

*Dear HFM-EXED user,*

*on the next pages you will find*

*i) a sketch of the 3He-cryostat interface and dimensions;*

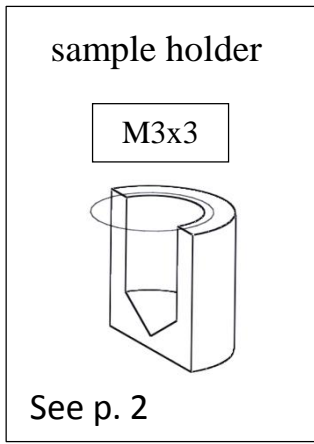
*ii) a drawing of the cryostat adapter plate. The sample holder is fixed to this plate using M3 screw. The groove in the plate is used to orient the sample holder along the field. If the field orientation is important for your experiment, the sample holder should contain a tongue fitting to the groove;*

*iii) a simple example of the sample holder (does not contain the tongue). The bottom part where the sample will be fixed can be of arbitrary shape as defined by the sample shape and orientation. The sample and its holder should fit to the available space, see dimensions given in i);*

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

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

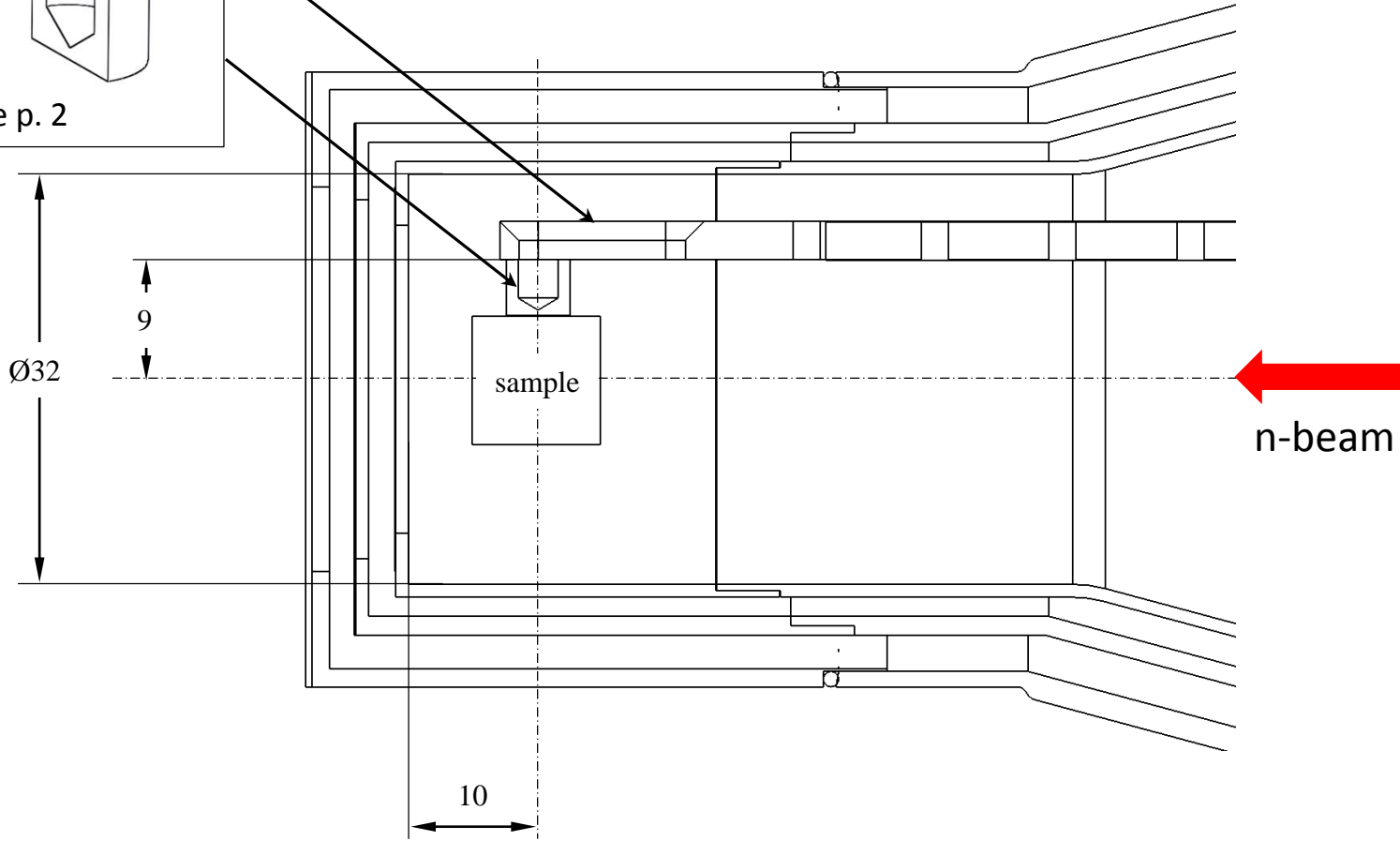
*HFM-EXED team*

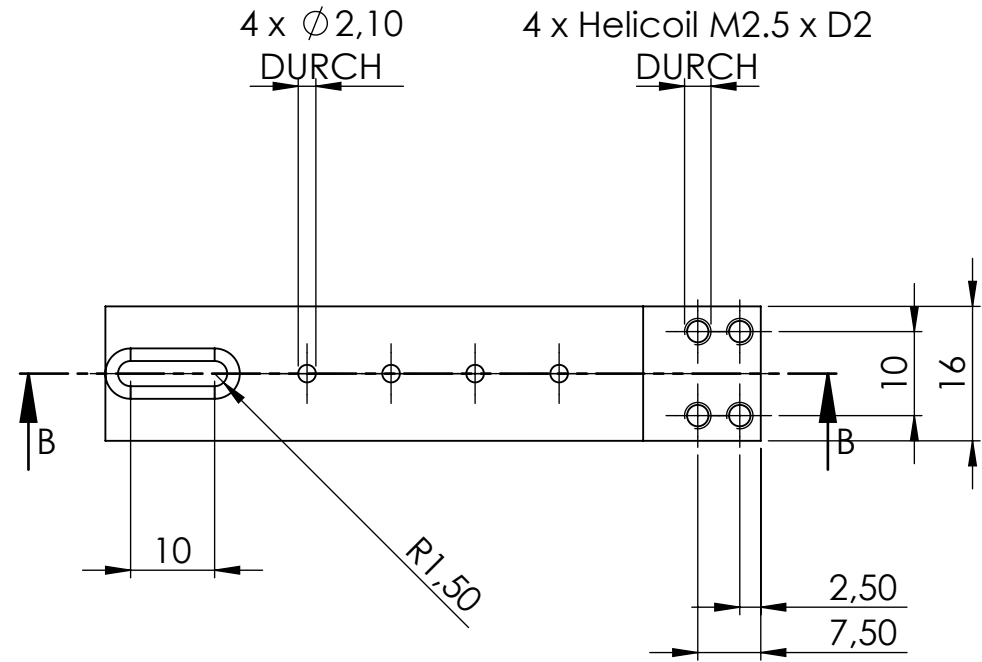
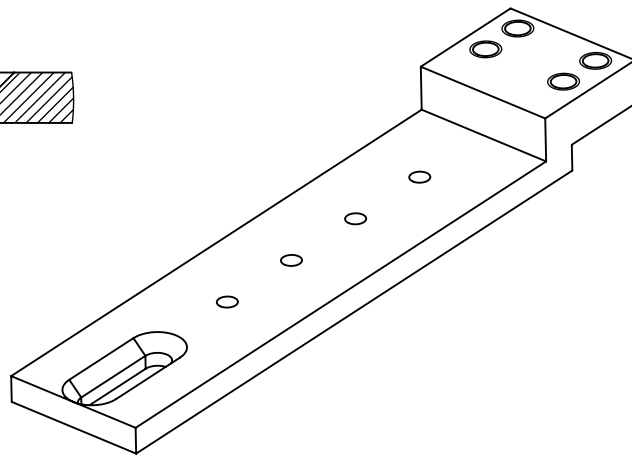
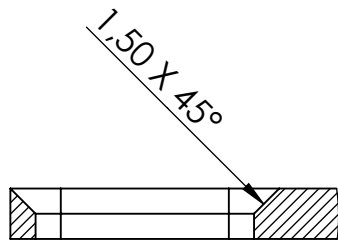
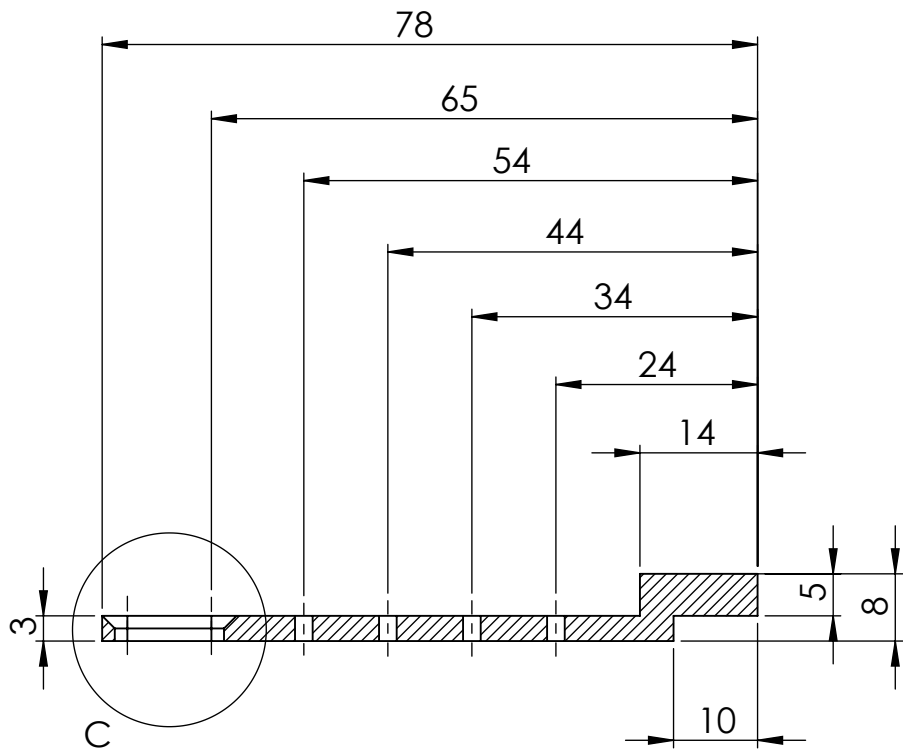


# Sample Space

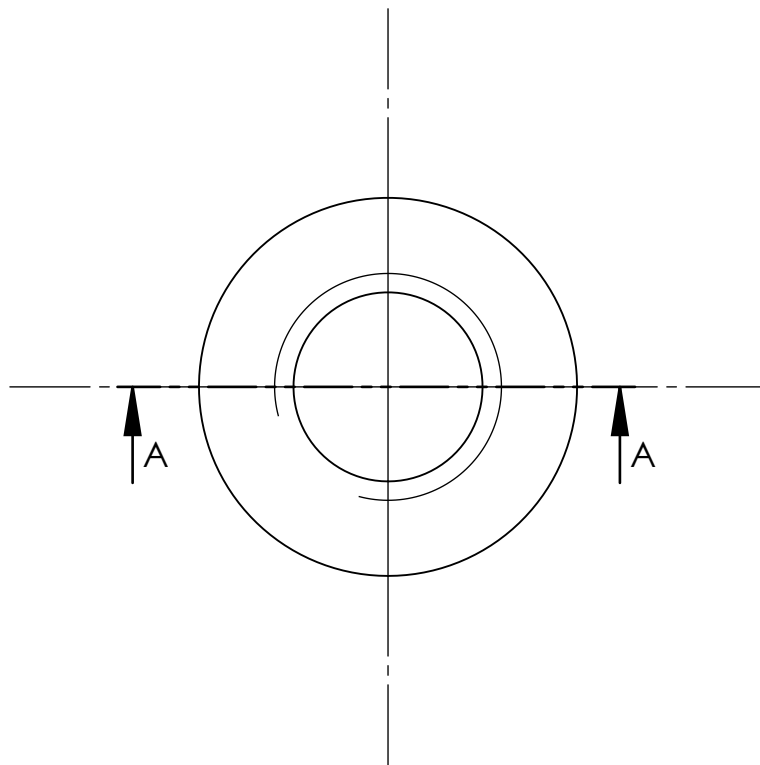
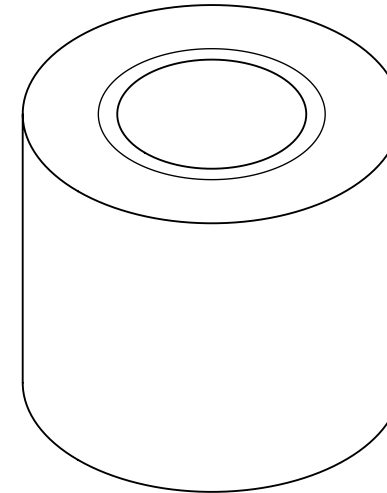
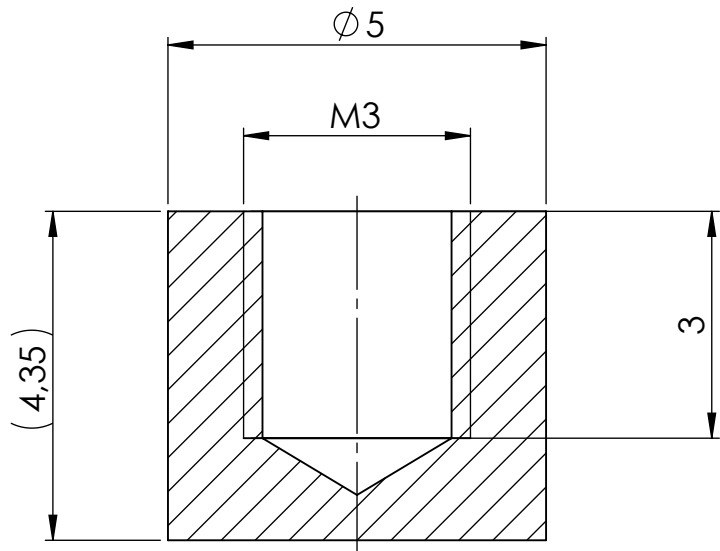
He3-Cryostat  
side view



Cryoadapter, see p. 3

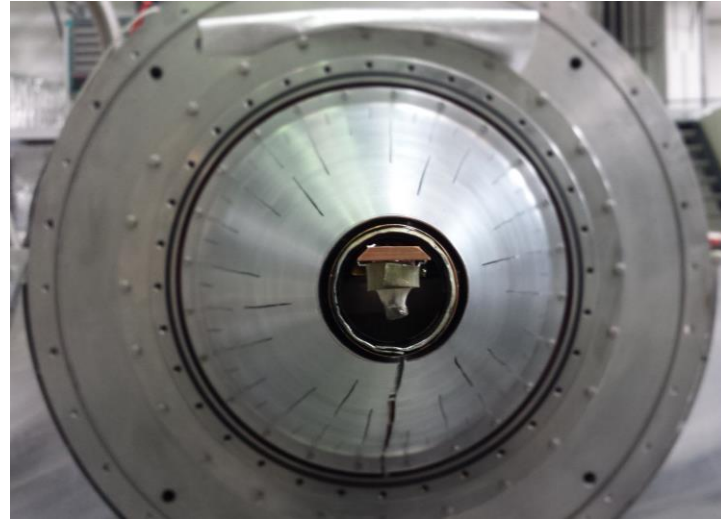
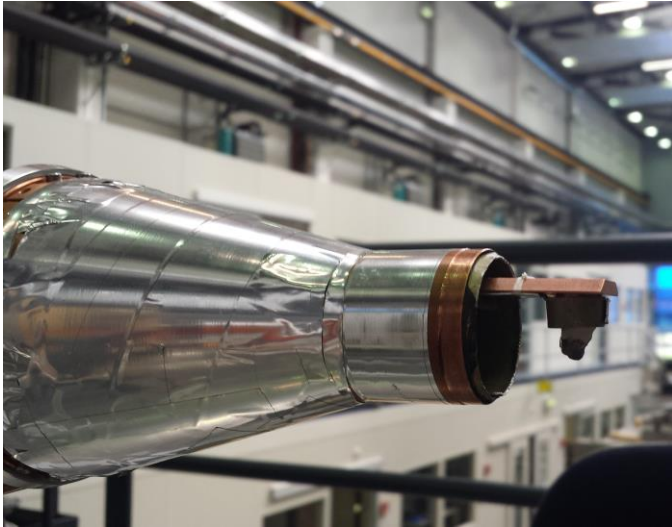




Bemessungen in Millimeter Oberflächenbeschaffenheit: Toleranz nach DIN 7168 $m \pm 0,1$ mm Kantenbruch DIN 6187 $\pm 0,2$ mm	ENTGRATEN UND SCHARFE KANTEN BRECHEN	<b>HZB</b> Helmholtz Zentrum Berlin	Helmholtz-Zentrum-Berlin für Materialien und Energie Hahn-Meitner-Platz 1 D-14109 Berlin	
DATUM	NAME	BENENNUNG:		
30.07.2015	R. Wahle	<b>Probenhalter-Adapter im He3 Kryo</b>		
WERKSTOFF:	POS-NR.			
<b>OFHC Kupfer</b>				A4
GEWICHT: <b>0.04</b> Kg	MASSSTAB: 1:1	BLATT 1 VON 1		



Bemessungen in Millimeter Oberflächenbeschaffenheit: Toleranz nach DIN 7168 $m \pm 0,1$ mm Kantenbruch DIN 6187 $\pm 0,2$ mm		ENTGRATEN UND SCHARFE KANTEN BRECHEN		 Helmholtz-Zentrum-Berlin für Materialien und Energie Hahn-Meitner-Platz 1 D-14109 Berlin			
DATUM		NAME		BENENNUNG:			
30.07.2015		R. Wahle		<b>Probenhalter für Probe im He3 Kryo</b>			
WERKSTOFF:		POS.-NR.					
OFHC Kupfer				A4			
GEWICHT: 0.63 Kg		MASSSTAB:10:1		BLATT 1 VON 1			



Cryostat adapter plate, sample holder and sample as viewed from the side (top left), along the field direction (top right) and from the top (bottom left)