

## ELECTRIC ACTUATORS

# EGA

Electric Gearshift Actuator  
Up to  $\pm 18$  mm stroke

### Description

---

The EGA is an electric push/pull actuator to be coupled with a ratchet of a sequential gearbox in order to replace the normal input lever. This is provided with an elastic element that prevent actuator damage and allows to store energy during the first movement so to be released during gearshift. Controlled by GCC 110 electronic unit, the EGA performs quick up-shift and down-shift and can also make an "half-shift" to find neutral position if required.

### Main Features

---

- Compact
- High push/pull force
- Very reliable
- Shaft position sensor integrated

### Benefits

---

- Keep always hands on steering wheel
- Quick shift
- Simple lay-out
- Easy to install



### Typical Applications

---

Formula car  
Touring car  
GT car  
Rally car

### Typical Performance

---

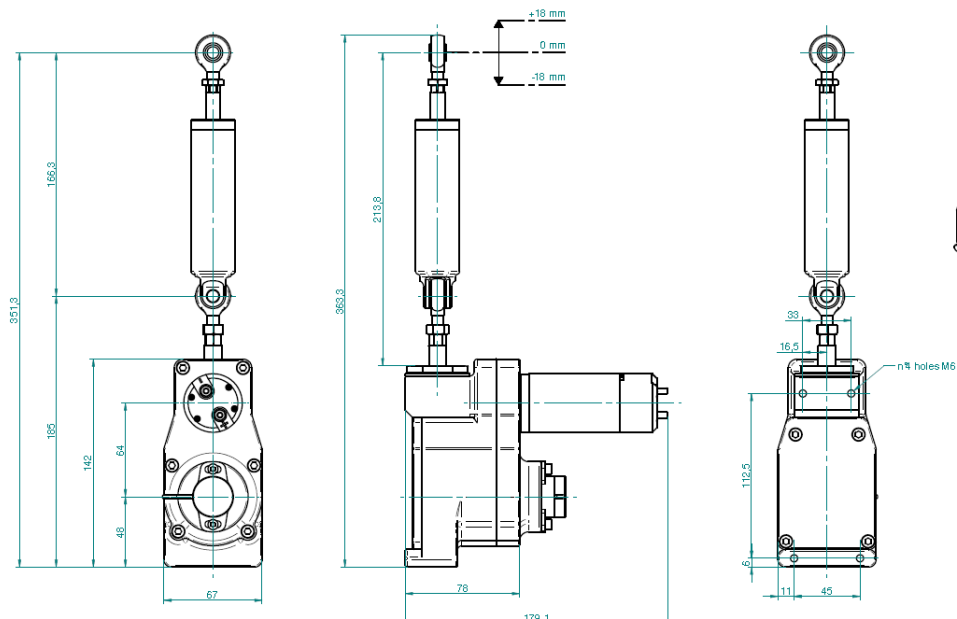
18 mm in 80 ms under load  
Gearshift allowed in 50 ms

# ELECTRIC ACTUATORS

## EGA

Electric Gearshift Actuator  
Up to  $\pm 18$  mm stroke

### Dimensions

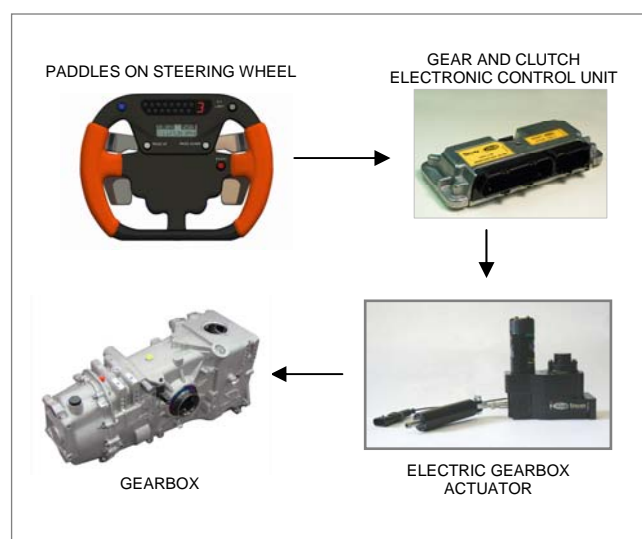


Dimensions in millimetres

### Technical Characteristics

Stroke.....	$\pm 18$	mm
Force.....	max 1000	N
Current draw .....	peak 50	A
Operating temperature.....	max 100	$^{\circ}\text{C}$
Supply Voltage.....	12-14	VDC
Weight.....	2.80	Kg

### Application schematics



For further information, please contact:

EGA-0838XXXXXXXX00



**Magneti Marelli S.p.A.**  
Motorsport  
Viale Aldo Borletti, 61/63  
20011 Corbetta (Milano) Italy

Tel. +39 02 972 27 478  
Fax +39 02 972 27 570  
sales@magnetimarelli.com  
http://www.magnetimarelli.com

November 2009  
rel. 02  
page 2 of 2