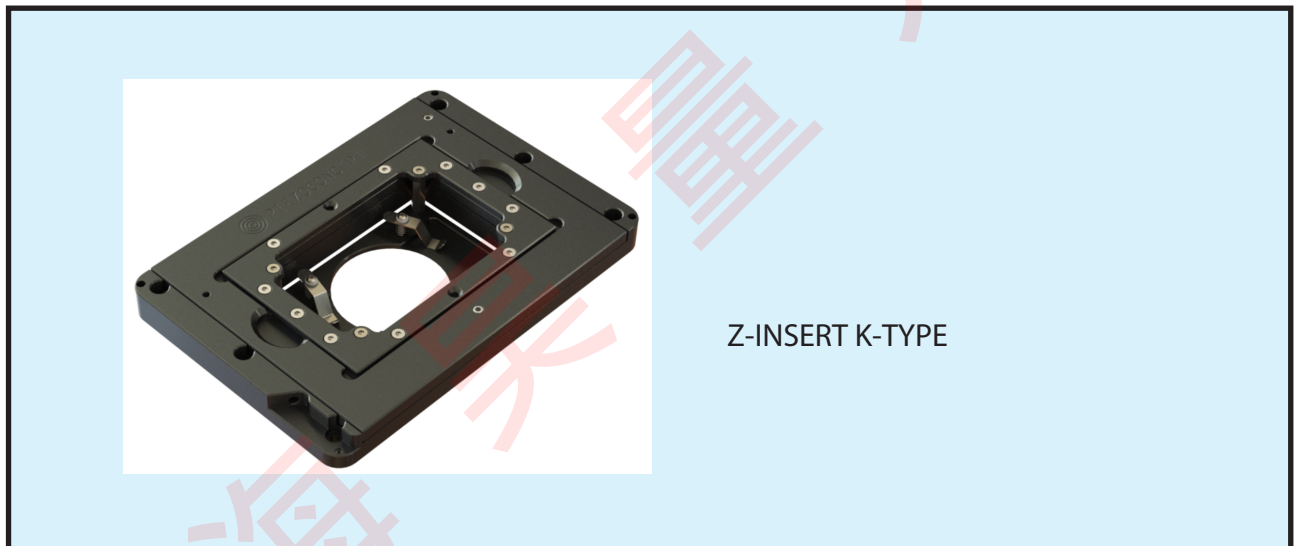


Z-INSERT K-TYPE

The Z-INSERT K-TYPE is the compact version of the Z-INSERT. It has the same length and width as a K-Type sample holder (160mm x 110mm).

It provides a 83,6 mm by 54 mm opening compatible with our rectangular sample holders which allows to change the height position of the sample.

The Z-INSERT K-TYPE is compatible with most inverted and upright stages which have a K-type aperture.



Features

- Travel ranges up to 300 μ m
- Low profile for easy integration
- Closed loop control
- Silicon sensor technology
- Less than 30pm noise floor

Applications

- Z-stack
- Autofocus system
- Confocal microscopy
- Super Resolution microscopy
- Biotechnology

Specifications

	Z-INSERT K-TYPE.100	Z-INSERT K-TYPE.200	Z-INSERT K-TYPE.300	Unit
Range of motion Z	100	200	300	μm
Resolution Z	0,1	0,2	0,3	nm
Typical noise floor Z	0,01	0,02	0,03	nm
Full range repeatability Z	0,2	0,4	0,6	nm
Linearity Z (typical)	0,02%	0,02%	0,02%	
Resonant frequency Z	500	400	350	Hz
Stiffness Z	0,6	0,5	0,4	N/ μm
Maximum Load* :				
- horizontal use		1		kg
- vertical use		0,5		kg
Sensor	Silicon HR sensor			
Size W x L x H	159,75 x 109,7 x 19,1 (height without sample holder)			mm
Material	Al			
Cable length**	2			m
Controller	Standard			

* Higher load on request

** Higher length on request

Drawing

