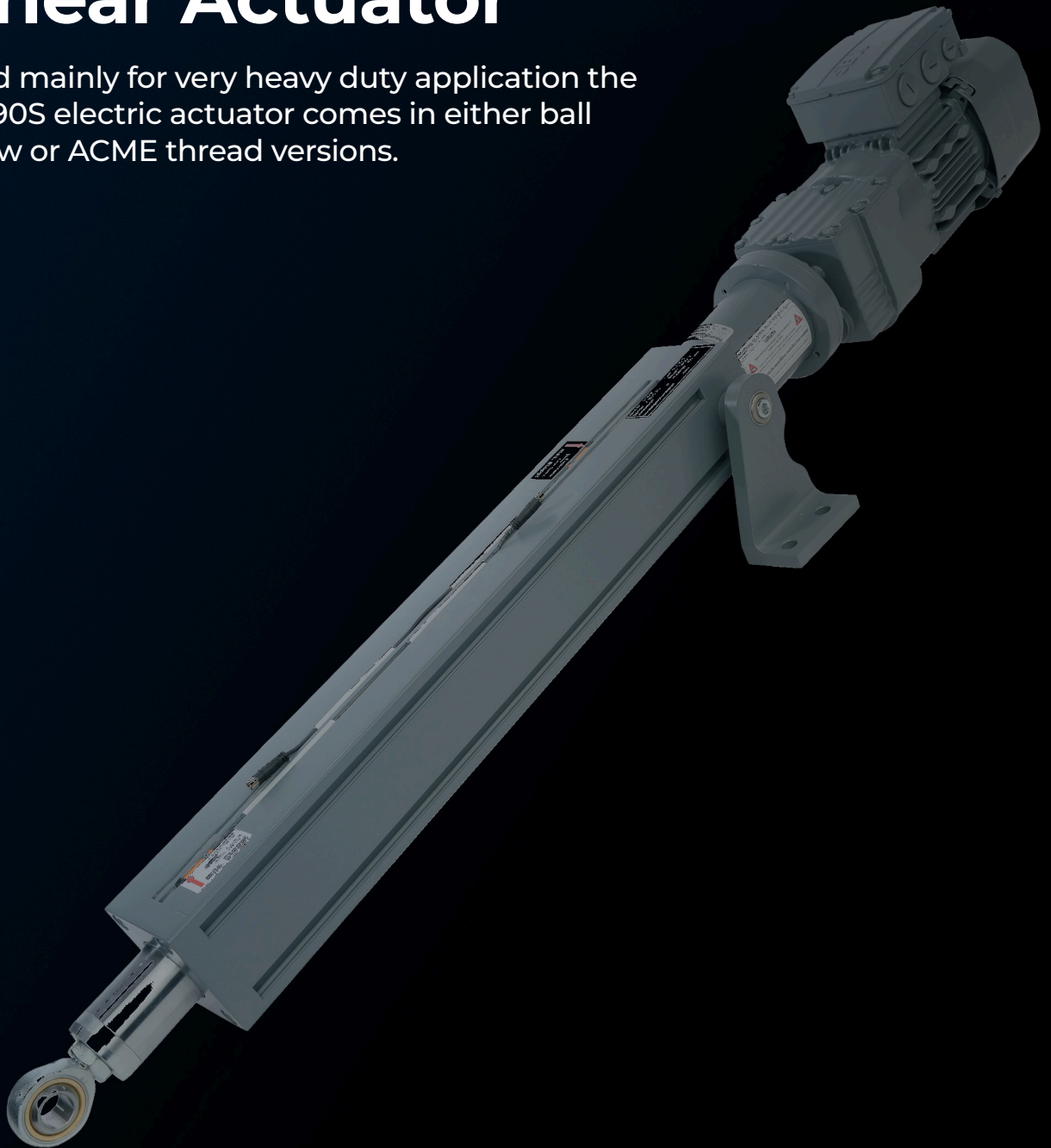




SLZ90S Heavy Duty Linear Actuator

Used mainly for very heavy duty application the SLZ90S electric actuator comes in either ball screw or ACME thread versions.



SLZ90S Heavy Duty Linear Actuator

Features

- Up to 25KN dynamic load versions available
- With ball screws (Ø25 or 32mm) or ACME thread screws (Ø26 or 36mm) to choose from
- Travel speed up to 933mm/s
- Travel length up to 2000mm
- 100% duty cycle (ball screw)
- Protection IP54 (IP66 Optional)
- Interchangeable with pneumatic or hydraulic cylinders
- Various motor options available



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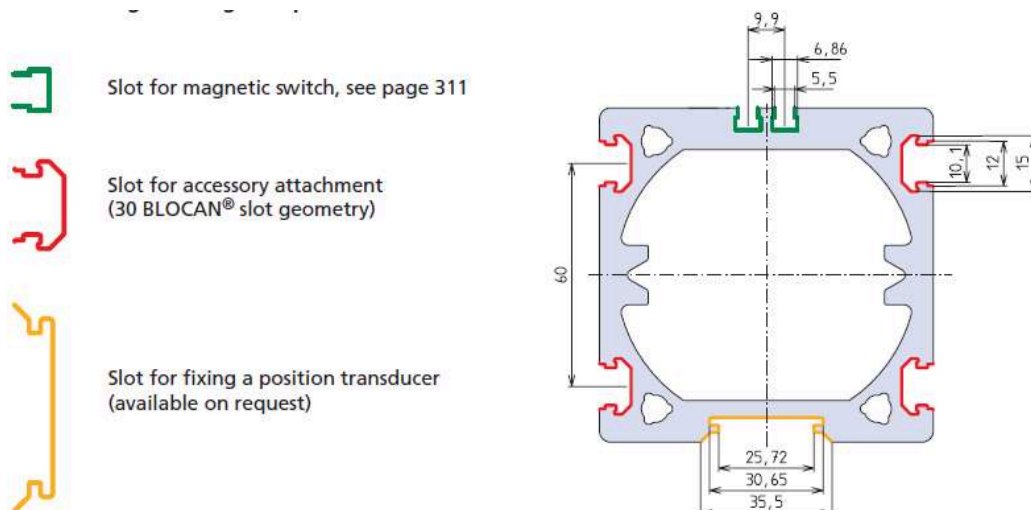
Email. sales@industrialdevicesgroup.com

Website. www.actuatorselectric.com

Specification

Type	Ball screw spindle Ø25 or 32mm	ACME spindle Ø26 or 36mm
Screw lead pitch	5 / 10 / 20mm	5 / 6mm
Max. compressive/tensile force	25,000 N	24,000 N
Max. travel length	1 900 mm	2000 mm
Max stroke speed	933mm/s	77 mm/s
Guiding	Double bearing provided by side bushes	
Duty Cycle (at max. load)	100%	25%
Ambient temperature	-20 to +70 °C	
Repeatability	To within 0.05mm	To within 0.3mm
Installation Position	Any position, without shear forces	

Connecting Slots and Guide Profile



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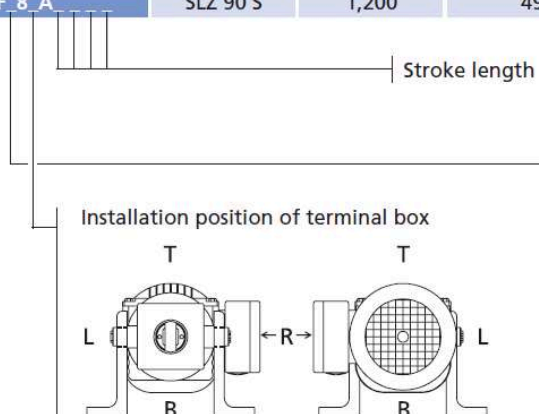


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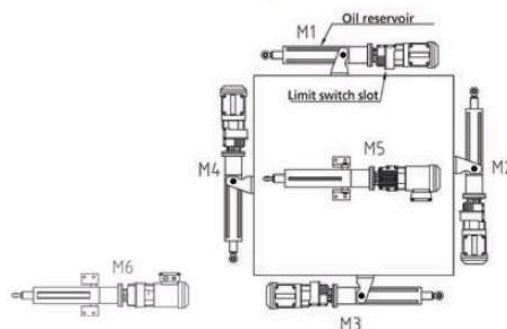
Ball Screw Version

Code No.	Type	Max. force F [N]	Max. speed [mm/s]	Max. stroke [mm]	Output [kW]	Motor selection with motor brake
Ball screw 25 x 5						
TQ21A1S2C_3_A_	SLZ 90 S	6,500	115	800	1.1	80-4/BMG
TQ21A1S2K_3_A_	SLZ 90 S	13,000	38	900	0.75	RF17DRS80S2/BE
TQ21A1S2X_3_A_	SLZ 90 S	14,000	13	900	0.37	RF17DRS71S4/BE
TQ21A1S2R_3_A_	SLZ 90 S	14,000	21	900	0.55	RF17DRS71M2/BE
TQ21A1S2E_3_A_	SLZ 90 S	14,000	52	900	1.1	RF17DRS80M2/BE
Ball screw 25 x 10						
TQ21A1S2B_4_A_	SLZ 90 S	3,500	233	800	1.5	80-4/BMG
TQ21A1S2E_4_A_	SLZ 90 S	7,000	105	1,300	1.1	RF17DRS80M2/BE
TQ21A1S2M_4_A_	SLZ 90 S	9,000	52	1,200	0.75	RF17DRS80S4/BE
TQ21A1S2S_4_A_	SLZ 90 S	13,000	30	1,000	0.55	RF17DRS71M4/BE
Ball screw 25 x 25						
TQ21A1S2C_5_A_	SLZ 90 S	1,500	583	800	1.1	80-4/BMG
TQ21A1S2F_5_A_	SLZ 90 S	1,800	308	1,000	1.1	RF17DRS80M2/BE
Ball screw 32 x 5						
TQ21A1S2B_6_A_	SLZ 90 S	8,000	116	1,000	1.5	80-4/BMG
TQ21A1S2E_6_A_	SLZ 90 S	12,000	52	1,900	1.1	RF17DRS80M2/BE
TQ21A1S2X_6_A_	SLZ 90 S	18,000	13	1,300	0.37	RF17DRS71S4/BE
TQ21A1S2M_6_A_	SLZ 90 S	18,000	26	1,300	0.75	RF17DRS80S4/BE
Ball screw 32 x 10						
TQ21A1S2B_7_A_	SLZ 90 S	3,500	233	1,000	1.5	80-4/BMG
TQ21A1S2E_7_A_	SLZ 90 S	7,000	105	1,900	1.1	RF17DRS80M2/BE
TQ21A1S2M_7_A_	SLZ 90 S	9,000	52	1,800	0.75	RF17DRS80S4/BE
TQ21A1S2N_7_A_	SLZ 90 S	18,000	27	1,300	0.75	RF17DRS80S4/BE
TQ21A1S2U_7_A_	SLZ 90 S	25,000	17	1,100	0.55	RF17DRS71M4/BE
Ball screw 32 x 40						
TQ21A1S2B_8_A_	SLZ 90 S	1,000	933	900	1.5	80-4/BMG
TQ21A1S2F_8_A_	SLZ 90 S	1,200	494	1,200	1.1	RF17DRS80M2/BE



All diagrams show the terminal box in the R position

- 1 = M1
- 2 = M2
- 3 = M3
- 4 = M4
- 5 = M5
- 6 = M6



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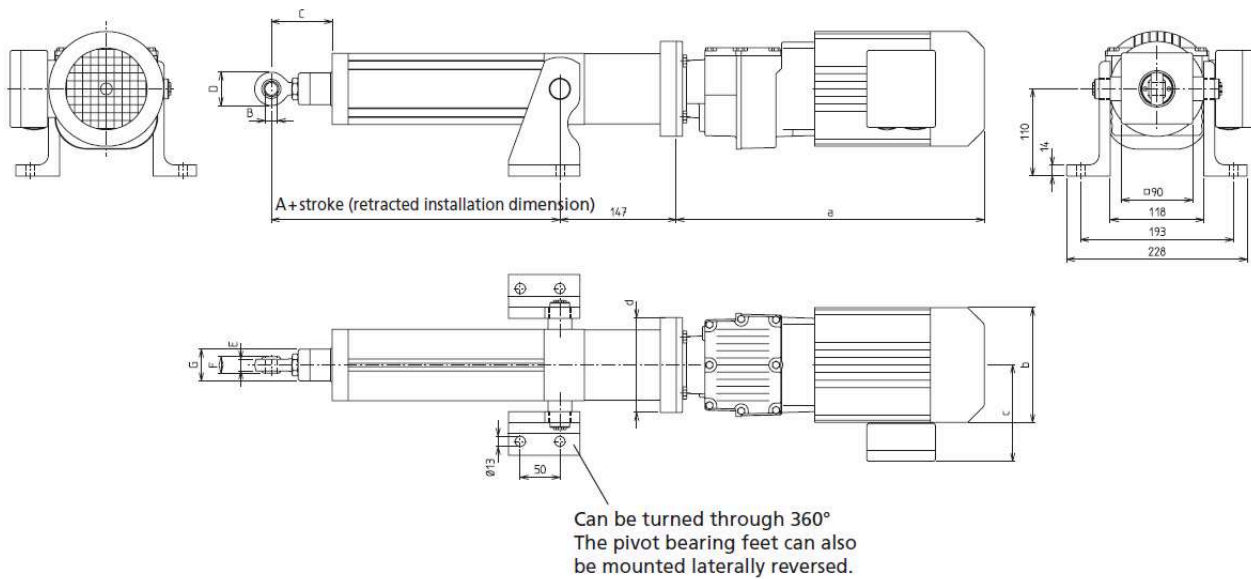
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Ball Screw Version With Pivot Bearing Feet



[mm]

3-phase motors	a	b	c	d	Weight [kg]
RF17DR571/BE	428	Ø 139	129	Ø 120	12
RF17DR580/BE	428	Ø 156	139	Ø 120	14
80-4/BMG	306	Ø 156	131	Ø 120	13

Type	A	B	C	D	E	F	G	Weight [kg]	
								Basic length (dimension A)	Additional weight/100 mm
KG 25 x 5, 25 x 10, 25 x 25	265	Ø 16	78	42	15	21	Ø 40	11.6	1.5
KG 32 x 5, 32 x 10, 32 x 40	294	Ø 20	86	50	18	25	Ø 50	12.8	1.9

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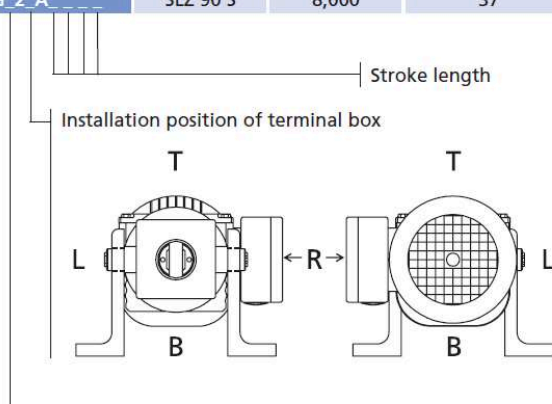


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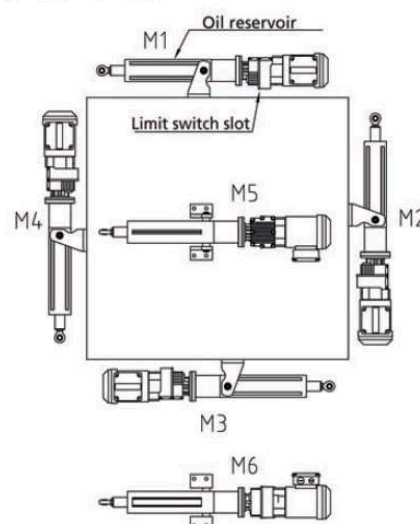
Acme Screw Version

Code No.	Type	Max. force F [N]	Max. speed [mm/s]	Max. stroke [mm]	Output [kW]	Motor selection
ACME screw 26 x 5						without motor brake
TQ21A1S2T_1_A_ _ _ _	SLZ 90 S	12,000	13	1,000	0.55	RF17DRS71M4
TQ21A1S2Y_1_A_ _ _ _	SLZ 90 S	14,000	8	1,000	0.37	RF17DRS71S4
						with motor brake
TQ21A1S2E_1_A_ _ _ _	SLZ 90 S	6,000	52	1,300	1.1	RF17DRS80M2/BE
TQ21A1S2L_1_A_ _ _ _	SLZ 90 S	8,000	30	1,200	0.75	RF17DRS80S4/BE
ACME screw 36 x 6						without motor brake
TQ21A1S2H_2_A_ _ _ _	SLZ 90 S	18,000	18	1,400	1.1	RF17DRS80M2
TQ21A1S2P_2_A_ _ _ _	SLZ 90 S	25,000	10	1,100	0.75	RF17DRS80S4
						with motor brake
TQ21A1S2E_2_A_ _ _ _	SLZ 90 S	5,000	63	2,000	1.1	RF17DRS80M2/BE
TQ21A1S2G_2_A_ _ _ _	SLZ 90 S	8,000	37	2,000	1.1	RF17DRS80M2/BE



All diagrams show the terminal box in the R position

- 1 = M1 4 = M4
2 = M2 5 = M5
3 = M3 6 = M6



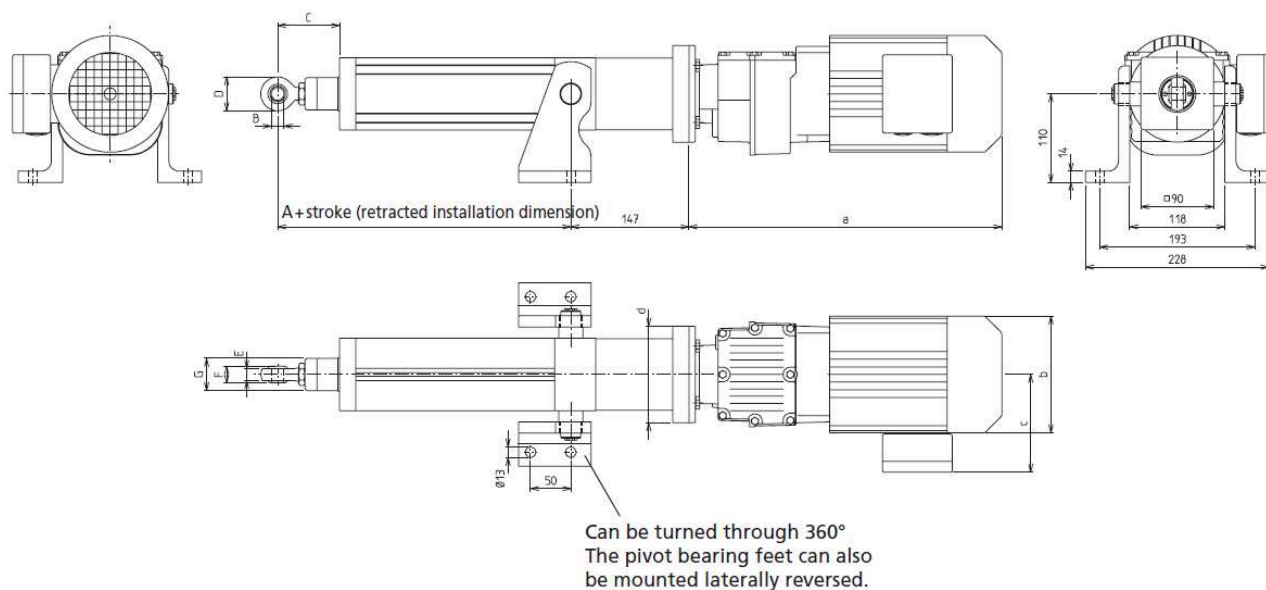
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Acme Screw Version With Pivot Bearing Feet



[mm]

3-phase motors	a	b	c	d	Weight [kg]
RF17DRS71	360	Ø 139	119	Ø 120	11
RF17DRS71/BE	428		129		14
RF17DRS80	360	Ø 156	128	Ø 120	9
RF17DRS80/BE	428		139		12

Type	A	B	C	D	E	F	G	Weight [kg]	
								Basic length (dimension A)	Additional weight/100 mm
Tr 26 x 5	215	Ø 16	94	42	15	21	Ø 40	10.8	1.5
Tr 36 x 6	245	Ø 20	113	50	18	25	Ø 50	12.0	2.0

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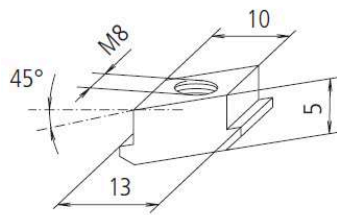
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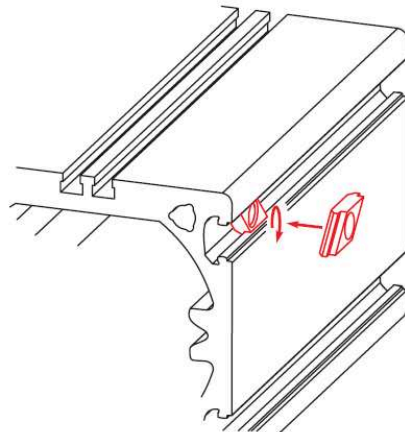
Accessories

Slot stone -R-

- Slot stones facilitate the fitting of attachments to the cylinder.
- To this end, they can be swivelled into the slot from above (Type -R-).



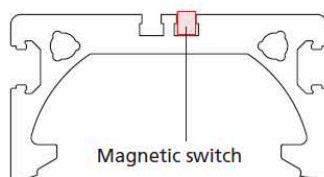
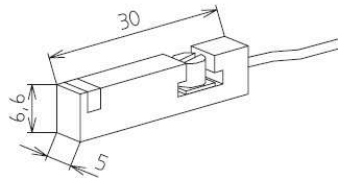
Type -R-



Code No.	Type	F [N]
4006223	Slot stone -R- M8	4,000

Magnetic switch

- Signals from the magnetic switch can be collected and evaluated by a customer-provided control unit (such as a PLC).
- The switch can be retrofitted in the lateral slot (protected by a cover profile as standard)



Magnetic switch



Code No.	Type
qzd050193	Magnetic switch, NO contact, cable length 6 m
qzd050334	Magnetic switch, NC contact, cable length 5.3 m

Magnetic switch – Technical data

	NC contact	NO contact
Voltage	10-30 V DC	5-30 V DC
Current consumption	< 10 mA	< 10 mA
Output current	Max. 100 mA	Max. 50 mA
Output type	PNP	PNP
Function indication	LED	LED
Ambient temperature	-25°C to + 85°C	-20°C to + 70°C
Protection class	IP 67	IP 68

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View LZ90P Electric Actuator Online Visit:
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Contact

Our specialist team are always ready to listen and help, please drop us an email or call to talk with the team.

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