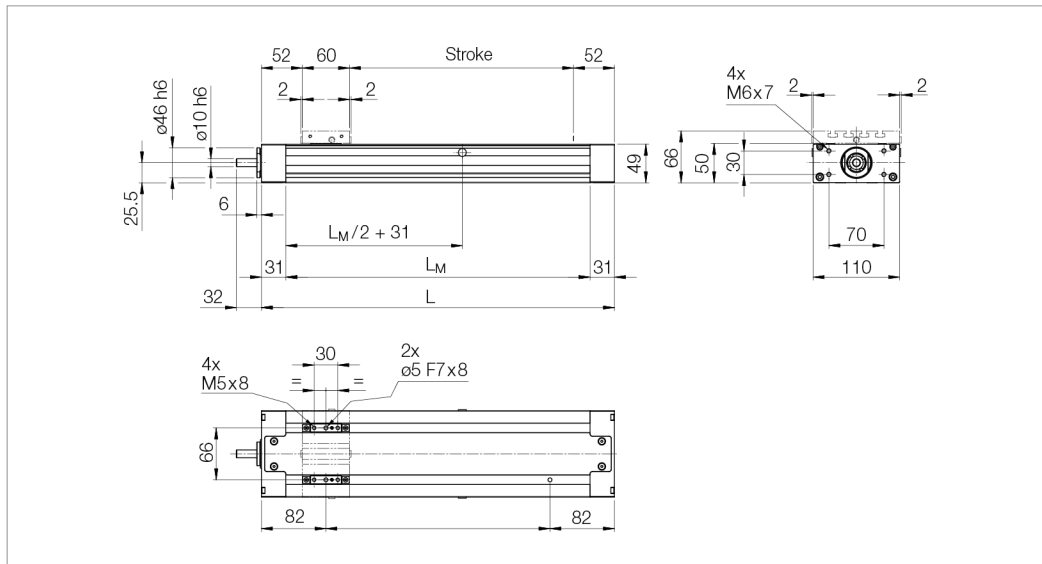


# Compact unit KE2.2...R... with 1 carriage and ball screw drive



Nominal size	Dimensions				
	Designation	L [mm]	L <sub>M</sub> [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 [µm/mm]	Repeating accuracy [mm]	Acceleration a <sub>max</sub> [m/s <sup>2</sup> ]	Axial play		Idle torque [Nm]
		C <sub>0</sub> [N]	C <sub>dyn</sub> [N]				Type	Axial play [mm]	
KE2...R...	16 x 5	4551	4327	52/300	< 0.03 <sup>1)</sup>	10.0	R	< 0.02	0.030
							V	—	0.100
	16 x 10	4551	4327	52/300	< 0.03 <sup>1)</sup>	10.0	R	< 0.02	0.060
							V	—	0.200
	16 x 16	4551	4327	52/300	< 0.03 <sup>1)</sup>	10.0	R	< 0.02	0.120
							V	—	0.320

d x p = screw diameter x thread pitch

<sup>1)</sup> backlash not factored in

<sup>2)</sup> 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 <sub>V</sub> [N]	Moved mass m <sub>b</sub> [kg]
	Guide v <sub>max</sub> [m/s]	Drive v <sub>max</sub> [m/s]	I <sub>y</sub> [cm <sup>4</sup> ]	I <sub>z</sub> [cm <sup>4</sup> ]				
KE2.2...R...	5.0	<sup>2)</sup>	29.4	242.5	1375	without with	10.00 15.00	0.790

<sup>2)</sup> 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 <sub>y0,1,2</sub>	C <sub>z0,1,2</sub>	C <sub>y1,2</sub>	C <sub>z1,2</sub>	M <sub>x0</sub>	M <sub>y0</sub>	M <sub>z0</sub>	M <sub>x</sub>	M <sub>y</sub>	M <sub>z</sub>
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<sub>x</sub>, M<sub>y</sub>, M<sub>z</sub> 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)

Download data sheet (PDF)

Download catalogue (PDF)