

OEM Piezomotor Linear Drive

COST-EFFECTIVE FOR AUTOMATION



U-264KSPA

- Travel range 200 mm (optional 100 to 300 mm)
- Integrated linear encoder, 0.6 μm resolution
- Self-locking at rest, requires no current
- Velocity to 150 mm/s

Fast OEM linear drive

Light-weight, cost-effective design made of aluminum or optionally from engineering thermoplastics for series production. With plain bearing guides for integration into guided systems. Integrated linear encoder for reliable position control, repeatable accuracy. Optical reference point switch

PILine® ultrasonic piezomotors

Ceramic direct drive as cost-effective alternative to

motor-spindle combinations or electromagnetic linear motors. Self-locking at rest, thus no heat generation. Excellent start/stop dynamics. Easy integration by coupling the guided load to the moving runner

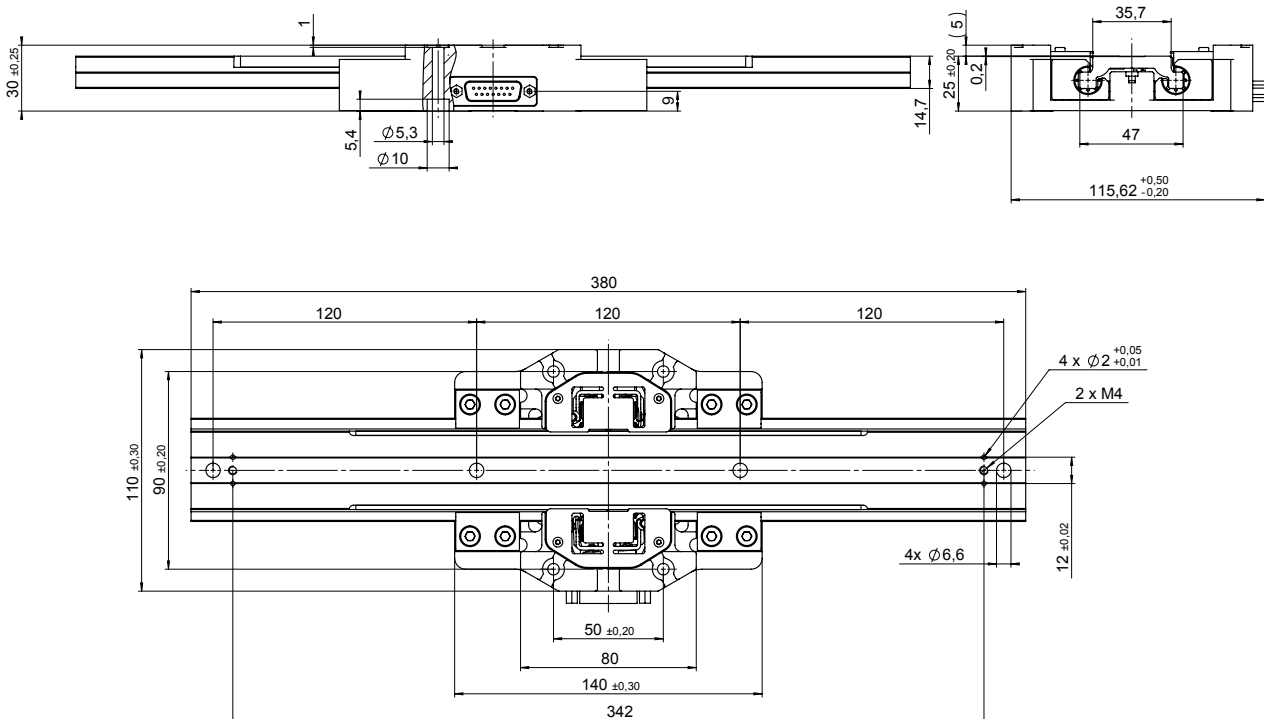
Fields of application

OEM drives in automation. For handling tasks and precision positioning systems, micromanipulation

Preliminary data	U-264KSPA
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Motion and positioning	
Travel range	200
Integrated sensor	Linear encoder
Sensor resolution	0.6 μm
Min. incremental motion	6 μm
Unidirectional repeatability	10 μm
Bidirectional repeatability	10 μm
Velocity (closed-loop)	100 mm/s
Maximum velocity	150 mm/s
Mechanical properties	
Maximum push/pull force	6 N
Holding force	6 N
Lateral force	0, external guiding required
Drive properties	
Motor type	2x PLine® U-164 ultrasonic piezomotors
Current consumption	2 A (max.)
Reference point switch	Optical
Miscellaneous	
Operating temperature range	10 – 40 °C
Material	Aluminum
Mass	1 kg
Cable length	Sub-D 15f to Sub-D 15m cable required as accessory < 2 m without signal amplification < 6 m in auto-resonant operation
Connector	Sub-D 15m

Ask about custom designs!

* Notation



U-264KSPA, dimensions in mm