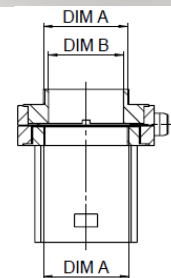
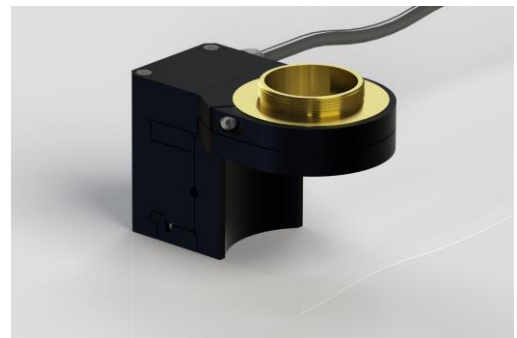
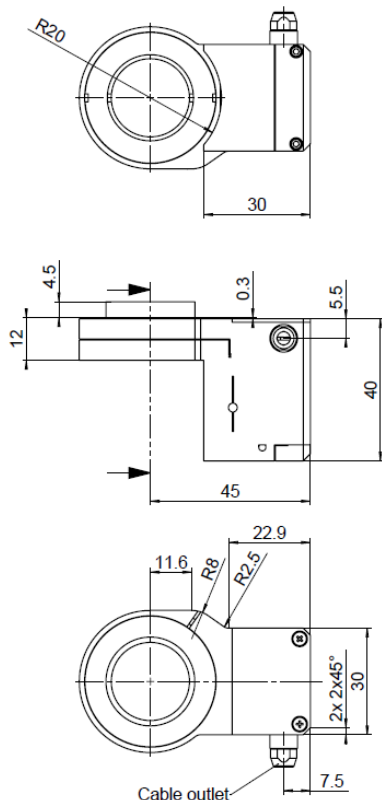


Product-Specification

Product	Objective-Positioner		
Product-Code	SFS-D00100	Unit	Tolerance
Position-Sensor	SGS, Full-Bridge		
Range, Closed Loop	100	μm	±10%
Range, Open Loop (0..150 V)	100	μm	±10%
Range, Open Loop (-45..180 V)	160	μm	±10%
Resolution, open loop	0.5	nm	ca., RMS
Resolution, closed loop	1.0	nm	ca., RMS
Linearity, closed loop	0.2	%	typ.
Repeatability	10	nm	typ.
Push/Pull, maximum	20/10	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-060100



OBJECTIVE INTERFACE		
SIZE	THREAD SIZE (DIM A)	DIAMETER (DIM B)
O1	M19x0.75	14.0
O2	M25x0.75	22.0
O3	M26x0.75	23.0
O4	M27x0.75	24.0
O5	M28x0.75	25.0
O6	M32x0.75	29.0
O7	M26x1/36"	22.0
O8	W0.8x1/36"	14.0
O9	W26x1/36"	22.0