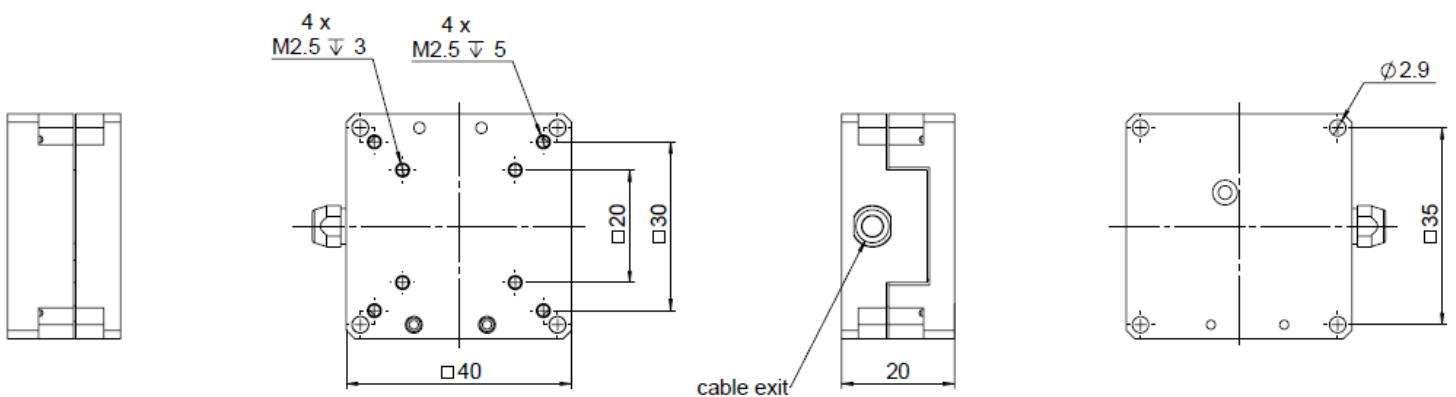


## Product-Specification

Product	X-Stage 100 µm				
	Product-Number	C1O-L00100	C1S-D00100	Unit	Tolerance
Position-Sensor	-	SGS			
Range (-45..180 V)	120	120	µm	±10%	
Range, closed loop	-	100	µm		
Resolution, open loop	0.5	0.5	nm	typ.	
Resolution, closed loop	-	1	nm	typ.	
Linearity, closed loop	-	0.2	%	typ.	
Repeatability, closed loop	-	10	nm	typ.	
Load	500		g	max.	
Push/Pull	15/10		N	max.	
Stiffness	1.5		N/µm	±10%	
Lowest Resonance, unloaded	370		Hz	±10%	
Lowest Resonance, w/ load 30g	310		Hz	±10%	
El. Capacitance @ 1V eff. 1kHz	2.2/axis		µF	±10%	
Body-Material	aluminum, stainless steel				
Dimensions	40x40x20		mm		
Wire-Length	1.5		m		
Connector	Lemosa	DSub15			
Operating Temperature	-20..+80		°C		

### Options:

- Vacuum-Compatibility and/or Non-Magnetic
- Suitable drivers, open-loop, EBO-050100
- Suitable controllers, closed-loop, EBD-060100

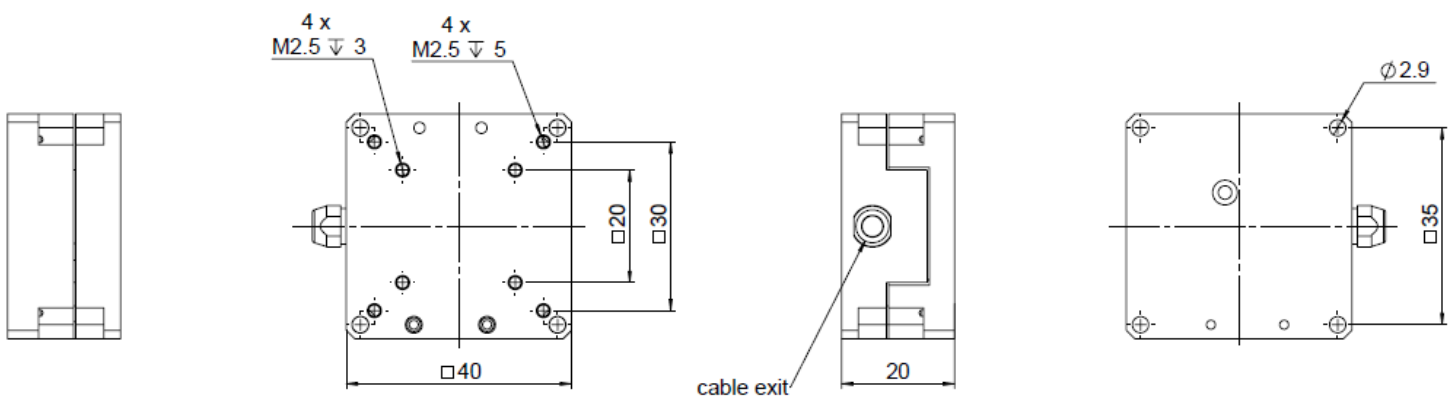


## Product-Specification

Product	X-Stage 250 µm				
	Product-Number	C1O-L00250	C1S-D00250	Unit	Tolerance
Position-Sensor	-		SGS		
Range (-45..180 V)	330		330	µm	±10%
Range, closed loop	-		250	µm	
Resolution, open loop	1		1	nm	typ.
Resolution, closed loop	-		3	nm	typ.
Linearity, closed loop	-		0.2	%	typ.
Repeatability, closed loop	-		25	nm	typ.
Load		150		g	max.
Push/Pull		15/10		N	max.
Stiffness		0.4		N/µm	±10%
Lowest Resonance, unloaded		210		Hz	±10%
Lowest Resonance, w/ load 30g		190		Hz	±10%
El. Capacitance @ 1V eff. 1kHz		2.2/axis		µF	±10%
Body-Material	aluminum, stainless steel				
Dimensions	40x40x20			mm	
Wire-Length	1.5			m	
Connector	Lemosa		DSub15		
Operating Temperature	-20..+80			°C	

### Options:

- Vacuum-Compatibility and/or Non-Magnetic
- Suitable drivers, open-loop, EBO-050100
- Suitable controllers, closed-loop, EBD-060100



## Product-Specification

Product	X-Stage 600 $\mu\text{m}$				
	Product-Number	C1O-L00600	C1S-D00600	Unit	Tolerance
Position-Sensor	-	SGS			
Range (-45..180 V)	900	900	$\mu\text{m}$	$\pm 10\%$	
Range, closed loop	-	600	$\mu\text{m}$	$\pm 0.2\%$	
Resolution, open loop	4	4	nm	typ.	
Resolution, closed loop	-	6	nm	typ.	
Linearity, closed loop	-	0.2	%	max.	
Repeatability, closed loop	-	50	nm	typ.	
Load	200		g	max.	
Push/Pull	50/20		N	max.	
Stiffness	0.15		N/ $\mu\text{m}$	$\pm 10\%$	
Lowest Resonance, unloaded	190		Hz	$\pm 10\%$	
El. Capacitance @ 1V eff. 1kHz	4.4/axis		$\mu\text{F}$	$\pm 10\%$	
Body-Material	aluminum, stainless steel				
Dimensions	60x60x21.5		mm		
Wire-Length	1.5		m		
Connector	Lemosa	DSub15			
Operating Temperature	-20..+80		$^{\circ}\text{C}$		

### Options:

- Vacuum-Compatibility and/or Non-Magnetic
- Suitable drivers, open-loop, EBO-050100
- Suitable controllers, closed-loop, EBD-060210

