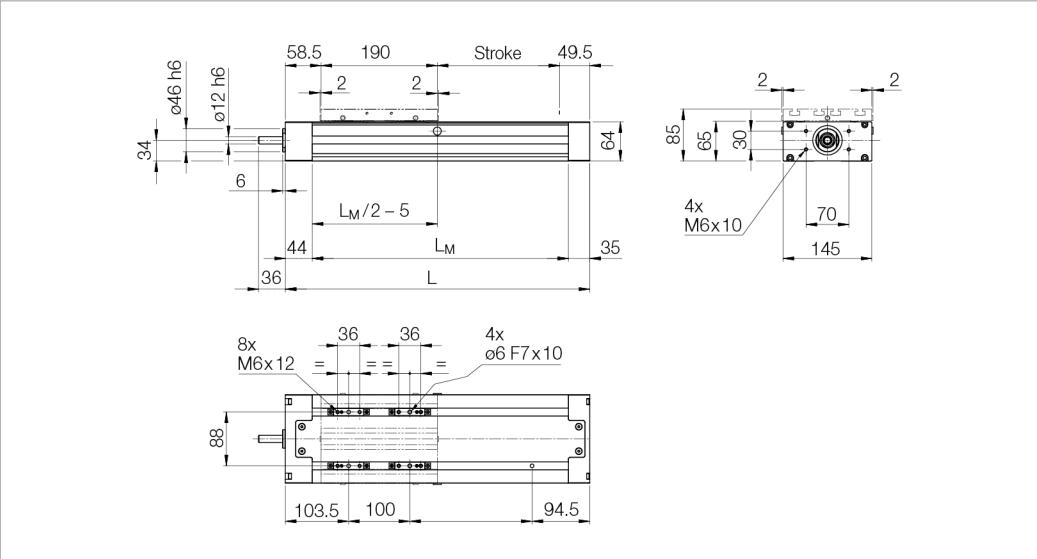


Compact unit KE3.4...R... with 2 carriages and ball screw drive



Nominal size	Dimensions				
Designation	L [mm]	L_M [mm]	Length ball screw [mm]	Length protective ribbon [mm]	Weight [kg]
KE3.4...R...	Stroke + 298	L - 79	L + 17	2 x Stroke + 454	7.62 kg + 1.232 kg/100 mm Stroke

KE Size	BSD d x p [mm]	Axial load rates		Positioning accuracy [$\mu\text{m}/\text{mm}$]	Repeating accuracy [mm]	a_{\max} [m/s^2]	Acceleration		Axial play		Idle torque [Nm]
		C_0 [N]	C_{dyn} [N]				Type	Axial play [mm]			
KE3.4...R...	20 x 5	5705	4912	52/300	< 0.03 ¹⁾ < 0.01 ¹⁾	10.0	R	< 0.02	0.050		
	20 x 10	5705	4912	52/300	< 0.03 ¹⁾ < 0.01 ¹⁾	10.0	V	—	0.120		
	20 x 20	5705	4912	52/300	< 0.03 ¹⁾ < 0.01 ¹⁾	10.0	R	< 0.02	0.100		
							V	—	0.250		
							R	< 0.02	0.200		
							V	—	0.400		

d x p = screw diameter x thread pitch

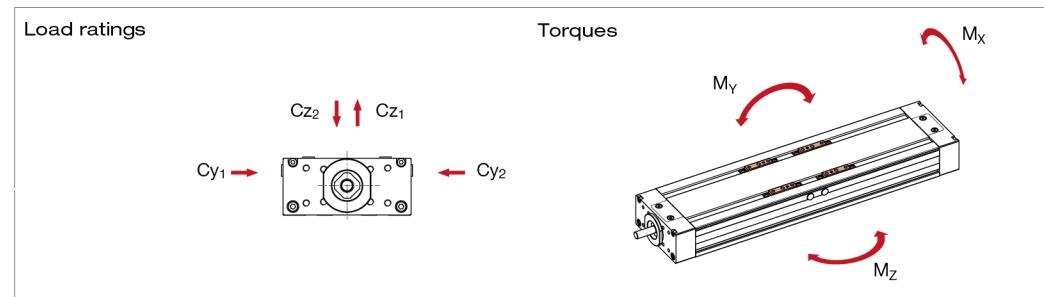
¹⁾ backlash not factored in

²⁾ also available with 23 μm / 300 mm

V = preloaded

KE...R...	Movement speed		Moments of inertia		Stroke max.	Protective ribbons	Feed and friction force	Moved mass
	Guide v_{\max} [m/s]	Drive v_{\max} [m/s]	I_y [cm ⁴]	I_z [cm ⁴]				
KE3.4...R...	5.0	²⁾	93.3	746.0	1750	without with	20.00 25.00	2.470

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 $C_{y_{0,1,2}}$	dynamic $C_{z_{0,1,2}}$	static $C_{y_{1,2}}$	dynamic $C_{z_{1,2}}$	static M_{x_0}	dynamic M_{y_0}	static M_{z_0}	dynamic M_x		
KE3.4...R...	119.9	119.9	68.4	68.4	4854	2100	2100	3014	2044	2044

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)

Download data sheet (PDF)

Download catalogue (PDF)