

## Product-Specification

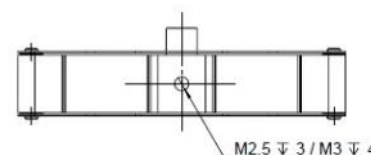
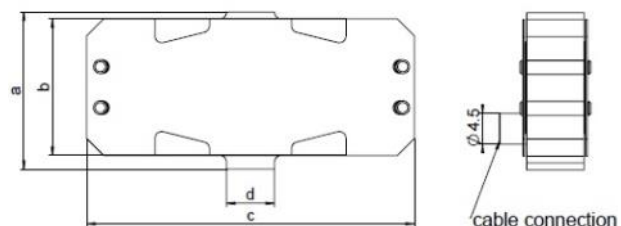
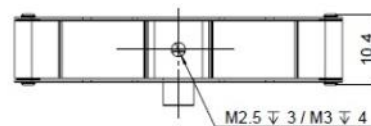
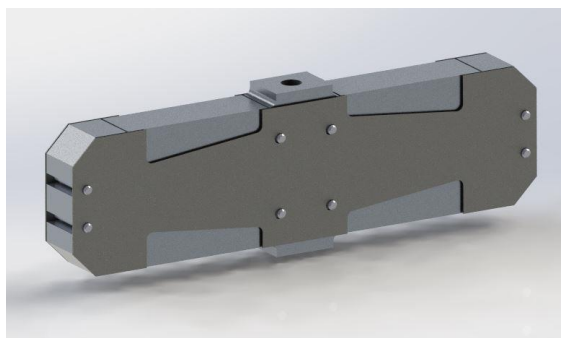
Product	DPa Piezo-Lever					Unit	Tolerance
Product-Number	DPa-b00075	DPa-b00100	DPa-b00250	DPa-b00500	DPa-b01000		
Displacement (0..150 V)	75	100	250	500	1000	µm	±10%
Displacement (-45..180 V)	120	160	400	800	1600	µm	±10%
Resolution, open loop	0.15	0.2	0.3	0.5	1	nm	typ.
Resolution, closed loop	1.5	2	6	12	25	nm	typ.
Linearity, closed loop	0.1		0.2			%	typ.
Repeatability	6	7	10	30	60	nm	typ.
Pull/Push, maximum	200/30		150/10	100/10		N	
Stiffness	4.5	3.2	0.55	0.37	0.15	N/µm	±10%
Resonance, unloaded	1150	1000	550	300	200	Hz	±10%
El. Capacitance @ 1V eff. 1kHz	2.2	3.3	3.3	6.6	9.9	µF	±10%
Body-Material	stainless-steel						
Lenght L	30	48	48	82	112	mm	
Height H	16	23	23	26	26	mm	
Weight	24	45	45	87	120	g	±10%
Oper. Temperature	-20..80					°C	

### Product-Name: DPa-b.....

- a = O for the open-loop version
- a = S for the version with position-sensor
- b = P for pigtails (wires with socket)
- b = L for Lemoso-socket (option for the open-loop version)
- b = D for DSub-socket, 15 pins (option for the version with sensor)

### Options:

- Vacuum-Compatibility
- Suitable driver, open-loop, EBO 050100
- Suitable controller, closed-loop, EBD-060100



	a [mm]	b [mm]	c [mm]	d [mm]	thread for fastening
DPa-b00075	18	16	30	5	2x M2.5x0.4
DPa-b00100	23	20	48	7	2x M2.5x0.4
DPa-b00250	23	20	48	7	2x M2.5x0.4
DPa-b00500	26	22	82	10	2x M3x0.6
DPa-b01000	26	22	112	10	2x M3x0.6