PRODUCT INFORMATION

SELF-ADJUSTABLE CLOSURE BUMPER

Assembly time reduction for a perfect fit and finish adjustment







ARAYMOND, CLOSE TO YOU EVERYWHERE





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APPLICATION

A PERFECT FIT AND FINISH ADJUSTMENT **PROTECTS THE TAILGATE** FROM CLOSURE **VIBRATIONS**



ENVIRONMENT

The self-adjustable bumper is mounted into the tailgate and adjusted to the vehicle geometry and tolerances at the OEM assembly line.

> No additional counter-stops needed which reduce the number of parts, operations, and tolerance adjustments.

Bumper.....

Tailgate.....

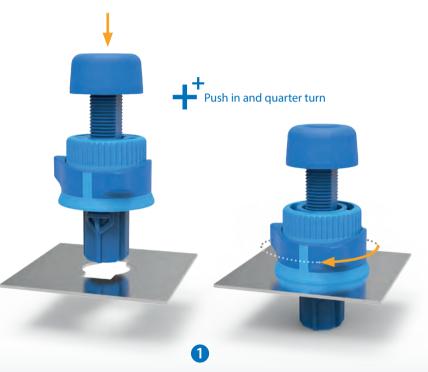


Aesthetic

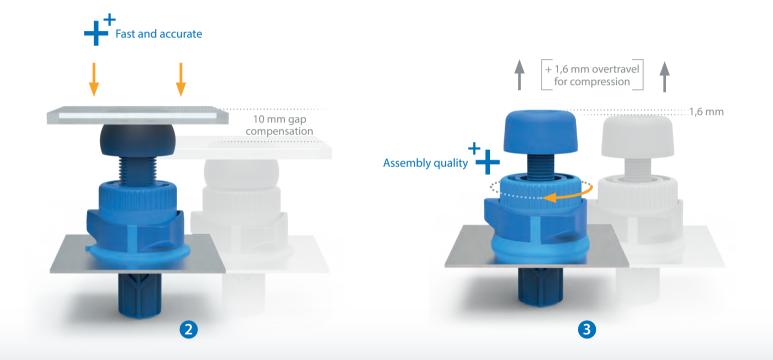
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ASSEMBLY TIME REDUCTION

- Easy assembly and secure locking by quarter turn without tool
- Auto-adjusting height of two bumpers in one closure by simple pressure of the tailgate for a perfect fit and finish adjustment in only one operation
- Secure locking of the height and automatic compression adjustment by a simple quarter turn of the ring









IMPROVED PASSENGER COMFORT

- Absorbs shocks and vibrations
- Reduces noise propagation
- Ensures watertightness
- Better perceived **quality** and **durability** Can withstand **30,000 open/close** cycles over the lifetime of a vehicle

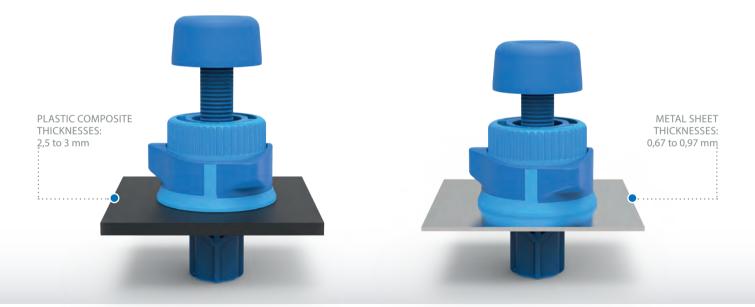
Auto-adjusted compression, ++ high quality bumper (EPDM), double seal.

Reaction force 80 N to 130 N



FLEXIBILITY OF ASSEMBLY

• Can be used for different panel thicknesses allowing a wide flexibility of assembly



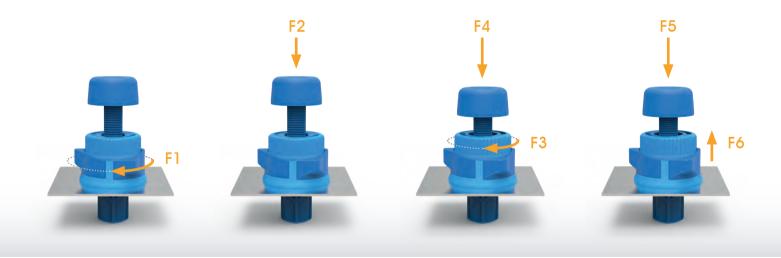


TECHNICAL SPECIFICATIONS

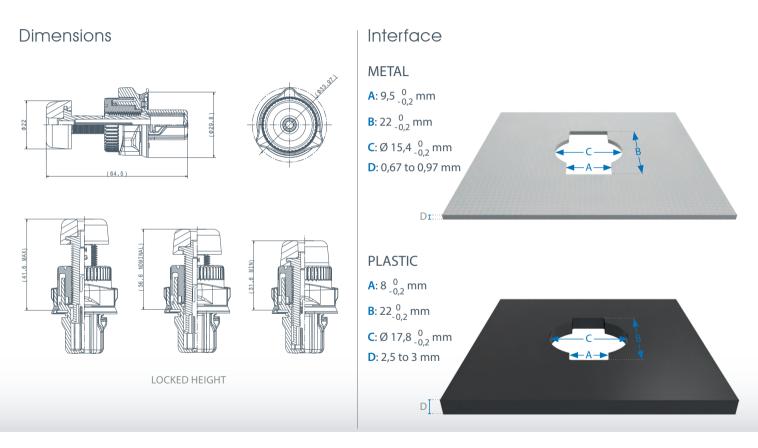
Installation efforts and performance

- F1: mounting force by 1/4 turn 2 N m
- F2: adjusting force of the bumper height 10 N (+/- 5 N)
- F3: locking force by 1/4 turn 2 N m

F4: reaction force after locking the ring in normal use condition - 80 to 130 N
F5: max compression force - 1500 N
F6: pull-out force - Up to 150 N









A FULL RANGE OF SOLUTIONS FOR CLOSURE SYSTEMS



Retaining bumpers Provide tension in the closure

assembly to prevent movement and noise while vehicle is in operation.

Overstroke bumpers

Complementary to the retaining bumpers to avoid contact between the closure panel and the body during repeated slamming.





1 TAILGATE

2 HOOD3 FUEL TRAP

KEY ADVANTAGES

ASSEMBLY TIME REDUCTION IMPROVED PASSENGER COMFORT FLEXIBILITY OF ASSEMBLY



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