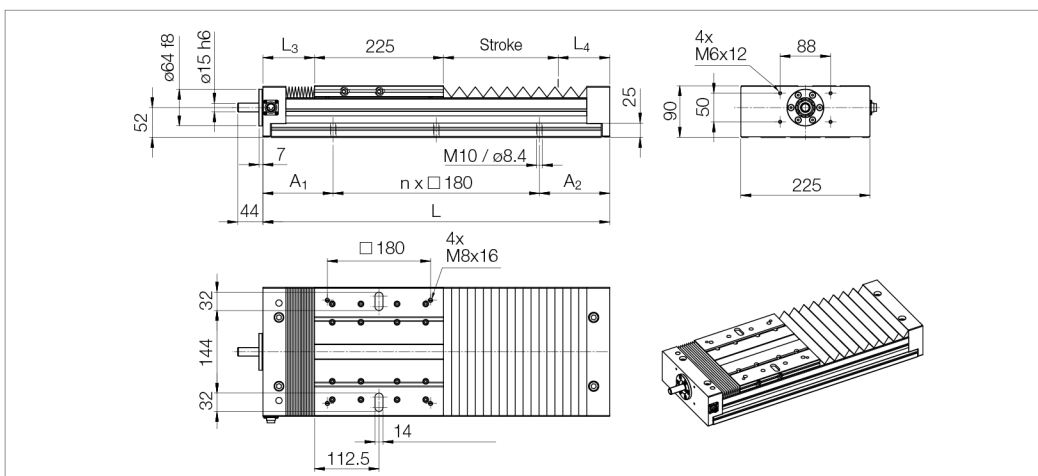


Positioning unit PE3...R... with ball screw drive



Nominal size		Dimensions							Weight [kg]
Designation	Stroke [mm]	L [mm]	L ₃	L ₄	n	A ₁	A ₂	Ball screw length	
PE3.4...FR...	50	405	65	65	1	112.5	112.5	429	17.5
with expansion bellows	3000	4420	597.5	597.5	23	140	140	3926	111.5
PE3.4...NR...	40	405	70	70	1	112.5	112.5	429	17.5
without protec- tive covering	4055	4420	70	70	23	140	140	4444	111.5

* For intermediate dimensions, see catalogue

PE Size	BSD d x p [mm]	Axial load rates		Positioning accuracy [μm/mm]	Repeating accuracy [mm]	Accelera- tion a _{max} [m/s ²]	Axial play		Idle torque [Nm]
		C ₀ [N]	C _{dyn} [N]				Type	Axial play [mm]	
PE3...R...	25 x 5						V	—	0.150
	25 x 10	7 308	6 140	52/300 ²⁾	< 0.01 ¹⁾	10.0	V	—	0.300
	25 x 25						V	—	0.500

d x p = screw diameter x thread pitch

¹⁾ backlash not factored in

²⁾ also available with 23 μm / 300 mm

V = preloaded

PE Type	Movement speed		Moments of inertia		Stroke max. [mm]	Expansion bellow	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]				
PE3.4...R...	1.6	²⁾	202.8	3940.0	4055	without	15.00	5.470
					3000	with	15.00	

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

Load ratings		Torques					