

6

HÄFELE

SEALS, THRESHOLDS AND FINGER PROTECTION BLIND SYSTEMS





Information



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Automatic door seals / brush seals

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Rebate seals

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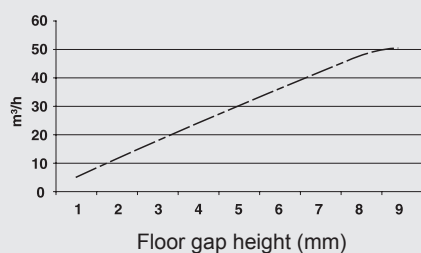
Application matrix																
Products		Length mm	Area of application						Installation			Protection against cold, draught and vermin	Soundproofing	Smoke control	Fire resistance	Page
			Interior wooden doors	Wooden sliding doors	Interior glass doors	For renovation purposes	For rebated doors	For butting inset doors	For groove mounting	For screw fixing	For glue fixing					
	Retractable door seals	583–1585	✓	✓	✓	✓	✓		✓	✓		✓	✓	✓	✓	6.6
	Sill seals	2500–5250	✓						✓		✓	✓	✓	✓	✓	6.19
	Brush seals	1000–2000	✓	✓		✓	✓	✓	✓	✓		✓				6.20
	Thresholds	715–2000	✓	✓	✓	✓	✓	✓		✓						6.21
	Rebate seals	2100–180000	✓			✓	✓	✓	✓			✓	✓	✓	✓	6.28

Area of application

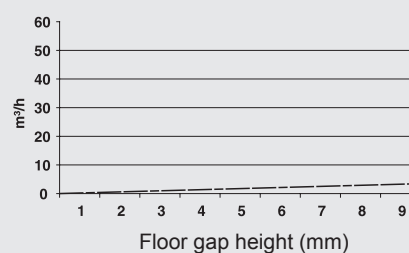
- > Protection against cold, draught and vermin
- > Reduces light leakage
- > Soundproofing
- > Smoke control
- > Fire resistance
- > Saves energy of air conditioning systems (see following example)

Example calculation of energy savings:

Door width 960 mm,
pressure difference between indoor and outdoor 10 Pa,
room temperature 25°C and relative humidity of 90 %,
outdoor temperature 35°C and relative humidity of 70 %,
floor gap 7 mm



Without seal: Leakage rate approx. 41 m³/h



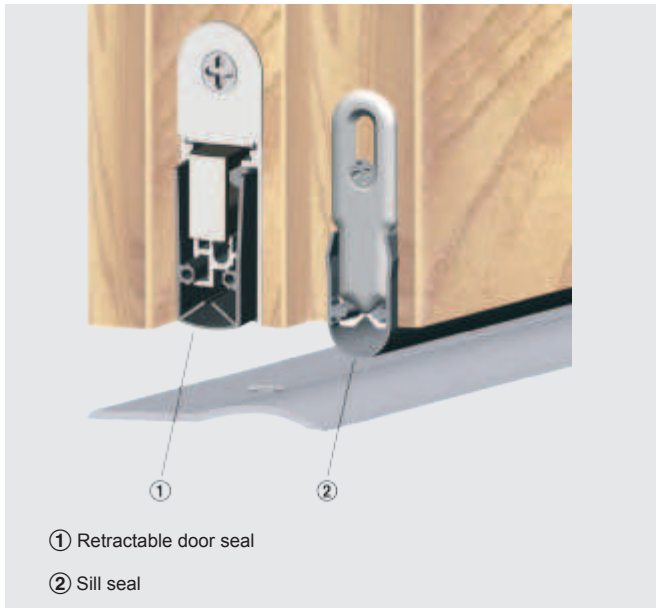
With seal: Leakage rate under 2 m³/h

The area of application in which the door is used is mainly governed by the sealing profile material (PVC or silicone). High quality, self-extinguishing silicone seals are used for fire resistant and smoke control doors.

Release

Retractable door seals are available with single-side or double-side release mechanism. Seals with single-side release (with double doors) are released on the hinge side or on the lock side, depending on the model. Double-side release always means release at the hinge side and at the lock side. With double-side release seals, the sealing profile is raised and lowered faster, which prolongs its life time considerably.

Functionality



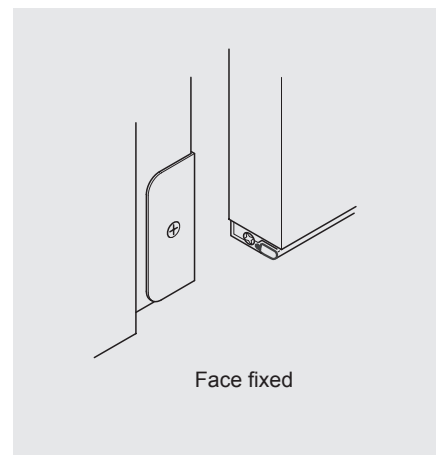
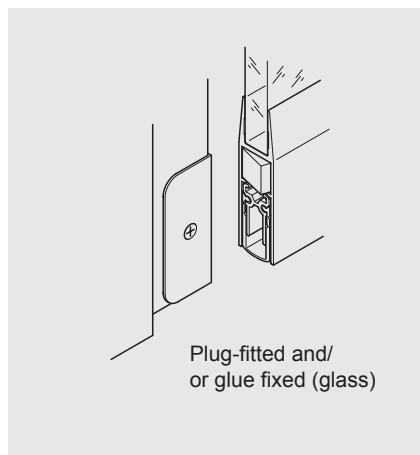
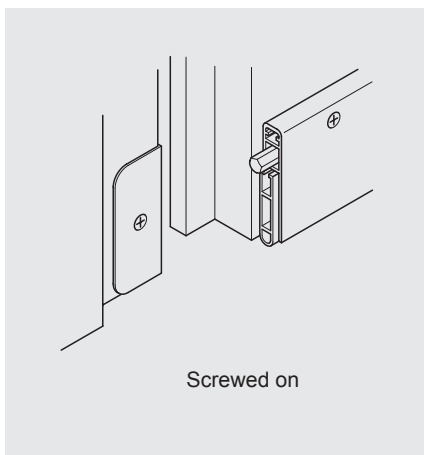
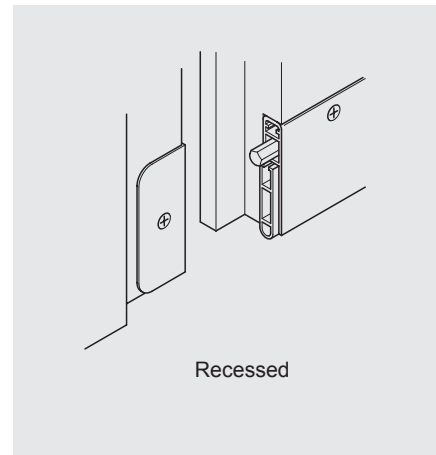
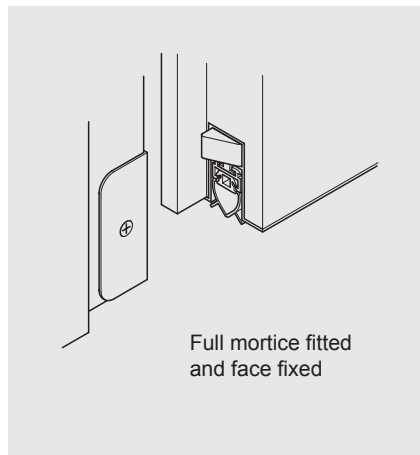
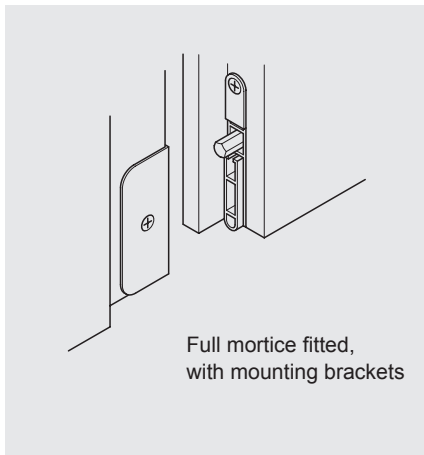
The sealing profile is pressed automatically against the floor or engages with a threshold as the door is closed.

Automatic door seals can be distinguished between retractable door seals and sill seals.

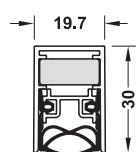
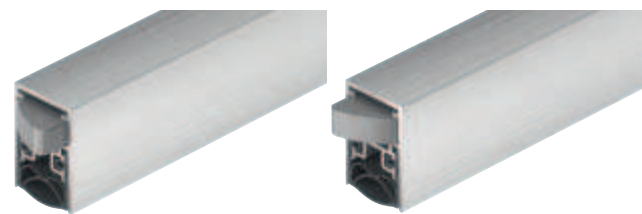
Sill seals are always used in combination with a threshold, it is, however, recommended to use retractable door seals also in combination with a threshold in case of carpet fitted floors or butt joints with different floor coverings.

Installation types

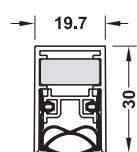
Automatic door seals can be fitted in different ways depending on the model and application.



DDS 20 Retractable door seal



Single-side release



Double-side release

- > Suitable for wet rooms
- > Rustproof interior mechanism



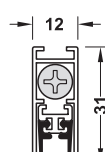
- > Area of application: For soundproof doors (DIN 4109), for smoke control doors in compliance with EN 1634-3, for fire resistant doors in compliance with EN 1634-1
- > Material: Carrier: Aluminium, sealing profile: Silicone, self-extinguishing
- > Finish: Carrier: Unfinished, sealing profile: Grey
- > Version: With single-side or double-side release (optional)
- > Sound proofing value: 51 dB with 7 mm floor gap
- > Sealing height: ≤12 mm
- > Installation: For full mortice fitting, with fixing brackets
- > Installation dim.: Groove: 20 x 30 mm
- > Mounting: For DIN left hand and DIN right hand use
- > Can be prepared for shoot bolt (optional)

Supplied with

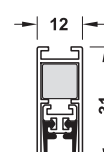
- 1 retractable door seal
- 2 fixing brackets with screws
- 1 release plate with screw with single-side release,
- 2 release plates with screws with double-side release

Length mm	Can be shortened to mm	Single-side release	Double-side release
630	583	950.05.910	—
730	708	950.05.911	950.05.921
830	708	950.05.912	950.05.922
930	833	950.05.913	950.05.923
1030	958	950.05.914	950.05.924
1130	1083	950.05.915	950.05.925

DDS 12 Retractable door seal



Single-side release



Double-side release

- > Area of application: For soundproofing doors (DIN 4109), for fire resistant and smoke control doors (BS and UL certified)
- > Material: Carrier: Aluminium, sealing profile: Silicone, self-extinguishing
- > Finish: Carrier: Unfinished, sealing profile: Grey
- > Version: With single-side or double-side release (optional)
- > Sound proofing value: 42 dB with 7 mm floor gap
- > Sealing height: ≤11 mm
- > Installation: For full mortice fitting, with mounting bracket
- > Installation dim.: Groove: 12 x 31 mm
- > Mounting: For DIN left hand and DIN right hand use

Supplied with

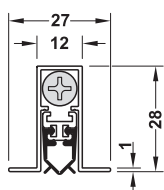
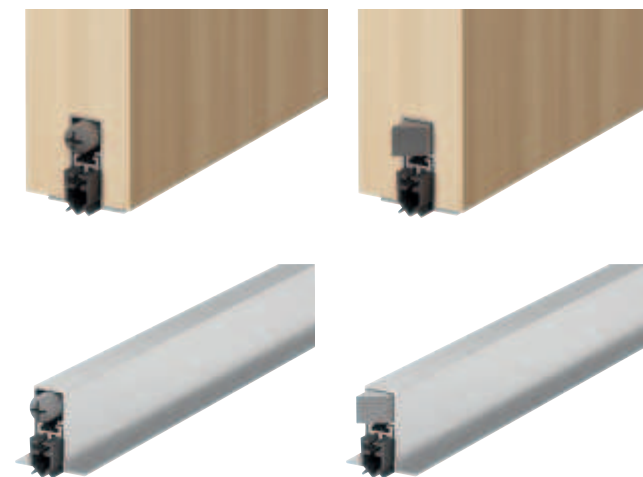
- 1 retractable door seal
- 2 mounting brackets with screws
- 2 release plates with screw

Length mm	Can be shortened to mm	Single-side release	Double-side release
630	583	950.05.340	—
730	605	950.05.341	950.05.961
830	705	950.05.342	950.05.962
930	833	950.05.343	950.05.963
1030	958	950.05.344	950.05.964
1130	1083	950.05.345	950.05.965

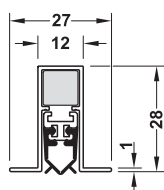
Thresholds

► AH 6.21

DDS 12 Retractable door seal



Single-side release



Double-side release

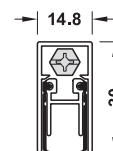
- > Area of application: For soundproof doors (DIN 4109), for smoke control doors in compliance with EN 1634-3, for fire resistant doors in compliance with EN 1634-1
- > Material: Carrier: Aluminium, sealing profile: Silicone, self-extinguishing
- > Finish: Carrier: Unfinished, sealing profile: Grey
- > Version: With single-side or double-side release (optional)
- > Sound proofing value: 42 dB with 7 mm floor gap
- > Sealing height: ≤11 mm
- > Installation: For full mortice fitting and face fixing
- > Installation dim.: Groove: 12 x 30 mm
- > Mounting: For DIN left and DIN right hand use

Supplied with

- 1 retractable door seal
- 2 release plates with screw

Length mm	Can be shortened to mm	Single-side release	Double-side release
630	583	950.05.970	–
730	605	950.05.971	950.05.981
830	705	950.05.972	950.05.982
930	833	950.05.973	950.05.983
1030	958	950.05.974	950.05.984
1130	1083	950.05.975	950.05.985

DDS 15 Retractable door seal



- > Area of application: For soundproof doors (DIN 4109), for smoke control doors in compliance with EN 1634-3, for fire resistant doors in compliance with EN 1634-1
- > Material: Carrier: Aluminium, sealing profile: Silicone, self-extinguishing
- > Finish: Carrier: Unfinished, sealing profile: Grey
- > Version: Single-side release (hinge side)
- > Sound proofing value: 51 dB with 7 mm floor gap
- > Sealing height: ≤14 mm
- > Installation: For full mortice fitting, with mounting bracket
- > Installation dim.: Groove: 15 x 30 mm
- > Mounting: For DIN left and DIN right hand use

Supplied with

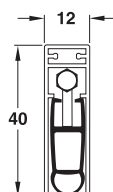
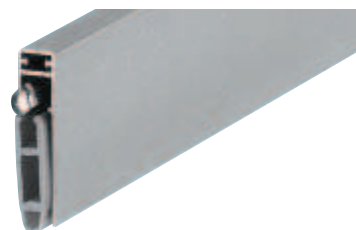
- 1 retractable door seal
- 2 mounting brackets with screws
- 1 release plate with screw

Length mm	Can be shortened to mm	Cat. No.
630	583	950.05.820
730	605	950.05.821
830	705	950.05.822
930	833	950.05.823
1030	958	950.05.824
1130	1083	950.05.825

Thresholds

► AH 6.21

Kältefeind® Allround Retractable door seal



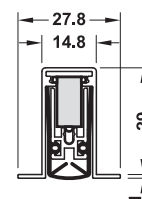
- > Material: Carrier: Aluminium, sealing profile: PVC
- > Finish: Carrier: Silver coloured anodized, sealing profile: Grey
- > Version: Single-side release (hinge side)
- > Sealing height: ≤18 mm
- > Installation: For full mortice fitting with fixing brackets, recess mounting or screw fixing, can be shortened at one end by ≤125 mm
- > Installation dim.: Groove: 12 x 40 mm
- > Mounting: For DIN left and DIN right hand use

Supplied with

- 1 retractable door seal
- 2 fixing brackets with screws
- 1 release plate with screw
- 1 contact wedge
- 3 countersunk head screws 3.5 x 32 mm

Length mm	Cat. No.
583	950.05.100
708	950.05.101
833	950.05.102
958	950.05.103
1083	950.05.104
1208	950.05.105

Schall-Ex® L-15/30 OS Retractable door seal



- > Area of application: For soundproof doors (DIN 4109), for smoke control doors in compliance with EN 1634-3, for fire resistant doors in compliance with EN 1634-1
- > Material: Carrier: Aluminium, sealing profile: Silicone, self-extinguishing
- > Finish: Carrier: Bright, sealing profile: Grey
- > Version: Single-side release (hinge side)
- > Sound proofing value: 52 dB with 7 mm floor gap, 51 dB with 15 mm floor gap
- > Sealing height: ≤20 mm
- > Installation: For full mortice fitting and face fixing (also fixed sizes), can be shortened by ≤125 mm from length of 708 mm (also fixed sizes)
- > Installation dim.: Groove: 15 x 30 mm
- > Mounting: For DIN left and DIN right hand use

Supplied with

- 1 retractable door seal

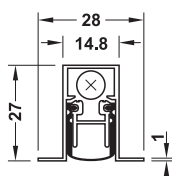
Length mm	Cat. No.
583	950.05.560
708	950.05.561
833	950.05.562
958	950.05.563
1083	950.05.564
1208	950.05.565

Order reference

Fixed lengths available on request.

Semi-circular threshold trim	► AH 6.21
Flat threshold trim	► AH 6.22

Schall-Ex® Duo L-15/28 OS Retractable door seal



- > Area of application: For soundproof doors (DIN 4109), for smoke control doors in compliance with EN 1634-3, for fire resistant doors in compliance with EN 1634-1
- > Material: Carrier: Aluminium, sealing profile: Silicone, self-extinguishing
- > Finish: Carrier: Bright, sealing profile: Grey
- > Version: Double-side release
- > Sound proofing value: 50 dB with 7 mm floor gap
- > Sealing height: ≤12 mm
- > Installation: For full mortice fitting and face fixing (also fixed lengths), lengths from 833 mm can be shortened by ≤125 mm (also fixed lengths)
- > Installation dim.: Groove: 15 x 28 mm
- > Mounting: For DIN left and DIN right hand use

Supplied with

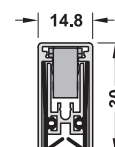
- 1 retractable door seal
- 2 release plates with screws

Length mm	Cat. No.
708	950.05.521
833	950.05.522
958	950.05.523
1083	950.05.524
1208	950.05.525
1333	950.05.526

Order reference

Fixed lengths available on request.

Schall-Ex® L-15/30 WS Retractable door seal



- > Adapts perfectly to any floor condition due to 3-spring mechanism
- > No offset of internal rail



- > Area of application: For soundproof doors (DIN 4109), for smoke control doors in compliance with EN 1634-3, for fire resistant doors in compliance with EN 1634-1
- > Material: Carrier: Aluminium, sealing profile: Silicone, self-extinguishing
- > Finish: Carrier: Bright, sealing profile: Grey
- > Version: Single-side release (hinge side)
- > Sound proofing value: 52 dB with 7 mm floor gap, 51 dB with 15 mm floor gap
- > Sealing height: ≤20 mm
- > Installation: For full mortice fitting with fixing brackets (also fixed lengths), lengths from 708 mm can be shortened by ≤125 mm (also fixed lengths)
- > Installation dim.: Groove: 15 x 30 mm
- > Mounting: For DIN left and DIN right hand use

Supplied with

- 1 retractable door seal

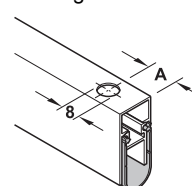
Length mm	Cat. No.
583	950.05.550
708	950.05.551
833	950.05.552
958	950.05.553
1083	950.05.554
1208	950.05.555

Order reference

Fixed lengths available on request.

Preparation available on request:

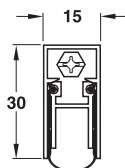
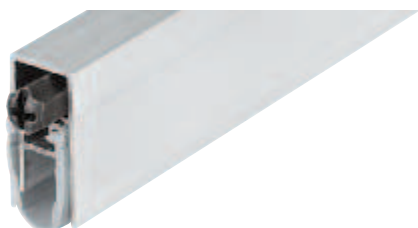
- > For shoot bolt (Ø 8 mm), please specify dim. A
- > For Athmer TK-15/BXL edge bolt.



Edge bolt solution

Semi-circular threshold trim	► AH 6.21
Flat threshold trim	► AH 6.22

Schall-Ex® DUO L-15 WS Retractable door seal



- > Adapts perfectly to any floor condition due to 3-spring mechanism
- > Abrasive surface reduced by up to 83%



- > Area of application: For soundproof doors (DIN 4109), for smoke control doors in compliance with EN 1634-3, for fire resistant doors in compliance with EN 1634-1
- > Material: Carrier: Aluminium, sealing profile: Silicone, self-extinguishing
- > Finish: Carrier: Bright, sealing profile: Grey
- > Version: Double-side release
- > Sound proofing value: 51 dB with 6 mm floor gap, 50 dB with 7 mm floor gap
- > Sealing height: ≤12 mm
- > Installation: For full mortice fitting with mounting brackets (also fixed sizes), lengths from 833 mm can be shortened by ≤125 mm (also fixed sizes)
- > Installation dim.: Groove: 15 x 30 mm
- > Mounting: For DIN left and DIN right hand use

Supplied with

- 1 retractable door seal
- 2 release plates with screws

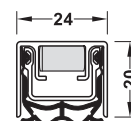
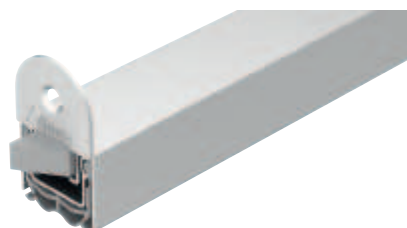
Length mm	Cat. No.
708	950.05.501
833	950.05.502
958	950.05.503
1083	950.05.504
1208	950.05.505

Order reference

Fixed lengths available on request.

Semi-circular threshold trim	► AH 6.21
Flat threshold trim	► AH 6.22

Rainstop M-24/20 WS Retractable door seal



- Driving rain seal for barrier-free external doors



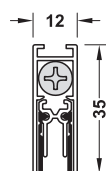
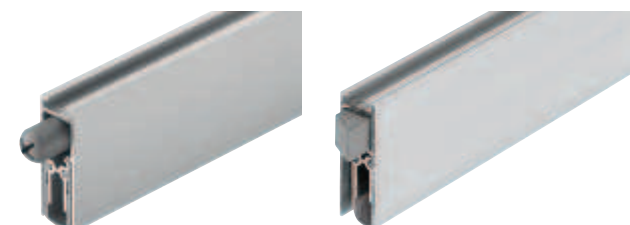
- > Area of application: For inward and outward opening doors
- > Material: Carrier: Aluminium, sealing profile: Silicone, self-extinguishing
- > Finish: Carrier: Silver anodized, sealing profile: Grey
- > Version: Single-side release
- > Sound proofing value: 51 dB with 7 mm floor gap
- > Sealing height: ≤13 mm
- > Installation: For full mortice fitting, with mounting brackets (also fixed sizes), length from 750 mm can be shortened at both ends end by 75 mm, adjustment without tools
- > Installation dim: Groove: 24 x 20 mm
- > Mounting: For DIN left and right hand use

Supplied with

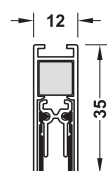
- 1 retractable door seal
- 1 release plate with screw
- 2 mounting brackets with screws
- 2 corner seals

Length mm	Cat. No.
900	950.05.830
975	950.05.831
1050	950.05.832
1125	950.05.833
1200	950.05.834
1275	950.05.835
1350	950.05.836
1425	950.05.837
1500	950.05.838

Doppeldicht® M-12/35 Retractable door seal



Single-side release



Double-side release

- > Area of application: **Suitable for particularly thin doors and double rebated doors**, for soundproof doors (DIN 4109), for smoke control doors in compliance with EN 1634-3, for fire resistant doors in compliance with EN 1634-1
- > Material: Carrier: Aluminium, sealing profile: Silicone, self-extinguishing
- > Finish: Carrier: Bright, sealing profile: Grey
- > Version: With single-side or double-side release (optional)
- > Sound proofing value: 49 dB with 7 mm floor gap
- > Sealing height: ≤11 mm
- > Installation: For full mortise fitting, with fixing brackets, can be shortened at one or both ends, can be shortened at one end by max. 125 mm
- > Installation dim.: Groove: 12 x 35 mm
- > Mounting: For DIN left and DIN right hand use

Supplied with

- 1 retractable door seal
- 2 fixing brackets with screws
- 1 release plate with screw with single-side release
- 2 release plates with screws with double-side release

Length mm	Single-side release	Double-side release
708	950.05.191	950.05.091
833	950.05.192	950.05.092
958	950.05.193	950.05.093
1083	950.05.194	950.05.094
1208	950.05.195	950.05.095

Semi-circular threshold trim ► AH 6.21

Flat threshold trim ► AH 6.22

TURNING CHALLENGES INTO SOLUTIONS.

HÄFELE.
SYSTEM EXPERTISE PROJECTS.



In anything to do with the development of projects, Häfele assists you with a unique service, whose mainstay is manufacturer-independent advice. Many employees in the project area advise planners, architects and builders in the implementation of their ideas. The basis for this is industrial expertise.

The company founded in 1923 by Adolf Häfele is now one of the leading international specialists for furniture fittings and architectural hardware as well as electronic access control systems.

More than 7,600 employees look after about 165,000 customers all over the world. The proximity to the market and the customers was and still is an innovative driver for Häfele.

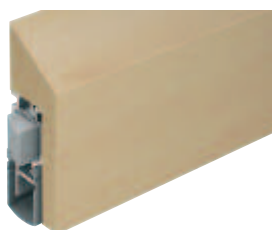
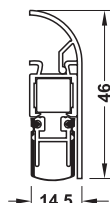
Schall-Ex® Applic

Retractable door seal

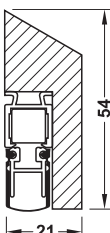
Soundproofing without grooves
For retrofitted smoke control



Schall-Ex® Applic A



Schall-Ex® Applic T



- > Area of application: For soundproof doors (DIN 4109) for smoke control doors in compliance with EN 1634-3 for fire resistant doors in compliance with EN 1634-1
- > Material: Applic A cover profile: Aluminium, Applic T cover profile: Oak, sealing profile: Silicone, self-extinguishing
- > Finish: Applic A cover profile: Silver coloured anodized or white (RAL 9016), Applic T cover profile: Untreated oak, for matching the finish of the door on site, sealing profile: Grey
- > Version: Single-side release (hinge side)
- > Sealing height: ≤11 mm
- > Installation: For screw fixing to push side, can be shortened at one end by ≤125 mm cover profile is clipped into the screwed on sealing profile (Applic A) or screwed onto sealing profile (Applic T)
- > Mounting: For DIN left and DIN right hand use

Supplied with

- 1 retractable door seal
- 1 cover profile
- 1 release plate with screw
- 5 countersunk head screws, galvanized
- 4 countersunk head screws, yellow galvanized

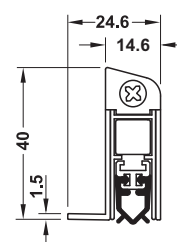
Length mm	Applic A Silver coloured anodized	White, RAL 9016	Applic T Oak
805	950.15.500	950.15.510	950.15.520
930	950.15.501	950.15.511	950.15.521
1055	950.15.502	950.15.512	950.15.522

Order reference

Fixed lengths available on request.

Wind-Ex® US

Retractable door seal



- > Material: Carrier: Aluminium, sealing profile: PVC, cover profile: Aluminium
- > Finish: Sealing profile: Grey, cover profile: Dark bronze anodized, silver coloured anodized or white
- > Version: Single-side release
- > Sealing height: ≤11 mm
- > Installation: Concealed, from underneath to door leaf, can be shortened at one end by ≤125 mm, can be retrofitted
- > Mounting: For DIN left and DIN right hand use

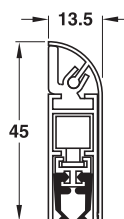
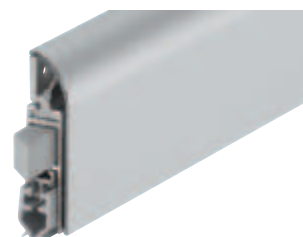
Supplied with

- 1 retractable door seal
- 1 pressure plate
- 6 chipboard screws 3 x 16 mm
- 1 contact wedge
- 2 surface mounted covers
- 1 countersunk head screw 4.2 x 50 mm

Length mm	Dark bronze anodized	Silver coloured anodized	White
735	950.07.830	950.07.820	950.07.840
860	950.07.831	950.07.821	950.07.841
985	950.07.832	950.07.822	950.07.842
1110	950.07.833	950.07.823	950.07.843

Semi-circular threshold trim	► AH 6.21
Flat threshold trim	► AH 6.22

Wind-Ex® Retractable door seal



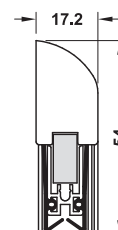
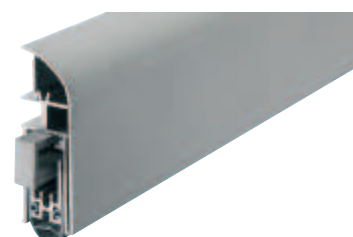
- > Material: Carrier: Aluminium, sealing profile: PVC, cover profile: Aluminium
- > Finish: Carrier: Bright, sealing profile: Grey, cover profile: Silver coloured anodized, dark bronze anodized or white, RAL 9016
- > Version: Single-side release
- > Sealing height: ≤11 mm
- > Installation: For screw fixing to one door side, can be shortened at one end by ≤125 mm, can be retrofitted to pull side or push side of door, cover profile is clipped into screwed on fixing parts
- > Mounting: For DIN left and DIN right hand use

Supplied with

- 1 retractable door seal
- 3 fixing parts with screws
- 1 cover profile with spacer
- 1 release plate with screw

Length mm	Dark bronze anodized	Silver coloured anodized	White, RAL 9016
735	950.07.010	950.07.000	950.07.020
860	950.07.011	950.07.001	950.07.021
985	950.07.012	950.07.002	950.07.022
1110	950.07.013	950.07.003	950.07.023

Schall-Ex® L-15 FS Retractable door seal



- > Material: Carrier: Aluminium, sealing profile: PVC, cover profile: Silver coloured anodized C-0
- > Finish: Carrier: Bright, sealing profile: Grey
- > Version: Single-side release
- > Sound proofing value: 52 dB with 7 mm floor gap, 51 dB with 15 mm floor gap
- > Sealing height: ≤20 mm
- > Installation: For screw fixing to one door side, can be shortened at one end by ≤125 mm, can be retrofitted to pull side or push side of door, cover profile is clipped into screwed on fixing parts
- > Mounting: For DIN left and DIN right hand use

Supplied with

- 1 retractable door seal
- 3 fixing parts with screws
- 1 cover profile

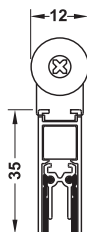
Length mm	Cat. No.
805	950.07.031
930	950.07.032
1055	950.07.033

Order reference

Fixed lengths available on request.

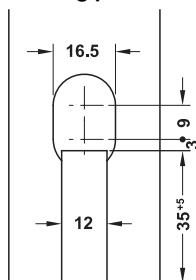
Semi-circular threshold trim	► AH 6.21
Flat threshold trim	► AH 6.22

Schall-Ex® Slide & Lock M-12 WS Retractable door seal

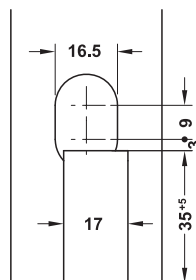


- > Area of application: For sliding doors **without lock**, for automatic sliding doors, for sliding doors where soundproofing, smoke control and fire resistance are required
- > Material: Carrier: Aluminium, sealing profile: Silicone, self-extinguishing
- > Finish: Carrier: Silver coloured, sealing profile: Grey
- > Version: Single-side release
- > Sealing height: ≤11 mm
- > Installation: For full mortice fitting, with fixing brackets, can be shortened at one end by ≤125 mm
- > Installation dim.: Groove: 12 x 35 mm (with floor guide 17 x 35 mm)
- > Mounting: For DIN left and DIN right hand use
- > Low release pressure (only 20 N/m)
- > Adhesive magnet integrated in fixing bracket prevents unintentional opening

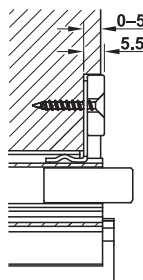
Routing pattern



Without floor guide



With floor guide



Routing depth

Supplied with

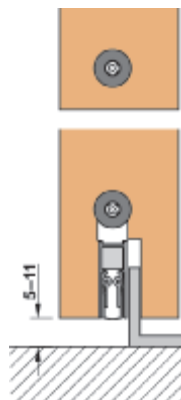
- 1 sliding door seal
- 2 fixing brackets with screws
- 1 pressure plate, 1.5 mm thick
- 1 adhesive magnet

Length mm	Cat. No.
833	950.05.282
958	950.05.283
1083	950.05.284

Order reference

Special lengths up to 1,958 mm and other sliding door seals for different door thicknesses available on request.

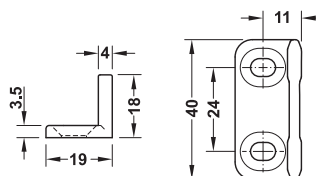
→ Accessories



Sliding door seal with floor guide and additional adhesive magnet

- > Installation: Floor gap 5–11 mm when using the floor guide

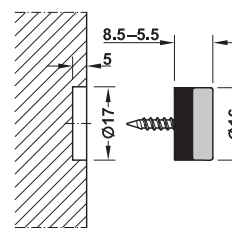
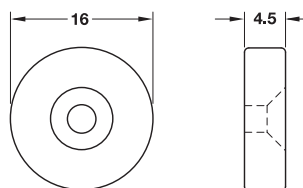
Floor guide



- > Material: Plastic
- > Colour: Grey
- > Fixing material supplied

	Cat. No.
Floor guide	950.05.180

Adhesive magnet



Routing depth

- > Area of application: Additional adhesive magnet for top side, provides exact alignment of closed door
- > Holding power: Approx. 70 N

Supplied with

- 1 adhesive magnet
- 1 pressure plate
- 3 screws

	Cat. No.
Adhesive magnet	950.05.182

Schall-Ex Slide & Lock M-20 WS
Retractable door seal



- > Area of application: For sliding doors **without lock**, for automatic sliding doors, for sliding doors where soundproofing, smoke control and fire resistance are required
- > Material: Carrier: Aluminium, sealing profile: Silicone, self-extinguishing
- > Finish: Carrier: Anodized, sealing profile: Grey
- > Version: Single-side release
- > Sealing height: ≤12 mm
- > Installation: For full mortice fitting, with fixing bracket, can be shortened at one end by ≤125 mm
- > Mounting: For DIN left hand and DIN right hand use
- > Low release pressure (only 20 N/m)
- > Adhesive magnet integrated in fixing bracket prevents unintentional opening

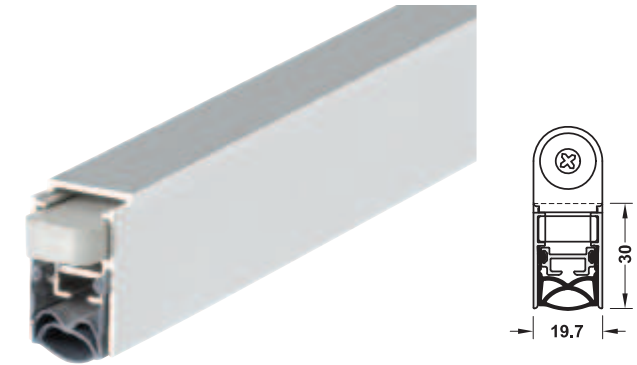
Supplied with

- 1 sliding door seal
- 2 fixing brackets with screws
- 1 pressure plate, 1.5 mm thick
- 1 adhesive magnet

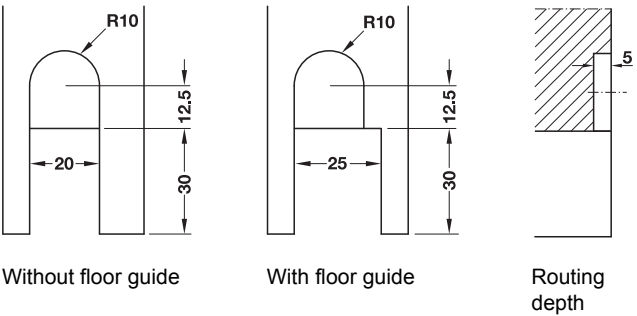
Length mm	Cat. No.
833	950.05.172
958	950.05.173
1083	950.05.174

Order reference

Special lengths up to 2,000 mm and other sliding door seals for different door thicknesses available on request.



Routing pattern



DGH-B-INT 2019, HDE-en, 12/18; Dimensional data not binding. We reserve the right to alter specifications without notice.

6

GAEB

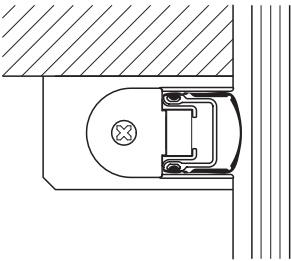
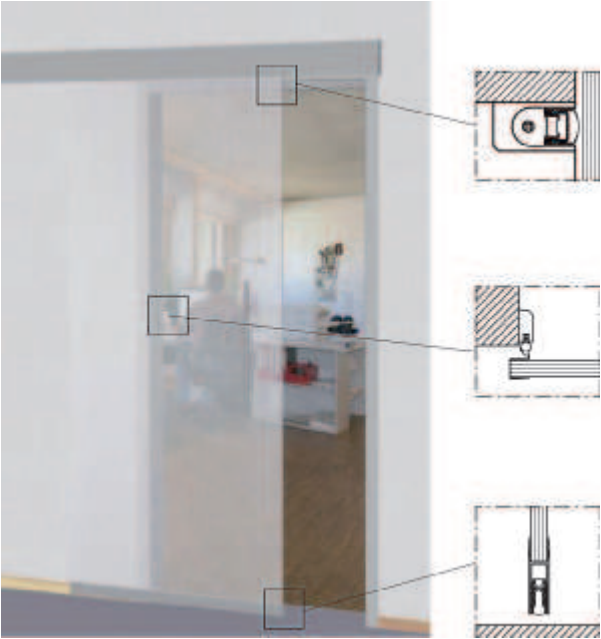
CAD

"Rundumdicht" for sliding doors

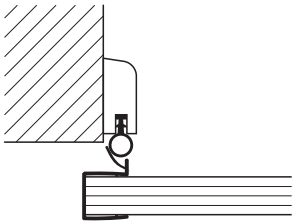
The complete sealing system for all-glass sliding doors
For increased sound insulation, draught proofing and smoke control

- System consists of
- > Top: Schall-Ex Slide
 - > Side: 2 x sealing strips with silicone profile, 1 x door leaf profile
 - > Bottom: Schall-Ex Slide

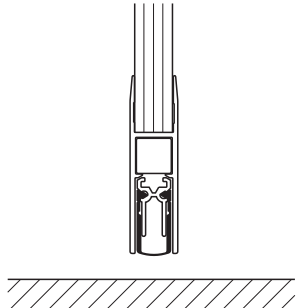
Please provide horizontal and vertical section as CAD record in the format DXF or DWG for individual planning.



Top door seal on top edge of frame



Lateral seal for outer edge



Bottom door seal on door leaf

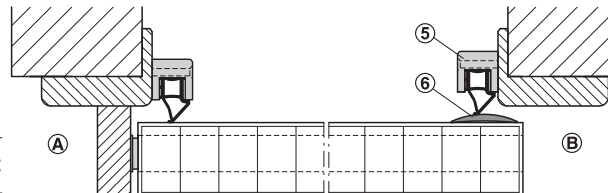
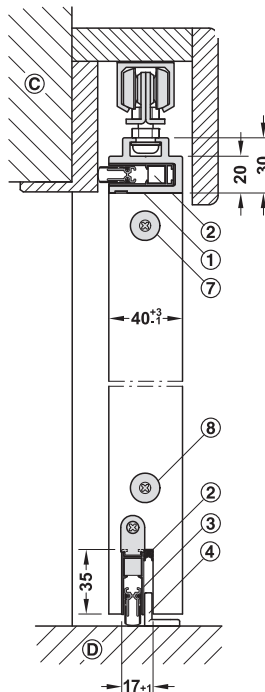
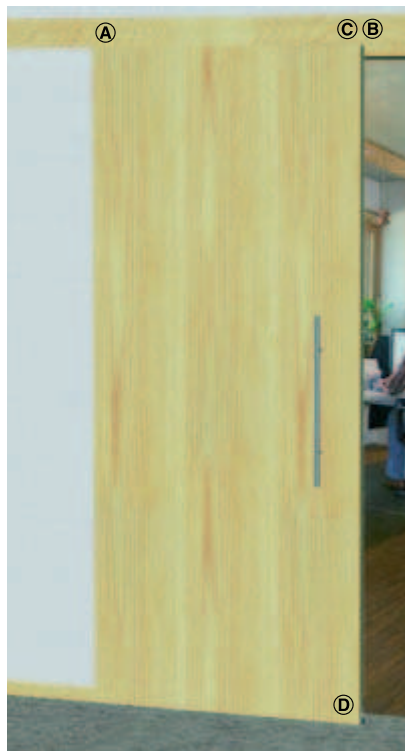
Example

System for a door with frame opening dim. up to 2 x 1 m	All-glass sliding door running in front of the wall
Top door seal	Schall-Ex Slide L-24/20 WS with installation bracket
Lateral seal	2 x 2 m Unitherm strip with silicone profile
Door leaf profile	1 x 2 m plastic profile for plug fitting
Door leaf guide	Guide for wall mounting
Bottom door seal	Schall-Ex Slide GS H-8 / H-10
Accessories	1 pair of release components for top and bottom

Complete sealing system

For wooden sliding doors running in front of the wall

Increased sound insulation, draught proofing and smoke control



Example

	Type VHH	Door leaf 2000 x 958 mm
①	Slide-Adapter-12 prepared for roller equipment with M8 connection max. door weight 80 kg	958 mm
②	Schall-Ex® Slide M-12 SLA	958 mm (2 pieces)
③	Slide 5 compensation seal	1 m
④	Floor guide	1 piece
⑤	Unitherm Slide 22/22	2 x 2 m
⑥	253 threshold	2 m
⑦	Magnets	2 pieces

> Area of application: Door weight max. 80 kg,
door width max. 1,959 mm,
for trolley hanger with M8 connection

Order reference

Fixed lengths available on request.

Lengths from 708 mm can be shortened by 125 mm.

A CAD record of the horizontal and vertical cuts in DXF or

DWG format is required when ordering fixed lengths.

For use in combination with Slido 40P and 80P.

Works only with compass bolt and without soft and self closing mechanism.

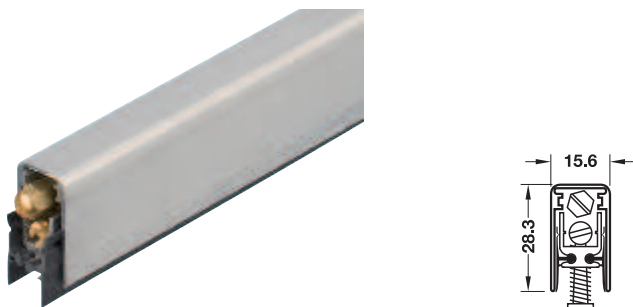
Type	Length mm	Cat. No.
Complete sealing system		
VHH set M12	708	950.15.551
VHH set M12	833	950.15.552
VHH set M12	958	950.15.553
VHH set M12	1083	950.15.554
VHH set M12	1208	950.15.555

Optional		
Unitherm Slide 22/22	2000	950.15.561
Unitherm Slide 22/22	2500	950.15.562
253 threshold	2000	950.15.571
253 threshold	2500	950.15.572
Additional magnet	—	950.05.182

Supplied with

- 1 Slide-Adapter-12
- 2 Schall-Ex® Slide M-12 SLA
- 1 Slide 5 compensation seal
- 1 floor guide
- 2 magnets

1770NS Retractable door seal



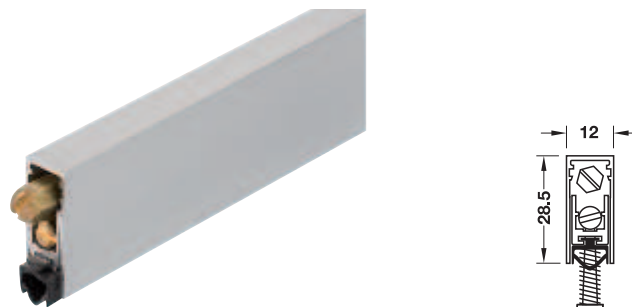
- > Area of application: For soundproof doors
- > Material: Carrier: Aluminium, sealing profile: Silicone
- > Finish: Carrier: Bright, sealing profile: Black
- > Version: Single-side release, internal profile can be removed, hexagonal adjustment pin: Brass, second level adjustment screw: Brass, 2 stainless steel tension springs, 2 pre-mounted, self-tapping screws
- > Sound proofing value: 46 dB with 6 mm floor gap, 44 dB with 8 mm floor gap
- > Sealing height: ≤13 mm
- > Installation: For full mortice fitting, carrier must be installed separately
- > Installation dim.: Groove: 15.6 x 28.3 mm
- > Can be shortened by: 100 mm
- > Mounting: For DIN left hand and DIN right hand use

Supplied with

1 retractable door seal
2 pre-mounted threaded screws

Length mm	Cat. No.
830	950.26.005
930	950.26.006
1030	950.26.007

1772 Retractable door seal



- > Area of application: For soundproof doors
- > Material: Carrier: Aluminium, sealing profile: Silicone
- > Finish: Carrier: Bright, sealing profile: Black
- > Version: Single-side release, internal profile can be removed, hexagonal adjustment pin: Brass, second level adjustment screw: Brass, 2 stainless steel tension springs, 2 pre-mounted, self-tapping screws
- > Sound proofing value: 38 dB with 6 mm floor gap
- > Sealing height: ≤13 mm
- > Installation: For full mortice fitting
- > Installation dim.: Groove: 12 x 28.5 mm
- > Can be shortened by: 100 mm
- > Mounting: For DIN left hand and DIN right hand use

Supplied with

1 retractable door seal
2 pre-mounted threaded screws

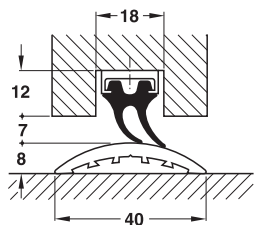
Length mm	Cat. No.
830	950.26.015
930	950.26.016
1030	950.26.017

Sill seal

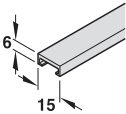
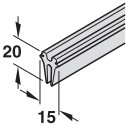
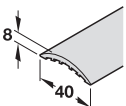


- > Area of application: For soundproof doors
- > Installation dim.: Groove: 18 x 12 mm

Installation



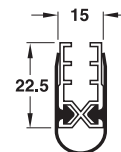
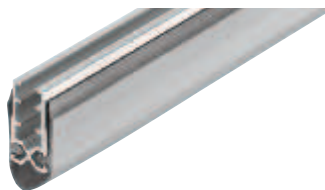
Carrier is screwed on
Sill track is screwed and/or glued on

	Material	Finish	Length m	Packing pieces	Cat. No.
Carrier					
	Aluminium	Bright	2.55	1	950.07.418
			5.25	1	950.07.415
Twin sealing strip, blade type					
	EPDM (ethylene-propylene-diene-monomer)	Black	2.50	1	950.07.421
			5.00	1	950.07.422
Sill track					
	Aluminium	Bright	2.55	1	950.07.420
			5.25	1	950.07.416

Order reference

Sill seal only available in individual components, not as a set.

Athmer A-15 Sill seal

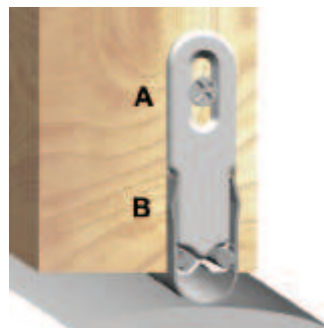


Lying closely against the groove laterally and sealing profile extension to the frame provide a high sealing effect



- > Area of application: For soundproof doors (DIN 4109), for smoke control doors in compliance with EN 1634-3, for fire resistant doors in compliance with EN 1634-1, for use with semi-circular threshold trim
- > Material: Carrier: Aluminium, sealing profile: Silicone, self-extinguishing
- > Finish: Carrier: Bright, sealing profile: Grey
- > Sound proofing value: 53 dB with 7 mm floor gap
- > Sealing height: ≤15 mm
- > Installation: For full mortice fitting, with fixing brackets, can be shortened as required, adjustable sealing height
- > Installation dim.: Groove: 15 x 22.5 mm (groove depth can be up to 35 mm)

Installation



- A Fine adjustment up to 10 mm
- B 2 different mounting positions of fixing brackets

Supplied with

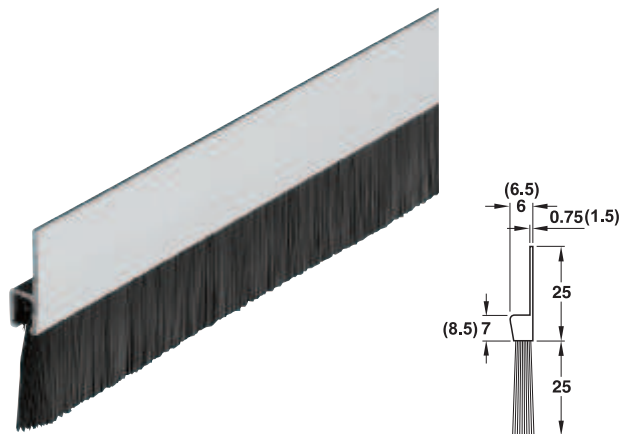
- 1 sill seal
- 2 fixing brackets with screws

Length mm	Cat. No.
583	950.08.100
708	950.08.101
833	950.08.102
958	950.08.103
1083	950.08.104
1208	950.08.105

Semi-circular threshold trim	► AH 6.21
Flat threshold trim	► AH 6.22

Brush seal

For screw fixing



Dimensions in round brackets apply to the aluminium profile

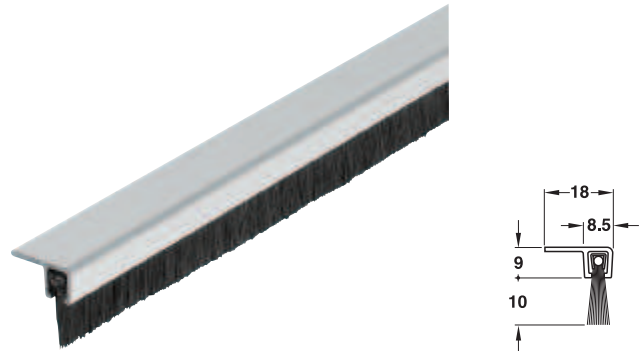
- > Material: Filaments: Horsehair or polyamide, carrier: Sheet steel or aluminium
- > Finish: Filaments: Horsehair, natural colour or black, carrier: Galvanized or silver coloured anodized

Length mm	Sheet steel horsehair, natural colour	Aluminium, polyamide, black
1000	950.06.080	950.06.085
1250	950.06.082	950.06.087
2000	950.06.083	950.06.088

Order reference
Other filament heights available on request.

Brush seal

For screwing underneath

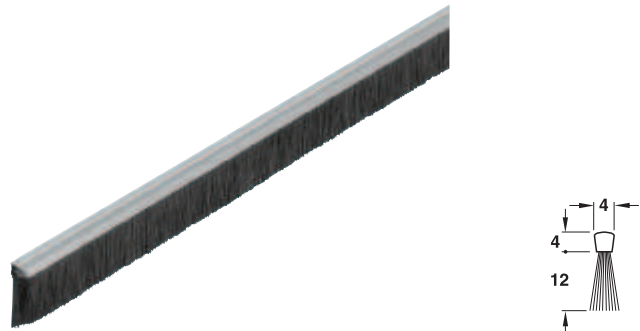


- > Material: Filaments: Polyamide, carrier: Aluminium
- > Finish: Filaments: Black, carrier: Silver coloured anodized

Length mm	Cat. No.
1000	950.06.120
1250	950.06.122
2000	950.06.123

Brush seal

For full mortice fitting

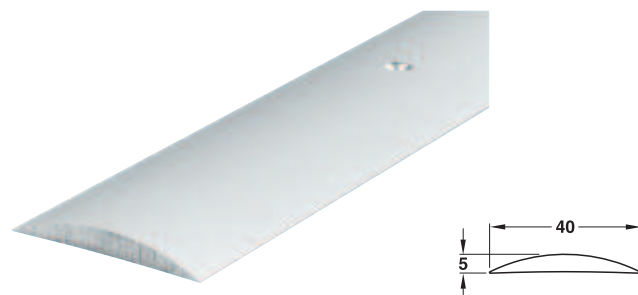


- > Material: Filaments: Polyamide, carrier: Sheet steel
- > Finish: Filaments: Black, carrier: Galvanized

Length mm	Cat. No.
1000	950.06.090
1250	950.06.092
2000	950.06.093

DGH-B-INT 2019, HDE-en, 12/18; Dimensional data not binding. We reserve the right to alter specifications without notice.

Semi-circular threshold trim 090



- > Area of application: To compensate uneven floor heights
- > Material: Aluminium
- > Finish: Silver coloured anodized
- > Version: Pre-drilled, countersunk

Supplied with

- 1 threshold trim
- 6 plugs
- 6 countersunk head screws

Length mm	Cat. No.
715	950.06.001
840	950.06.002
965	950.06.003
1090	950.06.004
1215	950.06.005

Order reference

Without drill holes, other fixed lengths and Eloxal shades according to EURAS are available on request.

Semi-circular threshold trim 164



- > Area of application: To compensate uneven floor heights, in combination with a retractable door seal or sill seal
- > Material: Stainless steel
- > Finish: Satin brushed
- > Version: Pre-drilled, countersunk
- > Material thickness: 2 mm

Supplied with

- 1 threshold trim
- 6 plugs
- 6 countersunk head screws

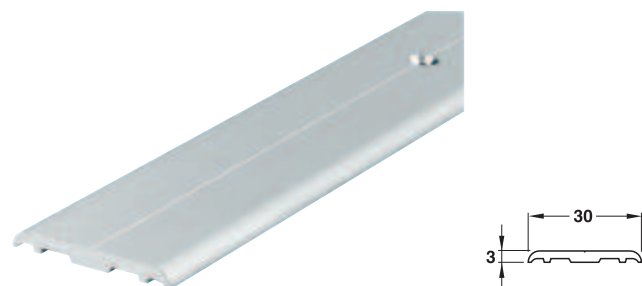
Length mm	Cat. No.
715	950.06.071
840	950.06.072
965	950.06.073
1090	950.06.074
1215	950.06.075

Order reference

Without drill holes and other fixed lengths available on request.

Flat threshold trim 308

For tiled floors and uneven floors



- > Area of application: Seal for butt joints (for uneven floors), in combination with a retractable door seal
- > Material: Aluminium
- > Finish: Silver coloured anodized
- > Version: Pre-drilled, countersunk

Supplied with

1 threshold trim
6 plugs
6 countersunk head screws

Length mm	Cat. No.
715	950.06.051
840	950.06.052
965	950.06.053
1090	950.06.054
1215	950.06.055

Order reference

Without drill holes, other fixed lengths and Eloxi shades according to EURAS are available on request.

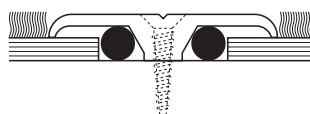
Flat threshold trim 088

For carpets



- > Area of application: Soundproofing with fitted carpets, in combination with a retractable door seal
- > Material: Aluminium
- > Finish: Silver coloured anodized
- > Version: With raised centre bar, pre-drilled, countersunk

Installation



- > The carpet is cut out in the area of the centre bar.
- > Silicone sealing material is applied to this area.
- > The threshold trim is screwed down flush with the floor.

Supplied with

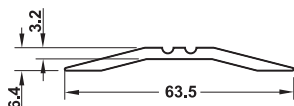
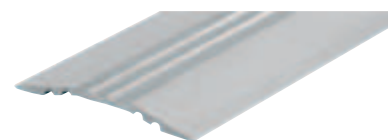
1 threshold trim
6 plugs
6 countersunk head screws

Length mm	Cat. No.
715	950.06.031
840	950.06.032
965	950.06.033
1090	950.06.034

Order reference

Without drill holes, other fixed lengths and Eloxi shades according to EURAS are available on request.

Threshold, width 63.5 mm



- > Area of application: To compensate uneven floor heights, in combination with a retractable door seal or sill seal
- > Material: Aluminium
- > Finish: Anodized
- > Installation: For screw fixing

Supplied with

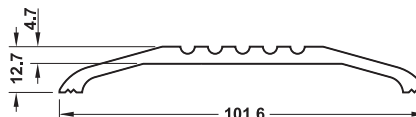
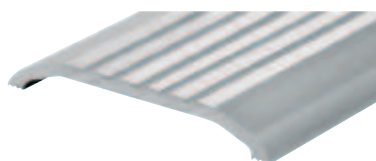
1 threshold trim
6 plugs
6 countersunk head screws

Length mm	Cat. No.
1000	950.13.021
2000	950.13.022

Order reference

Other lengths up to 3,600 mm available on request.

Threshold, width 101.6 mm



- > Area of application: To compensate uneven floor heights, in combination with a retractable door seal or sill seal
- > Material: Aluminium
- > Finish: Anodized
- > Installation: For screw fixing

Supplied with

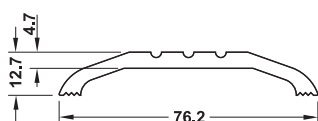
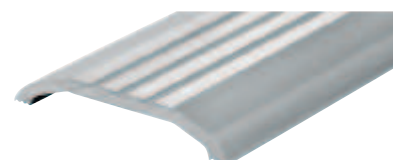
1 threshold trim
6 plugs
6 countersunk head screws

Length mm	Cat. No.
1000	950.13.281
2000	950.13.282

Order reference

Other lengths up to 3,600 mm available on request.

Threshold, width 76.2 mm



- > Area of application: To compensate uneven floor heights, in combination with a retractable door seal or sill seal
- > Material: Aluminium
- > Finish: Anodized
- > Installation: For screw fixing

Supplied with

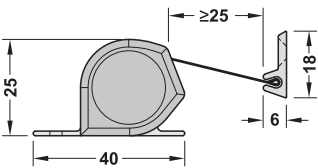
1 threshold trim
6 plugs
6 countersunk head screws

Length mm	Cat. No.
1000	950.13.271
2000	950.13.272

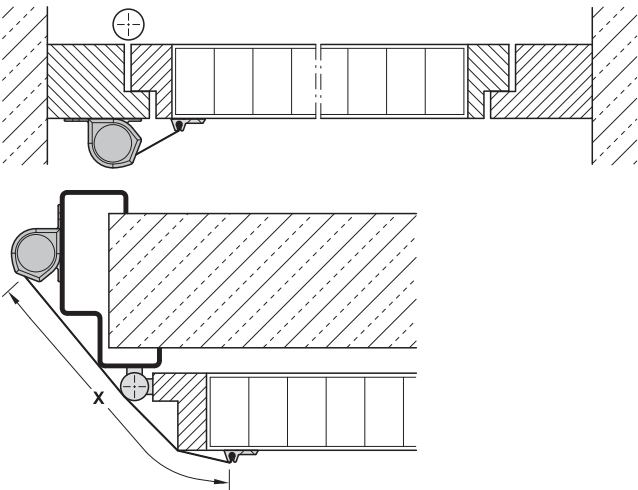
Order reference

Other lengths up to 3,600 mm available on request.

NR-25 Finger protection blind system



Mounting example



x = max. blind length 260 mm

- > Area of application: For gap between door and frame on push side, for interior doors, also suitable for fire resistant and smoke control doors
- > Version: The roller blind is kept under constant tension by the spring force
- > Material: Profile: Aluminium, blind: Synthetic fibre
- > Finish: Profile: Silver coloured anodized, blind: Black
- > Length: 1,925 mm = available length for standard doors (1,925 mm = max. available length), cannot be shortened
- > Installation: For screw fixing, visible

Supplied with

- 1 finger protection blind system
- 1 set of mounting material

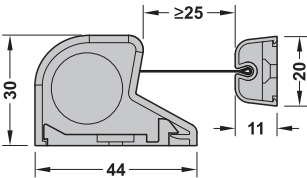
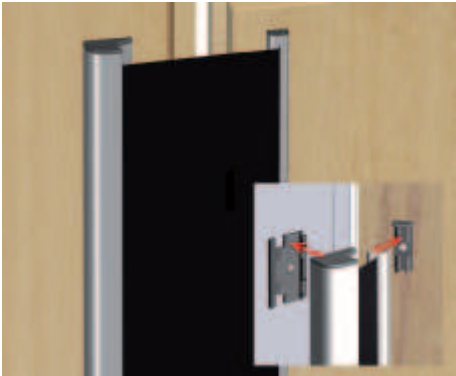
	Cat. No.
NR-25 finger protection blind system	950.15.207

Order reference

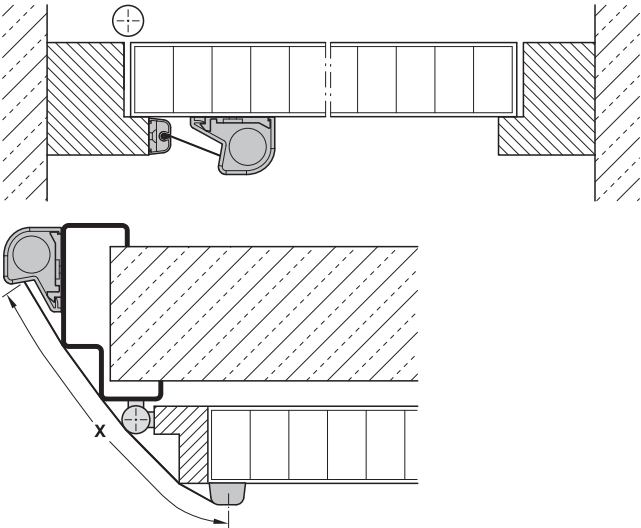
Shorter lengths available on request.

NR-30 Finger protection blind system

Concealed screws, clip fixing



Mounting example



x = max. blind length 260 mm

- > Area of application: For gap between door and frame on push side, for interior doors, also suitable for fire resistant and smoke control doors
- > Version: The roller blind is kept under constant tension by the spring force
- > Material: Profile: Aluminium, blind: Synthetic fibre
- > Finish: Profile: Silver coloured anodized, blind: Black
- > Length: 1,925 mm = available length for standard doors, (2,500 mm = max. available length), cannot be shortened

Supplied with
1 finger protection blind system
1 set of mounting material

	Cat. No.
NR-30 finger protection blind system	950.15.227

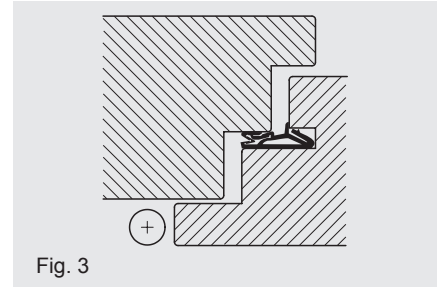
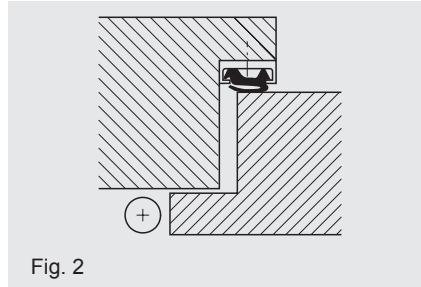
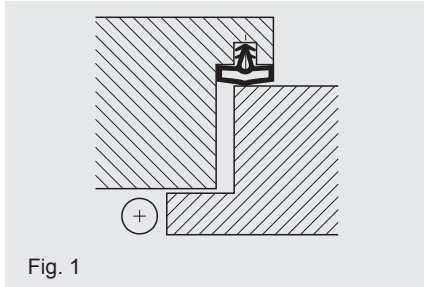
Order reference
Fixed lengths available on request. Individual colour combinations of the aluminium profiles and blinds also available on request.
NR-30XL version with blind length 320 mm, 2,015 mm for power-operated doors also available on request.



Installation types

Rebate seals for room doors are mounted in the groove of the frame or door.

Depending on the version, the bottom part of the seal is inserted directly into the groove (fig. 1) or the seal must be fitted with a carrier (fig. 2). Rebate seals for front doors are fitted in the door (fig. 3).



Standard colours

- > Black
- > Dark brown
- > Brown
- > Beige
- > White
- > Transparent

Other colours available on request.

Paint compatibility

Sealing profiles which are painted over or used for renovation purposes must always be tested for their compatibility with the lacquer.

Irrespective of the specifications for paint compatibility, testing should always be carried out.

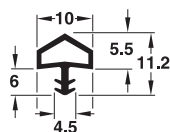
When complying with the stipulated drying cycles, the compatibility is given for following coating systems:

Sealing profiles made from modified elastic polymer (PVC)	Sealing profiles made from thermoplastic elastomer (TPE) or cross-linked silicone
<ul style="list-style-type: none"> > Alkyd resin varnishes and lacquers > Polyurethane lacquers (DD lacquers) > 2-component epoxy resin lacquers > Acid hardening lacquers where the PVC resistance is specified by the manufacturer > Chemically cross-linked enamel 	<ul style="list-style-type: none"> > Alkyd resin varnishes and lacquers > Polyurethane lacquers (DD lacquers) > 2-component epoxy resin lacquers > Acid hardening lacquers > Chemically cross-linked enamel > Nitrocellulose lacquers > Solvent-based or water-based acrylic varnishes and lacquers
Not suitable for coating are following:	
<ul style="list-style-type: none"> > Nitrocellulose lacquers > Solvent-based or water-based acrylic varnishes and lacquers > PVC lacquers 	–

Quality

Modified elastic polymer (PVC)	Thermoplastic elastomer (TPE)	Cross-linked silicone
Features		
<ul style="list-style-type: none"> > Good physical properties > Temperature range from –20 to +60 °C > Resistant to aging, weathering and ozone 	<ul style="list-style-type: none"> > Good physical and thermal properties > Excellent resilience > Comfortable closing pressure > High tolerance compensation > Temperature range from –40 to +180 °C > Resistant to aging, weathering and ozone 	<ul style="list-style-type: none"> > Very good physical and thermal properties > Excellent resilience > Soft and smooth closing properties > High tolerance compensation with warped door panel > Temperature range from –60 to +250 °C > Resistant to aging, weathering and ozone
Areas of application		
<ul style="list-style-type: none"> > For interior doors 	<ul style="list-style-type: none"> > For interior and front doors > For soundproof and smoke control doors 	<ul style="list-style-type: none"> > For interior and front doors > For soundproof and smoke control doors > For sauna doors

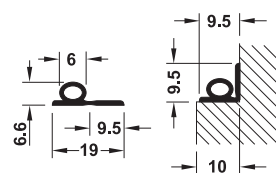
PVC, TPE 1.10 Rebate seal



- > Area of application: For rebated doors
- > Material: Modified elastic polymer (PVC) or thermoplastic elastomer (TPE)
- > Installation dim.: Groove 4 x 7 mm, striking gap 4 mm, rebate width 10 mm
- > Length: 25 m

Colour	Modified elastic polymer (PVC)	Thermoplastic elastomer (TPE)
White	950.10.267	950.10.277
Black	950.10.263	950.10.273
Dark brown	950.10.262	950.10.272
Brown	950.10.261	950.10.271
Beige	950.10.264	950.10.274
Transparent	950.10.266	—

Rebate seal

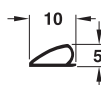


- > Material: Thermoplastic elastomer (TPE)
- > Version: **Self-adhesive**
- > Suitable for: Water-based and solvent-based lacquer
- > Installation dim.: Striking gap 5 mm, rebate width 10 mm
- > Length: 100 m

Colour	Cat. No.
White	950.07.570
Black	950.07.571
Brown	950.07.572
Beige	950.07.573

6

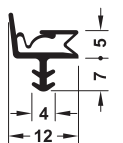
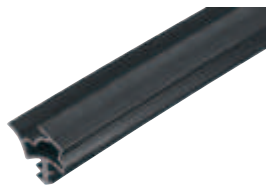
TPE 4.10 Universal seal



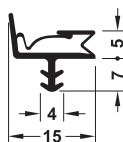
- > Area of application: For renovation of doors and windows, protection against cold and draught
- > Material: Thermoplastic elastomer (TPE)
- > Version: **Self-adhesive**
- > Length: 6 m

Colour	Cat. No.
White	950.10.287
Brown	950.10.281
Beige	950.10.284

S 6612 BS, S 6615 BS
Interior and front door seal,
for fire resistant doors



S 6612 BS

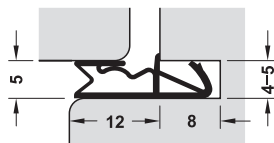


S 6615 BS

- > Area of application: For rebated interior and front doors, soundproof and smoke control doors
- > Version: Resistant to aging, weathering and ozone, fire retardant
- > Material: Thermoplastic elastomer (TPE)
- > Standard: Fire behaviour classification in compliance with DIN EN 13501-1:2007 construction element testing in compliance with DIN EN 16034
- > Installation dim.: Groove width 4 mm, groove depth 7 mm, striking gap 5 mm
- > Length: 100 m

Colour	S 6612 BS	S 6615 BS
Black	950.09.631	950.09.651

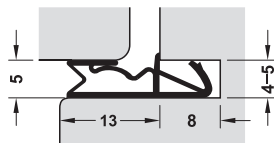
S 6512a BS
Front door seal,
for fire resistant doors



- > Area of application: For rebated front doors, soundproof and smoke control doors
- > Version: Resistant to aging, weathering and ozone, fire retardant
- > Material: Thermoplastic elastomer (TPE)
- > Standard: Fire behaviour classification in compliance with DIN EN 13501-1 construction element testing in compliance with DIN EN 16034
- > Installation dim.: Groove width 4–5 mm, groove depth 8 mm, striking gap 5 mm
- > Length: 180 m

Colour	Cat. No.
Black	950.09.463

S 6513 BS
Front door seal,
for fire resistant doors



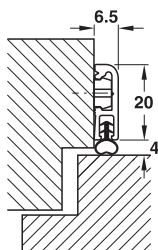
- > Area of application: For rebated front doors, soundproof and smoke control doors
- > Version: Resistant to aging, weathering and ozone, fire retardant
- > Material: Thermoplastic elastomer (TPE)
- > Standard: Fire behaviour classification in compliance with DIN EN 13501-1
- > Installation dim.: Groove width 4–5 mm, groove depth 8 mm, striking gap 5 mm
- > Length: 162 m

Colour	Cat. No.
Black	950.09.473

Rebate seal



- > Area of application: For rebated and flush doors, retrofitted seal for **existing** doors
- > Installation: With carrier and clips, no groove required



Concealed fixing of carrier with clips

	Material	Finish	Length m	Packing pieces	Cat. No.
Carrier					
	Alu- minium	Colourless anodized	5.25	1	950.07.417
Clips					
	Plastic	White	—	25	950.07.405
Sealing strip, bulb type					
	Silicone	Black	5.00	1	950.07.423

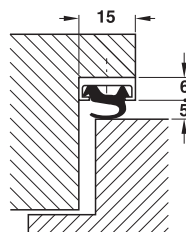
Order reference

Rebate seal only available in individual components, not as a set.

Rebate seal



- > Area of application: For rebated and flush doors, seal for **newly** fitted doors
- > Installation: With carrier, no groove required



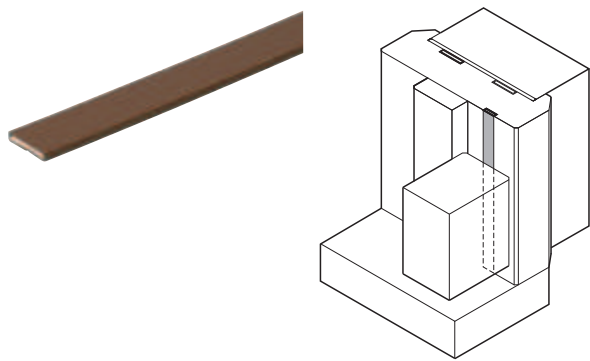
Carrier is screwed on

	Material	Finish	Length m	Packing pieces	Cat. No.
Carrier					
	Alu- minium	Bright	5.25	1	950.07.415
Sealing strip, blade type					
	EPDM (ethylene- propylene- diene- monomer)	Black	5.00	1	950.07.424

Order reference

Rebate seal only available in individual components, not as a set.

Fire seal



10 x 4 mm



20 x 4 mm

Note

The sodium silicate intumescent material is activated at temperatures of between 100–150°C, forming a rigid foam with a high level of thermal insulation, it expands to 5–10 times its original size.

The intumescent material is activated at a much lower temperature than that at which the smoke seal material degrades. Long before the smoke seal has burned away, the intumescent material has expanded, sealing the gaps around the door. This seals the gap between the door and the frame, so providing an effective barrier to the passage of fire and hot smoke.

The applicable national and international guidelines, standards, approvals and other relevant regulations with regard to smoke control and fire resistance have to be taken into consideration in order to guarantee the fire resisting properties of the element.

> Area of application:	For sealing the air gap between the edges of door leaves and frames, fire seal only
> Version:	The material expands substantially when exposed to hot temperatures, self-adhesive
> Material:	Sodium silicate
> Length:	2,100 mm

Supplied with

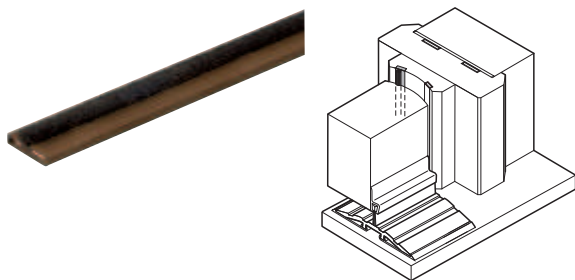
1 intumescent fire seal

Fire Rating min	Width B mm	Dark brown	Light brown
30	10	950.11.031	950.11.030
60	20	950.11.041	950.11.040

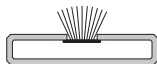
Order reference

Other colours available on request.

Fire resistant and smoke control seal



10 x 4 mm



20 x 4 mm

Note

The sodium silicate intumescent material is activated at temperatures of between 100–150°C, forming a rigid foam with a high level of thermal insulation, it expands to 5–10 times its original size.

The intumescent material is activated at a much lower temperature than that at which the smoke seal material degrades. Long before the smoke seal has burned away, the intumescent material has expanded, sealing the gaps around the door. This seals the gap between the door and the frame, so providing an effective barrier to the passage of fire and hot smoke.

The applicable national and international guidelines, standards, approvals and other relevant regulations with regard to smoke control and fire resistance have to be taken into consideration in order to guarantee the fire resisting properties of the element.

> Area of application:	For sealing the air gap between the edges of door leaves and frames, fire and smoke seal
> Version:	The material expands substantially when exposed to hot temperatures, with brush, self-adhesive
> Material:	Sodium silicate
> Length:	2,100 mm

Supplied with

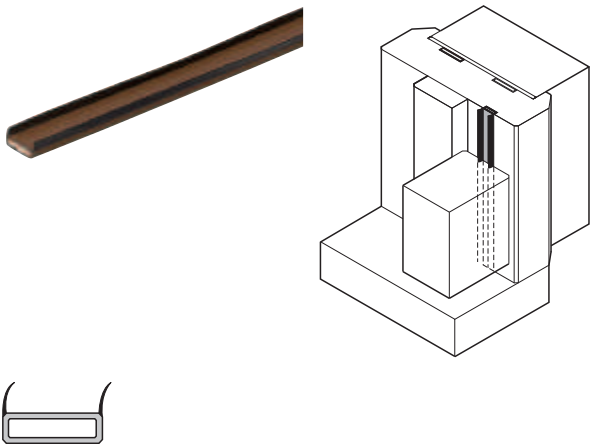
1 intumescent fire and smoke seal

Fire Rating min	Width B mm	Dark brown	Light brown
30	10	950.11.051	950.11.050
60	20	950.11.061	950.11.060

Order reference

Other colours available on request.

Fire, smoke control and acoustic seal



Note

The sodium silicate intumescent material is activated at temperatures of between 100–150°C, forming a rigid foam with a high level of thermal insulation, it expands to 5–10 times its original size.

The intumescent material is activated at a much lower temperature than that at which the smoke seal material degrades. Long before the smoke seal has burned away, the intumescent material has expanded, sealing the gaps around the door. This seals the gap between the door and the frame, so providing an effective barrier to the passage of fire and hot smoke.

The applicable national and international guidelines, standards, approvals and other relevant regulations with regard to smoke control and fire resistance have to be taken into consideration in order to guarantee the fire resisting properties of the element.

- > Area of application:
- For sealing the air gap between the edges of door leaves and frames, **fire and smoke seal**
- > Material:
- Sodium silicate
- > Version:
- Self-adhesive
- > Length:
- 2,100 mm

Supplied with

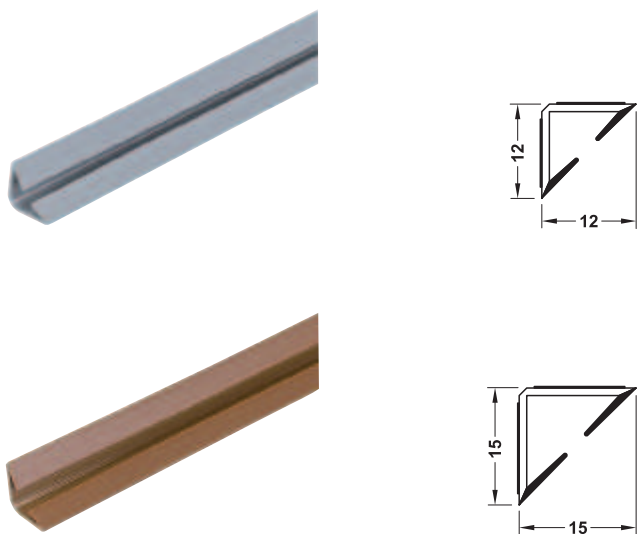
1 intumescent fire and smoke seal

Width mm	Dark brown	Light brown
15	950.11.071	950.11.070

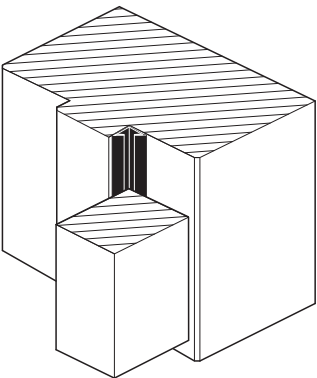
Order reference

Other colours available on request.

Smoke seal



Installation

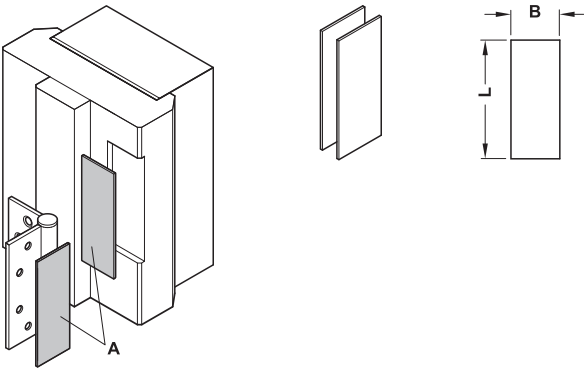


- > Area of application:
- For sealing the air gap between the edges of door leaves and frames, smoke control and soundproof doors (BS EN ISO 140-3:1995)
- > Material:
- PVC
- > Version:
- Self-adhesive

Width mm	Length mm	Brown	Grey
12	1000	950.11.131	950.11.135
	2100	950.11.141	950.11.145
	2400	950.11.151	950.11.155
15	1000	950.11.161	950.11.165
	2100	950.11.171	950.11.175
	2400	950.11.181	950.11.185



Intumescent fire protection kit for door hinges



A = intumescent fire protection kit for door hinges

- > Area of application: The material expands substantially when exposed to hot temperatures for protection of door hinges, provides fire resistance of up to 60 minutes
- > Version: Shaped pads of intumescent material, self-adhesive, cut to size
- > Material thickness: 2 mm
- > Replaces intumescent wood putty or paste

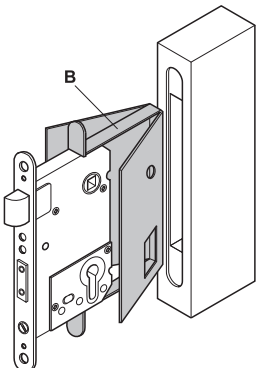
Note

The installation must comply with specifications and testing must have been carried out in accordance with EN 1634 in order to guarantee the fire resisting properties of the door. The applicable national and international guidelines, standards, approvals and other relevant regulations with regard to smoke control and fire resistance also have to be taken into consideration.

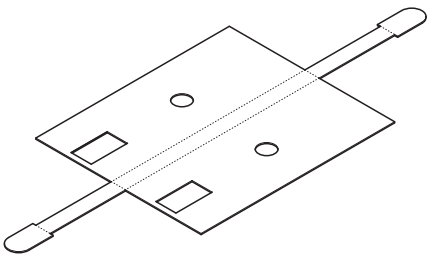
Dim. (L x W) mm	Cat. No.
76 x 31	950.11.085
102 x 30	950.11.087
102 x 36	950.11.097
102 x 42	950.11.107
126 x 37	950.11.119
114 x 43	950.11.117
114 x 48	950.11.118

Packing: 1 set

Intumescent fire protection kit for mortice locks



B = intumescent fire protection kit for mortice locks



- > Area of application: The material expands substantially when exposed to hot temperatures for protection of mortice locks, provides fire resistance of up to 30 minutes or 60 minutes (material thickness 2 mm), for standard DIN mortice locks, for backset 55 mm, for distance 72 mm
- > Version: Shaped pads of intumescent material, self-adhesive, cut to size
- > Replaces intumescent wood putty or paste

Note

The installation must comply with specifications and testing must have been carried out in accordance with EN 1634 in order to guarantee the fire resisting properties of the door. The applicable national and international guidelines, standards, approvals and other relevant regulations with regard to smoke control and fire resistance also have to be taken into consideration.

Dim. (L x W) mm	Material thickness mm	Cat. No.
165 x 90	1	950.11.010
165 x 90	2	950.11.011

Packing: 1 set

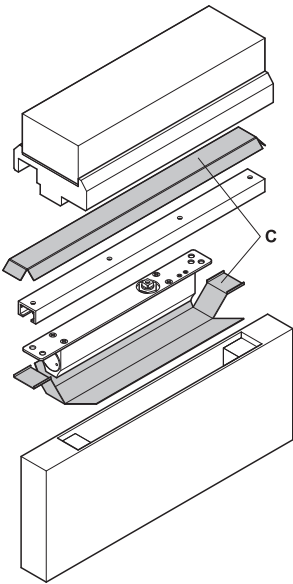
Door hinges

► See
product group 04

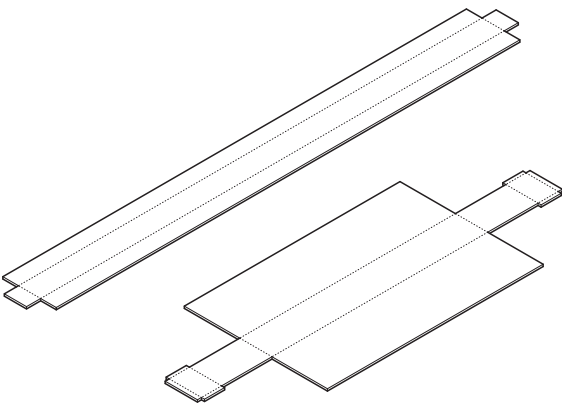
Door Locks

► See
product group 02

Intumescent fire protection kit
for DCL concealed door closers



C = intumescent fire protection kit for DCL concealed door closer



- > Area of application: The material expands substantially when exposed to hot temperatures for protection of door closers, provides fire resistance of up to 60 minutes
- > Version: Shaped pads of intumescent material, self-adhesive, cut to size and notched
- > Material thickness: 2 mm
- > Replaces intumescent wood putty or paste

Note

The installation must comply with specifications and testing must have been carried out in accordance with EN 1634 in order to guarantee the fire resisting properties of the door. The applicable national and international guidelines, standards, approvals and other relevant regulations with regard to smoke control and fire resistance also have to be taken into consideration. Insulation against heat transfer is provided as soon as the intumescent material is activated.

Concealed, hydraulic door closers must not be fitted to fire resistant doors without appropriate protection measures being taken.

This is because:

- > During installation it is required to cut away a large portion of the door which immediately reduces fire resistance.
- > Many models contain flammable hydraulic oil.
- > They are made from materials which are very good heat conductors.
- > The aluminium housings are likely to melt in intense heat leading to breach.
- > They take up much of the available door leaf thickness.

Model	Cat. No.
DCL 32	950.11.122
DCL 33	950.11.123
DCL 34	950.11.124

Packing: 1 set

Door closers

► See
product group 05