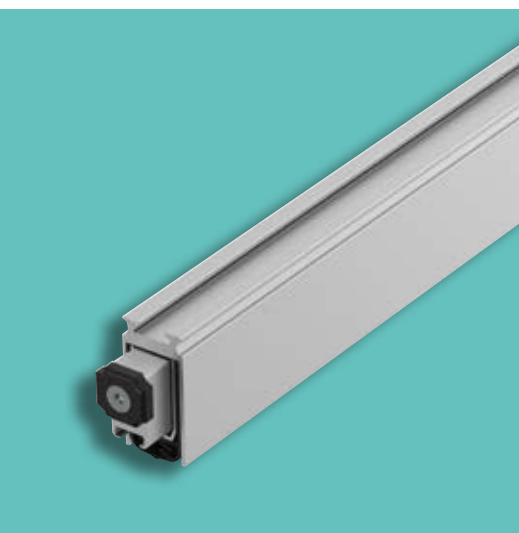




TECHNOLOGY IN MOTION

MACO ADAPTA

WEATHERSEALS FOR WINDOWS, DOORS,
LIFT AND SLIDE SYSTEMS



CATALOGUE

N_o Item number



Packing unit



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



Overall component length



Groove width



Width



Height



Door sill gasket width



Door sill gasket height



Air gap covered by floor-door-gasket

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1 General information

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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.

1.1.1 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)

1.1.2 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.

1.1.3 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

1.1.4 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:

1.1.4.1 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.

1.1.4.2 Specialist retailers

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

1.1.4.3 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.

1.1.4.4 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.

1.1.4.5 Clients

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

1.1.4.6 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.

1.1.4.7 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.

1.1.5 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

1.1.6 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	
graphite grey	
window grey	
light grey	
traffic white	
beige	
sepia brown	

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

Attention: The variety of the colour range does not automatically imply that each profile will be available in these colors.

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.

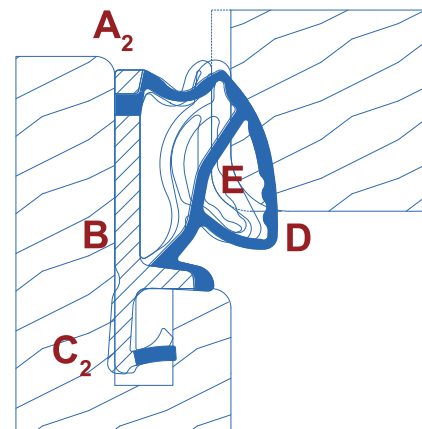
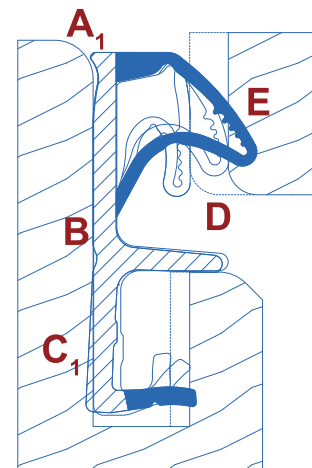
A - Simple processing, by the use of a hard back ($_1$) and the integration of a barrier of elongation ($_2$), the weatherseal can be clipped easily.

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.



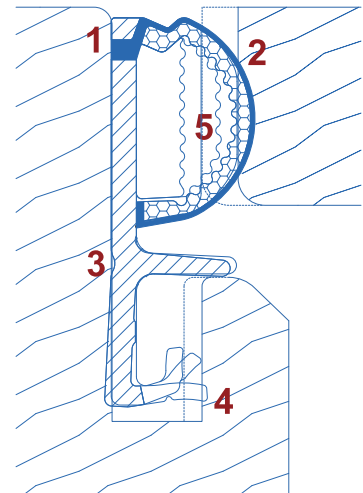
1.3.2 Characteristics of MACO weatherseals in TE expanded thermoplastic elastomer

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

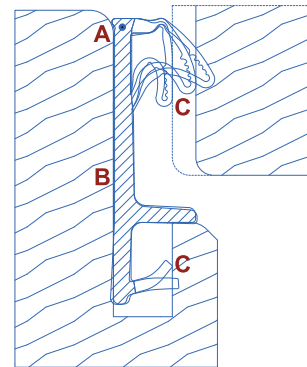
Mono-extruded vulcanised silicone weatherseals are suited for both simple and complex geometrical forms, and offer a soft and effective weatherseal. MACO SC weatherseals are also available in a co-extruded version, with a more rigid back which facilitates insertion into the groove. Given the high elasticity 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/

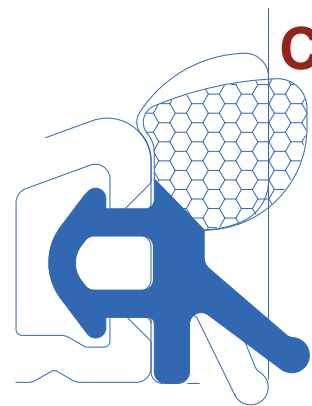
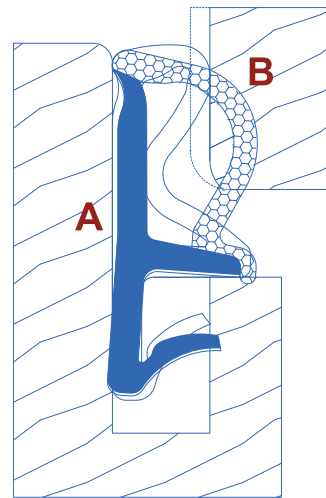
rigid component. The expanded functional section may also be coloured, so long as the weatherseal is not constantly exposed to UV.

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 $-40^{\circ}\text{C}/+120^{\circ}\text{C}$ 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.



1.4 Choosing KOMO Quality = choosing certainty. Worldwide.

KOMO guarantees that the quality has been objectively tested by independent experts. On the basis of predetermined, generally accepted requirements.

KOMO Quality Mark: international guarantee since 1962

Every product for a building or infrastructure sector that is provided under KOMO certification meets very strict quality requirements*. Only when accredited, independent certification institutions repeatedly confirm that it meets all requirements is such a product permitted to carry the KOMO Quality Mark.

The stringent, internationally valid and maintained rules concerning KOMO certification schemes determine the added value of products** that come with a KOMO Quality Mark. That's why KOMO quality always provides certainty. Worldwide.

() Requirements for KOMO certification are drawn up in advance by special Committees of Experts, in which all interested parties are represented. The requirements are described in an Assessment Directive (Dutch: BRL).*

*(**) Besides the benefits for products (all building and infrastructure products, raw and auxiliary materials), KOMO certification also creates additional value for building processes, building systems, realization processes, services, management systems and innovations in the building and infrastructure sector.*

The KOMO Quality Mark shows objectively tested quality

The KOMO Quality Mark is everything that the CE marking is not. And vice versa. So KOMO and CE complement each other perfectly. CE acts as a kind of passport through which a product is allowed to be placed on the market in the European Union and associated countries. And with the KOMO Quality Mark you convince buyers through the proof of objectively determined quality obtained from repeated tests. Worldwide.

The KOMO promise in 48 countries

Every KOMO certified product meets all of the high standards of quality required by the legislation and regulations applicable in the Netherlands within the building and infrastructure sector, these being the Dutch Building Decree plus all international regulations that apply in the Netherlands (and in most other EU countries);

As a result, products with a KOMO Quality Mark achieve a quality level that is internationally recognized and acknowledged and that offers certainty to buyers;

The KOMO Quality Mark is carried in 48 countries throughout the world, on almost all continents and in the most diverse pro-

duct ranges of the building and infrastructure sector, because there is a demand for an objective, universal quality standard everywhere — even if this does not officially match the legislation currently in force at the location.

You find KOMO certificate holders worldwide in some 48 countries. They are ambitious companies that invest in objectively determined quality. In the quality of their KOMO certified product(s) and at the same time, in their internal quality control. This way they can always supply the very best for building and infrastructure. In everyone's interest.

There are approximately 4.300 KOMO certificate holders in Austria, Belarus, Belgium, Bosnia, Brazil, Cameroon, Chile, China, Colombia, Costa Rica, Czech Republic, Denmark, Estonia, Finland, France, Gabon, Germany, Great Britain, Greece, Hungary, Ireland, India, Indonesia, Iran, Israel, Italy, Latvia, Liechtenstein, Luxembourg, Malaysia, Morocco, the Netherlands, Norway, Peru, Poland, Russia, Serbia, Singapore, Slovakia, Suriname, Sweden, Switzerland, Taiwan, Thailand, Turkey, Ukraine, United States and Vietnam.

For producers of raw materials and materials for buildings and infrastructures:

Do you produce one or more raw materials and/or materials for the building industry and infrastructure sector under KOMO certification? In that case, you actively distinguish yourself from other suppliers by maintaining the highest quality standards. This way your products immediately acquire a preferential position within the market for building and infrastructure projects in the Netherlands (it complies with the legislation and regulations applicable in the Netherlands and with all requirements of professional market parties).

Outside the Netherlands, KOMO certification plays a major role as important, internationally valued designation. In addition to a decisive competitive advantage in relation to Dutch buyers, with the KOMO Quality Mark you also acquire a profiling tool for other markets.



2 Information about processing

2.1 MACO weatherseal solution for the central node - double side hung window _____ 16

2 Information about processing

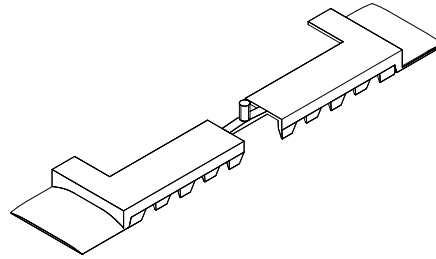
2.1 MACO weatherseal solution for the central node - double side hung window

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 ADAPTA range.

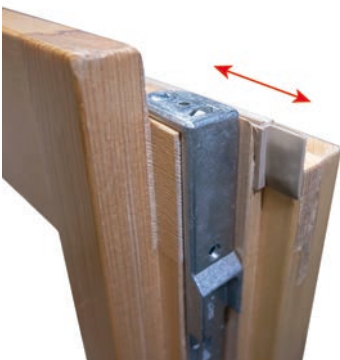
The groove must be routed 1 mm deeper at the point of installation of the universal end piece.



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



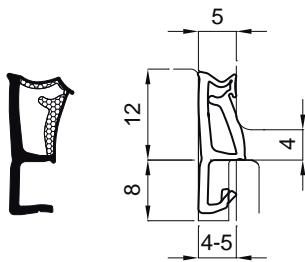
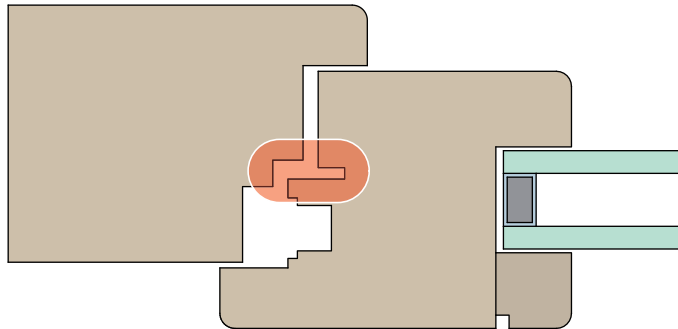
The end piece now covers the gap between the central upright of the second window and the top and bottom cross members (the figure shows a detailed view of the top member)

3 Window

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3 Window

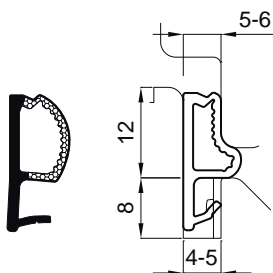
3.1 Sash rebate weatherseals



479597


3.1.1 TE3023c

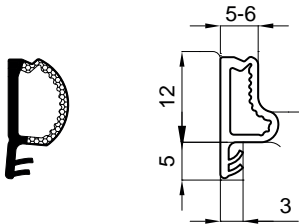
			L		No
TE3023c	foamed-TPE	sample	6	6	479603
		beige	180	180	479600
		graphite grey	180	180	479602
		sepia brown	180	180	479599
		signal black	180	180	479597
		traffic white	180	180	479598
		window grey	180	180	479601




476366

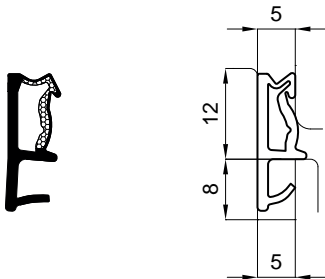
3.1.2 TE3003b

			L		No
TE3003b	foamed-TPE	sample	6	6	476675
		beige	170	170	476367*
		light grey	170	170	479919
		sepia brown	170	170	476368
		signal black	170	170	476370
		traffic white	170	170	476369
		window grey	170	170	476366*




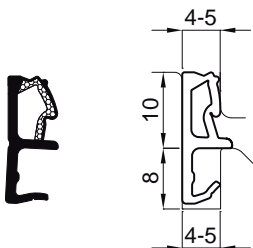
476566

3.1.3 TE3004			L		N ^o
TE3004	foamed-TPE	sample	6	6	476677
		beige	210	210	476570
		light grey	210	210	479001
		sepia brown	210	210	476568
		signal black	210	210	476566
		traffic white	210	210	476569
		window grey	210	210	476567




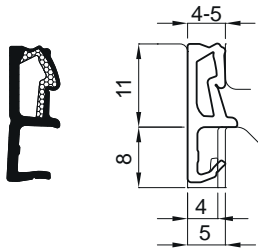
476508

3.1.4 TE3009			L		N ^o
TE3009	foamed-TPE	sample	6	6	476681
		beige	200	200	476508
		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



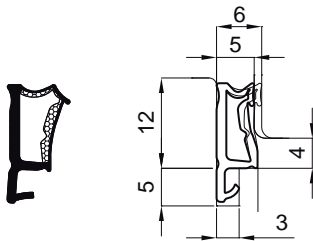
477396

3.1.5 TE3011b			L		N ^o
TE3011b	foamed-TPE	sample	6	6	477401
		beige	180	180	477399
		sepia brown	180	180	477398
		signal black	180	180	477396
		traffic white	180	180	477397
		window grey	180	180	477400



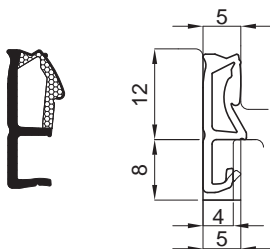
477889

3.1.6 TE3013d			L		No
TE3013d	foamed-TPE	sample	6	6	477892
		sepia brown	170	170	477890
		signal black	170	170	477889
		traffic white	170	170	477891
		window grey	170	170	479750



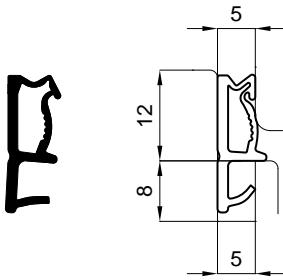
479997

3.1.7 TE3025			L		No
TE3025	foamed-TPE	sample	6	6	480003
		beige	200	200	480001*
		graphite grey	200	200	479998*
		light grey	200	200	480000*
		sepia brown	200	200	480002*
		signal black	200	200	480970*
		traffic white	200	200	479997*




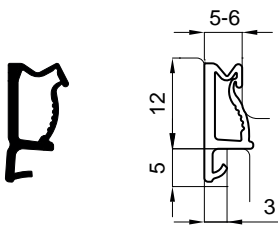
480501

3.1.8 TE3031			L		No
TE3031	foamed-TPE	sample	6	6	480504
		sepia brown	180	180	480503
		signal black	180	180	480501
		traffic white	180	180	480502




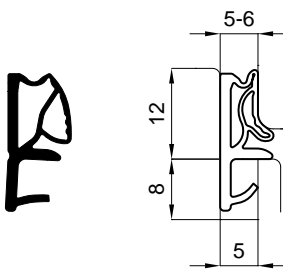
476497

3.1.9 TC2002			L		Nº
TC2002	compact-TPE	sample	6	6	476670
		beige	200	200	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




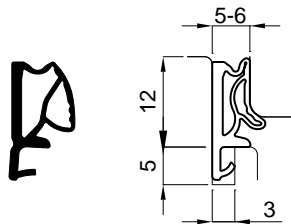
476634

3.1.10 TC2003			L		Nº
TC2003	compact-TPE	sample	6	6	476682
		beige	200	200	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




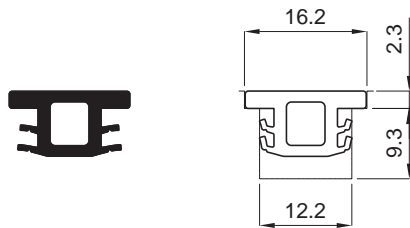
476690

3.1.11 TC2017			L		Nº
TC2017	compact-TPE	sample	6	6	477147
		beige	150	150	476690*
		sepia brown	150	150	476691
		signal black	150	150	476694
		traffic white	150	150	476693
		window grey	150	150	476692




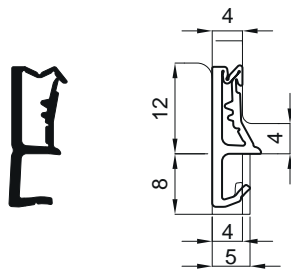
476695

3.1.12 TC2018				L		Nº
TC2018	compact-TPE	sample		6	6	477148
			beige	150	150	476695
			sepia brown	150	150	476696
			signal black	150	150	476699
			traffic white	150	150	476698
			window grey	150	150	476697




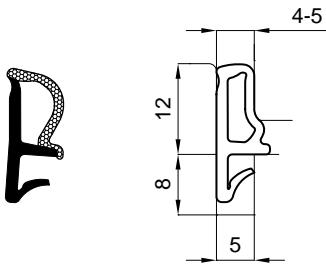
477227

3.1.13 TC2025b				L		Nº
TC2025b	compact-TPE	sample		6	6	477297
				180	180	477227




480444

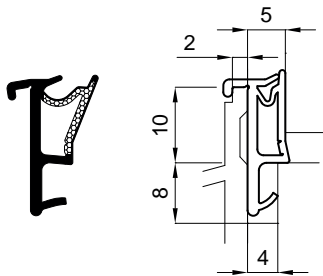
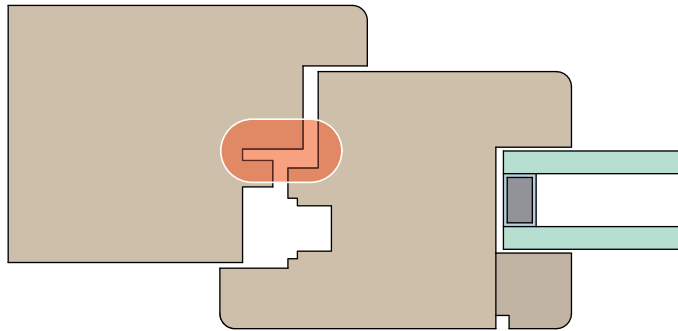
3.1.14 TC2062				L		Nº
TC2062	compact-TPE	sample		6	6	480446
			sepia brown	160	160	480444
			signal black	160	160	480720
			traffic white	160	160	480445



476885


3.1.15 EE5002			L		Nº
EE5002	Expanded EPDM	sample	6	6	476890
		beige	200	200	476889*
		sepia brown	200	200	476888*
		signal black	200	200	476885
		traffic white	200	200	476886*
		window grey	200	200	476887*

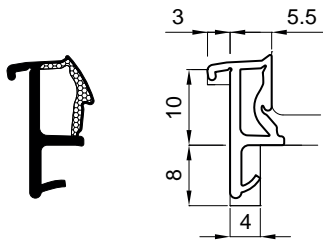
3.2 Frame weatherseals



476482


3.2.1 TE3002a

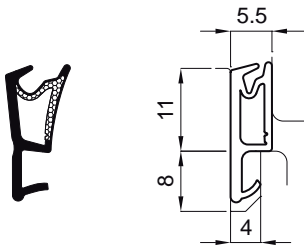
			L		Nº
TE3002a	foamed-TPE	sample	6	6	476674
		beige	120	120	476482*
		sepia brown	120	120	476484
		signal black	120	120	476486
		traffic white	120	120	476485
		window grey	120	120	476483*



477885

3.2.2 TE3014

			L		Nº
TE3014	foamed-TPE	sample	6	6	477888
		sepia brown	120	120	477886
		signal black	120	120	477885
		traffic white	120	120	477887
		window grey	120	120	479349



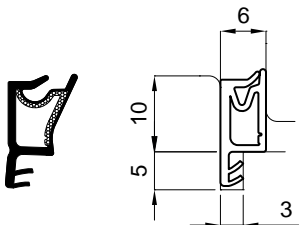
477962

3.2.3 TE3015a



No

TE3015a	foamed-TPE	sample	L		No
			6	6	477963
			160	160	477992*
			160	160	477990
			160	160	477991
			160	160	477962
			160	160	477964
			160	160	479549



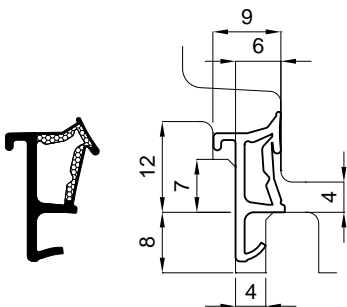
479308

3.2.4 TE3021



No

TE3021	foamed-TPE	sample	L		No
			6	6	479311
			180	180	479309*
			180	180	479308
			180	180	479310



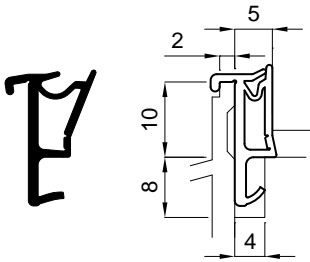
480111

3.2.5 TE3024




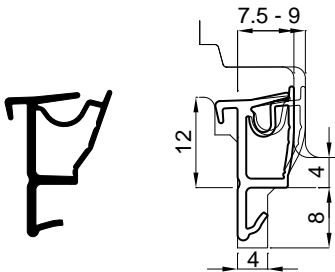
No

TE3024	foamed-TPE	sample	L		No
			6	6	480112
			120	120	480111




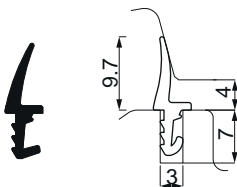
478400

3.2.6 TC2037			L		No
TC2037	compact-TPE	sample	6	6	478403
		sepia brown	120	120	478400
		signal black	120	120	478402
		traffic white	120	120	478401




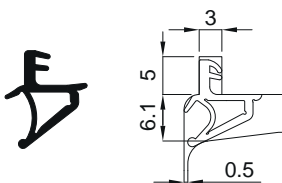
478573

3.2.7 TC2045			L		No
TC2045	compact-TPE	sample	6	6	479041
		signal black	100	100	478573




480235

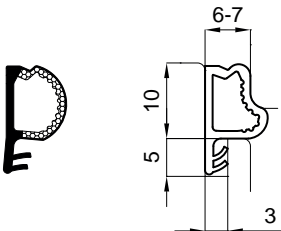
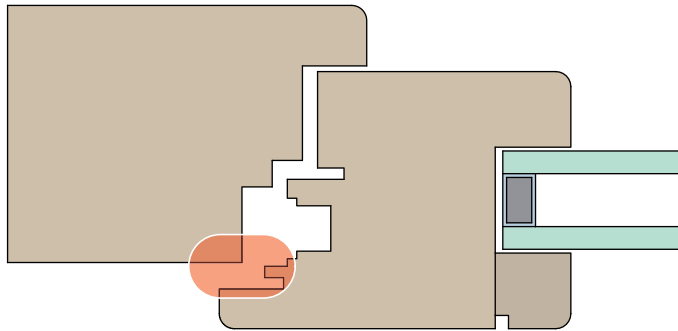
3.2.8 TC2061b			L		No
TC2061b	compact-TPE	sample	6	6	480237
		sepia brown	500	500	480235*
		traffic white	500	500	480236*



480382


3.2.9 SC6015a			L		No
SC6015a	compact silicone	sample	6	6	480384
		signal black	180	180	480382
		traffic white	180	180	480383*

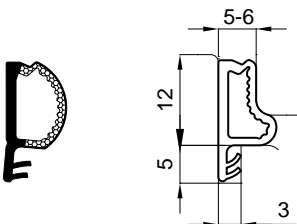
3.3 Overlap weatherseals



476376


3.3.1 TE3001

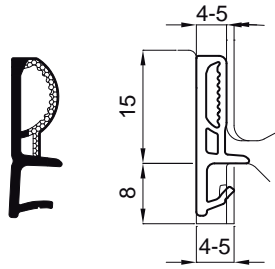
			L		N ^o
TE3001	foamed-TPE	sample	6	6	476673
		beige	200	200	476377
		light grey	200	200	480034*
		sepia brown	200	200	476378
		signal black	200	200	476380
		traffic white	200	200	476379
		window grey	200	200	476376




476566

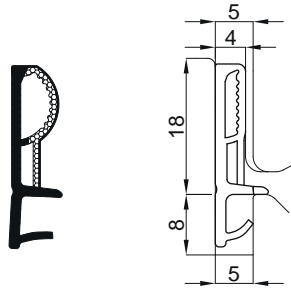
3.3.2 TE3004

			L		N ^o
TE3004	foamed-TPE	sample	6	6	476677
		beige	210	210	476570
		light grey	210	210	479001
		sepia brown	210	210	476568
		signal black	210	210	476566
		traffic white	210	210	476569
		window grey	210	210	476567




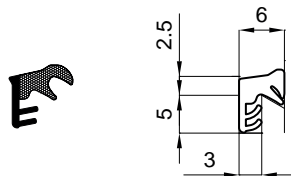
476571

3.3.3 TE3005b			L		Nº
TE3005b	foamed-TPE	sample	6	6	476678
		beige	170	170	476575*
		sepia brown	170	170	476573
		signal black	170	170	476571
		traffic white	170	170	476574
		window grey	170	170	476572*




476576

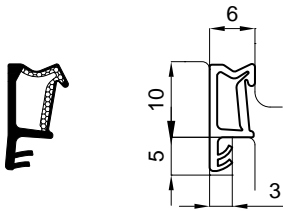
3.3.4 TE3006a			L		Nº
TE3006a	foamed-TPE	sample	6	6	477306
		beige	150	150	476580*
		sepia brown	150	150	476578
		signal black	150	150	476576
		traffic white	150	150	476579
		window grey	150	150	476577




476487

3.3.5 TE3007			L		Nº
TE3007	foamed-TPE	sample	6	6	476679
		beige	370	370	476487
		light grey	370	370	479596*
		sepia brown	370	370	476489
		signal black	370	370	476491
		traffic white	370	370	476490
		window grey	370	370	476488

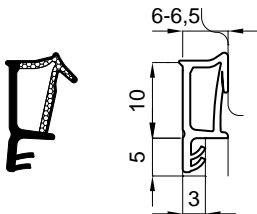
476503




3.3.6 TE3008

			L		No
TE3008	foamed-TPE	sample	6	6	476680
		beige	230	230	476503
		graphite grey	230	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

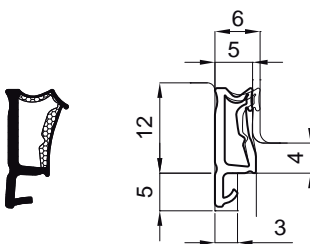
477402




3.3.7 TE3012

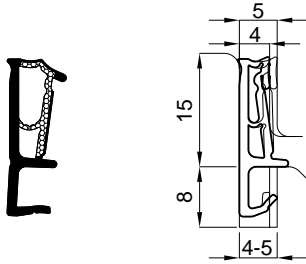
			L		No
TE3012	foamed-TPE	sample	6	6	477407
		beige	190	190	477405*
		sepia brown	190	190	477404
		signal black	190	190	477402*
		traffic white	190	190	477403
		window grey	190	190	477406*

479997




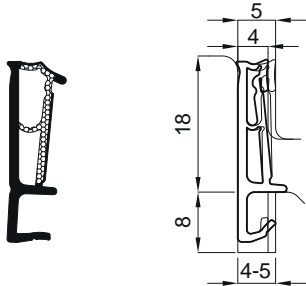
3.3.8 TE3025

			L		No
TE3025	foamed-TPE	sample	6	6	480003
		beige	200	200	480001*
		graphite grey	200	200	479998*
		light grey	200	200	480000*
		sepia brown	200	200	480002*
		signal black	200	200	480970*
		traffic white	200	200	479997*




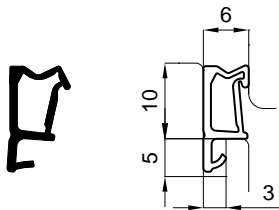
480295

3.3.9 TE3026			L		Nº
TE3026	foamed-TPE	sample	6	6	480299
			160	160	480298
			160	160	480296
			160	160	480295
			160	160	480297*




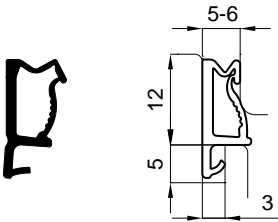
480300

3.3.10 TE3027			L		Nº
TE3027	foamed-TPE	sample	6	6	480304
			140	140	480301
			140	140	480300
			140	140	480302
			140	140	480303




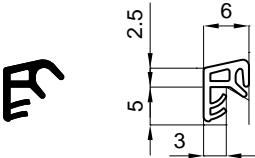
476492

3.3.11 TC2001			L		Nº
TC2001	compact-TPE	sample	6	6	476669
			230	230	476492
			230	230	476494
			230	230	476496
			230	230	476495
			230	230	476493




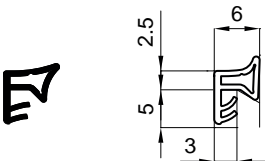
476634

3.3.12 TC2003			L		N ^o
TC2003	compact-TPE	sample	6	6	476682
		beige	200	200	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




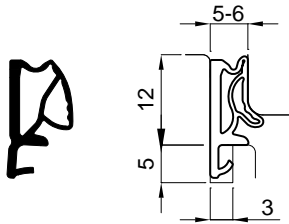
476581

3.3.13 TC2004			L		N ^o
TC2004	compact-TPE	sample	6	6	476671
		beige	370	370	476585
		light grey	370	370	480506*
		sepia brown	370	370	476583
		signal black	370	370	476581
		traffic white	370	370	476584
		window grey	370	370	476582



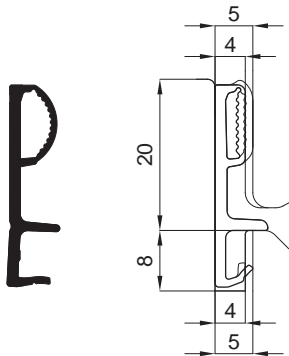
476586

3.3.14 TC2005			L		N ^o
TC2005	compact-TPE	sample	6	6	476672
		beige	370	370	476590
		graphite grey	370	370	479441*
		sepia brown	370	370	476588
		signal black	370	370	476586
		traffic white	370	370	476589
		window grey	370	370	476587



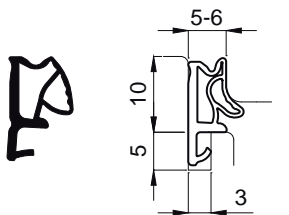
476695

3.3.15 TC2018			L		Nº
TC2018	compact-TPE	sample	6	6	477148
		beige	150	150	476695
		sepia brown	150	150	476696
		signal black	150	150	476699
		traffic white	150	150	476698
		window grey	150	150	476697



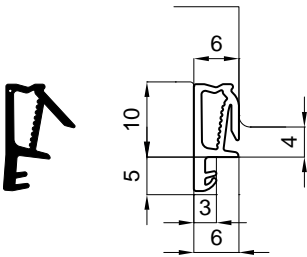
477866

3.3.16 TC2029a			L		Nº
TC2029a	compact-TPE	sample	6	6	477871
		beige	140	140	477869*
		sepia brown	140	140	477868*
		signal black	140	140	477866
		traffic white	140	140	477867*
		window grey	140	140	477870*




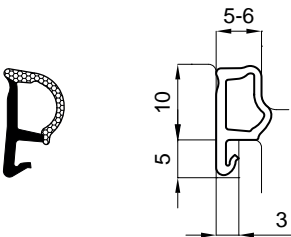
478878

3.3.17 TC2049			L		Nº
TC2049	compact-TPE	sample	6	6	478882
		sepia brown	190	190	478881*
		signal black	190	190	478878*
		traffic white	190	190	478879*
		window grey	190	190	478880*




479292

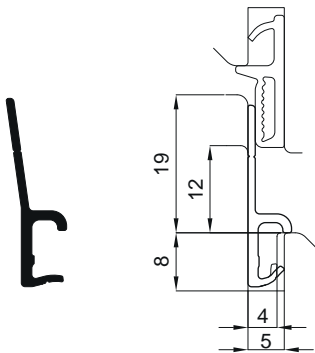
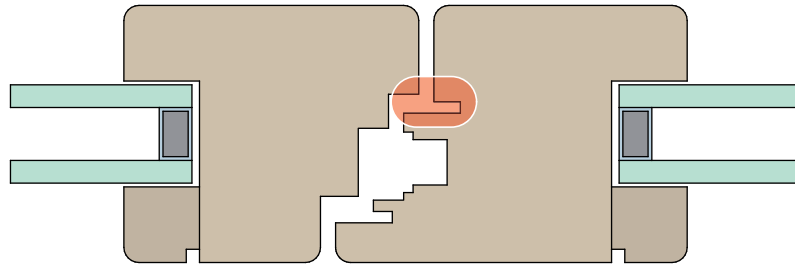
3.3.18 SC6012			L		No
SC6012	compact silicone	sample	6	6	479295
		light grey	25	25	479294
		sepia brown	25	25	479293
		signal black	25	25	479292



476879


3.3.19 EE5001			L		No
EE5001	Expanded EPDM	sample	6	6	476884
		beige	220	220	476883*
		sepia brown	220	220	476882*
		signal black	220	220	476879
		traffic white	220	220	476880*
		window grey	220	220	476881*

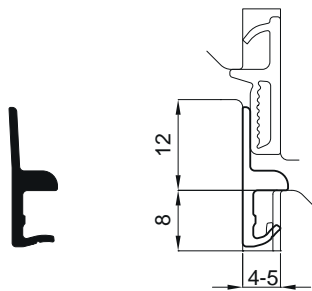
3.4 Astragal weatherseals



476900


3.4.1 TC2019a

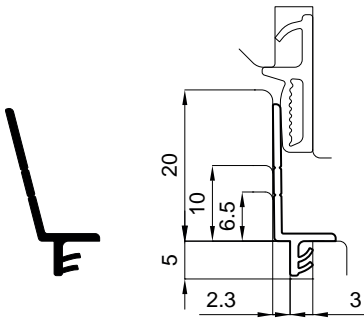
			L		Nº
TC2019	compact-TPE		180	180	476902
TC2019a	compact-TPE	sample	6	6	476905
			180	180	476904*
			180	180	476903
			180	180	476900
			180	180	476901




476906

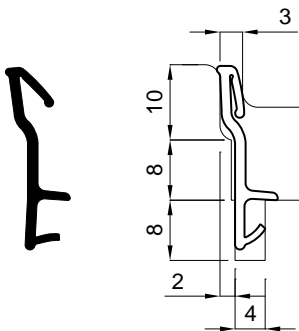
3.4.2 TC2020a

			L		Nº
TC2020a	compact-TPE	sample	6	6	476911
			210	210	476910*
			210	210	476909
			210	210	476906
			210	210	476907
			210	210	476908*




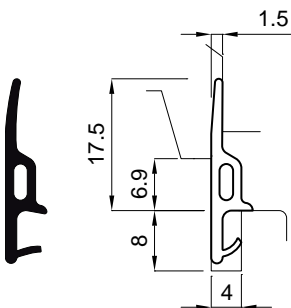
476912

3.4.3 TC2021			L		Nº
TC2021	compact-TPE	sample	6	6	476917
		beige	130	130	476916*
		graphite grey	130	130	478049
		sepia brown	130	130	476915
		signal black	130	130	476912
		traffic white	130	130	476913
		window grey	130	130	476914*




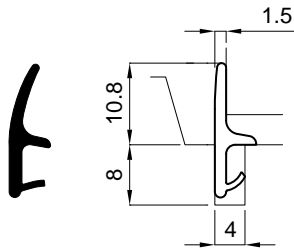
478102

3.4.4 TC2033			L		Nº
TC2033	compact-TPE	sample	6		478103
		signal black	100	100	478102




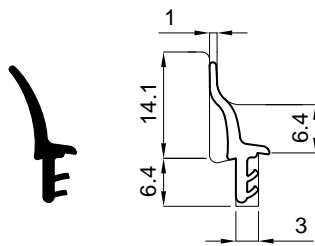
478153

3.4.5 TC2034			L		Nº
TC2034	compact-TPE	sample	6	6	478154
		signal black	150	150	478153




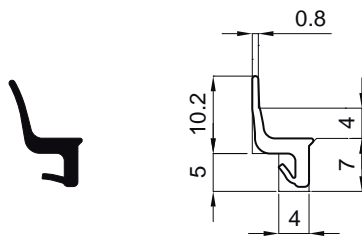
478187

3.4.6 TC2035				L		No
TC2035	compact-TPE	sample		6	6	478188
			signal black	200	200	478187




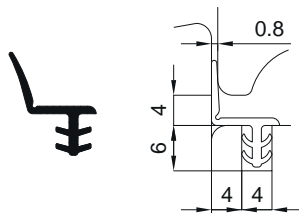
479339

3.4.7 TC2053				L		No
TC2053	compact-TPE	sample		6	6	479342
			beige	180	180	480037
			sepia brown	180	180	479340
			signal black	180	180	479339
			traffic white	180	180	479341
			window grey	180	180	480065




479551

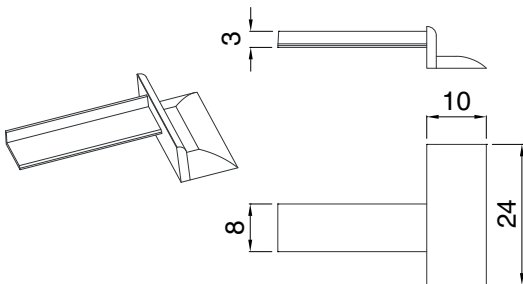
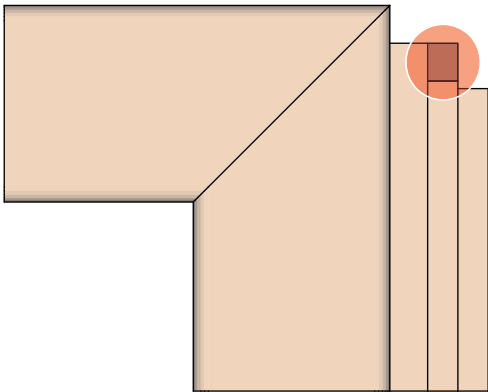
3.4.8 TC2054				L		No
TC2054	compact-TPE	sample		6	6	479552
			signal black	200	200	479551*



480988

3.4.9 TC2066				L		No
TC2066	compact-TPE	sample		6	6	480990
			light grey	200	200	480989
			signal black	200	200	480988

3.5 End pieces for central meeting point



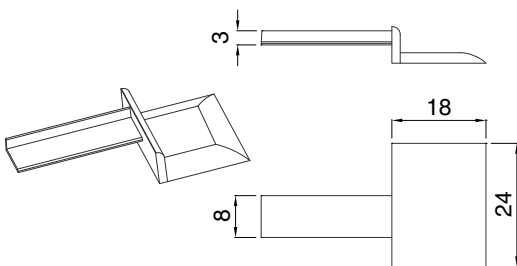
476999

3.5.1 Universal end piece 10 for 3 mm groove



No

'universal 10'	compact-TPE			
		beige	100	477002*
		sepia brown	100	477000*
		signal black	100	476998*
		traffic white	100	476999*
		window grey	100	477001*



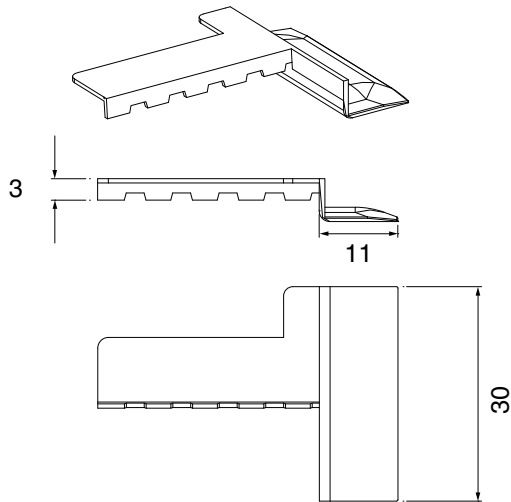
477004

3.5.2 Universal end piece 18 for 3 mm groove



No

'universal 18'	compact-TPE			
		beige	100	477007*
		sepia brown	100	477005*
		signal black	100	477003*
		traffic white	100	477004*
		window grey	100	477006*



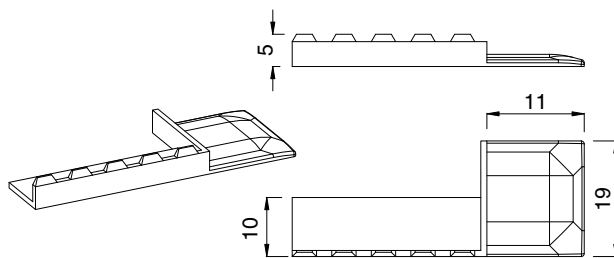
478777

3.5.3 Universal end piece 30 for 3 mm groove



No

'universal 30'	compact-TPE			
		beige	100	478781*
		graphite grey	100	463122
		light grey	100	478780*
		sepia brown	100	478779
		signal black	100	478777
		traffic white	100	478778



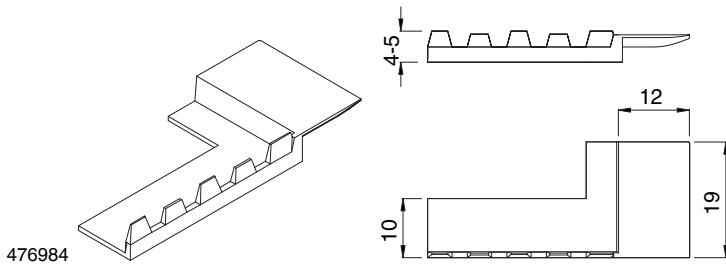
476994

3.5.4 Universal end piece 11 for 5 mm groove



No

'universal 11'	compact-TPE			
		beige	100	476997*
		sepia brown	100	476995*
		signal black	100	476993*
		traffic white	100	476994*
		window grey	100	476996*

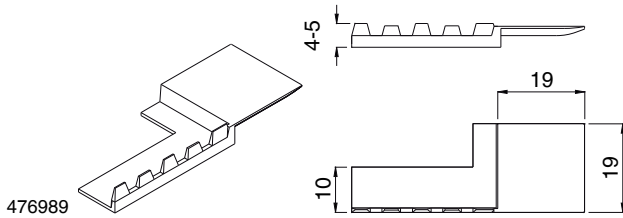


3.5.5 Universal end piece 12 for 4-5 mm groove



No

'universal 12'	compact-TPE			
		beige	100	476987
		sepia brown	100	476985
		signal black	100	476983
		traffic white	100	476984
		window grey	100	476986



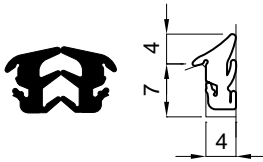
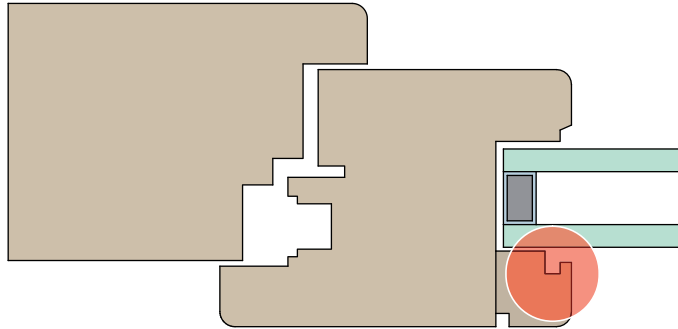
3.5.6 Universal end piece 19 for 4-5 mm groove



No

'universal 19'	compact-TPE			
		beige	100	476992*
		sepia brown	100	476990
		signal black	100	476988
		traffic white	100	476989
		window grey	100	476991

3.6 Glazing weatherseals Wood



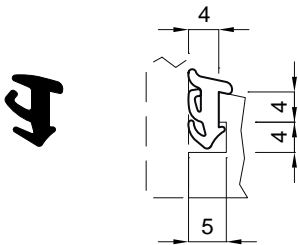
478202

3.6.1 TC2031

L 

N^o

TC2031	compact-TPE	sample	double-stranded (6x2)	12	6	478206
			double-stranded (150x2)	300	300	478205
			double-stranded (150x2)	300	300	478202
			double-stranded (150x2)	300	300	478203
			double-stranded (150x2)	300	300	478204



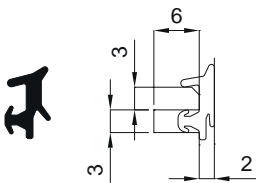
478197

3.6.2 TC2036

L 

N^o

TC2036	compact-TPE	sample		6	6	478201
			beige	250	250	478199
			sepia brown	250	250	478198*
			signal black	250	250	478197*
			traffic white	250	250	478200



480195

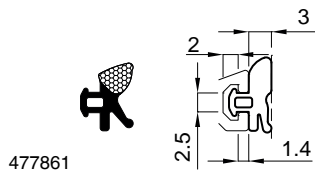
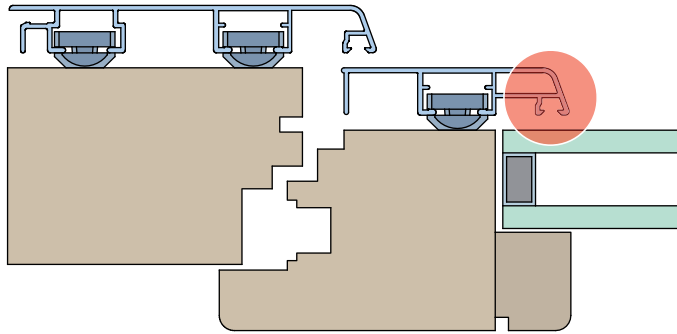
3.6.3 TC2059

L 

N^o

TC2059	compact-TPE	sample		6	6	480196
			signal black	350	350	480195

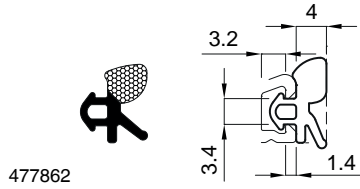
3.7 Glazing weatherseals Aluminium



3.7.1 EE5007



EE5007	Expanded EPDM	sample	6		477948
		signal black	300	300	477861*

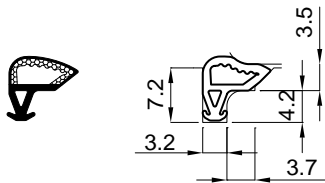
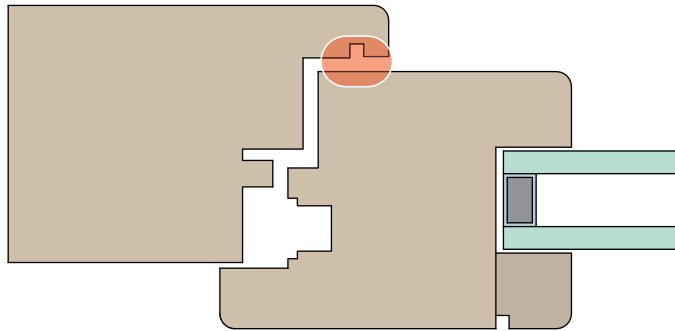


3.7.2 EE5008




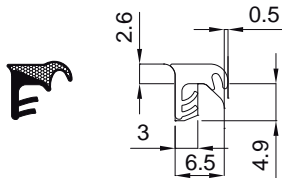
EE5008	Expanded EPDM	sample	6		477949
		signal black	250	250	477862*

3.8 Compression weatherseals Wood




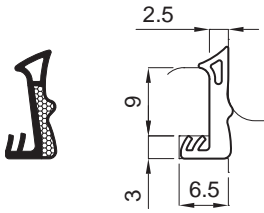
477955

3.8.1 TE3016			L		No
TE3016	foamed-TPE	sample	6		477960
			300	300	477959
			300	300	477955
			300	300	477958
			300	300	477956
			300	300	477957





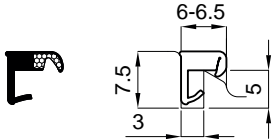
478672

3.8.2 TE3019c			L		No
TE3019c	foamed-TPE	sample	6	6	478674
			300	300	478673
			300	300	478672*




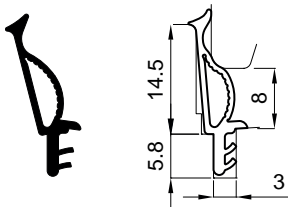
479478

3.8.3 TE3022a				L		No
TE3022a	foamed-TPE		3	6	6	479481
		sepia brown	3	200	200	479480
		signal black	3	200	200	479478
		traffic white	3	200	200	479479
TE3022a-2,8	foamed-TPE		2,8	6	6	480627
		sepia brown	2,8	200	200	480626*
		signal black	2,8	200	200	480624
		traffic white	2,8	200	200	480625*




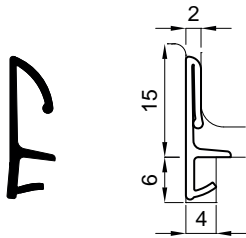
480262

3.8.4 TE3028			L		No
TE3028	foamed-TPE	sample	6	6	480265
		sepia brown	350	350	480263*
		signal black	350	350	480262
		traffic white	350	350	480264*



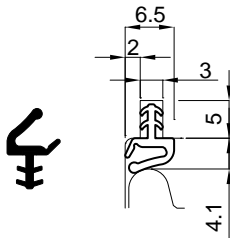
477408

3.8.5 TC2027			L		No
TC2027	compact-TPE	sample	6	6	477413
		beige	180	180	477411*
		sepia brown	180	180	477410
		signal black	180	180	477408
		traffic white	180	180	477409
		window grey	180	180	477412



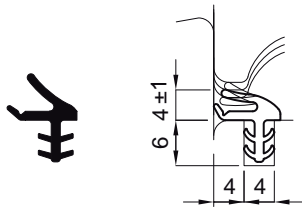
477414

3.8.6 TC2028a			L		No
TC2028a	compact-TPE	sample	6	6	477416
			200	200	477414
			200	200	477415
			200	200	479550



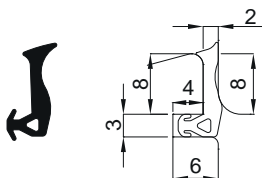
478495

3.8.7 TC2038			L		No
TC2038	compact-TPE	sample	6	6	478496
			300	300	479002
			300	300	478495



480095

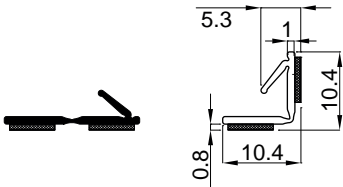
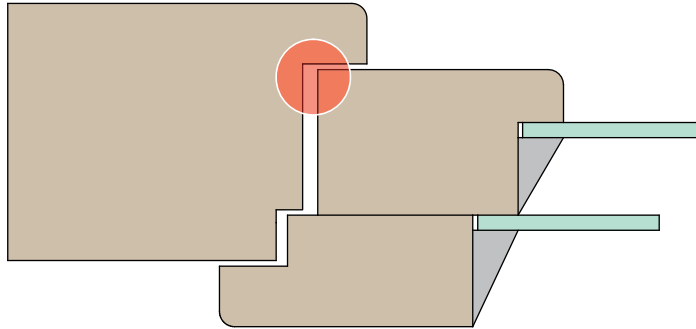
3.8.8 TC2056			L		No
TC2056	compact-TPE	sample	6	6	480100
			200	200	480099*
			200	200	480095*




480192

3.8.9 TC2060			L		No
TC2060	compact-TPE	sample	6	6	480194
			250	250	480192
			250	250	480193

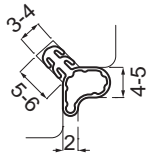
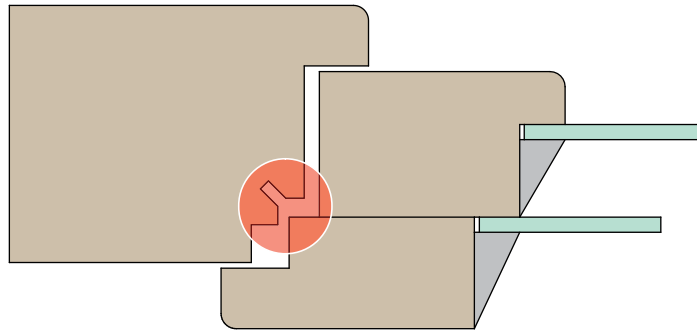
3.9 Adhesive weatherseals




478514

3.9.1 TC2042			L		N ^o
TC2042	compact-TPE	sample	6	6	478516
		signal black	15	180	478514*
		traffic white	15	180	478515*

3.10 Hose weatherseals



479272

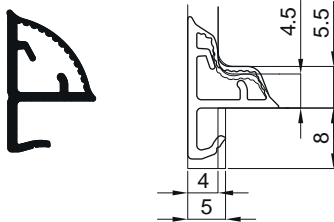
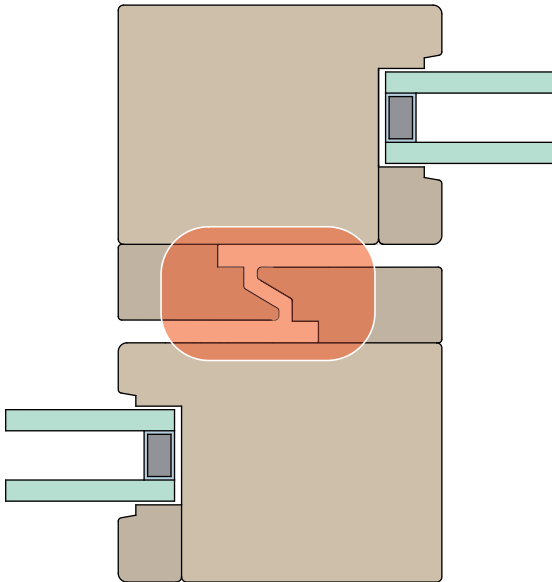
3.10.1 SC6011b			L		No
SC6011b	compact silicone	sample	6	6	479274
			200	200	479877*
			200	200	479273*
			200	200	479272*
			200	200	480136*

4 Lift&Slide

4.1	Central meeting point	48
4.2	Guide rail	50
4.3	Drive gear side and below	52


4 Lift&Slide

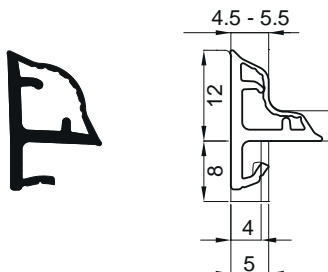
4.1 Central meeting point



480919


4.1.1 TC2065

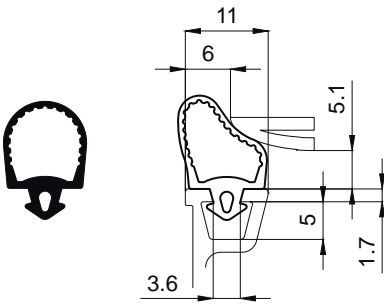
				L		No
TC2065	compact-TPE	sample		6	6	480922
			light grey	150	150	480920
			sepia brown	150	150	480921
			signal black	150	150	480919




476743

4.1.2 SC6006e

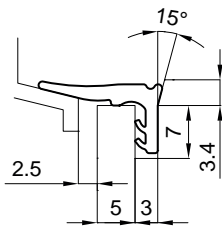
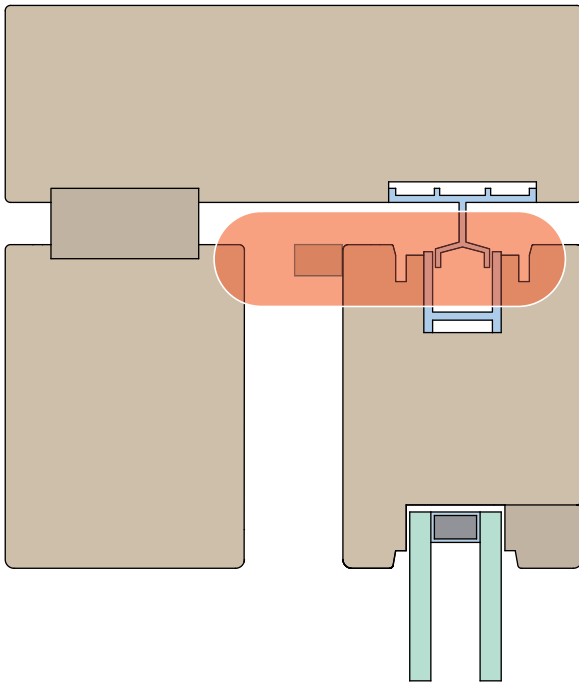
				L		No
SC6006b	compact silicone		traffic white	100	100	476746
SC6006e	compact silicone	sample		6	6	476748
			beige	100	100	476743*
			light grey	100	100	478175
			sepia brown	100	100	476744
			signal black	100	100	476747
			window grey	100	100	476745



479083


4.1.3 SC6014			L		No
SC6014	compact silicone	sample	6	6	479084
		light grey	25	25	479083

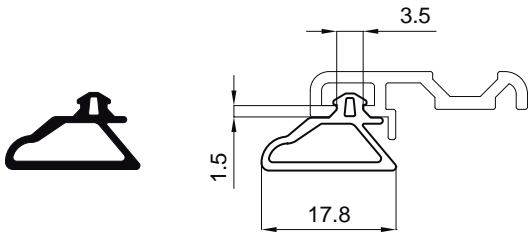
4.2 Guide rail




477050

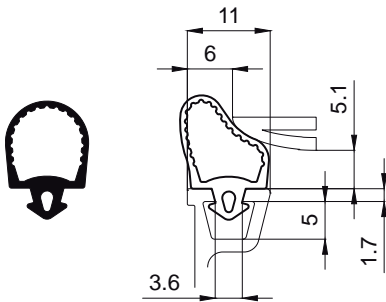
4.2.1 TC2023

				L		No	
TC2023	compact-TPE	sample	double-stranded	(6x2)	12	6	477055
		beige	double-stranded	(90x2)	180	180	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




478647

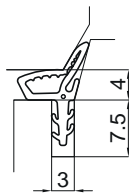
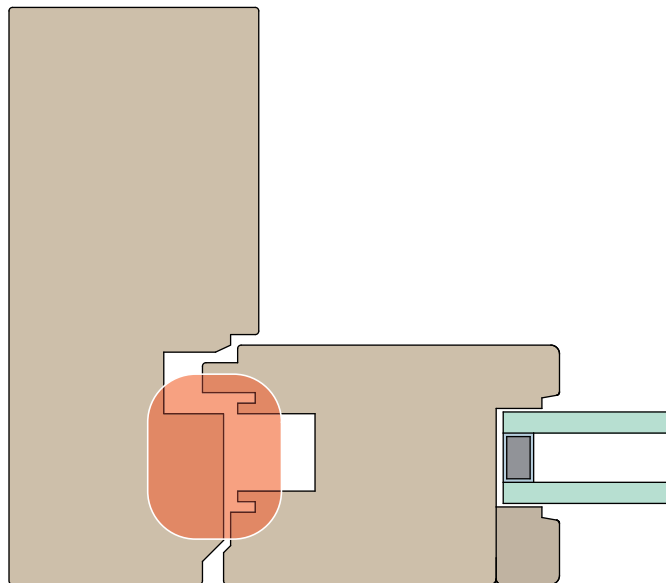
4.2.2 TC2048				L		Nº
TC2048	compact-TPE	light grey	1,5	15	478650	
			2,5	15	478651	
			3,5	15	478652	
		signal black	1,5	15	478647	
			2,5	10	478648	
			3,5	15	478649	




479083

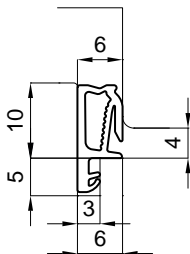
4.2.3 SC6014				L		Nº
SC6014	compact silicone	sample	6	6	479084	
			25	25	479083	

4.3 Drive gear side and below




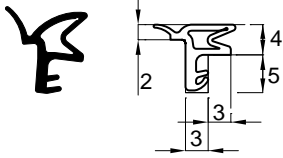
476545

4.3.1 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




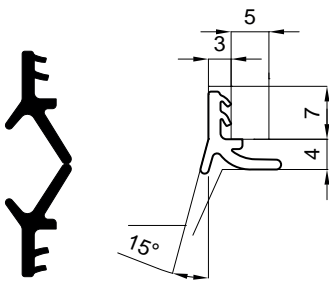
479292

4.3.2 SC6012			L		Nº
SC6012	compact silicone	sample	6	6	479295
		light grey	25	25	479294
		sepia brown	25	25	479293
		signal black	25	25	479292




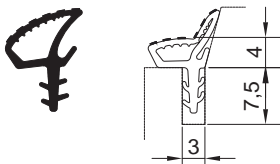
479297

4.3.3 SC6013				L		No
SC6013	compact silicone	sample		6	6	479300
			light grey	25	25	479299
			sepia brown	25	25	479298
			signal black	25	25	479297




477056

4.3.4 TC2024a				L		No
TC2024a	compact-TPE	sample	double-stranded (6x2)	12	6	477061
		beige	double-stranded (90x2)	180	180	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



480730

4.3.5 TC2064-1				W	H		No
compact-TPE	TC2064-1a	anthracite		2,5	2,5	20	480732*
		light grey		2,5	2,5	20	480731*
		signal black		2,5	2,5	20	480730*
	TC2064-1b	anthracite		3,5	3,5	15	480735*
		light grey		3,5	3,5	15	480734*
		signal black		3,5	3,5	15	480733*
	TC2064-1c	anthracite		1,5	2,5	20	480738*
		light grey		1,5	2,5	20	480737*
		signal black		1,5	2,5	20	480736*



Lift&Slide
Drive gear side and below

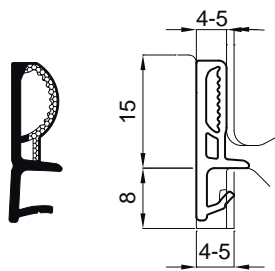
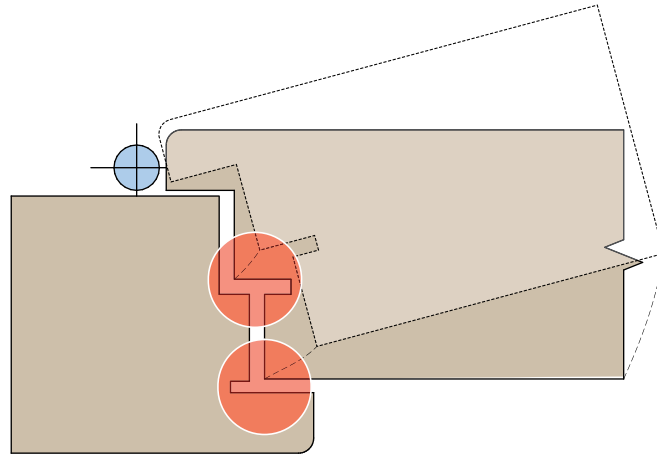


5 Door

5.1	Entry door weatherseals stepped sash _____	56
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5.4	Interior door weatherseals flush sash _____	68
5.5	Floor-door weatherseals _____	70
5.6	Threshold Weatherseal _____	75


5 Door

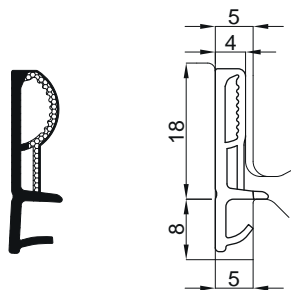
5.1 Entry door weatherseals stepped sash



476571


5.1.1 TE3005b

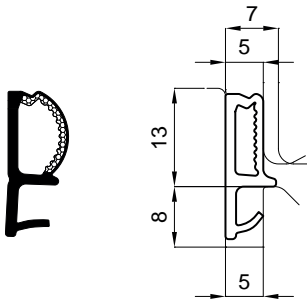
			L		N ^o
TE3005b	foamed-TPE	sample	6	6	476678
		beige	170	170	476575*
		sepia brown	170	170	476573
		signal black	170	170	476571
		traffic white	170	170	476574
		window grey	170	170	476572*




476576

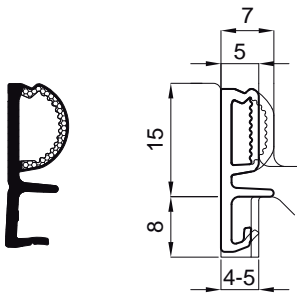
5.1.2 TE3006a

			L		N ^o
TE3006a	foamed-TPE	sample	6	6	477306
		beige	150	150	476580*
		sepia brown	150	150	476578
		signal black	150	150	476576
		traffic white	150	150	476579
		window grey	150	150	476577




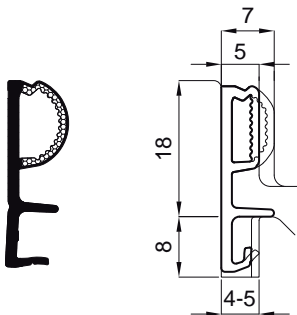
476891

5.1.3 TE3010a			L		No
TE3010a	foamed-TPE	sample	6	6	476896
		beige	190	190	476895*
		light grey	190	190	478048
		sepia brown	190	190	476894
		signal black	190	190	476891
		traffic white	190	190	476892*
		window grey	190	190	476893*




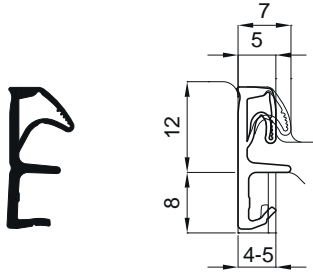
478029

5.1.4 TE3017a			L		No
TE3017a	foamed-TPE	sample	6	6	478034
		beige	120	120	478030*
		light grey	120	120	478032*
		sepia brown	120	120	478033*
		signal black	120	120	478029
		traffic white	120	120	478031*




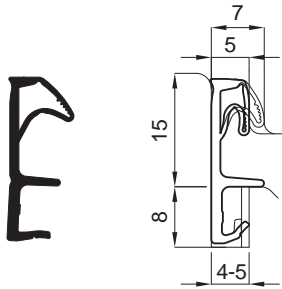
478035

5.1.5 TE3018a			L		No
TE3018a	foamed-TPE	sample	6	6	478038
		sepia brown	110	110	478036*
		signal black	110	110	478035
		traffic white	110	110	478037*




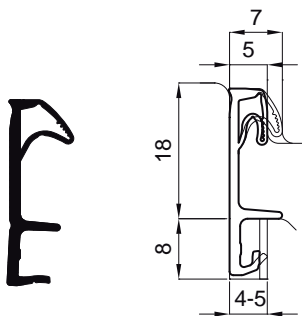
478325

5.1.6 TC2032a			L		N ^o
TC2032a	compact-TPE	sample	6	6	478329*
			140	140	478327*
			140	140	478326*
			140	140	478325*
			140	140	478328*
			140	140	478396*




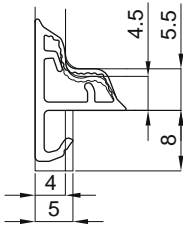
478487

5.1.7 TC2039a			L		N ^o
TC2039a	compact-TPE	sample	6	6	478492
			120	120	478487*
			120	120	478488*
			120	120	478489*
			120	120	478490*
			120	120	478491*



478505

5.1.8 TC2040a			L		N ^o
TC2040a	compact-TPE	sample	6	6	478509
			100	100	478505*
			100	100	478506
			100	100	478507
			100	100	478508



480919

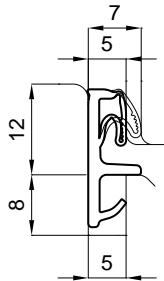
5.1.9 TC2065

L



No

TC2065	compact-TPE	sample	6	6	480922	
			light grey	150	150	480920
			sepia brown	150	150	480921
			signal black	150	150	480919



476725

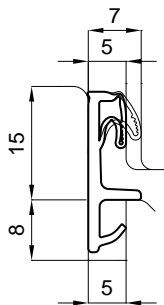
5.1.10 SC6003b

L



No

SC6003b	compact silicone	sample	6	6	476730	
			beige	140	140	476725
			sepia brown	140	120	476726*
			signal black	140	140	476729
			traffic white	140	140	476728
			window grey	140	140	476727*



476731

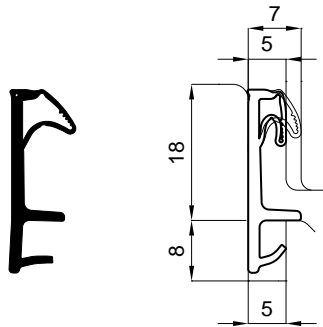
5.1.11 SC6004b

L




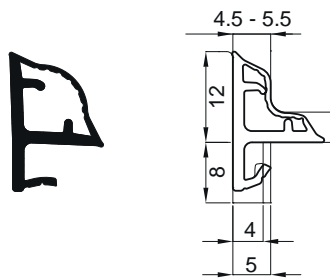
No

SC6004b	compact silicone	sample	6	6	476736	
			beige	120	120	476731
			sepia brown	120	120	476732*
			signal black	120	120	476735
			traffic white	120	120	476734
			window grey	120	120	476733*




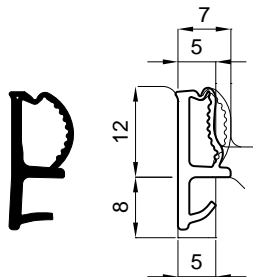
476737

5.1.12 SC6005b			L		N ^o
SC6005b	compact silicone	sample	6	6	476742
			100	100	476737*
			100	100	476738*
			100	100	476741
			100	100	476740*
			100	100	476739*




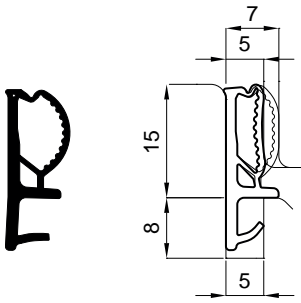
476743

5.1.13 SC6006e			L		N ^o
SC6006b	compact silicone		100	100	476746
SC6006e	compact silicone	sample	6	6	476748
			100	100	476743*
			100	100	478175
			100	100	476744
			100	100	476747
			100	100	476745




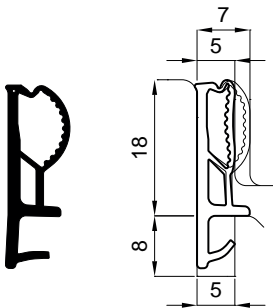
477274

5.1.14 SC6007a			L		N ^o
SC6007a	compact silicone	sample	6	6	477279
			140	140	477274
			140	140	477275
			140	140	477278
			140	140	477277
			140	140	477276*




477280

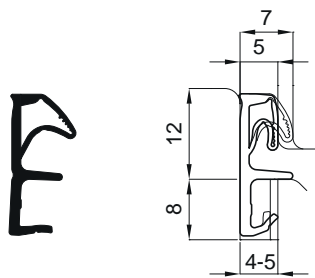
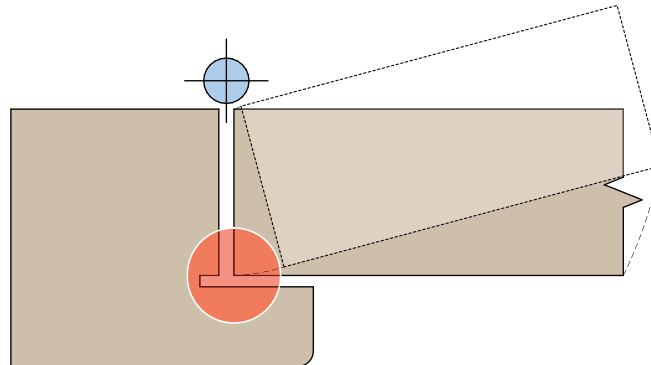
5.1.15 SC6008a			L		No
SC6008a	compact silicone	sample	6	6	477285
		beige	120	120	477280
		sepia brown	120	120	477281
		signal black	120	120	477284
		traffic white	120	120	477283
		window grey	120	120	477282*



477286


5.1.16 SC6009a			L		No
SC6009a	compact silicone	sample	6	6	477291
		beige	100	100	477286*
		sepia brown	100	100	477287*
		signal black	100	100	477290
		traffic white	100	100	477289*
		window grey	100	100	477288*

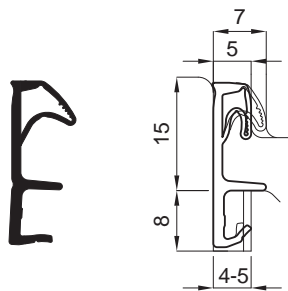
5.2 Entry door weatherseals flush sash



478325


5.2.1 TC2032a

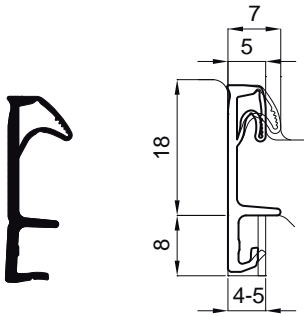
			L		No
TC2032a	compact-TPE	sample	6	6	478329*
			140	140	478327*
			140	140	478326*
			140	140	478325*
			140	140	478328*
			140	140	478396*



478487

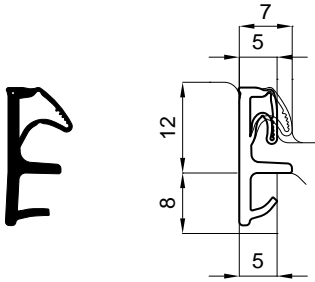
5.2.2 TC2039a

			L		No
TC2039a	compact-TPE	sample	6	6	478492
			120	120	478487*
			120	120	478488*
			120	120	478489*
			120	120	478490*
			120	120	478491*



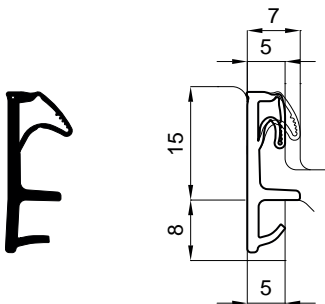
478505

5.2.3 TC2040a			L		Nº
TC2040a	compact-TPE	sample	6	6	478509
		beige	100	100	478505*
		sepia brown	100	100	478506
		signal black	100	100	478507
		traffic white	100	100	478508



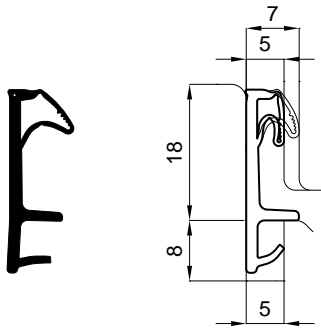
476725

5.2.4 SC6003b			L		Nº
SC6003b	compact silicone	sample	6	6	476730
		beige	140	140	476725
		sepia brown	140	120	476726*
		signal black	140	140	476729
		traffic white	140	140	476728
		window grey	140	140	476727*




476731

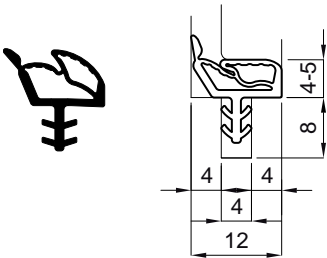
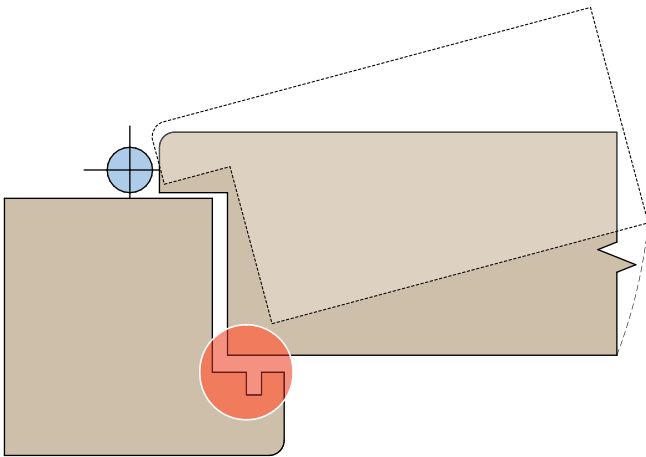
5.2.5 SC6004b			L		Nº
SC6004b	compact silicone	sample	6	6	476736
		beige	120	120	476731
		sepia brown	120	120	476732*
		signal black	120	120	476735
		traffic white	120	120	476734
		window grey	120	120	476733*




476737

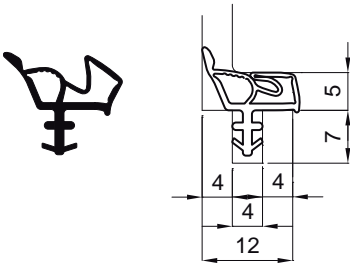
5.2.6 SC6005b			L		Nº
SC6005b	compact silicone	sample	6	6	476742
			100	100	476737*
			100	100	476738*
			100	100	476741
			100	100	476740*
			100	100	476739*

5.3 Interior door weatherseals stepped sash




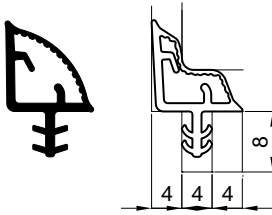
478382

5.3.1 TC2013g			L		No
TC2013g	compact-TPE	sample	6	6	478392
		beige	25	25	478387
			130	130	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	25	478391*
			130	130	478386*




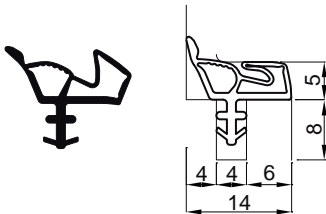
479635

5.3.2 TC2015f			L		No
TC2015f	compact-TPE	sample	6	6	479639
		beige	120	120	479637
		light grey	120	120	479636
		sepia brown	120	120	479638
		signal black	120	120	480467*
		traffic white	120	120	479635




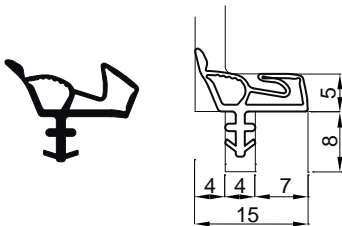
476972

5.3.3 TC2022d			L		No
TC2022d	compact-TPE	sample	6	6	476977
			150	150	476972
			150	150	476973
			150	150	476976
			150	150	476975*
			150	150	476974*




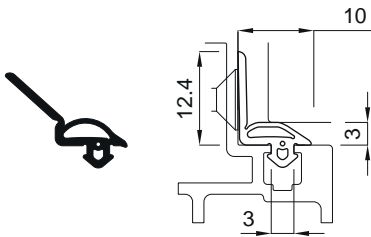
479729

5.3.4 TC2014b			L		No
TC2014b	compact-TPE	sample	6	6	479732
			120	120	479731*
			120	120	479729
			120	120	479730




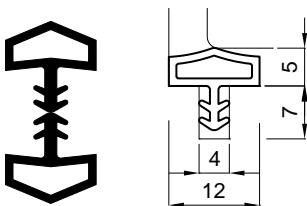
479733

5.3.5 TC2046a			L		No
TC2046a	compact-TPE	sample	6	6	479735
			100	100	479733*
			100	100	479734*




480171

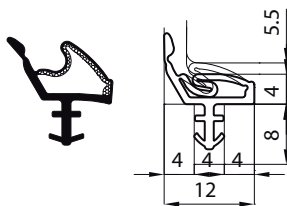
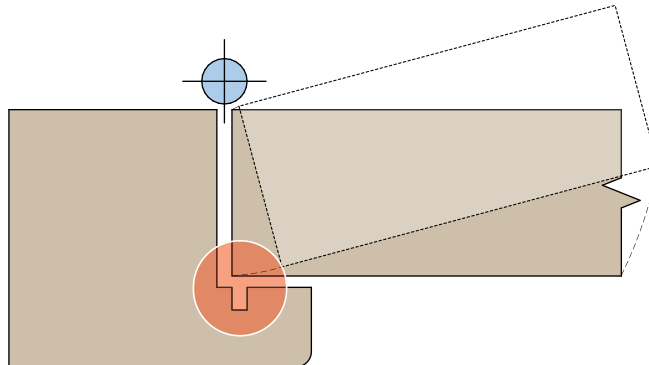
5.3.6 TC2058				L		Nº
TC2058	compact-TPE	sample		6	6	480173
			light grey	200	200	480172*
			signal black	200	200	480171*



477390


5.3.7 PC1001				L		Nº
PC1001	PVC	sample		6	6	477395
		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	477390*
		traffic white	double-stranded (70x2)	140	140	477391

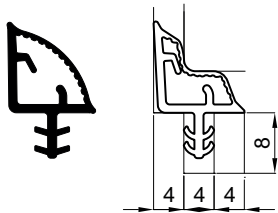
5.4 Interior door weatherseals flush sash



479695


5.4.1 TE3020b

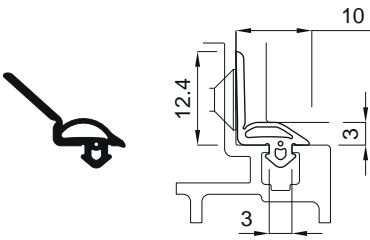
			L		No
TE3020b	foamed-TPE	sample	6	6	479699*
		beige	25	25	479698*
		light grey	25	25	479697*
		signal black	25	25	479695*
		traffic white	25	25	479696*




476972

5.4.2 TC2022d

			L		No
TC2022d	compact-TPE	sample	6	6	476977
		beige	150	150	476972
		sepia brown	150	150	476973
		signal black	150	150	476976
		traffic white	150	150	476975*
		window grey	150	150	476974*



480171

5.4.3 TC2058			L		No
TC2058	compact-TPE	sample	6	6	480173
		light grey	200	200	480172*
		signal black	200	200	480171*

5.5 Floor-door weatherseals

5.5.1 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.

5.5.1.1 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

5.5.1.2 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.

5.5.1.3 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.

5.5.1.4 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:

5.5.1.4.1 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.

5.5.1.4.2 Specialist retailers

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

5.5.1.4.3 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.

5.5.1.4.4 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.

5.5.1.4.5 Clients

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

5.5.1.4.6 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.

5.5.1.5 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

5.5.1.6 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

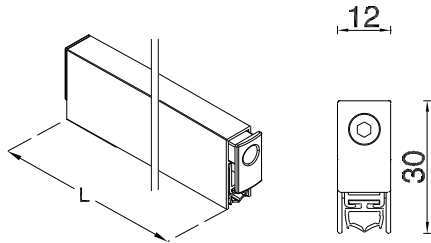
5.5.1.7 Liability exclusion

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 of 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 where not known to be defects.
- c) when the defendant has produced only one element or a semifinished product and the defect has occurred during the construction phase of the product which integrates the element or semifinished 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.)

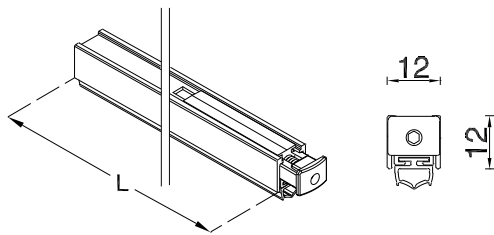


D10433

5.5.2 Self adjusting floor-door weatherseals 12x30

industrial packaging

L					No
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
<hr/>					
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	D10433
959	12	30	3 - 14	1	D13534
1.084	12	30	3 - 14	1	D13535
1.209	12	30	3 - 14	1	D13536

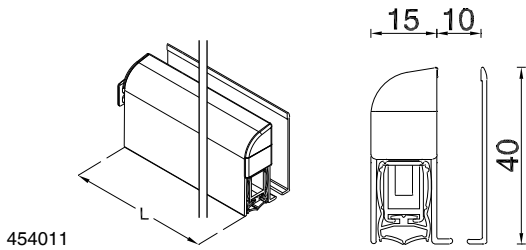


D10424





5.5.3 Floor-door weatherseals Mini 12x12

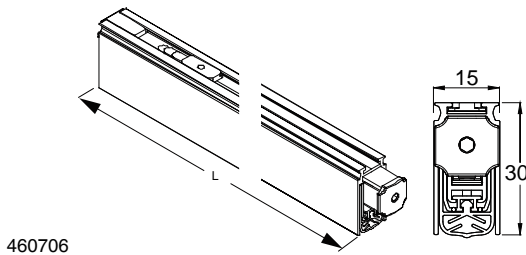
industrial packaging

L					No
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
<hr/>					
unit package					
334	12	12	3 - 8	1	D13545
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	D10424
959	12	12	3 - 8	1	D13549
1.084	12	12	3 - 8	1	D13550
1.209	12	12	3 - 8	1	D13551







5.5.4 Floor-door weatherseals glass 15x40

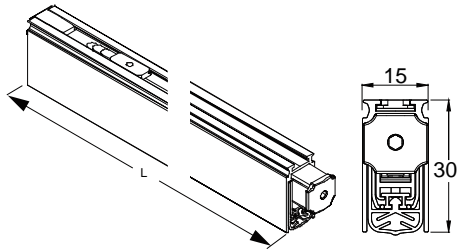
	L					No
unit package	350	15	40	3 - 14	1	454330*
	459	15	40	3 - 14	1	454011*
	584	15	40	3 - 14	1	454012*
	709	15	40	3 - 14	1	454013*
	834	15	40	3 - 14	1	454014*
	959	15	40	3 - 14	1	454015*
	1.084	15	40	3 - 14	1	454016*
	1.209	15	40	3 - 14	1	454017*
	1.334	15	40	3 - 14	1	454018*



5.5.5 Floor-door weatherseals sound protection 54 dB 15x30

	L					No
industrial packaging	459	15	30	3 - 15	5	460706¹
	584	15	30	3 - 15	5	460707¹
	709	15	30	3 - 15	5	460708¹
	834	15	30	3 - 15	5	460709¹
	959	15	30	3 - 15	5	460710¹
	1.084	15	30	3 - 15	5	460711¹
	1.209	15	30	3 - 15	5	460712¹
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	460716¹
	959	15	30	3 - 15	1	460717¹
	1.084	15	30	3 - 15	1	460718¹
	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)!

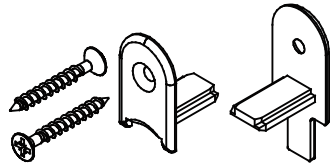


461461

**5.5.6 Floor-door weatherseals sound protection 54 dB
15x30 with preassembled screws**

industrial packaging

L					No
459	15	30	20	5	461459*
584	15	30	20	5	461460*
709	15	30	20	5	461461*
834	15	30	20	5	461462
959	15	30	20	5	461463
1.084	15	30	20	5	461464*

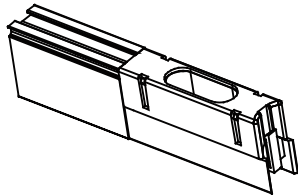


460720

5.5.7 Fixing angle with screws for floor-door weatherseals sound protection 54 dB

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

	No
1	460720*



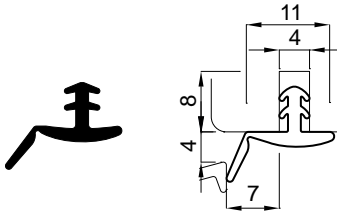
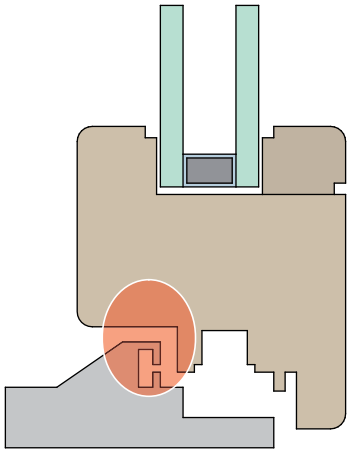
460940

5.5.8 Accessory for shootbolt for floor-door weatherseals sound protection 54 dB

Accessory for shottbolt for floor-door weatherseals acoustic protection -54dB 15x30mm mod. DSD1530

	No
1	460940*

5.6 Threshold Weatherseal



478493

5.6.1 TC2041

L



Nº

TC2041	compact-TPE	sample	6	6	478494
		signal black	180	180	478493

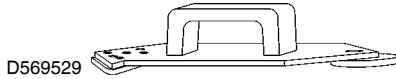


Floor-door weatherseals Threshold Weatherseal

6 Tools for weatherseals

6.1	Profile roll-in tool for glazing weatherseals	78
6.2	Profile roll-in tool	78
6.3	Mitre-joint clamp DSV1521	78
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6.7	Replacement cutting plate DSV1527-I/L	79
6.8	Replacement cutting plate DSV1527-III/L	79
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6 Tools for weatherseals



D569529

6.1 Profile roll-in tool for glazing weatherseals



No

profile roll-in tool for glazing weatherseal

1

D569529*



D990321



D990323



D990324

6.2 Profile roll-in tool



No

profile roll-in tool No. 7941

1

D990321

profile roll-in tool No. 7921

1

D990323

profile roll-in tool No. 7931

1

D990324



D560163

6.3 Mitre-joint clamp DSV1521



No

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

1

D560163



D560155

6.4 Profile roll-in tool DSV1526/L



No

Profile roll-in tool DSV1526 for cutter D560163 without screw

5

D560155



473672

6.5 Replacement blade DSV1525-I/L



No

Replacement blade for V-cuts for cutter D560163

10

473672



473673

6.6 Replacement blade DSV1525-II/L



No

Replacement blade for cutter D560163

10

473673



473674

6.7 Replacement cutting plate DSV1527-I/L

No

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

473674



473675

6.8 Replacement cutting plate DSV1527-III/L



No

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

5

473675*



473677

6.9 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

473677*



473676

6.10 Screw for cutting support DSV1527




No


Bolt with nut for cutting support DSV1527/L

10


473676*


7 Directory


No	Unit		£ (/00 = 100 pieces)	Page
4				
454011	IT-L-2-1	1		73
454012	IT-L-2-1	1		73
454013	IT-L-2-1	1		73
454014	IT-L-2-1	1		73
454015	IT-L-2-1	1		73
454016	IT-L-2-1	1		73
454017	IT-L-2-1	1		73
454018	IT-L-2-1	1		73
454330	IT-L-2-1	1		73
460706	IT-L-2-1	5		73
460707	IT-L-2-1	5		73
460708	IT-L-2-1	5		73
460709	IT-L-2-1	5		73
460710	IT-L-2-1	5		73
460711	IT-L-2-1	5		73
460712	IT-L-2-1	5		73
460713	IT-L-2-1	1		73
460714	IT-L-2-1	1		73
460715	IT-L-2-1	1		73
460716	IT-L-2-1	1		73
460717	IT-L-2-1	1		73
460718	IT-L-2-1	1		73
460719	IT-L-2-1	1		73
460720	IT-L-2-4	1		74
460940	IT-L-2-4	1		74
461459	IT-L-2-1	5		74
461460	IT-L-2-1	5		74
461461	IT-L-2-1	5		74
461462	IT-L-2-1	5		74
461463	IT-L-2-1	5		74
461464	IT-L-2-1	5		74
463122	IT-L-1-1-6	100		38
473672	IT-S-3	10		78
473673	IT-S-3	10		79
473674	IT-S-3			79
473675	IT-S-3	5		79
473676	IT-S-3	10		79
473677	IT-S-3	1		79
476366	IT-I-1	170		18
476367	IT-I-1	170		18
476368	IT-I-1	170		18
476369	IT-I-1	170		18
476370	IT-I-1	170		18
476376	IT-I-1	200		27
476377	IT-I-1	200		27
476378	IT-I-1	200		27
476379	IT-I-1	200		27
476380	IT-I-1	200		27
476482	IT-I-1	120		24
476483	IT-I-1	120		24
476484	IT-I-1	120		24
476485	IT-I-1	120		24
476486	IT-I-1	120		24
476487	IT-I-1	370		28
476488	IT-I-1	370		28
476489	IT-I-1	370		28
476490	IT-I-1	370		28
476491	IT-I-1	370		28
476492	IT-I-1	230		30
476493	IT-I-1	230		30
476494	IT-I-1	230		30
476495	IT-I-1	230		30
476496	IT-I-1	230		30
476497	IT-I-1	200		21
476498	IT-I-1	200		21
476499	IT-I-1	200		21
476500	IT-I-1	200		21


No	Unit		£ (/00 = 100 pieces)	Page
476501	IT-I-1	200		21
476503	IT-I-1	230		29
476504	IT-I-1	230		29
476505	IT-I-1	230		29
476506	IT-I-1	230		29
476507	IT-I-1	230		29
476508	IT-I-1	200		19
476509	IT-I-1	200		19
476510	IT-I-1	200		19
476511	IT-I-1	200		19
476512	IT-I-1	200		19
476545	IT-L-1-1-8	20		52
476550	IT-L-1-1-8	20		52
476551	IT-L-1-1-8	15		52
476555	IT-L-1-1-8	15		52
476556	IT-L-1-1-8	20		52
476560	IT-L-1-1-8	20		52
476566	IT-I-1	210		19,27
476567	IT-I-1	210		19,27
476568	IT-I-1	210		19,27
476569	IT-I-1	210		19,27
476570	IT-I-1	210		19,27
476571	IT-I-1	170		28,56
476572	IT-I-1	170		28,56
476573	IT-I-1	170		28,56
476574	IT-I-1	170		28,56
476575	IT-I-1	170		28,56
476576	IT-I-1	150		28,56
476577	IT-I-1	150		28,56
476578	IT-I-1	150		28,56
476579	IT-I-1	150		28,56
476580	IT-I-1	150		28,56
476581	IT-I-1	370		31
476582	IT-I-1	370		31
476583	IT-I-1	370		31
476584	IT-I-1	370		31
476585	IT-I-1	370		31
476586	IT-I-1	370		31
476587	IT-I-1	370		31
476588	IT-I-1	370		31
476589	IT-I-1	370		31
476590	IT-I-1	370		31
476634	IT-I-1	200		21,31
476635	IT-I-1	200		21,31
476636	IT-I-1	200		21,31
476637	IT-I-1	200		21,31
476638	IT-I-1	200		21,31
476669	IT-S-2	6		30
476670	IT-S-2	6		21
476671	IT-S-2	6		31
476672	IT-S-2	6		31
476673	IT-S-2	6		27
476674	IT-S-2	6		24
476675	IT-S-2	6		18
476677	IT-S-2	6		19,27
476678	IT-S-2	6		28,56
476679	IT-S-2	6		28
476680	IT-S-2	6		29
476681	IT-S-2	6		19
476682	IT-S-2	6		21,31
476690	IT-I-1	150		21
476691	IT-I-1	150		21
476692	IT-I-1	150		21
476693	IT-I-1	150		21
476694	IT-I-1	150		21
476695	IT-I-1	150		22,32
476696	IT-I-1	150		22,32
476697	IT-I-1	150		22,32
476698	IT-I-1	150		22,32




No	Unit		£ (/00 = 100 pieces)	Page
476699	IT-I-1	150		22,32
476725	IT-I-4	140		59,63
476726	IT-I-4	120		59,63
476727	IT-I-4	140		59,63
476728	IT-I-4	140		59,63
476729	IT-I-4	140		59,63
476730	IT-S-2	6		59,63
476731	IT-I-4	120		59,63
476732	IT-I-4	120		59,63
476733	IT-I-4	120		59,63
476734	IT-I-4	120		59,63
476735	IT-I-4	120		59,63
476736	IT-S-2	6		59,63
476737	IT-I-4	100		60,64
476738	IT-I-4	100		60,64
476739	IT-I-4	100		60,64
476740	IT-I-4	100		60,64
476741	IT-I-4	100		60,64
476742	IT-S-2	6		60,64
476743	IT-I-4	100		48,60
476744	IT-I-4	100		48,60
476745	IT-I-4	100		48,60
476746	IT-I-4	100		48,60
476747	IT-I-4	100		48,60
476748	IT-S-2	6		48,60
476879	IT-I-1	220		33
476880	IT-I-1	220		33
476881	IT-I-1	220		33
476882	IT-I-1	220		33
476883	IT-I-1	220		33
476884	IT-S-2	6		33
476885	IT-I-1	200		23
476886	IT-I-1	200		23
476887	IT-I-1	200		23
476888	IT-I-1	200		23
476889	IT-I-1	200		23
476890	IT-S-2	6		23
476891	IT-I-1	190		57
476892	IT-I-1	190		57
476893	IT-I-1	190		57
476894	IT-I-1	190		57
476895	IT-I-1	190		57
476896	IT-S-2	6		57
476900	IT-I-1	180		34
476901	IT-I-1	180		34
476902	IT-I-1	180		34
476903	IT-I-1	180		34
476904	IT-I-1	180		34
476905	IT-S-2	6		34
476906	IT-I-1	210		34
476907	IT-I-1	210		34
476908	IT-I-1	210		34
476909	IT-I-1	210		34
476910	IT-I-1	210		34
476911	IT-S-2	6		34
476912	IT-I-1	130		35
476913	IT-I-1	130		35
476914	IT-I-1	130		35
476915	IT-I-1	130		35
476916	IT-I-1	130		35
476917	IT-S-2	6		35
476972	IT-I-3	150		66,68
476973	IT-I-3	150		66,68
476974	IT-I-3	150		66,68
476975	IT-I-3	150		66,68
476976	IT-I-3	150		66,68
476977	IT-S-2	6		66,68
476983	IT-L-1-1-6	100		39
476984	IT-L-1-1-6	100		39
476985	IT-L-1-1-6	100		39
476986	IT-L-1-1-6	100		39
476987	IT-L-1-1-6	100		39
476988	IT-L-1-1-6	100		39


No	Unit		£ (/00 = 100 pieces)	Page
476989	IT-L-1-1-6	100		39
476990	IT-L-1-1-6	100		39
476991	IT-L-1-1-6	100		39
476992	IT-L-1-1-6	100		39
476993	IT-L-1-1-6	100		38
476994	IT-L-1-1-6	100		38
476995	IT-L-1-1-6	100		38
476996	IT-L-1-1-6	100		38
476997	IT-L-1-1-6	100		38
476998	IT-L-1-1-6	100		37
476999	IT-L-1-1-6	100		37
477000	IT-L-1-1-6	100		37
477001	IT-L-1-1-6	100		37
477002	IT-L-1-1-6	100		37
477003	IT-L-1-1-6	100		37
477004	IT-L-1-1-6	100		37
477005	IT-L-1-1-6	100		37
477006	IT-L-1-1-6	100		37
477007	IT-L-1-1-6	100		37
477050	IT-L-1-1-7	180		50
477051	IT-L-1-1-7	180		50
477052	IT-L-1-1-7	180		50
477053	IT-L-1-1-7	180		50
477054	IT-L-1-1-7	180		50
477055	IT-S-2	6		50
477056	IT-L-1-1-7	180		53
477057	IT-L-1-1-7	180		53
477058	IT-L-1-1-7	180		53
477059	IT-L-1-1-7	180		53
477060	IT-L-1-1-7	180		53
477061	IT-S-2	6		53
477103	IT-L-1-1-8	20		52
477104	IT-L-1-1-8	15		52
477105	IT-L-1-1-8	20		52
477147	IT-S-2	6		21
477148	IT-S-2	6		22,32
477227	IT-I-1	180		22
477274	IT-I-4	140		60
477275	IT-I-4	140		60
477276	IT-I-4	140		60
477277	IT-I-4	140		60
477278	IT-I-4	140		60
477279	IT-S-2	6		60
477280	IT-I-4	120		61
477281	IT-I-4	120		61
477282	IT-I-4	120		61
477283	IT-I-4	120		61
477284	IT-I-4	120		61
477285	IT-S-2	6		61
477286	IT-I-4	100		61
477287	IT-I-4	100		61
477288	IT-I-4	100		61
477289	IT-I-4	100		61
477290	IT-I-4	100		61
477291	IT-S-2	6		61
477297	IT-S-2	6		22
477306	IT-S-2	6		28,56
477390	IT-I-3	140		67
477391	IT-I-3	140		67
477392	IT-I-3	140		67
477393	IT-I-3	140		67
477394	IT-I-3	140		67
477395	IT-S-2	6		67
477396	IT-I-1	180		19
477397	IT-I-1	180		19
477398	IT-I-1	180		19
477399	IT-I-1	180		19
477400	IT-I-1	180		19
477401	IT-S-2	6		19
477402	IT-I-1	190		29
477403	IT-I-1	190		29
477404	IT-I-1	190		29
477405	IT-I-1	190		29


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477406	IT-I-1	190	29
477407	IT-S-2	6	29
477408	IT-I-1	180	43
477409	IT-I-1	180	43
477410	IT-I-1	180	43
477411	IT-I-1	180	43
477412	IT-I-1	180	43
477413	IT-S-2	6	43
477414	IT-I-1	200	44
477415	IT-I-1	200	44
477416	IT-S-2	6	44
477861	IT-I-1	300	41
477862	IT-I-1	250	41
477866	IT-I-1	140	32
477867	IT-I-1	140	32
477868	IT-I-1	140	32
477869	IT-I-1	140	32
477870	IT-L-1-1-7	140	32
477871	IT-S-2	6	32
477885	IT-I-1	120	24
477886	IT-I-1	120	24
477887	IT-I-1	120	24
477888	IT-S-2	6	24
477889	IT-I-1	170	20
477890	IT-I-1	170	20
477891	IT-I-1	170	20
477892	IT-S-2	6	20
477948	IT-S-2		41
477949	IT-S-2		41
477955	IT-I-1	300	42
477956	IT-I-1	300	42
477957	IT-I-1	300	42
477958	IT-I-1	300	42
477959	IT-I-1	300	42
477960	IT-S-2		42
477962	IT-I-1	160	25
477963	IT-S-2	6	25
477964	IT-I-1	160	25
477990	IT-I-1	160	25
477991	IT-I-1	160	25
477992	IT-I-1	160	25
478029	IT-I-2	120	57
478030	IT-I-2	120	57
478031	IT-I-2	120	57
478032	IT-I-2	120	57
478033	IT-I-2	120	57
478034	IT-S-2	6	57
478035	IT-I-2	110	57
478036	IT-I-2	110	57
478037	IT-I-2	110	57
478038	IT-S-2	6	57
478047	IT-I-1	200	21,31
478048	IT-I-1	190	57
478049	IT-I-1	130	35
478102	IT-I-1	100	35
478103	IT-S-2		35
478133	IT-L-1-1-7	180	50
478134	IT-L-1-1-7	180	50
478135	IT-L-1-1-7	15	50
478136	IT-L-1-1-7	15	50
478137	IT-L-1-1-7	15	50
478138	IT-L-1-1-7	180	53
478139	IT-L-1-1-7	180	53
478140	IT-L-1-1-7	180	53
478141	IT-L-1-1-7	30	53
478142	IT-L-1-1-7	30	53
478143	IT-L-1-1-7	30	53
478153	IT-I-1	150	35
478154	IT-S-2	6	35
478175	IT-I-4	100	48,60
478187	IT-I-1	200	36
478188	IT-S-2	6	36
478197	IT-I-1	250	40

No	Unit	 (£ (/00 = 100 pieces)	Page
478198	IT-I-1	250	40
478199	IT-I-1	250	40
478200	IT-I-1	250	40
478201	IT-S-2	6	40
478202	IT-I-1	300	40
478203	IT-I-1	300	40
478204	IT-I-1	300	40
478205	IT-I-1	300	40
478206	IT-S-2	6	40
478325	IT-I-2	140	58,62
478326	IT-I-2	140	58,62
478327	IT-I-2	140	58,62
478328	IT-I-2	140	58,62
478329	IT-S-2	6	58,62
478382	IT-I-3	130	65
478383	IT-I-3	130	65
478384	IT-I-3	130	65
478385	IT-I-3	130	65
478386	IT-I-3	130	65
478387	IT-I-3	25	65
478388	IT-I-3	25	65
478389	IT-I-3	25	65
478390	IT-I-3	25	65
478391	IT-I-3	25	65
478392	IT-S-2	6	65
478396	IT-I-2	140	58,62
478400	IT-I-1	120	26
478401	IT-I-1	120	26
478402	IT-I-1	120	26
478403	IT-S-2	6	26
478487	IT-I-2	120	58,62
478488	IT-I-2	120	58,62
478489	IT-I-2	120	58,62
478490	IT-I-2	120	58,62
478491	IT-I-2	120	58,62
478492	IT-S-2	6	58,62
478493	IT-I-1	180	75
478494	IT-S-2	6	75
478495	IT-I-1	300	44
478496	IT-S-2	6	44
478505	IT-I-2	100	58,63
478506	IT-I-2	100	58,63
478507	IT-I-2	100	58,63
478508	IT-I-2	100	58,63
478509	IT-S-2	6	58,63
478514	IT-I-1	180	45
478515	IT-I-1	180	45
478516	IT-S-2	6	45
478573	IT-I-1	100	26
478647	IT-L-1-1-5	15	51
478648	IT-L-1-1-5	10	51
478649	IT-L-1-1-5	15	51
478650	IT-L-1-1-5	15	51
478651	IT-L-1-1-5	15	51
478652	IT-L-1-1-5	15	51
478672	IT-I-1	300	42
478673	IT-I-1	300	42
478674	IT-S-2	6	42
478777	IT-L-1-1-6	100	38
478778	IT-L-1-1-6	100	38
478779	IT-L-1-1-6	100	38
478780	IT-L-1-1-6	100	38
478781	IT-L-1-1-6	100	38
478878	IT-I-1	190	32
478879	IT-I-1	190	32
478880	IT-I-1	190	32
478881	IT-I-1	190	32
478882	IT-S-2	6	32
479001	IT-I-1	210	19,27
479002	IT-I-1	300	44
479041	IT-S-2	6	26
479083	IT-I-4	25	49,51
479084	IT-S-2	6	49,51



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479272	IT-I-4	200		46
479273	IT-I-4	200		46
479274	IT-S-2	6		46
479292	IT-I-4	25		33,52
479293	IT-I-4	25		33,52
479294	IT-I-4	25		33,52
479295	IT-S-2	6		33,52
479297	IT-I-4	25		53
479298	IT-I-4	25		53
479299	IT-I-4	25		53
479300	IT-S-2	6		53
479308	IT-I-1	180		25
479309	IT-I-1	180		25
479310	IT-I-1	180		25
479311	IT-S-2	6		25
479339	IT-I-1	180		36
479340	IT-I-1	180		36
479341	IT-I-1	180		36
479342	IT-S-2	6		36
479349	IT-I-1	120		24
479434	IT-I-1	230		29
479435	IT-I-1	200		19
479441	IT-I-1	370		31
479442	IT-I-1	200		21
479478	IT-I-1	200		43
479479	IT-I-1	200		43
479480	IT-I-1	200		43
479481	IT-S-2	6		43
479549	IT-I-1	160		25
479550	IT-I-1	200		44
479551	IT-I-1	200		36
479552	IT-S-2	6		36
479596	IT-I-1	370		28
479597	IT-I-1	180		18
479598	IT-I-1	180		18
479599	IT-I-1	180		18
479600	IT-I-1	180		18
479601	IT-I-1	180		18
479602	IT-I-1	180		18
479603	IT-S-2	6		18
479635	IT-I-3	120		65
479636	IT-I-3	120		65
479637	IT-I-3	120		65
479638	IT-I-3	120		65
479639	IT-S-2	6		65
479646	IT-I-1	200		19
479647	IT-I-1	230		29
479695	IT-I-3	25		68
479696	IT-I-3	25		68
479697	IT-I-3	25		68
479698	IT-I-3	25		68
479699	IT-S-2	6		68
479729	IT-I-3	120		66
479730	IT-I-3	120		66
479731	IT-I-3	120		66
479732	IT-S-2	6		66
479733	IT-I-3	100		66
479734	IT-I-3	100		66
479735	IT-S-2	6		66
479750	IT-I-1	170		20
479877	IT-I-4	200		46
479919	IT-I-1	170		18
479997	IT-I-1	200		20,29
479998	IT-I-1	200		20,29
480000	IT-I-1	200		20,29
480001	IT-I-1	200		20,29
480002	IT-I-1	200		20,29
480003	IT-S-2	6		20,29
480034	IT-I-1	200		27
480037	IT-I-1	180		36
480065	IT-I-1	180		36
480095	IT-I-1	200		44
480099	IT-I-1	200		44

No	Unit		£ (/00 = 100 pieces)	Page
480100	IT-S-2	6		44
480111	IT-I-1	120		25
480112	IT-S-2	6		25
480136	IT-I-4	200		46
480171	IT-I-3	200		67,69
480172	IT-I-3	200		67,69
480173	IT-S-2	6		67,69
480192	IT-I-1	250		44
480193	IT-I-1	250		44
480194	IT-S-2	6		44
480195	IT-I-1	350		40
480196	IT-S-2	6		40
480235	IT-I-1	500		26
480236	IT-I-1	500		26
480237	IT-S-2	6		26
480262	IT-I-1	350		43
480263	IT-I-1	350		43
480264	IT-I-1	350		43
480265	IT-S-2	6		43
480295	IT-I-1	160		30
480296	IT-I-1	160		30
480297	IT-I-1	160		30
480298	IT-I-1	160		30
480299	IT-S-2	6		30
480300	IT-I-1	140		30
480301	IT-I-1	140		30
480302	IT-I-1	140		30
480303	IT-I-1	140		30
480304	IT-S-2	6		30
480382	IT-I-4	180		26
480383	IT-I-4	180		26
480384	IT-S-2	6		26
480444	IT-I-1	160		22
480445	IT-I-1	160		22
480446	IT-S-2	6		22
480467	IT-I-3	120		65
480501	IT-I-1	180		20
480502	IT-I-1	180		20
480503	IT-I-1	180		20
480504	IT-S-2	6		20
480506	IT-I-1	370		31
480624	IT-I-1	200		43
480625	IT-I-1	200		43
480626	IT-I-1	200		43
480627	IT-S-2	6		43
480720	IT-I-1	160		22
480730	IT-L-1-1-7	20		53
480731	IT-L-1-1-7	20		53
480732	IT-L-1-1-7	20		53
480733	IT-L-1-1-7	15		53
480734	IT-L-1-1-7	15		53
480735	IT-L-1-1-7	15		53
480736	IT-L-1-1-7	20		53
480737	IT-L-1-1-7	20		53
480738	IT-L-1-1-7	20		53
480919	IT-I-1	150		48,59
480920	IT-I-1	150		48,59
480921	IT-I-1	150		48,59
480922	IT-S-2	6		48,59
480970	IT-I-1	200		20,29
480988	IT-I-1	200		36
480989	IT-I-1	200		36
480990	IT-S-2	6		36
D				
D10424	IT-L-2-2	1		72
D10433	IT-L-2-3	1		72
D13530	IT-L-2-3	1		72
D13531	IT-L-2-3	1		72
D13532	IT-L-2-3	1		72
D13533	IT-L-2-3	1		72
D13534	IT-L-2-3	1		72
D13535	IT-L-2-3	1		72

No	Unit		£ (/00 = 100 pieces)	Page
D13536	IT-L-2-3	1		72
D13537	IT-L-2-3	5		72
D13538	IT-L-2-3	5		72
D13539	IT-L-2-3	5		72
D13540	IT-L-2-3	5		72
D13541	IT-L-2-3	5		72
D13542	IT-L-2-3	5		72
D13543	IT-L-2-3	5		72
D13544	IT-L-2-3	5		72
D13545	IT-L-2-2	1		72
D13546	IT-L-2-2	1		72
D13547	IT-L-2-2	1		72
D13548	IT-L-2-2	1		72
D13549	IT-L-2-2	1		72
D13550	IT-L-2-2	1		72
D13551	IT-L-2-2	1		72
D13552	IT-L-2-2	10		72
D13553	IT-L-2-2	10		72
D13554	IT-L-2-2	10		72
D13555	IT-L-2-2	10		72
D13556	IT-L-2-2	10		72
D13557	IT-L-2-2	10		72
D13558	IT-L-2-2	10		72
D560155	IT-S-3	5		78
D560163	IT-S-3	1		78
D569529	IT-S-3	1		78
D990321	IT-S-3	1		78
D990323	IT-S-3	1		78
D990324	IT-S-3	1		78



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