Piezoceramic Benders
Typical Characteristic Values

November 2025

HOERBIGER offers a range of standard Piezo bending actuators that are immediately available for testing and prototyping. These units provide a reliable starting point for evaluating performance in your specific application.

Type	1	2	4	6	7	8
Total length [mm]	50.0	49.0	47.4	36.0	32.5	25.0
Free length [mm]	38.0	38.0	38.0	30.0	27.5	18.0
Width [mm]	7.2	2.1	1.5	2.1	1.9	7.2
Thickness [mm]	0.81	0.8	0.8	0.67	0.7	0.48
Total displacement [mm][1)]	2.1	2	2	1.5	1.4	0.07
Blocking force on each side F_b [mN][1),2)]	500	170	120	160	150	110
Capacity per ceramic side C[nF][3)]	45	11	10	11	13.5	35
Driving voltage U [V][4)]	230	230	230	230	230	24

1) Total displacement and blocking force will be determined at U at the specified free length and at room temperature.

2) The deflected actuator will be pressed back to zero position to determine Fb.

3) Capacity will be measured at 1 V / 1 kHz and room temperature.

4) The voltage can be selected to be lower or higher according to the application requirements, whereby lower/higher voltages lead to lower/higher displacement and blocking force.

In addition to our standard portfolio, we specialize in customized Piezo bending actuators tailored precisely to your requirements. Share your application details with us, and we will develop the most optimized solution for your needs. Whether you're looking for a specific force, deflection, or geometry — we'll help bring your idea to life.