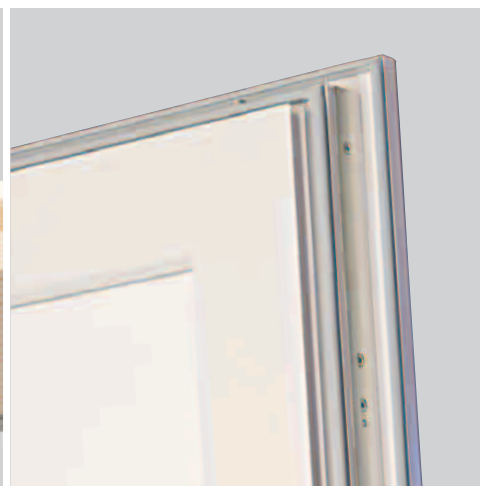
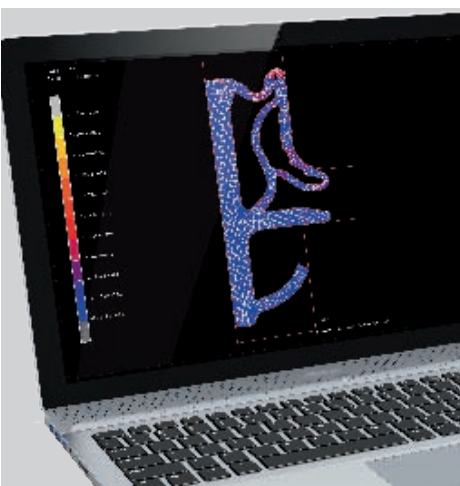


TECHNOLOGY IN MOTION



MACO WEATHERSEALS



Catalogue

MACO
WEATHERSEALS





1	General information	5
2	Window	13
3	Lift&Slide	38
4	Door	43
5	Accessories weatherseals	63
6	Information about processing	65
7	Directory	



N Part number



Packing unit



Gross price in € (/00 means that the price refers to 100 pieces)



Overall component length



Width



Height



Door sill gasket width



Door sill gasket height



Air gap covered by floor-door-gasket

1 General information

1.1 Product information

In accordance with the manufacturer's liability for his products defined in the Product Liability Act (PHG in Austria, ProdHaftG in Germany, PrHG in Switzerland, Codice del Consumo in Italy), the following information must be heeded. Non-compliance shall release the manufacturer from this liability.

1. Information on the product and its intended use

The MACO-WEATHERSEALS products range consists of:

- Window weatherseals
- Door weatherseals
- Accessories for window and door weatherseals
- Floor-door weatherseals
- Floor-door weatherseal accessories

Fields of application

More details on the types of correct applications are shown in the sections Material Characteristics, Weatherseal Characteristics, Processing methods for Weatherseals, Technical Characteristics of Sill Weatherseals in this MACO catalogue (see point 5 of this document)

2. Important notes

- Special warnings
 - i. MACO-WEATHERSEALS are meant for professional use only.
 - ii. MACO accepts no liability for errors of execution, damage and defects resulting from an implementation, application or installation by non-specialised and non-qualified staff.

3. Incorrect use

The recipients of the products supplied, or anyone who receives, uses, retails, resells etc. the product, without exception, are obliged to respect and comply with all the requirements and the provisions referred to in this information document and the documents here mentioned. All recipients, particularly those indicated in point 4 of this sheet are required to fulfil their obligation to provide information regarding the MACO products provided to the purchaser, installer or user. It is also necessary to draw attention to the operating instructions and to the use of the various elements concerning storage, correct use, transportation, application and handling of MACO products. In particular, potential damages that may occur due to an incorrect or improper use of MACO products should be indicated.

Improper use occurs when:

- a) The weatherseals come into contact with types of paints and/or surfaces whose characteristics and behavior are unknown (check the compatibility consulting the supplier before using)
- b) The directions for use contained in the assembly instructions are not respected.

- c) The necessary PPE (personal protective equipment such as goggles, gloves, masks, etc.) are not used during application as described in the safety data sheets.
- d) The indications regarding the range of application for each

4. Information and education requirements- Description of target groups

The indications of this document are addressed to all recipients of the product or anyone who receives, uses, resells etc. the product, without exception. The following operators are indicated as an example and the aiming is not limited to them:

4.1. Designers

include all companies/persons who design the construction of a building and together with it, the installation of doors and windows/systems, including materials and products of installation.

4.2. Specialist retailers

include all companies/persons who purchase products from their respective manufacturers for resale without changing or processing the products.

4.3. Window and doors /systems manufacturers

include all companies/persons who purchase and use semi-finished products from their suppliers and during additional steps of transformation in order to produce and then install windows and doors/systems.

4.4. Retailers of building elements/ installation companies

"retailers of construction elements" include all companies/persons who purchase windows and doors/systems from their manufacturer and then resell and mount them in a construction project without any changes to the windows and doors/systems themselves.

"installation companies" include companies/people who purchase windows and doors/systems from their manufacturer or dealer of building elements in order to install them in a construction project without any changes to the windows and doors/systems themselves.

4.5. Clients

include all companies/persons who require the construction of windows and door/systems to be installed in their construction project.

4.6. End users/users

include all people who use windows and doors/systems, also called "users".

In order to fulfil the information obligations, education and use, in compliance with the code of consumption-Decree and in order to warrant faults and product defects, MACO GmbH makes available to all recipients of the products the documentation

mentioned in point 5 of this document, hereafter referred to as "Product information", whether full or partial documentation.

The recipients of the products are obliged to review and take note of all "Product information" referred in point 5, which must be respected and fulfilled strictly in order to ensure the proper use and correct functioning of the product.

4.7. Examples:

- Designers are expected to request from windows and doors/systems' manufacturers or from MACO the current version of product information available (see point 5) and to observe the indications.
- Retailers are required to adhere to the current version of product information available (see point 5). Retailers are required to request from MACO and forward to windows and doors/systems' manufacturers or installation companies the technical data sheets, the assembly instructions, the instructions for use and maintenance.
- The Retailers of building elements/installation companies are required to comply with the product information available (see point 5), and to request from windows and doors/systems' manufacturers and to forward to Contractors/Clients and end users the instructions for use and maintenance, if required.

5. Documentation available:

The following documentation contains binding provisions concerning the use of MACO-WEATHERSEALS products:

- I. Product catalogue
- II. Instructions for installation and use (if required)
- III. Product technical data sheets
- IV. Safety data sheets (if required)
- V. Instructions for use and maintenance (if required)

The current version of the above-mentioned documentation can be requested in paper format from MACO or downloaded from the download section on www.maco.com

6. Exclusion from liability

All indications and instructions contained in this document have been put together following the current rules and regulations based on the current state of the art, as well as on experience and acquired knowledge.

In order to ensure the safety and the suitability of the use of MACO-WEATHERSEALS, all instructions in the documentation (see points 2. and 5.) provided by MACO must be respected by the recipients of MACO-WEATHERSEALS. Failure to follow these instructions results in wrong use, as indicated in point 3., including the risk of extensive damage to things and people. If the operating instructions or the application examples were not available for a type of application different from MACO's indications or for a particular purpose required by the user, the manufacturer of the system is required to test the suitability for the intended use, or to request such review by a competent person.

MACO is exempt from its responsibility in the following cases:

- a) If the defect is due to a provision of law or an administrative requirement that the product had to comply with.
- b) If, based on the current state of the art at the time the product was put into circulation by the summoned, some characteristics of the product could not be recognized as a defect;
- c) If only one element or a semi-finished product has been produced by the summoned, and if the defect was originated during the construction phase of the product in which the element or the semi-finished product has been integrated, or if the defect occurred due to errors and/or unsuitable procedures put in place by the user/the applicator of the MACO-WEATHERSEALS products (see point 3.)

MACO accepts no liability for failures/performance, damages, due to a total or partial non-compliance with the points 2., 3., 5. and 6. (specifically 2. i, ii, iii, iv, 3. a-e, 5. I, II, III, IV, V, VI, 6.)

In such cases legal and contractual warranties will be excluded, as well as any liability for damages due to defective product.

1.2 Material characteristics

1.2.1 Important information

Installation

When handling/installing weatherseal profiles into the frame, do not allow them to come into contact with dirty or dusty surfaces, such as unclean gloves or hands.

Servicing the weatherseals

MACO weatherseals have no particular maintenance requirements in normal use in the frame. The product should be checked and replaced only by a professionally qualified technician. The use of a weatherseal which does not fit the interior of the frame can result in poor performance (poor weatherseal and comfort of the window or door).

Cleaning

Clean the surface of the weatherseal with a soft cloth dampened with warm water. Do not use a microfibre cloth.

- Do not use detergents.
- Do not use solvents.
- Do not rub the gasket repeatedly and with strong pressure.

Lubrication

To facilitate insertion of the weatherseal into its groove, use talcum powder or potato starch (especially silicone weatherseals). This lubricates surfaces which are subject to friction when the door/window is opened and closed. If the weatherseal requires additional lubrication after having been in use for a long time, dust the surface of the weatherseal with talcum powder or potato starch with a pad when it is completely dry.

Improper use

Always use the handle to open or close a window. Handling it in any other way, for instance holding the frame with your hands, may damage the window's weatherseals.

1.2.2 MACO weatherseal materials

COMPACT THERMOPLASTIC WEATHERSEALS (PC)

In soft vinyl thermoplastic, mono-extruded and co-extruded.

- Good tolerance absorption
- Temperature range: -10/+70 °C
- Not suitable with water-based paints
- Good ozone and UV resistance

COMPACT TPE WEATHERSEALS (TC)

In mono-extruded and co-extruded thermoplastic elastomer.

- Excellent tolerance absorption
- Excellent spring-back
- Temperature range: -40/+120 °C
- Compatible with water- and solvent-based coatings
- The corners can be cut at 45° or welded
- Excellent ozone and UV resistance
- Can be extruded with thin panels, for maximum comfort and minimum closing effort

EXPANDED THERMOPLASTIC ELASTOMER WEATHERSEALS (TE)

In thermoplastic co-extruded and tri-extruded elastomer, with parts in expanded material.

- Excellent tolerance absorption
- Excellent spring-back
- Temperature range: -40/+120 °C
- Compatible with water- and solvent-based coatings
- The corners can be cut at 45° or welded
- Excellent ozone and UV resistance

- Functional parts in foam material, for comfortable and soft compression

COMPACT SILICONE WEATHERSEALS (SC)

In cured silicone, mono-extruded or co-extruded.

- High tolerance absorption
- Better spring-back in adverse weather conditions
- Temperature range: -40/+200 °C
- Excellent compatibility with water- and solvent-based coatings
- Corners can be joined by cutting at 45° or 90° - in special cases, cold vulcanisation is an option (Splicen)
- Excellent ozone and UV resistance
- High performance for excellent closing comfort

EXPANDED SILICONE WEATHERSEALS (SE)

In co-extruded cured silicone, with parts in expanded material.

- High tolerance absorption
- Better spring-back in adverse weather conditions
- Temperature range: -40/+200 °C
- Excellent compatibility with water- and solvent-based coatings
- The corners can be cut at 45° or 90°
- Excellent ozone and UV resistance
- Functional section in expanded material for improved closing comfort

EPDM WEATHERSEALS (EE, EC)

In cured EPDM, mono-extruded or co-extruded, with a compact EPDM profile (EC) or with parts in foam material (EE).

- Excellent tolerance absorption

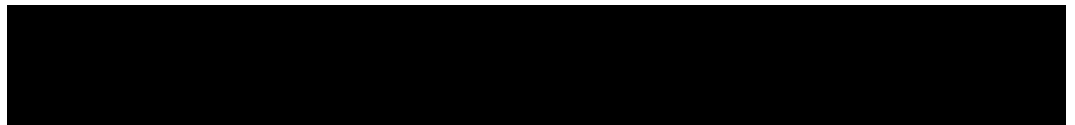


- Excellent spring-back in the temperature range: -40/+120 °C
- Good compatibility with water- and solvent-based coatings
- The corners can be cut at 45° or 90°
- Excellent ozone and UV resistance (black colour only)
- (EE) Functional parts in foam material, for comfortable and soft compression

Coating compatibility		
Series	suited for solvent-based coating	suited for water-based coating
PCxxxx	✓	✗
TCxxxx	✓	✓
TExxxx	✓	✓
SCxxxx	✓	✓
SExxxx	✓	✓
ECxxxx	✓	✓
EExxxx	✓	✓
✓	= compatible	
✗	= not compatible	

1.2.3 MACO weatherseal colours

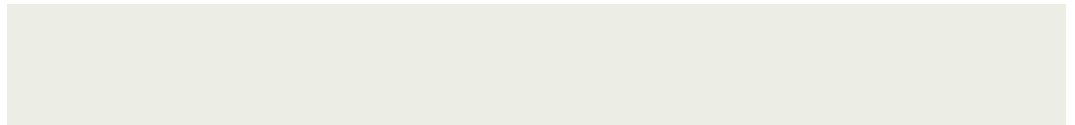
signal black



window grey



traffic white



beige



sepia brown



The colours are for guidance only: the reproduction on paper may differ from the original weatherseal colours.

1.3 Characteristics of MACO weatherseals

The weatherseals are generally made of a compact material in a range of Shore hardnesses. An extrusion made with a single hardness material is called a mono-extrusion. If it has two different hardnesses, it is called a compact co-extrusion. If a section of expanded material is united to the compact material, this is generally called a tri-extrusion.

The expanded section has a special structure which gives a very soft effect in compression. Specially design geometries, combined with very soft functional sections and optimised spring-back, give an excellent thermal and acoustic weatherseal. The overall quality of the profile depends on the geometry of the extruded materials and their specific combination, which are designed to yield an excellent weatherseal and comfort in use.

1.3.1 Characteristics of MACO weatherseals in TC compact thermoplastic elastomer

Mono- and co-extruded thermoplastic elastomer (TPE) weatherseals are generally suited to both simple and complex geometries, even with very thin walls which provide a soft and therefore excellent weatherseal. TC weatherseals are resistant

to ozone and UV and maintain their physical and mechanical characteristics in the temperature range $-40^{\circ}\text{C}/+120^{\circ}\text{C}$.

TPE stands out for the fact that not only can the corners be processed in the normal way by cutting them, they can also be welded.

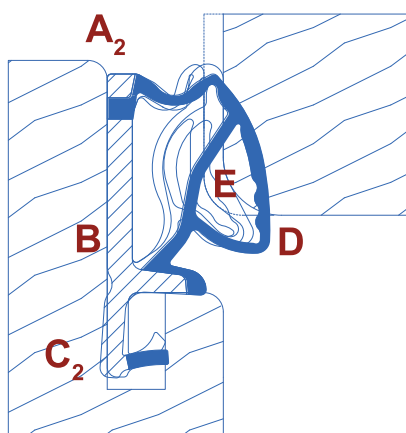
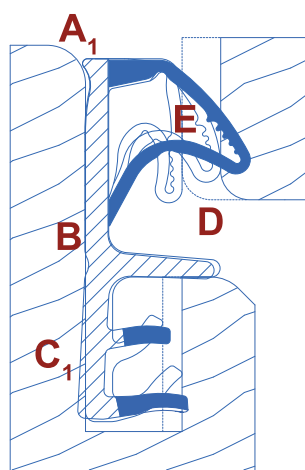
A - Simple processing, by the use of a hard back ($_1$) and the integration of a barrier of elongation ($_2$), the weatherseal can be clipped easily.

B - Facilitated installation thanks to the rigid back, which also counteracts overstretching of the weatherseal when inserted into the groove.

C - Sealing foot, specially developed for universal ($_1$) or nominal dimensions ($_2$), ensures excellent hold in the groove and easy installation.

D - High performance through synergy: Weatherseal Fitting Threshold. Thanks to the specially developed weatherseal for optimum contact with the stop, taking into account the fitting and other window accessories, the weatherseal offers a high tolerance in effective effective range, and in some cases follows the stop contour.

E - ease of use. The choice of materials and their combination, the design of the weatherseal shape with low wall thickness and the inserted break points allow a comfortable closing without sacrificing the insulating performance.



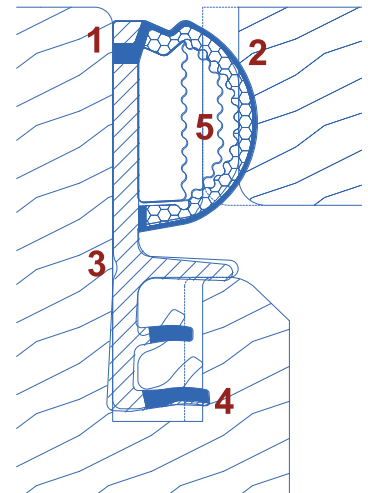
1.3.2 Characteristics of MACO weatherseals in TE expanded thermoplastic elastomer

Co- and tri-extruded thermoplastic elastomer (TPE) weatherseals are generally suited to both simple and complex geometries, with functional sections in expanded material which provides a soft and therefore excellent weatherseal. TE weatherseals are resistant to UV and maintain their physical and mechanical characteristics in the temperature range $-40^{\circ}\text{C}/+120^{\circ}\text{C}$. TPE stands out for the fact that not only can the corners be processed in the normal way by cutting them, they can also be welded.

Co- and tri-extruded thermoplastic elastomer (TPE) weatherseals are generally suited to both simple and complex geometries, with functional sections in expanded material which

provides a soft and therefore excellent weatherseal. The TE weatherseal range is made with an extrusion of three different physical forms of TPE, known as a tri-extrusion. They have a **structural section** with a particularly high Shore hardness, a **functional section** made in very soft closed cell expanded material, and a **section which is functional and protective**, with a medium/soft Shore hardness. TE weatherseals are resistant to UV and maintain their physical and mechanical characteristics in the temperature range $-40^{\circ}\text{C}/+120^{\circ}\text{C}$. TPE stands out for the fact that not only can the corners be processed in the normal way by cutting them, they can also be welded.

- 1 Overstretch protection - stabilizing area
- 2 Steath - protective layer
- 3 Rigid full material - stabilizing area
- 4 Soft full material - functional area
- 5 Expanded material (foam) - functional area



1.3.3 Characteristics of MACO weatherseals in SC compact or SE expanded vulcanised silicone

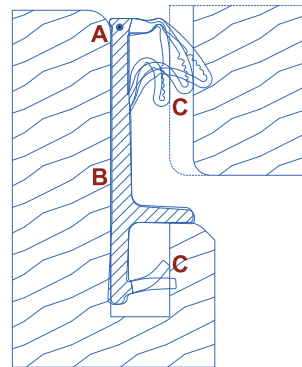
Mono-extruded vulcanised silicone weatherseals are suited for both simple and complex geometrical forms, and offer a soft and effective weatherseal. MACO SC weatherseals are also available in a co-extruded version, with a more rigid back which facilitates insertion into the groove. Given the high elasticity of the material, a robust, thin wire may be co-extruded with it to prevent it stretching or breaking during insertion. To facilitate processing and insertion into the groove, MACO SC weather-

seals are mostly given a surface dusting of talcum powder. SC weatherseals are ozone and UV resistant, and maintain their physical and mechanical characteristics in the temperature range $-40^{\circ}\text{C}/+200^{\circ}\text{C}$. Vulcanised silicone stands out for its excellent spring-back, high resistance to extreme temperatures and a long service life. Vulcanised silicone weatherseals are our top of the range product. MACO silicone weatherseals can also be extruded with sections in expanded material (SE)

A - Robust and durable thread protects against overstretching in the installation phase of the weatherseals. In addition, it serves as an indicator for a correct processing of latched profiles.

B - Facilitated installation thanks to the rigid back, which also counteracts overstretching of the seal when inserted into the groove. In addition, the hard back has a stabilizing effect on the head geometry.

C - Synergy weatherseal, fitting, threshold. The combination of the special properties of the soft and elastic silicone material with the selection of a suitable geometry, taking into account possible fitting parts and installation situations results in profiles with increased tolerance absorption while maintaining a firm hold in the groove.



1.3.4 Characteristics of MACO weatherseals in EC compact or EE expanded EPDM

Vulcanised EPDM, in the version with an expanded functional section, has outstanding spring-back in its intended temperature range. Co-extruded vulcanised EPDM weatherseals are generally best suited to very simple, rounded geometries, with rather thick walls. The expanded section provides an exceptionally soft weatherseal, whether solid or with a hollow geometry. MACO EE weatherseals are the only ones in our range to be mainly available in black, especially as regards their compact/

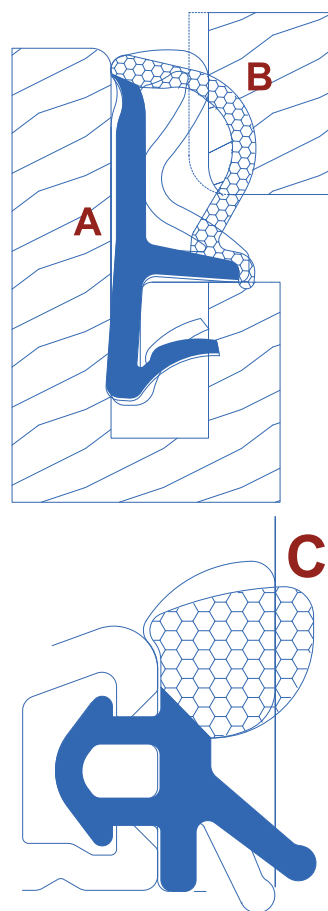
rigid component. The expanded functional section may also be coloured, so long as the weatherseal is not constantly exposed to UV.

If they are to be largely exposed to UV, we can recommend only the black colour. EE weatherseals maintain their physical and mechanical characteristics in the temperature range -40°C/+120°C and offer excellent spring-back.

A - Facilitated installation thanks to the rigid back, which also counteracts overstretching of the weatherseal when inserted into the groove.

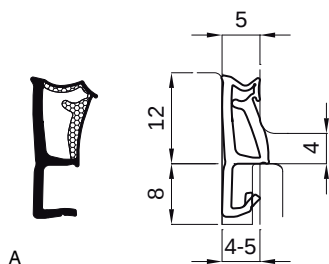
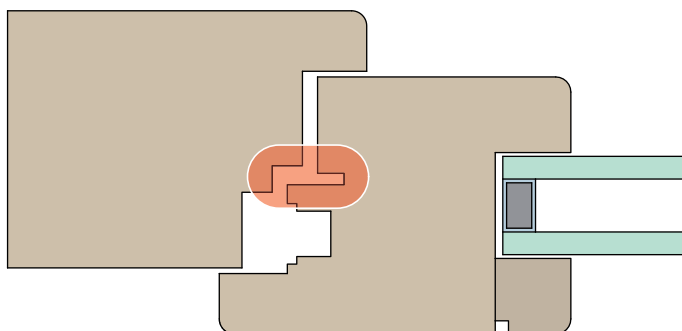
B - Excellent softness when touched. Thanks to the special properties of EPDM, the expanded area (foam) needs no additional protective coating on the surface. This allows the expanded area to compress particularly well.

C - Full profile with guaranteed softness. The expanded area also offers special softness and excellent elasticity under all conditions, even in cavity-free seal shapes.



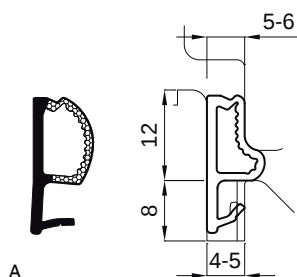
2 Window

2.1 Sash rebate weatherseals



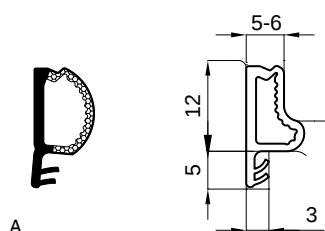
2.1.1 TE3023c

			L		No
TE3023c	foamed-TPE	beige	180	180	479600
		graphite grey	180	180	479602
		sepia brown	180	180	479599
		signal black	180	180	A 479597
		traffic white	180	180	479598
		window grey	180	180	479601

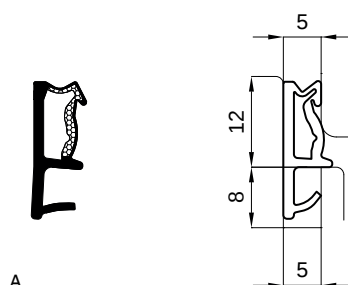


2.1.2 TE3003b

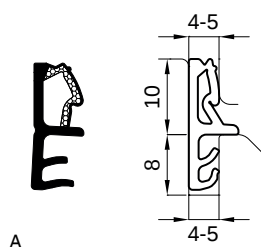
			L		No
TE3003a-4	foamed-TPE	beige	170	170	476367*
		sepia brown	170	170	476368
		signal black	170	170	476370
		traffic white	170	170	476369
		window grey	170	170	A 476366*



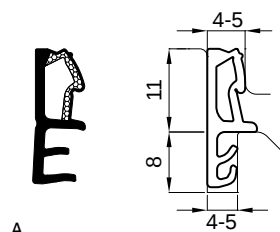
2.1.3 TE3004				L		№
	TE3004	foamed-TPE				
			beige	210	210	476570
			light grey	210	210	479001*
			sepia brown	210	210	476568
			signal black	210	210	A 476566
			traffic white	210	210	476569
			window grey	210	210	476567



2.1.4 TE3009				L		№
TE3009	foamed-TPE	beige	200	200	A	
		graphite grey	200	200		479646
		light grey	200	200		479435*
		sepia brown	200	200		476510
		signal black	200	200		476512
		traffic white	200	200		476511
		window grey	200	200		476509

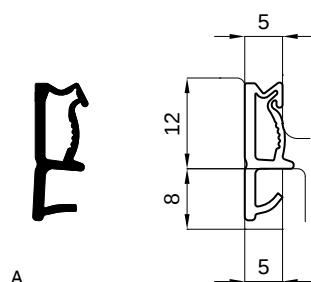


2.1.5 TE3011a				L		№
TE3011a	foamed-TPE	beige	180	180		
		sepia brown	180	180		477398*
		signal black	180	180	A	477396
		traffic white	180	180		477397*
		window grey	180	180		477400*



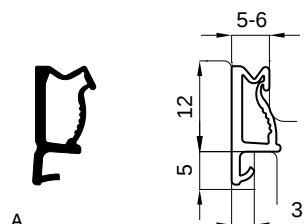
A

2.1.6 TE3013c				L		A	№
	TE3013c	foamed-TPE	sepia brown	170	170		
			signal black	170	170	A	477889
			traffic white	170	170		477891



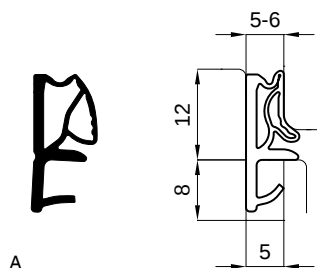
A

2.1.7 TC2002					L			№
	TC2002	TPE	beige	200	200	A	476497	
			graphite grey	200	200	—	479442*	
			sepia brown	200	200	—	476499	
			signal black	200	200	—	476501	
			traffic white	200	200	—	476500	
			window grey	200	200	—	476498	

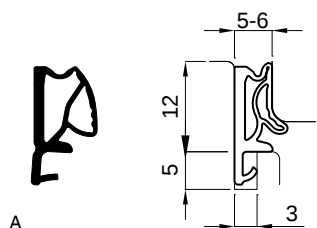


A

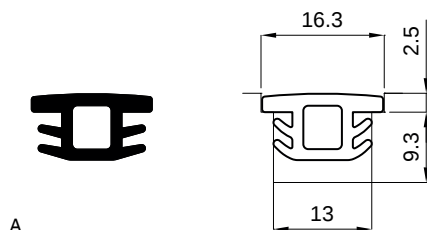
2.1.8 TC2003					L			№
	TC2003	TPE	beige	200	200	A	476634*	
			light grey	200	200	—	478047	
			sepia brown	200	200	—	476635	
			signal black	200	200	—	476638	
			traffic white	200	200	—	476637	
			window grey	200	200	—	476636	



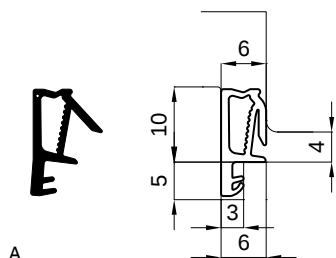
2.1.9 TC2017					L			Nº
	TC2017	TPE	beige	150	150	A		476690*
			sepia brown	150	150			476691
			signal black	150	150			476694
			traffic white	150	150			476693
			window grey	150	150			476692



2.1.10 TC2018					L			Nº
	TC2018	TPE	beige	150	150	A		476695
			sepia brown	150	150			476696
			signal black	150	150			476699
			traffic white	150	150			476698
			window grey	150	150			476697



2.1.11 TC2025					L			Nº
	TC2025	TPE		180	180	A		477227



2.1.12 SC6012

L



Nº

SC6012

silicone

light grey

25

25

479294*

sepia brown

25

25

479293*

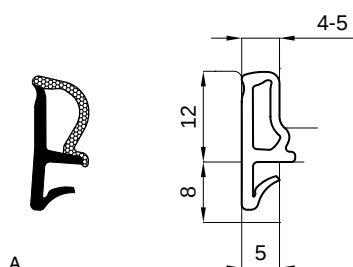
signal black

25

25

A

479292*



2.1.13 EE5002

L



Nº

EE5002

Expanded EPDM

beige

200

200

476889*

sepia brown

200

200

476888*

signal black

200

200

A

476885

traffic white

200

200

476886*

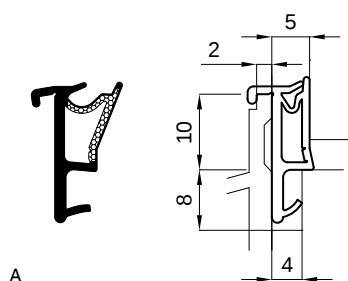
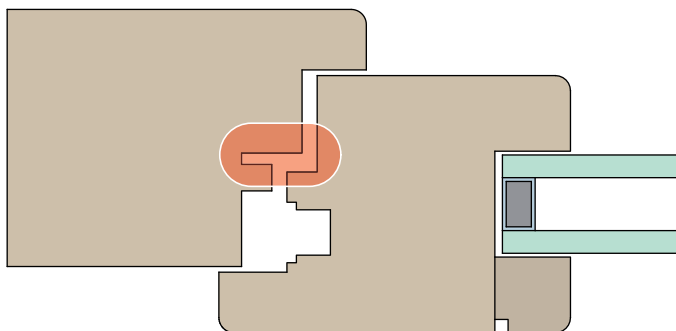
window grey

200

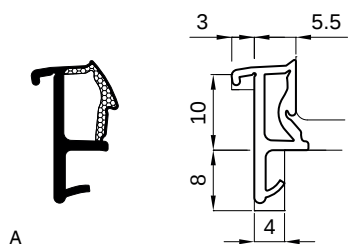
200

476887*

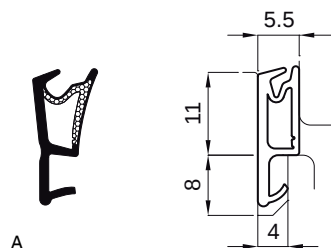
2.2 Frame weatherseals



2.2.1 TE3002a					L			Nº
TE3002a		foamed-TPE	beige	120	120	A	476482*	
			sepia brown	120	120		476484	
			signal black	120	120		476486	
			traffic white	120	120		476485	
			window grey	120	120		476483*	



2.2.2 TE3014					L			Nº
TE3014		foamed-TPE	sepia brown	120	120			477886
			signal black	120	120	A		477885
			traffic white	120	120			477887
			window grey	120	120			479349



2.2.3 TE3015a

L



Nº

TE3015

foamed-TPE

beige

160

160

477992

light grey

160

160

477990

sepia brown

160

160

477991

signal black

160

160

A

477962

window grey

160

160

479549

TE3015a

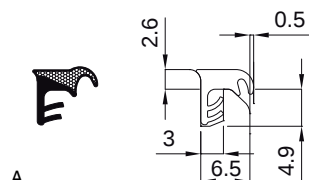
foamed-TPE

traffic white

160

160

477964



2.2.4 TE3019c

L



Nº

TE3019c

foamed-TPE

sepia brown

300

300

478673*

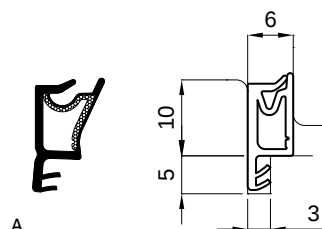
traffic white

300

300

A

478672*



2.2.5 TE3021

L



Nº

TE3021

foamed-TPE

sepia brown

180

180

479309*

signal black

180

180

A

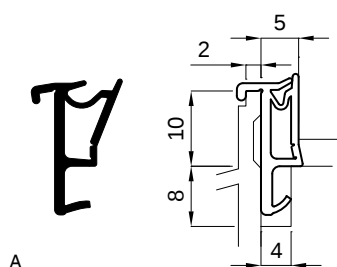
479308

traffic white

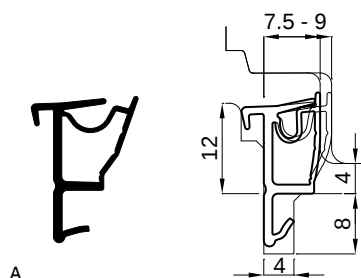
180

180

479310*

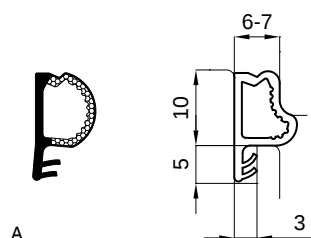
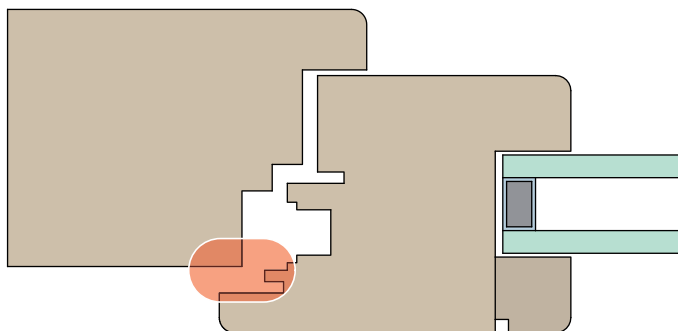


2.2.6 TC2037					L			Nº
	TC2037	TPE	beige	120			A	478399*
			sepia brown	120	120			478400
			signal black	120	120			478402
			traffic white	120	120			478401



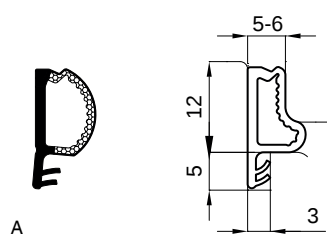
2.2.7 TC2045					L			Nº
	TC2045	TPE	signal black	100	100		A	478573*

2.3 Overlap weatherseals



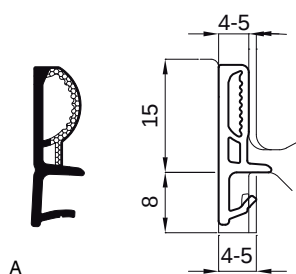
2.3.1 TE3001

				L			Nº
	TE3001	foamed-TPE	beige	200	200		476377*
			sepia brown	200	200		476378
			signal black	200	200		476380
			traffic white	200	200		476379
			window grey	200	200	A	476376



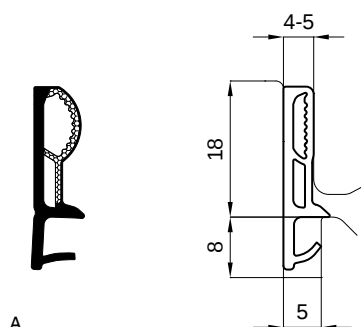
2.3.2 TE3004

				L			Nº
	TE3004	foamed-TPE	beige	210	210		476570
			light grey	210	210		479001*
			sepia brown	210	210		476568
			signal black	210	210	A	476566
			traffic white	210	210		476569
			window grey	210	210		476567



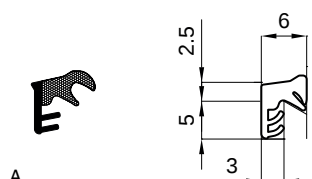
A

2.3.3 TE3005b				L		Nº
TE3005b				foamed-TPE		
				beige	170 170	476575*
				sepia brown	170 170	476573
				signal black	170 170	A 476571
				traffic white	170 170	476574
				window grey	170 170	476572*



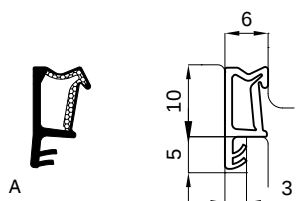
A

2.3.4 TE3006				L		Nº
TE3006				foamed-TPE		
				beige	150 150	476580*
				sepia brown	150 150	476578
				signal black	150 150	A 476576
				traffic white	150 150	476579
				window grey	150 150	476577*

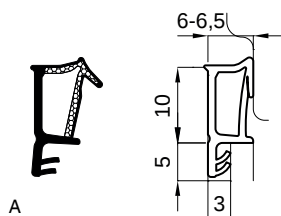


A

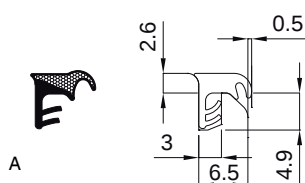
2.3.5 TE3007				L		Nº
TE3007				foamed-TPE		
				beige	370 370	A 476487
				light grey	370	479596*
				sepia brown	370 370	476489
				signal black	370 370	476491
				traffic white	370 370	476490
				window grey	370 370	476488



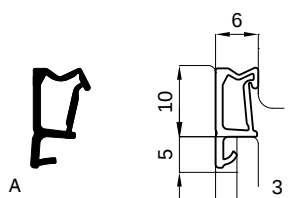
2.3.6 TE3008					L			Nº
	TE3008	foamed-TPE	beige	230	230		A	476503
			graphite grey	230				479647*
			light grey	230	230			479434
			sepia brown	230	230			476505
			signal black	230	230			476507
			traffic white	230	230			476506
			window grey	230	230			476504



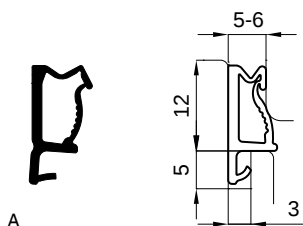
2.3.7 TE3012					L			Nº
	TE3012	foamed-TPE	beige	190	190			477405*
			sepia brown	190	190			477404
			signal black	190	190		A	477402*
			traffic white	190	190			477403*
			window grey	190	190			477406*



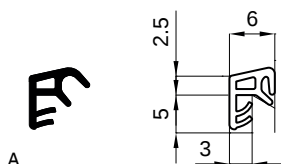
2.3.8 TE3019c					L			Nº
	TE3019c	foamed-TPE	sepia brown	300	300			478673*
			traffic white	300	300		A	478672*



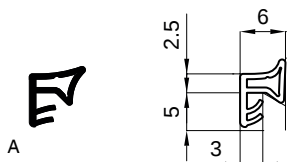
2.3.9 TC2001					L			Nº
	TC2001	TPE	beige	230	230		A	476492
			sepia brown	230	230			476494
			signal black	230	230			476496
			traffic white	230	230			476495
			window grey	230	230			476493



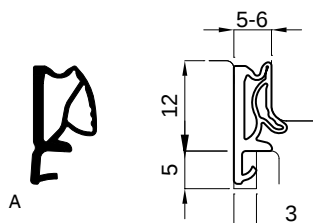
2.3.10 TC2003					L		Nº
TC2003	TPE	beige	200	200	A		476634*
		light grey	200	200			478047
		sepia brown	200	200			476635
		signal black	200	200			476638
		traffic white	200	200			476637
		window grey	200	200			476636



2.3.11 TC2004					L		Nº
TC2004	TPE	beige	370	370			476585
		sepia brown	370	370			476583
		signal black	370	370	A		476581
		traffic white	370	370			476584
		window grey	370	370			476582



2.3.12 TC2005					L		Nº
TC2005	TPE	beige	370	370			476590
		graphite grey	370	370			479441*
		sepia brown	370	370			476588
		signal black	370	370	A		476586
		traffic white	370	370			476589
		window grey	370	370			476587



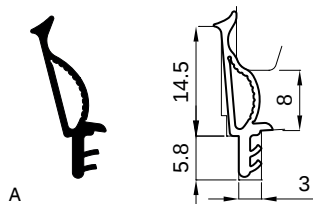
2.3.13 TC2018

L



Nº

TC2018	TPE				
		beige	150	150	A 476695
		sepia brown	150	150	476696
		signal black	150	150	476699
		traffic white	150	150	476698
		window grey	150	150	476697



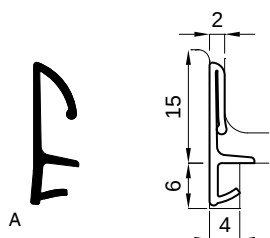
2.3.14 TC2027

L



Nº

TC2027	TPE				
		beige	180	180	477411*
		sepia brown	180	180	477410
		signal black	180	180	A 477408
		traffic white	180	180	477409
		window grey	180	180	477412



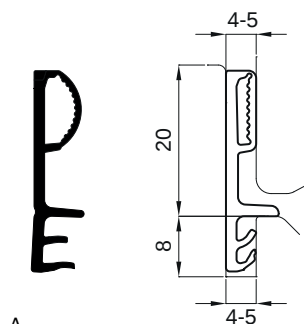
2.3.15 TC2028a

L

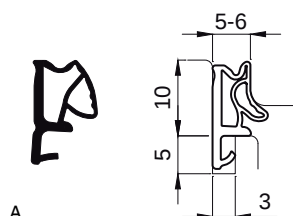


Nº

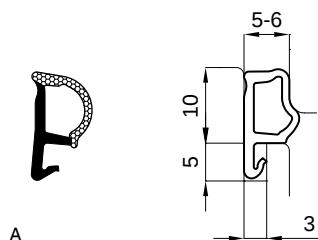
TC2028a	TPE				
		sepia brown	200	200	A 477414
		traffic white	200	200	477415
		window grey	200	200	479550



2.3.16 TC2029				L		Nº
TC2029		TPE	beige	140	140	477869*
			sepia brown	140	140	477868
			signal black	140	140	A 477866
			traffic white	140	140	477867*
			window grey	140	140	477870*

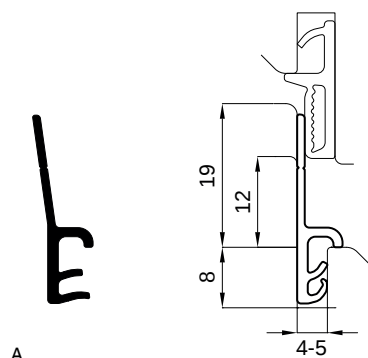
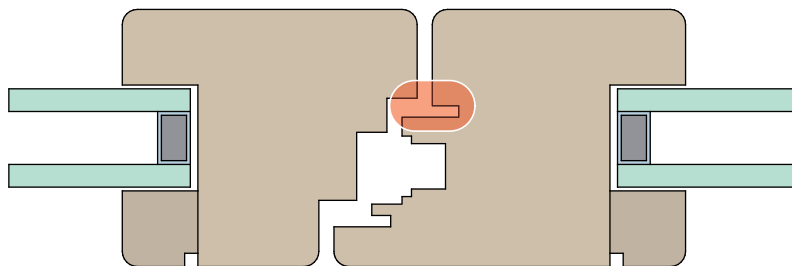


2.3.17 TC2049				L		Nº
TC2049		TPE	sepia brown	190	190	478881*
			signal black	190	190	A 478878*
			traffic white	190	190	478879*
			window grey	190	190	478880*



2.3.18 EE5001				L		Nº
EE5001		Expanded EPDM	beige	220	220	476883*
			sepia brown	220	220	476882*
			signal black	220	220	A 476879
			traffic white	220	220	476880*
			window grey	220	220	476881*

2.4 Astragal weatherseals



2.4.1 TC2019

L



№

TC2019

TPE

beige

180

180

476904

sepia brown

180

180

476903

signal black

180

180

A

476900

traffic white

180

180

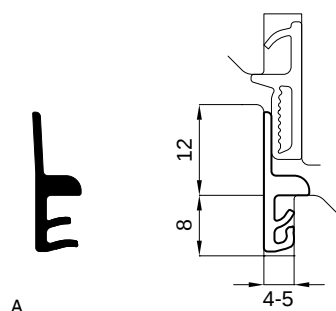
476901

window grey

180

180

476902



2.4.2 TC2020

L



№

TC2020

TPE

beige

210

210

476910*

sepia brown

210

210

476909

signal black

210

210

A

476906

traffic white

210

210

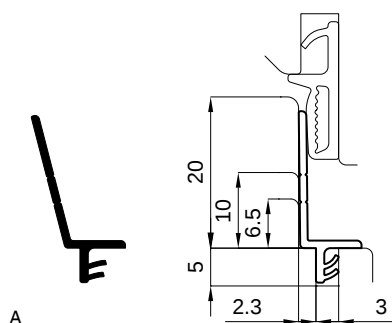
476907

window grey

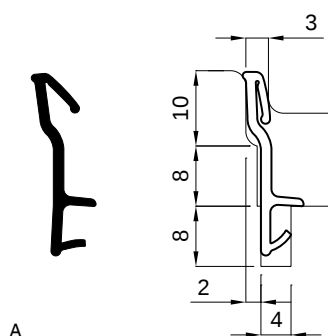
210

210

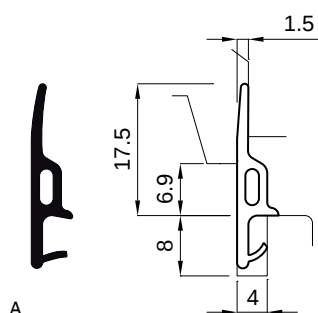
476908*



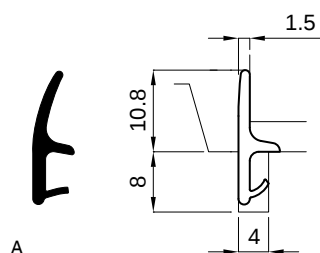
2.4.3 TC2021					L		Nº
	TC2021	TPE	beige		130	130	476916*
			graphite grey		130	130	478049
			sepia brown		130	130	476915
			signal black		130	130	A 476912
			traffic white		130	130	476913
			window grey		130	130	476914*



2.4.4 TC2033					L		Nº
	TC2033	TPE	signal black		100	100	A 478102



2.4.5 TC2034					L		Nº
	TC2034	TPE	signal black		150	150	A 478153



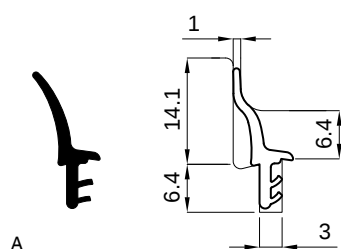
2.4.6 TC2035

L



Nº

TC2035	TPE	signal black	200	200	A	478187
--------	-----	--------------	-----	-----	---	--------



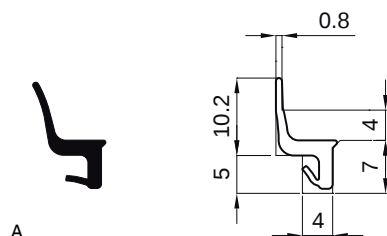
2.4.7 TC2053

L



Nº

TC2053	TPE	sepia brown	180	180		479340
		signal black	180	180	A	479339
		traffic white	180	180		479341



2.4.8 TC2054

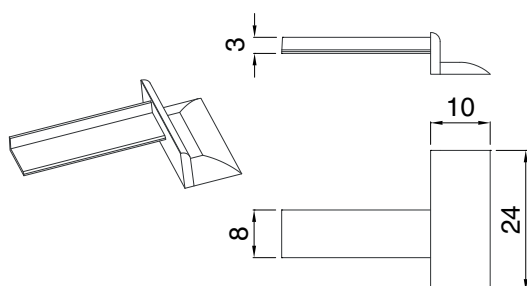
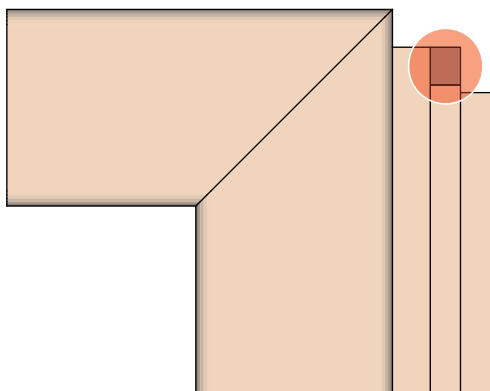
L



Nº

TC2054	TPE	signal black	200	200	A	479551*
--------	-----	--------------	-----	-----	---	---------

2.5 End pieces for central meeting point



A

2.5.1 Universal end piece 10 for 3 mm groove



№

"universal 10"

TPE

beige

100

477002*

sepia brown

100

477000*

signal black

100

476998*

traffic white

100

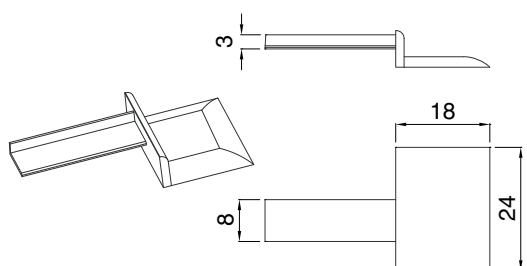
A

476999*

window grey

100

477001*



A

2.5.2 Universal end piece 18 for 3 mm groove



№

"universal 18"

TPE

beige

100

477007*

sepia brown

100

477005*

signal black

100

477003*

traffic white

100

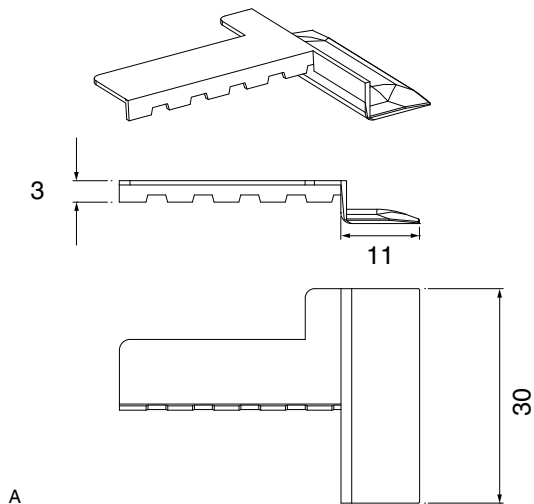
A

477004*

window grey

100

477006*



2.5.3 Universal end piece 30 for 3 mm groove



Nº

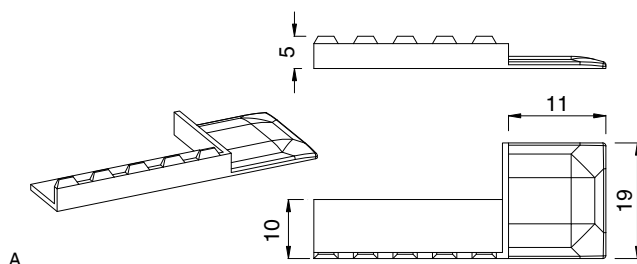
"universal 30"

TPE

beige	100
graphite grey	100
light grey	100
sepia brown	100
signal black	100
traffic white	100

A

478781*
463122
478780*
478779
478777*
478778



2.5.4 Universal end piece 11 for 5 mm groove



Nº

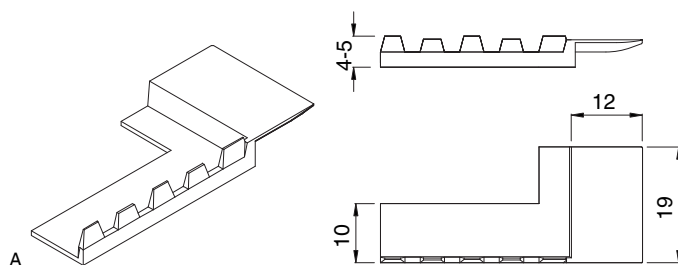
"universal 11"

TPE

beige	100
sepia brown	100
signal black	100
traffic white	100
window grey	100

A

476997*
476995*
476993*
476994*
476996*



2.5.5 Universal end piece 12 for 4-5 mm groove



Nº

"universal 12"

TPE

beige

100

476987

sepia brown

100

476985

signal black

100

476983

traffic white

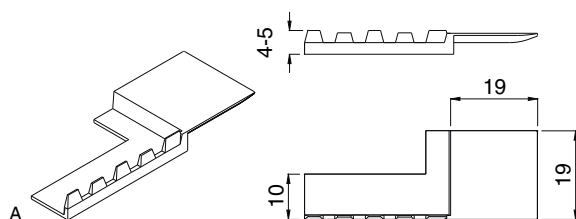
100

476984

window grey

100

476986



2.5.6 Universal end piece 19 for 4-5 mm groove



Nº

"universal 19"

TPE

beige

100

476992*

sepia brown

100

476990

signal black

100

476988

traffic white

100

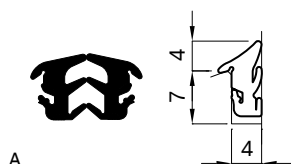
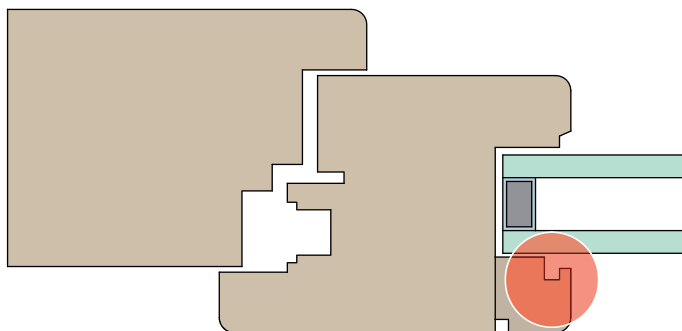
476989

window grey

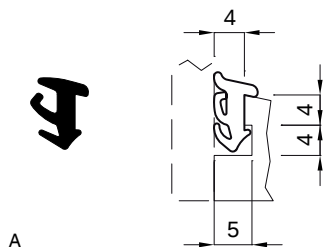
100

476991*

2.6 Glazing weatherseals Wood

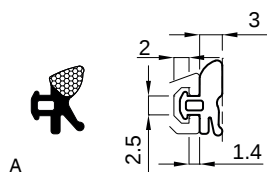
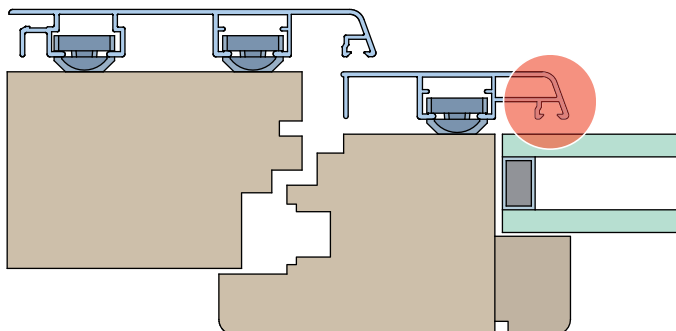


2.6.1 TC2031						L		A	Nº
TC2031		TPE	sepia brown	double-stranded	(150x2)	300	300		478205
			signal black	double-stranded	(150x2)	300	300		478202
			traffic white	double-stranded	(150x2)	300	300		478203
			window grey	double-stranded	(150x2)	300	300		478204



2.6.2 TC2036						L		A	Nº
TC2036		TPE	beige			250	250		478199
			sepia brown			250	250		478198*
			signal black			250	250		478197*
			traffic white			250	250		478200*

2.7 Glazing weatherseals Aluminium



2.7.1 EE5007

L



Nº

EE5007

Expanded EPDM

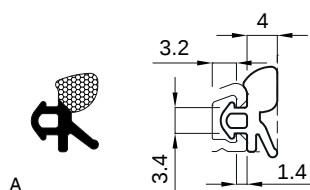
signal black

300

300

A

477861*



2.7.2 EE5008

L



Nº

EE5008

Expanded EPDM

signal black

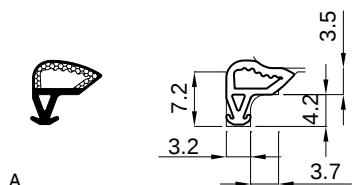
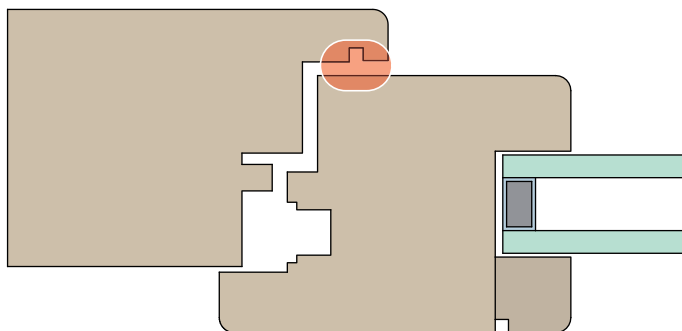
250

250

A

477862*

2.8 Compression weatherseals Wood



2.8.1 TE3016

L



№

TE3016

foamed-TPE

light grey

300

300

A

sepia brown

300

300

signal black

300

300

traffic white

300

300

window grey

300

300

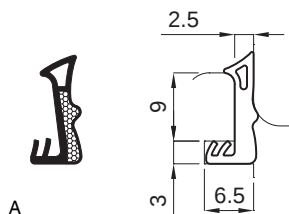
477959

477955

477958

477956

477957



2.8.2 TE3022a

L



№

TE3022a

foamed-TPE

sepia brown

200

200

A

signal black

200

200

traffic white

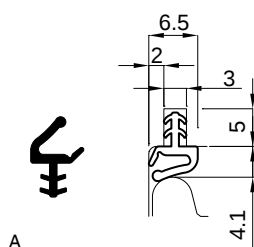
200

200

479480*

479478*

479479*



2.8.3 TC2038

L



№

TC2038

TPE

light grey

300

300

A

signal black

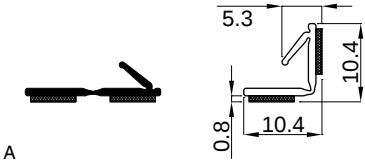
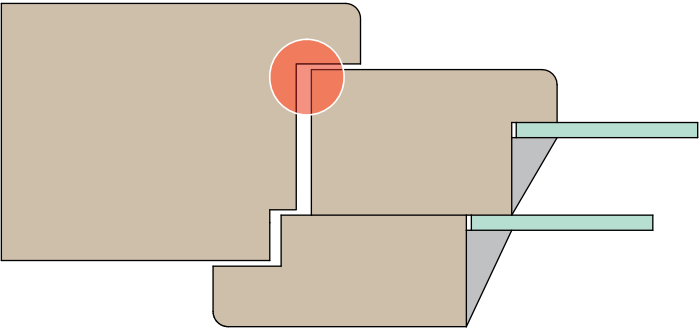
300

300

479002

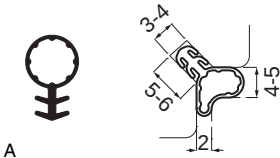
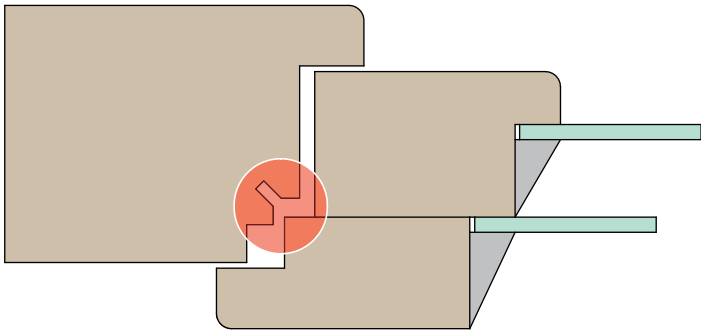
478495

2.9 Adhesive weatherseals



2.9.1 TC2042					L			No
TC2042		TPE	signal black	15	180	A	478514*	
			traffic white	15	180		478515*	

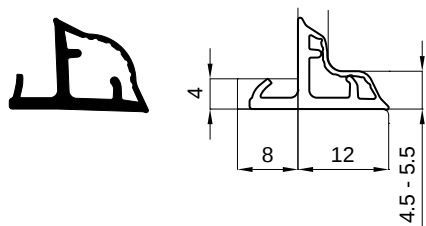
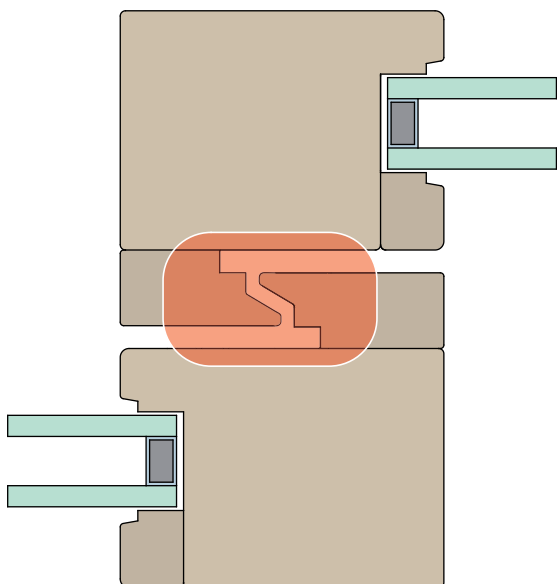
2.10 Hose weatherseals



2.10.1 SC6011b					L		№	
SC6011b		silicone	sepia brown	200	200		479273*	
			signal black	200	200	A	479272*	

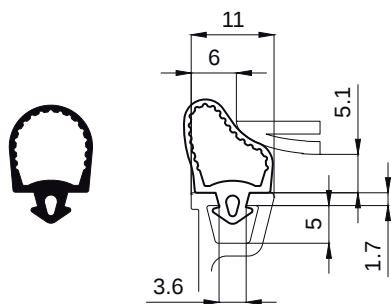
3 Lift&Slide

3.1 Central meeting point



A

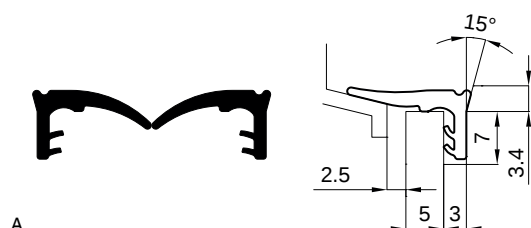
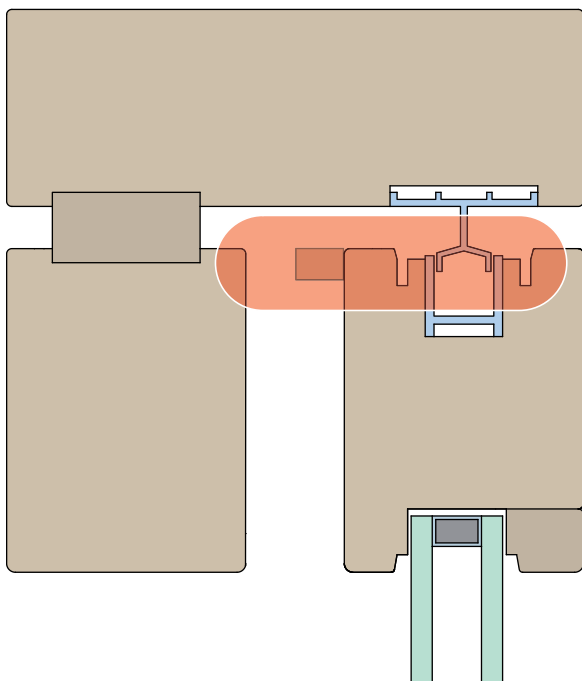
3.1.1	SC6006b			L			Nº
	SC6006b	silicone	beige	100	100	A	476743*
			sepia brown	100	100		476744
			signal black	100	100		476747
			traffic white	100	100		476746
			window grey	100	100		476745*



A

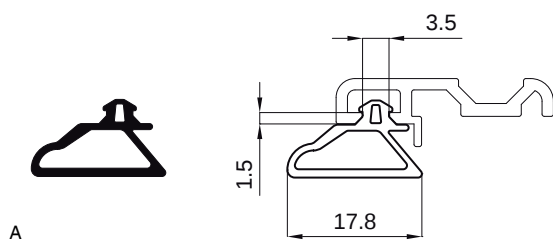
3.1.2	SC6014			L			Nº
	SC6014	silicone	light grey	25	20	A	479083*

3.2 Guide rail

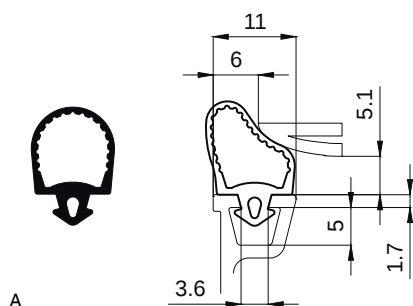


3.2.1 TC2023

					L			Nº
TC2023	TPE	beige	double-stranded	(90x2)	180	180	A	477050*
		sepia brown	double-stranded	(7,5x2)	15	15		478135
				(90x2)	180	180		477051*
				6 pcs. to 30m (15x12)	180	180		478133
		signal black	double-stranded	(7,5x2)	15	15		478136
				(90x2)	180	180		477054
				6 pcs. to 30m (15x12)	180	180		478134
		traffic white	double-stranded	(7,5x2)	15	15		478137
				(90x2)	180	180		477053
		window grey	double-stranded	(90x2)	180	180		477052

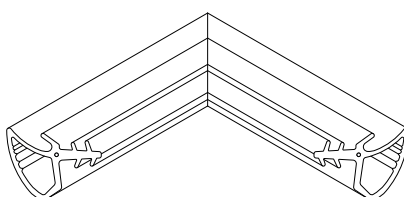
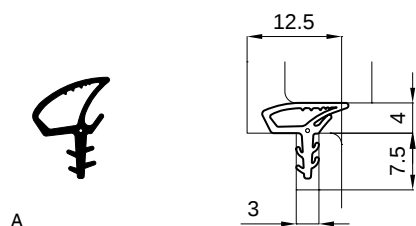
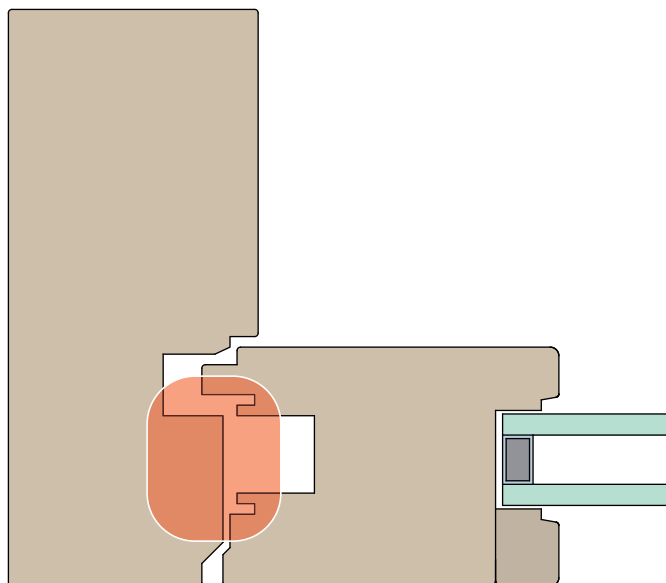


3.2.2 TC2048				L		№
TC2048				TPE	light grey	
				1,5	10	478650*
				2,5	10	478651*
				3,5	10	478652*
				signal black	1,5	A 478647*
					2,5	478648*
					3,5	478649*



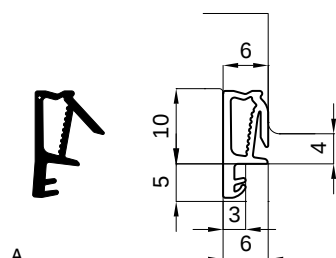
3.2.3 SC6014				L		№
SC6014				silicone	light grey	
				25	20	A 479083*

3.3 Drive gear side and below



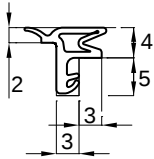
3.3.1 SC6001

			W	H		Nº
silicone	SC6001a	anthracite	2,5	2,5	20	477105
		light grey	2,5	2,5	20	476550
		signal black	2,5	2,5	20	476545
	SC6001b	anthracite	3,5	3,5	15	477104
		light grey	3,5	3,5	15	476555
		signal black	3,5	3,5	15	476551
	SC6001c	anthracite	1,5	2,5	20	477103
		light grey	1,5	2,5	20	476560
		signal black	1,5	2,5	20	476556



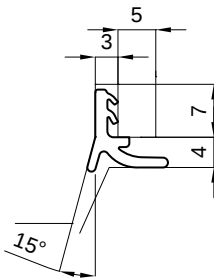
3.3.2 SC6012

			L		Nº
SC6012	silicone	light grey	25	25	479294*
		sepia brown	25	25	479293*
		signal black	25	25	479292*
					A



A

3.3.3 SC6013					L			Nº
	SC6013	silicone	light grey		25	25		479299*
			sepia brown		25	25		479298*
			signal black		25	25	A	479297*

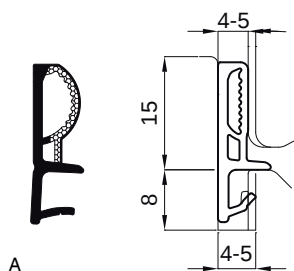
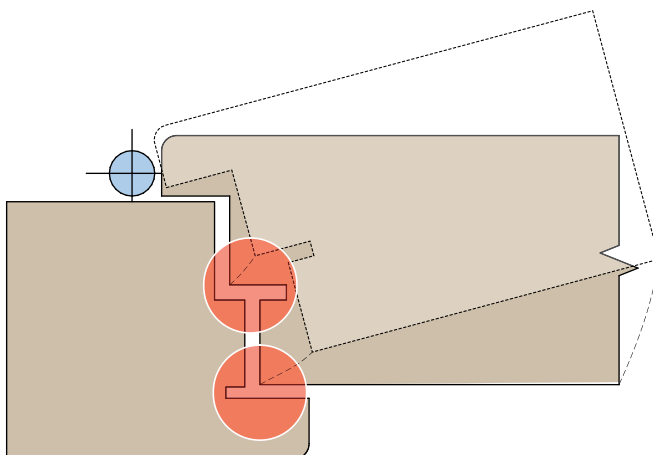


A

3.3.4 TC2024a					L			Nº
TC2024a	TPE	beige	double-stranded	(90x2)	180	180	A	477056
		sepia brown	double-stranded	(15x2)	30	30		478141
				(90x2)	180	180		477057
				6 pcs. to 30m (15x12)	180	180		478138
		signal black	double-stranded	(15x2)	30	30		478142
				(90x2)	180	180		477060
				6 pcs. to 30m (15x12)	180	180		478139
		traffic white	double-stranded	(15x2)	30	30		478143
				(90x2)	180	180		477059
				6 pcs. to 30m (15x12)	180	180		478140
		window grey	double-stranded	(90x2)	180	180		477058

4 Door

4.1 Entry door weatherseals favourable



4.1.1 TE3005b

L



Nº

TE3005b

foamed-TPE

beige

170

170

476575*

sepia brown

170

170

476573

signal black

170

170

A

476571

traffic white

170

170

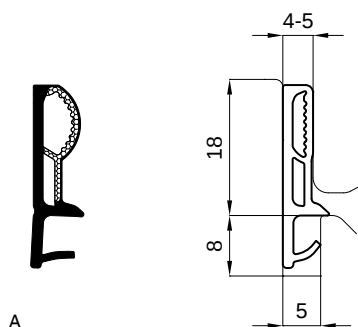
476574

window grey

170

170

476572*



4.1.2 TE3006

L



Nº

TE3006

foamed-TPE

beige

150

150

476580*

sepia brown

150

150

476578

signal black

150

150

A

476576

traffic white

150

150

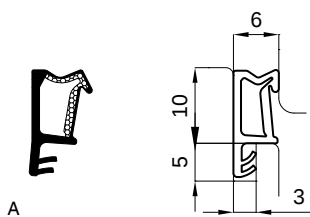
476579

window grey

150

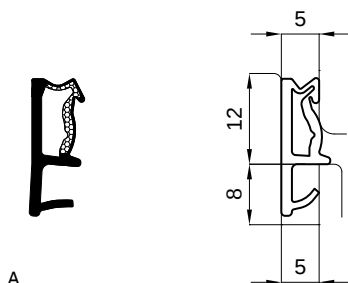
150

476577*



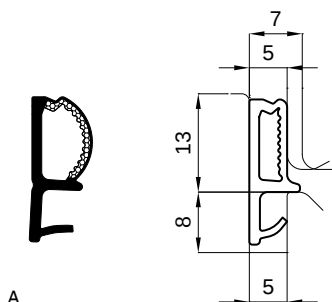
4.1.3 TE3008

			L			Nº
	TE3008	foamed-TPE	beige	230	230	A 476503
			graphite grey	230		479647*
			light grey	230	230	479434
			sepia brown	230	230	476505
			signal black	230	230	476507
			traffic white	230	230	476506
			window grey	230	230	476504



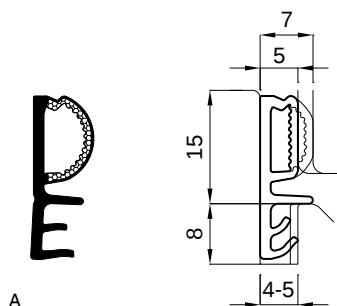
4.1.4 TE3009

			L			Nº
	TE3009	foamed-TPE	beige	200	200	A 476508
			graphite grey	200		479646
			light grey	200	200	479435*
			sepia brown	200	200	476510
			signal black	200	200	476512
			traffic white	200	200	476511
			window grey	200	200	476509

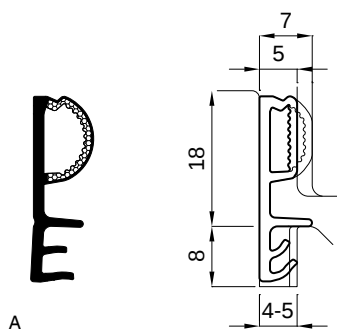


4.1.5 TE3010a

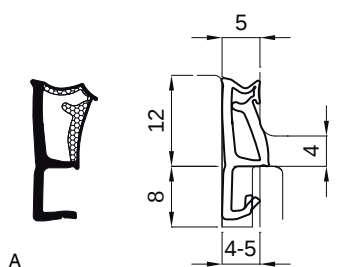
			L			Nº
	TE3010a	foamed-TPE	beige	190	190	476895*
			light grey	190	190	478048
			sepia brown	190	190	476894
			signal black	190	190	A 476891
			traffic white	190	190	476892*
			window grey	190	190	476893*



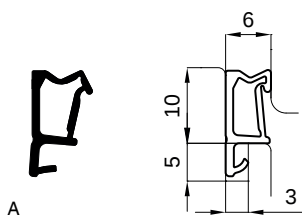
4.1.6 TE3017				L		Nº
TE3017				foamed-TPE		
				beige	120 120	478030*
				light grey	120 120	478032*
				sepia brown	120 120	478033*
				signal black	120 120	A 478029
				traffic white	120 120	478031*



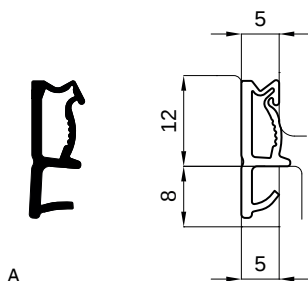
4.1.7 TE3018				L		Nº
TE3018				foamed-TPE		
				sepia brown	110 110	478036*
				signal black	110 110	A 478035*
				traffic white	110 110	478037*



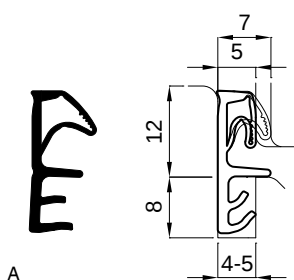
4.1.8 TE3023c				L		Nº
TE3023c				foamed-TPE		
				beige	180 180	479600
				graphite grey	180 180	479602
				sepia brown	180 180	479599
				signal black	180 180	A 479597
				traffic white	180 180	479598
				window grey	180 180	479601



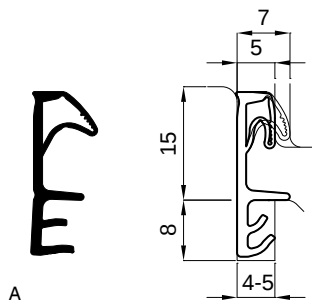
4.1.9 TC2001					L			Nº
	TC2001	TPE	beige	230	230	A		476492
			sepia brown	230	230			476494
			signal black	230	230			476496
			traffic white	230	230			476495
			window grey	230	230			476493



4.1.10 TC2002					L			Nº
	TC2002	TPE	beige	200	200	A		476497
			graphite grey	200	200			479442*
			sepia brown	200	200			476499
			signal black	200	200			476501
			traffic white	200	200			476500
			window grey	200	200			476498



4.1.11 TC2032					L			Nº
	TC2032	TPE	beige	140	140			478327*
			sepia brown	140	140			478326
			signal black	140	140	A		478325
			traffic white	140	140			478328*
			window grey	140	140			478396*



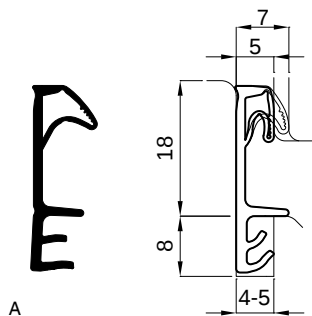
4.1.12 TC2039

L



Nº

TC2039	TPE					
		beige	120	120	A	478487*
		sepia brown	120	120		478488*
		signal black	120	120		478489
		traffic white	120	120		478490*
		window grey	120	120		478491*



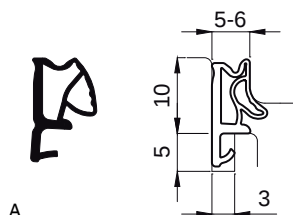
4.1.13 TC2040

L



Nº

TC2040	TPE					
		beige	100	100	A	478505*
		sepia brown	100	100		478506*
		signal black	100	100		478507*
		traffic white	100	100		478508*



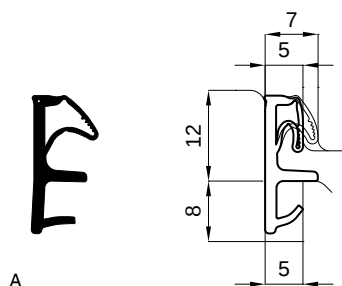
4.1.14 TC2049

L



Nº

TC2049	TPE					
		sepia brown	190	190		478881*
		signal black	190	190	A	478878*
		traffic white	190	190		478879*
		window grey	190	190		478880*



4.1.15 SC6003a

L



Nº

SC6003a

silicone

beige

140

140

A

476725

sepia brown

140

140

476726*

signal black

140

140

476729

traffic white

140

140

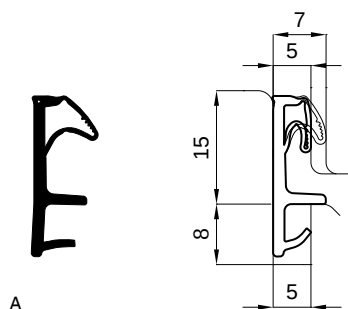
476728

window grey

140

140

476727*



4.1.16 SC6004a

L



Nº

SC6004a

silicone

beige

120

120

A

476731

sepia brown

120

120

476732*

signal black

120

120

476735

traffic white

120

120

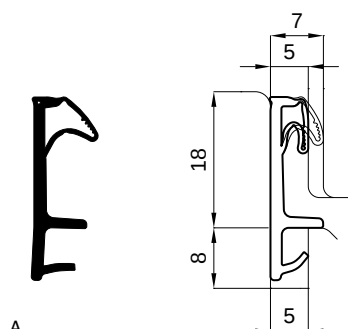
476734

window grey

120

120

476733*



4.1.17 SC6005a

L



Nº

SC6005a

silicone

beige

100

100

A

476737*

sepia brown

100

100

476738*

signal black

100

100

476741

traffic white

100

100

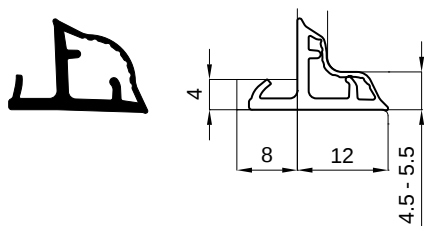
476740*

window grey

100

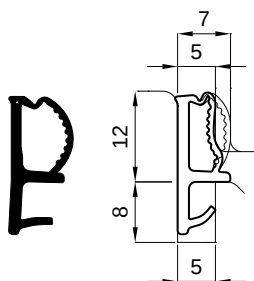
100

476739*



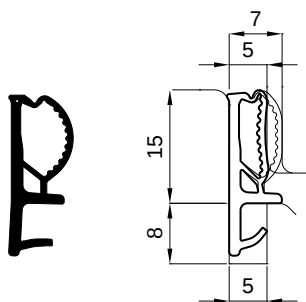
A

4.1.18 SC6006b					L		A	№
SC6006b	silicone	beige	100	100				
		sepia brown	100	100				476743*
		signal black	100	100				476744
		traffic white	100	100				476747
		window grey	100	100				476746
								476745*



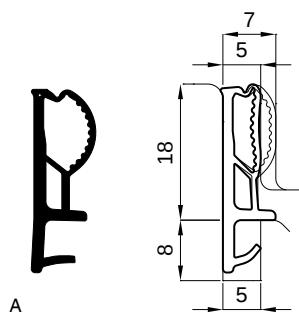
A

4.1.19 SC6007					L		A	№
SC6007	silicone	beige	140	140				
		sepia brown	140	140				477274
		signal black	140	140				477275
		traffic white	140	140				477278
		window grey	140	140				477277
								477276*



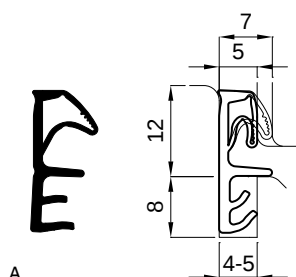
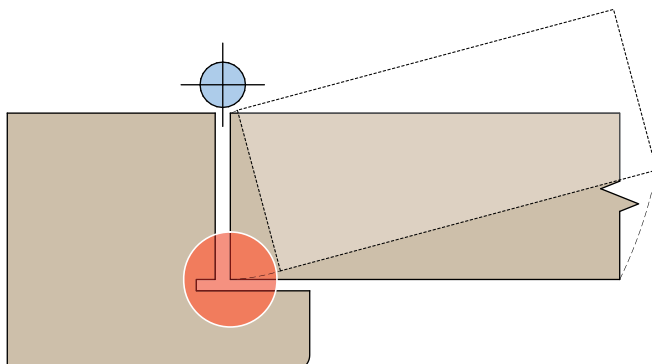
A

4.1.20 SC6008					L		A	№
SC6008	silicone	beige	120	120				
		sepia brown	120	120				477280
		signal black	120	120				477281
		traffic white	120	120				477284
		window grey	120	120				477283
								477282*



4.1.21 SC6009				L			Nº
	SC6009	silicone	beige	100	100	A	477286*
			sepia brown	100	100		477287*
			signal black	100	100		477290
			traffic white	100	100		477289*
			window grey	100	100		477288*

4.2 Entry door weatherseals unfavourable



4.2.1 TC2032

L



Nº

TC2032

TPE

beige

140

140

478327*

sepia brown

140

140

478326

signal black

140

140

A

478325

traffic white

140

140

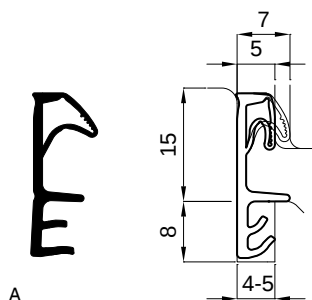
478328*

window grey

140

140

478396*



4.2.2 TC2039

L



Nº

TC2039

TPE

beige

120

120

A

478487*

sepia brown

120

120

478488*

signal black

120

120

478489

traffic white

120

120

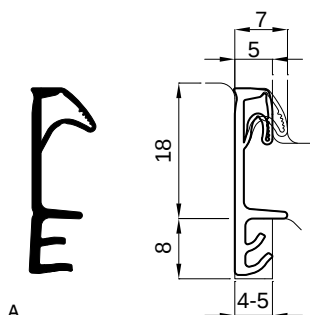
478490*

window grey

120

120

478491*



4.2.3 TC2040

L



Nº

TC2040

TPE

beige

100

100

A

478505*

sepia brown

100

100

478506*

signal black

100

100

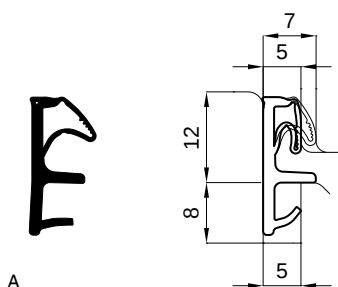
478507*

traffic white

100

100

478508*



4.2.4 SC6003a

L



Nº

SC6003a

silicone

beige

140

140

A

476725

sepia brown

140

140

476726*

signal black

140

140

476729

traffic white

140

140

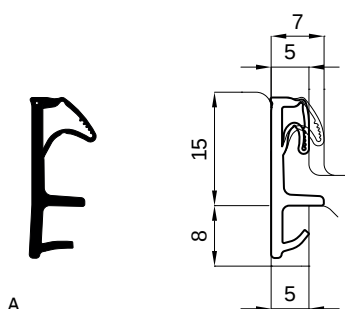
476728

window grey

140

140

476727*



4.2.5 SC6004a

L



Nº

SC6004a

silicone

beige

120

120

A

476731

sepia brown

120

120

476732*

signal black

120

120

476735

traffic white

120

120

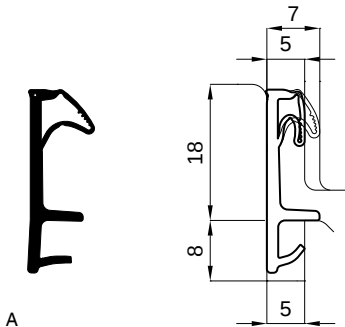
476734

window grey

120

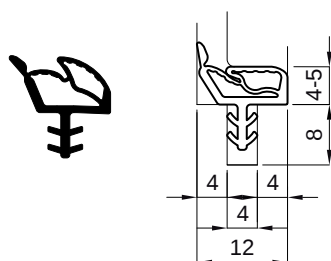
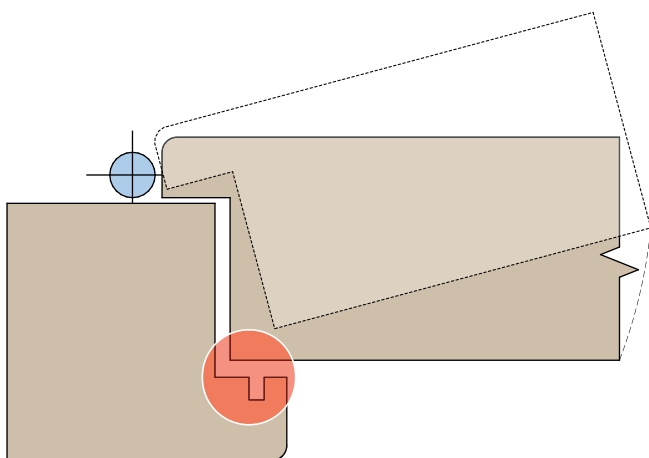
120

476733*



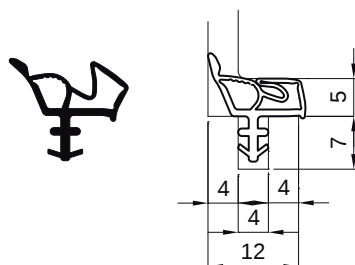
4.2.6 SC6005a					L		A	No
SC6005a					silicone			
					beige	100	100	476737*
					sepia brown	100	100	476738*
					signal black	100	100	476741
					traffic white	100	100	476740*
					window grey	100	100	476739*

4.3 Interior door weatherseals favourable



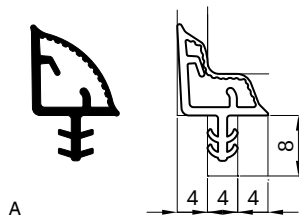
A

4.3.1 TC2013g				L		Nº
TC2013g				TPE		
				beige	25 25	478387
					130 130	A 478382
				sepia brown	25 25	478390
					130 130	478385
				signal black	25 25	478388
					130 130	478383
				traffic white	25 25	478389
					130 130	478384
				window grey	25 100	478391*
					130 130	478386*



A

4.3.2 TC2015f				L		Nº
TC2015f				TPE		
				beige	120	479637*
				light grey	120	479636*
				sepia brown	120	479638*
				traffic white	120 120	A 479635*



4.3.3 TC2022d

L



Nº

TC2022d

TPE

beige

150

150

A

476972

sepia brown

150

150

476973

signal black

150

150

476976

traffic white

150

150

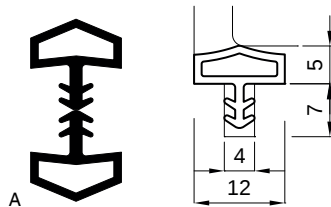
476975*

window grey

150

150

476974*



4.3.4 PC1001

L



Nº

PC1001

PVC

beige

double-stranded

(70x2)

140

140

477393*

sepia brown

double-stranded

(70x2)

140

140

477392*

signal black

double-stranded

(70x2)

140

140

477394

signal brown

double-stranded

(70x2)

140

140

A

477390*

traffic white

double-stranded

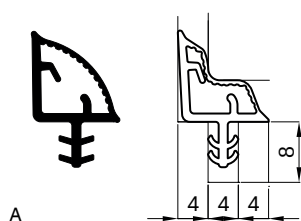
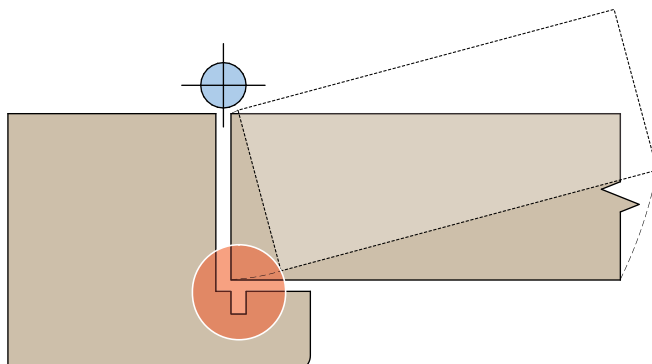
(70x2)

140

140

477391

4.4 Interior door weatherseals unfavourable



4.4.1 TC2022d					L			Nº
	TC2022d	TPE	beige		150	150	A	476972
			sepia brown		150	150		476973
			signal black		150	150		476976
			traffic white		150	150		476975*
			window grey		150	150		476974*

4.5 Floor-door weatherseals

4.5.1 Information on product safety and product liability about the floor-door weatherseals

In accordance with the manufacturer's liability for his products defined in the Product Liability Act (PHG in Austria, ProdHaftG in Germany, PrHG in Switzerland, Codice del Consumo in Italy), the following information must be heeded. Non-compliance shall release the manufacturer from this liability.

6.1. Information on the product and its intended use

Maco offers the following Floor-door weatherseals:

Smoke and sound protection; Mini, Self adjusting and Floor-door weatherseals for glass doors

Product features

Sealing systems used horizontally at the bottom of the door sash in order to close the gap between door and floor. By activating the up-and-down mechanism the weatherseal expands downwards preventing air draft and reducing noise as well as dust infiltration.

Application range

Entrance doors of different materials (Timber; PVC; metal), interior doors and glass doors

6.2. Important notes

Special notes

- i. Floor-door weatherseals are delivered in fixed lengths which can be shortened to the extent specified in the attached product data sheets. The reduction length is sufficient in order to reach the nearest smaller fixed length. The indicated reduction length must not be exceeded.
- ii. The attached product data sheet indicates the maximum lift of the floor-door weatherseals which must not be exceeded. Failure to do so may result in damaging the mechanism and thereby compromising the faultless functionality.
- iii. It is indispensable to observe the adjustment indications for every model contained in the assembly instructions in order to guarantee the correct application and to achieve the maximum performance. Incorrect installation or adjustment will result in limited performance of the floor-door weatherseals.
- iv. It is especially important to carefully choose the right floor-door weatherseal based on its properties and application range. It is recommended to always ask for professional advice of a specialist regarding the application range.

6.3. Abnormal handling and incorrect use

The recipients of the delivered goods, e.g. whoever installs, resells or uses them is obliged without exceptions to follow and apply all instructions and rules of the present information sheet.

All recipients, especially those mentioned under point 4 are obliged to inform the buyer/producer/user. In addition, it is necessary to direct the attention to the user guide and the assembly instructions.

It is advisable to highlight the risks and damages resulting from incorrect or inappropriate use of the floor-door weatherseals. An incorrect use exists when

- a) the assembly and manufacturing instructions attached to the product are not being taken into consideration
- b) The indications regarding storage and transportation are not being taken into consideration
- c) a product is being used outside of its application range or incorrectly installed
- d) the complete weatherseal or parts of it are arbitrarily cut or modified, except for modifications that follow the attached assembly and manufacturing instructions.

6.4. Information and education requirements-

Description of target groups

The indications of this document are addressed to all recipients of the product or anyone who receives, uses, resells etc. the product, without exception. The following operators are indicated as an example and the aiming is not limited to them:

6.4.1. Designers

includes all companies or persons who plan the construction of a building and therefore the installation of windows/doors/systems, floor-door weatherseal systems including installation components and products.

6.4.2. Specialist retailers

includes all companies/persons who purchase products from their respective manufacturers for resale without changing or processing the products.

6.4.3. Manufacturers of window and door elements and systems

includes all companies/persons who purchase semi-finished products from their respective manufacturers and apply additional adaptations with the scope to subsequently fabricate and install window and door elements and systems which include floor-door weatherseals.

6.4.4. Retailers of building products/installation companies

"retailers of building products" include all companies/persons who purchase windows and doors systems from the respective manufacturer and then resell and install them in a construction project without any changes to the windows/doors systems themselves.

"Installation companies" include all companies/persons who purchase windows and doors systems from their manufacturer or building product retailer in order to install them in a construction project without any changes to the window/door systems themselves.

6.4.5. Clients

include all companies/persons who require the construction of windows/door/systems to be installed in their construction project.

6.4.6. End users/users

include all people who use windows/doors/systems, also called "users".

Examples:

Beispiele:

- Designers are advised to ask the fabricators of window and door systems or MACO for the most updated available product information and to follow the instructions herein contained.
- Specialised retailers are advised to follow the most updated available product information (see point 5) and to ask MACO for technical data sheets, installation instructions, instructions for use and maintenance and to forward those to fabricators or installers of window and door systems.
- Retailers of building products/resellers/installation companies are advised to follow the relevant most updated available product information (see point 5) and to forward them when indicated to their clients and end users.

6.5. Available documentation that needs to be observed:

The following documentation contains binding provisions regarding the use and application of floor-door weatherseals.

- I. Product catalogue
- II. Instructions for installation and use included in the product packaging
- III. Instructions for use/storage/safety (when indicated)
- IV. Safety data sheets (if required)
- V. Technical product data sheets

The current version of the above-mentioned documentation can be requested in paper format from MACO or downloaded

from the download section on www.maco.com

6.6. Storage indications

- i. Do not overload packaging
- ii. store products horizontally

iii. store products in safe distance from open flames or sources of heat

iv. store products in their original packaging, even after packaging has been opened

v. Take into account storage temperature (when indicated)

vi. Do not bend the floor-door weatherseals or their packaging

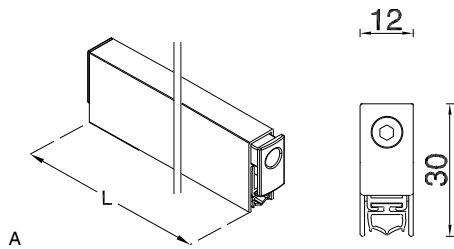
6.7. Liability exclusion

All indications and instructions contained in this document have been put together following the current rules and regulations based on the current state of the art, as well as on experience and acquired knowledge.

In order to ensure safety and appropriate use of systems for MACO floor-door weatherseals it is necessary to follow all indications contained in the documentation provided by MACO (see points 2 and 5). Not following these indications results in inappropriate use (as described in point 3) including the risk of damage to persons and property. If there are no instructions for use or application for an application not in accordance with MACO indications or for a special application required by the user the fabricator of the system is required to check the accordance with the directions of use of the product or to require such an assessment to a competent specialist. MACO is also excluded from any liability in the following circumstances:

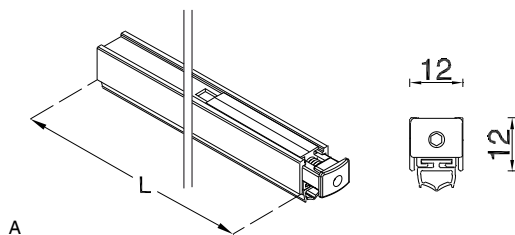
- a) when the defect is based on a legal or administrative provision which the product is bound to comply with.
- b) when at the moment of the introduction of the product in the market and on the basis of the prevailing technical principles some characteristics of the product were not known to be defects.
- c) when the defendant has produced only one element or a semi-finished product and the defect has occurred during the construction phase of the product which integrates the element or semi-finished product or when the defect results from mistakes and/or from improper procedures adopted by the producer of the systems for the assembly of MACO floor-door weatherseals.

MACO does not assume any liability for defects of operation or performance as well as damages resulting from complete or partial non-compliance of points 2, 3, 5 and 6 (in particular 2.i, ii, iii, iv, 3.a-d, 5. I,II,III,IV,V, 6. i, ii, iii, iv, v, vi.)



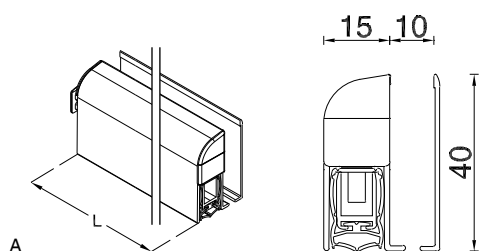
4.5.2 Self adjusting floor-door weatherseals

	L					Nº
industrial packaging	334	12	30	3 - 14	5	D13537
	459	12	30	3 - 14	5	D13538
	584	12	30	3 - 14	5	D13539
	709	12	30	3 - 14	5	D13540
	834	12	30	3 - 14	5	D13541
	959	12	30	3 - 14	5	D13542
	1.084	12	30	3 - 14	5	D13543
	1.209	12	30	3 - 14	5	D13544
unit package	334	12	30	3 - 14	1	D13530
	459	12	30	3 - 14	1	D13531
	584	12	30	3 - 14	1	D13532
	709	12	30	3 - 14	1	D13533
	834	12	30	3 - 14	1	A D10433
	959	12	30	3 - 14	1	D13534
	1.084	12	30	3 - 14	1	D13535
	1.209	12	30	3 - 14	1	D13536

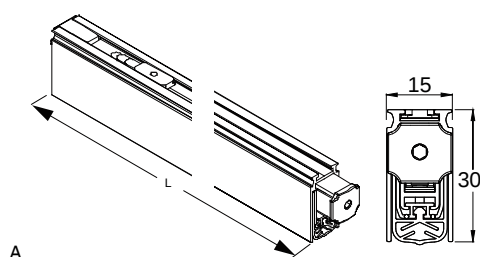


4.5.3 Floor-door weatherseals Mini

	L					Nº
industrial packaging	334	12	12	3 - 8	10	D13552
	459	12	12	3 - 8	10	D13553
	584	12	12	3 - 8	10	D13554
	709	12	12	3 - 8	10	D13555
	834	12	12	3 - 8	10	D13556
	959	12	12	3 - 8	10	D13557
	1.084	12	12	3 - 8	10	D13558
	334	12	12	3 - 8	1	D13545
unit package	459	12	12	3 - 8	1	D13546
	584	12	12	3 - 8	1	D13547
	709	12	12	3 - 8	1	D13548
	834	12	12	3 - 8	1	A D10424
	959	12	12	3 - 8	1	D13549
	1.084	12	12	3 - 8	1	D13550
	1.209	12	12	3 - 8	1	D13551

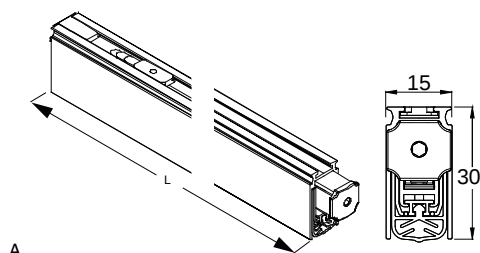


4.5.4 Floor-door weatherseals glass		L					№
unit package							
	350	15	40	3 - 14	1		454330*
	459	15	40	3 - 14	1	A	454011*
	584	15	40	3 - 14	1		454012*
	709	15	40	3 - 14	1		454013*
	834	15	40	3 - 14	1		454014*
	959	15	40	3 - 14	1		454015*
	1.084	15	40	3 - 14	1		454016*
	1.209	15	40	3 - 14	1		454017*
	1.334	15	40	3 - 14	1		454018*



4.5.5 Floor-door weatherseals 54dB		L						Nº
industrial packaging	459	15	30	3 - 15	5	A	460706 ¹	
	584	15	30	3 - 15	5		460707 ¹	
	709	15	30	3 - 15	5		460708 ¹	
	834	15	30	3 - 15	5		460709 ¹	
	959	15	30	3 - 15	5		460710 ¹	
	1.084	15	30	3 - 15	5		460711 ¹	
	1.209	15	30	3 - 15	5		460712 ¹	
	unit package	459	15	30	3 - 15	1		460713 ^{1*}
584		15	30	3 - 15	1		460714 ^{1*}	
709		15	30	3 - 15	1		460715 ^{1*}	
834		15	30	3 - 15	1		460716 ¹	
959		15	30	3 - 15	1		460717 ¹	
1.084		15	30	3 - 15	1		460718 ¹	
1.209		15	30	3 - 15	1		460719 ^{1*}	

¹ For mounting with fixing bracket item no. 460720 must be ordered in addition (fixing bracket and screws)!



4.5.6 Floor-door weatherseals 54dB with preassembled screws

L



No

industrial packaging

459

15

30

20

5

461459*

584

15

30

20

5

461460*

709

15

30

20

5

A

461461*

834

15

30

20

5

461462*

959

15

30

20

5

461463*

1.084

15

30

20

5

461464*

1.209

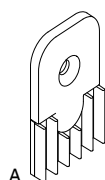
15

30

20

5

461465*



4.5.7 Phon Stop for floor-door weatherseals



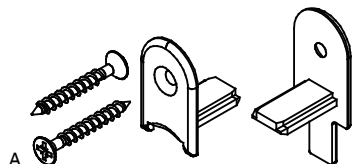
No

Phon Stop for floor-door weatherseal Maco smoke and noise protection 15x30mm - 54dB

50

A

460939



4.5.8 Fixing angle with screws



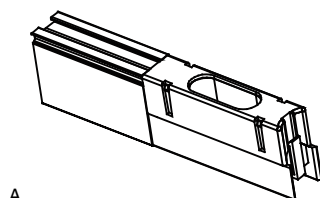
No

Fixing angle and screws for floor-door weatherseal with smoke and acoustic protection 15x30mm - 54dB

1

A

460720



4.5.9 Accessory for shootbolt for floor-door weatherseals



No

Accessory for shootbolt for floor-door weatherseals with smoke and acoustic protection 15x30mm - 54dB mod. DSD1530

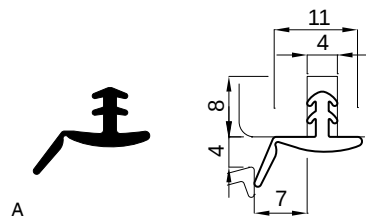
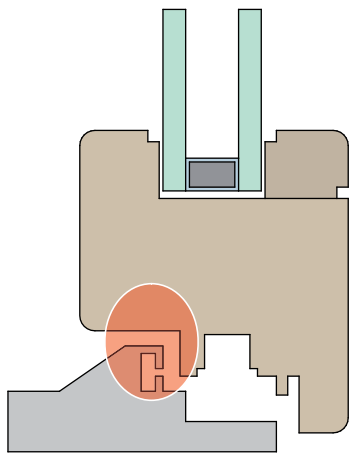
1

A

460940*

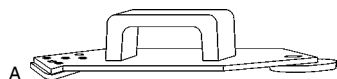


4.6 Threshold Weatherseal



4.6.1 TC2041						L		No
TC2041		TPE	signal black	180	180	A	478493	

5 Accessories weatherseals



5.1 Profile roll-in tool for glazing weatherseals



No

profile roll-in tool for glazing weatherseal

1

A

D569529*



5.2 Profile roll-in tool



No

profile roll-in tool No. 7941

1

A

D990321

profile roll-in tool No. 7921

1

B

D990323

profile roll-in tool No. 7931

1

C

D990324



A

5.3 Mitre-joint clamp DSV1521



No

mitre-joint clamp DSV1521 cutting plate for bottom stop 45°

1

A

D560163



A

5.4 Profile roll-in tool DSV1526/L



No

Profile roll-in tool DSV1526 for cutter D560163 without screw

5

A

D560155



A

5.5 Replacement blade DSV1525-I/L



No

Replacement blade for cutter DSV1521/L

10

A

473672



A

5.6 Replacement cutting plate DSV1527-I/L

Nº

Replacement cutting plate DSV1527-I/L without accessories for cutter D560163

A

473674



A

5.7 Replacement cutting plate DSV1527-III/L



Nº

Replacement cutting plate DSV1527-III/L with complete accessories for cutter D560163

5

A

473675



A

5.8 Accessory für Y-Cut DSV1528/L for frame weatherseals



Nº

Accessory for Y-cut DSV1528/L for cutting support DSV1527/L for frame weatherseals

1

A

473677*



A

5.9 Screw for cutting support DSV1527



Nº

Bolt with nut for cutting support DSV1527/L

10

A

473676*

6 Information about processing

6.1 MACO weatherseal processing methods

6.1.1 Cutting the MACO weatherseal corners - cut at 45° with a cutter - installation to a door or window



Position the plate against the stop



Cut the weatherseal in position



Remove any off cuts



Insert the weatherseal



Insertion complete



6.1.2 Cutting the MACO weatherseal corners - cut at 90° - installation to a frame



Cut the weatherseal leaving a few mm extra so that, when inserted, it exercises light pressure against the other weatherseal and thus leaves no uncovered gaps



Insert the weatherseal into the groove and push the cut part lightly against the other weatherseal, so that it leaves no uncovered gaps



For certain geometries, the ends of the weatherseals can be overlapped in the corners

6.1.3 Cutting the MACO weatherseal corners - Y cut at 45° - installation to a frame



Fit the frame accessory onto the cutter



To define the cutting point properly, adjust the slide against the stop



Cut the weatherseal in position



Y cut



Insertion complete



6.1.4 Cutting the MACO weatherseal corners - welded corners (TPE and PVC only)



Using hot welders, semi or fully automatic,



frames with 4 perfectly welded corners can be made



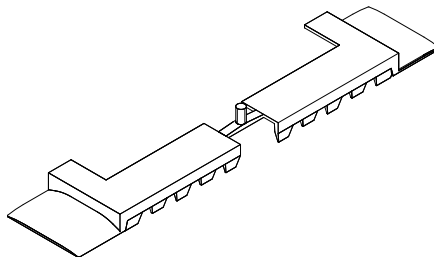
6.2 MACO weatherseal solution for the central node - double side hung window

Universal end pieces

- The universal end pieces may be used in the central node for central weatherseals on the window/door or the frame. They can also be applied to weatherseals without a special fitting for the foot.
- This absolute independence from the geometry of the weatherseal itself makes them a unique product, suited for grooves from 4 to 5 mm and 3 mm.
- They can be used on central weatherseals with a stop depth of 11 to 12 mm, and width of 12 mm and 19 mm. No adhesive is required.
- Products with both an RH and LH piece (pair of end pieces) have a single article code.

- The universal end pieces are made in TPE and in all the colours of the MACO WEATHERSEAL range.

The groove must be routed 1 mm deeper at the point of installation of the universal end piece.



For double side hung windows, the points at greatest risk of water or air getting through are between the central upright of the second panel and the top and bottom cross members (the figure shows a detailed view of the top member)



Insert the end piece and MACO weatherseal into the groove



Position the end piece properly



The end piece now covers the gap between the central upright of the second window and the top and bottom cross members (the figure shows a detailed view of the top member)



7 Directory

Nº	Unit		£ (/00 = 100 pieces)	Page
4				
454011	IT-L-2-1	1		60
454012	IT-L-2-1	1		60
454013	IT-L-2-1	1		60
454014	IT-L-2-1	1		60
454015	IT-L-2-1	1		60
454016	IT-L-2-1	1		60
454017	IT-L-2-1	1		60
454018	IT-L-2-1	1		60
454330	IT-L-2-1	1		60
460706	IT-L-2-1	5		60
460707	IT-L-2-1	5		60
460708	IT-L-2-1	5		60
460709	IT-L-2-1	5		60
460710	IT-L-2-1	5		60
460711	IT-L-2-1	5		60
460712	IT-L-2-1	5		60
460713	IT-L-2-1	1		60
460714	IT-L-2-1	1		60
460715	IT-L-2-1	1		60
460716	IT-L-2-1	1		60
460717	IT-L-2-1	1		60
460718	IT-L-2-1	1		60
460719	IT-L-2-1	1		60
460720	IT-L-2-4	1		61
460939	IT-L-2-4	50		61
460940	IT-L-2-4	1		61
461459	IT-L-2-1	5		61
461460	IT-L-2-1	5		61
461461	IT-L-2-1	5		61
461462	IT-L-2-1	5		61
461463	IT-L-2-1	5		61
461464	IT-L-2-1	5		61
461465	IT-L-2-1	5		61
463122	IT-L-1-1-6	100		31
473672	IT-S-3	10		63
473674	IT-S-3			64
473675	IT-S-3	5		64
473676	IT-S-3	10		64
473677	IT-S-3	1		64
476366	IT-I-1	170		13
476367	IT-I-1	170		13
476368	IT-I-1	170		13
476369	IT-I-1	170		13
476370	IT-I-1	170		13
476376	IT-I-1	200		21
476377	IT-I-1	200		21
476378	IT-I-1	200		21
476379	IT-I-1	200		21
476380	IT-I-1	200		21
476482	IT-I-1	120		18
476483	IT-I-1	120		18
476484	IT-I-1	120		18
476485	IT-I-1	120		18
476486	IT-I-1	120		18
476487	IT-I-1	370		22
476488	IT-I-1	370		22
476489	IT-I-1	370		22
476490	IT-I-1	370		22
476491	IT-I-1	370		22
476492	IT-I-1	230		23,46
476493	IT-I-1	230		23,46
476494	IT-I-1	230		23,46
476495	IT-I-1	230		23,46
476496	IT-I-1	230		23,46
476497	IT-I-1	200		15,46
476498	IT-I-1	200		15,46
476499	IT-I-1	200		15,46

Nº	Unit		£ (/00 = 100 pieces)	Page
476500	IT-I-1	200		15,46
476501	IT-I-1	200		15,46
476503	IT-I-1	230		23,44
476504	IT-I-1	230		23,44
476505	IT-I-1	230		23,44
476506	IT-I-1	230		23,44
476507	IT-I-1	230		23,44
476508	IT-I-1	200		14,44
476509	IT-I-1	200		14,44
476510	IT-I-1	200		14,44
476511	IT-I-1	200		14,44
476512	IT-I-1	200		14,44
476545	IT-L-1-1-8	20		41
476550	IT-L-1-1-8	20		41
476551	IT-L-1-1-8	15		41
476555	IT-L-1-1-8	15		41
476556	IT-L-1-1-8	20		41
476560	IT-L-1-1-8	20		41
476566	IT-I-1	210		14,21
476567	IT-I-1	210		14,21
476568	IT-I-1	210		14,21
476569	IT-I-1	210		14,21
476570	IT-I-1	210		14,21
476571	IT-I-1	170		22,43
476572	IT-I-1	170		22,43
476573	IT-I-1	170		22,43
476574	IT-I-1	170		22,43
476575	IT-I-1	170		22,43
476576	IT-I-1	150		22,43
476577	IT-I-1	150		22,43
476578	IT-I-1	150		22,43
476579	IT-I-1	150		22,43
476580	IT-I-1	150		22,43
476581	IT-I-1	370		24
476582	IT-I-1	370		24
476583	IT-I-1	370		24
476584	IT-I-1	370		24
476585	IT-I-1	370		24
476586	IT-I-1	370		24
476587	IT-I-1	370		24
476588	IT-I-1	370		24
476589	IT-I-1	370		24
476590	IT-I-1	370		24
476634	IT-I-1	200		15,24
476635	IT-I-1	200		15,24
476636	IT-I-1	200		15,24
476637	IT-I-1	200		15,24
476638	IT-I-1	200		15,24
476690	IT-I-1	150		16
476691	IT-I-1	150		16
476692	IT-I-1	150		16
476693	IT-I-1	150		16
476694	IT-I-1	150		16
476695	IT-I-1	150		16,25
476696	IT-I-1	150		16,25
476697	IT-I-1	150		16,25
476698	IT-I-1	150		16,25
476699	IT-I-1	150		16,25
476725	IT-I-4	140		48,52
476726	IT-I-4	140		48,52
476727	IT-I-4	140		48,52
476728	IT-I-4	140		48,52
476729	IT-I-4	140		48,52
476731	IT-I-4	120		48,52
476732	IT-I-4	120		48,52
476733	IT-I-4	120		48,52
476734	IT-I-4	120		48,52
476735	IT-I-4	120		48,52
476737	IT-I-4	100		48,53



Nº	Unit		£ (/00 = 100 pieces)	Page
476738	IT-I-4	100	48,53	
476739	IT-I-4	100	48,53	
476740	IT-I-4	100	48,53	
476741	IT-I-4	100	48,53	
476743	IT-I-4	100	38,49	
476744	IT-I-4	100	38,49	
476745	IT-I-4	100	38,49	
476746	IT-I-4	100	38,49	
476747	IT-I-4	100	38,49	
476879	IT-I-1	220	26	
476880	IT-I-1	220	26	
476881	IT-I-1	220	26	
476882	IT-I-1	220	26	
476883	IT-I-1	220	26	
476885	IT-I-1	200	17	
476886	IT-I-1	200	17	
476887	IT-I-1	200	17	
476888	IT-I-1	200	17	
476889	IT-I-1	200	17	
476891	IT-I-1	190	44	
476892	IT-I-1	190	44	
476893	IT-I-1	190	44	
476894	IT-I-1	190	44	
476895	IT-I-1	190	44	
476900	IT-I-1	180	27	
476901	IT-I-1	180	27	
476902	IT-I-1	180	27	
476903	IT-I-1	180	27	
476904	IT-I-1	180	27	
476906	IT-I-1	210	27	
476907	IT-I-1	210	27	
476908	IT-I-1	210	27	
476909	IT-I-1	210	27	
476910	IT-I-1	210	27	
476912	IT-I-1	130	28	
476913	IT-I-1	130	28	
476914	IT-I-1	130	28	
476915	IT-I-1	130	28	
476916	IT-I-1	130	28	
476972	IT-I-3	150	55,56	
476973	IT-I-3	150	55,56	
476974	IT-I-3	150	55,56	
476975	IT-I-3	150	55,56	
476976	IT-I-3	150	55,56	
476983	IT-L-1-1-6	100	32	
476984	IT-L-1-1-6	100	32	
476985	IT-L-1-1-6	100	32	
476986	IT-L-1-1-6	100	32	
476987	IT-L-1-1-6	100	32	
476988	IT-L-1-1-6	100	32	
476989	IT-L-1-1-6	100	32	
476990	IT-L-1-1-6	100	32	
476991	IT-L-1-1-6	100	32	
476992	IT-L-1-1-6	100	32	
476993	IT-L-1-1-6	100	31	
476994	IT-L-1-1-6	100	31	
476995	IT-L-1-1-6	100	31	
476996	IT-L-1-1-6	100	31	
476997	IT-L-1-1-6	100	31	
476998	IT-L-1-1-6	100	30	
476999	IT-L-1-1-6	100	30	
477000	IT-L-1-1-6	100	30	
477001	IT-L-1-1-6	100	30	
477002	IT-L-1-1-6	100	30	
477003	IT-L-1-1-6	100	30	
477004	IT-L-1-1-6	100	30	
477005	IT-L-1-1-6	100	30	
477006	IT-L-1-1-6	100	30	
477007	IT-L-1-1-6	100	30	
477050	IT-L-1-1-7	180	39	
477051	IT-L-1-1-7	180	39	
477052	IT-L-1-1-7	180	39	
477053	IT-L-1-1-7	180	39	

Nº	Unit		£ (/00 = 100 pieces)	Page
477054	IT-L-1-1-7	180	39	
477056	IT-L-1-1-7	180	42	
477057	IT-L-1-1-7	180	42	
477058	IT-L-1-1-7	180	42	
477059	IT-L-1-1-7	180	42	
477060	IT-L-1-1-7	180	42	
477103	IT-L-1-1-8	20	41	
477104	IT-L-1-1-8	15	41	
477105	IT-L-1-1-8	20	41	
477227	IT-I-1	180	16	
477274	IT-I-4	140	49	
477275	IT-I-4	140	49	
477276	IT-I-4	140	49	
477277	IT-I-4	140	49	
477278	IT-I-4	140	49	
477280	IT-I-4	120	49	
477281	IT-I-4	120	49	
477282	IT-I-4	120	49	
477283	IT-I-4	120	49	
477284	IT-I-4	120	49	
477286	IT-I-4	100	50	
477287	IT-I-4	100	50	
477288	IT-I-4	100	50	
477289	IT-I-4	100	50	
477290	IT-I-4	100	50	
477390	IT-I-3	140	55	
477391	IT-I-3	140	55	
477392	IT-I-3	140	55	
477393	IT-I-3	140	55	
477394	IT-I-3	140	55	
477396	IT-I-1	180	14	
477397	IT-I-1	180	14	
477398	IT-I-1	180	14	
477399	IT-I-1	180	14	
477400	IT-I-1	180	14	
477402	IT-I-1	190	23	
477403	IT-I-1	190	23	
477404	IT-I-1	190	23	
477405	IT-I-1	190	23	
477406	IT-I-1	190	23	
477408	IT-I-1	180	25	
477409	IT-I-1	180	25	
477410	IT-I-1	180	25	
477411	IT-I-1	180	25	
477412	IT-I-1	180	25	
477414	IT-I-1	200	25	
477415	IT-I-1	200	25	
477861	IT-I-1	300	34	
477862	IT-I-1	250	34	
477866	IT-I-1	140	26	
477867	IT-I-1	140	26	
477868	IT-I-1	140	26	
477869	IT-L-1-1-7	140	26	
477870	IT-L-1-1-7	140	26	
477885	IT-I-1	120	18	
477886	IT-I-1	120	18	
477887	IT-I-1	120	18	
477889	IT-I-1	170	15	
477890	IT-I-1	170	15	
477891	IT-I-1	170	15	
477955	IT-I-1	300	35	
477956	IT-I-1	300	35	
477957	IT-I-1	300	35	
477958	IT-I-1	300	35	
477959	IT-I-1	300	35	
477962	IT-I-1	160	19	
477964	IT-I-1	160	19	
477990	IT-I-1	160	19	
477991	IT-I-1	160	19	
477992	IT-I-1	160	19	
478029	IT-I-2	120	45	
478030	IT-I-2	120	45	
478031	IT-I-2	120	45	



Nº	Unit		£ (/00 = 100 pieces)	Page
478032	IT-I-2	120		45
478033	IT-I-2	120		45
478035	IT-I-2	110		45
478036	IT-I-2	110		45
478037	IT-I-2	110		45
478047	IT-I-1	200	15,24	
478048	IT-I-1	190		44
478049	IT-I-1	130		28
478102	IT-I-1	100		28
478133	IT-L-1-1-7	180		39
478134	IT-L-1-1-7	180		39
478135	IT-L-1-1-7	15		39
478136	IT-L-1-1-7	15		39
478137	IT-L-1-1-7	15		39
478138	IT-L-1-1-7	180		42
478139	IT-L-1-1-7	180		42
478140	IT-L-1-1-7	180		42
478141	IT-L-1-1-7	30		42
478142	IT-L-1-1-7	30		42
478143	IT-L-1-1-7	30		42
478153	IT-I-1	150		28
478187	IT-I-1	200		29
478197	IT-I-1	250		33
478198	IT-I-1	250		33
478199	IT-I-1	250		33
478200	IT-I-1	250		33
478202	IT-I-1	300		33
478203	IT-I-1	300		33
478204	IT-I-1	300		33
478205	IT-I-1	300		33
478325	IT-I-2	140	46,51	
478326	IT-I-2	140	46,51	
478327	IT-I-2	140	46,51	
478328	IT-I-2	140	46,51	
478382	IT-I-3	130	54	
478383	IT-I-3	130	54	
478384	IT-I-3	130	54	
478385	IT-I-3	130	54	
478386	IT-I-3	130	54	
478387	IT-I-3	25	54	
478388	IT-I-3	25	54	
478389	IT-I-3	25	54	
478390	IT-I-3	25	54	
478391	IT-I-3	100	54	
478396	IT-I-2	140	46,51	
478399	IT-I-1		20	
478400	IT-I-1	120	20	
478401	IT-I-1	120	20	
478402	IT-I-1	120	20	
478487	IT-I-2		47,51	
478488	IT-I-2	120	47,51	
478489	IT-I-2	120	47,51	
478490	IT-I-2	120	47,51	
478491	IT-I-2	120	47,51	
478493	IT-I-1	180	62	
478495	IT-I-1	300	35	
478505	IT-I-2	100	47,52	
478506	IT-I-2	100	47,52	
478507	IT-I-2	100	47,52	
478508	IT-I-2	100	47,52	
478514	IT-I-1	180	36	
478515	IT-I-1	180	36	
478573	IT-I-1	100	20	
478647	IT-L-1-1-5	10	40	
478648	IT-L-1-1-5	10	40	
478649	IT-L-1-1-5	10	40	
478650	IT-L-1-1-5	10	40	
478651	IT-L-1-1-5	10	40	
478652	IT-L-1-1-5	10	40	
478672	IT-I-1	300	19,23	
478673	IT-I-1	300	19,23	
478777	IT-L-1-1-6	100	31	
478778	IT-L-1-1-6	100	31	

Nº	Unit		£ (/00 = 100 pieces)	Page
478779	IT-L-1-1-6	100		31
478780	IT-L-1-1-6	100		31
478781	IT-L-1-1-6	100		31
478878	IT-I-1	190	26,47	
478879	IT-I-1	190	26,47	
478880	IT-I-1	190	26,47	
478881	IT-I-1	190	26,47	
479001	IT-I-1	210	14,21	
479002	IT-I-1	300	35	
479083	IT-I-4	20	38,40	
479272	IT-I-4	200	37	
479273	IT-I-4	200	37	
479292	IT-I-4	25	17,41	
479293	IT-I-4	25	17,41	
479294	IT-I-4	25	17,41	
479297	IT-I-4	25	42	
479298	IT-I-4	25	42	
479299	IT-I-4	25	42	
479308	IT-I-1	180	19	
479309	IT-I-1	180	19	
479310	IT-I-1	180	19	
479339	IT-I-1	180	29	
479340	IT-I-1	180	29	
479341	IT-I-1	180	29	
479349	IT-I-1	120	18	
479434	IT-I-1	230	23,44	
479435	IT-I-1	200	14,44	
479441	IT-I-1	370	24	
479442	IT-I-1	200	15,46	
479478	IT-I-1	200	35	
479479	IT-I-1	200	35	
479480	IT-I-1	200	35	
479549	IT-I-1	160	19	
479550	IT-I-1	200	25	
479551	IT-I-1	200	29	
479596	IT-I-1		22	
479597	IT-I-1	180	13,45	
479598	IT-I-1	180	13,45	
479599	IT-I-1	180	13,45	
479600	IT-I-1	180	13,45	
479601	IT-I-1	180	13,45	
479602	IT-I-1	180	13,45	
479635	IT-I-3	120	54	
479636	IT-I-3		54	
479637	IT-I-3		54	
479638	IT-I-3		54	
479646			14,44	
479647	IT-I-1		23,44	

D

D10424	IT-L-2-2	1	59
D10433	IT-L-2-3	1	59
D13530	IT-L-2-3	1	59
D13531	IT-L-2-3	1	59
D13532	IT-L-2-3	1	59
D13533	IT-L-2-3	1	59
D13534	IT-L-2-3	1	59
D13535	IT-L-2-3	1	59
D13536	IT-L-2-3	1	59
D13537	IT-L-2-3	5	59
D13538	IT-L-2-3	5	59
D13539	IT-L-2-3	5	59
D13540	IT-L-2-3	5	59
D13541	IT-L-2-3	5	59
D13542	IT-L-2-3	5	59
D13543	IT-L-2-3	5	59
D13544	IT-L-2-3	5	59
D13545	IT-L-2-2	1	59
D13546	IT-L-2-2	1	59
D13547	IT-L-2-2	1	59
D13548	IT-L-2-2	1	59
D13549	IT-L-2-2	1	59
D13550	IT-L-2-2	1	59



№	Unit		£	Page
			(/00 = 100 pieces)	
D13551	IT-L-2-2	1		59
D13552	IT-L-2-2	10		59
D13553	IT-L-2-2	10		59
D13554	IT-L-2-2	10		59
D13555	IT-L-2-2	10		59
D13556	IT-L-2-2	10		59
D13557	IT-L-2-2	10		59
D13558	IT-L-2-2	10		59
D560155	IT-S-3	5		63
D560163	IT-S-3	1		63
D569529	IT-S-3	1		63
D990321	IT-S-3	1		63
D990323	IT-S-3	1		63
D990324	IT-S-3	1		63

**MACO DOOR & WINDOW
HARDWARE(U.K.) LTD**
Eurolink Industrial Centre
Castle Road
Sittingbourne, Kent. ME10 3LY
phone +44 1795 433900
fax +44 1795 433902
enquiry@macouk.net
www.macouk.net

Satisfied?

We appreciate your
feedback@maco.eu

Order.-No. 757507 – Date: January 2020
All rights reserved and subject to change.

This print document is revised regularly.
The latest version is available at
<http://www.maco.eu/sites/assets/MacoDocs/757506/757507.pdf>
or scan the QR code.

