

# LINEAR ACTUATORS

WITH INTEGRATED REDUCTION AND CUBIC GEARBOX. FM SERIES: STEEL TUBE | AM SERIES: ALUMINUM TUBE

## PLACING AN ORDER

<p><b>01</b> <b>SIZE</b>  <b>FM1/AM1</b>  <b>FM2/AM2</b>  <b>FM3/AM3</b>  <b>FM4/AM4</b>  <b>FM5</b>  <b>FJ1</b>  <b>FJ3</b></p> <p><b>02</b> <b>GEARBOX</b>  <b>S</b> Normal speed  <b>H</b> Slow speed</p> <p><b>03</b> <b>EQUIPMENT GENERAL PROTECTION</b>  <b>IPS</b> Standard IP protection level  <b>IPX</b> Special IP protection level</p> <p><b>04</b> <b>SCREW TYPE (DIAMETER x PITCH)</b>  <b>TRS</b> Steel trapezoidal screw  <b>KGS</b> Ball screw</p> <p><b>05</b> <b>STROKE</b>  <b>0000</b> Equipment usable stroke in mm</p> <p><b>06</b> <b>IMMOBILISATION IN ROTATION</b>  <b>00</b> No immobilization  <b>01</b> Immobilized</p> <p><b>07</b> <b>STEM FASTENING ACCESSORY</b>  <b>BPS</b> Screw flange  <b>GKS</b> Single rod  <b>GKB</b> Double rod  <b>GIR</b> Ball joint  <b>FES</b> Special end fastening  <b>000</b> No accessory</p>	<p><b>08</b> <b>BOX FASTENING ACCESSORY</b>  <b>Always on the back of the box</b>  <b>HFM</b> Gearbox fastening rod  <b>LCM</b> Gearbox mounting feet  <b>ZKM</b> ZK gearbox fastening with bolts  <b>ZKH</b> ZK gearbox fastening with bearings  <b>ZKV</b> ZK gearbox fastening with 90° bolts  <b>FMS</b> Special gearbox fastening  <b>000</b> No accessory</p> <p><b>09</b> <b>EXTERIOR TUBE FASTENING ACCESSORY</b>  <b>Exterior tube configuration F</b>  <b>BB</b> Trunnion mount with studs  <b>BH</b> Trunnion mount with ball bearings</p> <p><b>Exterior tube configuration A</b>  <b>BA</b> Trunnion mount with studs</p> <p><b>All models</b>  <b>FS</b> Special fastening  <b>00</b> No accessory</p> <p><b>10</b> <b>tilt ACCESSORY</b>  <b>SB</b> With tilt support  <b>00</b> No tilt support</p> <p><b>11</b> <b>LIMIT SWITCH ACCESSORY</b>  <b>Exterior tube configuration F</b>  <b>FCI</b> Inductive limit switches  <b>FCR</b> Inductive limit switches with regulation</p> <p><b>Exterior tube configuration A</b>  <b>FCG</b> Magnetic limit switches</p> <p><b>All models</b>  <b>000</b> No limit switches</p>
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Example	01	02	03	04	05	06	07	08	09	10	11
	FM3	H	IPS	TRS3606	1000	00	BPS	HFM	00	00	FCI



**12 STEM PROTECTION ACCESSORY**  
**Exterior tube configuration F**  
**FB** Bellow type protector  
**00** No protector

**13 DRIVE ADAPTATION**  
**MK** Standard flange  
**MS** Special drive union  
**VE** Wheel  
**00** No adaptation

**14 DRIVE POSITION ON GEARBOX**  
**A** Worm shaft side A  
**B** Worm shaft side B

**15 STANDARD MOTOR**  
**MK drive adaptation**  
**080** Group size  
**A** Power-1 / **B** Power-2  
  
**MS drive adaptation**  
**1111** Non-standard drive  
  
**Both adaptations**  
**0000** Without drive

**16 WORM SHAFT END**  
**A** Side A end suppressed  
**B** Side B end suppressed  
**0** Both sides maintained

**17 WORM SHAFT PROTECTION ACCESSORY**  
**PR** With protector  
**00** No protector

**18 LUBRICANT**  
**GRA** Standard lubricant  
**GRX** Lubricant for low extreme temperatures  
**GRS** Other lubricant

**19 LUBRICATION ACCESSORIES**  
**ETP** Sealed lubrication cap (standard)  
**EMT** Angled lubricator on gearbox or straight on tube  
**AGR** Automatic lubricating accessory  
**000** No lubricating accessory

**20 EQUIPMENT GENERAL COLOUR**  
**With type A configuration, only the gearbox is painted**  
**RGG** Graphite grey RAL7024 (standard)  
**RAZ** Blue RAL5017  
**RGP** Silver grey RAL9006  
**RSP** Special colour indicated by the customer  
**CIP** Only grey 411 priming  
**000** Not painted

12	13	14	15	16	17	18	19	20
FB	MK	A	GR080A	B	00	GRA	AGR	RGG