

Technical data Linear thrust units with multi-turn actuators for open-close duty	LE 12.1 – LE 200.1 SA 07.1 – SA 16.1
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Type	Stroke max. mm	Thrust ¹⁾		Valve attachment DIN 3358	Valve thread ²⁾	Factor ³⁾	Suitable multi-turn actuator	Output speed rpm	Running speed mm/min	Thrust for stall torque ⁴⁾ max. kN	approx. kg ⁵⁾
		min. kN	max. kN								
LE 12.1	50	4	11.5	F 07 F 10	26 x 5 LH	2.6	SA 07.1	4	20	23	8
	100							5.6	28		9
	200							8	40		10
	400							11	56		13
	500							16	80		14
								22	112		
LE 25.1	50	8	23	F 07 F 10	26 x 5 LH	2.6	SA 07.5	4	20	42	8
	100							5.6	28		9
	200							8	40		10
	400							11	56		13
	500							16	80		14
								22	112		
LE 50.1	63	12.5	37.5	F 10	32 x 6 LH	3.2	SA 10.1	4	24	60	10
	125							5.6	33		12
	250							8	48		15
	400							11	66		18
								16	96		
								22	132		
LE 70.1	80	25	64	F 14	40 x 7 LH	3.9	SA 14.1	4	28	92	23
	160							5.6	39		26
	320							8	56		32
	400							11	77		35
								16	112		
								22	154		
LE 100.1	80	50	128	F 14	40 x 7 LH	3.9	SA 14.5	4	28	180	23
	160							5.6	39		26
	320							8	56		32
	400							11	77		35
								16	112		
								22	154		
LE 200.1	100	87	217	F 16	48 x 8 LH	4.6	SA 16.1	4	32	300	45
	200							5.6	44		50
	400							8	64		62
	500							11	88		68
								16	128		
								22	176		

Base weight	Type	LE 12.1	LE 25.1	LE 50.1	LE 70.1	LE 100.1	LE 200.1
	approx. kg	11			40		

1) For min./max. settings of torque switching at actuator, tolerance ± 20 %
2) LH = version for clockwise closing, i.e. actuator closes the valve in a clockwise rotation (standard).
3) Conversion factor for torque (T in Nm) into thrust (F in kN) for a mean adhesion factor of 0.15 (T = F x f).
4) Thrust for actuator stall torque and 100 % nominal voltage.
5) Weight without actuator and base.

We reserve the right to alter data according to improvements made. Previous documents become invalid with the issue of this document.

General information

AUMA linear thrust units type LE 12.1 – LE 200.1 are used in combination with multi-turn actuators on valves which require linear travel.
The linear thrust units convert the output torque of the multi-turn actuator into an axial thrust.
For other applications, please consult AUMA. 100 % load may only be applied for a short time during opening and closing.

Features and functions

Type of duty	Open-close duty: Short-time duty S2 – 15 min.
Self-locking	Yes
Input speeds	Refer to page 1

Valve attachment

Valve attachment	Dimensions according to DIN 3358 (refer to page 1)
Output drive types	Thread of valve stem (refer to page 1)

Service conditions

Enclosure protection according to EN 60 529	Standard: IP 67
Corrosion protection	Standard: KS Suitable for installation in occasionally or permanently aggressive atmosphere with a moderate pollutant concentration (e.g. in wastewater treatment plants, chemical industry) Option: KX Suitable for installation in extremely aggressive atmosphere with high humidity and high pollutant concentration
Finish coating base	Standard: Two-component iron-mica combination
Colour base	Grey (DB 702, similar to RAL 9007)
Ambient temperature	Standard: – 25 °C to + 80 °C Options: 0 °C to + 120 °C (high temperature) – 40 °C to + 60 °C (low temperature) – 60 °C to + 60 °C (extreme low temperature)

Further information

EU Directives	Machinery Directive: (98/37/EC)
Reference documents	Dimensions LE 12.1 – LE 200.1 with SA Technical data sheet SA 07.1 – SA 48.1 Electrical data sheets SA 07.1 – SA 48.1

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