

<b>Technical data Linear thrust units with multi-turn actuators for modulating duty</b>	<b>LE 12.1 – LE 200.1 SAR 07.2 – SAR 16.2</b>
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Type	Stroke max. mm	Thrust <sup>1)</sup>		Thrust <sup>2)</sup> for modulating torque max. kN	Valve attachment  DIN 3358	Thread of valve stem <sup>3)</sup>	Factor <sup>4)</sup>	Suitable modulating actuator	Output speed  rpm	Running speed  mm/min	Thrust for stall torque <sup>5)</sup>  max. kN	approx. kg <sup>6)</sup>
		min. kN	max. kN									
LE 12.1	50	6	11.5	6	F07 F10	26 x 5 LH	2.6	SAR 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		
	32	160										
	45	225										
LE 25.1	50	12	23	12	F07 F10	26 x 5 LH	2.6	SAR 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		
	32	160										
	45	225										
LE 50.1	63	20	37.5	20	F10	32 x 6 LH	3.2	SAR 10.2	4	24	60	10
	125								5.6	33		12
	250								8	48		15
	400								11	66		18
									16	96		
									22	132		
	32	192										
	45	270										
LE 70.1	80	30	64	30	F14	40 x 7 LH	3.9	SAR 14.2	4	28	92	23
	160								5.6	39		26
	320								8	56		32
	400								11	77		35
									16	112		
									22	154		
	32	224										
	45	315										
LE 100.1	80	64	128	52	F14	40 x 7 LH	3.9	SAR 14.6	4	28	180	23
	160								5.6	39		26
	320								8	56		32
	400								11	77		35
									16	112		
									22	154		
	32	224										
	45	315										
LE 200.1	100	110	217	87	F16	48 x 8 LH	4.6	SAR 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	



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

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	Modulating duty: Intermittent duty S4 – 25 % based on maximum thrust for modulating torque
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 SAR 07.2 – SAR 16.2 Electrical data sheets SAR 07.2 – SAR 16.2

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