

SPINDLE LATCH



DESCRIPTION

SPINDLE LATCH (patented), is based on the ball bearings bit system as a means for locking the shank.

The **METEOR MOTORIZED LOCK** is used for door opening, closing, locking, and pull in of medical sterilizers, ensuring that the door is securely locked and sealed before the start of the sterilization cycle.

This device does not require door closure with the handle, as the door pulling function is fully integrated into the motorized lock.

Once the door is shut, the locking shaft is engaged and held by a spring mechanism. The gear motor then performs the locking and pulling functions by rotating the spindle, which clamps onto the shaft while simultaneously pulling and sealing the door.

FEATURES

The motorized door lock can be installed horizontally and vertically;

The shank and bit system ensures precise and long-lasting door alignment, while also compensating for any play that may develop over time due to hinge components.

Door state position monitoring with electronic or electromechanical control through:

1 switch for door in **"CLOSED STATE"**

1 switch for door in **"LOCKED STATE"**

SPECIFICATIONS

A - STRUCTURE	E - CONTROL
Compact structure in aluminum alloy with operating temperature < T150°C.	The latch is controlled and tested on 100% of the production.
B - GEAR MOTOR	F - MECHANICAL DATA
Gear motor operating temperature from -20°C/60°C Disturbance suppressor with manifold VDR. Voltage: 12 / 24V. Current absorption with load: 340mA – 680mA. Current absorption without load: < 70mA – <140mA. RPM: 65rpm. Max Torque: 60Nm Data referred to ambient temperature	Screw actuator on rolling ball bearings Total travel of the screw actuator 11 mm Ball bearings: n. 3 - Ø8 mm - mat.100Cr6 Latching Spring integrated into the actuator Auto centering closing shank on ball washer Elastic bracket for the operation of the shank Time cycle: 10 sec. opening - 10 sec. closing Max. force in latching close: 1800N Max. force in locking: 8400N
C - MICROSWITCHES	G - COMPATIBILITY & INTERCHANGEABILITY WITH DIFFERENT ELECTRONIC CONTROLS
Operating temperature from T125°C. Approvals: IMQ - VDE - UL - CSA. Electrical data: = 100 mA / 230 VAC.	The METEOR door lock is designed and realized to be used on sterilizers and related professional appliances using existing electric and electronic.
D - RELIABILITY	
30.000 operation cycles	