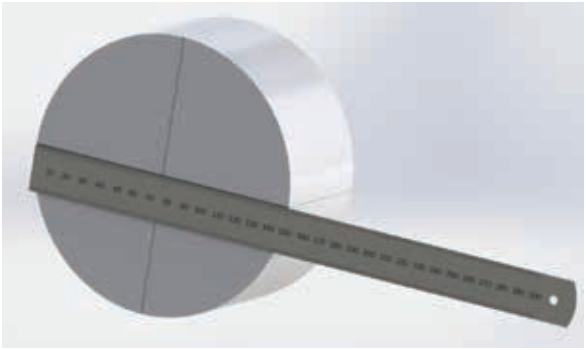
Item is too small

Item is too big

Correct item size

It's important that you choose the correct size of item to ensure you obtain an accurate measurement of your corner radius.
This may involve trying many circular items until you get the right size.

Once you have found the item that fits your corner radius the best, then you need to measure the diameter of the item as shown in the diagram opposite:



Once you have this measurement you need to divide the figure by 2 and that will give you your corner radius.

For example, if your item (plate, mug, glass etc.) measures 150mm diameter (across the item) then you divide this by 2 and the corner radius is 75mm.

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The purpose of this table is to provide some general information on material properties for the majority of the components listed in the catalogue.

Located underneath the order code for each product is a material code which you can cross-reference in the table and find out some basic physical properties.

Please note that an individual material code may cover a range of different products, however, although they may be manufactured from the same generic type of material there may be variations in the properties which is why a range is sometimes specified for some of the properties.

It must be noted that this information is provided for guidance purposes only and therefore to ensure suitability of the product in your application you would need to carry out your own investigation or tests.

For more detailed technical information on a specific item please either go to our website and click on the PDF button or give us a call.

MATERIAL SPECIFICATION TABLE

MATERIAL CODE	MATERIAL DESCRIPTION	HARDNESS/SG RANGE	TENSILE STRENGTH	COMPRESSION SET
AC/PET	MODIFIED ACRYLIC	-	GOOD	GOOD
ALU	ALUMINIUM	60° ROCKWELL B	310MPA	-
BUTYL	BUTYL MASTIC	1.5-1.6 SG	-	-
CAB	CELLULOSE ACETATE BUTYRATE	78° ROCKWELL R	33MPA	-
CR	NEOPRENE RUBBER	40° TO 80° SHORE A	5MPA	20-35%
CYANO	CYANOACRYLATE	85° SHORE A	20MPA	-
EPDM	SYNTHETIC RUBBER	50° TO 80° SHORE A	5-11MPA	20-40%
EXP CR	EXPANDED NEOPRENE RUBBER	0.13 SG	500KPA	25%
EXP CR/EPDM	EXPANDED NEOPRENE /SYNTHETIC RUBBER COMPOUND	0.13 SG	300KPA	25%
EXP EPDM	EXPANDED SYNTHETIC RUBBER	0.5-0.9 SG	-	2.5-50%
EXP NR	EXPANDED NATURAL RUBBER	0.42 SG	295KPA	15%
EXP SIL	EXPANDED SILICONE RUBBER	0.256 SG	1.2N/MM	10%
NBR	NITRILE RUBBER	40° TO 100° SHORE A	GOOD	GOOD
NBR/CR	NITRILE/NEOPRENE RUBBER COMPOUND	-	-	-
NBR/PVC	NITRILE/PVC COMPOUND	65° SHORE A	3MPA	-
NR	NATURAL RUBBER	35° TO 70° SHORE A	4-16MPA	15-35%
NR/SBR	NATURAL STYRENE-BUTADIENE RUBBER COMPOUND	60° TO 75° SHORE	2.5-3MPA	-
PB	LEAD	5° VICKERS	18MPA	-
PE/PP/EXP PU	POLYETHYLENE/ POLYPROPYLENE /EXPANDED POLYURETHANE	-	-	-
PET	POLYESTER	100° SHORE A	100MPA	-
POM	ACETYL	85° SHORE D	65MPA	-
PP	POLYPROPYLENE	0.91 SG	27MPA	-
PU	POLYURETHANE	48° TO 85° SHORE A	35MPA	45%
PVC	POLYVINYL CHLORIDE PLASTIC	60° TO 95° SHORE A	5-39MPA	40%
SIL	SILICONE RUBBER	20° TO 75° SHORE A	0.5-11MPA	13-40%
SS	STAINLESS STEEL	95° ROCKWELL B	515MPA	-
TPE	THERMOPLASTIC ELASTOMER	43° SHORE A	6.6MPA	34%
TPR	THERMOPLASTIC RUBBER	61° SHORE A	6.2MPA	59%
TPS-SBS/SEBS	PLASTIC POLYMER	55° SHORE A	2.8MPA	36%

COLOURS	OIL RESISTANCE	FUEL RESISTANCE	WATER RESISTANCE	TEMPERATURE RANGE
BLACK	GOOD	GOOD	GOOD	-20°C TO +80°C
-	EXCELLENT	EXCELLENT	EXCELLENT	-
WHITE	POOR	POOR	EXCELLENT	-20°C TO +80°C
NATURAL/CLEAR	GOOD	FAIR	EXCELLENT	-40°C TO +75°C
BLACK	GOOD	FAIR	GOOD	-20°C TO +90°C
TRANSLUCENT	FAIR TO GOOD	FAIR TO GOOD	FAIR	-50°C TO +80°C
BLACK	POOR	POOR	EXCELLENT	-40°C TO +120°C
BLACK	GOOD	GOOD	EXCELLENT	-40°C TO +115°C
BLACK	POOR	POOR	EXCELLENT	-30°C TO +90°C
BLACK	POOR	POOR	EXCELLENT	-20°C TO +120°C
BLACK	POOR	POOR	GOOD	-40°C TO +70°C
WHITE	POOR	POOR	EXCELLENT	-50°C TO +200°C
BLACK	GOOD TO EXCELLENT	FAIR	GOOD	-20°C TO +125°C
BLACK	EXCELLENT	EXCELLENT	EXCELLENT	-20°C TO +100°C
VARIOUS	EXCELLENT	EXCELLENT	EXCELLENT	-
WHITE/BLACK	POOR	POOR	GOOD	-20°C TO +70°C
BLACK	POOR	POOR	EXCELLENT	-20°C TO +70°C
BLACK	-	-	-	-
WHITE/BROWN	-	-	-	-40°C TO +70°C
BLACK	EXCELLENT	EXCELLENT	EXCELLENT	-50°C TO +120°C
BLACK	GOOD	EXCELLENT	EXCELLENT	-20°C TO +100°C
WHITE/BROWN/BLACK	EXCELLENT	GOOD	EXCELLENT	0°C TO +90°C
BLACK/TRANSLUCENT	POOR TO FAIR	GOOD TO EXCELLENT	EXCELLENT	-40°C TO +90°C
VARIOUS	GOOD	EXCELLENT	EXCELLENT	-5°C TO +60°C
WHITE/BLACK TANSLUCENT	FAIR TO EXCELLENT	POOR	GOOD	-50°C TO +200°C
-	EXCELLENT	EXCELLENT	EXCELLENT	-
WHITE/BROWN/BLACK	GOOD	GOOD	EXCELLENT	-40°C TO +120°C
WHITE/BROWN/BLACK	GOOD	GOOD	EXCELLENT	-40°C TO +120°C
BLACK	GOOD	GOOD	EXCELLENT	-50°C TO +75°C

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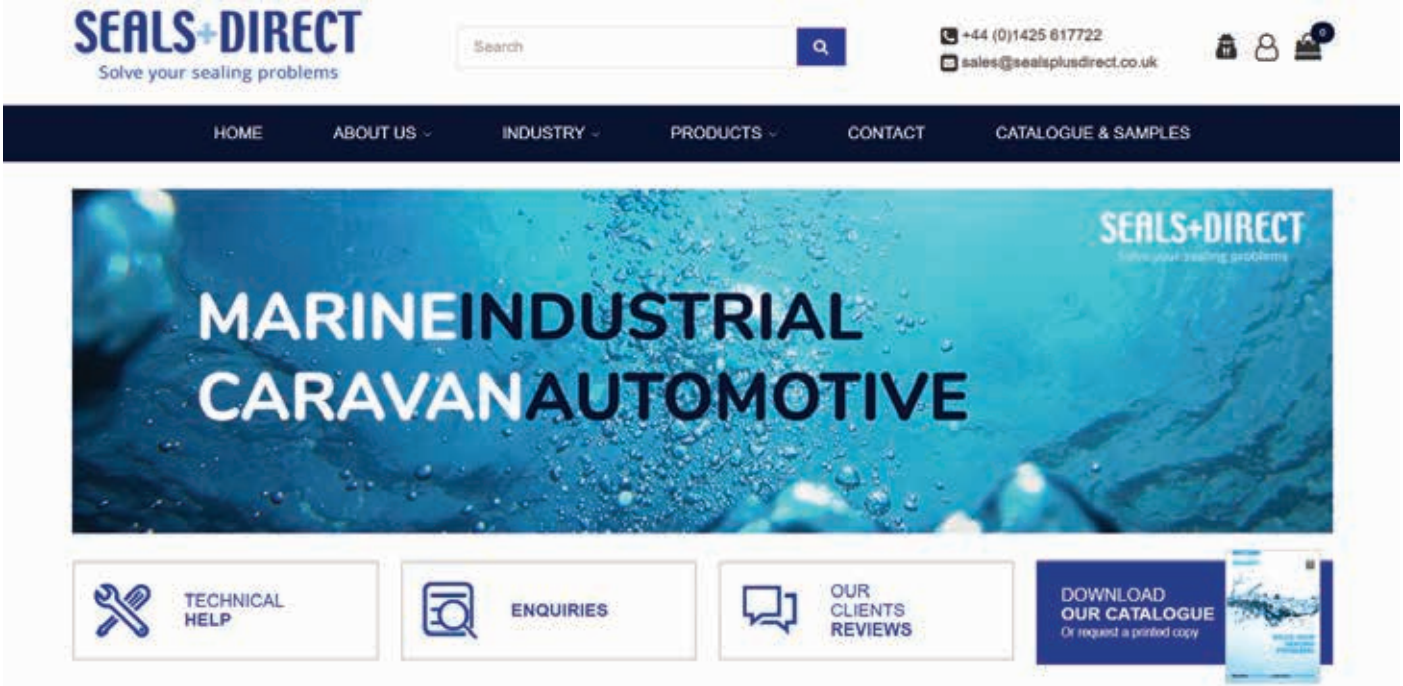

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