

**SCHIEBEL**

# cm/ab series

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## Linear Units

up to 350 kN and 500 mm



### Mode of operation

- S2-20min(On/Off) & Class A and B or S4-1200 cycles/h with 40% duty cycle and Class C
- LK-units: up to S9 and Class D

### Self-locking

- L-units: self-locking
- LK-units: non self-locking

### Ambient temperature

- -40°C up to +80°C

### Protection enclosure

- L-units: IP66 according EN 60 529 and IEC529
- LK-units: IP67 according EN 60 529 and IEC529

### Corrosion protection

- K2 (C2) for installation in aggressive atmosphere, C3 up to C5 on request

### Colour

- RAL7024 with CM-series & RAL7030 with AB-series actuator

### Valve connection

- Flange according to ISO 5210

### Technology

- L-units: threaded spindle and spindle nut
- LK-units: ballscrew spindle

### Application

- L-units: standard process control
- LK-units: high-precision process control, control of small strokes with high cycles of operation

## Linear Drives up to 350 kN and 500 mm

### L-units – threaded spindle and spindle nut

Type	Thrust force max. kN	Thrust force min. kN	Modulating force max. kN	Stroke max. mm	Mechanical advantage --	Valve flange ISO 5210	Spindle end work for mounting on valve stem	max. thrust forces in combination with rotary actuator [kN]									Weight approx. kg
								AB3	CM03	AB5	CM06	AB8 CM12	AB18	AB40	AB100	AB200	
L50	15	3,5	7,5	50	2	F10	M16x1,5	15	15	15	--	--	--	--	--	--	7
L75	25	3,5	7,5/ 12,5	75	2	F10	M16x1,5	15	15	15	25	25	--	--	--	--	8
L100				100	2			15	15	15	25	25	--	--	--	--	9
L350 (1)			13	350	2,43		12	--	15	26	25	--	--	--	--	15	
L500 (1)			500	3,62	M24x2,0		8	--	15	17,5	25	--	--	--	--	19	
L200.5 (1)	30	10	20	200	2,44	F10	M16x1,5	12	13	15	15	--	--	--	--	--	15
L200.8 (1)								--	--	--	--	30	--	--	--	--	--
L100.8	45	18	22	100	2,73	F10	M16x1,5	--	--	--	--	45	--	--	--	--	14
L120.18	75	38	39,5	120	3,16	F14 F10	M36x3,0 M20x1,5	--	--	--	--	--	75	--	--	--	28
L220.18 (1)				220	3,16	F14	M36x3,0	--	--	--	--	75	--	--	--	30	
L150.40	100	45	55,5	150	4,45	F14	M36x3,0	--	--	--	--	--	--	100	--	--	39
L300.40 (1)				300	4,45			--	--	--	--	--	100	--	--	43	
L100.100	220	108	108	100	4,61	F16	M42x3,0	--	--	--	--	--	--	--	217	--	110
L200.100				200	4,61			--	--	--	--	--	217	--	120		
L200.200	350	177	177	200	5,64	F25	M48x3,0	--	--	--	--	--	--	--	350	150	

### LK-units – ballscrew spindle

LK50	15	8	7,5 (3)	50	1,06	F10	M20x1,5	--	15	--	--	--	--	--	--	--	12,3
LK100	30	8	15 (3)	100	1,06	F10	M20x1,5	--	30	--	--	--	--	--	--	--	15,0
LK120	60	16	30 (3)	120	1,06	F10	M20x1,5	--	--	--	60	--	--	--	--	--	19,2
						F14	M36x3,0										