

## Piezocomposite – stack type actuator series PSt

Series PSt without casing and without preload, diameter 16 mm, 1000 V

### Characteristics:

- max. load: 15000 N
- max. force generation: 12000 N (@ max. voltage)

### Applications:

- shock wave generation
- stabilization
- test and acceleration sensors
- active vibration damping
- fuel injection
- active engine mounting
- as well as all kinds of positioning tasks which require high loads and/or extreme accelerations

### Options:

- piezo material: HP (high power, high capacitance)
- low temperature modification
- UHV modification
- SG measurement system



**Image:** Stack type actuators series PSt with different dimensions

### Standard configuration

		unit		
<b>cable length</b>	without connector	m	0.08	
<b>ceramic</b>		–	HS/HT	HP*
<b>temperature range</b>		°C/°F	to 200/to 390	to 90/to 190

\* optional on request

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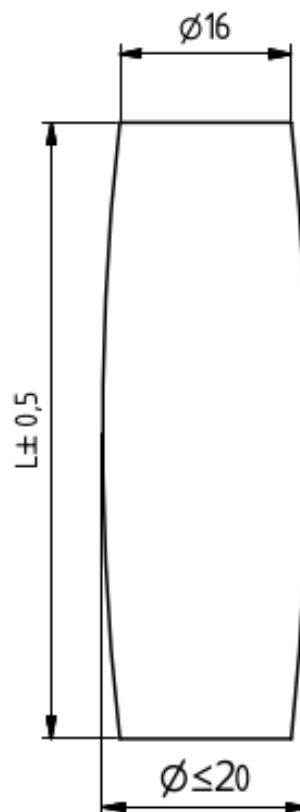
### Series PSt 1000 V, diameter 16 mm

type	max. stroke* [ $\mu\text{m}$ ]	length [mm]	capacitance [nF]	stiffness** [N/ $\mu\text{m}$ ]	resonant frequency [kHz]
PSt 1000/16/7	12/7	9	60	800	60
PSt 1000/16/20	27/20	18	150	400	40
PSt 1000/16/40	55/40	36	360	200	25
PSt 1000/16/60	80/60	54	540	120	20
PSt 1000/16/80	105/80	72	720	90	15
PSt 1000/16/>100	>100	on request			

\* Motion at voltage -200 V to 1000 V/0 V to 1000 V

\*\* Determined with short-circuited actuator respectively connected amplifier.

### Drawing:



Rights reserved to change specifications as progress occurs without notice!