



athmer.com

Automatic dropseals

NORTH AMERICAN SELECTION / 2023

athmer



GOOD DOORS DESERVE
FIRST-CLASS SEALS

**GOOD
CUSTOMERS
DESERVE
FIRST-CLASS
SERVICE**

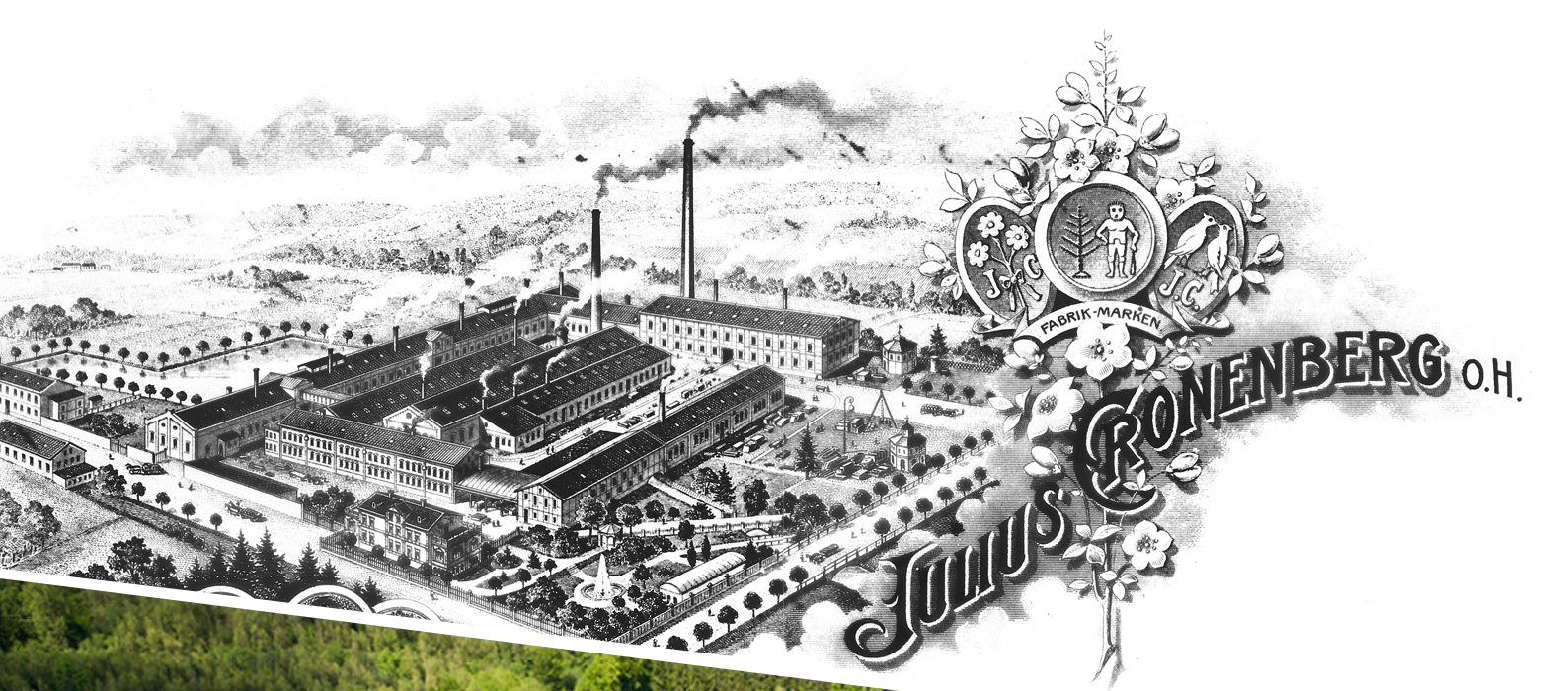
athmer, based in Arnsberg-Müschede, is the leading international manufacturer of sealing and finger protection systems for doors and gates. Automatic drop seals from athmer comply with the recommendations for barrier-free and sustainable construction.

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.



Responsible and reliable since 1711

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.



Quality Made in Germany

For us, quality is an important component of athmer's success, because we produce durable, reliable and therefore sustainable products. Door seals and finger protection systems must meet the highest standards before they are installed. At the same time, we always have a desire for innovation.

This is one reason why we have over 150 patents and utility models worldwide that optimize seals and finger protection. Before a product leaves our company, it is put through its paces. Because only when it meets our high quality standards it's ready for the market and good enough for our customers.

Research and development

**Traditions
that bind.
Innovations
that change.**

When introducing new products, the research and development process is of crucial importance. A thorough development process ensures a smooth product launch and continuous usability. This is highly relevant in today's world, where innovations must be integrated efficiently and without errors.

Thanks to modern technology and the necessary know-how, a whole range of development processes can be carried out in-house. These include 3D modeling, 3D printing and pre-testing of various materials. The key to our success is our ability to adapt to an ever-changing market, which has established us as pioneers in sealing technology.

Our commitment 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.



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 independent testing as evidence of our seal's durability. MPA's independent verification is another example of our commitment to quality and it supports the extensive and frequent internal testing we conduct on our products.



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 CO² calculator to help users understand the tangible environmental benefits of fitting Athmer seals to their buildings. You can access it via co2ool.info.

CHOOSE YOUR
PRODUCT

Athmer Drop Seal Solutions



**Schall-Ex®
L-15/30 WS**
The universal solution for any wood swing door.



**Schall-Ex®
L-15/30 WS Pivot**
The only dropseal solution available for pivot doors.



**Schall-Ex®
L-8/30 WS**
The thinnest dropseal profile available [8mm].



**Schall-Ex®
L-15/30 EK**
High performance seal with clean end plates.



**Schall-Ex®
Ultra WS**
Superior option for coastal or humid environments.



**Rainstop®
L-24/20 WS**
Zero-threshold solution for wind-driven rain.



**Stadi®
LD-20/20 WS**
Delayed-activation for positive pressure rooms.



**Schall-Ex®
L-15 FS**
Retrofit solution for hinged wood doors any thickness.



**Schall-Ex®
Jumbo 1**
Solution for doors with undercuts up to 35mm



VHH M-12 Set
Advanced acoustic solution for top-hung sliding/pocket doors.



**Schall-Ex® Slide
M-12 WS**
Sliding door option for doors with latching.



**Schall-Ex®
Slide & Lock M-12 WS**
Sliding door option with magnetic catch hold.



**Schall-Ex®
GS-H8/12**
Solution for hinged glass doors from 8-12mm.



**Schall-Ex®
GS-A**
Retrofit solution for hinged glass doors any thickness.



**Schall-Ex®
Slide GS-A**
Retrofit solution for sliding glass doors any thickness.

Rebated drop seals
for hinged timber doors

Classic solutions for everyday doors

Our range of rebated drop seals for timber doors is already well-established in the industry following **decades of assured quality** and consistent innovation. This type of drop seal is fitted into a grooved rebate in the bottom of timber doors, remaining hidden during daily use. As a result, door designers can meet performance requirements whilst maintaining the door's aesthetic quality regardless of the chosen material, style and finish.

The seal drops automatically when the door is closed to form a seal with the floor, retracting when the door is opened to ensure the door operation is unhindered. This section contains options for use with both hinged and pivoted timber doors. Their main purpose is to provide an **effective barrier against sound** transfer at the door threshold, as well as smoke, air, light, dirt, dust, insects and odours. We have tested options for specialist applications including protection from radiation, corrosion and weather elements such as wind and driving rain.



NEW GENERATION

/ The latest generation introduces an industry-wide benchmark with regard to quality and performance for timber doors

UNCOMPROMISED ACOUSTIC PERFORMANCE

/ Designed with the latest technology to reduce sound flanking and achieve the highest performance over a range of gaps

SCHALL-EX[®] L-15

THE CLASSIC
TIMBER
DOOR SEAL

CERTIFIED QUALITY

- / Testing and auditing from world-leading third-party certification schemes provide confidence in L-15's product quality and consistency

DURABILITY YOU CAN DEPEND ON

- / L-15's host of new features including parallel actuation protect the seal and door frame from damage and reduce sealing friction

FLUSH BOLT INTEGRATION

- / Schall-Ex® L-15 can be integrated with a flush bolt, maintaining optimal acoustic performance on double doors



Schall-Ex® L-15/30

- / the classic wood door drop seal
- / parallel actuation minimizes friction with the floor
- / tool-free actuator can be deactivated before building occupancy
- / actuator requires no protective press plate for the frame
- / no lateral travel during actuation enhances gasket position




DIMENSIONS

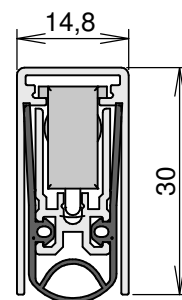
Groove width / height	15mm (9/16") / 30mm (1-3/16")
Travel	20mm (13/16")



TECHNICAL DATA

Schall-Ex® L-15/30 WS [model 1-880]

Application	hinged wood doors	
Actuation	single	
Material	self-extinguishing, flame retardant silicone	
Fixing	rebedded into a groove in the door, screw fixed both sides with fixing brackets	
Performance	Acoustic: 52dB over 7 mm gap, 51dB over 12 mm gap Fire: EN 1634-1*, UL10B & UL10C (R31866) Smoke: Certifire TS21 (CF 5675) MPA certified : tested to 1,000,000 cycles	
Standard lengths	708mm [27.87"] / 833 [32.80"] / 958 [37.72"] / 1083 [42.64"] / 1208 [47.56"] NOTE: standard lengths are easily cut on site maximum of 125 mm[4.92"].	
Min-Max length	235-2000 mm [9.25-78.75"] - custom lengths available by special order NOTE : custom lengths should not be cut down.	
Accessories	5382 strike included in the delivery	



Millimeter dimensions overrule imperial dimensions for purposes of door preparation.

*The test value may differ according to the EN 1634-1 test, as the complete door system must be checked.

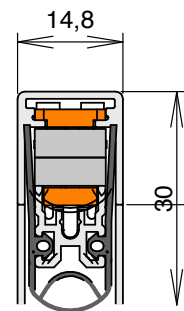
Schall-Ex® L-15/30 Pivot

- / the classic wood door drop seal
- / parallel actuation minimizes friction with the floor
- / tool free actuator can be deactivated before building occupancy
- / actuator requires no protective press plate for the frame
- / no lateral travel during actuation enhances gasket position



DIMENSIONS

Groove width / height	15mm (9/16") / 30mm (1-3/16")
Travel	12mm (1/2")



TECHNICAL DATA Schall-Ex® L-15/30 WS Pivot [model 1-946]

Application	pivoting wood doors
Actuation	single
Actuator	roller actuator
Material	self-extinguishing, flame retardant silicone
Fixing	rebated into a groove in the door, screw fixed both sides with fixing brackets
Performance	Acoustic: 52dB over 7 mm gap, 51dB over 12 mm gap Fire: EN 1634-1*, UL10B & UL10C (R31866) Smoke: Certifire TS21 (CF 5675)
Standard lengths	833 (32.80") / 958 (37.72") / 1083 (42.64") / 1208 (47.56") / 1260 (47.56") 1385 (51.48") / 1510 (57.40") / 1635 (62.32") / 1760 (67.24") / 1885 (72.17") / 2000 (77.09") NOTE : ordered lengths easily cut on site maximum 4-15/16" (125 mm)
Min-Max length	235-2000 mm (9.25"-78.75") - custom lengths available by special order. NOTE : custom lengths should not be cut down.
Accessories	8117 and 248 strike plates included with delivery



Millimeter dimensions overrule imperial dimensions for purposes of door preparation.

*The test value may differ according to the EN 1634-1 test, as the complete door system must be checked.

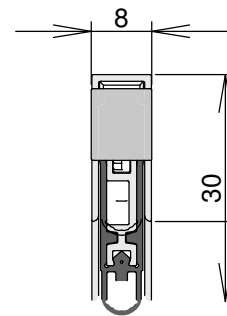
Schall-Ex® L-8/30 WS

- / narrowest seal available for wood doors
- / parallel actuation minimizes friction with the door
- / no misalignment of the inner rail
- / inner rail can be removed
- / no lateral travel during actuation enhances gasket position
- / tool free actuator can be deactivated before building occupancy




DIMENSIONS

Groove width / depth	15mm [9/16"] / 30mm [1-3/16"]
Travel	20mm [13/16"]



TECHNICAL DATA

Schall-Ex® L-8/30 WS [model 1-1000]

Application	hinged wood doors	
Actuation	single	
Material	self-extinguishing, flame retardant silicone	
Fixing	rebated into a groove in the door, screw fixed both sides with fixing brackets	
Performance	Acoustic: 49dB over 7 mm gap Fire: EN 1634-1, UL10B & UL10C (R31866) Smoke: Certifire TS21 (CF 5675) MPA Certified : tested 1,000,000 cycles	
Standard lengths	708mm [27.87"] / 833 [32.80"] / 958 [37.72"] / 1083 [42.64"] / 1208 [47.56"] NOTE : standard lengths are easily cut on site a maximum of 125 mm [4.92"].	
Min-Max length	235-2000 mm [9.25-78.75"] - custom lengths available by special order NOTE : custom lengths should not be cut down.	
Accessories	5820 strike included with delivery	

Millimeter dimensions overrule imperial dimensions for purposes of door preparation.

*The test value may differ according to the EN 1634-1 test, as the complete door system must be checked.

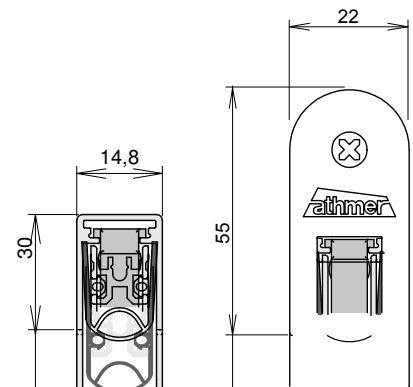
Schall-Ex® L-15/30 EK

- / drop seal with common groove dimension
- / closed end plates provide neat finish
- / parallel actuation minimizes friction with the door
- / tool free actuator can be deactivated before building occupancy
- / actuator requires no protective press plate for the frame



DIMENSIONS

Groove width	15mm (9/16") / 30mm (1-3/16")
Travel	20mm (13/16")



TECHNICAL DATA

Schall-Ex® L-15/30 EK [model 1-1017]

Application	hinged wood doors
Actuation	single
Material	self-extinguishing flame retardant silicone
Fixing	rebated into a groove in the door, fixed with end plates on both sides
Performance	Acoustic: 51dB over 7mm gap, 44dB over 12mm gap Fire: UL10B & UL10C (R31866), EN 1634-1*, Smoke: Certifire TS21 (CF 5675) MPA Certified : test to 1,000,000 cycles
Standard lengths	708mm (27.87") / 833 (32.80") / 958 (37.72") / 1083 (42.64") / 1208 (47.56") NOTE: standard lengths are easily cut on site a maximum of 125 mm (4.92")
Min-Max length	235-2000 mm (9.25-78.75") - custom lengths available by special order NOTE : custom lengths should not be cut down.
Accessories	5519 strike delivered with drop seal



Millimeter dimensions overrule imperial dimensions for purposes of door preparation.

*The test value may differ according to the EN 1634-1 test, as the complete door system must be checked.

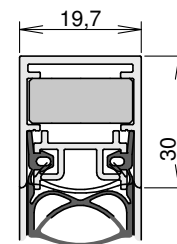
Schall-Ex® Ultra WS

- / corrosion-resistant drop seal
- / salt spray tested to EN 1670, Class 5 (480 hours)
- / ideal for use in high humidity and coastal environments
- / overload protection protects seal from excessive wear




DIMENSIONS

Groove width / depth	20mm (13/16")
Travel	12mm (1/2")



TECHNICAL DATA

Schall-Ex® Ultra WS [model 1-291]

Application	hinged wood doors	
Actuation	single	
Material	self-extinguishing, flame retardant silicone	
Fixing	rebated into a groove in the door, screw fixed both sides with fixing brackets	
Performance	Acoustic: 51dB over 7 mm gap Fire: UL10B & UL10C (R31866) Smoke: Certifire TS21 (CF 5675) MPA Certified: test to 1,000,000 cycles	
Standard lengths	708mm (27.87") / 833 (32.80") / 958 (37.72") / 1083 (42.64") / 1208 (47.56")	NOTE: ordered lengths easily cut on site maximum 4-15/16" (125 mm)
Min-Max lengths	220-2000 mm (8.66"—78.75") - custom lengths available by special order. NOTE: custom lengths should not be cut down.	
Accessories	5610 strike, included with delivery	

Millimeter dimensions overrule imperial dimensions for purposes of door preparation.

*The test value may differ according to the EN 1634-1 test, as the complete door system must be checked.

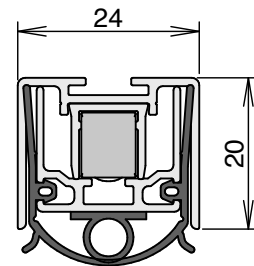
Rainstop® L-24/20 WS

- / weatherproof drop seal
- / air permeability tested (EN 12207, class 4)
- / watertightness (EN 12208, class 7a)
- / resistance to wind load (EN 12210)
- / MPA certified: 200,000 test cycles



DIMENSIONS

Groove width / depth	24mm (15/16") / 20mm (13/16")
Travel	16mm (5/8")



TECHNICAL DATA

Rainstop® L-24/20 WS [model 1-955]

Application	hinged wood doors
Actuation	single
Material	self-extinguishing, flame retardant silicone
Fixing	rebated into a groove in the door, screw fixed both sides with fixing brackets
Performance	Acoustic: 54dB over 7 mm gap Fire: UL10C (R31866) Protects against wind & driving rain up to 200 Pa in accordance with EN 12207/08 & EN 12210
Standard lengths	750mm (29.5"), 900 (35.43"), 1050 (41.34"), 1200 (47.24"), 1350 (53.15") NOTE : ordered lengths easily cut on site maximum 5.91" (150 mm)
Min/max lengths	230-2000 mm [9.06"-78.74"] - custom lengths available by special order
Accessories	5475 strike included with delivery

Millimeter dimensions overrule imperial dimensions for purposes of door preparation.

*The test value may differ according to the EN 1634-1 test, as the complete door system must be checked.

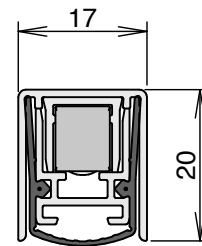
Stadi LD-17/20 WS

- / the modular system door seal
- / parallel actuation minimizes friction
- / tool-free actuator can be deactivated before building occupancy
- / overload protection protects seal from excessive wear
- / **delay mechanism**, ideal for airlock and positive-pressure rooms




DIMENSIONS

Groove width / depth	17mm [11/16"] / 20mm [13/16"]
Travel	16mm [5/8"]



TECHNICAL DATA

Stadi LD -17/20 WS [model 1-953]

Application	hinged system doors	
Actuation	single, with 8-second delayed drop	
Material	self-extinguishing, flame retardant silicone	
Fixing	rebated into a groove in the door, screw fixed both sides with fixing brackets	
Performance	Acoustic: 52dB over 7 mm gap, 51dB over 12 mm gap Fire: UL10B & UL10C (R31866) Smoke: Certifire TS21 (CF 5675) MPA Certification : tested to 200,000 cycles	
Standard lengths	750mm [29.5"], 900 [35.43"], 1050 [41.34"], 1200 [47.24"], 1350 [53.15"] NOTE : ordered lengths easily cut on site maximum 5.91" (150 mm)	
Min-Max lengths	230-2000 mm [9.06"-78.74"] - custom lengths available by special order. NOTE : custom lengths should not be cut down.	
Accessories	5428 strike included with delivery	

Millimeter dimensions overrule imperial dimensions for purposes of door preparation.

*The test value may differ according to the EN 1634-1 test, as the complete door system must be checked.

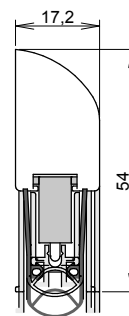
Schall-Ex® L-15 FS

- / surface-mounted drop seal
- / parallel actuation minimizes friction with the floor
- / tool-free actuator can be deactivated before building occupancy
- / no lateral travel during actuation enhances gasket position
- / concealed screws and snap-on cover profile




DIMENSIONS

Travel	20mm (13/16")
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TECHNICAL DATA

Schall-Ex® L-15 FS [model 1-884, 1-888]

Application	hinged wood & metal doors	
Actuation	single	
Material	self-extinguishing, flame retardant silicone	
Fixing	surface mounted to the face of the door, screw fixed	
Performance	Acoustic: 51dB over 7 mm gap, 44dB over 12 mm gap Fire: EN 1634-1, UL10B & UL10C (R31866) Smoke: Certifire TS21 (CF 5675) MPA Certified : tested 1,000,000 cycles	
Standard lengths	805mm (31.7"), 930 (36.61"), 1055 (41.54") NOTE : ordered lengths are easily cut on site maximum 4-15/16" (125 mm)	
Min-Max length	235-2335 (9.25"-91.93") NOTE : custom lengths should not be cut down.	
Accessories	5314 strike, included in delivery	

COLORS/ART.NO.

Silver-coloured, anod. (C-0)	1-884
White (RAL 9016)	1-888

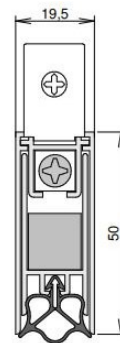
Schall-Ex® Jumbo 1

- / drop seal for wood or metal doors with larger undercuts
- / acoustic protection sealing of gaps up to 35mm
- / parallel actuation minimizes friction with the floor
- / actuation on hinge side with adjusting screw
- / no L/R handing required to specify



DIMENSIONS

Travel	35mm (1-3/8")
Width	19.5mm (3/4")
Height	50mm (2")



TECHNICAL DATA Schall-Ex® Jumbo 1 [model 1-154]

Application	hinged wood & metal doors
Actuation	single
Material	self-extinguishing, flame retardant silicone
Fixing	surface mounted to the face of the door, screw fixed
Performance	MPA Certified : tested 200,000 cycles
Standard lengths	708mm (27.87") / 833 (32.80") / 958 (37.72") / 1083 (42.64") / 1208 (47.56") NOTE : standard lengths are easily cut on site a maximum of 60 mm (2.32").
Min-Max length	450-1800mm (17.72"—70.87") - custom lengths available by special order NOTE : custom lengths should not be cut down.
Accessories	5400 strike included in delivery

Drop seals
for sliding timber, metal & glass doors

Smart solutions for space-efficient doors

Our range of sliding door drop seals has been designed with the specific requirements of sliding doors in mind. **Unique design features** like a flat-faced actuator and a low-pressure mechanism are better suited to the door's closing movement, maintaining low door operating forces and supporting long-term durability. There are options for both latched and unlatched sliding doors, with unlatched door options consisting of an integrated magnet for keeping the door closed and sealed. We also supply complete sliding door solutions, including an innovative four-sided seal for comprehensive performance.

The seal drops automatically when the door is closed to **form a seal with the floor**, retracting when the door is opened to ensure the door operation is unhindered. This section covers sliding door solutions for timber, system and glass door leaf materials. Their main purpose is to provide an effective barrier against sound transfer at the door threshold, as well as smoke, air, light, dirt, dust, insects and odours.



VHH M-12 (set)

- / top and bottom drop seal set for sliding doors
- / additional adapter supplied for top of door
- / can be fitted to pocket & wall-mounted doors
- / can be fitted to most roller systems utilizing an M8 bolt connection
- / magnet supplied for use with unlatched doors



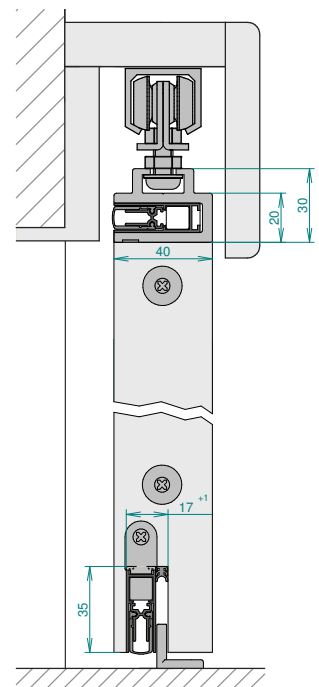
DIMENSIONS

Groove width / depth	12mm (1/2") + guide slot / 35mm (1-3/8")
Travel	11mm (7/16")

TECHNICAL DATA

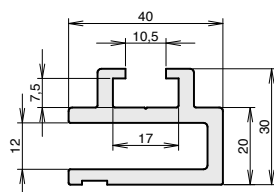
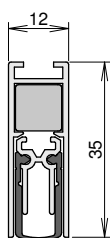
Schall-Ex® Slide M-12 SLA [model 1-839]

Application	sliding wood doors
Actuation	single
Material	self-extinguishing, flame retardant silicone
Fixing	Bottom: rebated into a groove in the door, screw fixed both sides Top: screw fixed with an adapter
Standard lengths	708mm [27.87"] / 833 [32.80"] / 958 [37.72"] / 1083 [42.64"] / 1208 [47.56"] NOTE : ordered lengths easily cut on site maximum 4-15/16" [125 mm]
Min-Max length	280-1958 mm [11"-77"]- custom lengths upon request. NOTE : custom lengths should not be cut down.
Accessories	5106, strike included with delivery



SET COMPONENTS (does not include HAWA, or other, sliding door track and wheel fittings)

- / Schall-Ex® Slide M-12 SLA (2 pcs.)
- / Slide adapter 12 (1 pc.)
- / M8 bolt and fixings (2 pcs.)
- / door guide (1 pc.)



- / magnet (2 pcs.)



- / slide spacer (1 pc.)



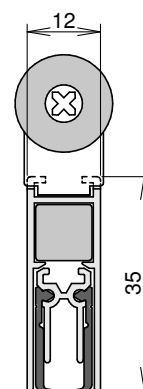
Schall-Ex® Slide & Lock M-12 WS

- / unlatched sliding door drop seal
- / flat-faced actuator with low activation pressure
- / integrated magnet for doors without latch or lock



DIMENSIONS

Groove width / depth	12mm (1/2") + guide slot / 35mm (1-3/8")
Travel	11mm (7/16")



TECHNICAL DATA

Schall-Ex® Slide & Lock M-12 WS [model 1-549]

Application	sliding wood doors
Actuation	single
Material	self-extinguishing, flame retardant silicone
Fixing	rebated into a groove in the door, screw fixed both sides with fixing brackets
Performance	Acoustic: 49dB over 7 mm gap, 46dB over 10 mm gap
Standard lengths	708mm (27.87") / 833 (32.80") / 958 (37.72") / 1083 (42.64") / 1208 (47.56") NOTE : ordered lengths easily cut on site maximum 4-15/16" (125 mm)
Min-Max length	280-1958mm (11"-77") - custom lengths upon request. NOTE : custom lengths should not be cut down.
Accessories	5105 strike, included with delivery

NOTE : Millimeter dimensions overrule imperial dimensions for purposes of door preparation.

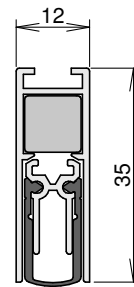
Schall-Ex® Slide M-12 WS

- / unlatched sliding door drop seal
- / flat-faced actuator with low activation pressure



DIMENSIONS

Groove width / depth	12mm (1/2") +guide slot / 35mm (1-3/8")
Travel	11mm (7/16")



TECHNICAL DATA

Schall-Ex® GS-A [1-548]

Application	sliding wood doors
Actuation	single
Material	self-extinguishing, flame retardant silicone
Fixing	rebated into a groove in the door, screw fixed both sides with fixing brackets
Performance	Acoustic: 49dB over 7 mm gap, 46dB over 10 mm gap
Standard lengths	708mm (27.87") / 833 (32.80") / 958 (37.72") / 1083 (42.64") / 1208 (47.56") NOTE: ordered lengths easily cut on site maximum 4-15/16" (125 mm)
Min-Max length	280-1958 mm (11"-77") - custom lengths upon request. NOTE: custom lengths should not be cut down.
Accessories	5113 strike, included with delivery

NOTE: Millimeter dimensions overrule imperial dimensions for purposes of door preparation.

Drop seals
for hinged glass doors

Elegant solutions for stylish doors

Our range of drop seals for glass doors has been developed with an **emphasis on the strict aesthetic requirements** demanded by frameless glass construction and with the idea to reduce the seal's visual impact as much as possible. Slimline profiles and clever design traits allow the products to blend seamlessly with the door and its hardware whilst achieving the necessary performance.

The seal drops automatically when the door is closed to form a seal with the floor, retracting when the door is opened to ensure the **door operation is unhindered**. Our range can achieve this with a range of glass thicknesses starting from 6mm. Their main purpose is to provide an effective barrier against sound transfer at the door threshold, as well as smoke, air, light, dirt, dust, insects and odours.



Schall-Ex® GS-H8/12

/ architectural glass door drop seal

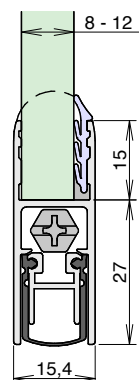


DIMENSIONS

Schall-Ex® GS-H8/12 [1-817, 1-818]

Glass thickness 8–12.7mm (5/16"-1/2")

Travel 12mm (1/2")



TECHNICAL DATA

Application hinged glass doors

Actuation single

Material self-extinguishing, flame retardant silicone

Fixing bonded to underside with builder's adhesive (not supplied)

Performance Acoustic: **40dB** over 10 mm gap
MPA Certified : tested to 1,000,000 cycles

Standard lengths 708mm (27.87") / 833 (32.80") / 958 (37.72") / 1083 (42.64") / 1208 (47.56")
NOTE: standard lengths are easily on site a maximum 125 mm (4.92")

Min-Max lengths 235-1333 mm (9.25"- 52.5") - custom lengths upon request.
NOTE : custom lengths should not be cut down.

Accessories 5550 strike, included in delivery

COLORS/ART.NO.

Silver-coloured, anodized [C-0] 1-817

Stainless Steel anodized [C-31] 1-818

other finishes available by special order

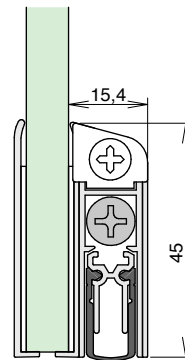
Schall-Ex® GS-A

- / retrofit glass door drop seal
- / suitable for new and existing doors with 6mm glass & thicker



DIMENSIONS

Glass thickness	minimum 6mm (1/4")
Travel	11mm (7/16")



TECHNICAL DATA

Schall-Ex® GS-A [1-875, 1-876]

Application	hinged glass doors
Actuation	single
Material	self-extinguishing, flame retardant silicone
Fixing	surface-mounted to door, self-adhesive
Performance	Acoustic: 41dB over 7 mm gap, 37dB over 10 mm gap MPA Certified : tested to 1,000,000 cycles
Standard lengths	708mm (27.87") / 833 (32.80") / 958 (37.72") / 1083 (42.64") / 1208 (47.56") NOTE : ordered lengths easily cut on site maximum 4-15/16" (125 mm)
Min-Max lengths	280—1958mm (11.02"—77.09") - custom lengths upon request. NOTE : custom lengths should not be cut down.
Accessories	5115 strike, included in delivery

COLORS/ARTICLE NO

Silver-coloured, anod. [C-0] 1-875
Stainless Steel anodized [C-31] 1-876

other finishes available by special order

Surface mounted drop seals
for hinged timber & metal doors

Retrofit solutions for existing doors

Our range of surface mounted drop seals have been designed for use with existing doors that have been subjected to **new performance requirements**. Slimline, stylish design and concealed fixing points help maintain the door aesthetic where fully concealed drop seals cannot be fitted. For instances where time is a factor, clever installation features accommodate quick and easy installation.

The **seal drops automatically** when the door is closed to form a seal with the floor, retracting when the door is opened to ensure the door operation is unhindered. Their main purpose is to provide an effective barrier against sound transfer at the door threshold, as well as smoke, air, light, dirt, dust, insects and odours.

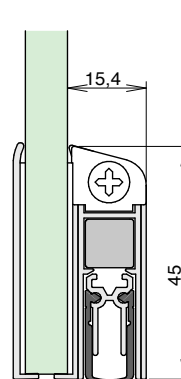
Schall-Ex® Slide GS-A

- / retrofit sliding glass door drop seal
- / suitable for new and existing doors with 6mm glass & thicker



DIMENSIONS

Glass thickness	min. 6mm
Travel	11mm



TECHNICAL DATA

Schall-Ex® Slide GS-A [model 1-817]

Application	sliding glass doors
Actuation	single
Material	self-extinguishing, flame retardant silicone
Fixing	surface-mounted to door, self-adhesive
Performance	Acoustic: 41dB over 7 mm gap, 37dB over 10 mm gap MPA Certified : tested to 1,000,000 cycles
Standard lengths	708mm (27.87") / 833 (32.80") / 958 (37.72") / 1083 (42.64") / 1208 (47.56") NOTE : ordered lengths easily cut on site maximum 4-15/16" (125 mm)
Min-Max lengths	280-1958mm (11"-77") - custom lengths upon request. NOTE : custom lengths should not be cut down.
Accessories	5503, included in delivery

COLORS/ART.NO.

Silver-coloured, anod. (C-0) 1-817

other finishes available by special order

ORDERING &
RESOURCES

Glossary of terms

ACTUATION

The motion a drop seal makes when it's sealing profile drops to the floor.

ACTUATOR

Drop seal component that protrudes from one or both sides of a door and is compressed by contact with the door frame. Upon compression it activates the inner rail and sealing profile, pushing them towards the floor.

AUTOMATIC DROP SEAL

An item of door hardware located at the bottom of a door, typically made from aluminium with built-in spring mechanism. It contains a sealing profile gasket typically made from silicone, which drops automatically upon door closing to form a seal with the floor by sealing the gap at the bottom and retracts upon door opening.

BACKSET

An ironmongery term to describe the distance between the door edge and the specified part of a door hardware item, e.g. the centre of the bolt on a flush bolt or the centre of the spindle on a door lock.

DELAYED DROP

An athmer technology available with selected drop seals. It delays actuation of the seal for 6-8 seconds after the door closes. A delay in actuation will prevent pressure changes from affecting the door operation. This feature is particularly useful in positive-pressure environments, a growing application in hospitals and biosafety labs

DOUBLE ACTUATION

An athmer technology available with selected drop seals. These models have an additional actuator on the latch side of the door, spreading actuation pressure more evenly over the door. This feature is particularly useful with wide doors and supports long-term durability.

FIRE DOOR

An engineered life safety device. Fire door is a term often used to describe a full fire door assembly including the door leaf, frame and essential hardware, which has been designed to resist fire for a specific period of time.

HEAD & JAMBS

The two types of component that together make up a door frame. The jambs are vertical members positioned at each side of a door opening. The head is a horizontal member positioned at the top of a door opening.

PRESS PLATE

A thin metal plate often supplied with our drop seals, used to prevent damage to door frames. They are supplied as an accessory to our drop seals.

SELF-EXTINGUISHING, FLAME-RETARDANT SILICONE

A type of elastomer (rubber) containing silicone, which when set alight will extinguish flames by itself. Standards available to test the performance of this type of material include UL 94.

SLIDING ACTUATOR

A particular type of actuator developed by athmer and made from a technical nylon material, designed to 'slide' across door frame surfaces. This type of actuator reduces friction with the door frame, protecting both the actuator and door frame from long-term wear.

WORKING TEMPERATURE

The temperature range within which a seal will function correctly and as described. Sometimes referred to as operating temperature.

INNER RAIL

Drop seal component used to hold the sealing profile typically made from aluminium. It is contained within the main outer housing and drops to the floor during seal actuation.

MEETING STILE

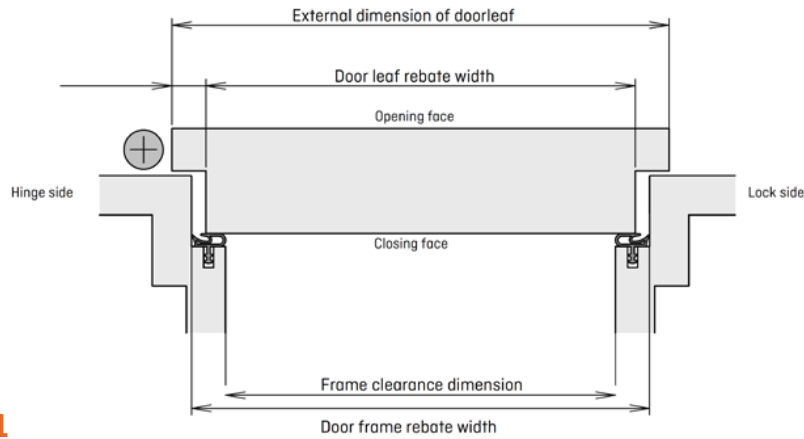
The gap where a pair of doors meet.

OVERLOAD PROTECTION

An athmer technology present in selected drop seals that automatically detects when the sealing profile has dropped far enough and cuts off further actuation pressure. Overload protection ensures a consistent, even seal and protects the seal's components from excessive pressure

PARALLEL ACTUATION

An athmer technology incorporated in selected drop seals that drops the sealing profile evenly on both sides of the door. Parallel actuation prevents seal dragging and supports long-term durability.



PRODUCT NAMES

e.g. Schall-Ex® L-1

TRAVEL	GROOVE DIMENSION (MM)	FIXING
M- medium travel	15 - groove width	EK - end caps
L- large travel	30 - groove depth	WS - fixing 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

Standards

BS 476-22

Method for determination of the fire resistance of non-loadbearing elements of construction (British standard)

DIN 18095-2

Type testing for durability and leakage of smoke control doors

DIN 4102-18

Fire behaviour of building materials and components; fire barriers, verification of automatic closure (continuous performance test)

EN 1026

Test method – air permeability of windows and doors

EN 1027

Test method – water tightness of windows and doors

EN 1191

Test method for resistance to repeated opening and closing of windows and doors

EN 12207

Classification – air permeability of windows and doors

EN 12208

Classification – water tightness of windows and doors

EN 12210

Classification – resistance to wind load of windows and doors

EN 16005

Requirements and test methods for power operated pedestrian doorsets

EN 1628

Test method – determination of resistance under static loading of pedestrian doorsets, windows, curtain walling, grilles and shutters

EN 1629

Test method – determination of resistance under dynamic loading of pedestrian doorsets, windows, curtain walling, grilles and shutters

EN 1630

Test method – determination of resistance to manual burglary attempts of pedestrian doorsets, windows, curtain walling, grilles and shutters

EN 1634-1

Fire resistance test for door and shutter assemblies, openable windows and elements of building hardware.

*The test value may differ according to the EN 1634-1 test, as the complete door system must be checked.

EN 1634-3

Smoke control test for door and shutter assemblies, openable windows and elements of building hardware

EN 1670

Requirements and test methods for corrosion resistance of building hardware



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