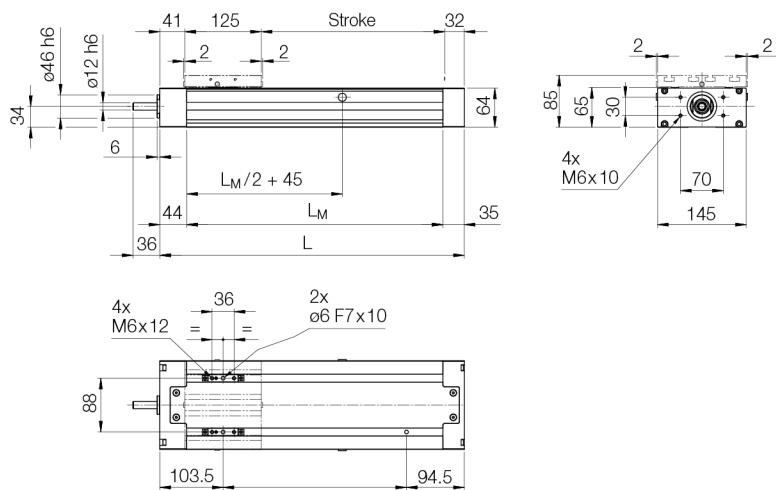


Compact unit KE3.2...R... with 1 carriage and ball screw drive



Nominal size	Dimensions				
Designation	L [mm]	L _M [mm]	Length ball screw [mm]	Length protective ribbon [mm]	Weight [kg]
KE3.2...R...	Stroke + 198	L – 79	L + 17	2 x Stroke + 354	5.40 kg + 1.232 kg/100 mm Stroke

KE	BSD	Axial load rates		Positioning accuracy	Repeating accuracy	Acceleration	Axial play		Idle torque
Size	d x p [mm]	C ₀ [N]	C _{dyn} [N]	[μm/mm]	[mm]	a _{max} [m/s ²]	Type	Axial play [mm]	[Nm]
KE3...R...	20 x 5	5705	4912	52/300	< 0.03 ¹⁾	10.0	R	< 0.02	0.050
					< 0.01 ¹⁾		V	—	0.120
	20 x 10	5705	4912	52/300	< 0.03 ¹⁾	10.0	R	< 0.02	0.100
					< 0.01 ¹⁾		V	—	0.250
	20 x 20	5705	4912	52/300	< 0.03 ¹⁾	10.0	R	< 0.02	0.200
					< 0.01 ¹⁾		V	—	0.400

$d \times p$ = screw diameter x thread pitch

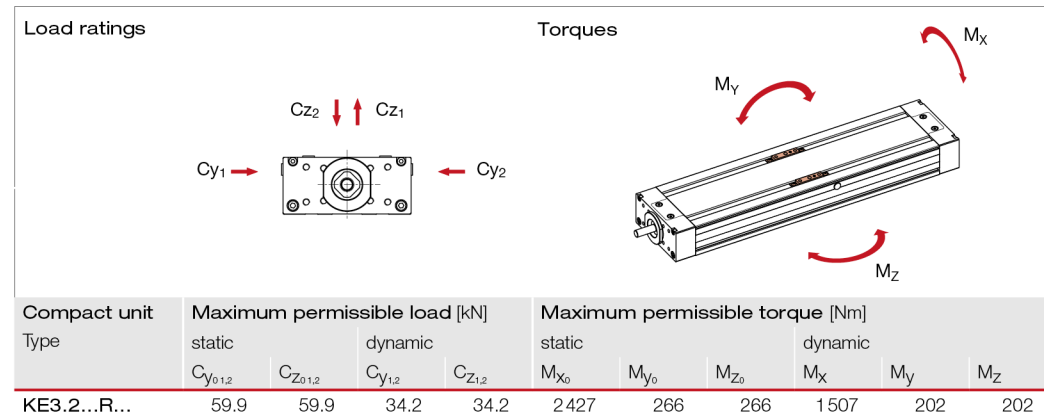
¹⁾ backlash not factored in

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
Type	Guide $v_{\max}$ [m/s]	Drive $v_{\max}$ [m/s]	I_y [cm ⁴]	I_z [cm ⁴]	[mm]		F_v [N]	m_b [kg]
KE3.2...R...	5.0	2)	93.3	746.0	1850	without	15.00	
						with	20.00	1.460

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



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_v , M_s , M_e 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 \(PDF\)](#)