

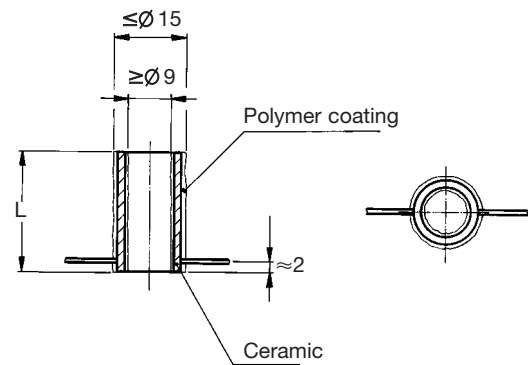
2. Ring Actuators (stack type hollow cylinders)

2.1 Low voltage ring actuators without casing

HPSt 150/14-10/xx



Stroke A/B: A: for -30 V thru +150 V
B: for 0 V thru +150 V
Max. force generation: for -30 V thru +150 V

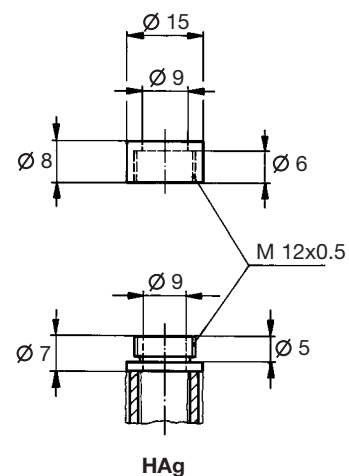


Maximum force generation: 4500 N
Open loop sensitivity for 1 mV amplifier noise for actuator HPSt 150/14-10/12: approx. 0.1 Nanometer

Type	max. stroke μm	length mm	el. capacitance μF	stiffness N/ μm	resonance frequency kHz
HPSt 150/14-10/12	16/12	13.5	2.6	250	45
HPSt 150/14-10/25	32/25	27	5.2	120	22
HPSt 150/14-10/40	50/40	on request			
HPSt 150/14-10/55	70/55	on request			

Options:

Threaded end pieces **HAg**
(together with 1 screw cap)
Optics adaptor 0A 1/2" (see section 3)



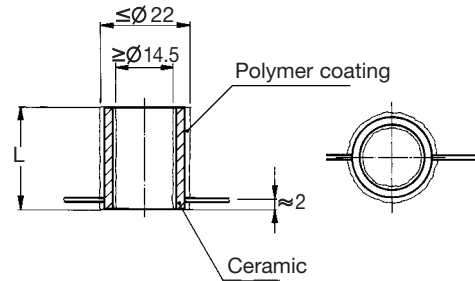


HPSt 150/20-15/xx

Maximum load: 11000 N

Maximum force generation: 8000 N

Open loop sensitivity for 1 mV amplifier noise for actuator HPSt 150/20-15/12: approx. 0.1 Nanometer



Type	max. stroke	length mm	el. capacitance µF	stiffness N/µm	resonance frequency kHz
	µm				
HPSt 150/20-15/12	16/12	13.5	5	450	45
HPSt 150/20-15/25	32/25	27	10	230	22
HPSt 150/20-15/40	50/40	40.5	15	150	15
HPSt 150/20-15/55	70/55	54	20	100	10

Options:

Threaded end pieces **HAg**
(together with 1 screw cap)

Optics adaptor 0A 1 " (see section 3)

Stroke A/B: A: for -30 V thru +150 V
B: for 0 V thru +150 V

Max. force generation: for -30 V thru +150 V

