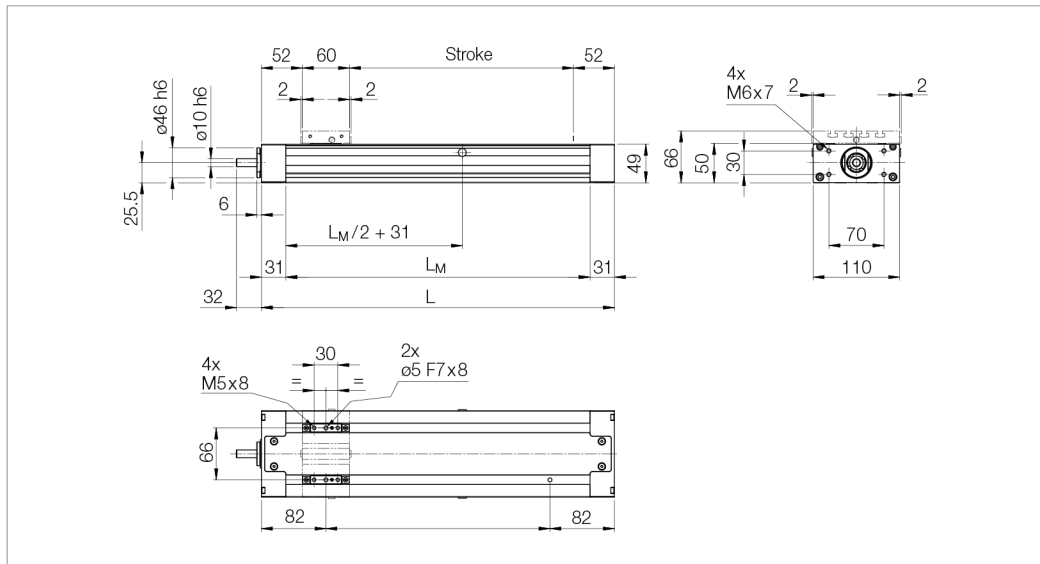


Compact unit KE2.2...R... with 1 carriage and ball screw drive



Nominal size	Dimensions				Weight [kg]
	L [mm]	L_M [mm]	Length ball screw [mm]	Length protective ribbon [mm]	
KE2.2...R...N	Stroke + 164	L - 62	L + 16	2 x Stroke + 294	1.90 kg + 0.852 kg/100 mm Stroke

KE Size	BSD d x p [mm]	Axial load rates		Positioning accuracy [$\mu\text{m}/\text{mm}$]	Repeating accuracy [mm]	Acceleration a_{max} [m/s^2]	Axial play		Idle torque [Nm]
		C_0 [N]	C_{dyn} [N]				Type	Axial play [mm]	
KE2...R...	16 x 5	4551	4327	52/300	< 0.03 ¹⁾ < 0.01 ¹⁾	10.0	R	< 0.02	0.030
							V	—	0.100
	16 x 10	4551	4327	52/300	< 0.03 ¹⁾ < 0.01 ¹⁾	10.0	R	< 0.02	0.060
							V	—	0.200
	16 x 16	4551	4327	52/300	< 0.03 ¹⁾ < 0.01 ¹⁾	10.0	R	< 0.02	0.120
							V	—	0.320

d x p = screw diameter x thread pitch

¹⁾ backlash not factored in

²⁾ also available with 23 μm / 300 mm

V = preloaded

KE...R... Type	Movement speed		Moments of inertia		Stroke max. [mm]	Protective ribbons	Feed and friction force F_V [N]	Moved mass m_b [kg]
	Guide v_{max} [m/s]	Drive v_{max} [m/s]	I_y [cm^4]	I_z [cm^4]				
KE2.2...R...	5.0	²⁾	29.4	242.5	1375	without with	10.00 15.00	0.790

²⁾ for ball screw drive, dependent on rotational speed characteristics, spindle length and relevant critical rotational speed.

Compact unit Type	Maximum permissible load [kN]				Maximum permissible torque [Nm]					
	static		dynamic		static		dynamic			
	$C_{y_{0,1,2}}$	$C_{z_{0,1,2}}$	$C_{y_{1,2}}$	$C_{z_{1,2}}$	M_{x_0}	M_{y_0}	M_{z_0}	M_x	M_y	M_z
KE2.2...R...	35.0	35.0	18.0	18.0	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.

CAD data

Enquiry (technical/quote)

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