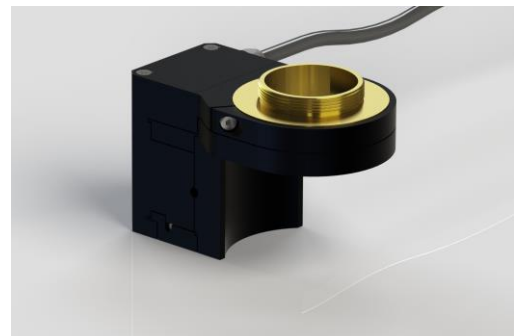
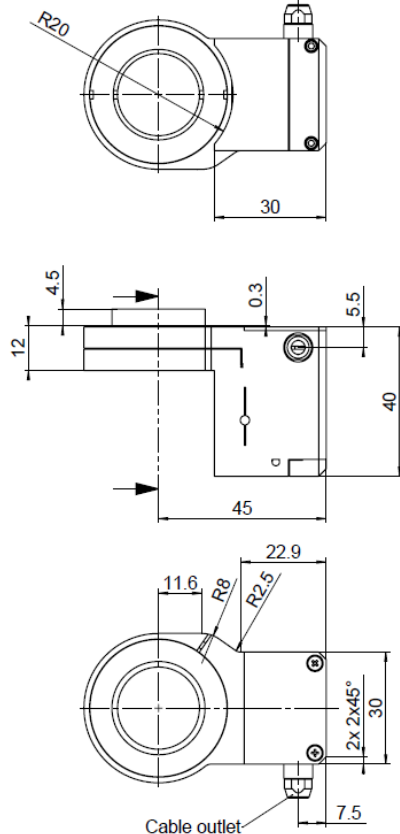


Product-Specification

Product	Objective-Positioner		
Product-Code	SFS-D00150	Unit	Tolerance
Position-Sensor	SGS, Full-Bridge		
Range, Closed Loop	150	µm	±10%
Range, Open Loop (-45..180 V)	180	µm	±10%
Resolution, open loop	1	nm	ca., RMS
Resolution, closed loop	2	nm	ca., RMS
Linearity, closed loop	0.2	%	typ.
Lateral Shift, systematic	200	nm	typ.
Pitch/Yaw	15	µrad	typ.
Repeatability	15	nm	typ.
Push/Pull, maximum	10/20	N	
Lateral Force, maximum	10	N	
Stiffness	0.5	N/µm	±20%
Resonance, with thread-adapter	620	Hz	ca.
Resonance, with 150 g objective	260	Hz	ca.
Elektrical Capacitance @ 1V eff, 1kHz	3.3	µF	±10%
Body-Material	Aluminum/Stainless-Steel		
Operating Temperature	-20..80	°C	

Options:

- Vacuum-Compatibility
- Suitable Driver, open-loop, EBO-050100
- Suitable Controller, closed-loop, EBD-060210



Objective Adapters		
Size	Thread-Size (DIM A)	Diameter (DIM B)
01	M19x0.75	14.0
02	M25x0.75	22.0
03	M26x0.75	23.0
04	M27x0.75	24.0
05	M28x0.75	25.0
06	M32x0.75	29.0
07	M26x1/36"	22.0
08	W0.8x1/36"	14.0
09	W26x1/36"	22.0
10	M34x0.75	31.0
11	M36x0.75	33.0