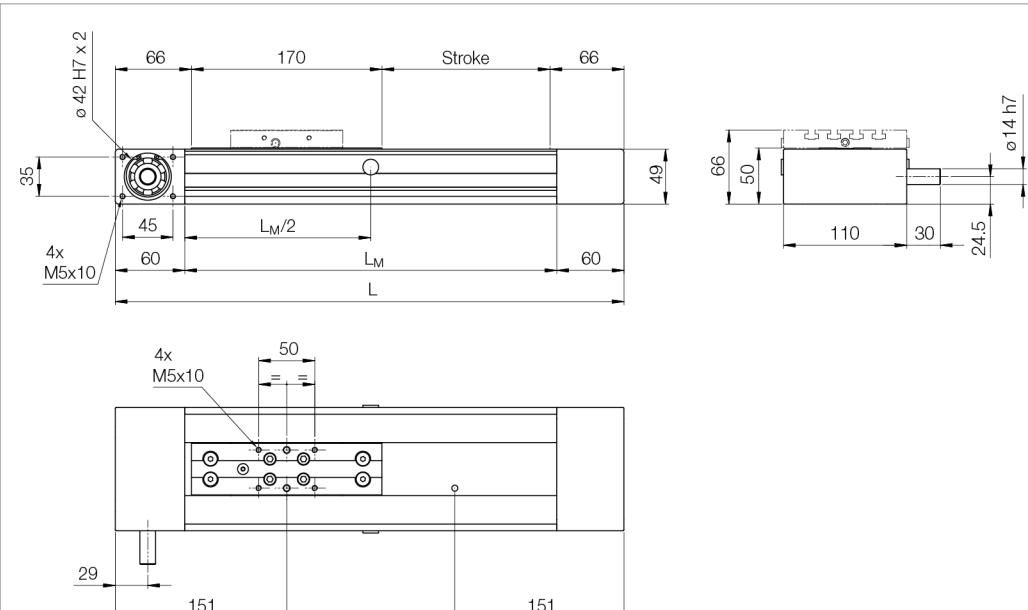


≡ Compact unit KE2.2...Z... XL with 4 runner blocks (long carriage) and toothed belt drive



Nominal size	Dimensions		
Designation	L [mm]	L _M [mm]	Belt length [mm]
KE2.2...Z...	Stroke + 302	L - 120	2 x Stroke + 480

XL Please contact LINE TECH for
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Enquiry (technical/quote)

KE...Z...	Toothed belt drive					Axial load rating F [N]	Positioning accuracy [μ/mm]	Repeating accuracy .../1000 mm [mm]	Acceleration a _{max} [m/s ²]
	Size	Type/Pitch	Toothed pinion d ₃ x l _R [mm]	Stroke/R [mm]	Elongation 2) [mm/m]				
KE2...Z...	HTD5M	38.2 x 54	120	0.084	1)	200/1000 2)	< 0.20 2)	50.0 1)	

d₃ x l_R = Pinion diameter x Pinion width

1) Depends on speed and load

2) Belt elongation/metre [mm/m] per 100 N tensile force

KE...Z...	Travel speed		Area moment of inertia		Stroke 4) max. [mm]	Feed and friction force F _V [N]	Mass transported m _b [kg]
	Guide v _{max} [m/min]	Drive v _{max} [m/min]	I _y [cm ⁴]	I _z [cm ⁴]			
KE2.2...Z...	300	3)	32.7	282.9	XL: 12 500	20	1.29

3) Depends on load, rotation speed, and permissible travel speed of the guides

4) Longer strokes on request

Load ratings		Torques	
Compact unit Type	Maximum permissible forces [kN]	Maximum permissible torques [Nm]	
	static C _{y0,2} dynamic C _{y1,2}	static M _{x0} dynamic M _x	static M _{y0} dynamic M _y
KE2.2...Z...	35 35	18 18	1064 204
			204 590
			226 226

The determination of dynamic load ratings and torques is based on a 50,000 m stroke. If comparative values must be calculated for a 100,000 m stroke, the values for M_x, M_y, M_z and C must be divided by the factor 1.26.

With a view to serviceable life, loads of less than 20% of the dynamic load ratings have generally proved to be expedient.

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