

# 844 ER

## Gearmotor

for sliding gates with max weight of 1,800 kg

844 ER Z16 for rack applications

844 R for rack applications (without pinion)

844 R CAT for chain applications

844 R RF for chain applications  
with idle transmission

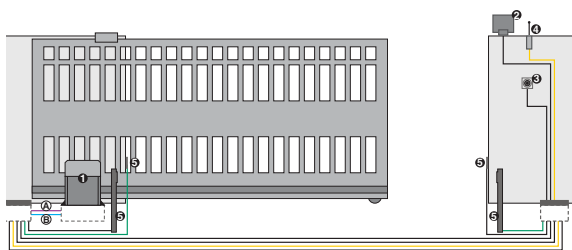


- Ideal for commercial and industrial applications.
- Anti-crushing safety.
- As the gearmotor is non reversing, no electric locks need to be installed.
- In the event of power failure, the key-operated release device makes it possible to open and close the gate manually.
- Twin-disk clutch in oil-bath.
- Inductive or magnetic limit switch (according to model).

### DIMENSIONS AND TECHNICAL SPECIFICATIONS OF 844 ER

	ER Z16	R	R CAT	R RF		ER Z16	R	R CAT	R RF
Power supply voltage	230 Vac (+6% -10%) 50 (60) Hz				Protection class	IP 44			
Absorbed power	650 W				Type of oil	FAAC HP OIL			
Absorbed current	3.5 A				Gate speed	9.5 m/min (Z16)			
Traction and thrust force	0-110 daN (Z16)				Thermal protection on motor winding	120 °C			
Motor rotation speed	1400 r.p.m.				Electric motor	Single-phase, bi-directional			
Reduction ratio	1:30				Limit switch	Magnetic	Inductive		
Operating ambient temperature	-20 °C to +55 °C				Clutch	Twin-disk in oil-bath			
Weight with oil	14.5 kg				Dimensions (L x D x H) in mm	275 x 191 x 387			

### EXAMPLE OF A TYPICAL INSTALLATION



#### ■ (A) Low voltage cabling

- 4 cables 3x0.75
- 2 cables 2x0.50

#### ■ (B) Power cabling (230V)

- 1 cable 2x1.5+T
- 1 cable 2x1.5

N.B: Cable sections in mm<sup>2</sup>

Ref.	Q.ty	Description	Item code
1	1	Gearmotor 844 ER Z16 with built-in control board	109837
	1	Foundation plate	737816
	4 m	Galvanised rack 30x12 with weld-on fittings	490122
4	1	Receiver RP 433 SLH	787824
	1	Two-channel transmitter XT2 433 SLH LR	787007
2	1	Flashing lamp FAACLIGHT	410013
5	2	Pair of photocells FOTOSWITCH	785152
	2	Aluminium columns for FOTOSWITCH	401028
	2	Foundation plates for columns	737630
3	1	Key-operated push-button T10	401010001/36
	3	Plastic containers to be walled in	720086

#### Notes

ATTENTION: The configuration does not include the safety devices (i.e.: active or passive safety edges) that are to be determined according to the specific "risk analysis" of each installation (Ref.: UNI-EN 12445 and 12453 European Standards).

- The indicated price does not include the installation costs and the expenses for masonry, electrical and metalwork preparations.

## 844 ER

Model	Use		Control unit	Item code
	Max. weight (kg)	Use frequency (%)		
844 ER Z16	1,800	70	built-in 780 D	109837
844 R	-	70	not included	109838
844 R CAT (*)	-	70	not included	109839
844 R RF (*)	-	70	not included	109895

The package **844 ER Z16**, designed for on-rack applications, includes: a gearmotor with pinion and control board 780D, limit switch magnets, release key, screw cover. The package **844 R**, designed for on-rack applications, includes: a gearmotor without pinion and without control board, limit magnets, release key, screw cover. The package **844 R CAT**, designed for on-chain applications, includes: a gearmotor without pinion and without control board, limit plates for mechanical assembly, release key, screw cover. The package **844 R RF**, designed for on-chain applications, includes: a gearmotor with idle transmissions without pinion and without control board, Limit plates for mechanical assembly, release key, screw cover.

## CONTROL UNITS



**Control board 578 D**  
(remote installation)  
Technical specifications page 145  
Item code 790922



**Control board 780 D**  
Technical specifications page 145



**Enclosure mod. L for control boards**  
Item code 720118



**Enclosure mod. E for control boards**  
Item code 720119

## SPECIFIC ACCESSORIES



**Enclosure mod. LM for control boards**  
Item code 720309



**Foundation plate with side and height adjustments**  
Item code 737816



**Release lock with customised key from no. 1 to no. 36**  
Item code from 712751 to 712786



**Rack and chain**  
See page 70



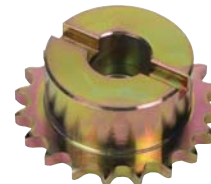
**Pinion Z16 for rack**  
Item code 719130



**Pinion Z20 for rack**  
Item code 719167



**Pinion Z16 for chain**  
Item code 719137



**Pinion Z20 for chain**  
Item code 719135

### Notes

(\*) IMPORTANT: Do not use the gearmotor for applications where it is secured at heights that users cannot reach. The key-operated release device cannot be remotely controlled.

## OTHER ACCESSORIES



**Key-operated push-buttons**  
page 159



**Photocells and Columns**  
page 163



**Safety devices**  
page 166



**Flashing lamps**  
page 167



**Transmitters**  
page 156



**Various accessories**  
page 168