



# SERIES 1800

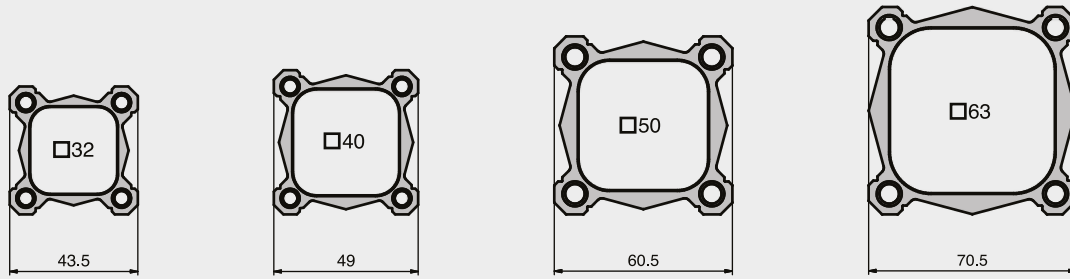
## ELECTRIC CYLINDERS

In the electric cylinders series 1800, **the rod translation is carried out by means of a screw transmission with ball recirculation**, which converts the rotary motion of an electric motor (Stepper or Brushless) into a linear motion.

- Possibility to manage the variations in speed and ramps of acceleration/deceleration
- Mid-stroke placements with centesimal precision in positioning repeatability
- Control over the drive force
- High performance
- Fixing dimensions according to standard ISO 15552

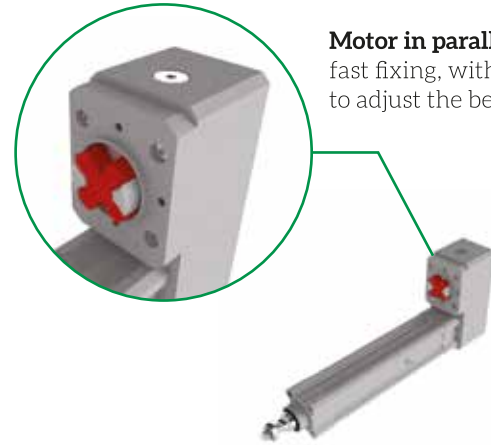
## AVAILABLE IN FOUR SIZES (32-40-50-63)

According to the pneumatic cylinders ISO15552



## GENERAL FEATURES

- Cylinder (mechanical) sold separately or as part of a complete set including cylinder, motor, cable driver, etc.
- The motor can be fixed in line or in parallel with a toothed belt drive system (1:1 reduction ratio). A customised, assembly kit is available to fit all types of motor and fixing positions.
- Magnetic piston for the use of external sensors to perform homing at the beginning of the cycle or as a security measure to avoid over-stroke.
- Protection degree: IP65
- Anti-rotating rod



**Motor in parallel:** simple and fast fixing, without the need to adjust the belt tension.

## APPLICATION EXAMPLES



Textile Industry  
(tensioning/blocking fabrics)



Laboratory  
Equipment



Automotive



Packaging,  
Food & Beverage



Machine Tools  
For Wood, Plastic, Presses



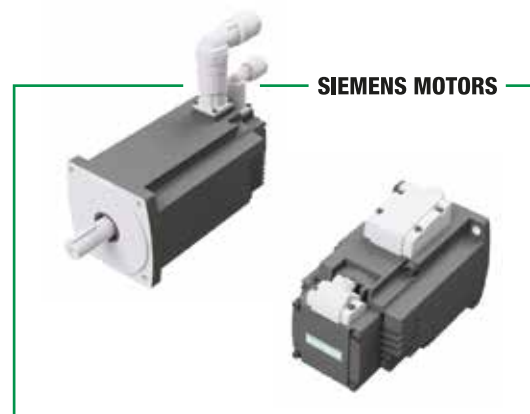
Assembly  
& Robotics

And many more.

## MOTORS

Partnership with SIEMENS for the supply of the brushless motor series 1FL (IP65).

"SIEMENS" BRUSHLESS MOTORS		
Series	Torque (Nm)	Power (W)
1FL6024	0.32	100
1FL6034	1.27	400
1FL6042	2.39	750
1FL6044	3.18	1000
1FL6052	4.78	1500
1FL6054	6.37	2000



SIEMENS MOTORS