



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.
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. Position and fix the case by screws or rivets into the groove or channel. Lift height adjustment: rotate the push button (threaded) by a screw driver and find the optimal position opening and closing the door while the VMQ silicone seal covers the gaps on entire door length. Do not give a excessive contact pressure.
Characteristics	Steel leaf springs Mortise mount / min. channel width 30 mm Screws or rivets fix on pre-drilled holes Gap – Seal drop : 1 – 10 mm Self leveling Trimming length: 200 mm (on standard size) Seal in self-extinguish silicone VMQ Durability: up to 1000000 cycles
Standard lengths	400 - 600 - 800 - 1000 - 1200 mm
Packing	70 pcs per box

MATERIALS AND COMPONENTS

Case	Aluminium alloy Mechanical properties Tolerances on dimension and form	EN AW 6060 T6 EN 755-2 EN 755-9
Seal holder	Aluminium alloy Mechanical properties Tolerances on dimension and form	EN AW 6060 T66 EN 755-2 EN 755-9
Gasket seal	Silicone VMQ compound Hardness Operating temperature Inflammability	60.021 60 ShoreA DIN 53505 -40 °C / +200 °C UL 94 HB
Flat springs	Steel Finish	C85 EN 10270-1-SH HRC 45/50 phosphatized
Plunger	Steel Finish	4.8 UNI EN 20898/1 Zinc coated
Adjustable button	Brass	OT58 - CW614N EN 12164
Assembly pin, bolt and nuts	Steel	heavy DIN 1481 4.8 DIN 965

Ordering code	299R299RTL*	L* = LENGTH IN MILLIMETERS
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**Notes and recommendations**

The manufacturer reserves the right to make modifications without notice. Any changes in manufacture will be promptly reported to the customer.

We recommend an installation by an experienced operator.

Drop 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.

Cancels and replaces any other previous edition	Date: 07/2013	SIPAM - Technical Dept. TREVISO - ITALY
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