

Technical data Linear thrust units with multi-turn actuators for open-close duty							LE 12.1 – LE 200.1 SA 07.2 – SA 16.2					
Type	Stroke max. mm	Thrust ¹⁾		Valve attachment DIN 3358	Thread of valve stem 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	F07 F10	26 x 5 LH	2.6	SA 07.2	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	F07 F10	26 x 5 LH	2.6	SA 07.6	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	F10	32 x 6 LH	3.2	SA 10.2	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	F14	40 x 7 LH	3.9	SA 14.2	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	F14	40 x 7 LH	3.9	SA 14.6	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	F16	48 x 8 LH	4.6	SA 16.2	4	32	300	45	
	200							5.6	44		50	
	400							8	64		62	
	500							11	88		68	
								16	128			
								22	176			
	32	256										
	45	360										
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						
<p>1) For min./max. settings of torque switching at actuator, tolerance ± 20 %.</p> <p>2) LH = version for clockwise closing, i.e. actuator closes the valve in a clockwise rotation (standard)</p> <p>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)</p> <p>4) Thrust for actuator stall torque and 100 % nominal voltage</p> <p>5) Weight without actuator and base</p>												
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**LE 12.1 – LE 200.1
SA 07.2 – SA 16.2**

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for open-close duty**

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 60529	Standard: IP 67
Corrosion protection	Standard: KS Suitable for installation in occasionally or permanently aggressive atmosphere with a moderate pollutant concentration (e.g. in waste water treatment plants, chemical industry) Option: KX Suitable for installation in extremely aggressive atmospheres with high humidity and high pollutant concentration
Finish coating base	Standard: Two-component iron-mica combination
Colour base	AUMA silver-grey (similar to RAL 7037)
Ambient temperature	Standard: -25 °C to +80 °C Options: 0 °C to +120 °C -40 °C to +60 °C -60 °C to +60 °C

Further information

EU Directives	Machinery Directive: (2006/42/EC)
Reference documents	Technical data sheet SA 07.2 – SA 16.2 Electrical data sheets SA 07.2 – SA 16.2

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