



SLZ90W Electric Actuator 100,000N (10,000Kg) UP TO 126MM/Second

Used for very heavy duty applications the SLZ90W electric actuator comes in either ball screw or ACME thread versions.



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Features

- Up to 25KN dynamic load versions available
- With ball screws (Ø25 or 32mm) or ACME thread screws (Ø26 or 36mm)
- Travel speed up to 126mm/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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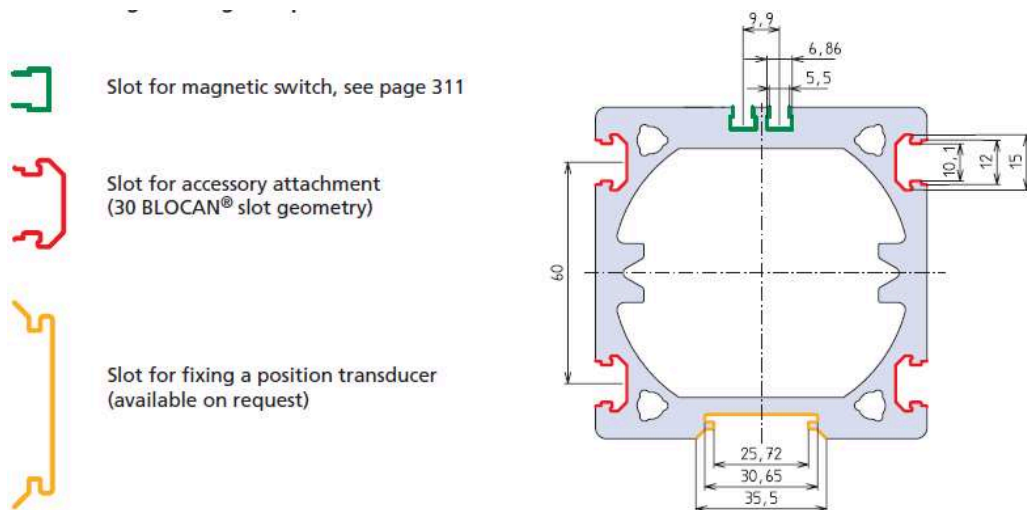
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Website. www.actuatorselectric.com

Specification

Type	Ball screw spindle Ø25 or 32mm	ACME spindle Ø26 or 36mm
Screw lead pitch	5 / 10 / 20mm	5 / 6mm
Load Capacity maximum	25,000 N	14,000 N
Travel Length maximum	2000 mm	1400 mm
Speed maximum	126mm/s	23 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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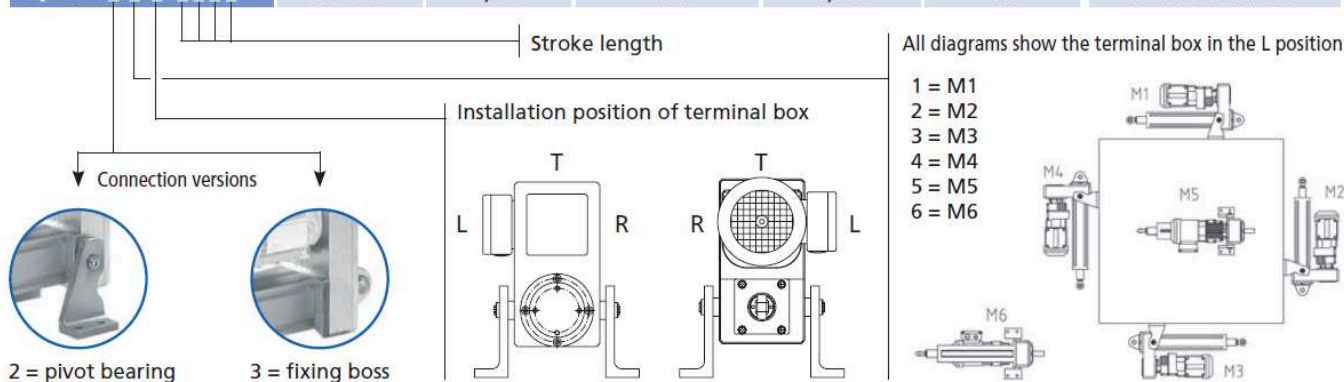


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Ball Screw Version

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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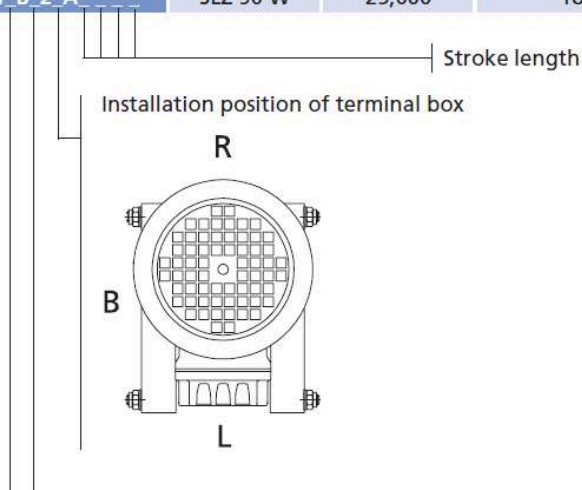


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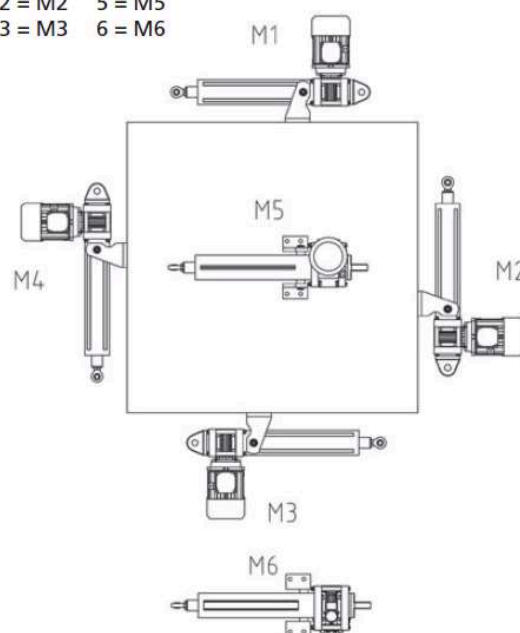
Acme Screw Version

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
TQ21A1W_L_1_A_	SLZ 90 W	5,000	23	1,400	0.37	71-4
TQ21A1W_M_1_A_	SLZ 90 W	7,000	15	1,200	0.37	71-4
TQ21A1W_N_1_A_	SLZ 90 W	9,000	11	1,000	0.37	71-4
TQ21A1W_X_1_A_	SLZ 90 W	11,500	5	900	0.25	63-4
TQ21A1W_T_1_A_	SLZ 90 W	13,000	7	900	0.37	71-4
ACME screw 36 x 6						without motor brake
TQ21A1W_V_2_A_	SLZ 90 W	22,000	7	1,300	0.55	71-4
TQ21A1W_J_2_A_	SLZ 90 W	23,000	9	1,200	0.75	80-4
TQ21A1W_E_2_A_	SLZ 90 W	24,000	14	1,200	1.1	80-4
TQ21A1W_B_2_A_	SLZ 90 W	25,000	18	1,200	1.5	90-4



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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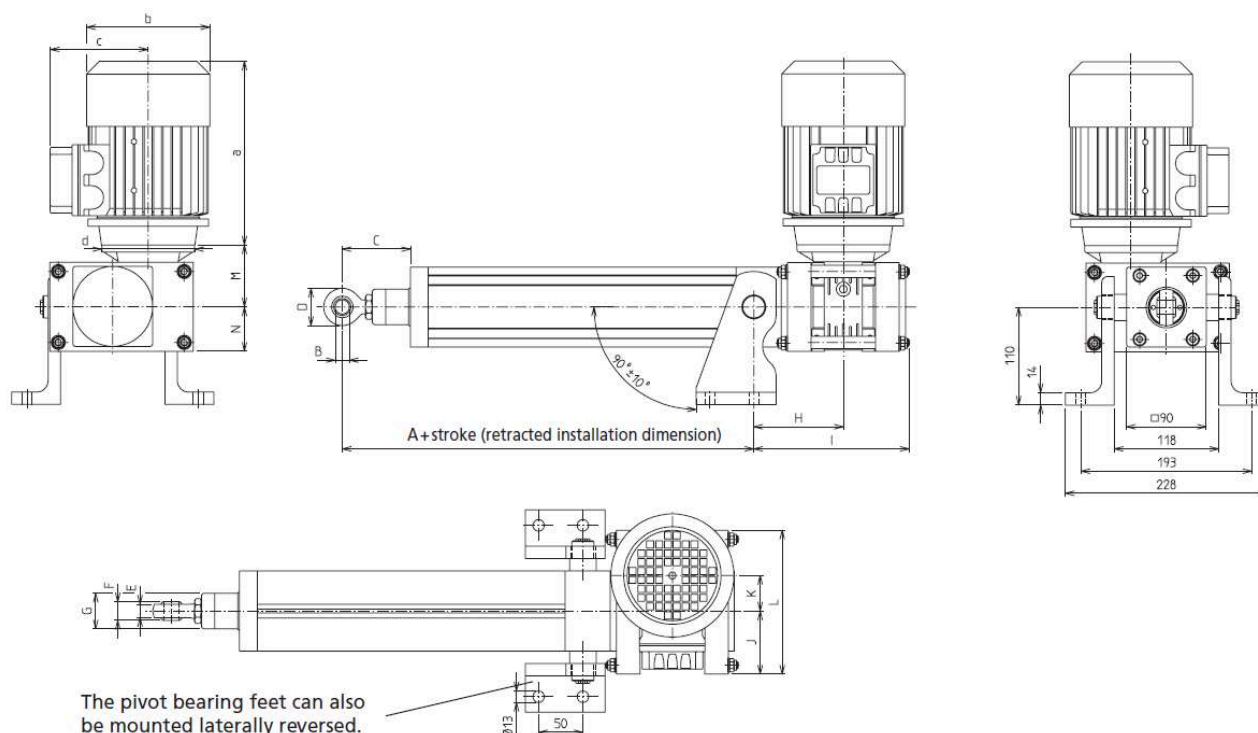
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Version With Pivot Bearing Feet



Ball Screw Version

3-phase motors	a	b	c	d	Weight [kg]
63-4/BMG	246	Ø 124	109	Ø 124	8
71-4/BMG	278	Ø 140	117	Ø 105	10
80-4/BMG	306	Ø 156	131	Ø 120	12

Type	A	B	C	D	E	F	G	H	I	J	K	L	M	N	Weight [kg]	
															Basic length (dimension A)	Additional weight/ 100 mm
KG 25 x 10, 25 x 25	265	Ø 16	78	42	15	21	Ø 40	101.5	176	71	40	162	70	50	14.8	1.5
KG 32 x 10, 32 x 40	294	Ø 20	86	50	18	25	Ø 50	117.5	212	98	63	231.5	109	72	22.5	1.9

Acme Screw Version

3-phase motors	a	b	c	d	Weight [kg]
63-4	189	Ø 124	104	Ø 105	6
71-4	218	Ø 140	109	Ø 105	7
80-4	237	Ø 156	123	Ø 120	10
90-4	279	Ø 178	128	Ø 140	14

Type	A	B	C	D	E	F	G	H	I	J	K	L	M	N	Weight [kg]	
															Basic length (dimension A)	Additional weight/ 100 mm
Tr 26 x 5	215	Ø 16	94	42	15	21	Ø 40	101.5	176	71	40	162	70	50	14.0	1.5
Tr 36 x 6	245	Ø 20	113	50	18	25	Ø 50	117.5	212	98	63	231.5	109	72	21.7	2.0

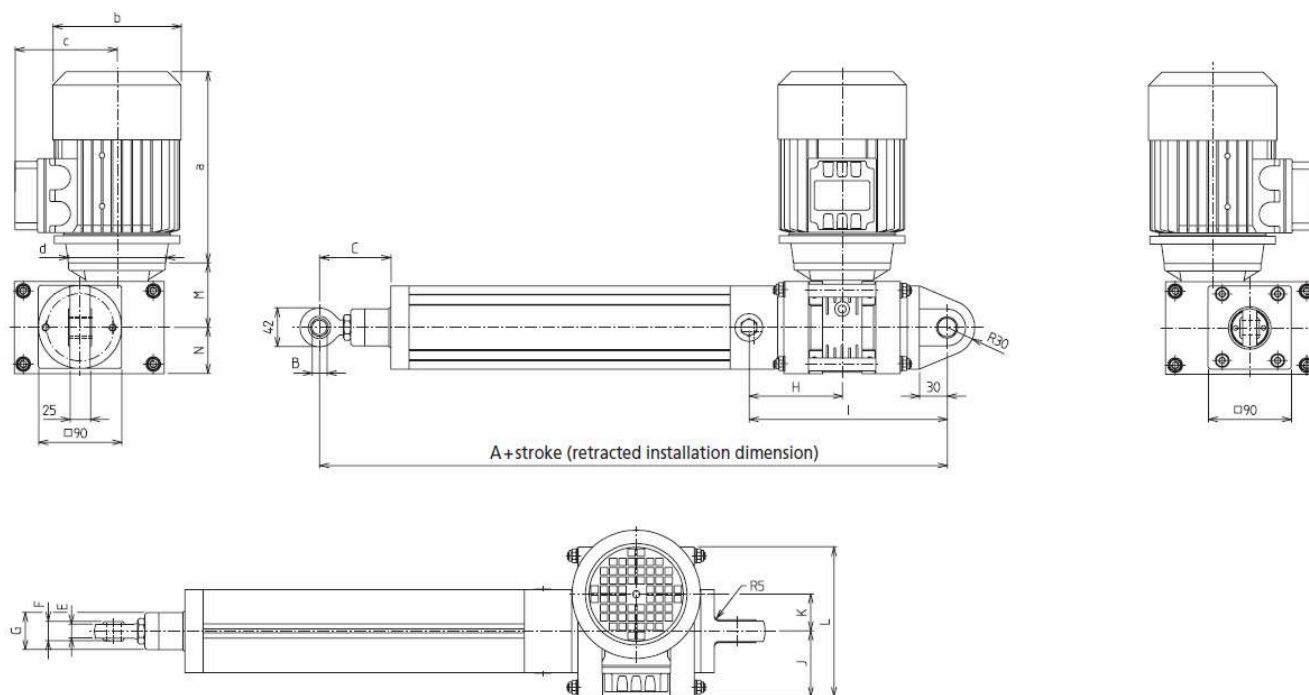
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Version With Rear Mounting



Ball Screw Version

3-phase motors	a		b		c		d		Weight [kg]	
63-4/BMG	246		Ø 121		104		Ø 90		8	
71-4/BMG	273		Ø 139		112		Ø 105		10	
80-4/BMG	304		Ø 158		122		Ø 120		12	

Type	A	B	C	D	E	F	G	H	I	J	K	L	M	N	Weight [kg]	
															Basic length (dimension A)	Additional weight/ 100 mm
KG 25 x 10, 25 x 25	265	Ø 16	78	42	15	21	Ø 40	101.5	176	71	40	162	70	50	14.8	1.5
KG 32 x 10, 32 x 40	294	Ø 20	86	50	18	25	Ø 50	117.5	212	98	63	231.5	109	72	22.5	1.9

Acme Screw Version

3-phase motors	a		b		c		d		Weight [kg]	
63-4	189		Ø 124		104		Ø 105		6	
71-4	218		Ø 140		109		Ø 105		7	
80-4	237		Ø 156		123		Ø 120		10	
90-4	279		Ø 178		128		Ø 140		14	

Type	A	B	C	D	E	F	G	H	I	J	K	L	M	N	Weight [kg]	
															Basic length (dimension A)	Additional weight/ 100 mm
Tr 26 x 5	215	Ø 16	94	42	15	21	Ø 40	101.5	176	71	40	162	70	50	14.0	1.5
Tr 36 x 6	245	Ø 20	113	50	18	25	Ø 50	117.5	212	98	63	231.5	109	72	21.7	2.0

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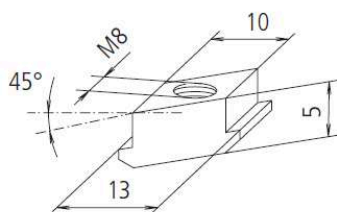
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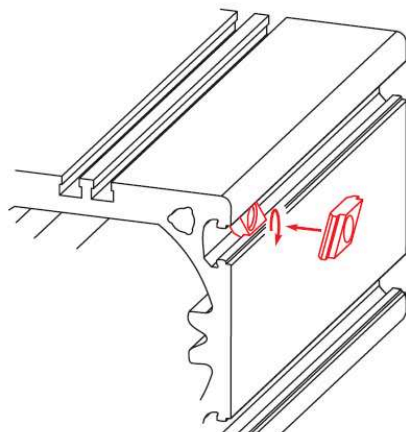
Accessories

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-).



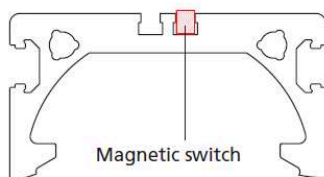
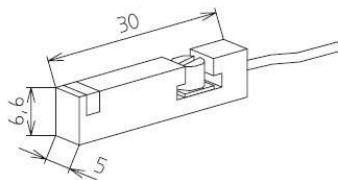
Type -R-



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)



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 SLZ90W Electric Actuator Online Visit:
<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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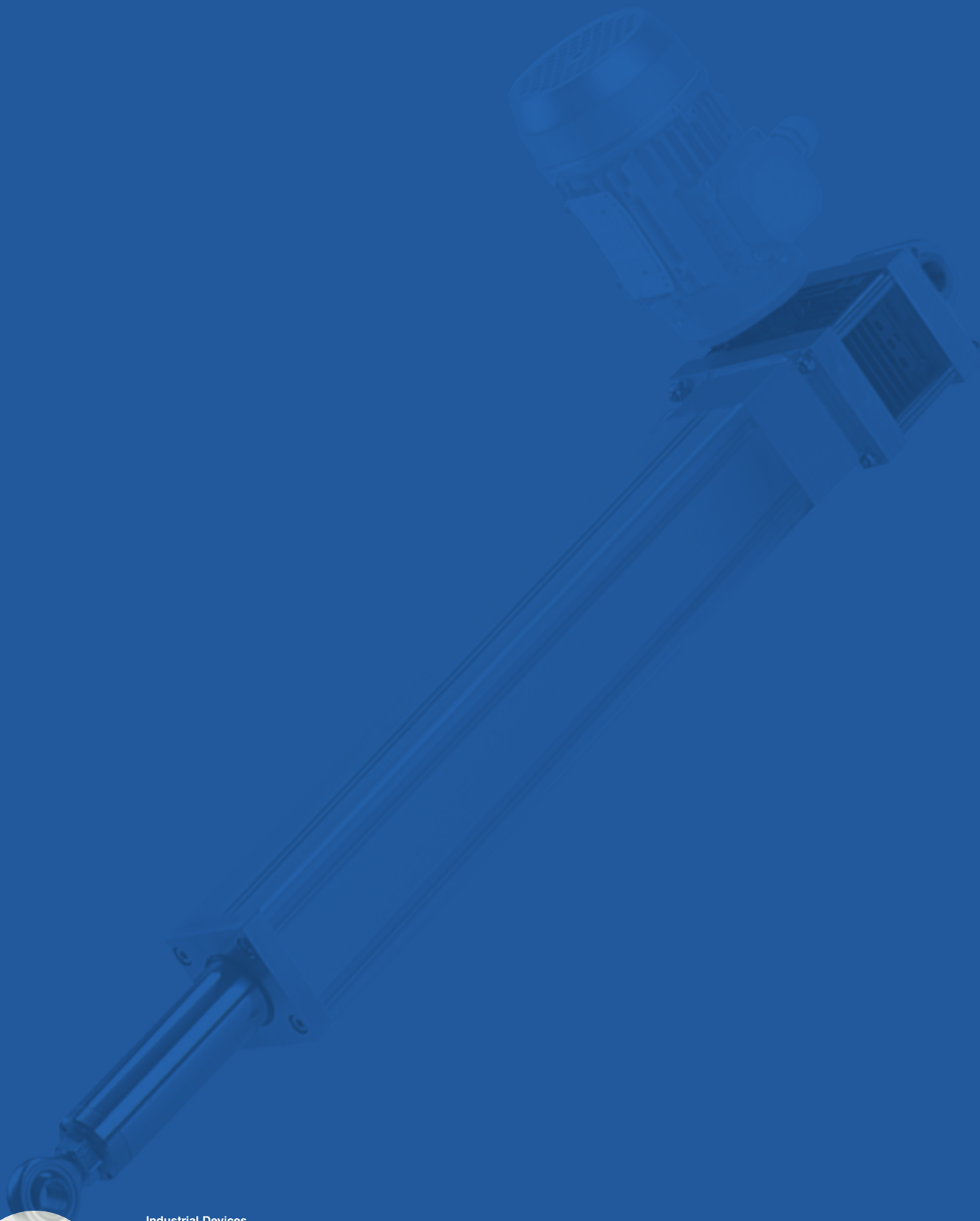
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