

*Dear HFM-EXED user,*

*on the next pages you will find*

*i-ii) a sketch of the 4He-cryostat (base  $T \sim 1.5$  K) interface and dimensions (in mm);*

*iii) a drawing of the sample holder. It consists of a pin with a very special swallowtail at the bottom enabling sample rotation around the vertical axis ( $\pm 90^\circ$ ). Since the swallowtail is quite complex, the sample holder will be **sent to you**. You can modify the upper part (pin) to adjust to your sample shape and dimensions but not the bottom part. If you like to manufacture the sample holder yourself, it is also acceptable provided that we receive it well in advance for checking and testing.*

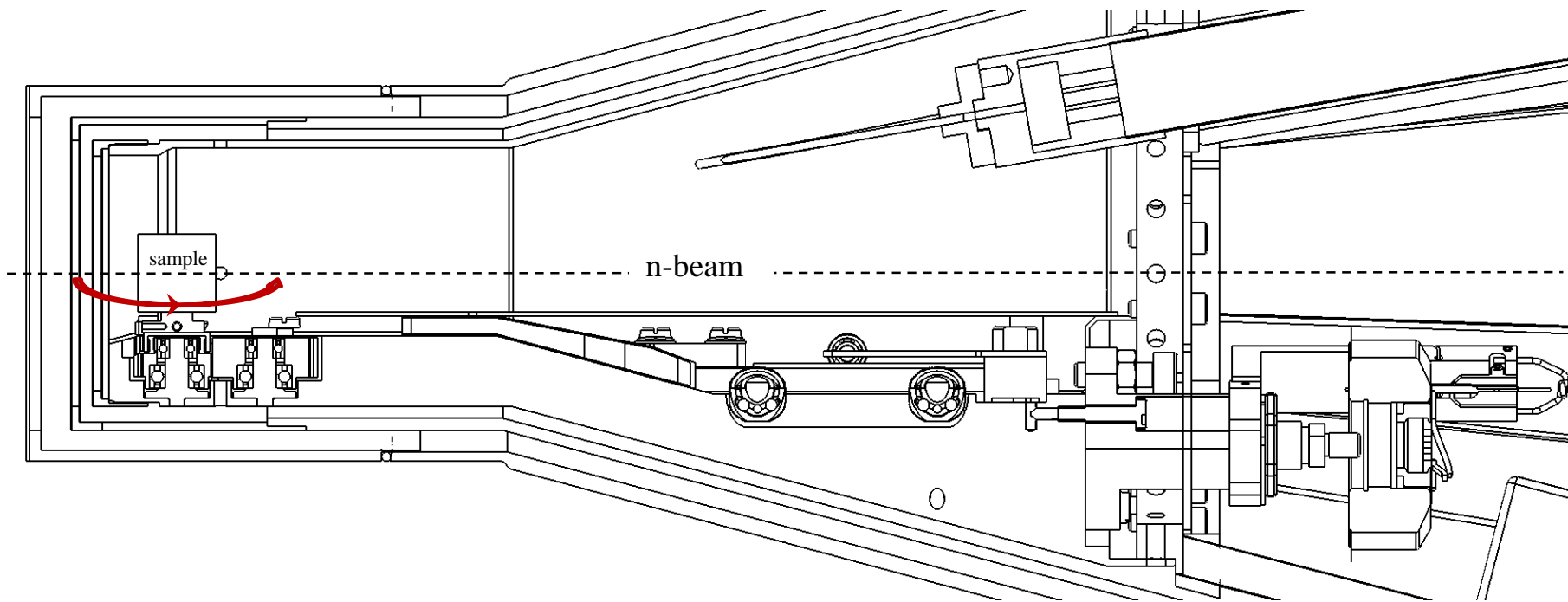
*iv) a few photos of the main components.*

*If you have any questions, do not hesitate to contact us,*

*HFM-EXED team*

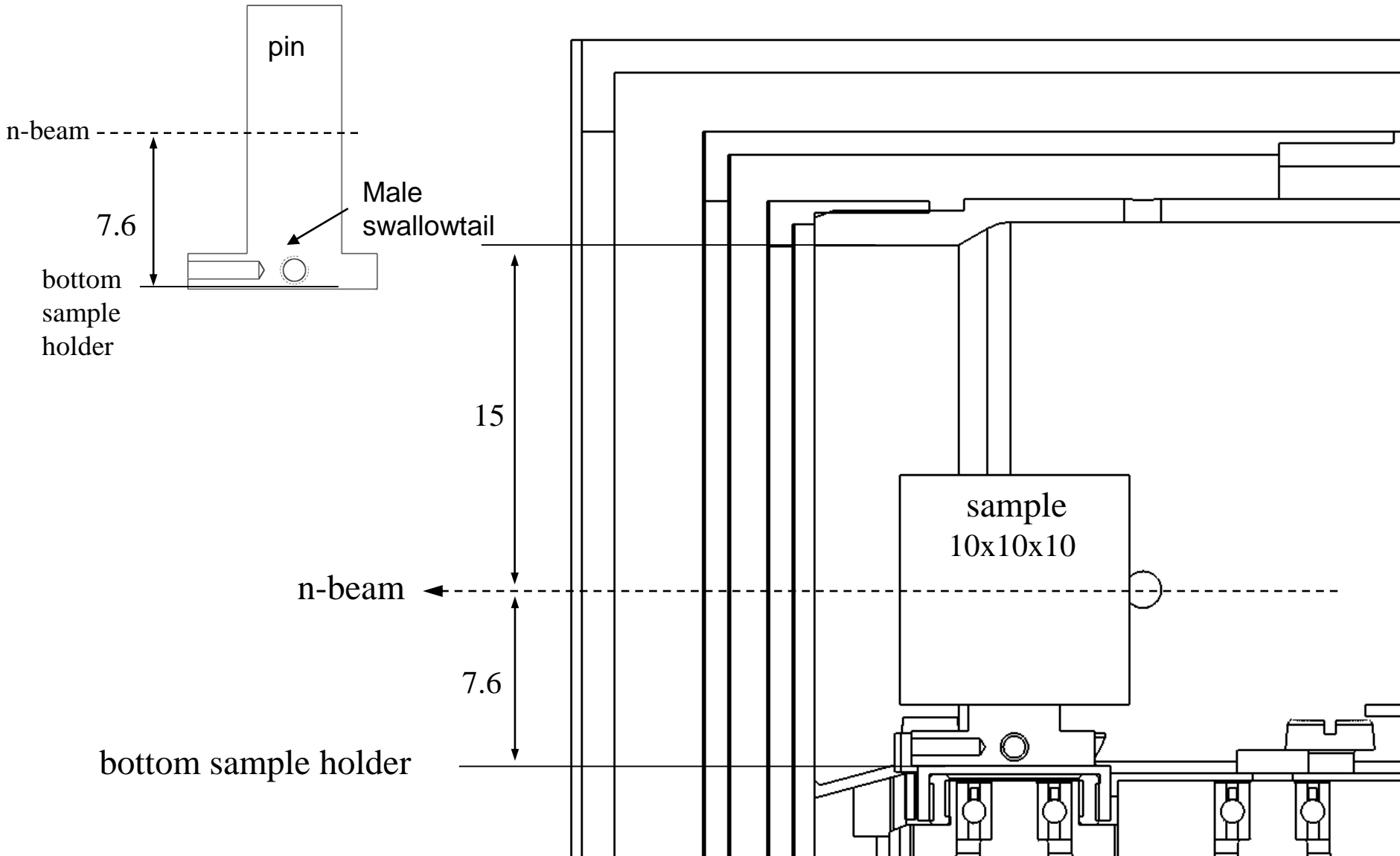
# 4He-cryostat with vertical rotation stage

Side view

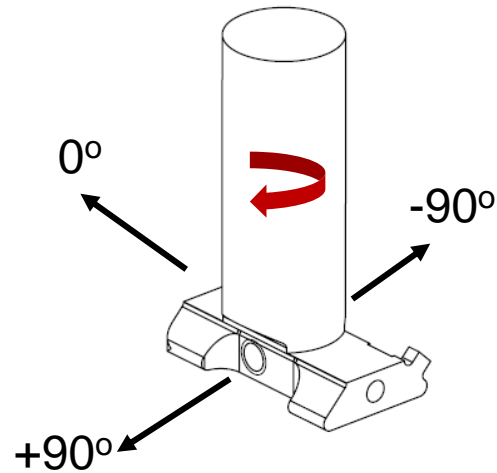
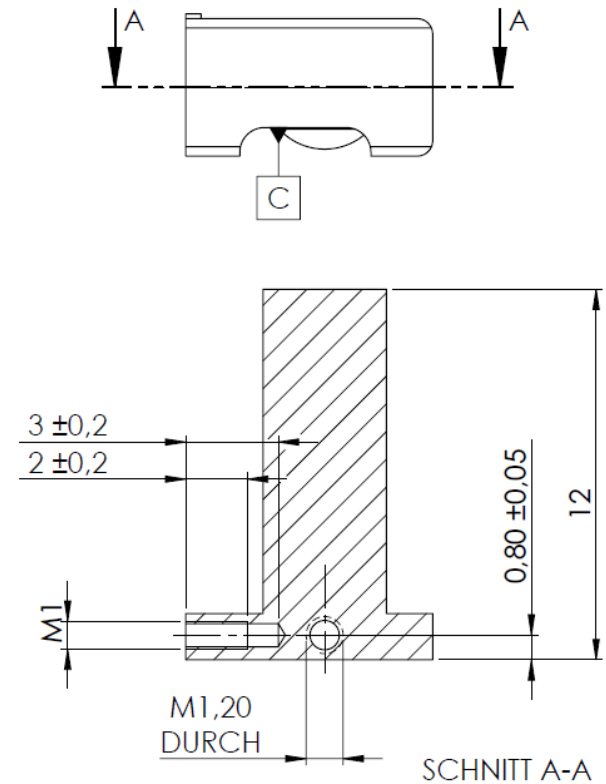
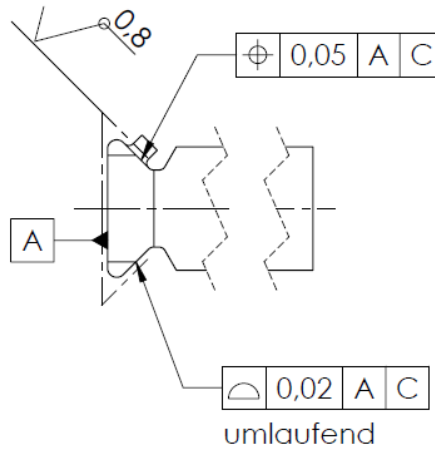
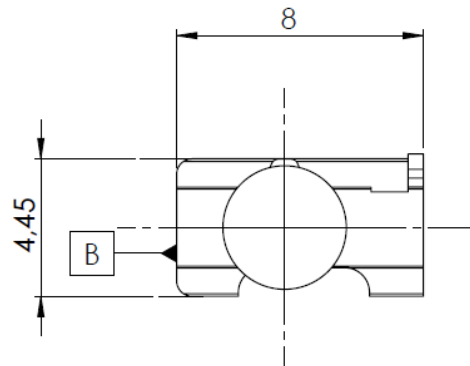


sample holder

Side view

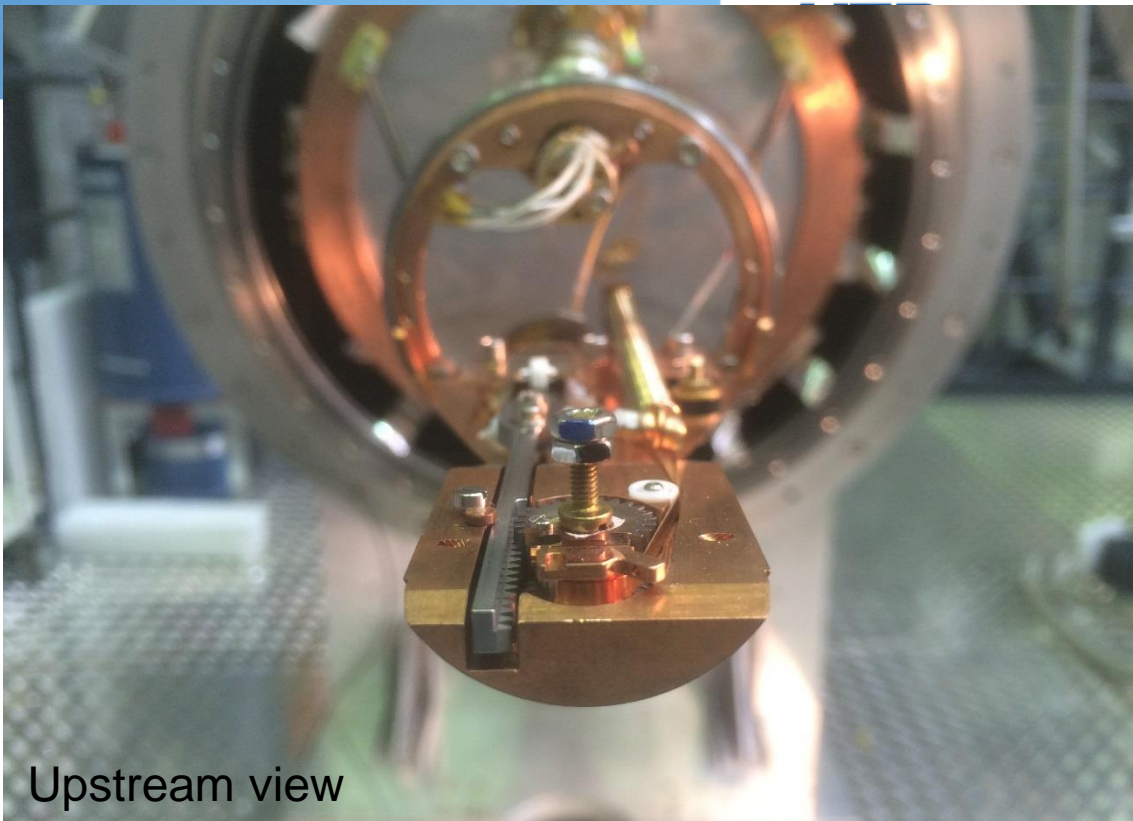
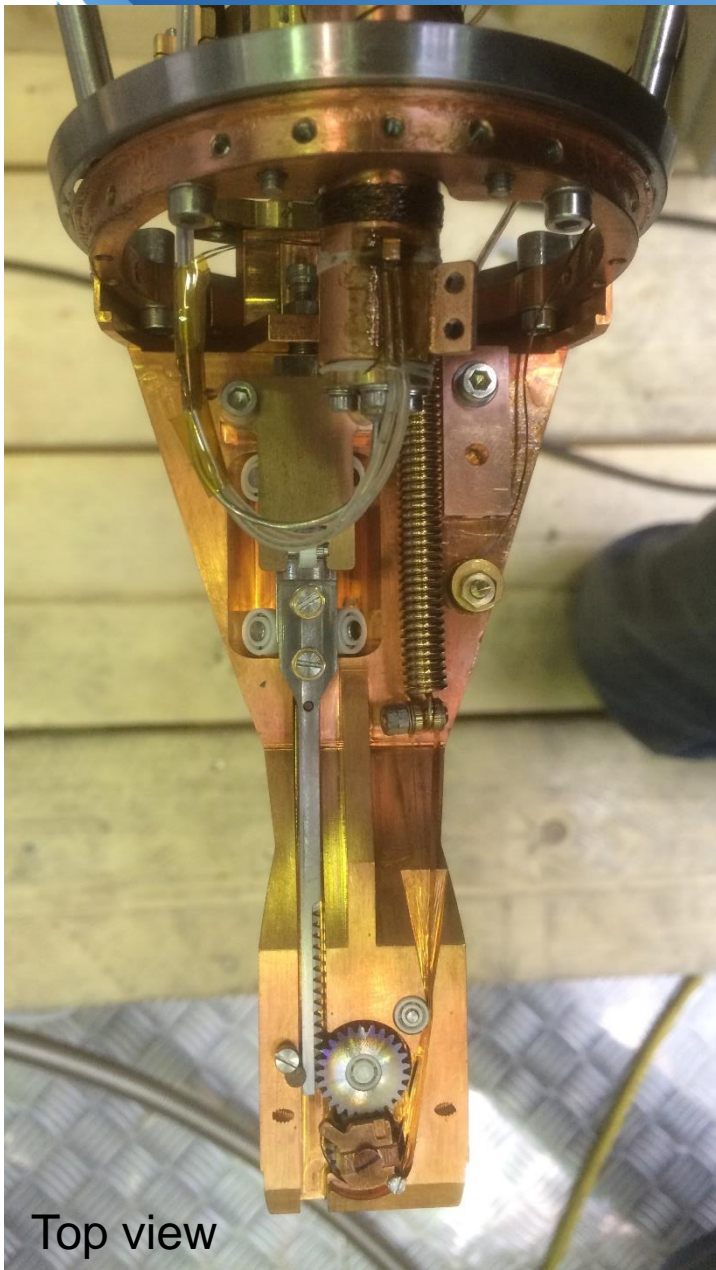


sample holder



Zeichnung mit Minimalbemassung;  
Vollständige Gemometrie in step-Datei

Bemassungen in Millimeter Oberflächenbeschaffenheit: Toleranz nach DIN 7168 m ± 0,1 mm Kantenbruch DIN 6187 ± 0,2 mm	ENTGRATEN UND SCHARFE KANTEN BRECHEN		Helmholtz-Zentrum-Berlin für Materialien und Energie Hahn-Meitner-Platz 1 D-14109 Berlin	
DATUM 07.10.2015	NAME R. Wahle	BENENNUNG: <b>10 Stück</b> <b>MST_sample holder</b>		
WERKSTOFF: Cu-OFHC, CW008A (HART)	POS-NR. EXED_H3K_MST.001	A4		
GEWICHT: 0.17 Kg	MASSSTAB: 10:1	BLATT 1 VON 1		



Sample Holder (male swallowtail)

MFSR Receive  
(female swallowtail)

