



SLZ90P Electric Actuator

Used for very heavy duty applications the SLZ90P electric actuator comes in either ball screw or ACME thread versions.



SLZ90P Heavy Duty Linear Actuator

Description

- Up to 25KN dynamic load versions available
- Ball screws (Ø25 or 32mm) or
- ACME thread screws (Ø26 or 36mm)
- 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



Terms of use - Product details subject to change without notice



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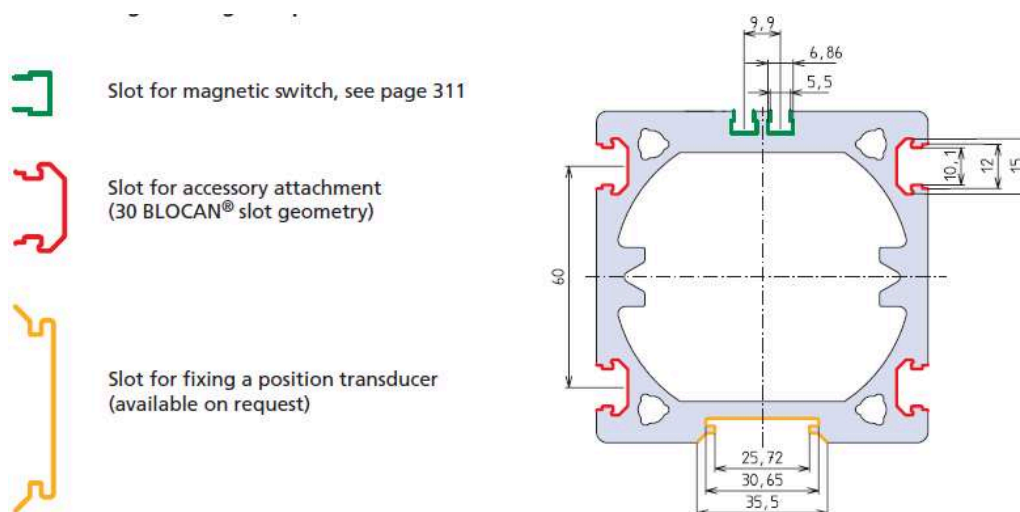
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Specification

Type	Ball screw spindle Ø25 or 32mm	ACME spindle Ø26 or 36mm
Screw lead pitch	5 / 10 / 20mm	5 / 6mm
Load Capacity maximum	25,000 N	25,000 N
Travel Length maximum	1900 mm	2000 mm
Speed maximum	933mm/s	63 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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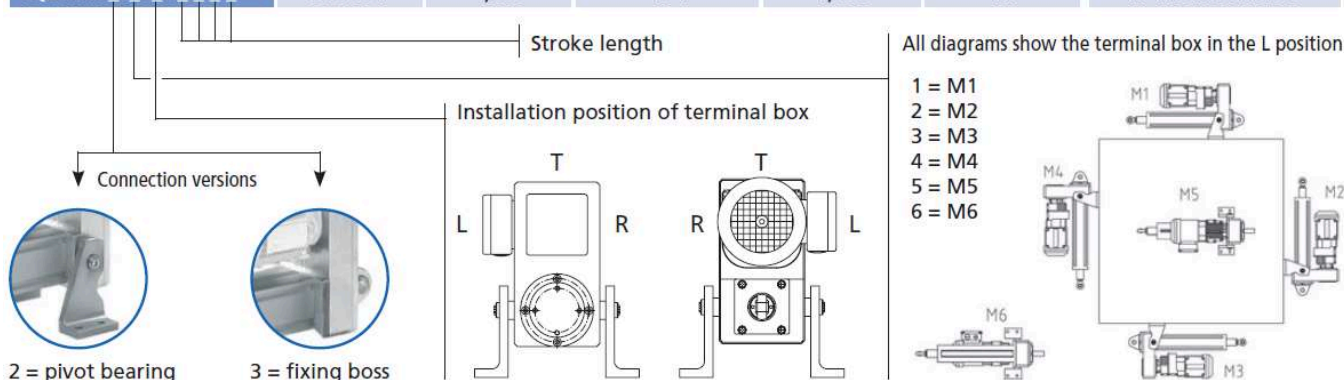


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Ball Screw Version

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						
TQ21A1P_C_3_A_	SLZ 90 P	6,500	115	800	1.1	80-4/BMG
TQ21A1P_K_3_A_	SLZ 90 P	13,000	38	900	0.75	RF17DRS80S2/BE
TQ21A1P_X_3_A_	SLZ 90 P	14,000	13	900	0.37	RF17DRS71S4/BE
TQ21A1P_R_3_A_	SLZ 90 P	14,000	21	900	0.55	RF17DRS71M2/BE
TQ21A1P_E_3_A_	SLZ 90 P	14,000	52	900	1.1	RF17DRS80M2/BE
Ball screw 25 x 10						
TQ21A1P_B_4_A_	SLZ 90 P	3,500	233	800	1.5	80-4/BMG
TQ21A1P_E_4_A_	SLZ 90 P	7,000	105	1,300	1.1	RF17DRS80M2/BE
TQ21A1P_M_4_A_	SLZ 90 P	9,000	52	1,200	0.75	RF17DRS80S4/BE
TQ21A1P_S_4_A_	SLZ 90 P	13,000	30	900	0.55	RF17DRS71M4/BE
Ball screw 25 x 25						
TQ21A1P_C_5_A_	SLZ 90 P	1,500	583	800	1.1	80-4/BMG
TQ21A1P_F_5_A_	SLZ 90 P	1,800	308	1,000	1.1	RF17DRS80M2/BE
Ball screw 32 x 5						
TQ21A1P_B_6_A_	SLZ 90 P	8,000	116	800	1.5	80-4/BMG
TQ21A1P_E_6_A_	SLZ 90 P	12,000	52	1,500	1.1	RF17DRS80M2/BE
TQ21A1P_X_6_A_	SLZ 90 P	18,000	13	1,300	0.37	RF17DRS71S4/BE
TQ21A1P_M_6_A_	SLZ 90 P	18,000	26	1,300	0.75	RF17DRS80S4/BE
Ball screw 32 x 10						
TQ21A1P_B_7_A_	SLZ 90 P	3,500	233	1,000	1.5	80-4/BMG
TQ21A1P_E_7_A_	SLZ 90 P	7,000	105	1,900	1.1	RF17DRS80M2/BE
TQ21A1P_M_7_A_	SLZ 90 P	9,000	52	1,800	0.75	RF17DRS80S4/BE
TQ21A1P_N_7_A_	SLZ 90 P	18,000	27	1,300	0.75	RF17DRS80S4/BE
TQ21A1P_U_7_A_	SLZ 90 P	25,000	17	1,100	0.55	RF17DRS71M4/BE
Ball screw 32 x 40						
TQ21A1P_B_8_A_	SLZ 90 P	1,000	933	900	1.5	80-4/BMG
TQ21A1P_F_8_A_	SLZ 90 P	1,200	494	1,200	1.1	RF17DRS80M2/BE



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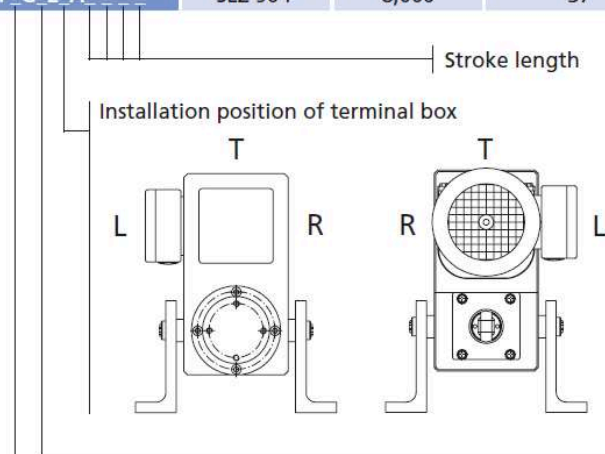


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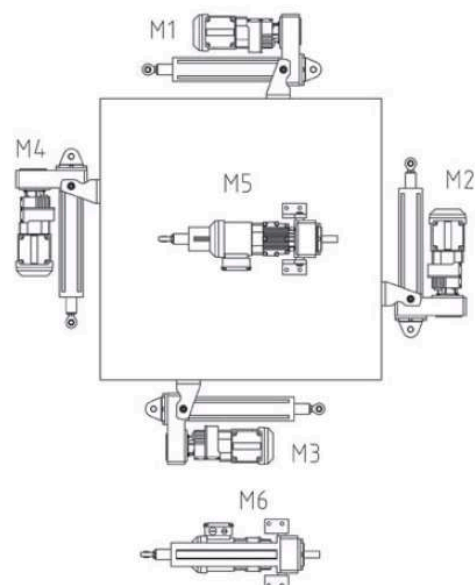
Acme Screw Version

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
TQ21A1P_T_1_A_	SLZ 90 P	12,000	13	1,000	0.55	RF17DRS71M4
TQ21A1P_Y_1_A_	SLZ 90 P	14,000	8	1,000	0.37	RF17DRS71S4
						with motor brake
TQ21A1P_E_1_A_	SLZ 90 P	6,000	52	1,300	1.1	RF17DRS80M2/BE
TQ21A1P_L_1_A_	SLZ 90 P	8,000	30	1,200	0.75	RF17DRS80S4/BE
ACME screw 36 x 6						without motor brake
TQ21A1P_H_2_A_	SLZ 90 P	18,000	18	1,400	1.1	RF17DRS80M2
TQ21A1P_P_2_A_	SLZ 90 P	25,000	10	1,100	0.75	RF17DRS80S4
						with motor brake
TQ21A1P_E_2_A_	SLZ 90 P	5,000	63	2,000	1.1	RF17DRS80M2/BE
TQ21A1P_G_2_A_	SLZ 90 P	8,000	37	2,000	1.1	RF17DRS80M2/BE



All diagrams show the terminal box in the L position

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



Connection versions



2 = pivot bearing



3 = fixing boss

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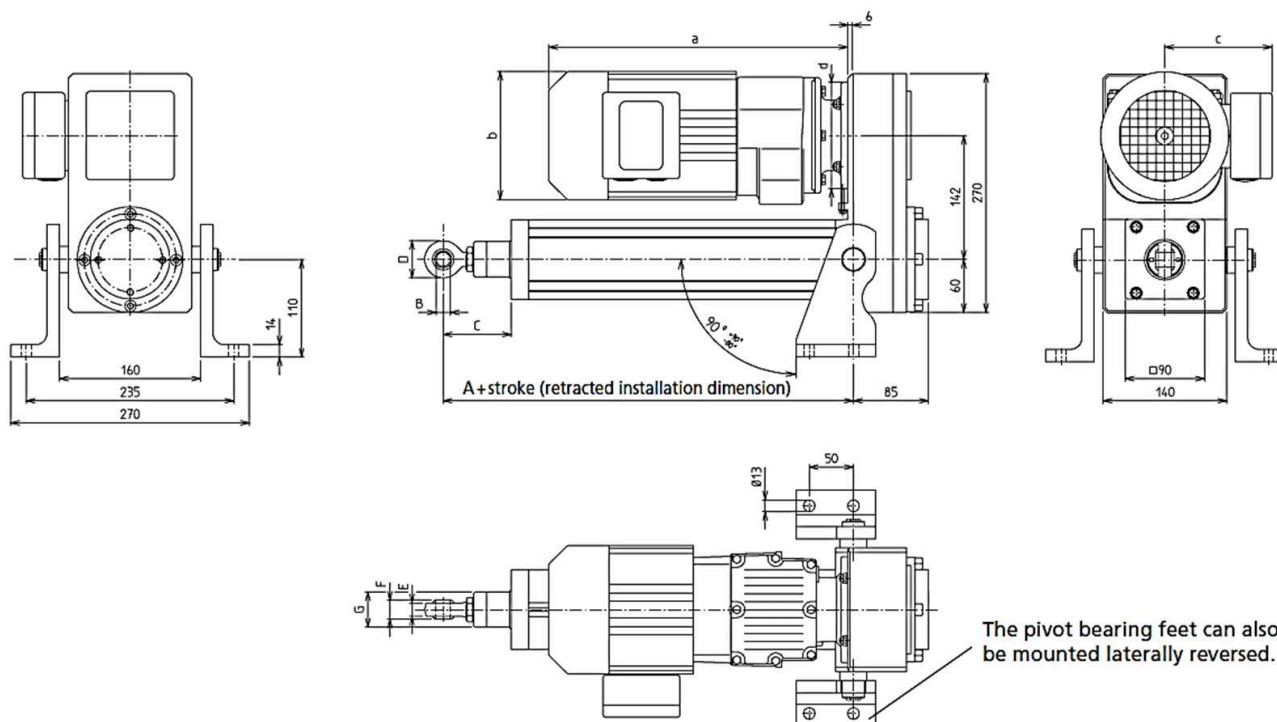
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Version With Pivot Bearing Feet



Ball Screw Version

3-phase motors	a	b	c	d	Weight [kg]
RF17DRS71/BE	428	Ø 139	129	Ø 120	12
RF17DRS80/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	13.0	1.5
KG 32 x 5, 32 x 10, 32 x 40	294	Ø 20	113	50	18	25	Ø 50	13.1	1.9

Acme Screw Version

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

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	12.1	1.5
Tr 36 x 6	245	Ø 20	113	50	18	25	Ø 50	13.1	2.0

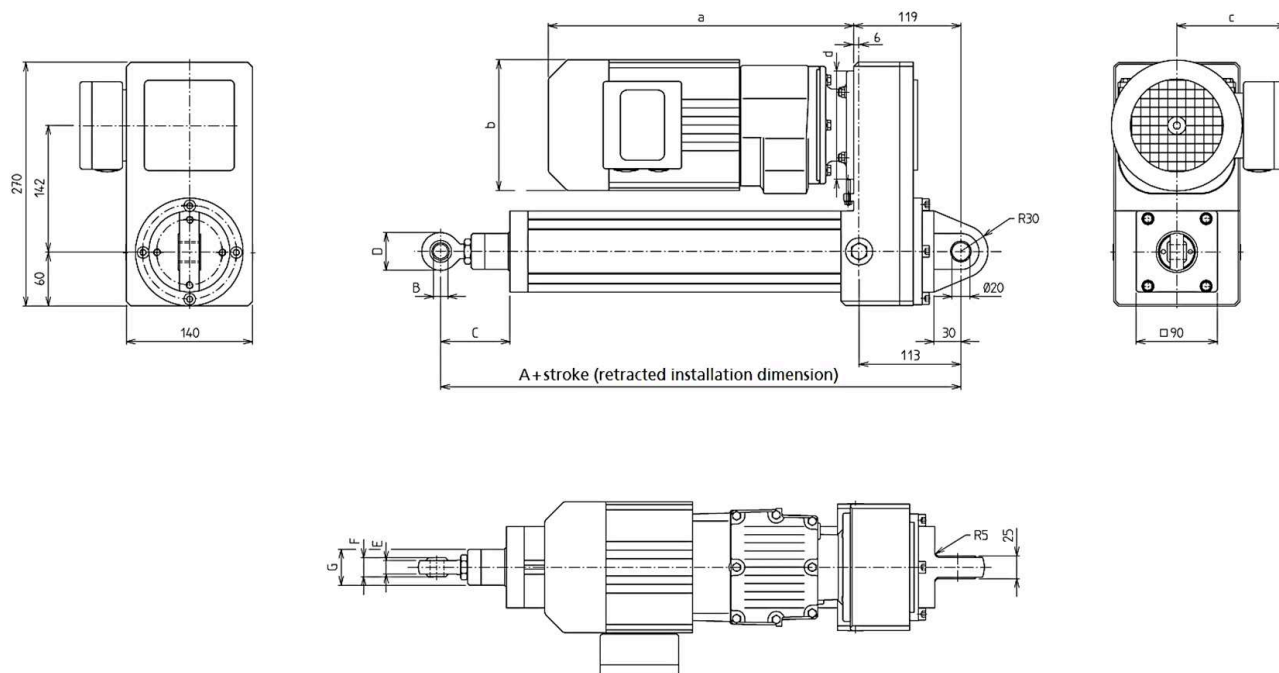
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Version With Rear Mounting



Ball Screw Version

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

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	378	Ø 16	78	42	15	21	Ø 40	11.2	1.5
KG 32 x 5, 32 x 10, 32 x 40	410	Ø 20	86	50	18	25	Ø 50	12.0	1.9

Acme Screw Version

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

Type	A	B	C	D	E	F	G	Weight [kg]	
								Basic length (dimension A)	Additional weight/ 100 mm
Tr 26 x 5	328	Ø 16	94	42	15	21	Ø 40	10.3	1.5
Tr 36 x 6	358	Ø 20	113	50	18	25	Ø 50	11.3	2.0

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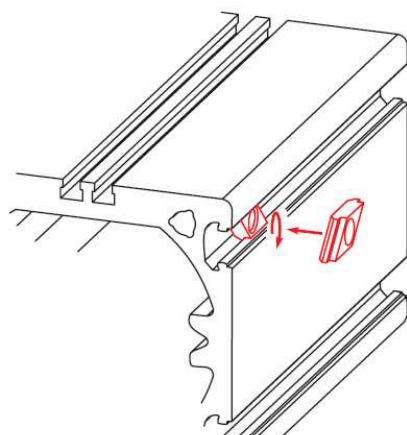
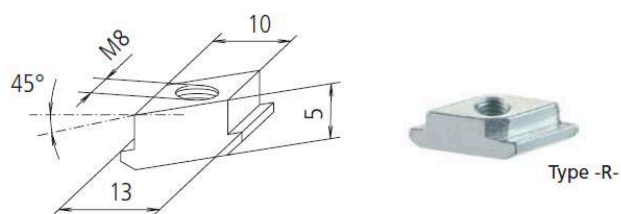
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Accessories

Slot stone -R-

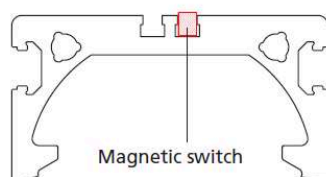
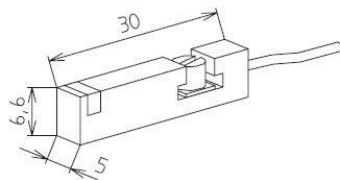
- Slot stones facilitate the fitting of attachments to the cylinder.
- To this end, they can be swivelled into the slot from above (Type -R-).



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)



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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<https://actuatorselectric.com>

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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