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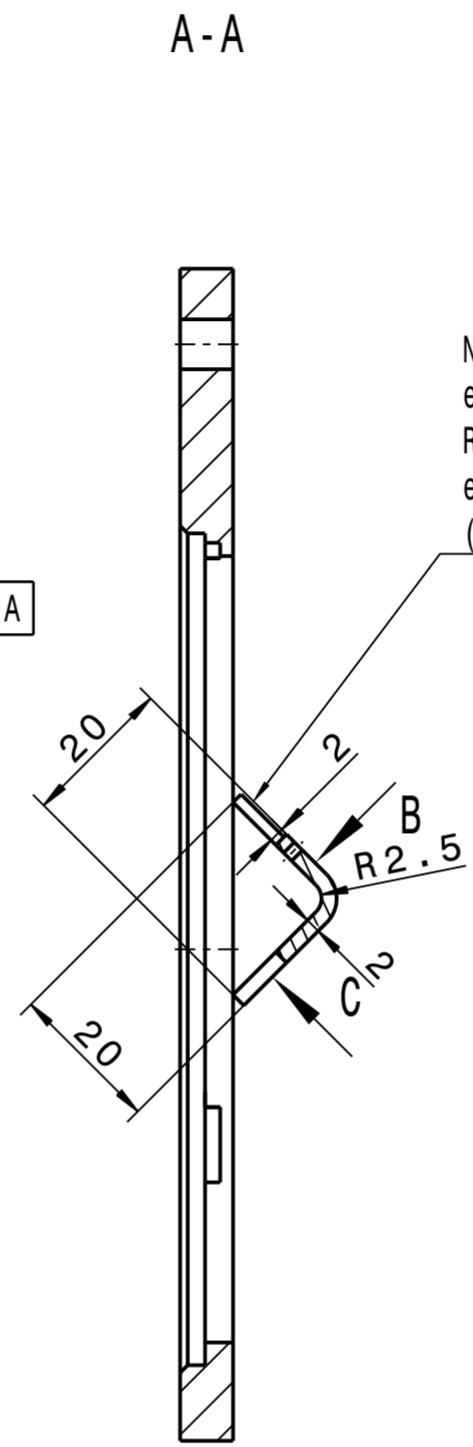
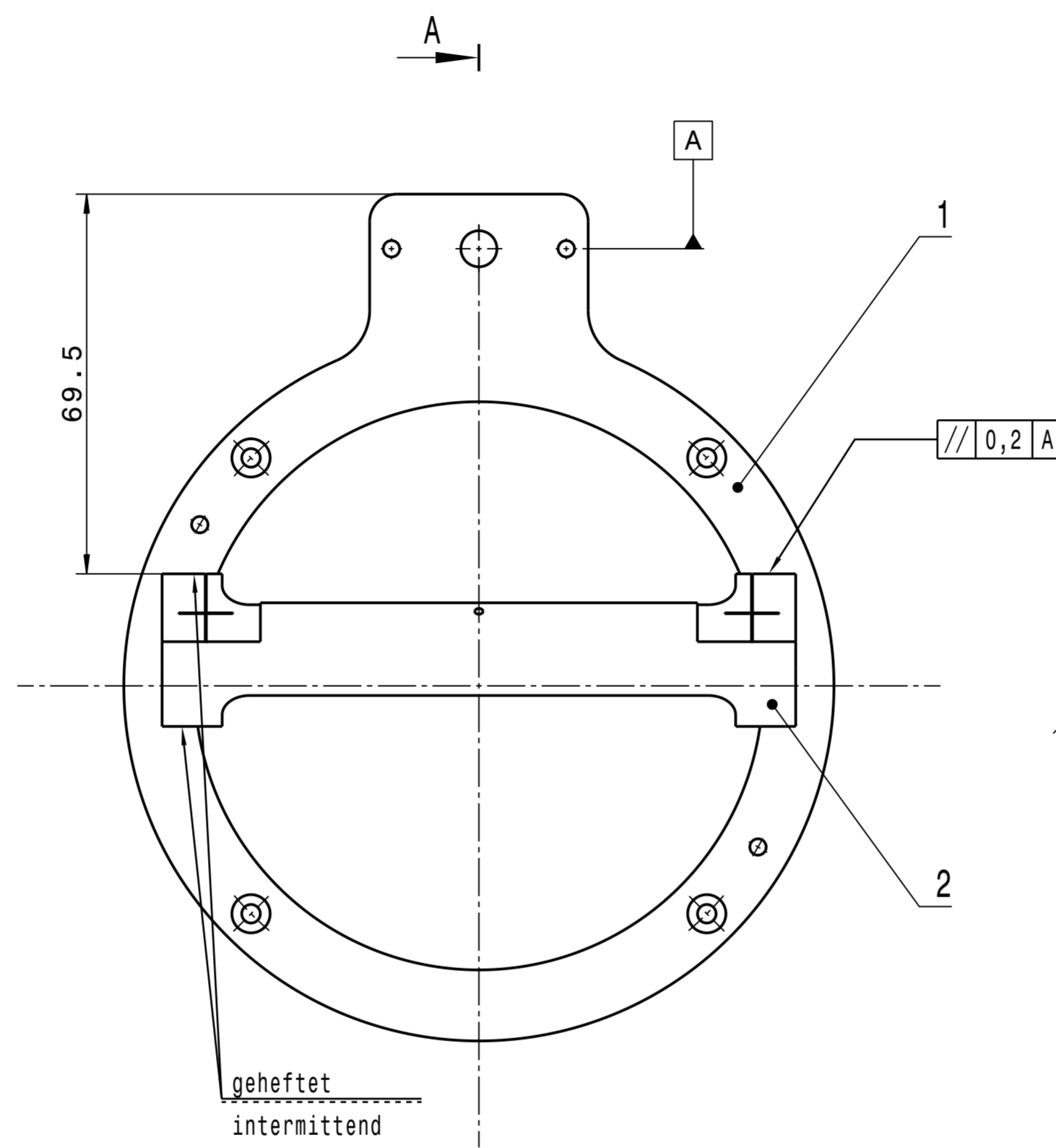
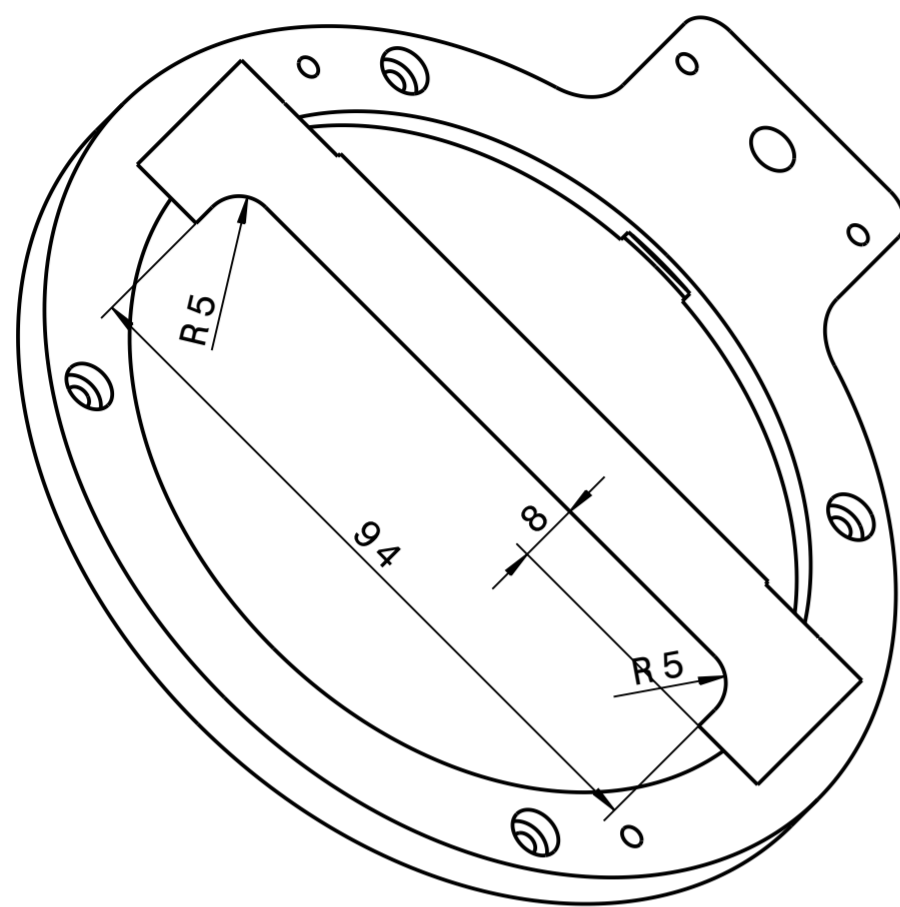


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Planckstrasse 1, 64291 Darmstadt

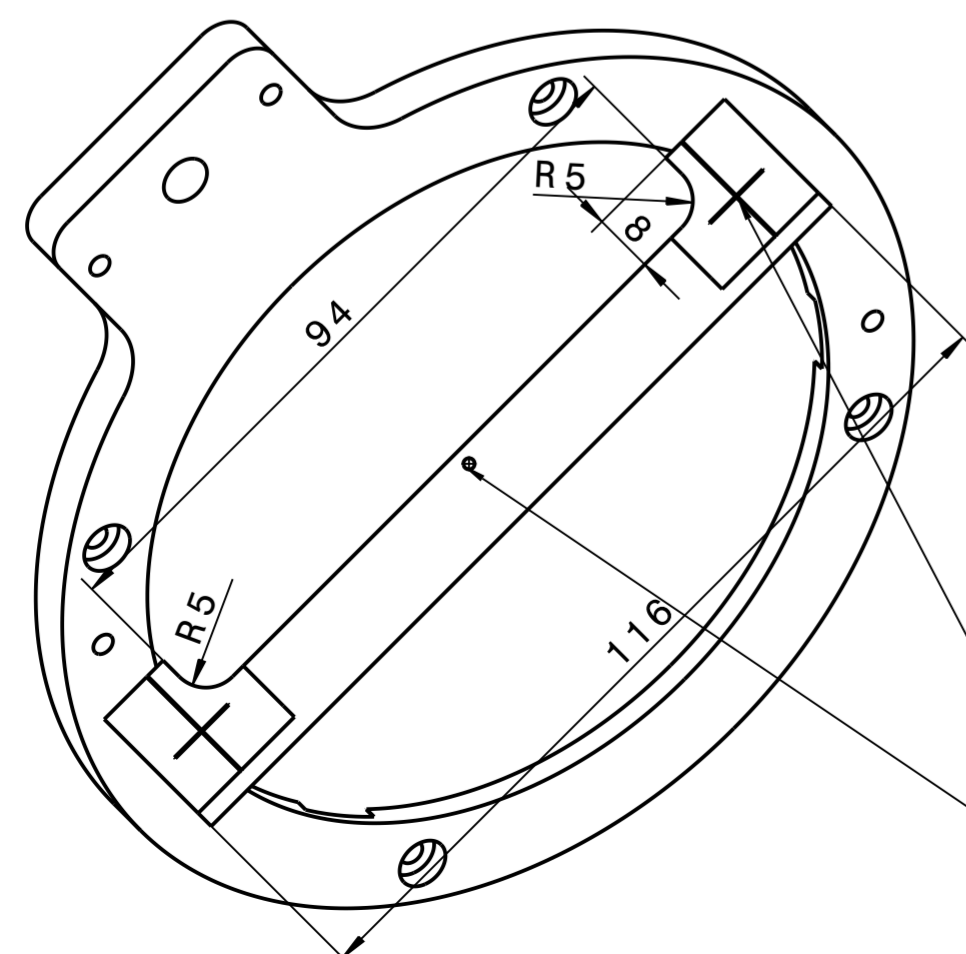
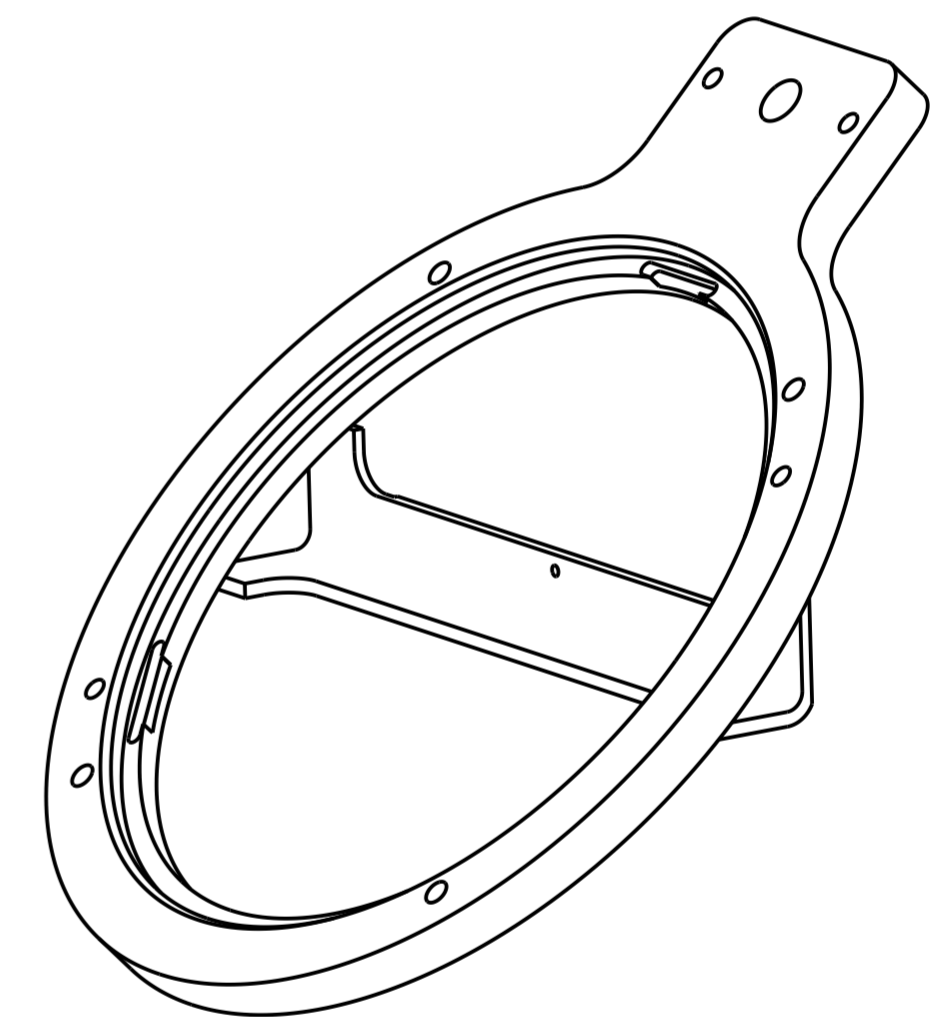
	Date	Name
Drawn	24.06.2015	Hartung, M.
Checked		
Approved		

Rev. No.	Rev.-Doc.-No.	Date	Name
-			
<b>For information</b>			
<b>Description</b>			
<b>Viewing Screen HES-DF 1021</b>			
Drawing No.			Rev.
<b>BD-1022578-A-000</b>			-
Prev. Dwg.		Repl. for	

Item	Qty.	Description	Drawing No.	Dimensions ( finished part )	Standard / Source of supply	Material	Remark
1	1	Holder	BD-1020237-A-000 (-)				
2	1	Viewing Screen	BD-1014796-A-000 (-)				
3							
4							
5	1	Holder Upper Part	BD-1015135-P-000 (-)	Ø130x5		1.4301 (X5CrNi18-10)	
6	1	Bracket Adapter	BD-1022577-P-000 (-)	54x40x25		1.4301 (X5CrNi18-10)	
7							
8	3	Feder	T-DT 060.000.020 (-)	1,7x2,9x14,4		Duratherm 600 half hard	
9							
10	1	Cylinder Screw		M6x16	ISO 4762	A2 gal Ag	Vacuum Screw
11	4	Cylinder Screw		M3x8	ISO 4762	A2 gal Ag	Vacuum Screw
12							
13							
14	2	Cylinder Bolt		Ø3m6x10	ISO 2338	A2 gal Ag	
15							
16							



Nacharbeit der Fläche erfolgt nach Montage.  
Rework of surface is executed after assembly.  
(BD-1020235-A-000)



Anbringung der Markierung und Bohrung erfolgt nach Montage.  
Milling of marks and whole is executed after assembly.  
(BD-1020235-A-000)

Kanten ISO 13715  $\begin{matrix} +0.3 \\ -0.1 \end{matrix}$

Technical Guidelines	
take note of current status	
No.	Description
F-TG-V-2.5e	Vacuum Firing for Hydrogen Degassing of Materials and UHV Chambers
F-TG-V-2.25e	Cleaning of Standard Vacuum Components

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 Helmholtzzentrum für Schwerionenforschung GmbH Planckstrasse 1, 64291 Darmstadt		Surfaces DIN ISO 1302	For information			
Dimensions without tolerance indication DIN ISO 2768-mK EN ISO 13920-BF		Weight Material	Scale 1:1		Size A2	
Drawn	Date 09.03.2015	Name Dorn, C.	Description Holder		Drawing No. BD-1020237-A-000	
Checked			Rev. -		Sheet 1 of 1	
Approved			Prev. Dwg.		Repl. for	

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Planckstrasse 1, 64291 Darmstadt

Rev. No.

Rev.-Doc.-No.

Date

Name

-

**For information**

Description

**Holder**

	Date	Name
Drawn	09.03.2015	Dorn, C.
Checked		
Approved		

Drawing No.

**BD-1020237-A-000**

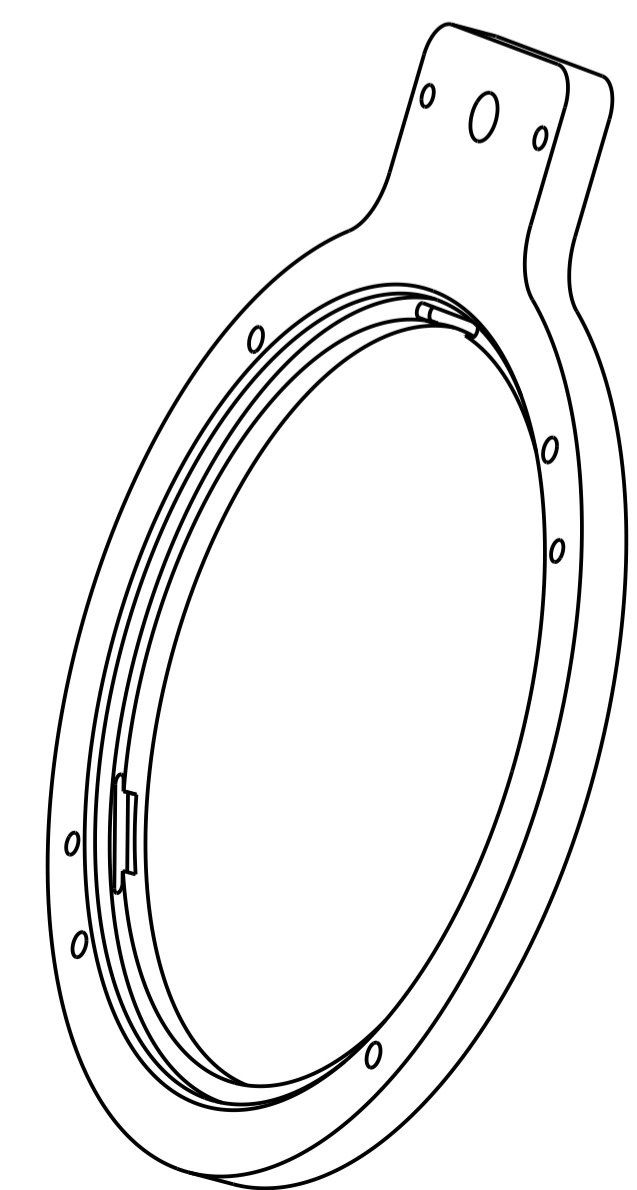
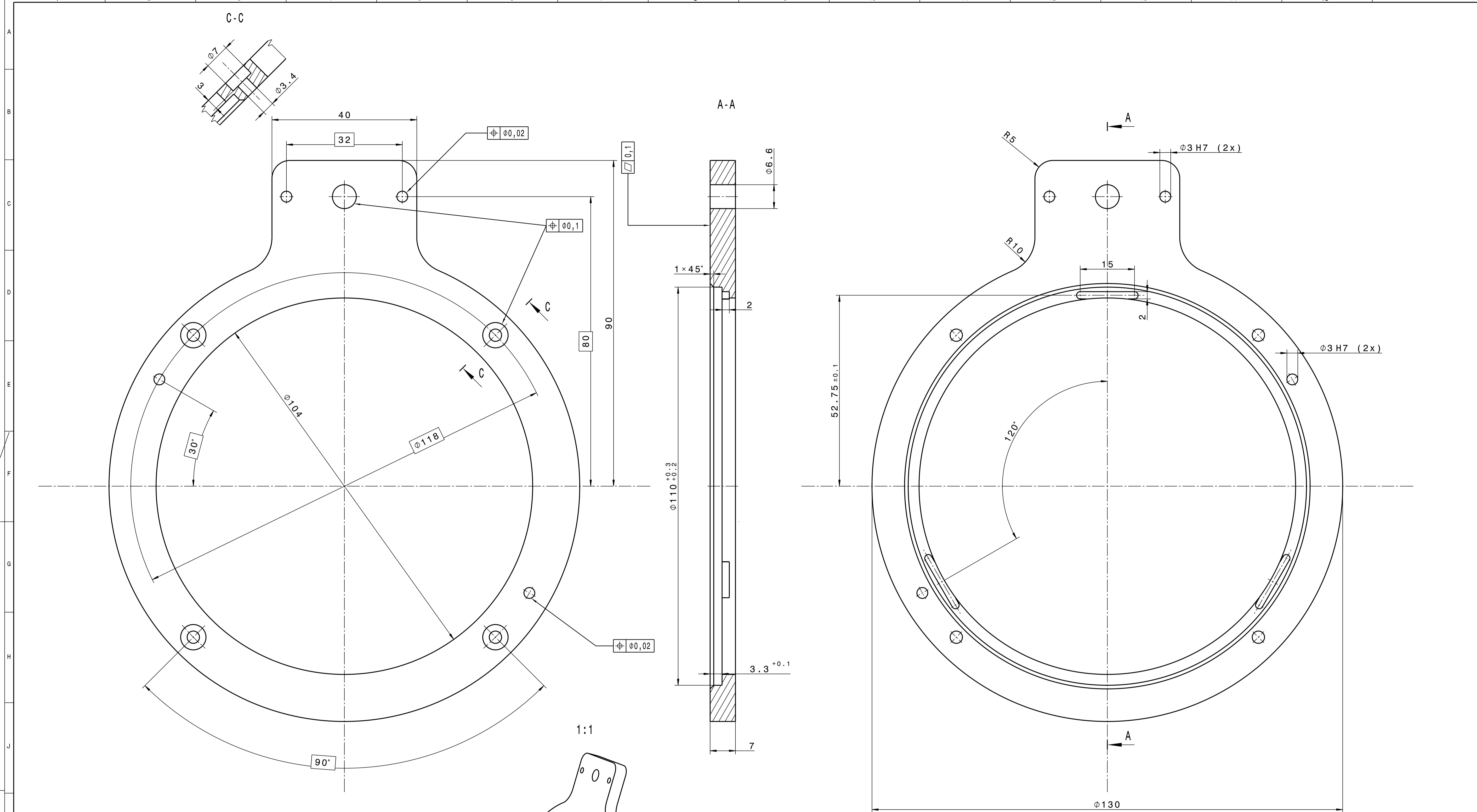
Rev.

-

Prev. Dwg.

Repl. for

Item	Qty.	Description	Drawing No.	Dimensions ( finished part )	Standard / Source of supply	Material	Remark
1	1	Holder Plate	BD-1015136-P-000 (-)	145x130x7		1.4301 (X5CrNi18-10)	
2	1	Bracket		20x20x2x116		1.4301 (X5CrNi18-10)	
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							

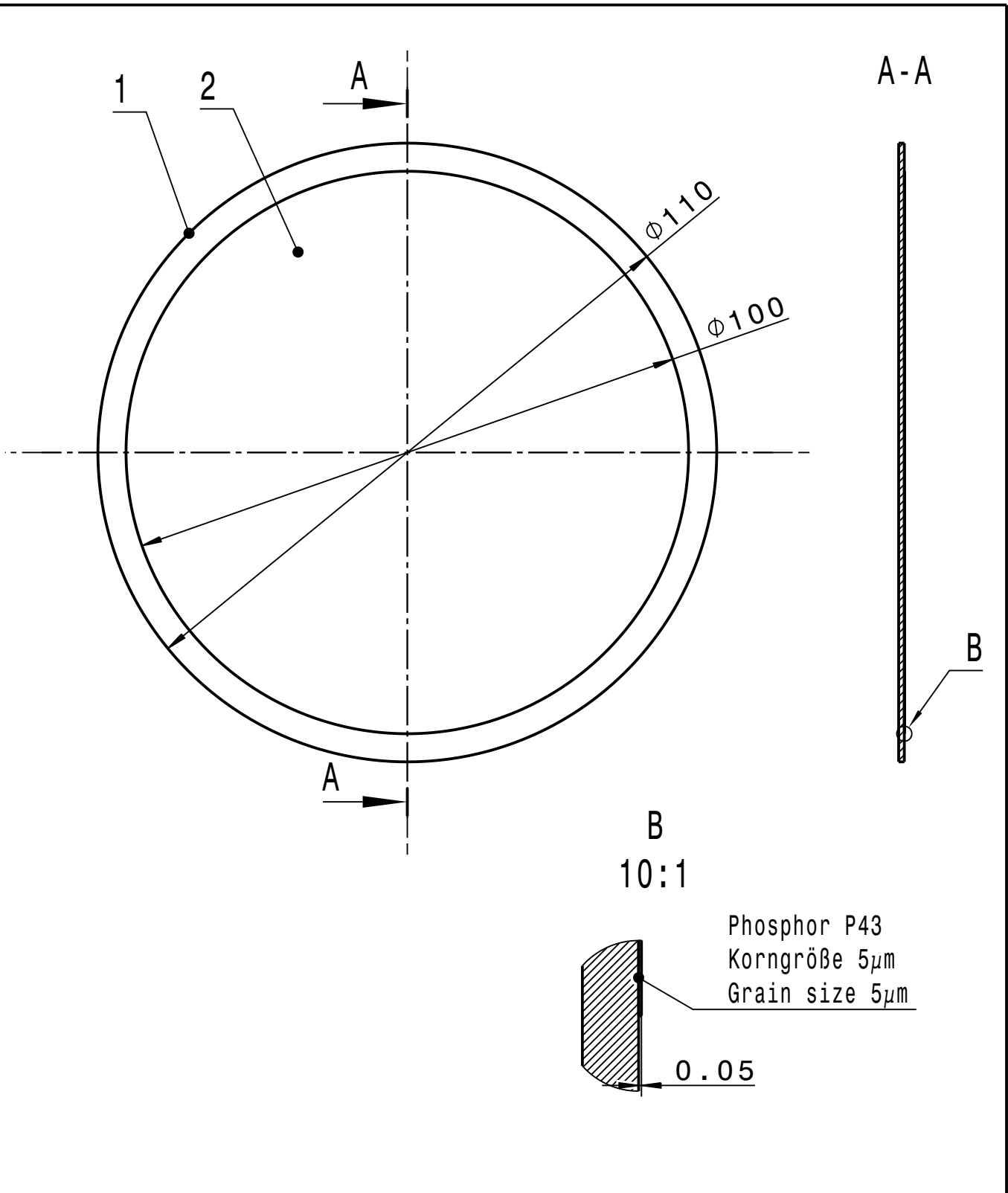




\* Alternativ kann ESU-Material verwendet werden.  
 Dann entfällt F-TG-V-2.5e.  
 Alternative to this ESU-material can be used.  
 In this case F-TG-V-2.5e is not to apply.

Kanten ISO 13715  $\sqrt{0.3}$   $\sqrt{-0.1}$   $\sqrt{Rz 6,3}$

Technische Richtlinien / Technical guidelines	
aktuellen Stand beachten / take note of current status	
Nr. / No.	Benennung / Description
F-TG-V-2.5e	Vacuum Firing for Hydrogen Degassing of Materials and UHV Chambers
F-TG-V-6.2e	Cleaning of Standard Vacuum Components

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Surfaces DIN ISO 1302 For information		Dimensions without tolerance indication DIN ISO 2768-mK EN ISO 13920-BF		Weight 0,280 kg	Scale 2:1 (1:1)	
Drawn 24.06.2014 Dorn, C.		Description Holder Plate		Size A1		
Checked Approved		Drawing No. BD-1015136-P-000		Rev. -	Sheet 1 of 1	
Prev. Dsg. -		Repl. for -		-		



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		Surfaces DIN ISO 1302	-			
 Helmholtzzentrum für Schwerionenforschung GmbH Planckstrasse 1, 64291 Darmstadt		Dimensions without tolerance indication DIN ISO 2768-mK EN ISO 13920-BF	Weight	0,075 kg		Scale 1:1 (10:1)
			Material			
	Date	Name	Description Viewing Screen			Size A4
Drawn	26.05.2014	Hartung, M.				
Checked						
Approved			Drawing No. BD-1014796-A-000			Rev. -
Sheet 1 of 1		Prev. Dwg.		Repl. for		

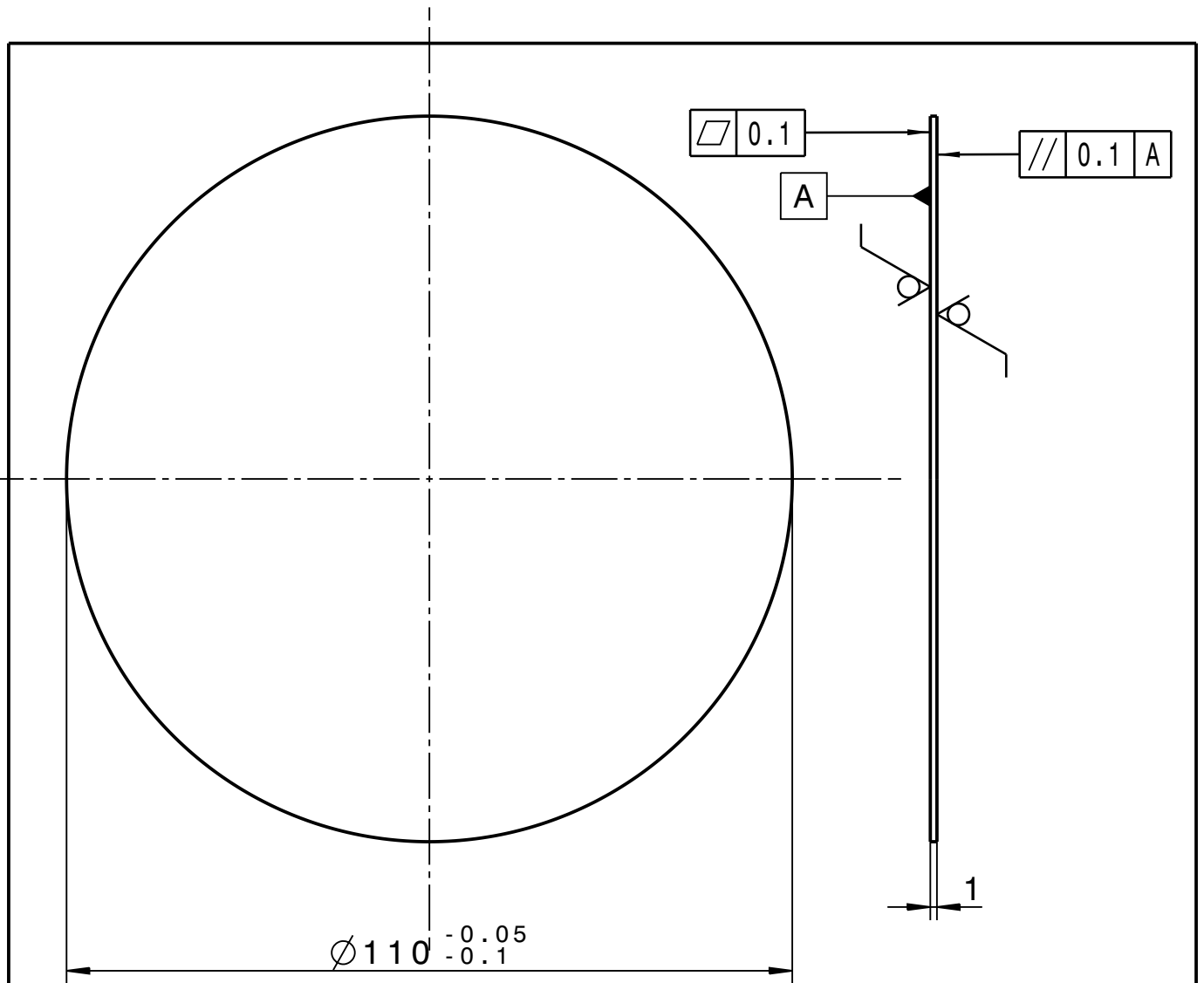
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GSI Gesellschaft für Schwerionenforschung mbH  
Planckstrasse 1, 64291 Darmstadt

Rev. No.		Rev.-Doc.-No.		Date		Name	
-							
Date		Name		Description			
Drawn		26.05.2014		Hartung, M.		<b>Viewing Screen</b>	
Checked							
Approved							
Drawing No.				<b>BD-1014796-A-000</b>			Rev.
							-
Prev. Dwg.				Repl. for			

Item	Qty.	Description	Drawing No.	Size	Dimensions ( finished part )	Standard / Source of supply	Material	Remark
1	1	Base Plat	BD-1014790-P-000 (-)		Ø110x1		1.4301 (X5CrNi18-10)	
2	1	Phospor Coating			Ø100x0,05		P 43 (5µm Grain Size)	
3								
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11								
12								
13								
14								
15								
16								



**Technische Richtlinien / Technical guidelines**

aktuellen Stand beachten / take note of current status

Nr. / No.	Benennung / Description
F-TG-V-6.2e	Cleaning_of_Standard_Vacuum_Components

Kanten ISO 13715  $\sqrt{+0.3}$   $\sqrt{-0.1}$   $\sqrt{-0.3}$  folierte Oberfläche frei von Kratzern und Riefen laminated surface without scratches  $\sqrt{6,3}$

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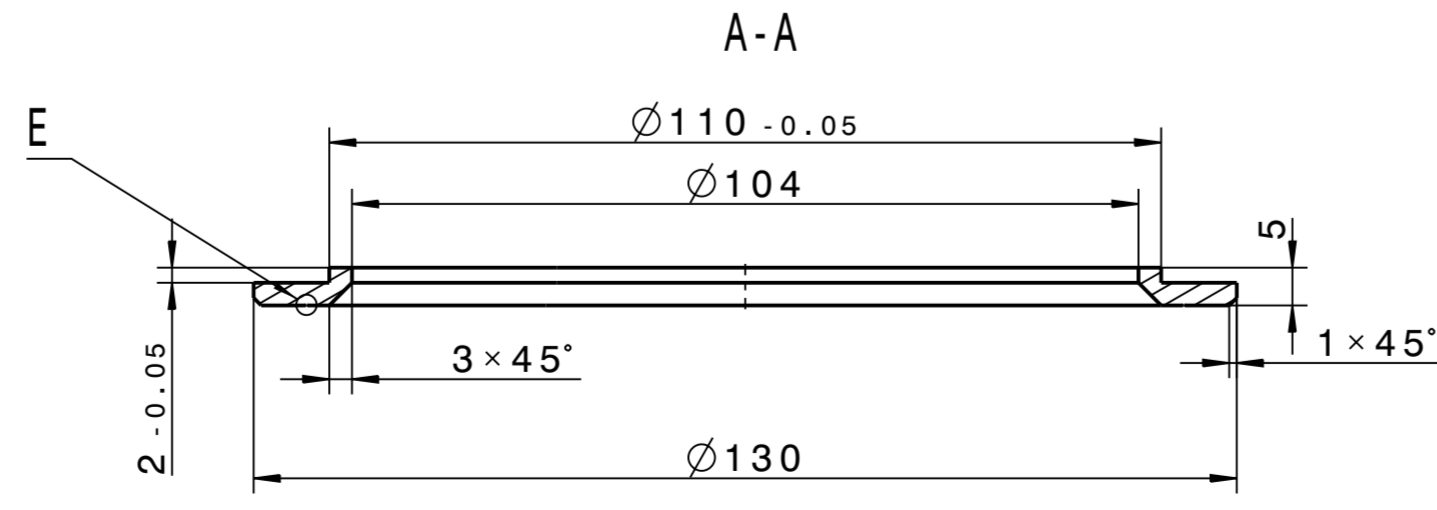
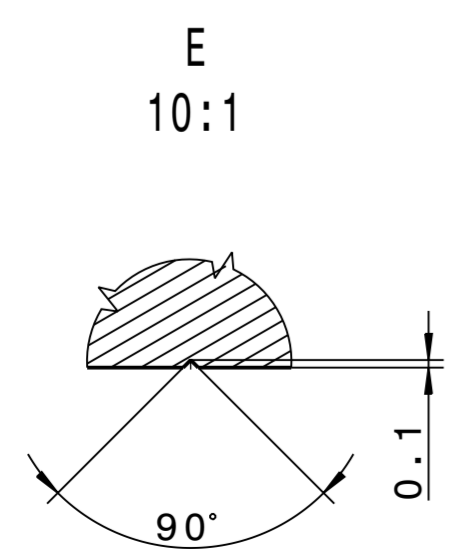
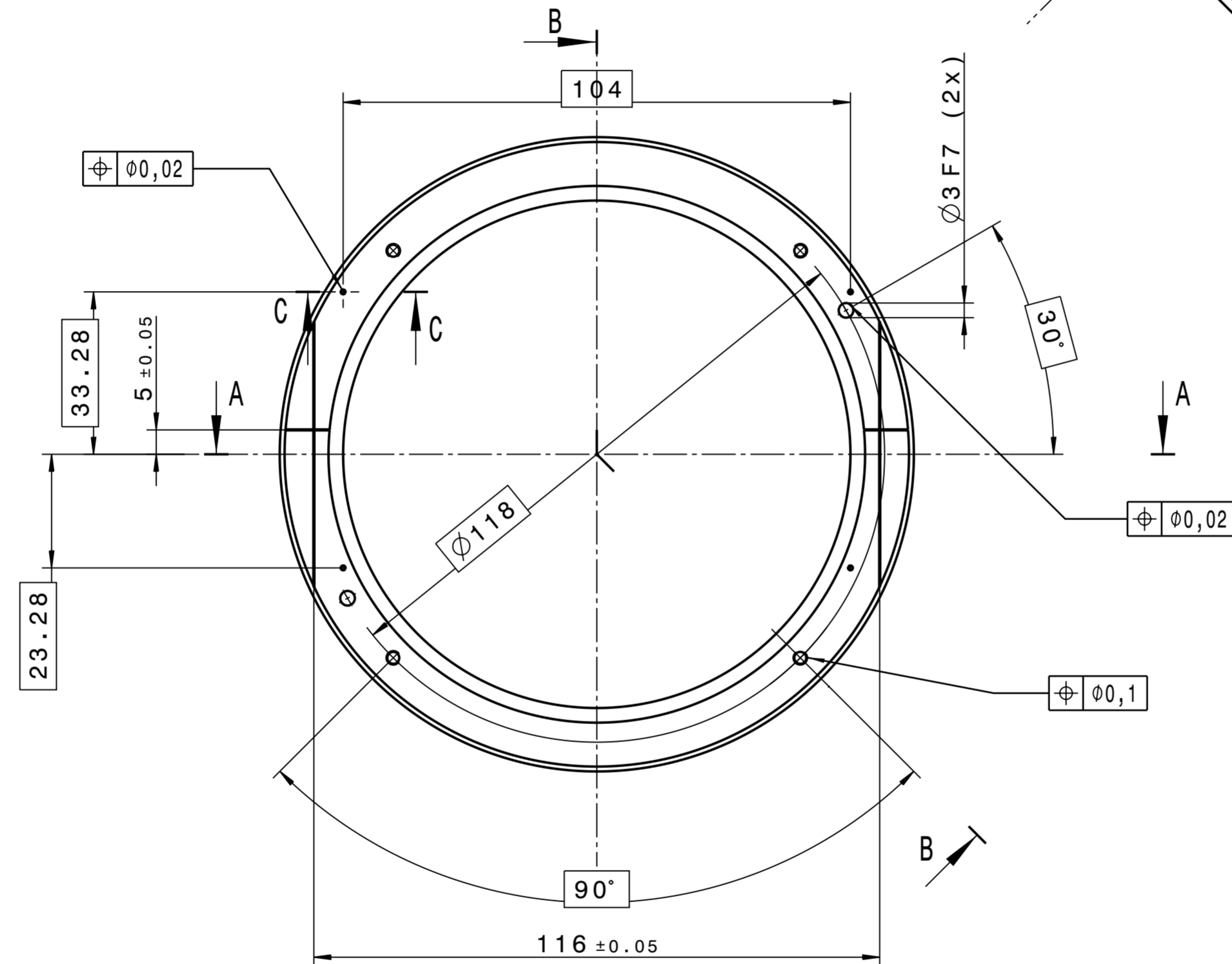
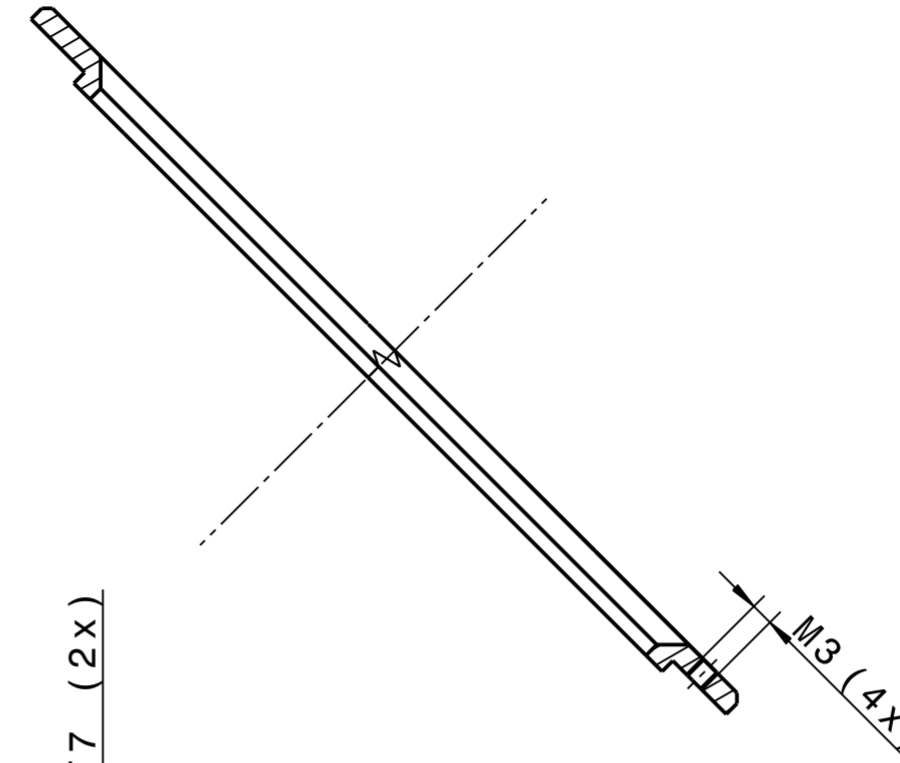
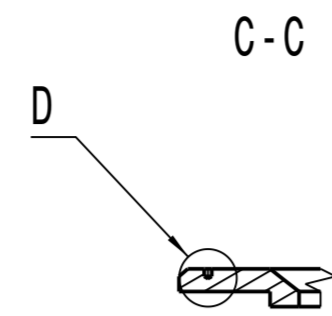
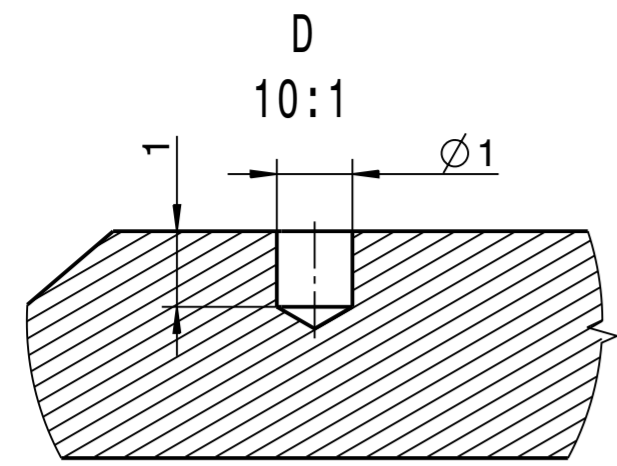
Projection	Rev. No.	Rev.-Doc.-No.	Date	Name
	-			
Surfaces	DIN ISO 1302			
Dimensions without tolerance indication	Weight	0,075 kg	Scale	
	Material	1.4301 (X5CrNi18-10)	1:1	
Date		Name		Description
Drawn	26.05.2014	Hartung, M.		
Checked				
Approved		Drawing No.		Rev.
		BD-1014790-P-000		-
Sheet 1 of 1		Repl. for		

KF

Prev. Dwg.

Repl. for



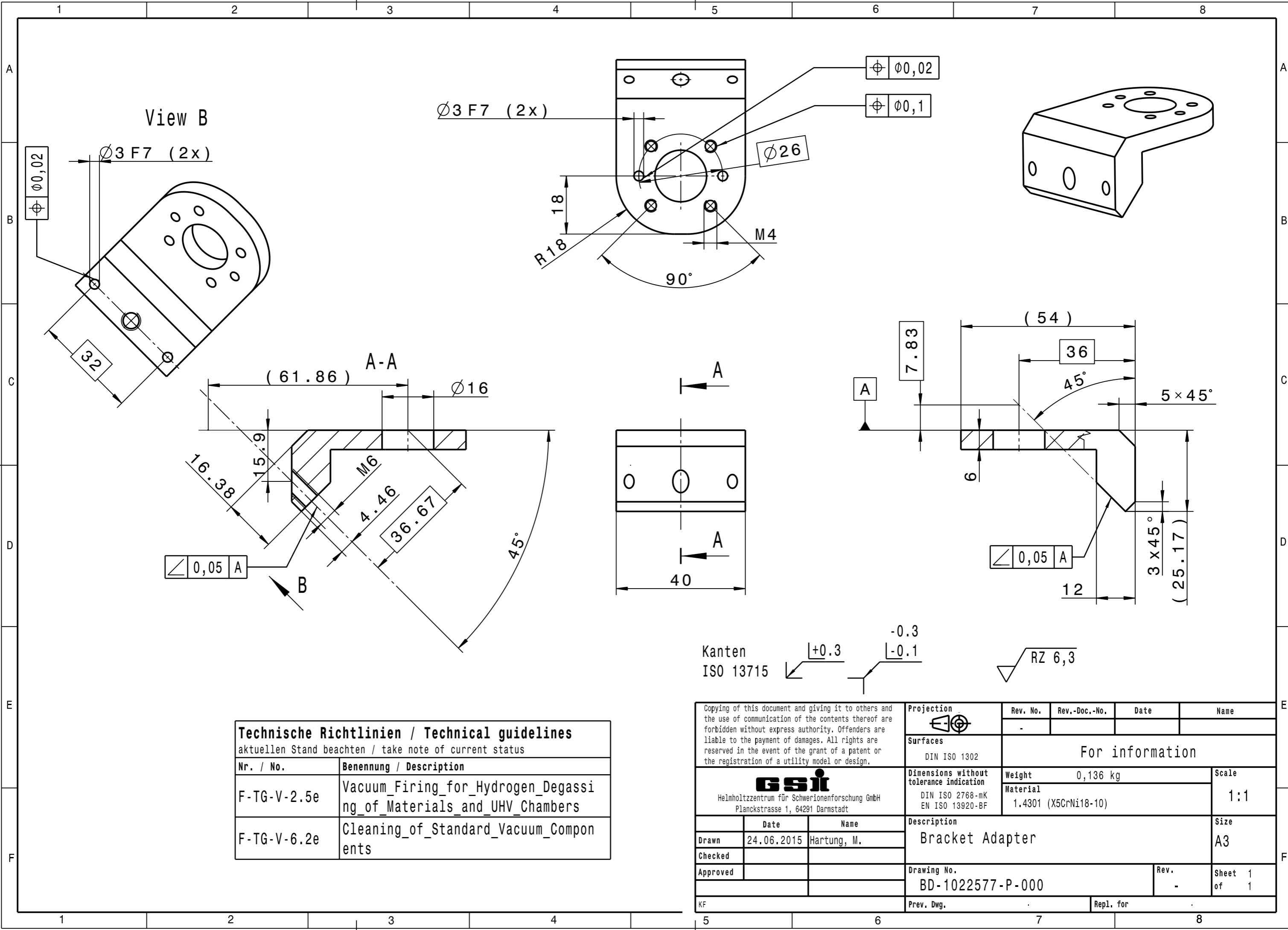


Technische Richtlinien / Technical guidelines	
aktuellen Stand beachten / take note of current status	
Nr. / No.	Benennung / Description
F-TG-V-2.5e	Vacuum_Firing_for_Hydrogen_Degassi ng_of_Materials_and_UHV_Chamb ers
F-TG-V-6.2e	Cleaning_of_Standard_Vacuum_Comp onents

\* Alternativ kann ESU-Material verwendet werden.  
Dann entfällt F-TG-V-2.5e.  
Alternative to this ESU-material can be used.  
In this case F-TG-V-2.5e is not to apply.

Kanten ISO 13715  $\begin{matrix} +0.3 \\ -0.1 \end{matrix}$  RZ 6,3

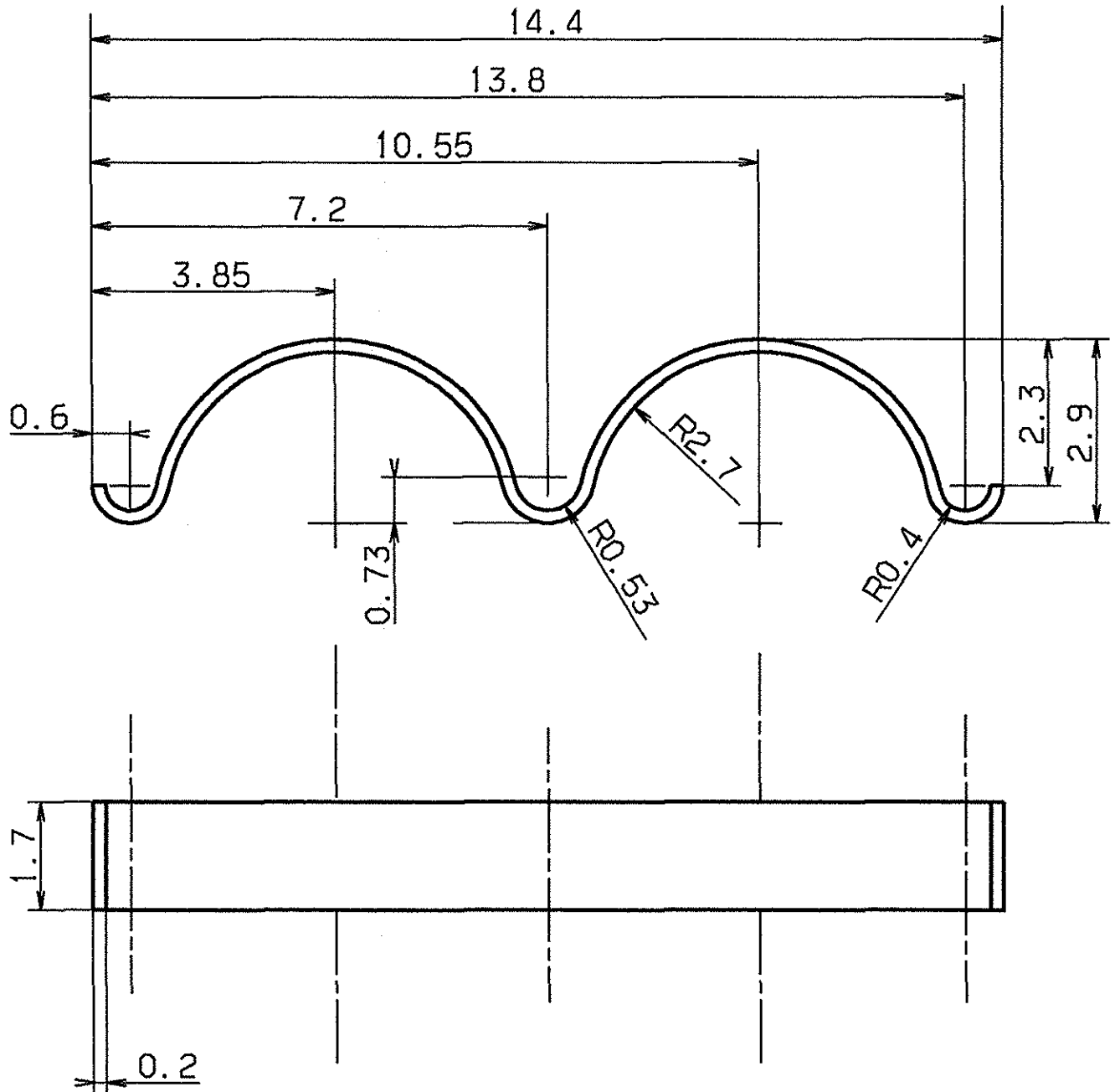
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<b>gsit</b> Helmholtzzentrum für Schwerionenforschung GmbH Planckstrasse 1, 64291 Darmstadt			For information			
			Dimensions without tolerance indication	Weight	0,100 kg	Scale
		DIN ISO 1302	Material		1.4301 (X5CrNi18-10) *	Size
		DIN ISO 2768-mK				A2
		EN ISO 13920-BF				
Drawn	Date	Name	Description			
Checked	23.06.2014	Dorn, C.	Holder Upper Part			
Approved			Drawing No.	Rev.	Sheet	
			BD-1015135-P-000	-	1 of 1	
KF	Prev. Dwg.		Repl. for			



Technische Richtlinien / Technical guidelines	
aktuellen Stand beachten / take note of current status	
Nr. / No.	Benennung / Description
F-TG-V-2.5e	Vacuum_Firing_for_Hydrogen_Degassing_of_Materials_and_UHV_Chambers
F-TG-V-6.2e	Cleaning_of_Standard_Vacuum_Components

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			-			
<b>GSIT</b> Helmholtzzentrum für Schwerionenforschung GmbH Planckstrasse 1, 64291 Darmstadt		Surfaces	For information			
		DIN ISO 1302 Dimensions without tolerance indication DIN ISO 2768-mK EN ISO 13920-BF	Weight	0,136 kg	Scale	1:1
Drawn Checked Approved	Date 24.06.2015 Name Hartung, M.	Description	Bracket Adapter			Size
		Drawing No.	BD-1022577-P-000		Rev.	Sheet 1 of 1
KF		Prev. Dwg.			Repl. for	

M1:1



Wärmebehandlung: 4 Stunden bei 650 °C in Vakuumofen glühen

Fall der Patent- oder Gebrauchsmustererteilung ohne unsere vorherige Zustimmung darf diese Zeichnung weder vervielfältigt noch Dritten zugänglich gemacht werden; sie darf durch den Empfänger oder Dritte auch nicht in anderer Weise missbräuchlich verwendet werden. Zusätzlichen Handlungen verpflichten zu Schadenersatz und können strafrechtliche Folgen haben.

VERGLEICH DER OBERFLÄCHENGÜTEN DIN ISO 1302				FREI-MASS-TOLERANZEN DIN 7168-m	GEWICHT KG / STÜCK	WERKSTOFF Duratherm 600 halbhart	MESSSTAB 10:1 (1:1)
RA (UM)	12.5	3.2	0.8				
	N10	N6	N3	N3			
RZ (UM)	RZ100	RZ25	RZ6.3	RZ T			
DIN 3141 REIHE 2				1995	TAG	NAME	BLATT-NR
~	∇	∇∇	∇∇∇	BEARB.	02.8.	Weinreiter	1
				GEPR.			BLATTANZAHL
				NORM			1
AUSGABE	ÄNDERUNG	TAG	NAME	GSI DARMSTADT		T-DT 060.000.020	
				ERSATZ FÜR:			
				ERSETZT DURCH:			

MWF SVP 02 08 95 MARKT 060 000 020 / FEDER  
 CATT IFRING02 MARKT 060 000 020 / FEDER