

Piezo Gripper: Grippy 3, 4 & Fiber Gripper

Special Systems

The series of piezo gripper was designed for micro systems handling applications. The accurate and high speed motion of a piezoactuator is transformed by the levered transmission of a solid state hinge joint to a 300 μm opening of the gripper gap.

Because of its compact dimensions, it is well suited for OEM applications.

All kinds of handling and manipulating small parts in research labs or industry are potential application fields for the piezo gripper. The grip force depends on the used spring.

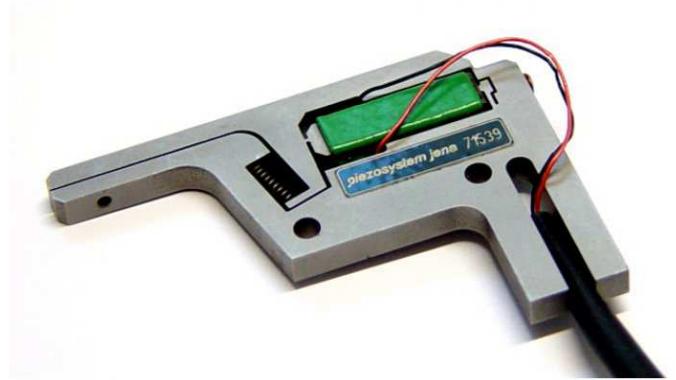


Image: Grippy 3 S-805-00

Product highlights:

- up to 300 μm gap motion
- variable gap shape design
- adjustable grip force
- high speed

Applications:

- micro optics manipulation
- fiber optics assembly
- precision mounting and adjusting
- biological sample manipulation



Image: Fiber Gripper O-400-00

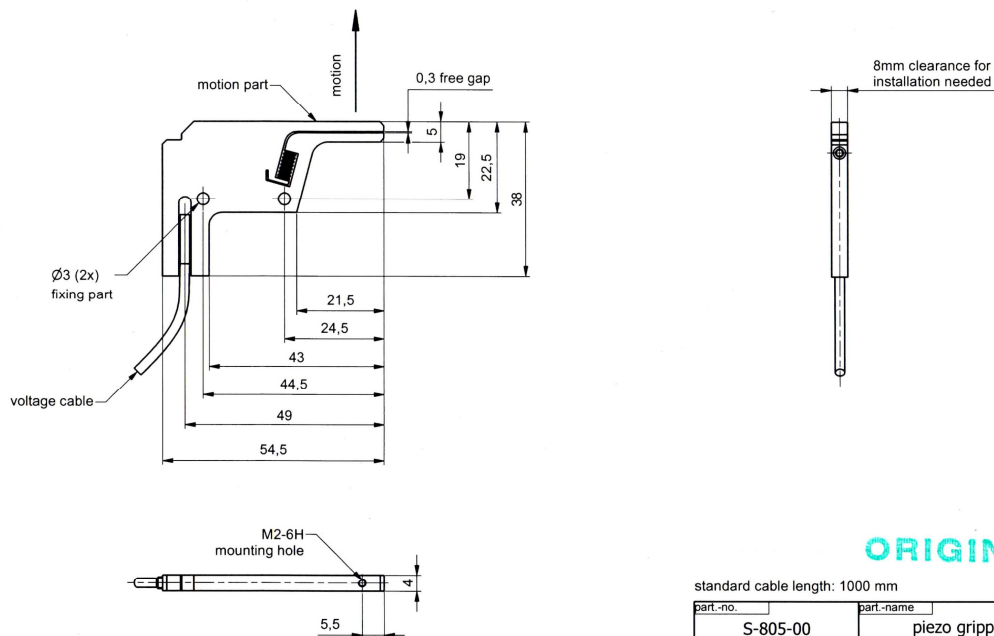
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Technical data:

	unit	Grippy 3	Grippy 3 (with second screw hole)	Grippy 4	Fiber Gripper
part no.	-	S-805-00	S-805-40	S-805-50	O-400-00
free gap	mm	0,3		0,7-1,4	depending on fiber
free gripper motion ($\pm 10\%$)	μm	275		280	300
capacitance ($\pm 20\%$)	μF	1.8		3.6	1.7
dimension (l x w x h)	mm	54.5x38x8		54,5x32x8	58x12x15
voltage range	V			-20 to 130	
temperature range	$^{\circ}\text{C}$			-20 to 80	
weight	g	29		40	23

Rights reserved to change specifications as progress occurs without notice!

Example drawing S-805-00:



ORIGINAL

standard cable length: 1000 mm

part-no.	S-805-00	part-name	piezo gripper
file name	PS80500	rev.01	OK: date/sign. 27. NOV. 2016
scale	1:1	customers drawing piezosystem jena	