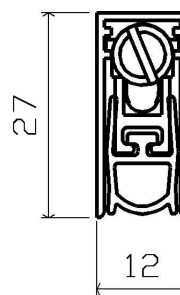


## DROP-DOWN SEAL CODE : 103SF23RT

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### *Product description:*

Sealing device engineered to fill the gap between the door bottom and the floor or threshold plate. The acoustically designed seal is operated automatically by pressure against the door jamb on its adjustable plunger (on hinge side). The spring loaded mechanism ensures a sequential dropping and self leveling sealing on entire door bottom length. The mechanism retracts in the mortised aluminum case when the door is opened by a few millimeters. The sequential dropping, in conjunction with the low friction seal, prevents the skidding on floor and allow a low operating force.



### *Characteristics:*

- Extractable internal mechanism
- Mortise mount / min. channel width 12 mm
- Screws or rivets fix on pre-drilled holes
- Gap – Seal drop : 1 – 12 mm
- Sequential dropping starting on hinge side
- Self leveling
- Standard lengths: 400 – 600 – 800 – 1000 – 1200 mm
- Trimming length: 200 mm \*
- Seal in self-extinguish TPE
- Durability: up to 1000000 cycles
- Sound insulation: up to 47 dB
- Supplied with counter plate

### *Installation:*

Check the linear length and, if it's necessary, cut the seal on the opposite side of the activating plunger. Locate the push button in direction of hinge side.

Extract the internal mechanism / seal holder through the guide blocks.

Position and fix the case by screws or rivets into the groove or channel.

Insert the internal mechanism through the guide blocks until the locked position.

Lift height adjustment: rotate the push button (threaded) by a screw driver and find the optimal position opening and closing the door while the TPE seal covers the gaps on entire door length. Do not give a excessive contact pressure.

**Materials and components:**

- Case: aluminum EN AW 6060 T6
  - o Chemical composition EN 10204-3.1
  - o Mechanical properties EN 755-2
  - o Tolerances on dimension and form 755-9
- Seal holder: aluminum EN AW 6060 T66
  - o Chemical composition EN 573-3
  - o Mechanical properties EN 755-2
  - o Tolerances on dimension and form 755-9
- Seal: TPE - PVC self extinguish UL 94 HB
  - o Compound SIGILPLAST 161
  - o Hardness: 62 ShoreA ISO 868
  - o Tensile strength min. 15 N/mm<sup>2</sup> ISO 527
  - o Max operating temperature 80 °C
  - o Inflammability UL 94 HB
- Flat springs: C85 steel EN 10270-1-SH HRC 45/50 phosphatized
- Spring guide block: PP-H
- Plunger: steel 4.8 UNI EN 20898/1 – Zinc coated
- Adjustable nut/push button: OT58 - CW614N EN 12164
- Assembly pin, bolt and nuts: heavy DIN 1481 – 4.8 DIN 965

All components are made in Italy

\* Trimming length on standard sizes

Do not press or torque the TPE seal in order to not damage and prevent a misfunction.  
Any changes in manufacture will be promptly reported to the customer  
We recommend an installation by an experienced operator

**Notes and recommendation:**

Drop-down seals doesn't require precaution for handling and storage, but they should be not bent or twisted. Periodic inspection / cleaning is recommended to ensure a good appearance and performance. The information given are based on research and development of our products through the years in order to give more information as possible to the customer, but they can't be used as specific data. The test must be conducted on the exact configuration of the final door assembly under the operating condition and the standard requirements. This data sheet cancels and replaces any other previous document.