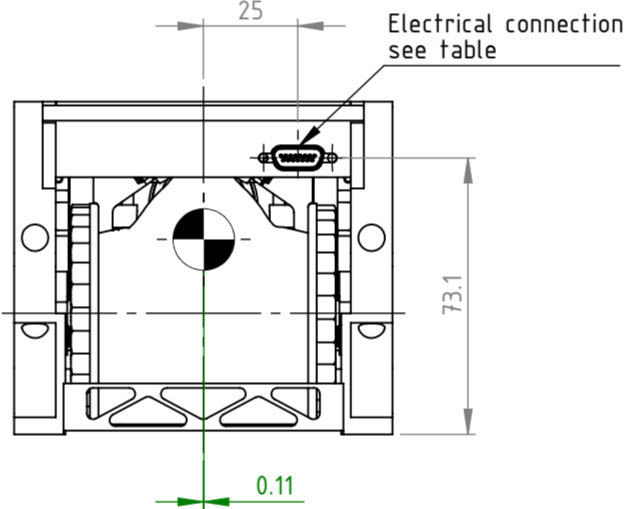
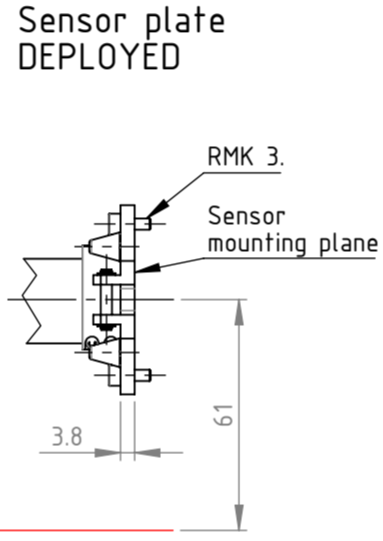
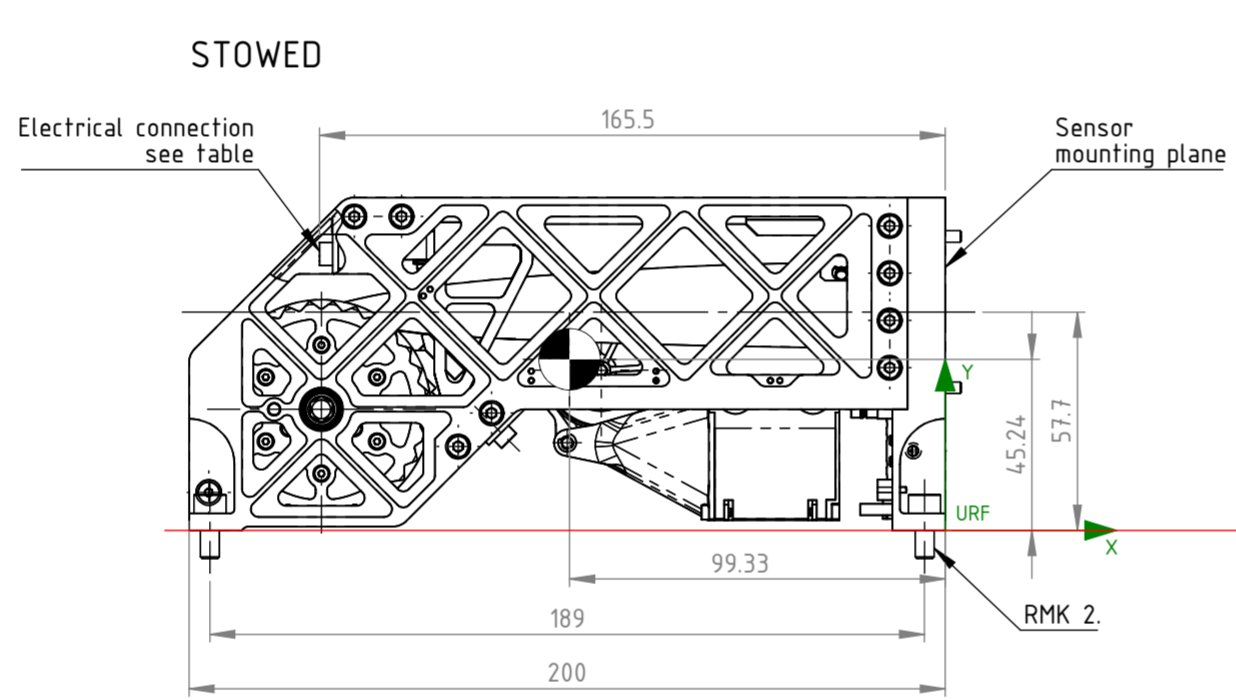
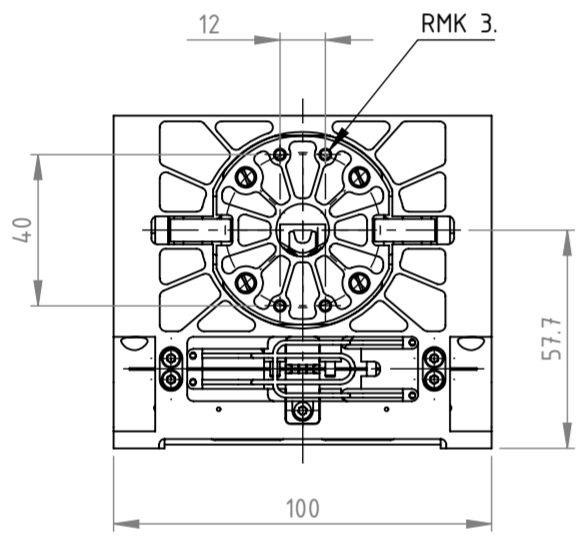
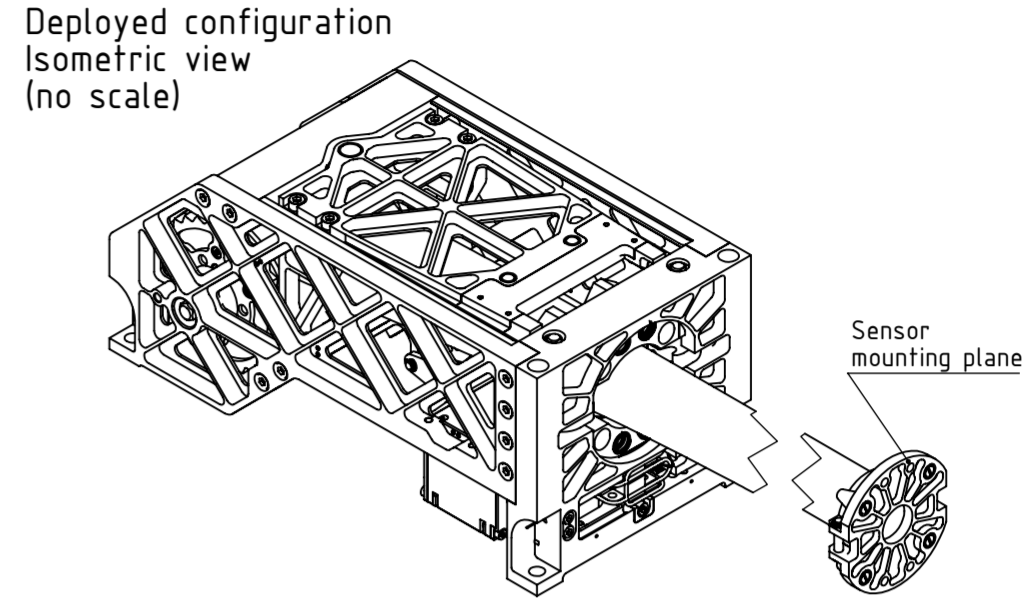
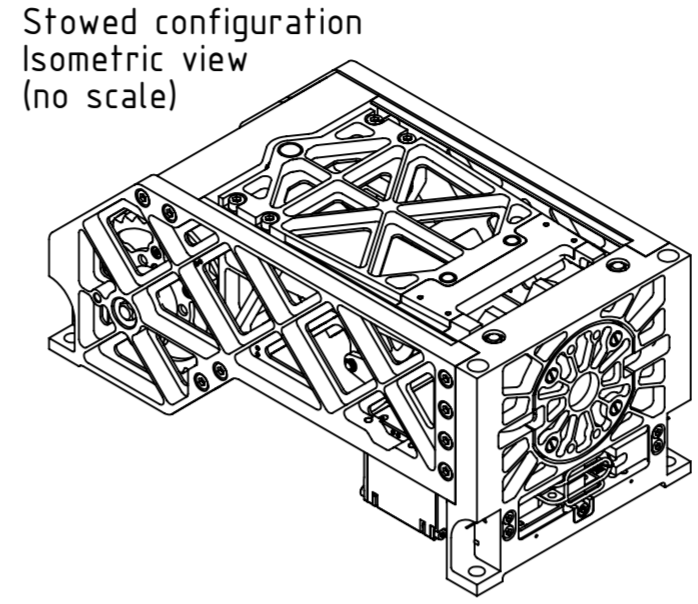
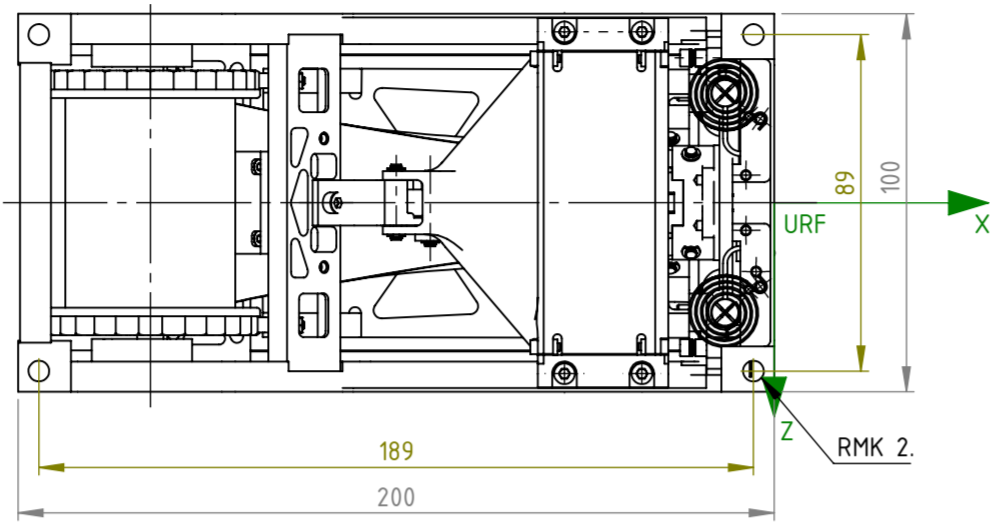


Passive Boom Connectors				
No	Name	Function	Q-ty	Type
1	Main connector	4 wires HDRM 4 wires for microswitches Sensor wire	1	Micro D-15

Version Change History			
Version	Zone	Change Description	Date
01.01	--	Issued	12.03.2024



- General remarks:
- Length of the Boom can be adjustet to the customer needs in the given range.
  - Unit fasteners (see table Attachment Pads Surface):  
4x ISO 4762-M5x12-A2-70
  - Sensor fasteners:  
4x ISO 4762-M3x8-A2-70
  - Passive Boom total mass:  
1066.5 g ± 10% (including harness, connector & sensor wire)  
1003.7 g ± 10% (excluding harness, connector & sensor wire)

General tolerances:  
ISO 2768-mK (PN-EN 22768-1:1999-mK)  
PN-EN ISO 286-1:2011, PN-EN ISO 286-2:2010

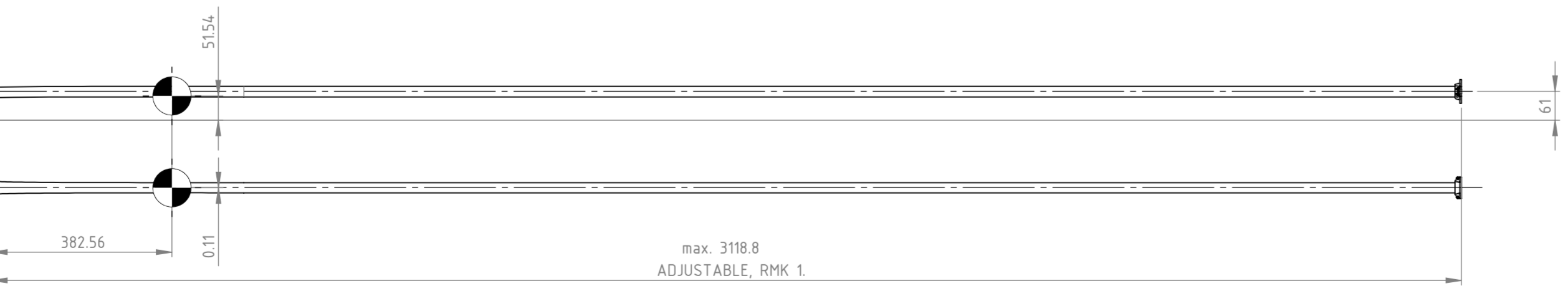
Passive Boom Center of Gravity wrt URF (±10%)		Passive Boom Attachment Pads Surface	
Stowed		Structure material	Aluminium 7075-T6
X	-99.33 mm	Surface coating	Alodine 1200
Y	45.24 mm	Roughness [um]	Ra = 1.6
Z	0.11 mm	Flatness [mm]	±0.1 per 100 mm
Deployed		Total area [mm <sup>2</sup> ]	610,3
X	382.56 mm		
Y	51.54 mm		
Z	0.11 mm		

Passive Boom Moments of Inertia at CoG wrt URF (±10%)					
Stowed					
Ixx	1501513 g*mm <sup>2</sup>	Iyy	5587281 g*mm <sup>2</sup>	Izz	
Ixy	481295 g*mm <sup>2</sup>	Iyz	-5817 g*mm <sup>2</sup>	Izz	5356137 g*mm <sup>2</sup>
Ixz	-23414 g*mm <sup>2</sup>				
Deployed					
Ixx	1410987 g*mm <sup>2</sup>	Iyy	917121210 g*mm <sup>2</sup>	Izz	
Ixy	5037505 g*mm <sup>2</sup>	Iyz	-6741 g*mm <sup>2</sup>	Izz	916900013 g*mm <sup>2</sup>
Ixz	-81541 g*mm <sup>2</sup>				

(1 : 10)

STOWED

DEPLOYED



STATUS	NAME	DATE	MASS:
DESIGN			
DRAWN	J. Marcinowski	11.03.2024	
CHECKED	D. Nolbert	12.03.2024	SCALE:
PA APV	M. Ossowski	12.03.2024	1:2
PROJECT:	ASSEMBLY NAME:		PROJECTION:
	ASSEMBLY NUMBER & VERSION:		SIZE:
	_v.01		A2
			PAGE:
			1/1

