

ALUMINIUM ON THE MOVE

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GNS
BY SOTRALU GROUP

NEW GEAR ACTION LOCK

NEW GEAR ACTION SYSTEM FOR A SMOOTH
AND PROGRESSIVE LOCKING

SOTRALU
GROUP

NEW GEAR ACTION LOCK GEAR ACTION REF. 7615

The Gear Action system has been developed to permit a smooth and progressive locking.

The new Gear Lock has obtained the Level 3 for Usage Grade, in tests made in independent laboratory. In the same tests the Lock has obtained the C Level for Durability, surpassing the 200.000 cycles.

HIGH SECURITY LOCK

Central lock with gear mechanism with two key turns for smooth and progressive locking and conical and rotating security pins on the edge locks.

CERTIFICATION EN 12209: 2016

Certification to 200,000 grade C cycles and grade 3 use category (20% more / 40,000 warranty cycles).

CORRECTS DOOR DEFORMATIONS CAUSED BY HEAT EXPOSURE

The progressive closing of the system and the conical geometry of the rotating pins allow the correction of deformations caused by exposure of the door to high temperatures and perfect adjustment of the sash to the frame.

WIDE RANGE OF MEASURES

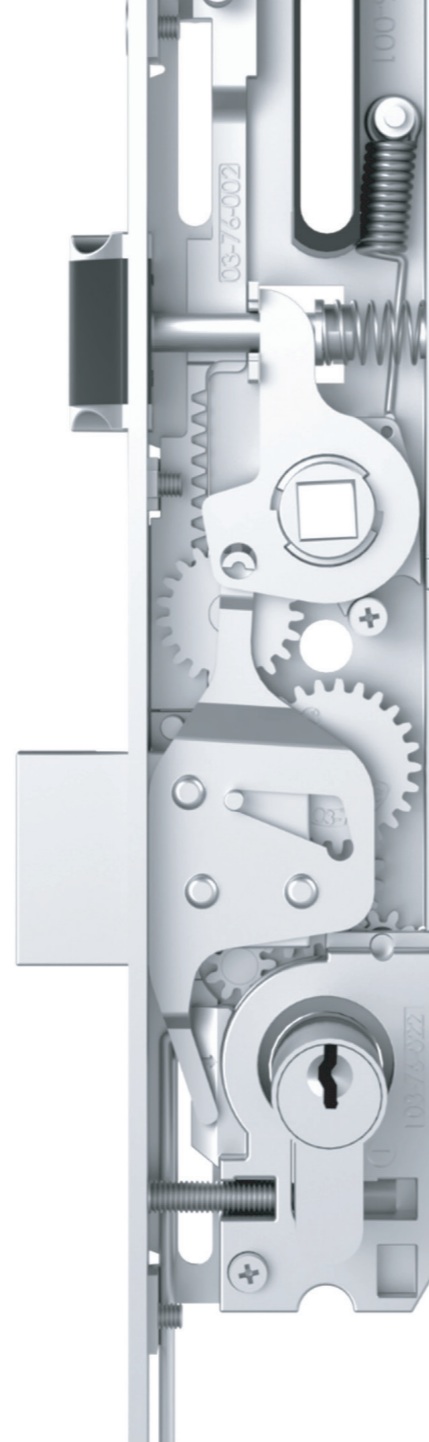
Backset measurement of 30 and 35mm, Interax of 85 and 92mm. Front plates of 1700, 1850 and 2100mm in height and 16, 22 and 24mm in width. Also available with U shape front plate.

HIGH ANTI-CORROSIVE RESISTANCE

Front of the lock and rotating pins in 304 stainless steel and the lock boxes in galvanized steel. All visible components in zamak with nickel treatment with guaranteed resistance of 480h in saline spray chamber.

SMOOTH AND PROGRESSIVE LOCKING

By turning the Cylinder Key. Full locking achieved with 2 full turns of the cylinder.



LOCK FRONT PLATE

Stainless Steel 304.
With: 16mm, 22mm, 24mm, "U".
Height: 1700mm, 1850mm, 2100mm.



LOCK BOX

Lock box in Galvanized Steel.
Width of 15mm, for a minimum machining of the profile.



LOCK MEASURES

Backset of 30 and 35mm.
Interaxis of 85 and 92mm.

STRICKER PLATE KITS

Adjustable.
In stainless steel grade 304.
Zamak components with surface treatment zinc / nickel of 480h in saltin chamber.
Available in U Shape format.



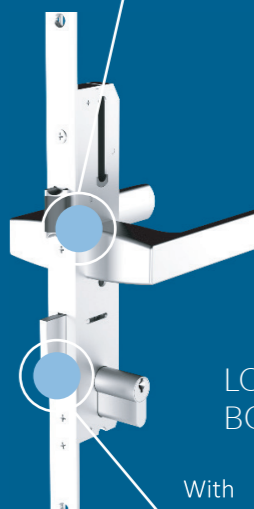
LOCK FRONT PLATE

Stainless Steel 304 grade in Flat and U Shape.



LOCK LATCH

Easy Exchange from left handed to right handed and vice-versa. Galvanized surface treatment, with anti-corrosive protection up to 480h in saltin chamber. With POM based auto-lubricant silencer. Tested according with the norm EN 12 209.



LOCK ADVANCING BOLT

With progressive locking due to the gear system. Zinc / nickel plated surface treatment with 480h anti-corrosive surface protection.



CONICAL SHAPE SAFETY PINS

Conical safety pins in stainless steel on the up and bottom locks. The pins geometry allows an optimal advancing movement, and the perfect adjustment of the sash to the frame, even in conditions of bending sashes. The Gear Action system in the up and bottom locks, allows a force dismultiplication, making the pins to advance with 5 times more force than a standard lock.