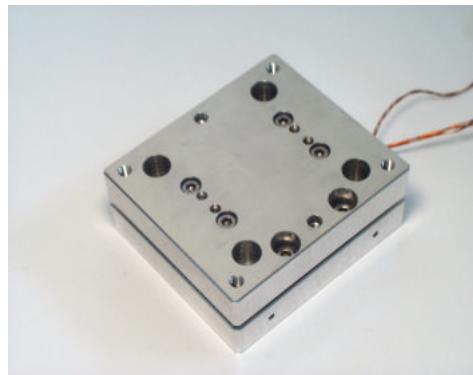


tilting systems **series PSH 0.3/1**

- higher resolution
- integrated measurement system
- appropriate for vacuum applications



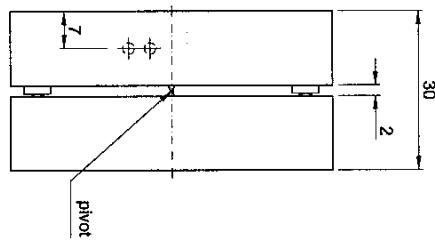
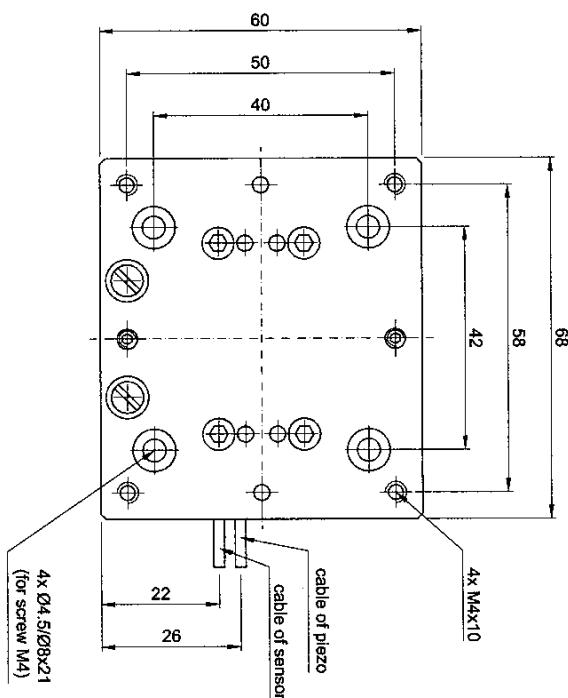
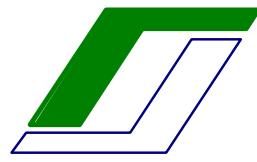
The one-dimensional tilting system PSH 0.3/1 SG was developed for applications which require an extremely high angular resolution.

Two separate piezoelectrical actuators achieve tilting angles of 0.3 mrad and 0.08 mrad.

When operating these systems with a low noise level power supply from piezosystem jena, the partition of the tilting angles results in an extremely high resolution. The complete motion is measured by strain gauges.

series PSH part no.	unit	PSH 0.3/1 SG K-200-03
tilting angles **	mrad	0.3, 0.08
operating voltage	V	-10 to + 150
capacitance***	µF	0.1/0.7
Integrated measurement system	-	strain gauges
resolution	µrad	0.0067 / 0.001
non-linearity	%	0.5 / 0.4
repeatability	µrad	1 / -
dimensions length L	mm	60
width B	mm	68
height H	mm	30

** typical values measured with -10 to +150 V
 *** typical values for small electrical field strength



ORIGINAL	
part-no.	part-name
K-200-03	PSH0,31 SG
date	OK-Sign.
16. JAN. 2001	<i>[Signature]</i>
file name	customers drawing
PK20003	ÄZ 0
	piezosystem jena

piezosystem jena GmbH

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