



# CERTIFICATE OF CONFORMITY

## PRODUCT

Lock Model PATENT GRANDE

## SALES CODE

B0059X.XX.XX

## CHARACTERISTICS

Embedded lock for interior doors axis 90 mm with forend 18 o 22 mm.

## MATERIALS

PARTS OF STEEL:

FE P03 AM BAND

SOFT METAL STRAP WITH SHARP EDGE

PICKLED BAND FE.P13

PARTS OF ZAMAK:

ZAMAK ALLOY 15 UNI EN 1774 ZNAL4CU1

## ANTI-CORROSION AND AESTHETIC TREATMENT

Visible steel parts are treated with galvanic procedure with various finishes (see technical catalogue).

## DESCRIPRION OF THE COMPONENTS AND THEIR CHARACTERISTICS

PATENT GRANDE lock is manufactured in versions with backset 25-30-35-40-45-50-60 ( according to the models) on forend of steel or brass of 18 or 22 mm, with rounded or squared forend.

The latch is reversible and convex on each side in order to avoid shakes of the door.

For backset 40-45-50 have through holes for handle fixing; the hub is made of zamak with hole of  $\varnothing$  8mm; the bolt is made of the same material Of the forend (6mm thickness).

The body of the lock is completely closed to avoid penetration of chips and dust inside the mechanism.

Case and cover are made of zink steel.

The key is made of zamak and has the same finish of the forend. The lock with key hole are manufactured in 6 different differs according to the models.

## TEST AND TRIALS

Tests and trials are carried out in special company laboratories and are conducted on mass produced items available from stock according to the ISO 9001 standard (company certification achieved by Alban Giacomo spa). The lock is mounted on a standard door and is activated by an automated mechanical arm for **150.000 complete cycles** according to **UNI 9173:88**. At the end of the testing procedure the lock must not show any evident signs of wear and maintain its initial functionality unaltered.

Detailed cyclic test phases:

1. push on wall with block on 3 mm
2. latch return by acting on the handle properly fixed on the hub
3. Blocking of the handle by means of piston and release of the handle in order to make the handle returning spring work.