athmer

Automatic dropseals

Mini catalogue | 3rd edition

athmer

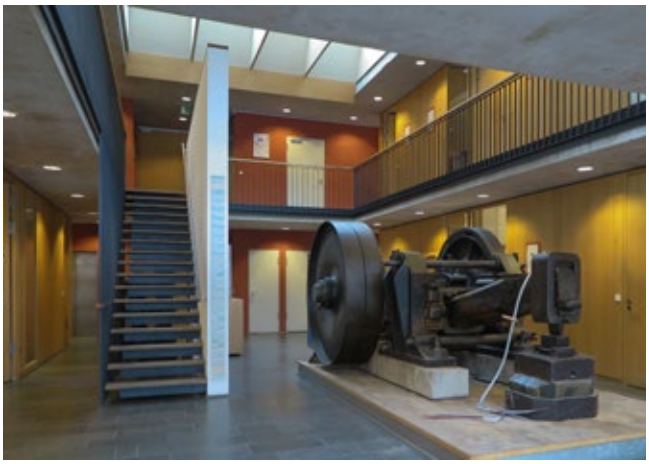
“Good doors deserve first-class seals - good customers deserve first-class service”

athmer, based in Arnsberg-Müschede, is the leading international manufacturer of sealing and finger protection systems for doors and gates. Automatic drop seals from athmer comply with the recommendations for barrier-free and sustainable construction. The seals are mainly used in buildings such as hospitals, office buildings and schools. Special seals for all-glass or sliding doors round off the range. The longevity of the products plays an important role in counteracting the prevailing obsolescence. The owner-managed medium-sized company has more than 60 years of experience in the field of automatic drop seals and is part of the Julius Cronenberg Sophienhammer (JCS) group of companies. In addition to the approximately 100 employees, whose number has risen continuously in recent years, a modern machine park and a constant will to innovate guarantee market success. The comprehensive range for professional sealing systems for doors and gates is designed for demanding tasks in the construction sector and offers sealing systems for sound, smoke, fire and radiation protection doors. To guarantee both high product quality and fast delivery times, athmer is represented at a total of six locations in Europe and Asia. Ecological agreements are the basis for good and responsible cooperation.

The success of the company is a combination of expertise and quality and enables the continuous development and improvement of its product range. Offering the widest range on the market, athmer has the right product for practically every type of application. In addition to automatic door seals for acoustic, smoke and fire protection doors, the range also includes seals for radiation protection doors, all-glass doors, doors with extreme gaps > 50 mm, screed separations, thresholds, brush seals, frame seals and finger protection systems.

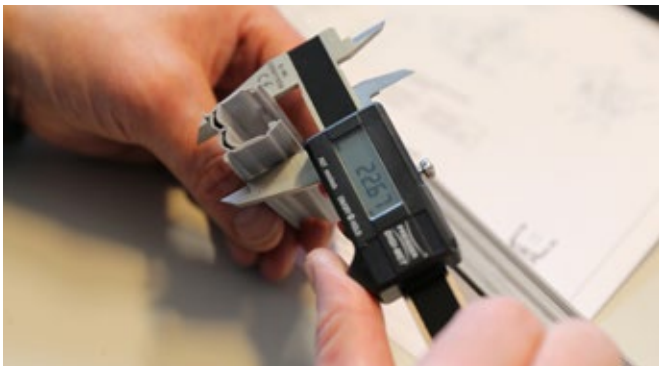
For athmer, the optimal ease of use of doors has traditionally been at the top of the product development agenda. Today we see that the requirements for barrier-free planning and construction are becoming more and more important. With athmer sealing systems, door manufacturers and builders are on the safe side when it comes to accessibility. This applies to our standard systems as well as to individual solutions that we develop together with our customers.

athmer



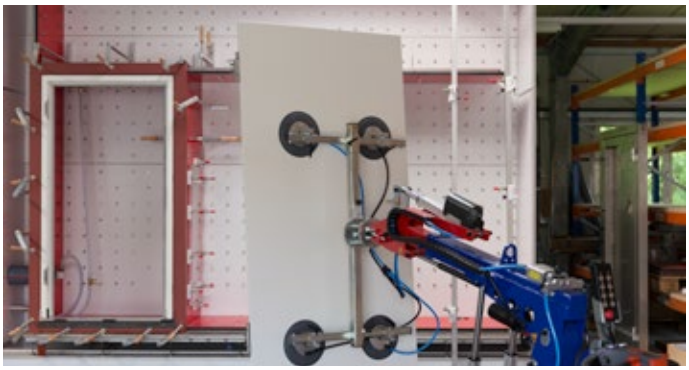
Our history

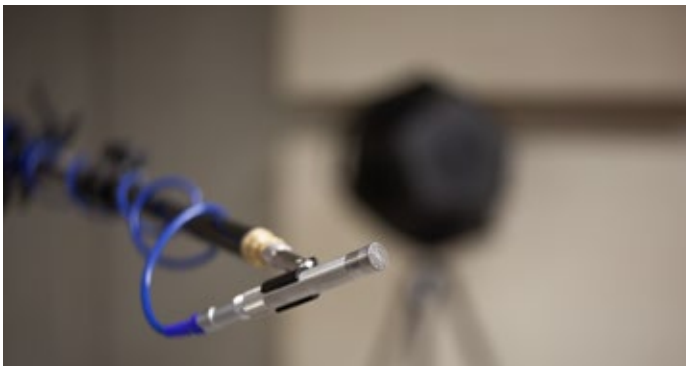
athmer has been the leading global specialist in the design and manufacture of high performance sealing and finger protection systems since the 1950's. From our headquarters in Arnsberg, Germany a continued focus on development and innovation has facilitated our emergence as the premium choice in complete door sealing systems. athmer is part of the JCS (Julius Cronenberg Sophienhammer) group of companies. The group was founded in 1711 and recently celebrated its 300th anniversary. Its headquarters remains on the same site – the old Sophienhammer forge – it purchased in 1870 and its operations have grown sustainably ever since, with the group now incorporating 10 companies. The family-owned group is now in its 10th generation and first made a name for itself in the late 19th Century as it developed the first branded scythe, a popular agricultural tool of the period. The emergence of more modern agricultural techniques in the mid-1950's gave the group an opportunity to diversify into new markets, leading to the registration of the Kaltefeind® brand and the birth of athmer. Today both the Kaltefeind® and Schall-Ex® brands are synonymous with automatic drop seals and athmer has built on this experience by widening its field of expertise to perimeter sealing. Having made several investments worldwide, we have expanded our operations into the Middle East and throughout South East Asia, including China and India. With a new global presence we hope to offer a more targeted product offering and more personalised service level to the individual regions.



Research & Development Competence

The research and development process is of vital importance when launching new products. A thorough development process will ensure a smooth product launch and continued fitness for purpose. This is critical in today's world where innovation needs to be integrated efficiently and without error. Failure to do so can lead to timely and costly delays. With many years' experience and more than 150 patents worldwide, this process is a key competence of ours. Our focus has always been on innovation and how we can adapt our products to better suit our customer's requirements. We have a dedicated team of engineers and technicians offering a pragmatic approach to problem solving. They are well-equipped to undertake a full suite of development processes in-house, including 3D modelling, 3D printing and the pre-testing of materials. We actively engage with our customers to gain feedback and improve our current product range. It is our adaptability in an ever-changing market that has established us as pioneers in sealing technologies.





Technical Centre Services

Our curiosity for innovation naturally led us to the creation of a 900m² Technical Centre located on site in Arnsberg, Germany. This facility offers us an invaluable resource during the pre-testing phase of a new product's development. In addition to this, we can now offer testing services as a fully established partner of the world-leading test institute ift Rosenheim, whom independently calibrate our facilities in line with their accreditations. We are able to offer the following services:

¬ Full-scale acoustic testing in accordance with EN ISO 10140-2 & EN ISO 717-1

¬ Full-scale, temperature-controlled smoke testing in accordance with DIN 18095 & EN 1634, up to 200°C

¬ Full-scale, pressure-controlled weather testing in accordance with DIN EN 1026 & 1027, up to 700Pa

¬ Full-scale cycle testing in accordance with EN 1191 & DIN 4102-18

¬ Full-scale security testing in accordance with EN 1628, EN 1629 & EN1630

Our commitment to quality & sustainability

Athmer is committed to both quality and sustainability and this has been internationally recognised by test and certification institutes worldwide. Copies of all certification can be supplied on request.

Emirates Green Building Council (EmiratesGBC) was formed in 2006, with the goal of advancing green building principles for protecting the environment and ensuring sustainability in the United Arab Emirates.

Wherever you see this logo our products have been evaluated under Warringtonfire's CERTIFIRE scheme. CERTIFIRE is an internationally-recognised, independent third-party certification scheme that assures performance, quality, reliability and traceability of products and systems.

Wherever you see this logo our products have been evaluated under the UL Mark – the most widely recognised and accepted evidence of a product's compliance with U.S. & Canadian safety requirements. The mark is one of the most valued product safety symbols worldwide, including Asia & the Middle East.

Wherever you see this logo our products have been cycle tested by MPA NRW in Germany. MPA NRW is a publically-owned test institute that was founded in 1947 and they have provided us with third-party certification as evidence of our seal's durability. Although the durability of all our products is extensively and frequently tested internally, many have also been independently verified under this certification.

Wherever you see this logo our products are covered by an Environmental Product Declaration (EPD) in accordance with EN ISO 14025 and EN 15804. The EPD is further evidence of our wider commitment to sustainability and permits our product's use in certified Green Buildings across the world. Additionally, we have developed a CO^2 calculator to help users understand the tangible environmental benefits of fitting Athmer seals to their buildings. You can access it via co2ool.info.

Content

Fire resistance

Smoke resistance

Acoustic resistance

Weather resistance

Draught resistance

Accessibility

Radiation protection

Suitable for wet rooms

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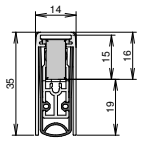
Code explanation, *e.g. Schall-Ex® L-15/30 WS*

travel	groove dimension (mm)	fixing
M- medium travel	15 - groove width	EK - end caps
L- large travel	30 - groove depth	WS - mounting brackets
MD- medium travel, delayed drop		OS - omega-shaped profile (screw under)
LD- large travel, delayed drop		TS - T-shaped profile (screw under)
		FS - surface mounted

Rebated drop seals for timber and system doors



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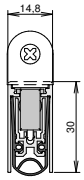
Schall-Ex® L-14/35 EK



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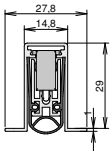
Schall-Ex® L-15/30 WS



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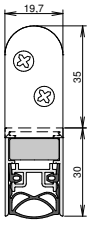
Schall-Ex® L-15/30 OS



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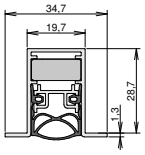
Schall-Ex® Ultra



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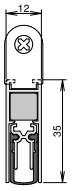
Schall-Ex® Ultra OS



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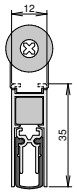
Schall-Ex® Slide
M-12 WS



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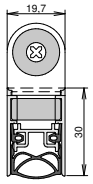
Schall-Ex® Slide&Lock
M-12 WS



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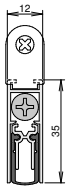
Schall-Ex® Slide&Lock
M-20 WS



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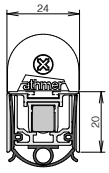
Doppeldicht®
M-12/35



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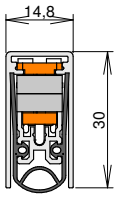
Rainstop® L-24/20 WS



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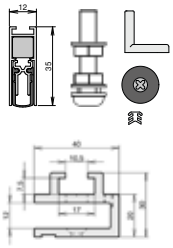
Schall-Ex® L-15/30
Pivot



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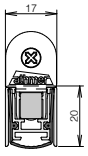
VHH M-12



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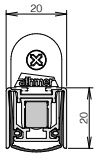
Stadi L-17/20 WS
Stadi LD-17/20 WS



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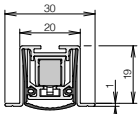
Stadi L-20/20 WS
Stadi LD-20/20 WS



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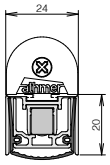
Stadi L-20/20 OS
Stadi LD-20/20 OS



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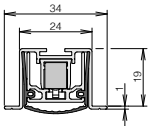
Stadi L-24/20 WS
Stadi LD-24/20 WS



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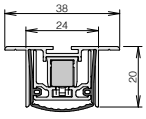
Stadi L-24/20 OS



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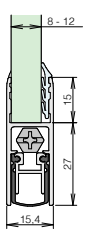
Stadi L-24/20 TS

Drop seals for glass doors



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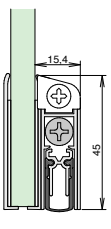
Schall-Ex® GS-H8/12



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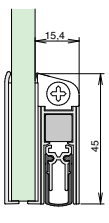
Schall-Ex® GS-A



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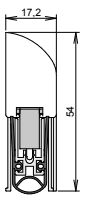
Schall-Ex® Slide GS-A

Surface mounted drop seals for timber and system doors



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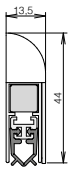
Schall-Ex® L-15 FS



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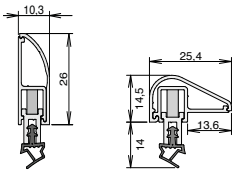
Wind-Ex



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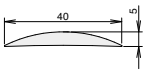
NADI®

Thresholds



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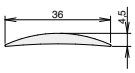

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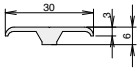

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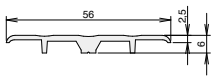

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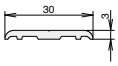

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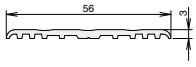

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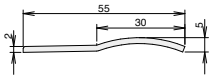

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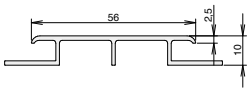

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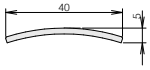

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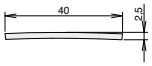

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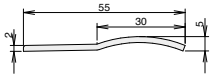

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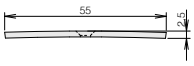

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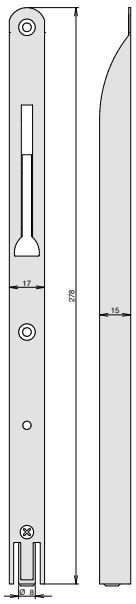
Flushbolt and concealed flushbolt for timber and system doors



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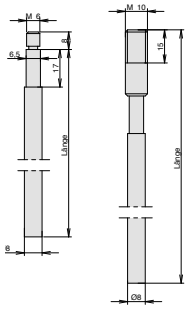
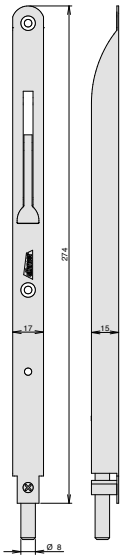
Flushbolt for timber doors



Page 27

Concealed Flushbolt



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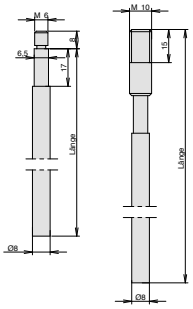
Flushbolt for system doors



Page 35

Concealed Flushbolt

REBATED DROP SEALS for timber doors

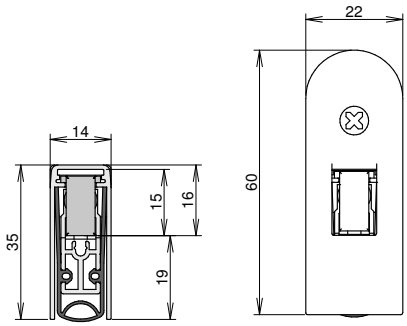
A range of automatic drop seals for timber door applications. Drop seals are fitted to the bottom of the door and are designed to drop automatically when the door is closed to form a seal with the floor. The seal then retracts when the door is opened to ensure the door operation is unhindered. Their main purpose is to provide an effective barrier against sound transfer but they also protect against dirt, dust and smells. We have tested options for smoke, rain and even radiation.

Schall-Ex® L-14/35

KEY FEATURES

- sound reduction of
  51dB over a 7mm gap
  44dB over a 12mm gap
- parallel actuation & self-levelling mechanism
- removable actuator deactivates automatic function during the construction phase
- seal can be easily adjusted by hand

DIMENSIONS/ FITTING TOLERANCES



Schall-Ex® L-14/35 EK
groove width: 14 mm

DATA

Application
- at the threshold of hinged, single action timber doors

Gasket material
- self-extinguishing, flame retardant silicone

Travel
- 20 mm

Fixing
- rebated into a groove in the door
- screw fixed both sides

Performance
- Certifire
- UL
- MPA certified: 1,000,000 test cycles
- EPD

Standard lengths
- 635, 735, 835, 935, 1035, 1135, 1235 mm

Minimum/ maximum lengths
- 235 mm (cannot be shortened) / 1635 mm
- can be shortened: 125 mm from 833 mm lengths

Accessories (included in delivery)
- 5519

Art. No.
- 1-935

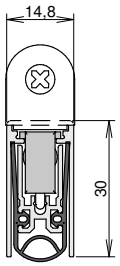
No CF 5675

Schall-Ex® L-15/30

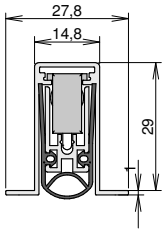
KEY FEATURES

- sound reduction of
  52dB over a 7mm gap
  50dB over a 12mm gap
- parallel actuation & self-levelling mechanism
- removable actuator deactivates automatic function during the construction phase
- seal can be easily adjusted by hand

DIMENSIONS/ FITTING TOLERANCES



Schall-Ex® L-15/30 WS
groove width: 15 mm



Schall-Ex® L-15/30 OS
groove width: 15 mm

DATA

Application
- at the threshold of hinged, single action timber doors

Gasket material
- self-extinguishing, flame retardant silicone

Travel
- 20 mm

Fixing
- rebated into a groove in the door
- screw fixed both sides

Performance
- Certifire
- UL
- MPA certified: 1,000,000 test cycles
- EPD

Standard lengths
- 708, 833, 958, 1083, 1208 mm

Minimum/ maximum lengths
- 235 mm (cannot be shortened) / 2000 mm
- can be shortened: 125 mm from 460 mm

Accessories (included in delivery)
- 5382

Art. No.
- L-15/30 WS (1-880)
- L-15/30 OS (1-881)

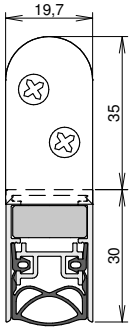
No CF 5675

Schall-Ex® Ultra

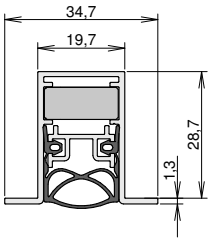
KEY FEATURES

- sound reduction up to 51dB
- self-levelling mechanism
- salt spray tested to EN 1670, Class 5 - excellent corrosion resistance, 480 hours
- ideal for use in wet rooms and external environments

DIMENSIONS/ FITTING TOLERANCES



Schall-Ex® Ultra WS
groove width: 20 mm



Schall-Ex® Ultra OS
groove width: 20 mm

DATA

Application
- at the threshold of hinged, single action timber doors

Gasket material
- self-extinguishing, flame retardant silicone

Travel
- 12 mm

Fixing
Ultra WS:
- rebated into a groove in the door
- screw fixed both sides

Ultra OS
- rebated into a groove in the door
- screw fixed to the underside

Standard lengths
- 708, 833, 958, 1083, 1208 mm

Minimum/ maximum lengths
- 220 mm (cannot be shortened) / 2000 mm
- can be shortened: 125 mm from 708 mm

Accessories (inlcuded in delivery)
- Ultra WS single (5610), Ultra WS double (5600)
- Ultra OS single (5503), Ultra OS double (5420)

Art. No.
- Ultra WS single (1-291), Ultra WS double (1-290)
- Ultra OS single (1-293), Ultra OS double (1-292)

Performance
- Certifire
- UL
- MPA certified: 1,000,000 test cycles
- EPD

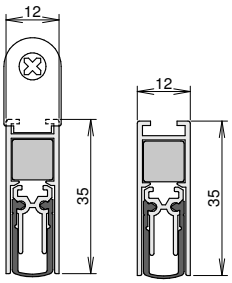
No CF 5675

Schall-Ex® Slide M-12 WS, Slide&Lock M-12 WS

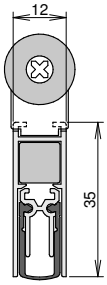
KEY FEATURES

- sound reduction up to 50 dB
- self-levelling mechanism
- flat-faced actuator with low activiation pressure designed specifically for sliding doors
- slimline profile ideal when space in the door is limited
- Slide M-12 WS: for use with latched sliding doors
- Slide&Lock M-12 WS: magnet supplied for use with unlatched doors

DIMENSIONS/ FITTING TOLERANCES



Schall-Ex® Slide M-12 WS
groove width: 12 mm



Schall-Ex® Slide&Lock M-12 WS
groove width: 12 mm

DATA

Application
- at the threshold of sliding timber doors

Gasket material
- self-extinguishing, flame retardant silicone

Travel
- 11 mm

Fixing
- rebated into a groove in the door
- screw fixed both sides

Performance
- EPD

Standard lengths
- 708, 833, 958, 1083, 1208 mm

Minimum/ maximum lengths
- 280 mm (cannot be shortened) / 1958 mm
- can be shortened: 125 mm from 708 mm

Accessories (included in delivery)
- Slide M-12 WS (5113)
- Slide&Lock M-12 WS (5105)

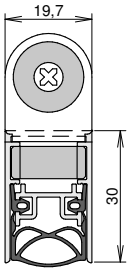
Art. No.
- Slide M-12 WS (1-548)
- Slide&Lock M-12 WS (1-549)

Schall-Ex® Slide&Lock M-20 WS

KEY FEATURES

- sound reduction values up to 50 dB
- self-levelling mechanism
- flat-faced actuator with low activiation pressure designed specifically for sliding doors
- magnet supplied for use with unlatched doors
- Suitable for doors in damp and wet rooms: Tested in accordance with EN 1670

DIMENSIONS/ FITTING TOLERANCES



Schall-Ex® Slide&Lock M-20 WS
groove width: 20 mm

DATA

Application
- at the threshold of sliding timber doors

Gasket material
- self-extinguishing, flame retardant silicone

Travel
- 12 mm

Fixing
- rebated into a groove in the door
- screw fixed both sides

Performance
- Certifire
- UL
- MPA certified: 1,000,000 test cycles
- EPD

Standard lengths
- 708, 833, 958, 1083, 1208 mm

Minimum/ maximum lengths
- 220 mm (cannot be shortened) / 2000 mm
- can be shortened: 125 mm from 708 mm

Accessories (inlcuded in delivery)
- 5103

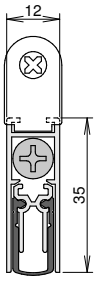
Art. No.
- 1-550

Doppeldicht® M-12/35

KEY FEATURES

- sound reduction up to 50dB
- self-levelling mechanism
- slimline profile ideal when space in the door is limited
- deeper grooves up to 40mm possible

DIMENSIONS/ FITTING TOLERANCES



Doppeldicht® M-12/35
groove width: 12 mm

DATA

Application
- at the threshold of hinged, single action timber doors

Gasket material
- self-extinguishing, flame retardant silicone

Travel
- 11 mm

Fixing
- rebated into a groove in the door
- screw fixed both sides

Performance
- Certifire
- UL
- MPA certified: 200,000 test cycles
- EPD

Standard lengths
- 708, 833, 958, 1083, 1208 mm

Minimum/ maximum lengths
- 235 mm (cannot be shortened) / 1335 mm
- can be shortened: 125 mm

Accessories (included in delivery)
- 5220

Art. No.
- 1-392

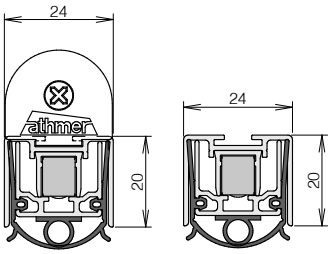
No CF 5675

Rainstop® L-24/20 WS

KEY FEATURES

- sound reduction of up to 51 dB
- self-levelling mechanism
- protects against wind & driving rain up to 200 Pa in accor dance with EN 12207, EN 12208 & EN 12210
- no additional threshold required, completely barrier-free entry
- ideal for use on external/ entrance doorsets

DIMENSIONS/ FITTING TOLERANCES



Rainstop® L-24/20
groove width: 24 mm

DATA

Application
- at the threshold of hinged, single action timber doors

Gasket material
- self-extinguishing, flame retardant silicone

Travel
- 16 mm

Fixing
- rebated into a groove in the door
- screw fixed both sides

Performance
- MPA certified: 200,000 test cycles
- EPD

Standard lengths
- 750,900,1050,1200,1250 mm

Minimum/ maximum lengths
- 230 mm (cannot be shortened) / 2000 mm
- can be shortened: 150 mm

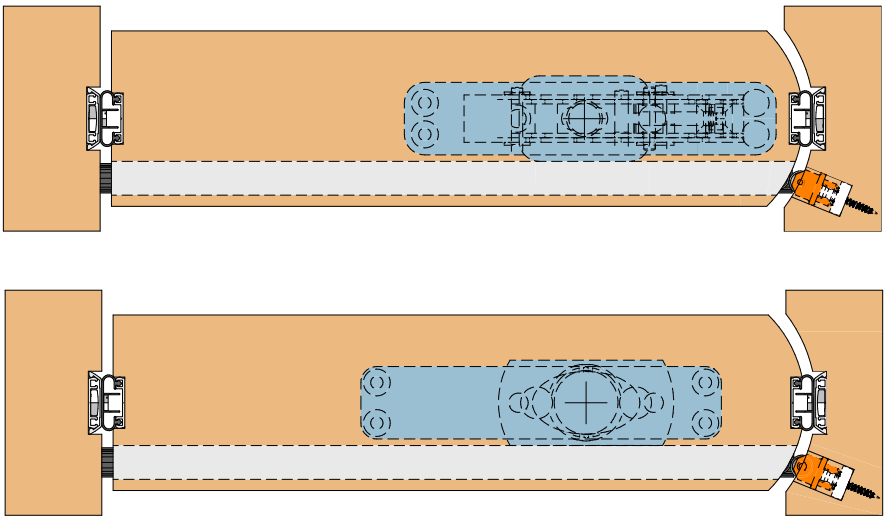
Accessories (inlcuded in delivery)
- 5475

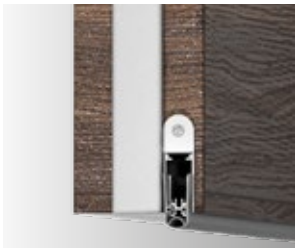
Art. No.
- 1-955

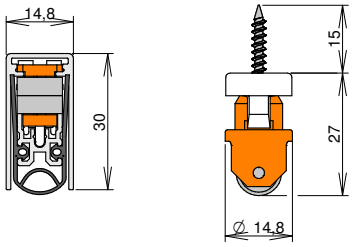
Schall-Ex® L-15/30 Pivot

complete sealing system for modern pivot point doors

- for double-action, timber pivot doors
- effective sealing against sound, smoke, draught and smells
- concealed automatic drop seals for top and bottom of the door
- vertical magnetic seals for both sides, very low operating forces
- special roller actuator suitable for use with scalloped frames
- can be combined with many common metal fittings for pivot doors
- suitable for pivot door leaves up to 2000mm wide x 3000mm high
- drop seals are positioned off-centre
- door thickness must be determined according to thickness of pivot fitting and drop seal







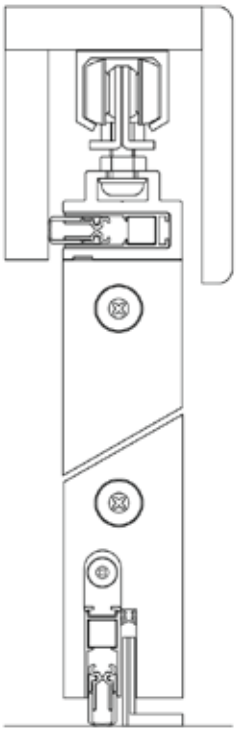
technical data

Set consisting of:	2 pieces	2 pairs
article	**Schall-Ex® L-15/30 WS PIVOT**	**Slide magnet**
actuation	single actuation, roll actuator	magnet
travel	12 mm	6 mm (Gap size)
sealing profile	Silicone, self-extinguishing	Silicone, self-extinguishing
colour of sealing profile	grey	grey
material of profile	aluminum nature	aluminum nature, visible profiles anodized
finish	-	silver coloured anod. C-0 / stainless steel coloured anod. C-31
min. length	235 mm (cannot be reduced)	
max. length	2.000 mm	3.000 mm
standard lengths	708, 833, 958, 1083, 1208 mm	2.500 mm / 3.000 mm
can be reduced by	125 mm from 833 mm	optional

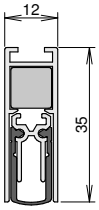
VHH M-12

KEY FEATURES

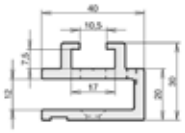
- sound reduction
- automatic sealing at the top and bottom of a sliding door
- self-levelling mechanism
- suitable for use with both pocket & wall-mounted door applications
- suitable for use with any roller system utilising an M8 bolt connection (roller system not supplied by athmer)
- magnet supplied for use with unlatched doors
- combine with vertical seal (eg. ZD Slide - 12/12 on page 60) for a complete four-sided system



DIMENSIONS/ FITTING TOLERANCES

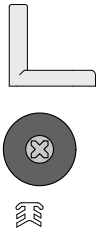


Schall-Ex® Slide M-12 SLA



Slide Adapter 12

M8 Bolt



door guide, magnet, slide spacer

DATA

Application
- at the head and threshold of sliding timber doors

Gasket material
- self-extinguishing, flame retardant silicone

Travel
- 11 mm

Fixing
- screw fixed to the head of the door using a sliding gear adaptor

Standard lengths
- 750, 833, 958, 1083, 1208 mm

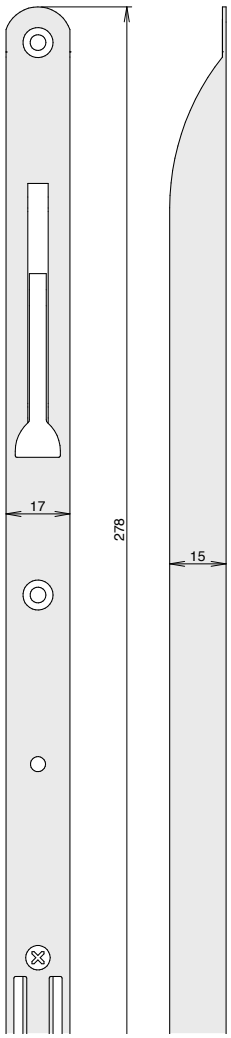
Minimum/ maximum lengths
- 280 mm (cannot be shortened) / 1958 mm

Set contents
- 1x Slide-Adapter-12
- 2x Schall-Ex® Slide M-12 SLA
- 2x M8 bolt and fixings
- 1x slide spacer
- 1x door guide
- 2x magnet

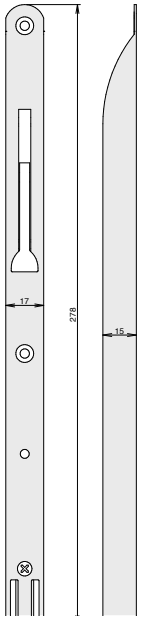
Art. No.
- 1-839

Flushbolt

DIMENSIONS/ FITTING TOLERANCES



TK-15/T
250 mm
TK-20/B-SU
266 mm
TK-15/BXL
276 mm



KEY FEATURES

- matching top and bottom versions available
- continuous seal around bolt maintains optimal acoustic performance
- 8 mm diameter bolt, 15 mm throw
- made from stainless steel
- machining of seal prepared by Athmer before delivery
- same milling dimensions at head and threshold of door

DATA

Application
- at the head and threshold of hinged, single action double timber doors

Material
- stainless steel

Fixing
- rebated into a groove in the door, screw fixed

Size
TK-15/T
- 17x250 mm

TK-20/B-SU
- 17x266 mm

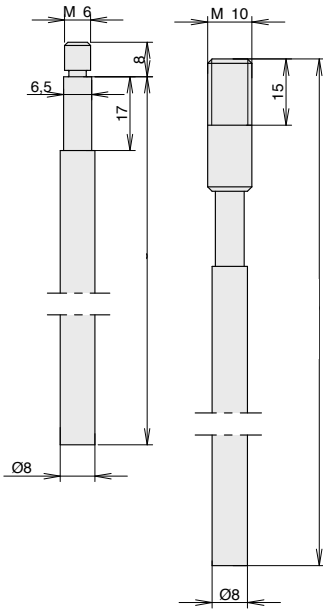
TK-15/BXL
- 17x278 mm

Article numbers / compatibility

	Art. No.	compatibility
TK-15/T	1653	for use at the head of door
TK-20/B-SU	1652-2	for use with Schall-Ex® Ultra
TK_15/BXL	1792	for use with Schall-Ex® L-15

Concealed Flushbolt

DIMENSIONS/ CONNECTIONS



1502-1187
M6
1187 mm

1502-1217
M10
1217 mm

1502-1487
M6
1487 mm

1502-1517
M10
1517 mm

KEY FEATURES

- fully concealed unit, ideal for automatic & panic systems
- continuous seal around bolt maintains optimal acoustic performance
- 8 mm diameter bolt, 15 mm throw
- bolt can be supplied to suit both M6 & M10 connections
- machining of seal prepared by Athmer before delivery
- available for all backsets - state dimension X on order

DATA

Application
- hinged, single action double timber doors

Material
- stainless steel

Fixing
- rebated into a groove in the door, screwed

Size
1502-1187
- M6, 1187 mm

1502-1217
- M10, 1217 mm

1502-1487
- M6, 1487 mm

1502-1517
- M10, 1517 mm

Compatibility

	compatibility
1502-1187	for use with Schall-Ex® L-15, Schall-Ex® Ultra
1502-1217	for use wtih Schall-Ex® L-15, Schall-Ex® Ultra
1502-1487	for use wtih Schall-Ex® L-15, Schall-Ex® Ultra
1502-1517	for use wtih Schall-Ex® L-15, Schall-Ex® Ultra

REBATED DROP SEALS for system doors

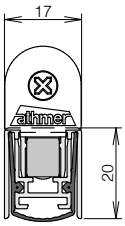
A range of automatic drop seals for steel, aluminium and PVC door applications. Drop seals are fitted to the bottom of the door and are designed to drop automatically when the door is closed to form a seal with the floor. The seal then retracts when the door is opened to ensure the door operation is unhindered. Their main purpose is to provide an effective barrier against sound transfer but they also protect against dirt, dust and smells. We have tested options for smoke, rain and even radiation.

Stadi L- 17/20, Stadi LD-17/20

KEY FEATURES

- sound reduction of up to 54dB
- parallel actuation & self-levelling mechanism
- inner rail can be removed whilst door is in situ, making maintenance easier
- Stadi LD: additional ‹delay› mechanism, seal drops 6-8 seconds after door closes - ideal for airlock rooms, etc.

DIMENSIONS/ FITTING TOLERANCES



Stadi L-17/20 WS
groove width: 17 mm

Stadi LD-17/20 WS
groove width: 17 mm

DATA

Application
- at the threshold of hinged, single action system doors

Gasket material
- self-extinguishing, flame retardant silicone

Travel
- 16 mm

Fixing
- rebated into a groove in the door
- screw fixed both sides

Performance
- Certifire
- UL
- MPA certified: 1,000,000 test cycles (200,000 for LD versions)
- EPD

Standard lengths
- 750, 900, 1050, 1200 mm

Minimum/ maximum lengths
L-17/20 WS
- 235 mm (cannot be shortened) / 2000 mm
- can be shortened: 150 mm (either side)

LD-17/20 WS
- 655 mm (cannot be shortened) / 1600 mm
- can be shortened: 150 mm

Accessories (included in delivery)
- 5104

Art. No.
- L-17/20 WS (1-940)
- LD-17/20 WS (1-953)

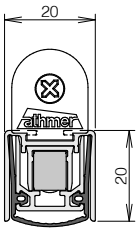
No CF 5675

Stadi L- 20/20, Stadi LD-20/20

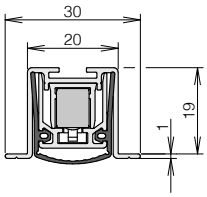
KEY FEATURES

- sound reduction of up to 54 dB
- parallel actuation & self-levelling mechanism
- inner rail can be removed whilst door is in situ, making maintenance easier
- Stadi LD: additional ‹delay› mechanism, seal drops 6-8 seconds after door closes - ideal for airlock rooms, etc.

DIMENSIONS/ FITTING TOLERANCES



Stadi L-20/20 WS
groove width: 20 mm



Stadi L-20/20 OS
groove width: 20 mm

Stadi LD-20/20 WS
groove width: 20 mm

Stadi LD-20/20 OS
groove width: 20 mm

DATA

Application
- at the threshold of hinged, single action system doors

Gasket material
- self-extinguishing, flame retardant silicone

Travel
- 16 mm

Fixing
- rebated into a groove in the door
- screw fixed both sides

Performance
- Certifire
- UL
- MPA certified: 1,000,000 test cycles (200,000 for LD versions)
- EPD

Standard lengths
- 750, 900, 1050, 1200 mm

Minimum/ maximum lengths
L-20/20 WS/ L-20/20 OS
- 230 mm (cannot be shortened) / 2000 mm
- can be shortened: 150 mm (either side)

LD-20/20 WS/ LD-2020 OS
- 635 mm (cannot be shortened) / 1600 mm
- can be shortened: 150 mm

Accessories (included in delivery)
- L-20/20 WS / LD-20/20 WS (5104)
- L-20/20 OS (5503)
- LD-20/20 OS (5428)

Art. No.
- L-20/20 WS(1-939)
- L-20/20 OS (1-972)
- LD-20/20 WS (1-952)
- LD-20/20 OS (1-985)

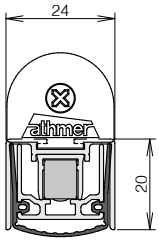
certifire
No CF 5675

Stadi L- 24/20, Stadi LD-24/20

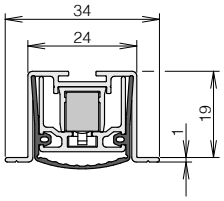
KEY FEATURES

- sound reduction of up to 54 dB
- parallel actuation & self-levelling mechanism
- inner rail can be removed whilst door is in situ, making maintenance easier
- Stadi LD: additional ‹delay› mechanism, seal drops 6-8 seconds after door closes - ideal for airlock rooms, etc.

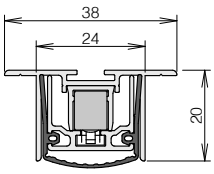
DIMENSIONS/ FITTING TOLERANCES



Stadi L-24/20 WS
groove width: 24 mm



Stadi L-24/20 OS
groove width: 24 mm



Stadi L-24/20 TS
groove width: 38 mm

Stadi LD-24/20 WS
groove width: 24 mm

DATA

Application
- at the threshold of hinged, single action system doors

Gasket material
- self-extinguishing, flame retardant silicone

Travel
- 16 mm

Fixing
- rebated into a groove in the door
- screw fixed both sides

Performance
- Certifire
- UL
- MPA certified: 1,000,000 test cycles (200,000 for LD versions)
- EPD

Standard lengths
- 750, 900, 1050, 1200 mm

Minimum/ maximum lengths
L-24/20 WS
- 230 mm (cannot be shortened) / 2000 mm
- can be shortened: 150 mm (either side)

L-24/20 OS/ L-24/20 TS
- 230 mm (cannot be shortened) / 3000 mm
- can be shortened: 150 mm

LD-24/20 WS
- 635 mm (cannot be shortened) / 1600 mm
- can be shortened: 150 mm

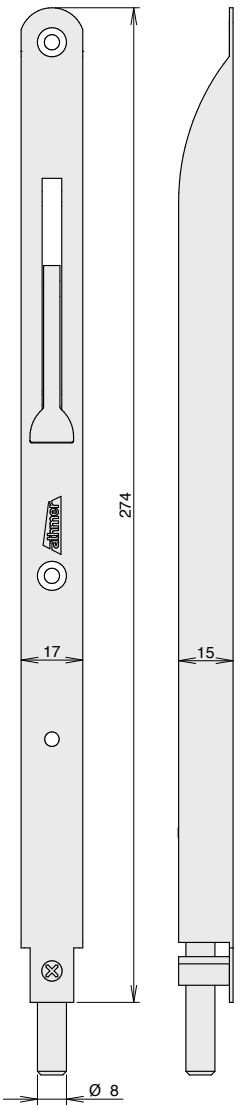
Accessories (inlcuded in delivery)
- L-20/20 WS / LD-20/20 WS (5104)
- L-20/20 OS (5503)
- LD-20/20 OS (5428)

Art. No.
- L-24/20 WS(1-938)
- L-24/20 OS (1-959)
- L-24/20 TS (1-960)
- LD-24/20 WS (1-951)

No CF 5675

Flushbolt

DIMENSIONS/ FITTING TOLERANCES



TK-15/T
250 mm
TK-20 II
274 mm

KEY FEATURES

- matching top and bottom versions available
- continuous seal around bolt maintains optimal acoustic performance
- 8 mm diameter bolt, 15 mm throw
- made from stainless steel
- machining of seal prepared by Athmer before delivery
- same milling dimensions at head and threshold of door

DATA

Application
- at the head and threshold of hinged, single action double system doors

Material
- stainless steel

Fixing
- rebated into a groove in the door, screw fixed

Size
TK-15/T
- 17x250 mm

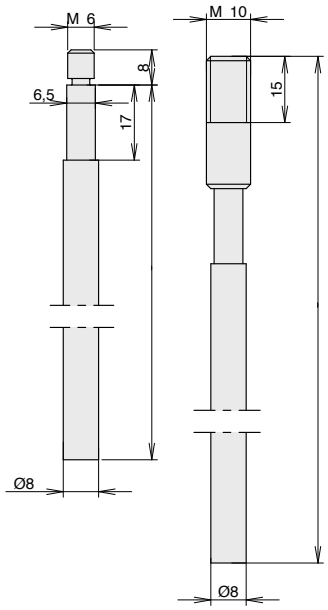
TK-20 II
- 17x274 mm

Article numbers / compatibility

	Art. No.	compatibility
TK-15/T	1653	for use at the head of door
TK-20 II	1651	for use with entire Stadi range

Concealed Flushbolt

DIMENSIONS/ CONNECTIONS



1502-1187
M6
1187 mm

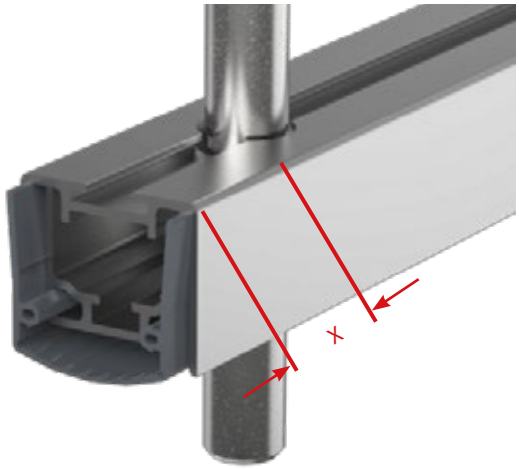
1502-1217
M10
1217 mm

1502-1487
M6
1487 mm

1502-1517
M10
1517 mm

KEY FEATURES

- fully concealed unit, ideal for automatic & panic systems
- continuous seal around bolt maintains optimal acoustic performance
- 8 mm diameter bolt, 15 mm throw
- bolt can be supplied to suit both M6 & M10 connections
- machining of seal prepared by Athmer before delivery
- available for all backsets - state dimension X on order



DATA

Application
- hinged, single action double system doors

Material
- stainless steel

Fixing
- rebated into a groove in the door, screwed

Size
1502-1187
- M6, 1187 mm

1502-1217
- M10, 1217 mm

1502-1487
- M6, 1487 mm

1502-1517
- M10, 1517 mm

Compatibility

	compatibility
1502-1187	for use with entire Stadi range
1502-1217	for use with entire Stadi range
1502-1487	for use with entire Stadi range
1502-1517	for use with entire Stadi range

SURFACE MOUNTED DROP SEALS
for timber and system doors

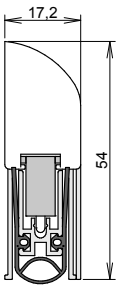
A range of automatic drop seals that are surface mounted to timber, metal and glass doors. Drop seals are fitted to the bottom of the door and are designed to drop automatically when the door is closed to form a seal with the floor. The seal then retracts when the door is opened to ensure the door operation is unhindered. Their main purpose is to provide an effective barrier against sound transfer but they also protect against dirt, dust and smells. We have tested options for smoke.

Schall-Ex® L-15 FS

KEY FEATURES

- sound reduction of
  52dB over a 7mm gap
  50dB over a 12mm gap
- parallel actuation & self-levelling mechanism
- removable actuator deactivates automatic function during the construction phase
- seal can be easily adjusted by hand

DIMENSIONS



Schall-Ex® L-15 FS

DATA

Application
- at the threshold of hinged, single action doors

Gasket material
- self-extinguishing, flame retardant silicone

Travel
- 20 mm

Fixing
- screw fixed to the face of the door (closing face only)

Performance
- Certifire
- UL
- MPA certified: 1,000,000 test cycles
- EPD

Standard lengths
- 805, 930, 1055 mm

Minimum/ maximum lengths
- 235 mm (cannot be shortened) / 2335 mm
- can be shortened: 125 mm

Accessories (included in delivery)
- 5314

Art. No./ finish
- silver-coloured, anodised C-0 (1-884),
- stainless steel-coloured, anodised C-31 (1-885),
- powder coated white RAL 9016 (1-888)

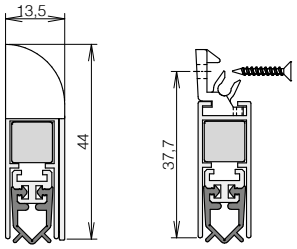
No CF 5675

Wind-Ex

KEY FEATURES

- self-levelling mechanism
- removable actuator deactivates automatic function during the construction phase
- seal can be easily adjusted by hand

DIMENSIONS



Wind-Ex S

DATA

Application
- at the threshold of hinged, single action doors

Gasket material
- PVC

Travel
- 11 mm

Fixing
- screw fixed to the face of the door (either side)

Performance
- 200,000 test cycles

Standard lengths
- 735, 860, 985, 1110mm

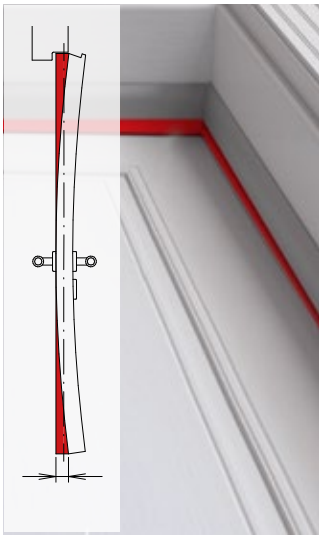
Minimum/ maximum lengths
- 235 mm (cannot be shortened) / 1335 mm
- can be shortened: 125 mm

Accessories (inlcuded in delivery)
- 5955

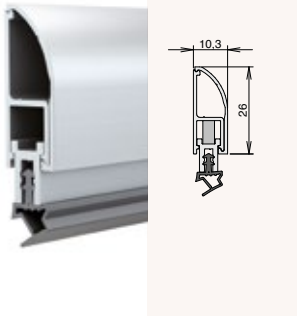
Art. No./ finish
- silver-coloured, anodised C-0 (1-310),
- dark bronze-coloured, anodised C-34 (1-309),
- powder coated white RAL 9016 (1-311)

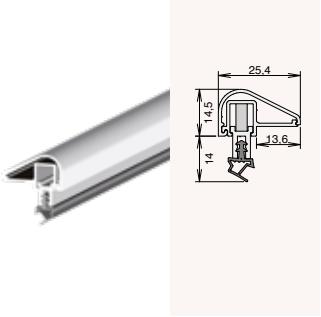
NADI®

- Designed for upgrading the smoke and acoustic performance of existing doors
- Smoke tested in accordance with EN 1634-3 (up to 200 degrees and at 50Pa)
- Can be fitted to fire doors (MPA NRW approval available)
- Large tolerance compensation of up to 10mm ideal for warped doors (optionally 14mm – ask for details)
- Suitable for installation onto flush or rebated, single or double doors of any material
- Can be used with a rebated drop seal or with the Schall-Ex L-15 FS as pictured
- “Snap-on” cover plate, elongated screw holes and pre-formed corners for fast, convenient installation



NADI® set profiles





Technical data

Width / height, actuated	10.3 mm	29 mm	25.4 mm	18 mm
Standard length	950 mm - 3,000 mm		950 mm - 3,000 mm	
Can be shortened by	150 mm on both sides		150 mm on both sides	
Tolerance compensation	10 mm (optionally 14 mm)		10 mm (optionally 14 mm)	
Material	Aluminium, silver-coloured, anodised C-0		Aluminium, silver-coloured, anodised C-0	
Sealing profile material	Silicone, self-extinguishing		Silicone, self-extinguishing	
Sealing profile colour	Grey		Grey	

Article numbers

			NADI® LM set Art. no.	NADI® FM set Art. no.
Single-leaf door	(mm)	H 2,100 x W 650 - 950	320 200	320 235
		H 2,100 x W 951 - 1,250	320 201	320 236
		H 2,100 x W 1,251 - 1,500	320 202	320 237
		H 2,400 x W 650 - 950	320 208	320 238
		H 2,400 x W 951 - 1,250	320 209	320 239
		H 2,400 x W 1,251 - 1,500	320 210	320 240
		H 2,700 x W 650 - 950	320 216	320 241
		H 2,700 x W 951 - 1,250	320 217	320 242
		H 2,700 x W 1,251 - 1,500	320 218	320 243
		H 3,000 x W 650 - 950	320 225	320 244
		H 3,000 x W 951 - 1,250	320 226	320 245
		H 3,000 x W 1,251 - 1,500	320 227	320 246
Double-leaf door	(mm)	H 2,100 x W 951-1,250	320 203	320 247
		H 2,100 x W 1,251 - 1,500	320 204	320 248
		H 2,100 x W 1,501 - 1,800	320 205	320 249
		H 2,100 x W 1,801 - 2,100	320 206	320 250
		H 2,100 x W 2,101 - 2,400	320 207	320 251
		H 2,100 x W 2,401 - 2,700	320 316	-
		H 2,400 x W 951 - 1,250	320 211	320 252
		H 2,400 x W 1,251 - 1,500	320 212	320 253
		H 2,400 x W 1,501 - 1,800	320 213	320 254
		H 2,400 x W 1,801 - 2,100	320 214	320 255
		H 2,400 x W 2,101 - 2,400	320 215	320 256
		H 2,400 x W 2,401 - 2,700	320 317	-
		H 2,700 x W 951 - 1,250	320 219	320 257
		H 2,700 x W 1,251 - 1,500	320 220	320 258
		H 2,700 x W 1,501 - 1,800	320 221	320 259
		H 2,700 x W 1,801 - 2,100	320 222	320 260
		H 2,700 x W 2,101 - 2,400	320 223	320 261
		H 2,700 x W 2,401 - 2,700	320 224	320 262
		H 3,000 x W 951 - 1,250	320 228	320 263
		H 3,000 x W 1,251 - 1,500	320 229	320 264
		H 3,000 x W 1,501 - 1,800	320 230	320 265
		H 3,000 x W 1,801 - 2,100	320 231	320 266
		H 3,000 x W 2,101 - 2,400	320 232	320 267
		H 3,000 x W 2,401 - 2,700	320 233	320 268
		H 3,000 x W 2,701 - 3,000	320 234	320 269

Further sets on request.

Dorette-Haus in Berlin
Goldbach Kirchner © Mark Asipowicz, WAF Architekten

DROP SEALS
for glass doors

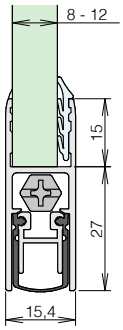
A range of automatic drop seals that can be either designed into or surface mounted to glass doors. Drop seals are fitted to the bottom of the door and are designed to drop automatically when the door is closed to form a seal with the floor. The seal then retracts when the door is opened to ensure the door operation is unhindered. Their main purpose is to provide an effective barrier against sound transfer but they also protect against dirt, dust and smells. We have tested options for smoke.

Schall-Ex® GS H-8/12

KEY FEATURES

- Sound reduction of
  43dB over a 7mm gap
  41dB over a 10mm gap
- self-levelling mechanism
- seal can be easily adjusted by hand

DIMENSIONS/ FITTING TOLERANCES



Schall-Ex® GS-H8/12
glass thickness: 8-12 mm

DATA

Application
- at the threshold of hinged, single action glass doors

Gasket material
- self-extinguishing, flame retardant silicone

Travel
- 12 mm

Fixing
- bonded with builder's adhesive (not supplied)

Performance
- MPA certified: 1,000,000 test cycles
- EPD

Standard lengths
- 708, 833, 958, 1083, 1208 mm

Minimum/ maximum lengths
- 235 mm (cannot be shortened) / 1335 mm
- can be shortened: 125 mm

Accessories (included in delivery)
- 5550

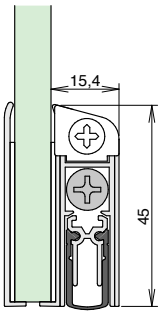
Art. No./ finish
- silver-coloured, anodised C-0 (1-817),
- stainless steel-coloured, anodised C-31 (1-818),

Schall-Ex® GS-A, Slide GS-A

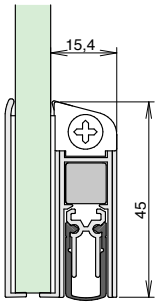
KEY FEATURES

- sound reduction of
  43dB over a 7mm gap
  41dB over a 10mm gap
- self-levelling mechanism
- seal can be easily adjusted by hand

DIMENSIONS/ FITTING TOLERANCES



Schall-Ex® GS-A
glass thickness ≥ 6 mm



Schall-Ex® Slide GS-A
glass thickness ≥ 6 mm

DATA

Application
- GS-A: at the threshold of hinged, single action glass doors
- Slide GS-A: at the threshold of sliding glass doors

Gasket material
- self-extinguishing, flame retardant silicone

Travel
- 11 mm

Fixing
- self-adhesive

Performance
GS-A
- MPA certified: 1,000,000 test cycles
- EPD

Standard lengths
- 708, 833, 958, 1083, 1208 mm

Minimum/ maximum lengths
GS-A
- 235 mm (cannot be shortened) / 1333 mm
- can be shortened: 125 mm

Slide GS-A
- 280 mm (cannot be shortened) / 1958 mm
- can be shortened: 125 mm

Accessories (included in delivery)
- GS-A (5139)
- Slide GS-A (5115)

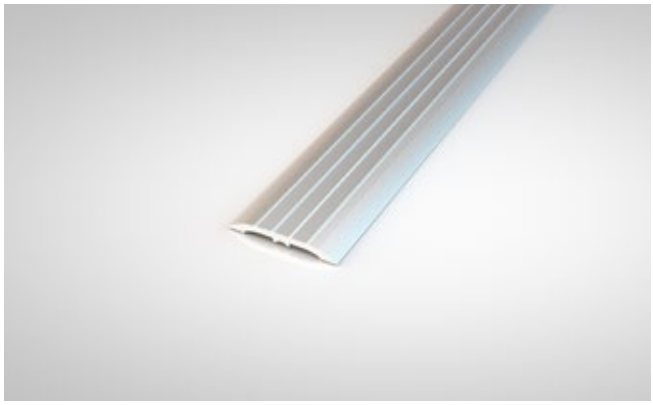
Art. No./ finish
GS-A
- silver-coloured, anodised C-0 (1-814),
- stainless steel-coloured, anodised C-31 (1-815),

Slide GS-A
- silver-coloured, anodised C-0 (1-875),
- stainless steel-coloured, anodised C-31 (1-876),

THRESHOLDS

A range of aluminium and stainless steel threshold plates for use on door sills. These products can help correct floor unevenness and alleviate the effects of different floor types between rooms. They also provide an optimum sealing surface for our drop seals to seal against.

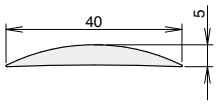
Aluminium thresholds



KEY FEATURES

- recommended for optimal acoustic performance
- range of options for use with both carpets and tiled floors
- low profile, suitable for disabled access

DIMENSIONS/ FITTING TOLERANCES



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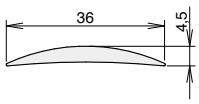

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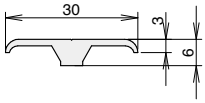

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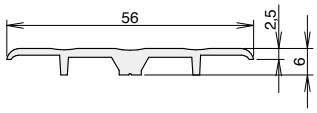

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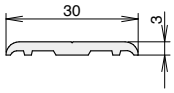

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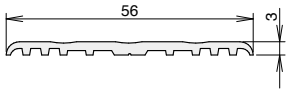

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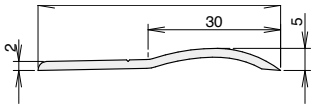
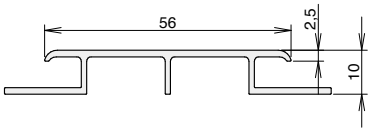


217



496

DATA

Application
- at the threshold of doorsets

Material
- aluminium

Fixing
- bonded with adhesive or fixed with screws (not supplied)

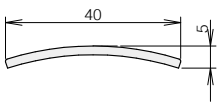
Article numbers
- 090 (3-111)
- 253 (3-114)
- 088 (3-117)
- 277 (3-104)
- 308 (3-120)
- 278 (3-108)
- 217 (3-100)
- 496 (3-152)

Stainless steel thresholds

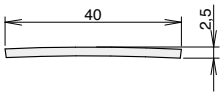
KEY FEATURES

- recommended for optimal acoustic performance
- range of options for use with both carpets and tiled floors
- low profile, suitable for disabled access
- stainless steel profiles supplied with protective film

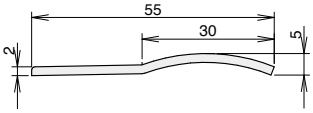
DIMENSIONS/ FITTING TOLERANCES



164



365



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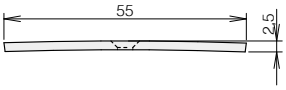

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DATA

Application
- at the threshold of doorsets

Material
- stainless steel

Fixing
- bonded with adhesive or fixed with screws (not supplied)

Article numbers
- 164 (3-107)
- 365 (3-135)
- 288 (3-103)
- 513 (3-150)

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J C S

JULIUS CRONENBERG SOPHIENHAMMER
OFFENE HANDELSGESELLSCHAFT SEIT 1711

Athmer oHG

Sophienhammer
59757 Arnsberg-Müschede
Germany

T +49 2932 477-500
F +49 2932 477-100

info@athmer.com
www.athmer.com

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