

<b>Technical data Linear thrust units with multi-turn actuators for modulating duty</b>	<b>LE 12.1 – LE 200.1 SAR 07.1 – SAR 16.1</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	Stem thread <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	F 07 F 10	26 x 5 LH	2.6	SAR 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	12	23	12	F 07 F 10	26 x 5 LH	2.6	SAR 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	20	37.5	20	F 10	32 x 6 LH	3.2	SAR 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	30	64	30	F 14	40 x 7 LH	3.9	SAR 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	64	128	52	F 14	40 x 7 LH	3.9	SAR 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	110	217	87	F 16	48 x 8 LH	4.6	SAR 16.1	4	32	300	45
	200								5.6	44		50
	400								8	64		62
	500								11	88		68
									16	128		
									22	176		

<b>Base weight</b>	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 seating 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 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 Optionen: 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 SAR Technical data sheet SAR 07.1 – SA R30.1 Electrical data sheets SAR 07.1 – SAR 30.1

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