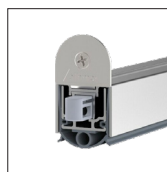
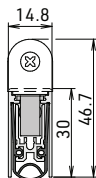


common features shared by most **athmer** drop seals : parallel activation, no lateral travel, self-leveling, self-extinguishing silicone gasket, no need for jamb strike/press plate, removable actuator for easy adjustment and construction site protection. Certifications as noted below.



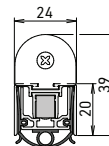
Schall-Ex® L-15/30 WS

the all around swing door acoustic solution for hinged doors, with removable actuator
max length : 2000 mm (78.74")
parallel actuation/no lateral travel/self-leveling
UL-Listed, tested to 1 million cycles



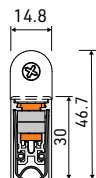
Rainstop® L-24/20 WS

high-performance seal for wind & driving rain
air permeability: 600Pa, water tightness: class 7
max length : 2000 mm (78.74")
corrosion-resistant construction
UL-Listed, tested to 200,000 cycles



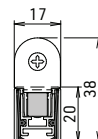
Schall-Ex® L-15/30 WS Pivot

for pivot doors, with removable roller actuator
max length : 2335 mm (91.93")
tested for wind pressure to 150 pascal
parallel actuation/no lateral travel/self-leveling
UL-Listed, tested to 1 million cycles



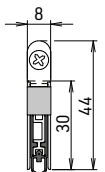
Stadi® L-17/20 WS

high-performance modular drop seal line
removable inner profile, overload protection
max length : 2000 mm (78.74")
other Stadi® sizes : 17/17, 20/20, 24/20
UL-Listed, tested to 1 million cycles



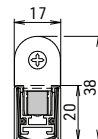
Schall-Ex® L-8/30 WS

the thinnest [8 mm, 5/16"] profile solution for hinged doors, combine on rabbeted doors
max length : 2000 mm (78.74")
parallel actuation/no lateral travel/self-leveling
UL-Listed, tested to 1 million cycles



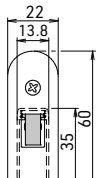
Stadi® LD-17/20 WS

drop seal with delayed drop mechanism for airlock or positive-pressure situations
max length : 1600 mm (63.00")
other Stadi® LD sizes : 17/17, 20/20, 24/20
UL-Listed, tested to 200,000 cycles



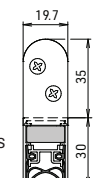
Schall-Ex® L-14/35 EK

the neat & tidy solution with closed ends for hinged doors, with removable actuator
max length : 2000 mm (78.74")
parallel actuation/no lateral travel/self-leveling
UL Listed, tested to 200,000 cycles



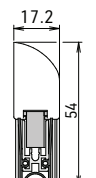
Schall-Ex® Ultra WS

ideal for humid and coastal environments
anodized profile and stainless steel springs
max length : 2000 mm (78.74")
latch-shaped actuator allows for use in pivot doors
UL-Listed, tested to 1 million cycles



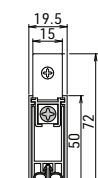
Schall-Ex® L-15 FS

retrofit solution for wood or metal doors fix with screws into door surface, easily adjustable
max length : 2335 mm (91.93")
parallel actuation/no lateral travel/self-leveling
UL-Listed, tested to 200,000 cycles



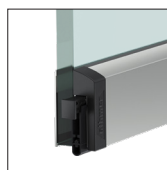
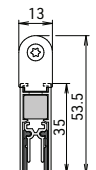
Schall-Ex® Jumbo I

for doors with larger undercuts up to 1-3/8"
groove width : 19.5 mm, groove height : 50 mm
max length : 1800 mm (70.87")
parallel actuation/no lateral travel/self-leveling
tested to 200,000 cycles (no UL certifications)



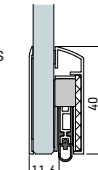
Schall-Ex® Slide M-12 WS

for sliding doors that have latching
overall width : 13 mm, overall height : 54 mm
max length : 1958 mm (77.09")
parallel actuation/no lateral travel/self-leveling



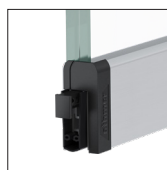
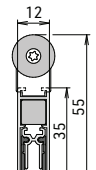
Schall-Ex® GSA

minimal profile for any thickness of frameless glass
overall width : 11.6 mm, overall height : 40 mm
max length : 2000 mm (78.74")
installed to surface with self-adhesive included
tested to 1 million cycles



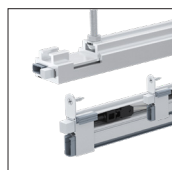
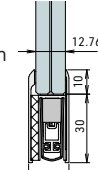
Schall-Ex® Slide & Lock M-12 WS

for sliding doors without latching
includes integrated magnetic catch
max length : 1958 mm (77.09")
parallel actuation/no lateral travel/self-leveling
UL-Listed, tested to 1 million cycles



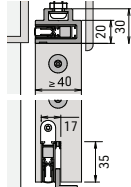
Schall-Ex® GS-13

minimal profile for frameless glass up to 12.76 mm
overall depth : 17.3 mm, overall height : 40 mm
max length : 2000 mm (78.74")
installed to surface with self-adhesive included
tested to 1 million cycles



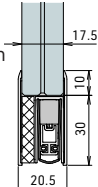
VHH M-12 Set

top and bottom seal solution for sliding doors
overall width : 17 mm, overall height : 54 mm
max length : 1958 mm (77.09")
parallel actuation/no lateral travel
UL-Listed, tested to 200,000 cycles



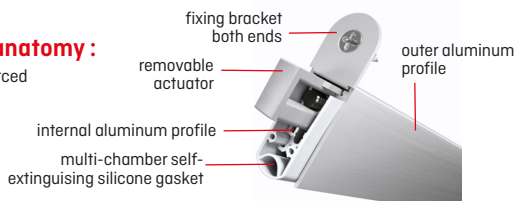
Schall-Ex® GS-17

minimal profile for frameless glass up to 17.52 mm
overall depth : 20.5 mm, overall height : 40 mm
max length : 2000 mm (78.74")
installed to surface with self-adhesive included
tested to 1 million cycles



Basic drop seal anatomy :

All components are sourced within Germany and most are sourced within 200,000m of Arnsberg, Germany, athmer's headquarters.

**Other names for drop seals :**

automatic door bottom, automatic door seal, automatic door sweep, drop-down door seal, drop-down threshold, retractable threshold

Key to product names :

example : **Schall-Ex® L-15/30 WS**

Schall-Ex® = product line (Rainstop®, Stadi, Ultra, Jumbo)

L = seal travel (L—long, M—medium), **LD**— delayed drop

15/30 = groove width in mm / groove height in mm

WS = mounting/fixing type

**WS**

fixing brackets on both ends

**FS**

Surface-mounted

**EK**

end caps/coverplates on both ends

**OS**

omega profile bottom-mounted

**TS**

T-shaped for use with metal profiles

Drop Seal Terms :**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.

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.

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.

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. In most athmer seals this can be removed for easy replacement or adjustment of the gasketing material.

DELAYED DROP

An athmer technology available with the Stadi line of 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.

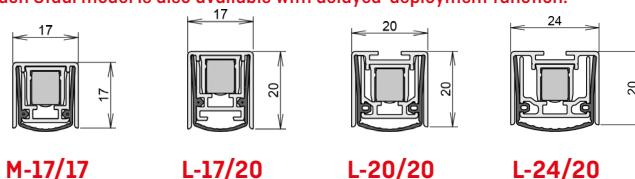
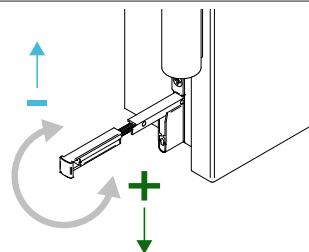
Cutting down your drop seal :**NEVER CUT FROM THE ACTUATOR END!**

Because of the way the spring and actuating mechanisms are structured inside of the profile, cutting the profile from the actuator will make the drop seal non-functional. There is no way to remedy it at that point. You must order a new one.

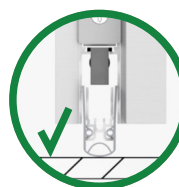
You can not cut a door seal that has been ordered as a custom length. These are made to order and the mechanisms inside will be compromised with any trimming.

The Stadi platform : The Stadi drop seals come in several sizes as it has been developed primarily for doors built from metal profiles. Best practice is to ask a fabricator for a drawing of their profile to determine which profile would be optimal for their design.

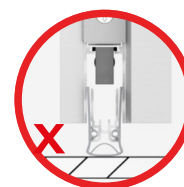
Each Stadi model is also available with delayed-deployment function.

**M-17/17****L-17/20****L-20/20****L-24/20****Easy seal travel adjustment :**

1. Pull actuator out of the profile. No tool needed.
2. Turn clockwise to reduce seal travel.
3. Turn counter-clockwise to increase seal travel.
4. Push actuator back into the profile until it clicks.



correct pressure
should be able to pass a piece of paper underneath.



incorrect pressure
more pressure does not improve performance. It can cause damage

NOTE : Rainstop, with its double chamber gasket, is an exception as it is engineered to withstand high pressure on the threshold to provide a weather-tight seal.

Regarding strike plates : Other than the Pivot and Jumbo I drop seals, athmer includes a strike plate in most accessory kits as a courtesy and a hold over from their previous products. Current actuators are non-marring and should not leave a mark unless the jamb is made from very soft material.

Common installation problem : When an installed seal is not deploying or is deploying un-evenly across the width of the door, it is often the result of a too-narrowly prepared groove which creates pressure that binds the mechanism in the profile.

About Sound Ratings :

When properly installed, all athmer seals can significantly reduce the transmission of sound through the door opening. However, the opening's overall performance is based on several products and details working together to deliver the optimal sound attenuation. As with fire ratings, to reach door seal's sound rating, all these details need to work in concert to deliver the same.