

# Telescopic pillar

## TELEMAG™ TFG

### Features

- Push or pull force
- Compact design
- Fast movement
- Powerful

### Description

TELEMAG TFG is a very compact, fast and powerful lifting pillar for loads of up to 2 500 N. The TFG can be used for push or pull applications. Thanks to the rigid aluminium profiles and the precision glide pads, the TFG can lift offset loads without distorting. The pillar consists of three designed aluminium profiles inside each other which are extended and retracted by means of an integrated linear actuator. TFG integrates a DC-motor with worm gear, whose rotary motion is converted into a linear motion by means of a spindle nut system. The pillars run very quietly and with minimum vibration at a maximum speed of 19 mm/s. Maximum stroke length is 400 mm. The TFG is self-locking for both push and pull. The stroke is limited by integrated end limit switches. For additional safety the

TFG has cut-off switches at the end positions as well as a back up nut. Pillars which have no mains connection are protected against overload by means of a suitable control or master unit. The actuator complies with IP30 and is tested in accordance with EN/UL 60601-1. Voltage options are 24 V, 120 V and 230 V. Control and operating interface accessories are available. The TFG is compatible with all the other actuators from SKF Magnetic and can be utilized in a full system of actuators and controls.

### Options

- Encoder
- Cable feedthrough

### Accessories

- Control boxes
- Hand switches
- Foot switches

### Standards

- EN/IEC 60601-1
- UL 60601-1



### Maintenance

The TELEMAG TFG requires no maintenance during its lifetime. The service life that can be expected from the actuator depends on the particular model and the application. In this respect, users must carry out their own tests. Faulty actuators may only be opened and repaired at our factory. Information regarding installation is available from the operating manuals.

Technical data	Unit	24 VDC	120/230 VAC
Max. force* (push or pull)	N	2 500	2 500
Speed	mm/s	15 to 19	15 to 19
Stroke	mm	200 to 400	200 to 400
Retracted length (3 sections)	mm	S+130	S+130
Voltage input	V	24	120/230
Current consumption	A	5	1,8/1
Duty cycle intermittent operation	-	1/9 min	1/9 min
Duty cycle short-time operation	-	3 min	3 min
Ambient temperature	°C	+10 to +40	+10 to +40
Protection class	IP	30	30
Isolation class	-	SELV	I
Weight	kg	8 to 13	8 to 13

\*See offset load diagram on next page.



