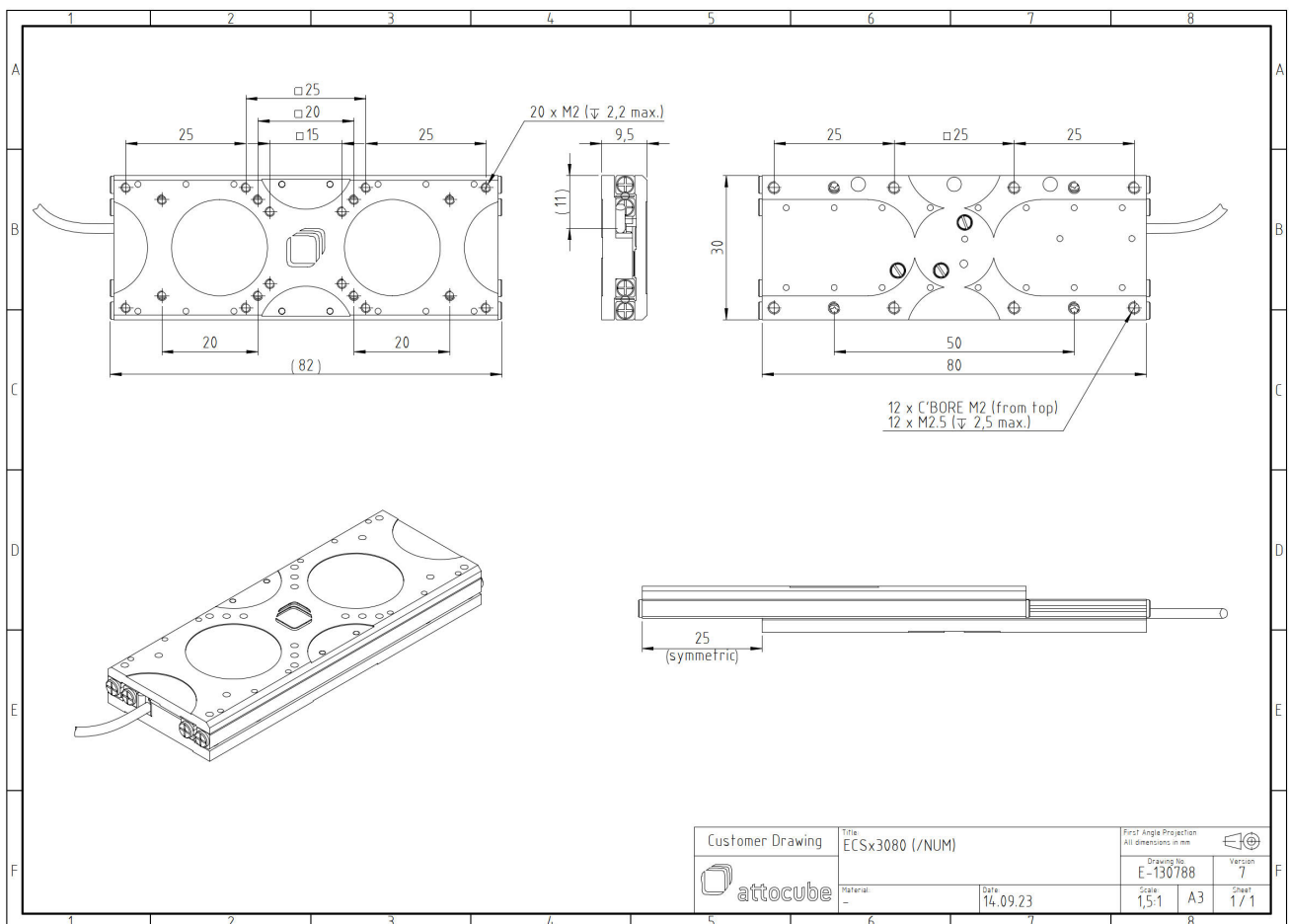


# ECSx3080/StSt/UHV

1005694

## Technical Specifications

<b>Size and Dimensions</b>	
footprint; height	30 mm x 80 mm; 9.5 mm
maximum installation space	30 mm x 131.6 mm; 9.5 mm
weight (stainless steel version)	147 g
height	9.5 mm
<b>Materials</b>	
positioner body	stainless steel
actuator	PZT ceramics
connecting wires	copper, jacket: RT: PTFE, HV/UHV: fiberglass
<b>Coarse Positioning Mode</b>	
travel range (step mode)	50 mm
maximum drive velocity @ 300 K	4.5 mm/s
input voltage range	0 - 45 V
<b>Fine Positioning Mode</b>	
fine linear positioning range @ 300 K	1.6 $\mu$ m
fine positioning resolution	sub-nm
input DC voltage range	0 - 45 V
<b>Load (@ ambient conditions)</b>	
maximum load	2 kg
maximum dynamic force along the axis	1 N
<b>General Specifications</b>	
environment	ultra-high vacuum



Customer Drawing	Title: ECSx3080 (/NUM)	First Angle Projection All dimensions in mm
	Material: -	Drawing No. E-130788
	Date: 14.09.23	Version: 7
		Scale: 1,5:1
		A3
		Sheet: 1 / 1