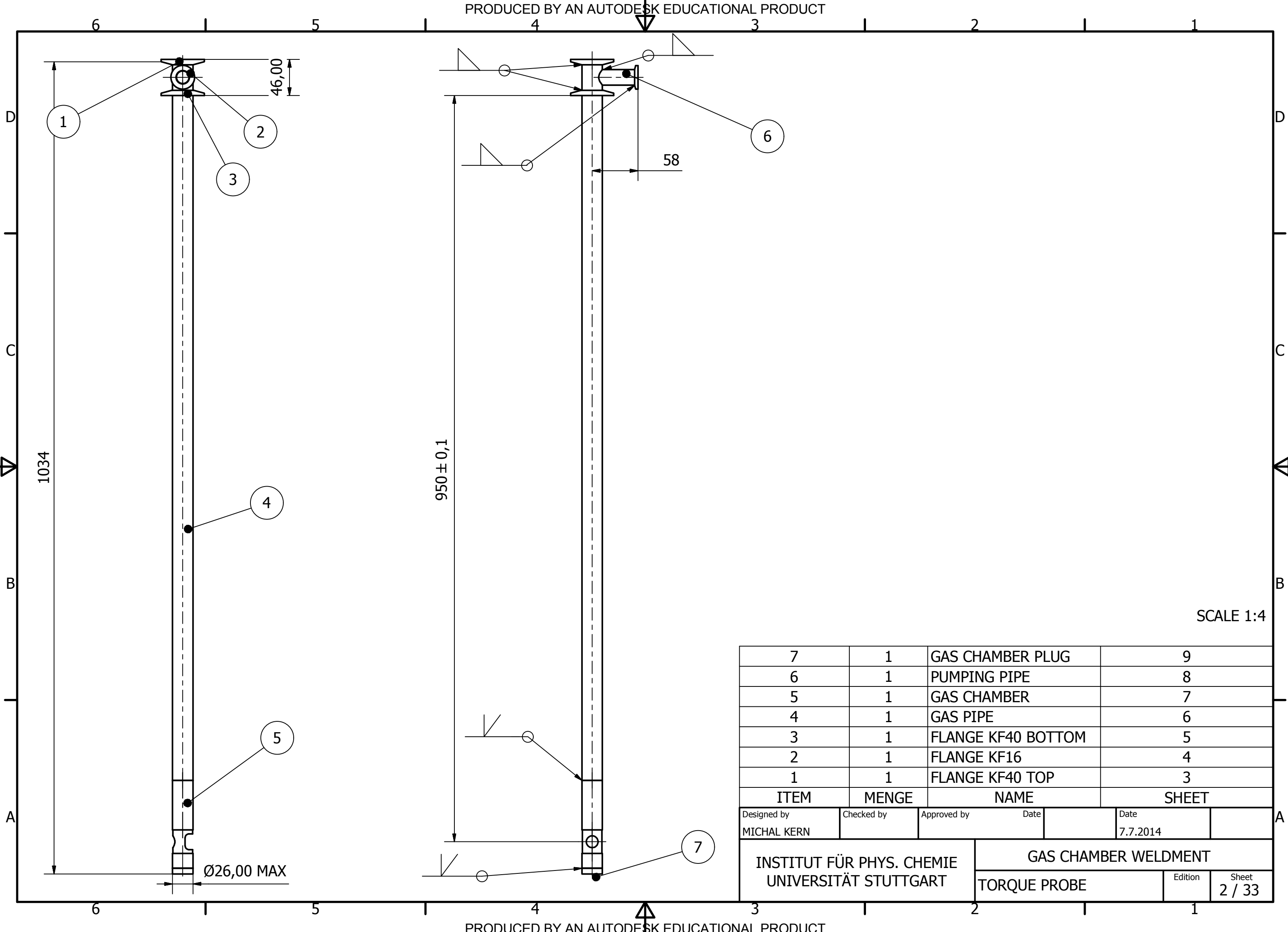
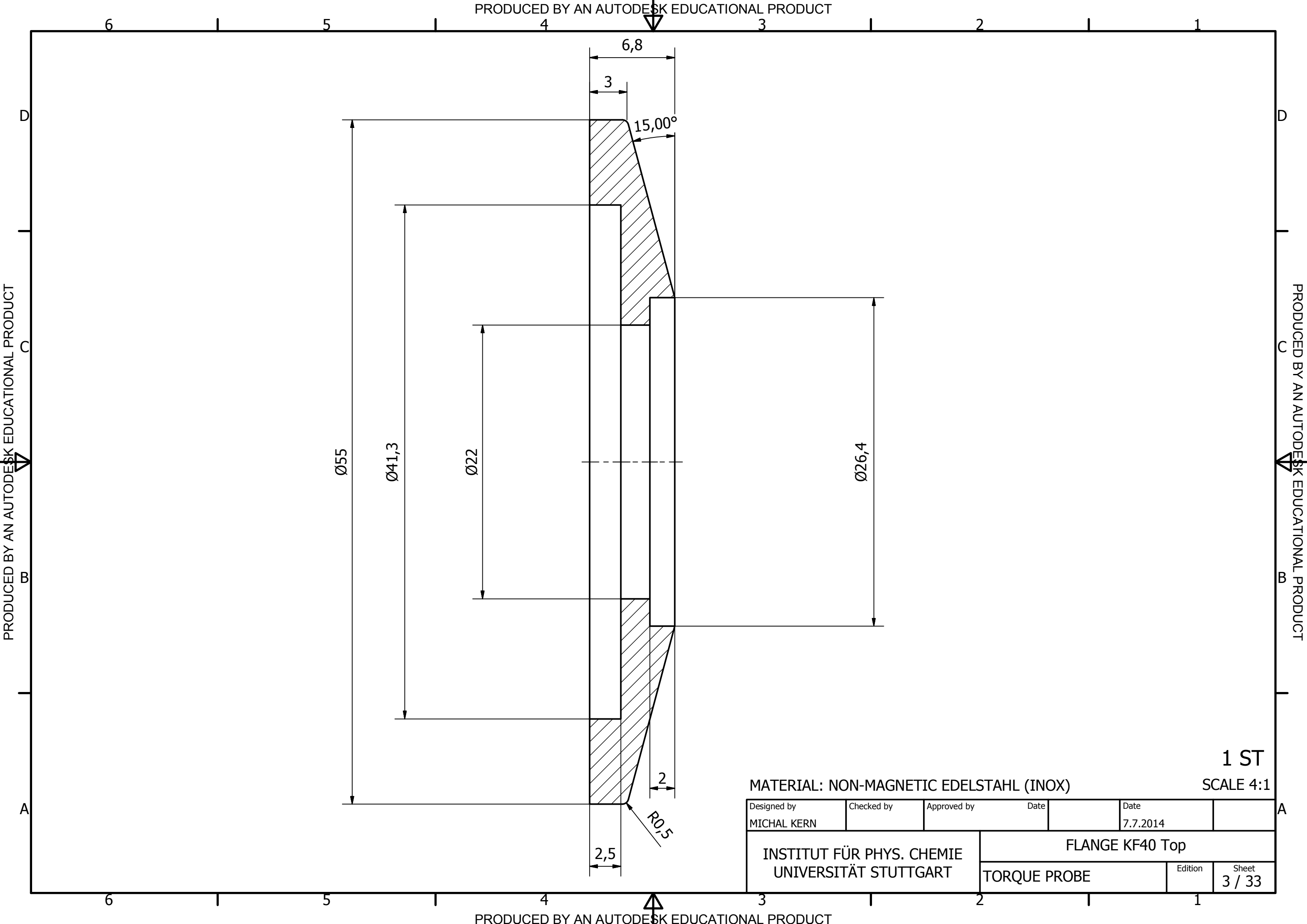
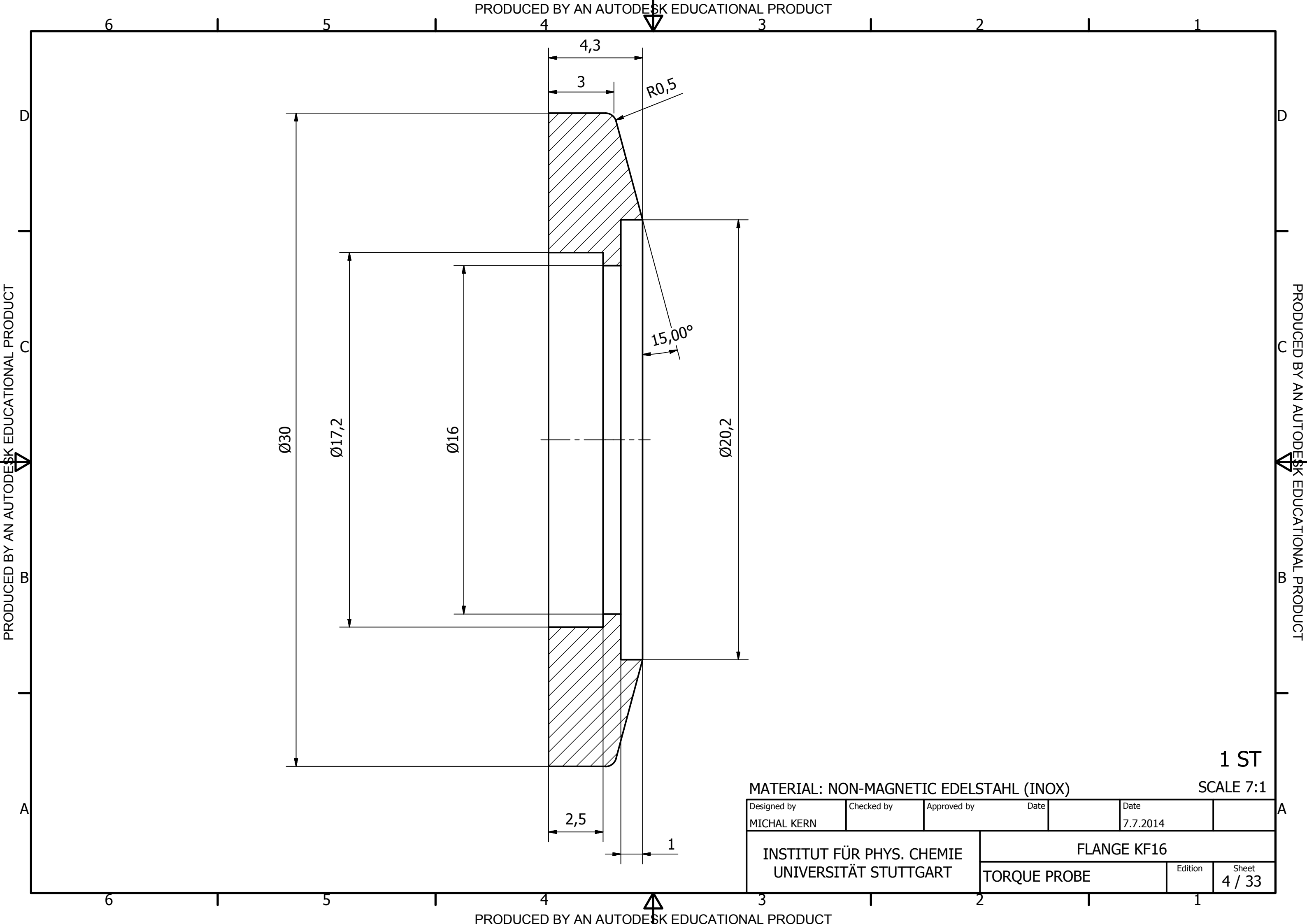
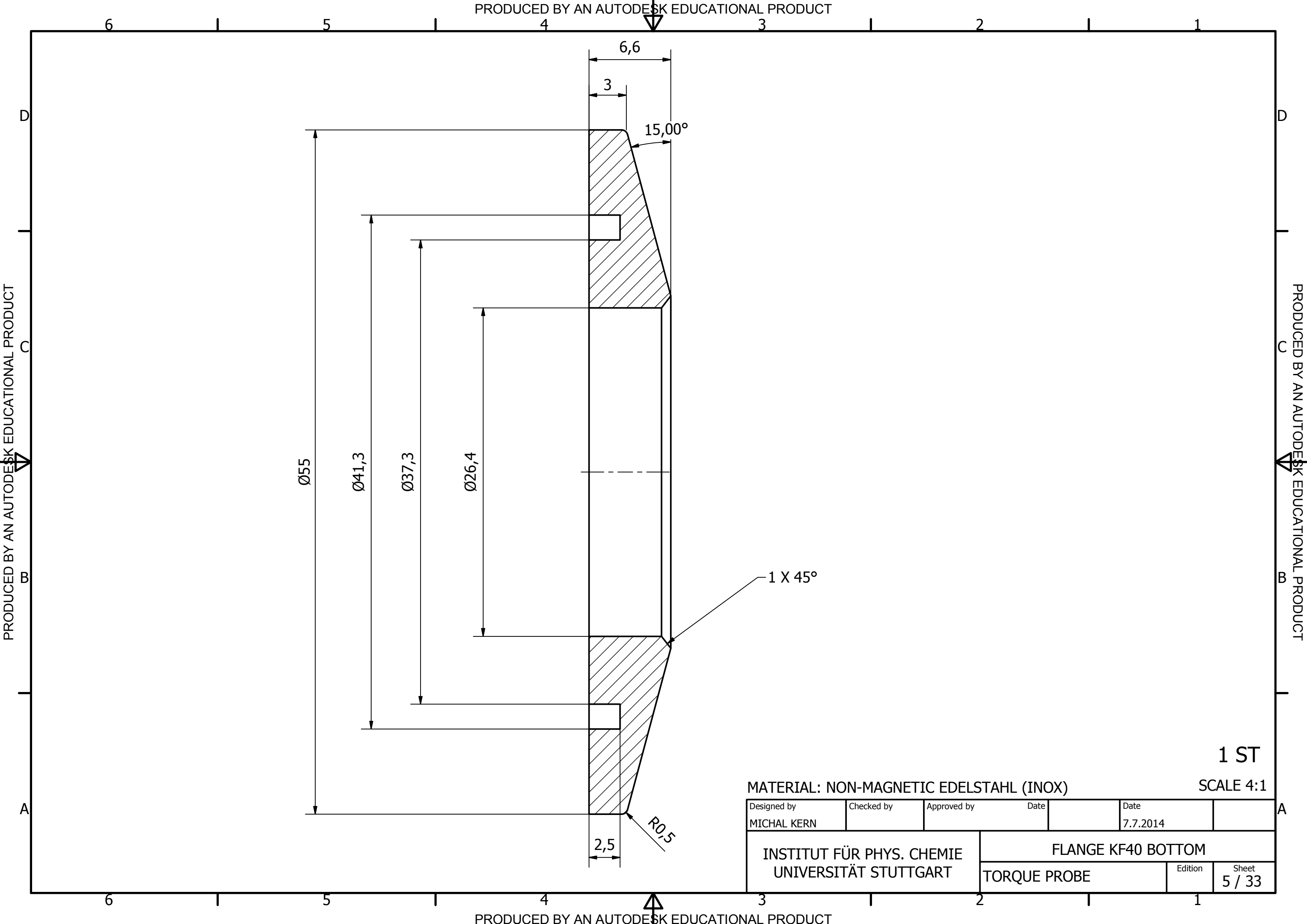


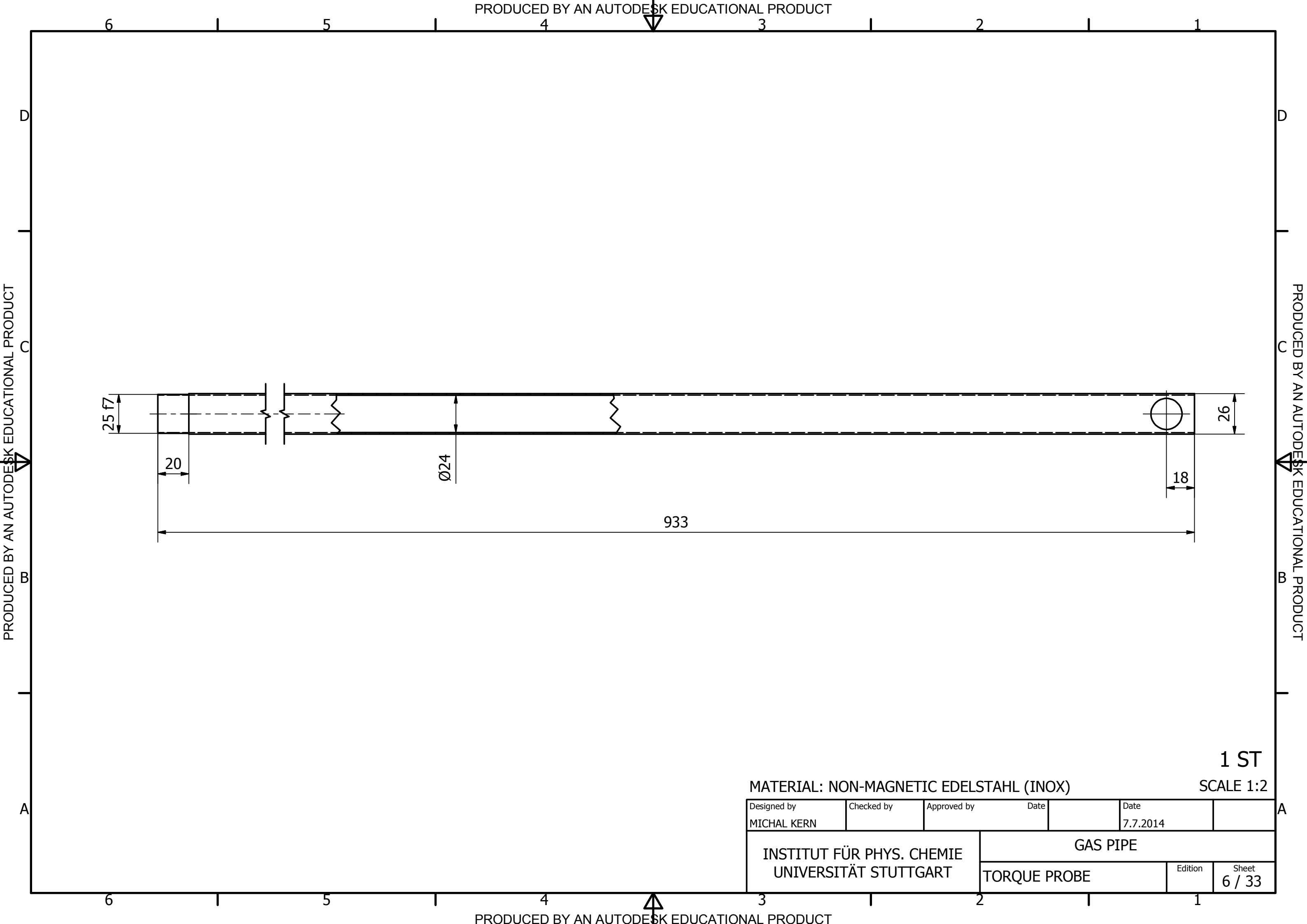
2	1	GAS CHAMBER WELDMENT		2
1	1	INNER ASSEMBLY		10
ITEM	MENGE	NAME		SHEET
Designed by MICHAL KERN		Checked by	Approved by	Date 7.7.2014
INSTITUT FÜR PHYS. CHEMIE UNIVERSITÄT STUTTGART			TORQUE PROBE ASSEMBLY	
			TORQUE PROBE	Edition Sheet 1 / 33

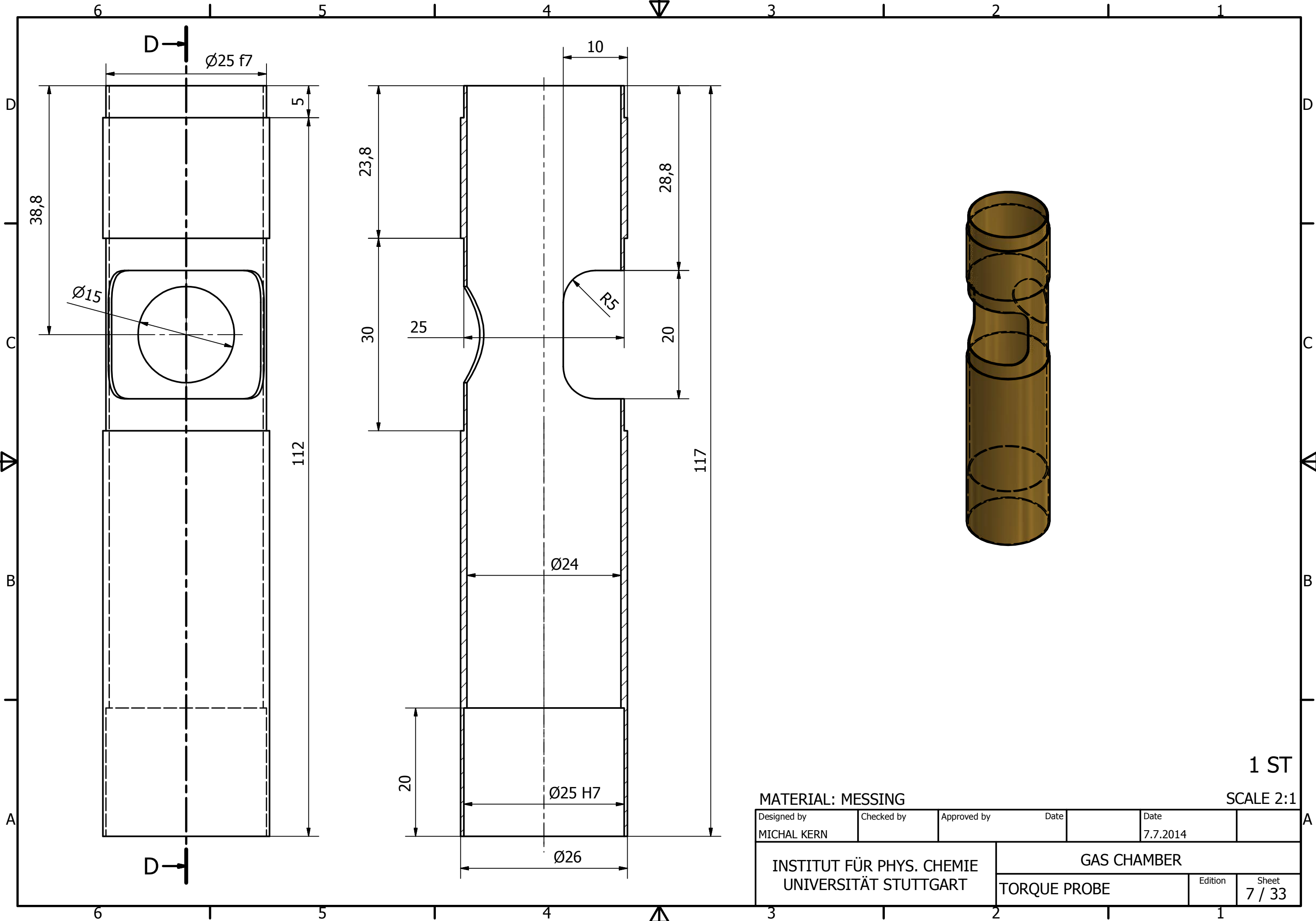


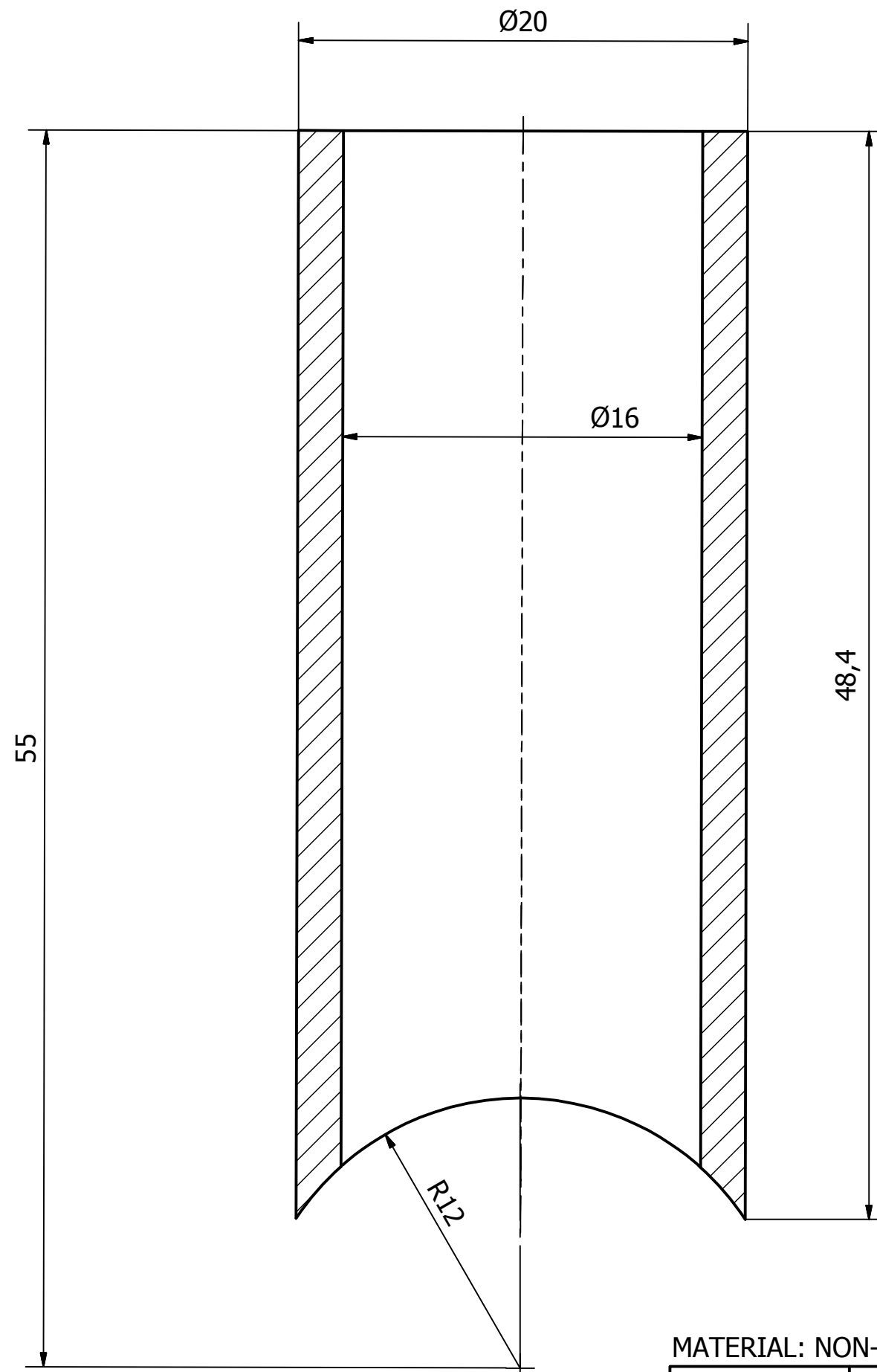












MATERIAL: NON-MAGNETIC EDELSTAHL (INOX)					SCALE 4:1	
Designed by MICHAL KERN		Checked by	Approved by		Date	
					7.7.2014	
INSTITUT FÜR PHYS. CHEMIE UNIVERSITÄT STUTTGART			PUMPING PIPE			
			TORQUE PROBE			Edition

D

C

B

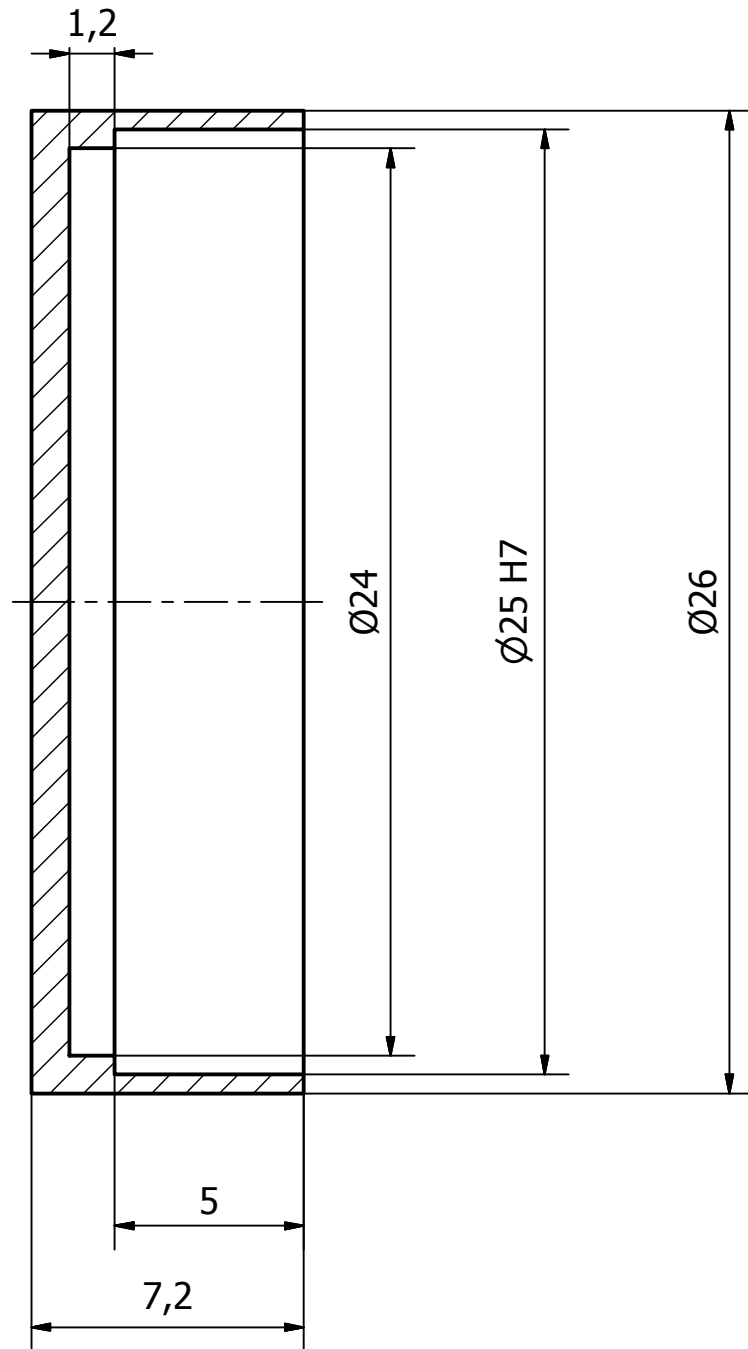
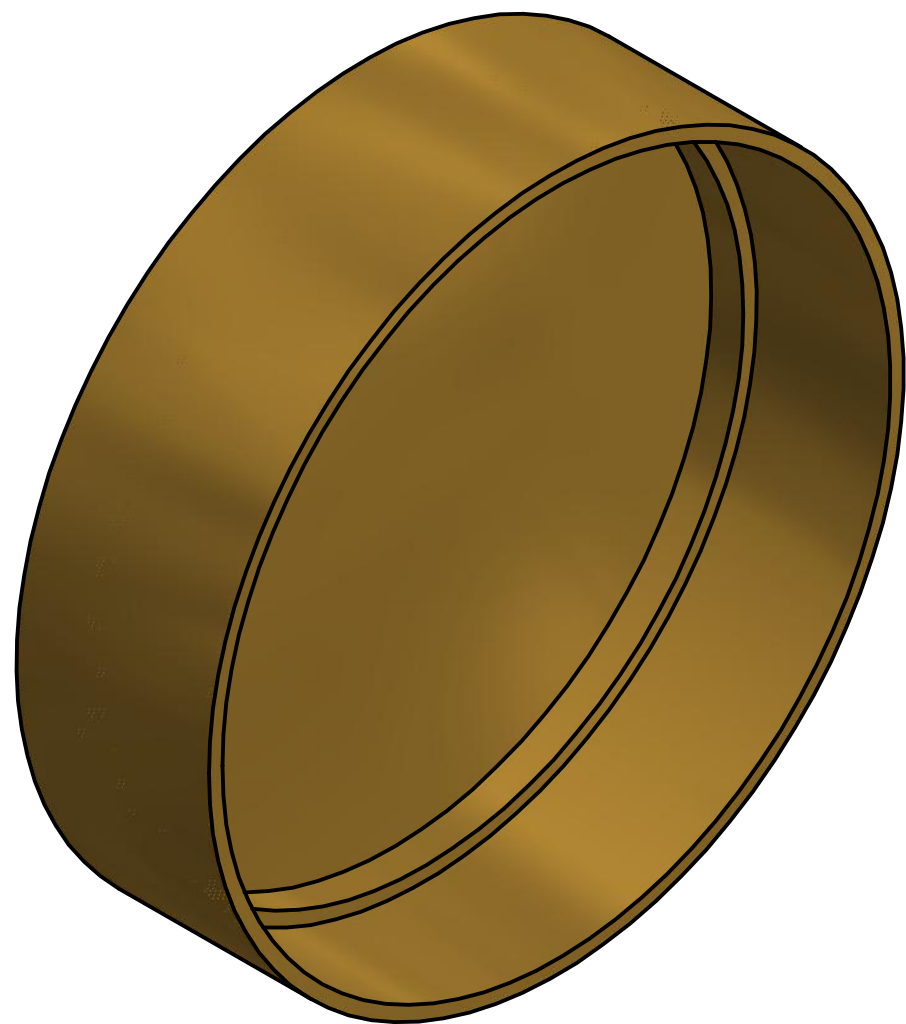
A

D

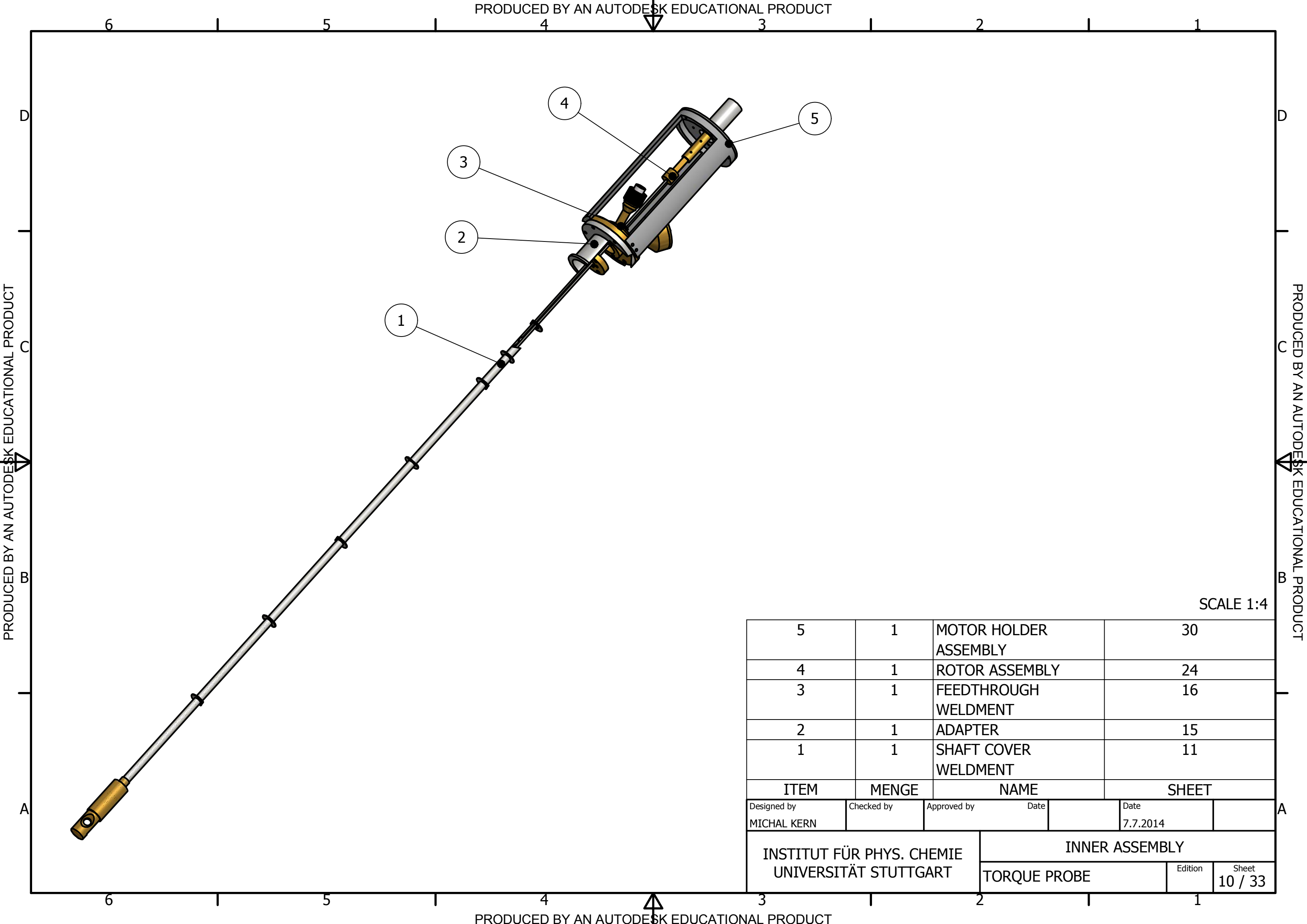
C

B

A

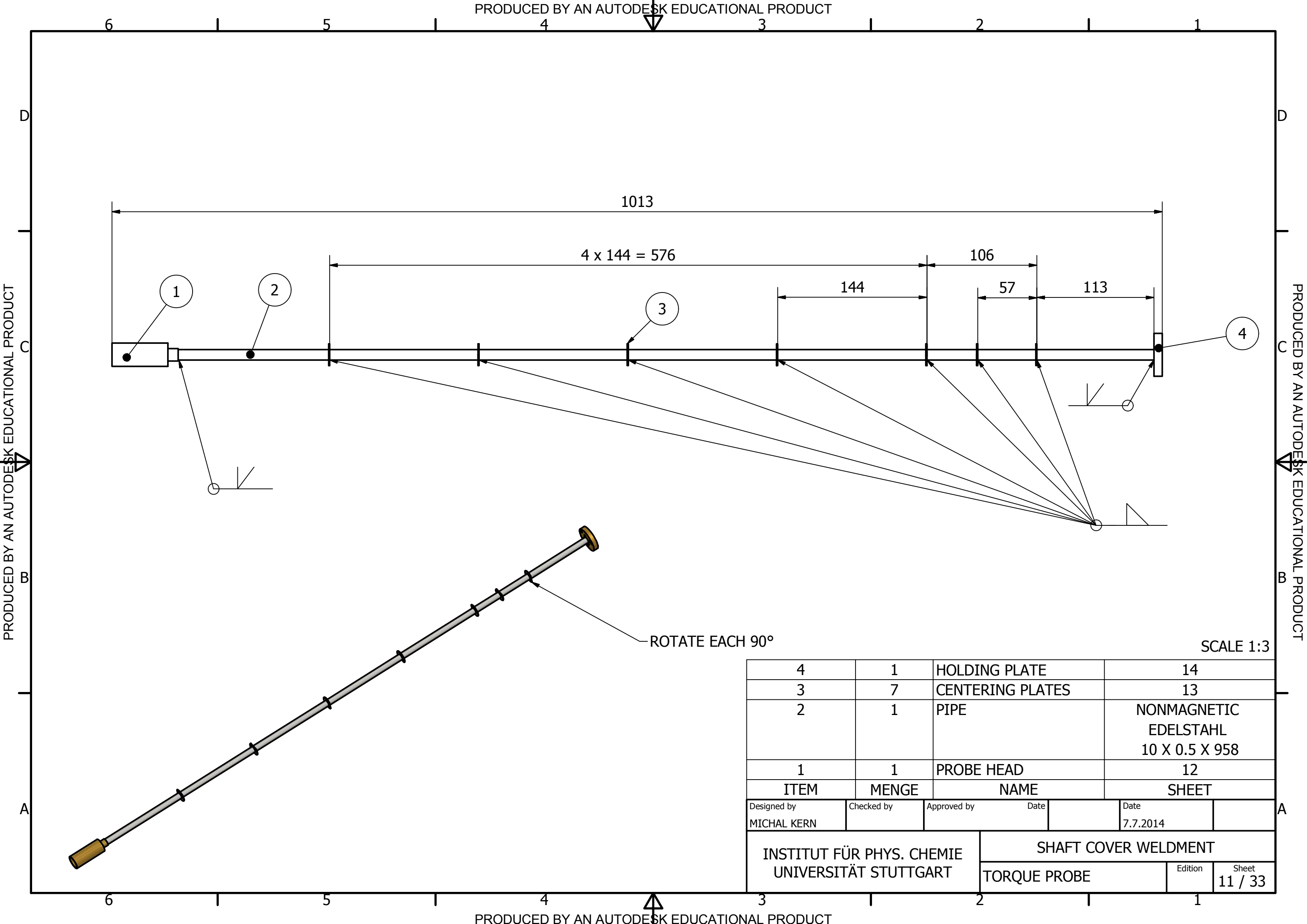


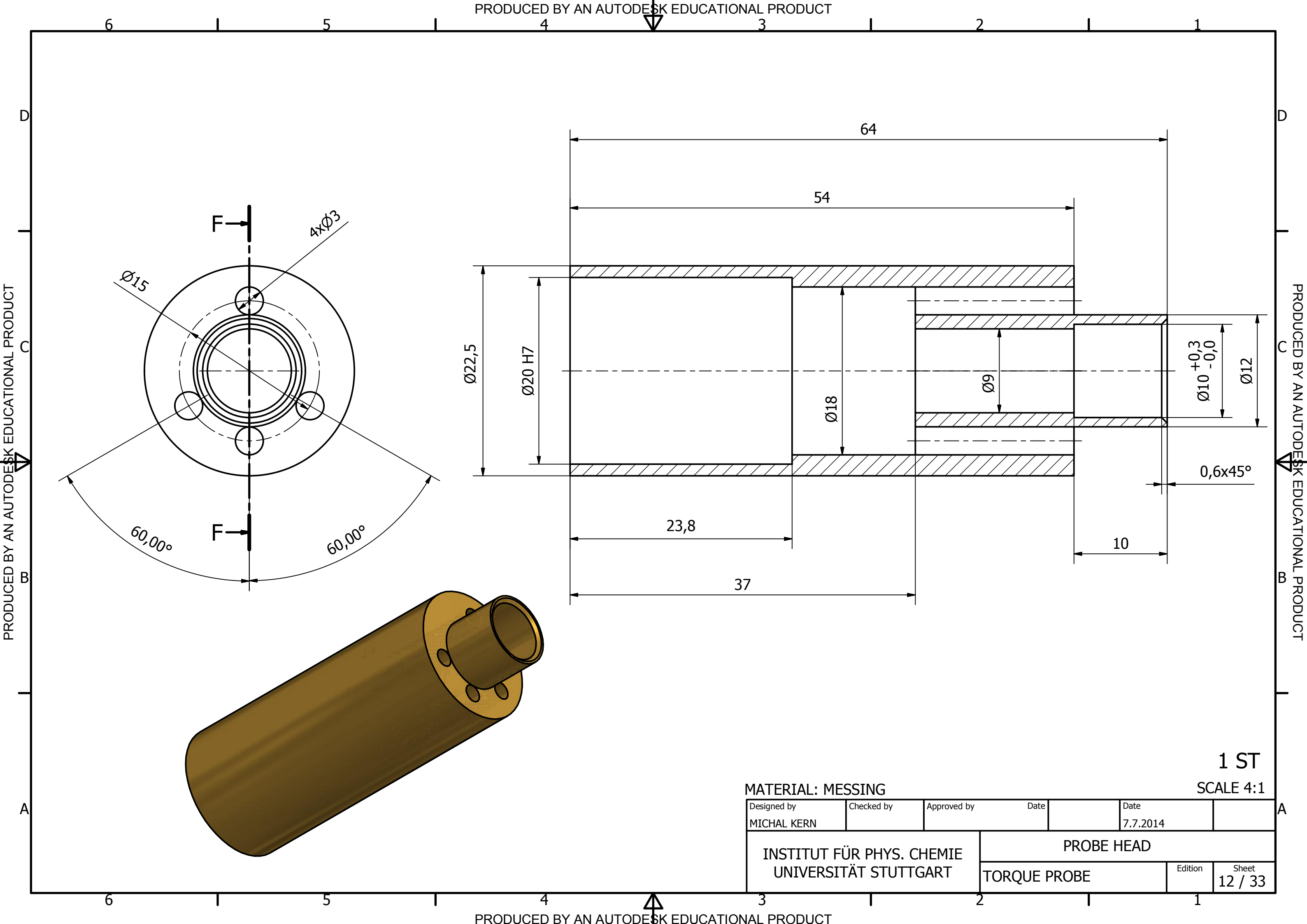
MATERIAL: MESSING					SCALE 5:1	
Designed by	Checked by	Approved by	Date		Date	
MICHAL KERN					7.7.2014	
INSTITUT FÜR PHYS. CHEMIE UNIVERSITÄT STUTTGART			GAS CHAMBER PLUG			
			TORQUE PROBE		Edition	Sheet 9 / 33

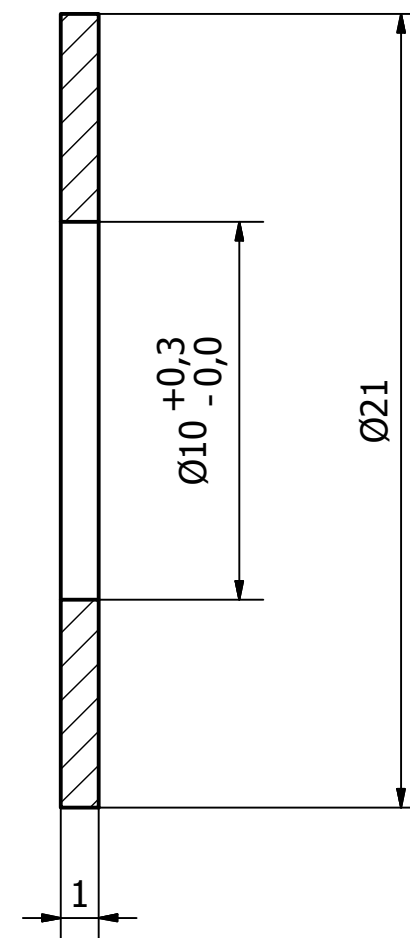
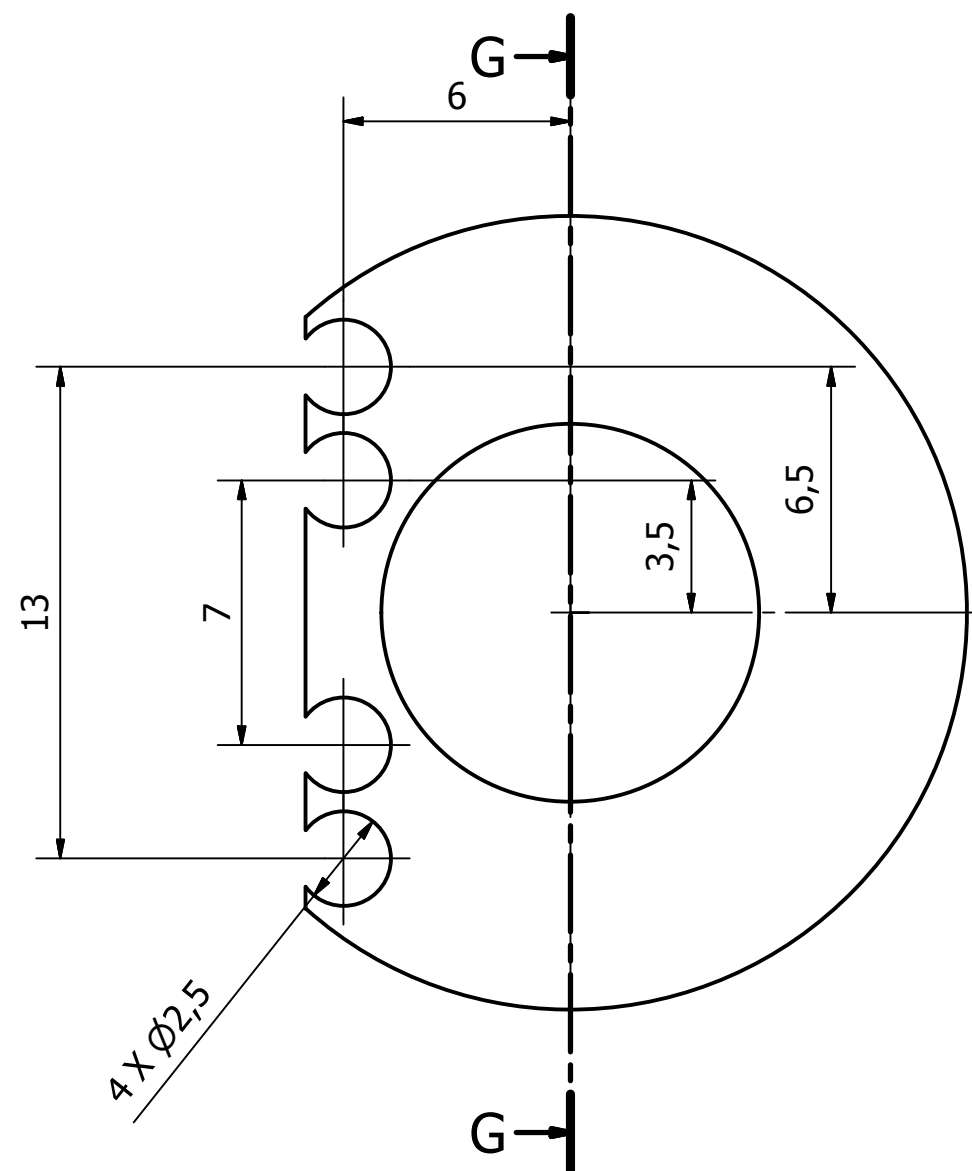
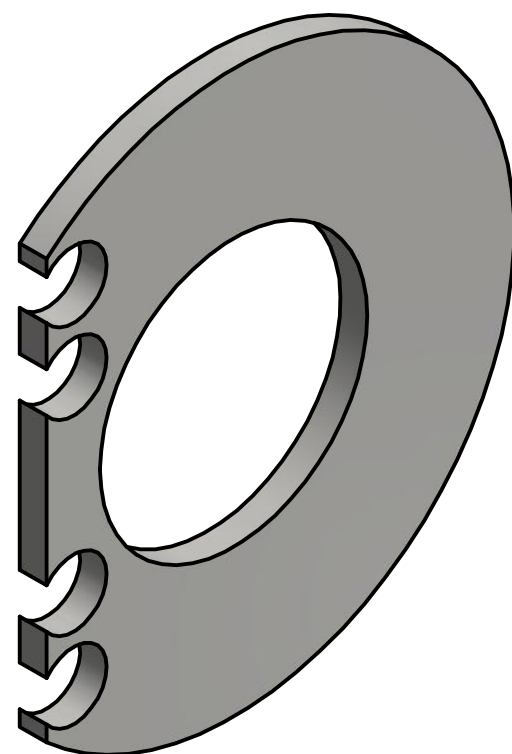


SCALE 1:4

5	1	MOTOR HOLDER ASSEMBLY	30		
4	1	ROTOR ASSEMBLY	24		
3	1	FEEDTHROUGH WELDMENT	16		
2	1	ADAPTER	15		
1	1	SHAFT COVER WELDMENT	11		
ITEM		MENGE	NAME	SHEET	
Designed by MICHAL KERN		Checked by	Approved by	Date 7.7.2014	
INSTITUT FÜR PHYS. CHEMIE UNIVERSITÄT STUTTGART			INNER ASSEMBLY		
			TORQUE PROBE		Edition Sheet 10 / 33







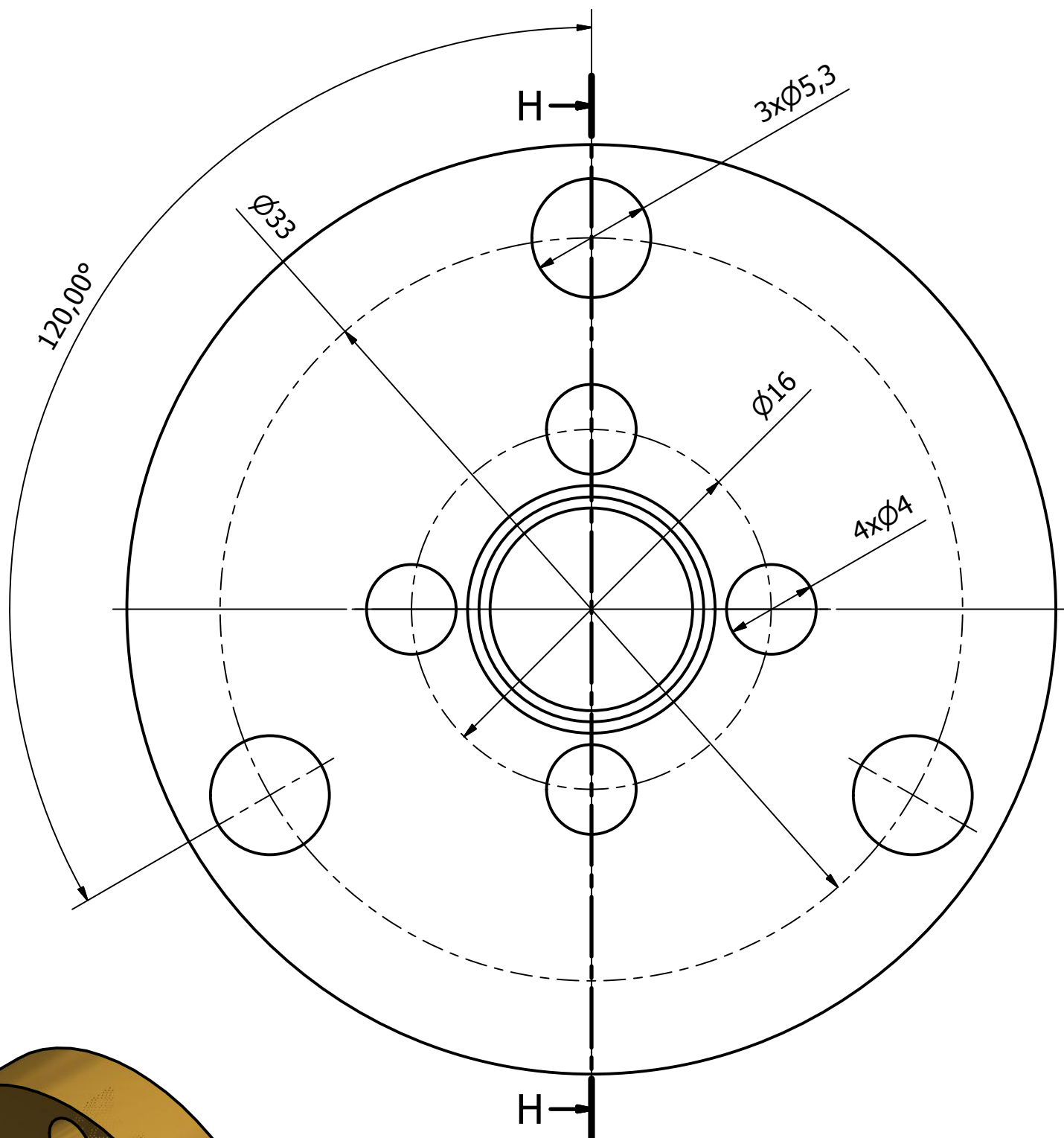
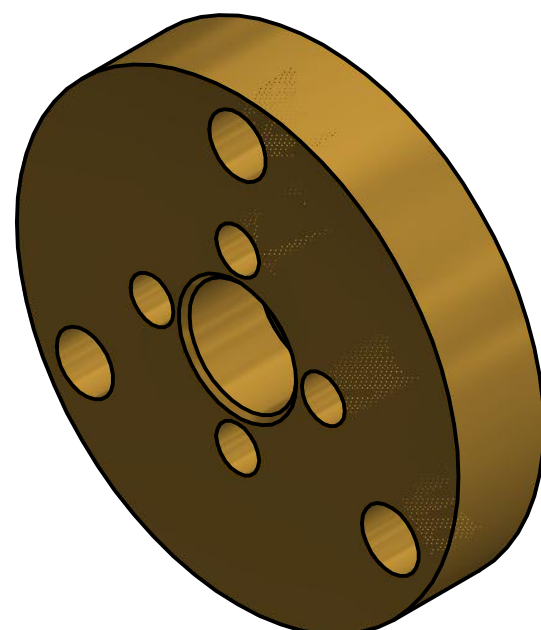
7 ST

SCALE 5:1

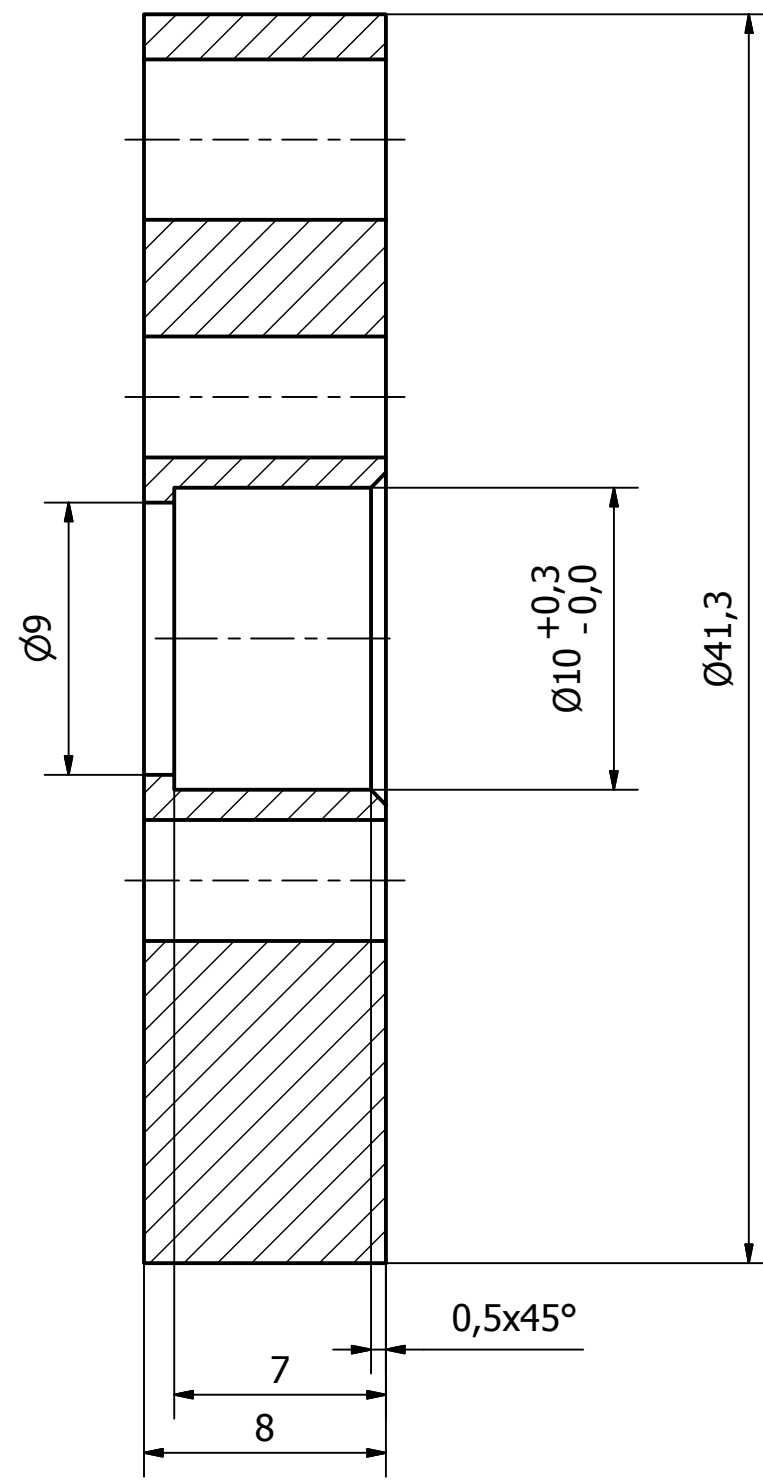
Designed by	Checked by	Approved by	Date	Date	
MICHAL KERN				7.7.2014	
INSTITUT FÜR PHYS. CHEMIE UNIVERSITÄT STUTTGART			CENTERING PLATE		
			TORQUE PROBE	Edition	Sheet 13 / 33

D
C
B
A

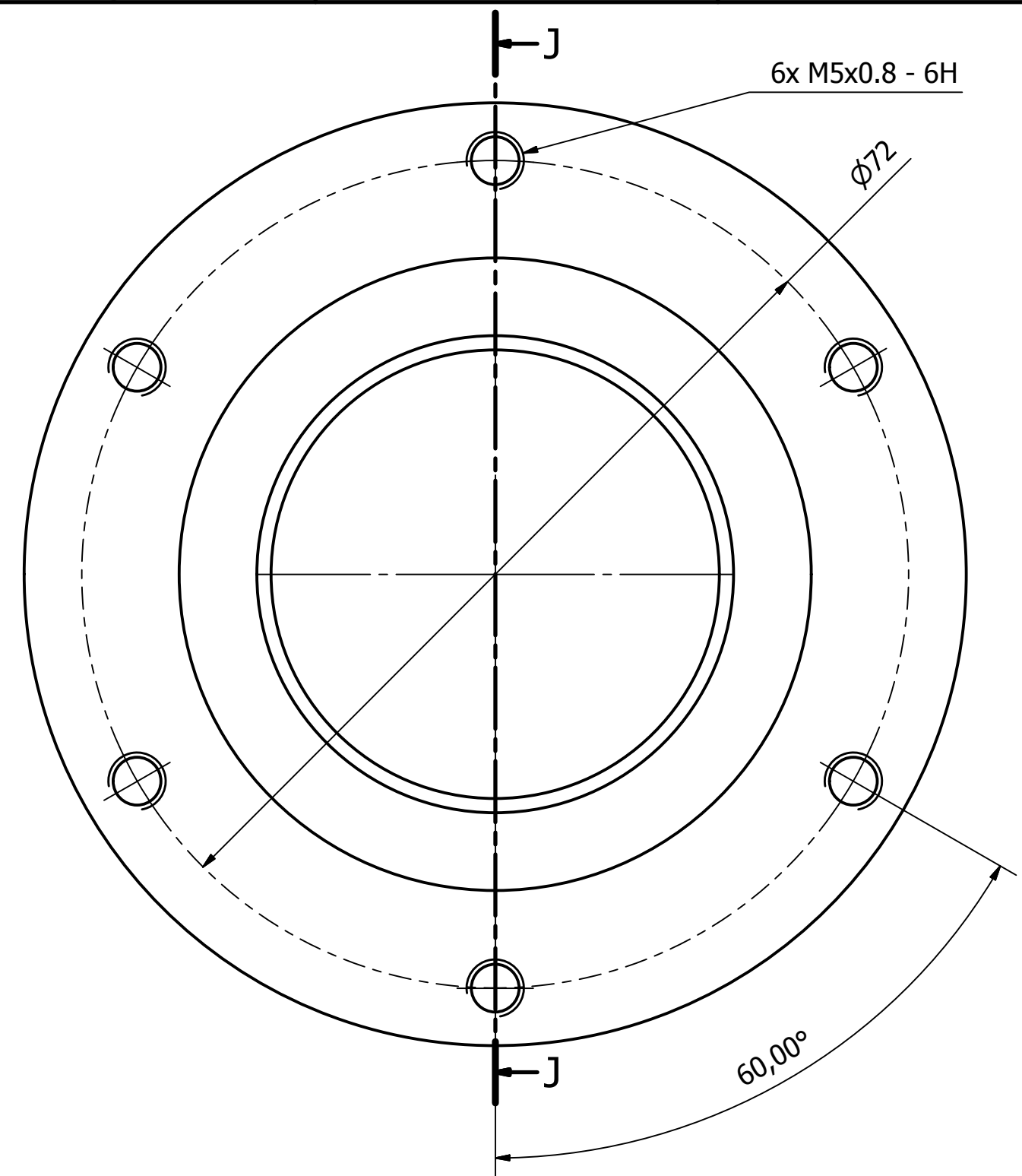
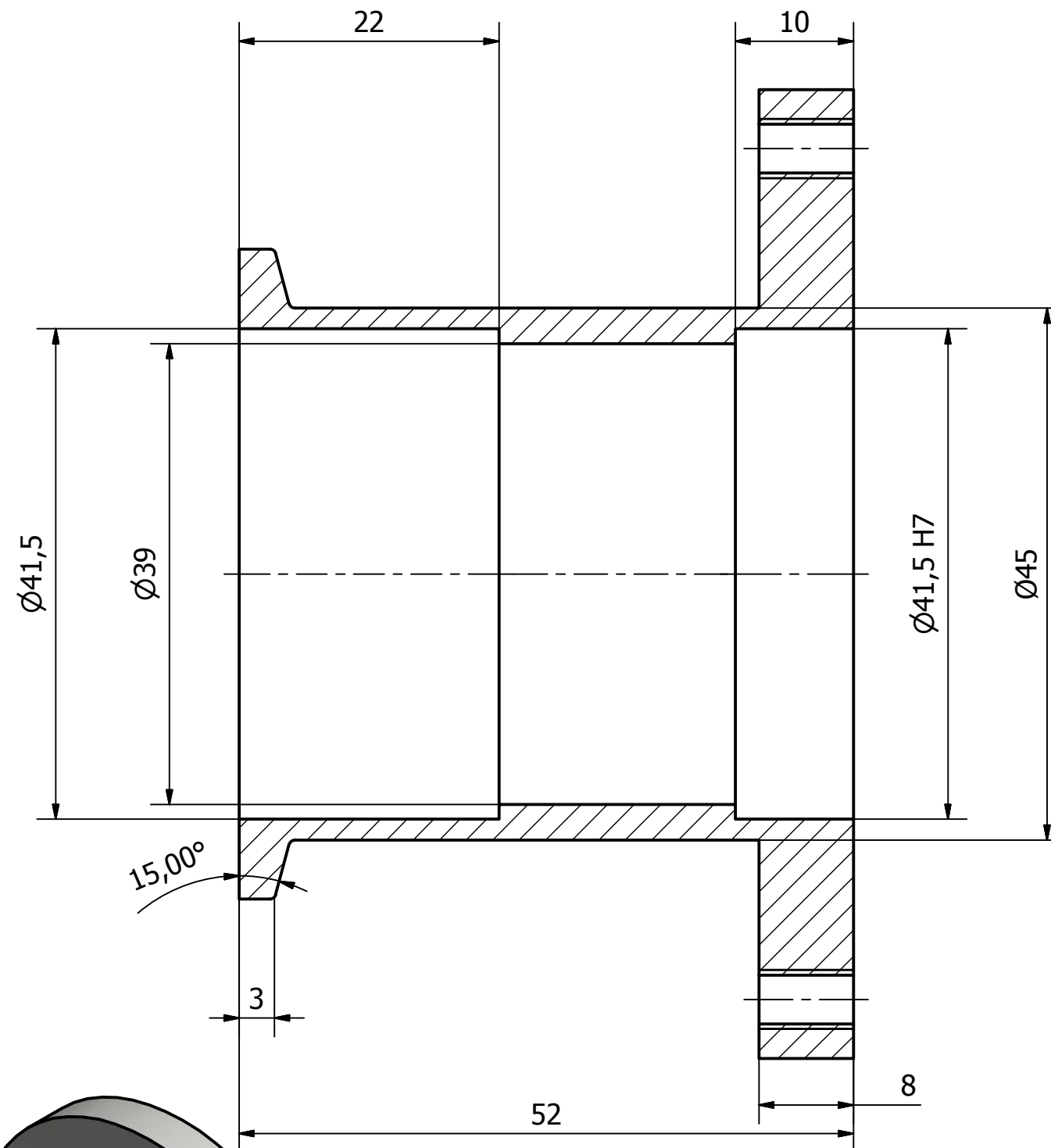
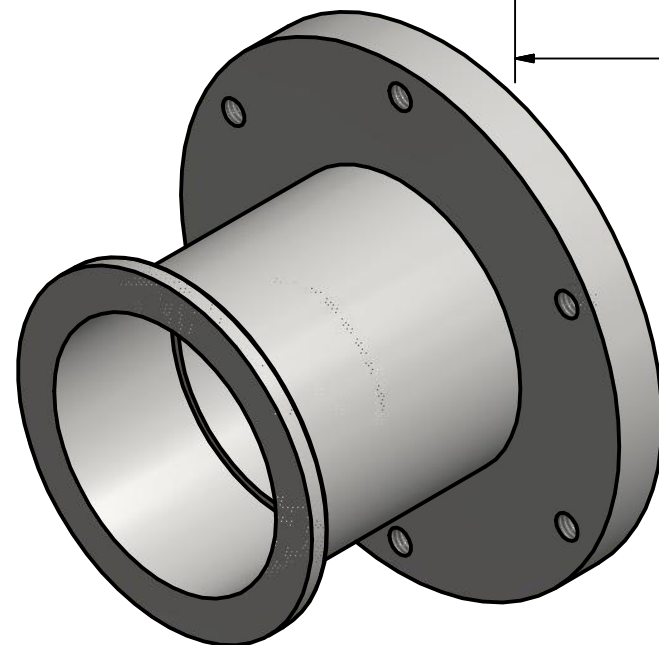
D
C
B
A



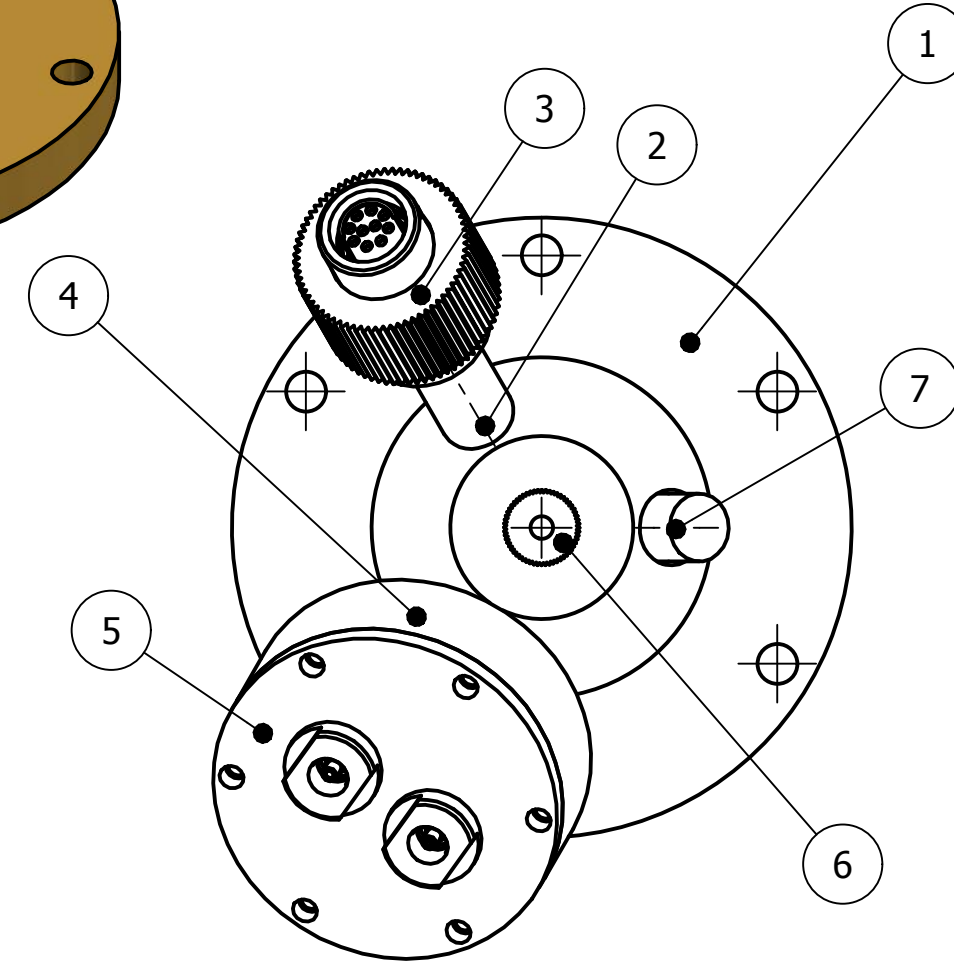
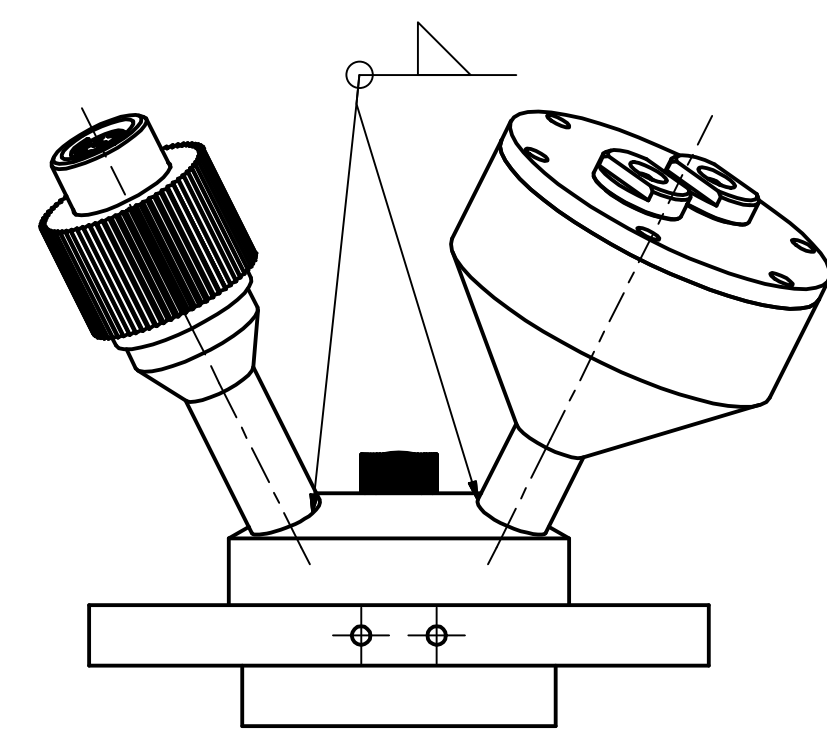
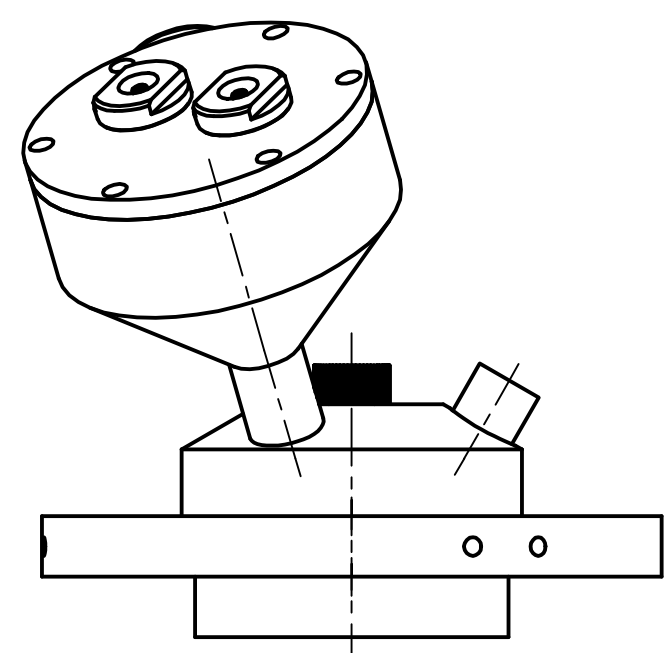
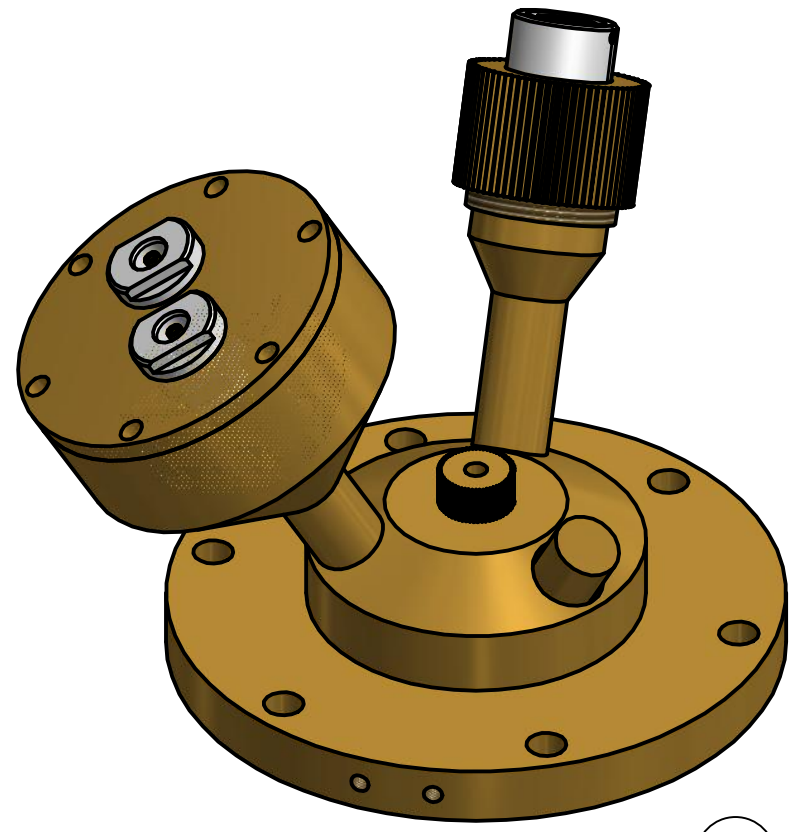
H-H (4: 1)



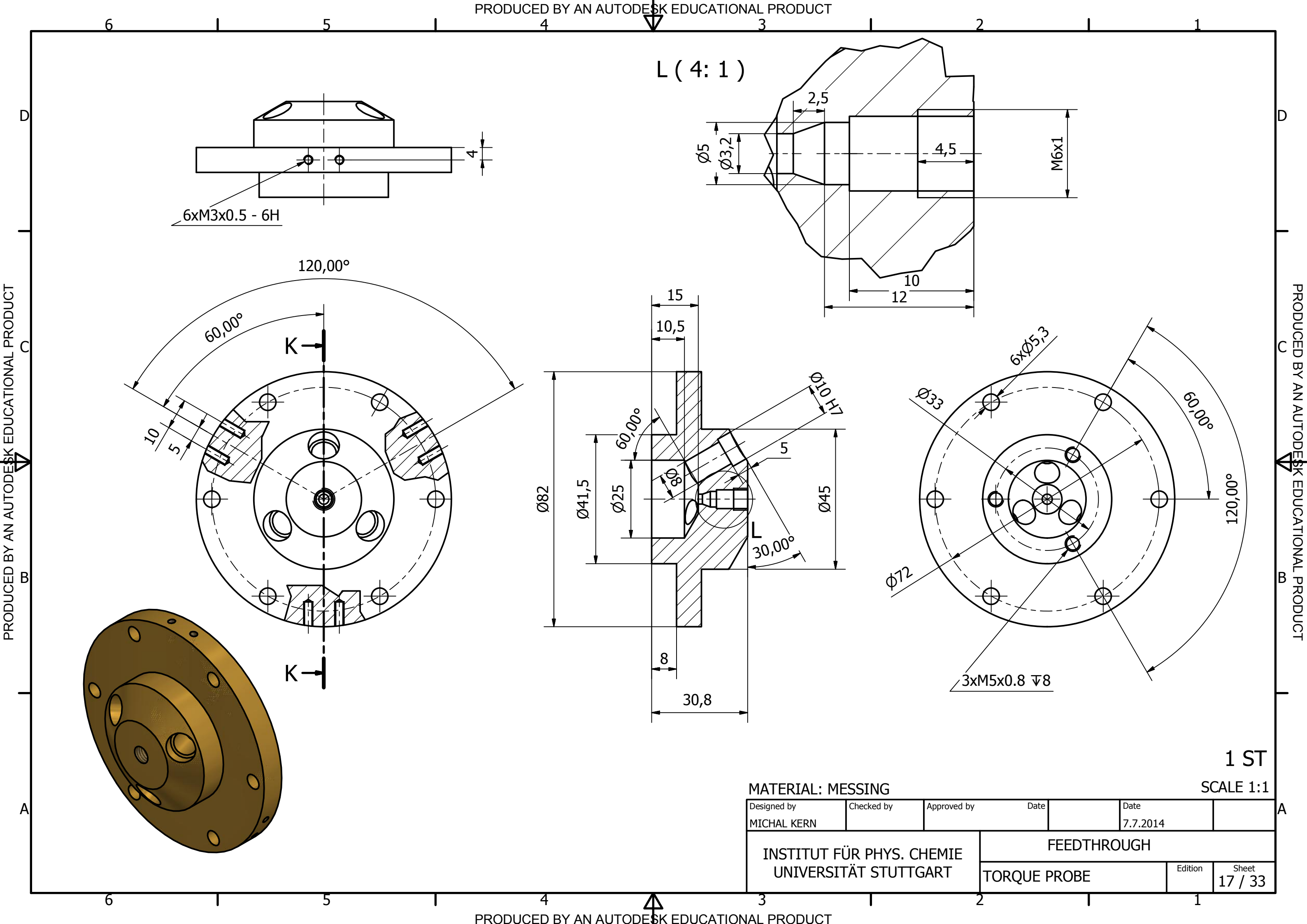
MATERIAL: MESSING					SCALE 4:1	
Designed by	Checked by	Approved by	Date	Date		
MICHAL KERN				7.7.2014		
INSTITUT FÜR PHYS. CHEMIE UNIVERSITÄT STUTTGART			HOLDING PLATE			
			TORQUE PROBE		Edition	Sheet
					14 / 33	

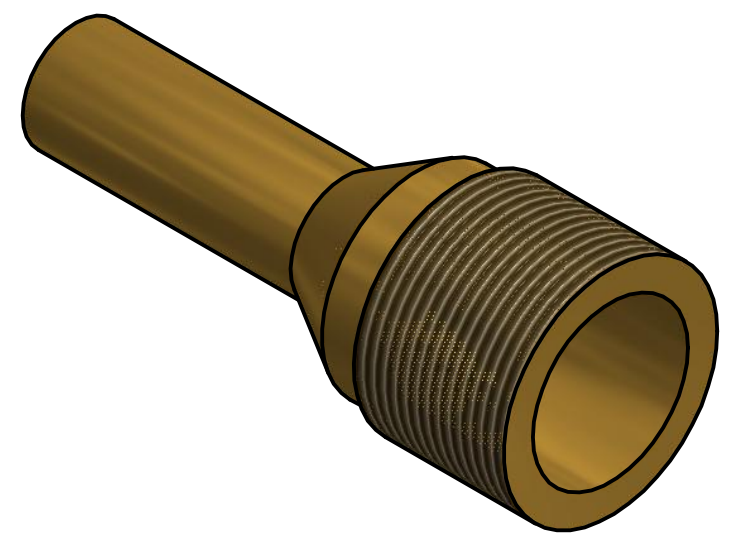
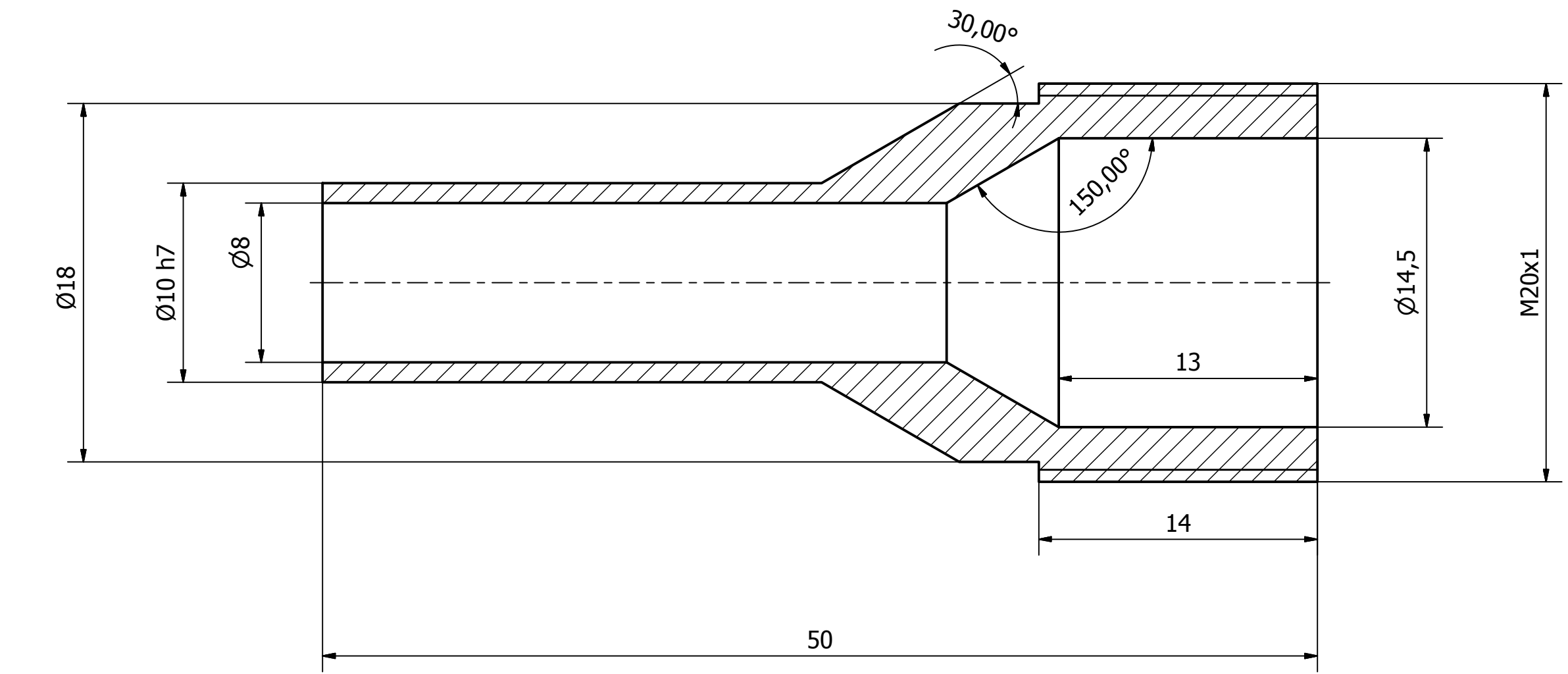


MATERIAL: NONMAGNETIC EDELSTAHL				SCALE 2:1	
Designed by	Checked by	Approved by	Date	Date	
MICHAL KERN				7.7.2014	
INSTITUT FÜR PHYS. CHEMIE UNIVERSITÄT STUTTGART			ADAPTER		
			TORQUE PROBE		Edition Sheet 15 / 33



7	1	PLUG	23
6	1	SHAFT NUT	22
5	1	CAP. BRIDGE PIPE	21
4	1	CAP. BRIDGE PIPE	20
3	1	TEMPERATURE SENSOR NUT	19
2	1	TEMPERATURE SENSOR PIPE	18
1	1	FEEDTHROUGH	17
ITEM	MENGE	NAME	SHEET
Designed by MICHAL KERN	Checked by	Approved by	Date 7.7.2014
INSTITUT FÜR PHYS. CHEMIE UNIVERSITÄT STUTTGART		FEEDTHROUGH WELDMENT TORQUE PROBE	
		Edition	Sheet 16 / 33

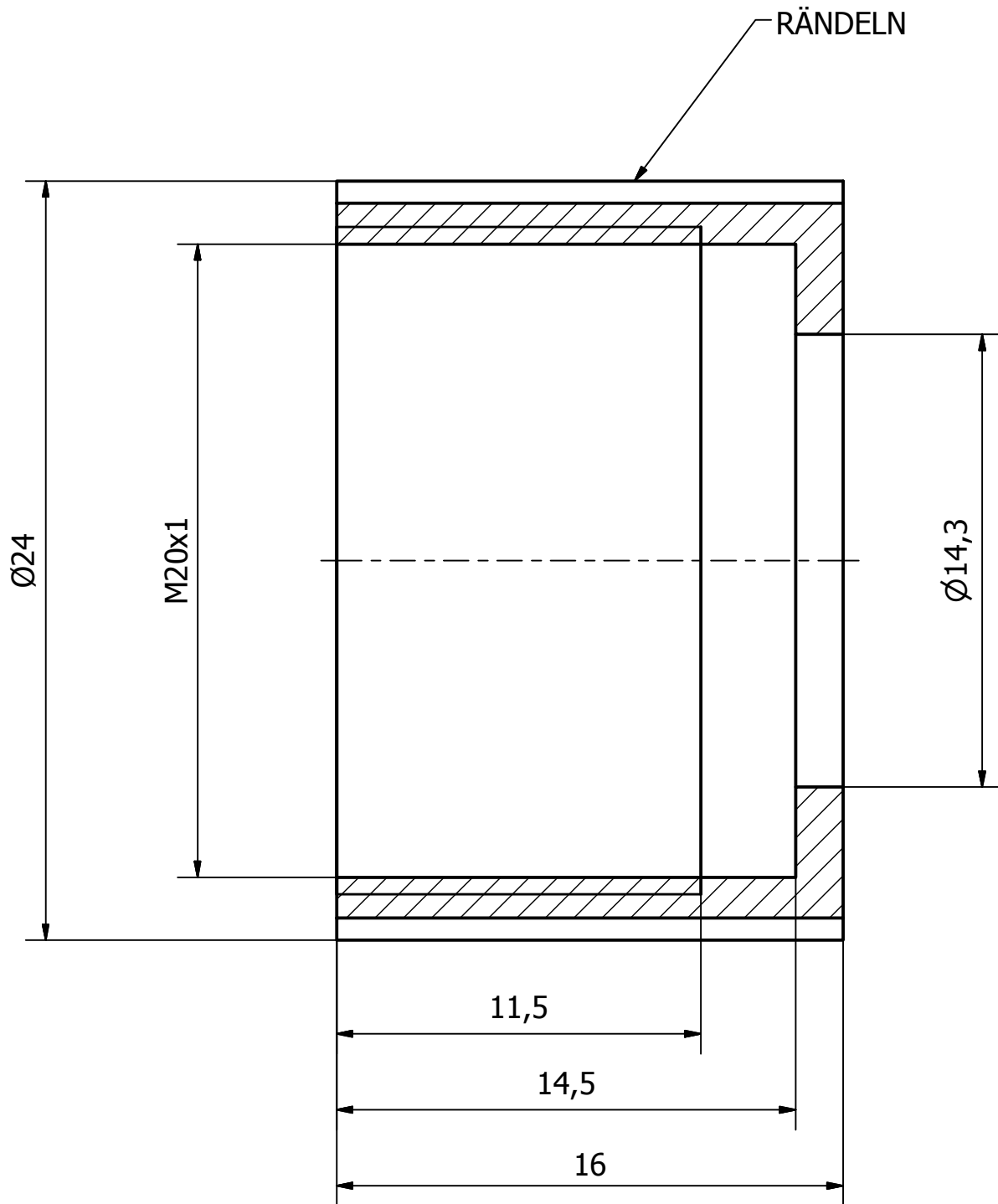
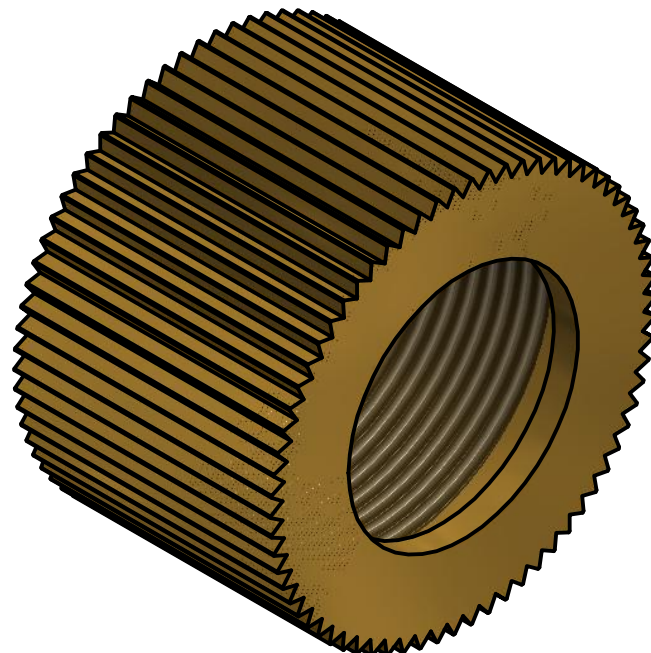




MATERIAL: MESSING

1 ST
SCALE 4:1

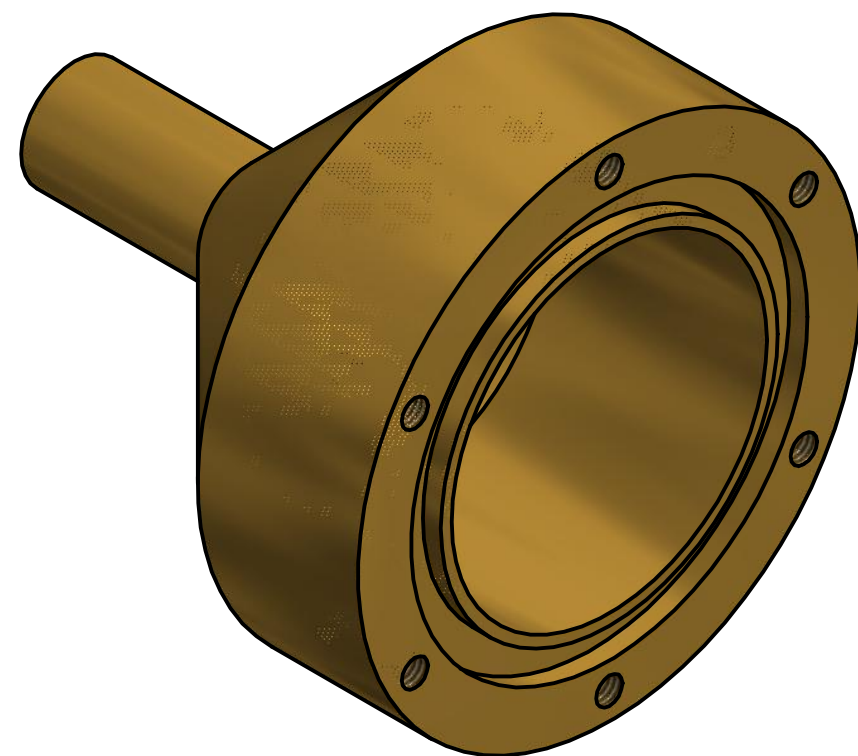
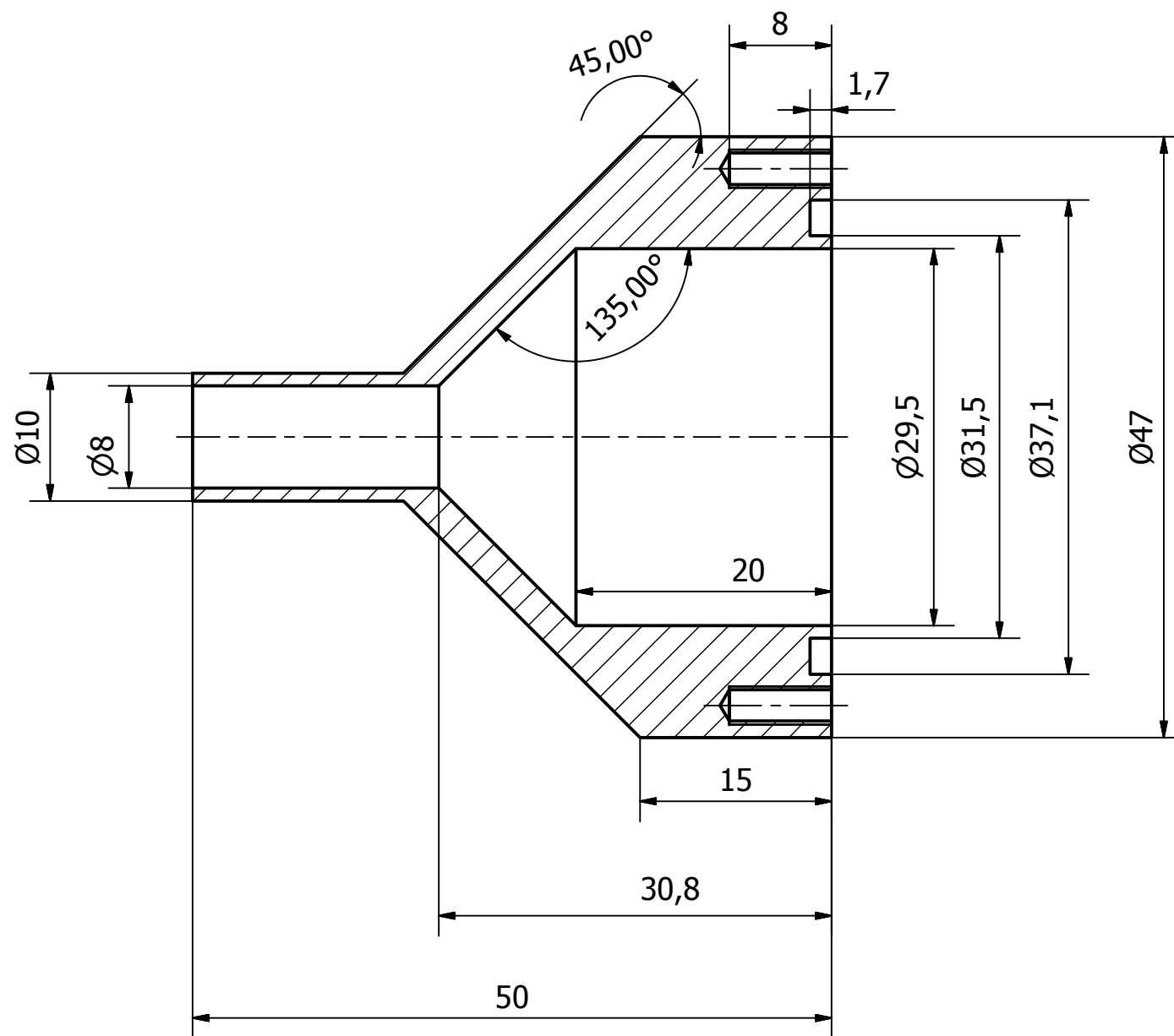
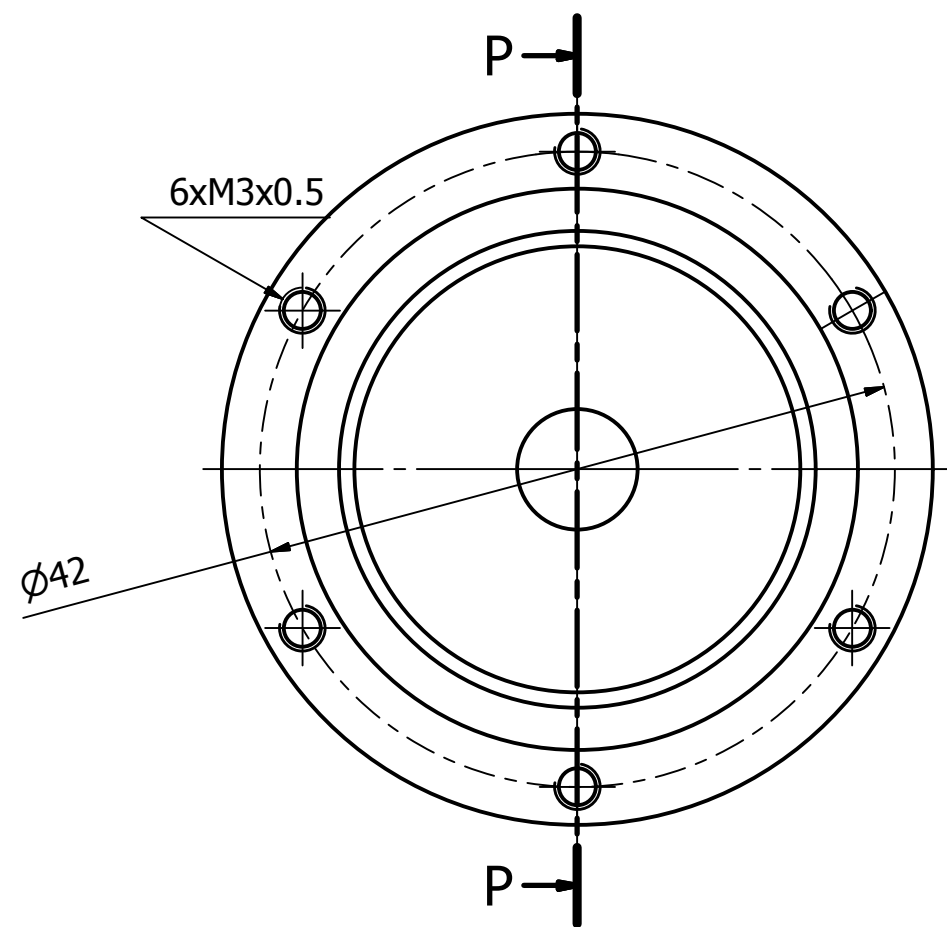
Designed by MICHAL KERN	Checked by	Approved by	Date	Date 7.7.2014	
INSTITUT FÜR PHYS. CHEMIE UNIVERSITÄT STUTTGART			TEMPERATURE SENSOR PIPE		
			TORQUE PROBE		Edition Sheet 18 / 33



MATERIAL: MESSING

1 ST
SCALE 5:1

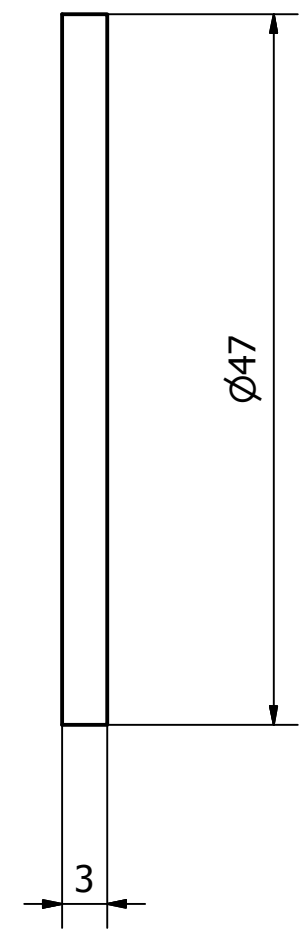
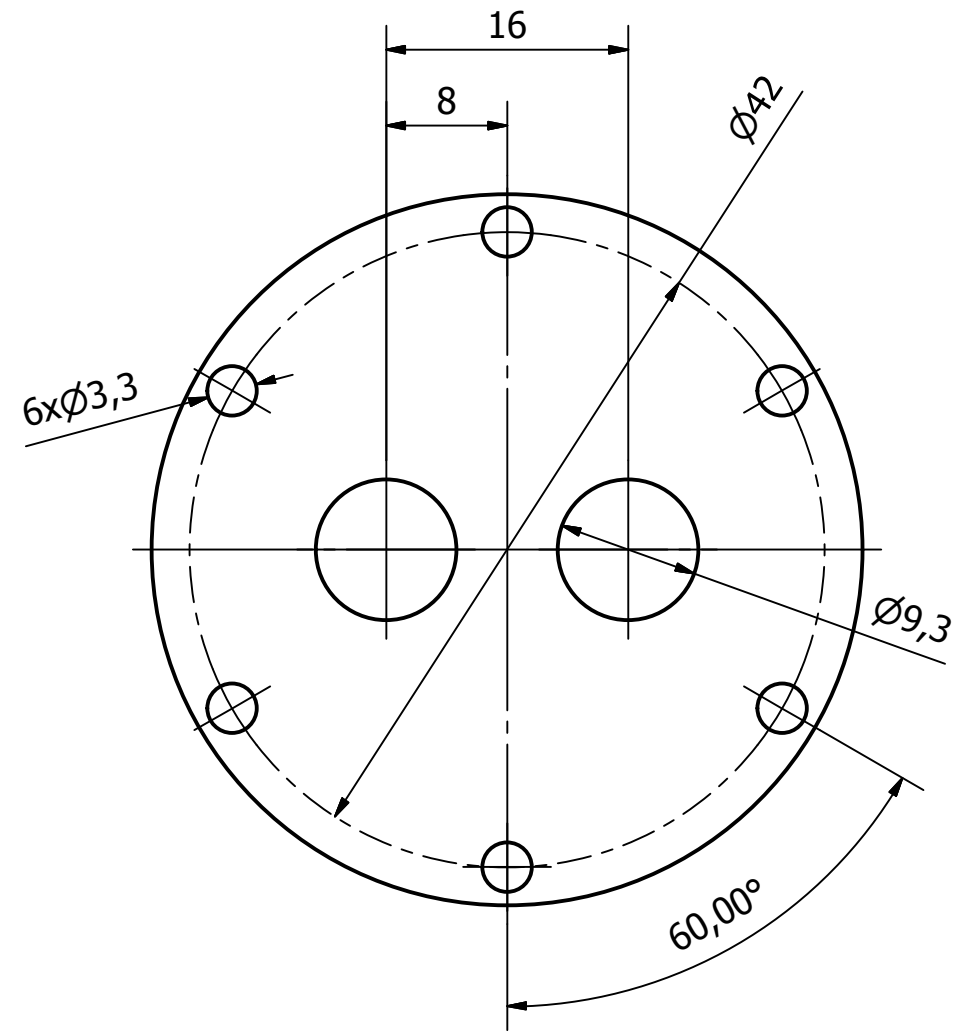
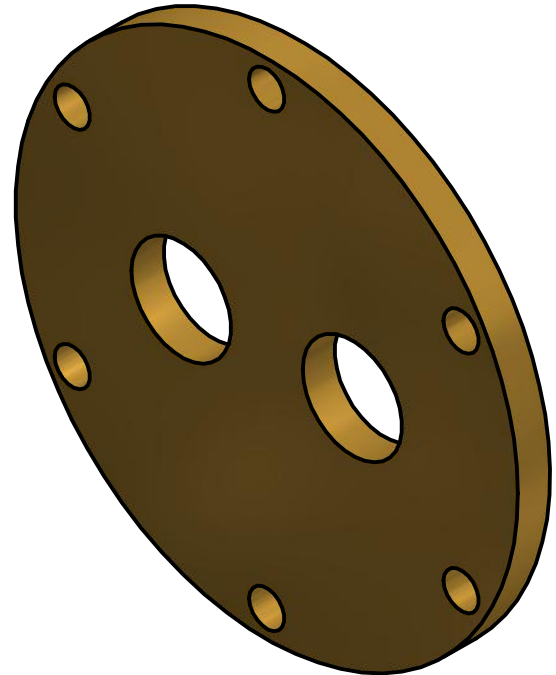
Designed by MICHAL KERN	Checked by	Approved by	Date	Date 7.7.2014	
INSTITUT FÜR PHYS. CHEMIE UNIVERSITÄT STUTTGART			TEMPERATURE SENSOR NUT		
			TORQUE PROBE		Edition
					Sheet 19 / 33



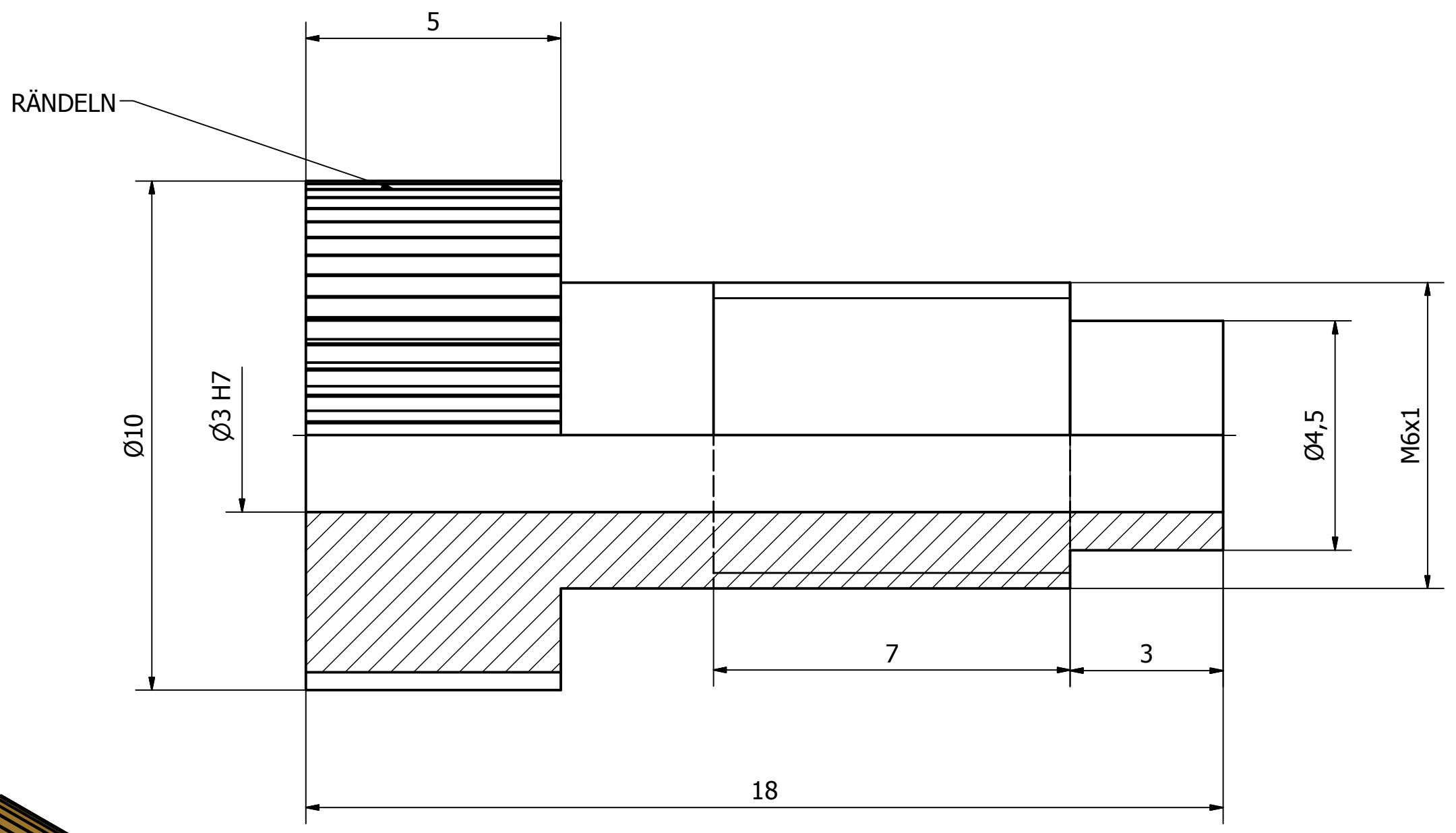
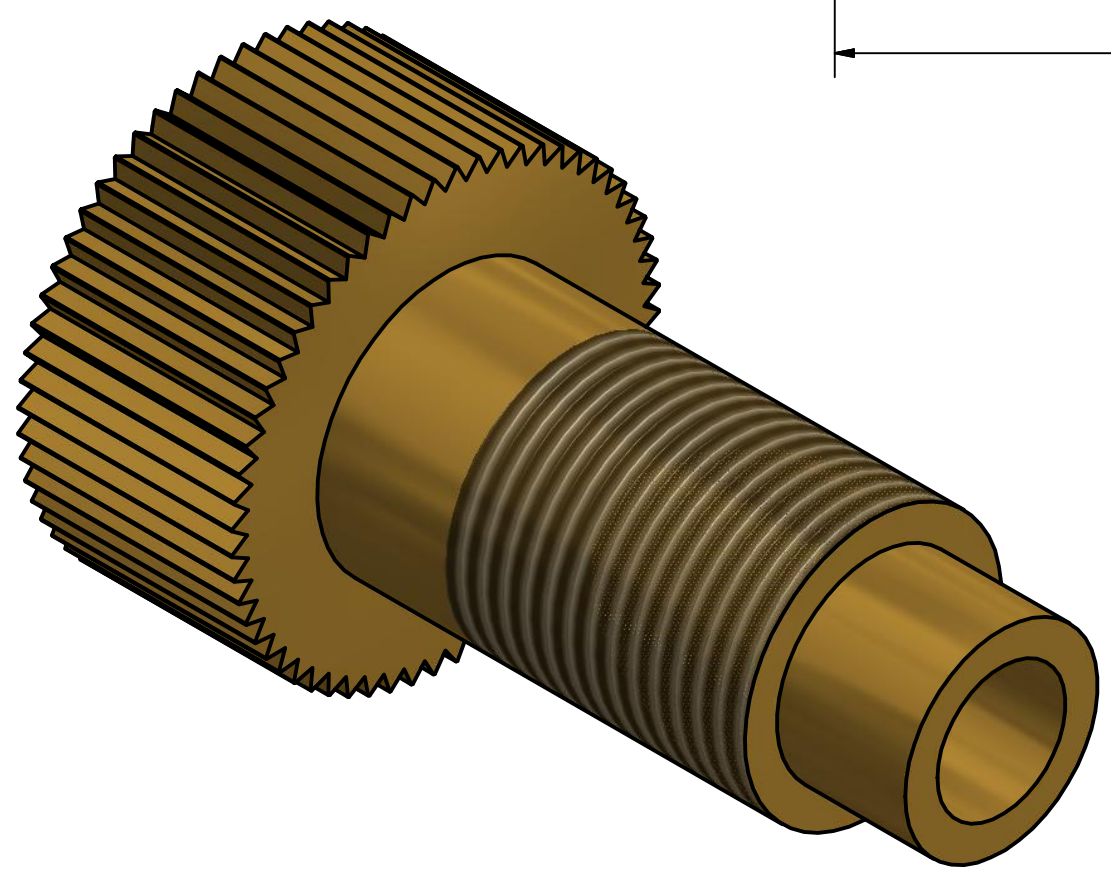
MATERIAL: MESSING

1 ST
SCALE 2:1

Designed by MICHAL KERN	Checked by	Approved by	Date	Date 7.7.2014	
INSTITUT FÜR PHYS. CHEMIE UNIVERSITÄT STUTTGART			CAP. BRIDGE PIPE		
			TORQUE PROBE		Edition
					Sheet 20 / 33



MATERIAL: MESSING					1 ST	
					SCALE 2:1	
Designed by MICHAL KERN	Checked by	Approved by	Date		Date 7.7.2014	
INSTITUT FÜR PHYS. CHEMIE UNIVERSITÄT STUTTGART			CAP. BRIDGE PIPE			
			TORQUE PROBE		Edition	Sheet 21 / 33



MATERIAL: MESSING

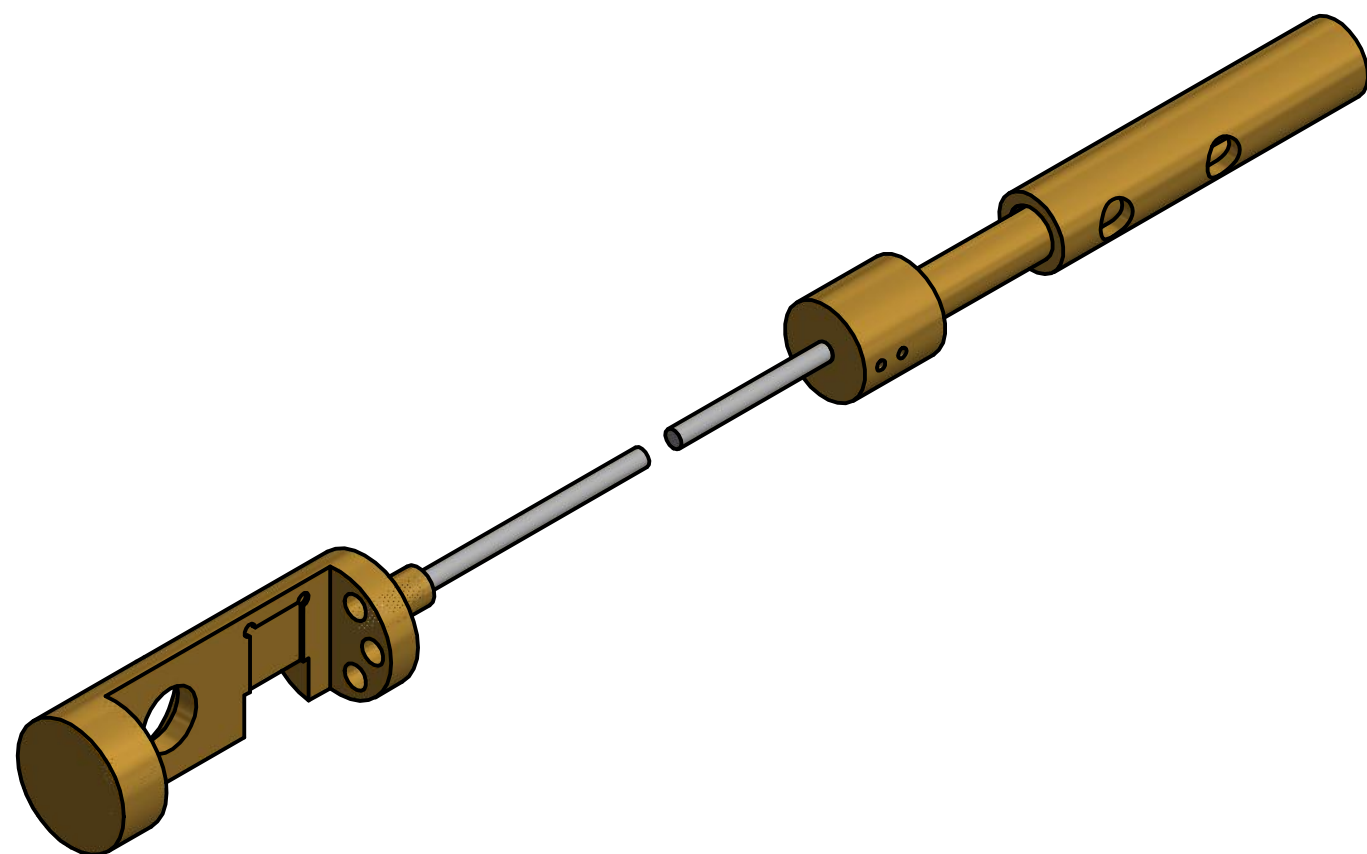
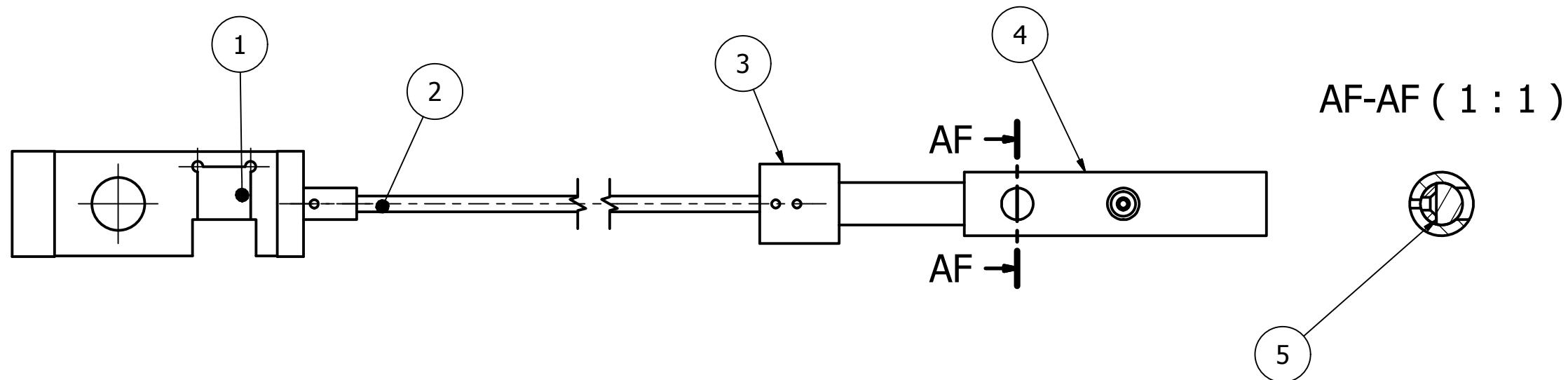
1 ST
SCALE 10:1

Designed by MICHAL KERN	Checked by	Approved by	Date	Date 7.7.2014	
INSTITUT FÜR PHYS. CHEMIE UNIVERSITÄT STUTTGART			SHAFT NUT		
			TORQUE PROBE		Edition Sheet 22 / 33



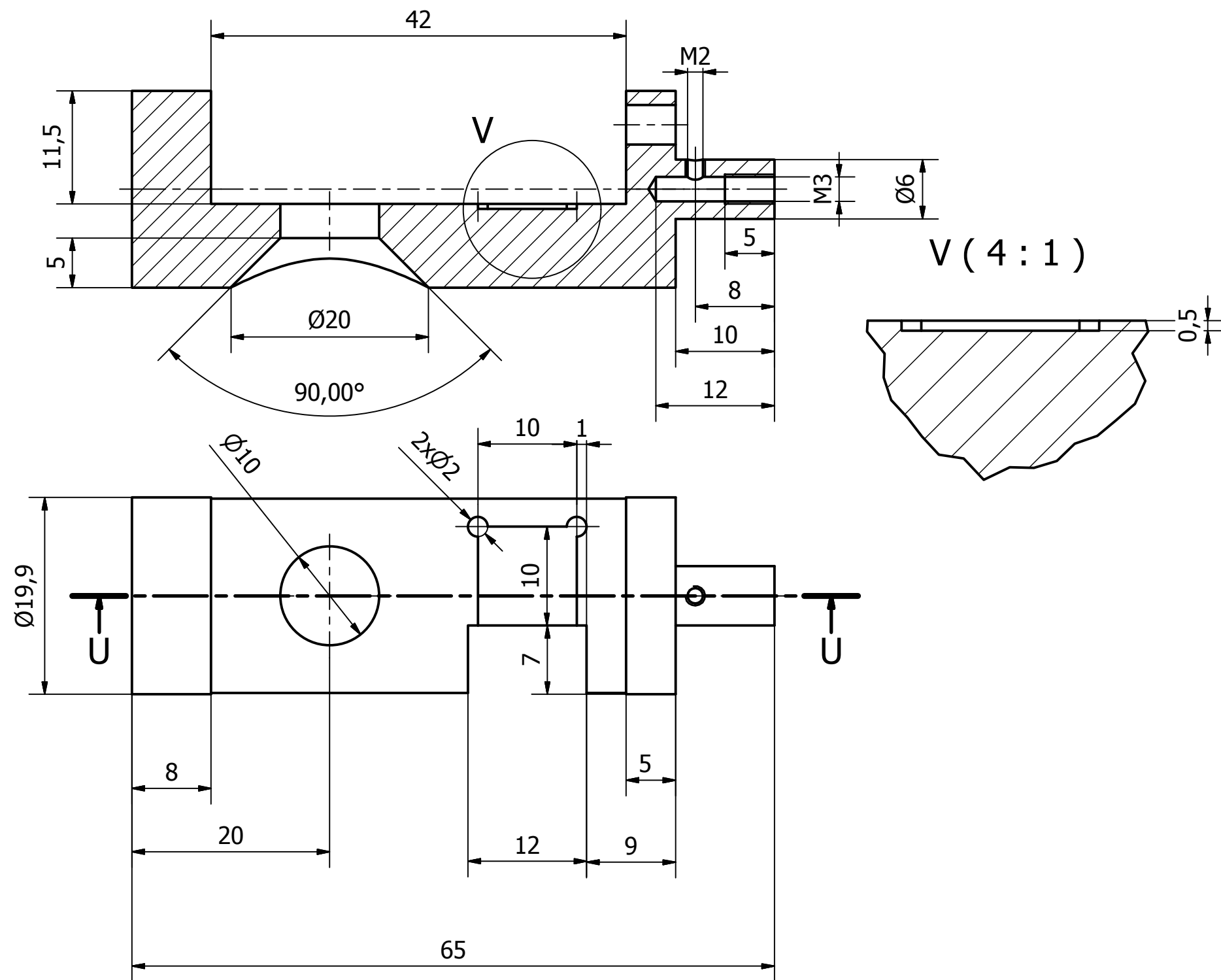
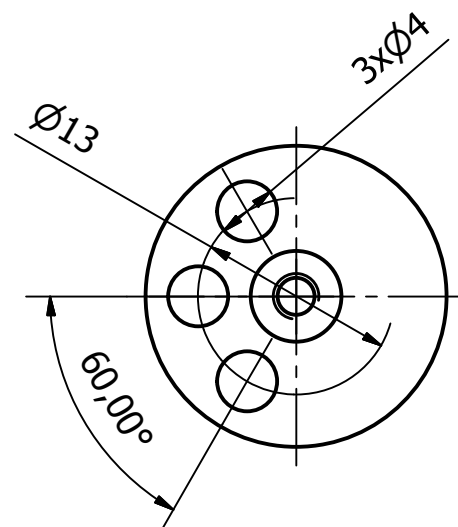
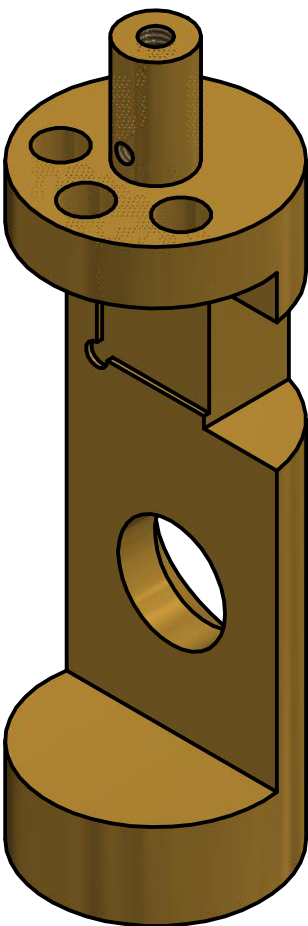
1 ST
SCALE 10:1

Designed by MICHAL KERN	Checked by	Approved by	Date	Date 7.7.2014	
INSTITUT FÜR PHYS. CHEMIE UNIVERSITÄT STUTTGART			PLUG		
			TORQUE PROBE		Edition Sheet 23 / 33



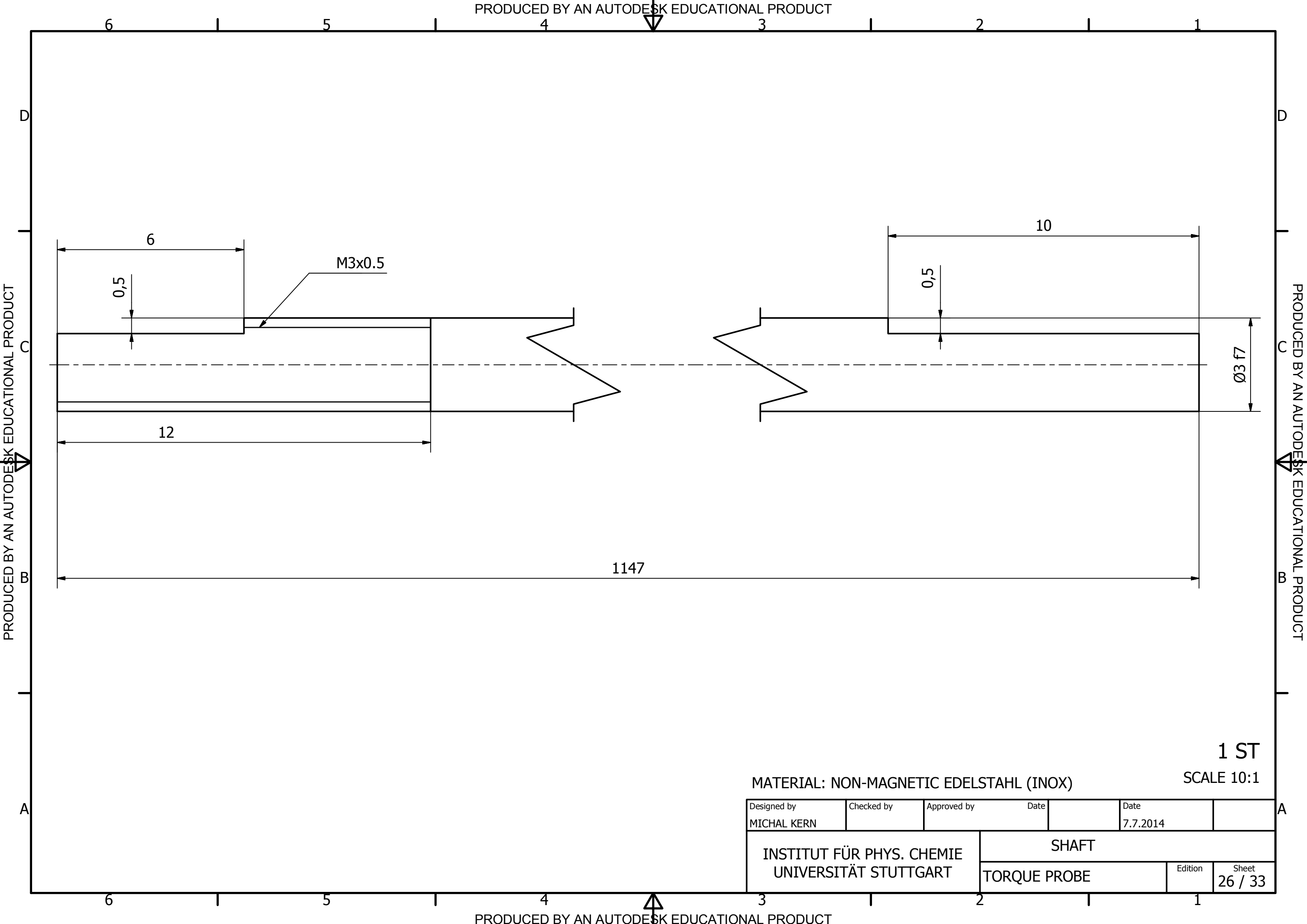
SCALE 1:1

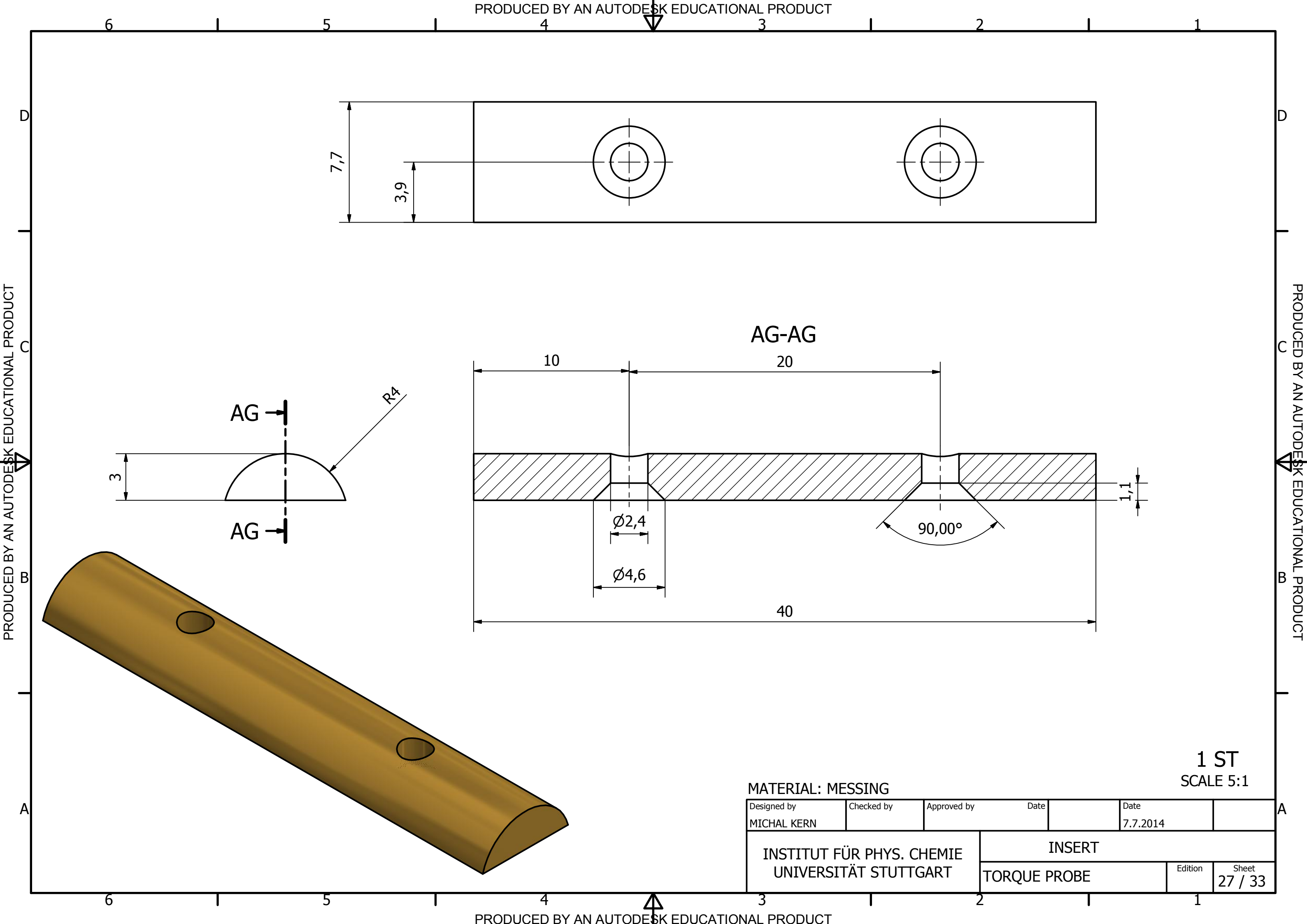
5	1	Motor connector	29
4	1	Motor coupler	28
3	1	Motor coupler insert	27
2	1	Shaft	26
1	1	Sample holder	25
ITEM	MENGE	NAME	SHEET
Designed by MICHAL KERN	Checked by	Approved by	Date 7.7.2014
INSTITUT FÜR PHYS. CHEMIE UNIVERSITÄT STUTTGART		ROTOR ASSEMBLY	
		TORQUE PROBE	Edition Sheet 24 / 33

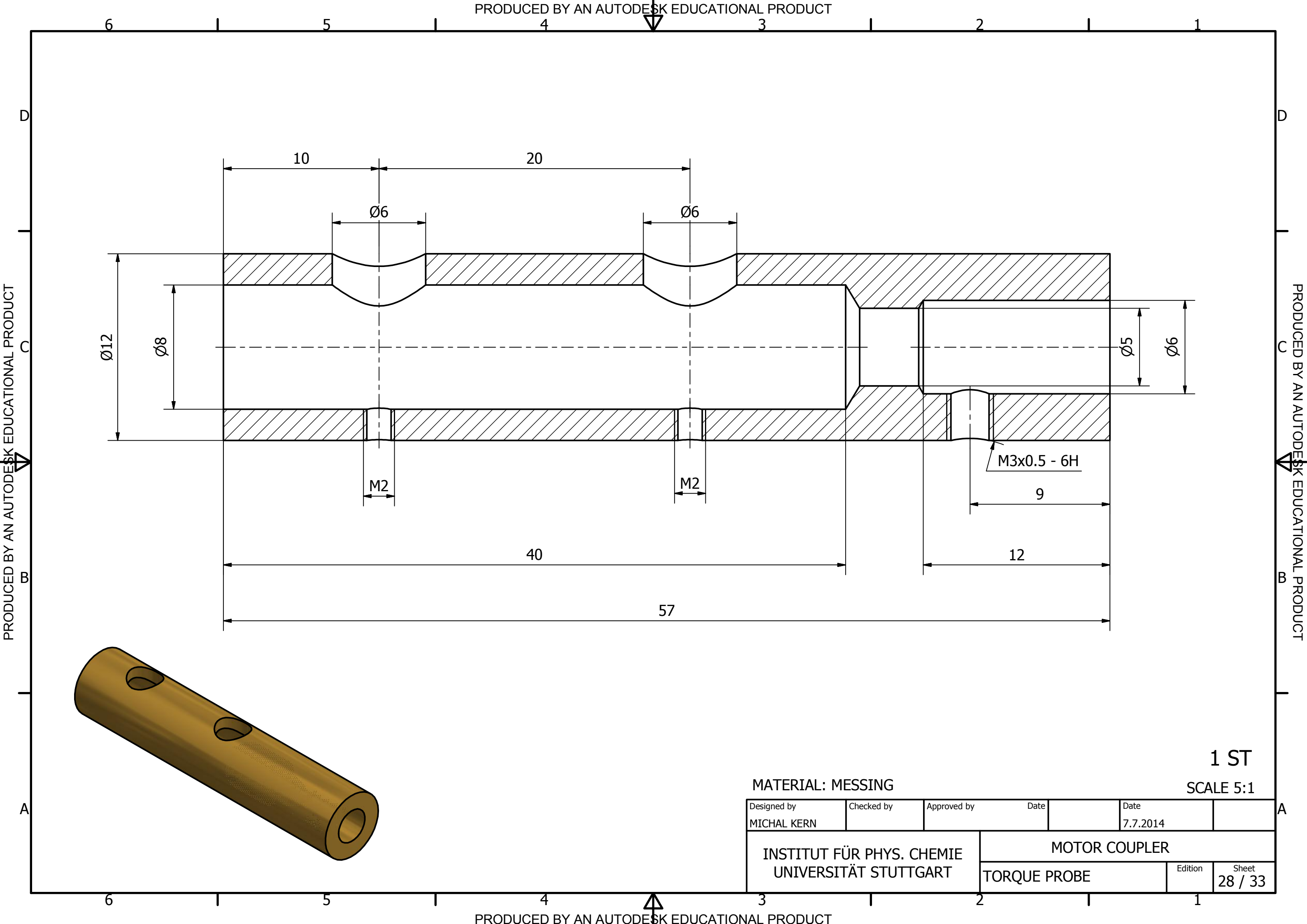


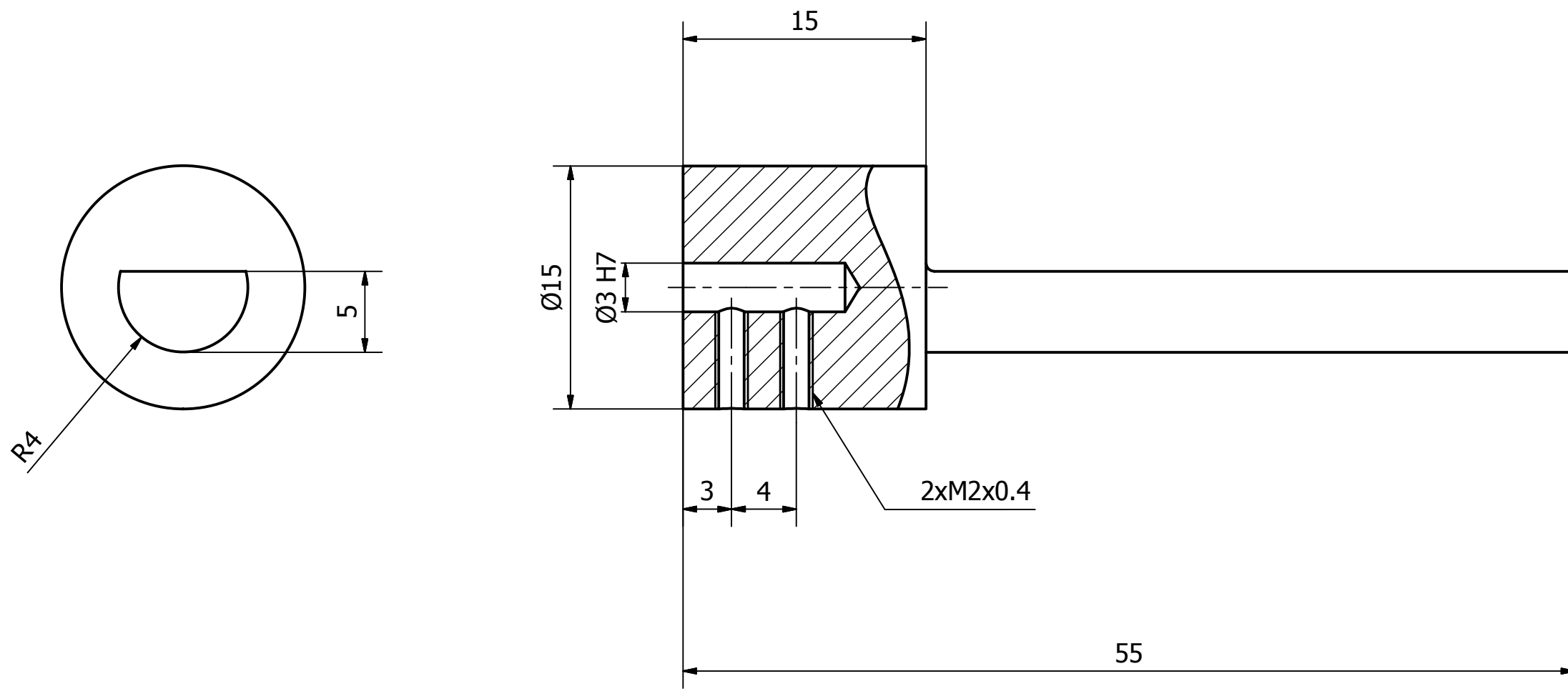
SCALE 2:1

Designed by	Checked by	Approved by	Date		Date	
MICHAL KERN					7.7.2014	
INSTITUT FÜR PHYS. CHEMIE UNIVERSITÄT STUTTGART			SAMPLE HOLDER			
			TORQUE PROBE			Edition





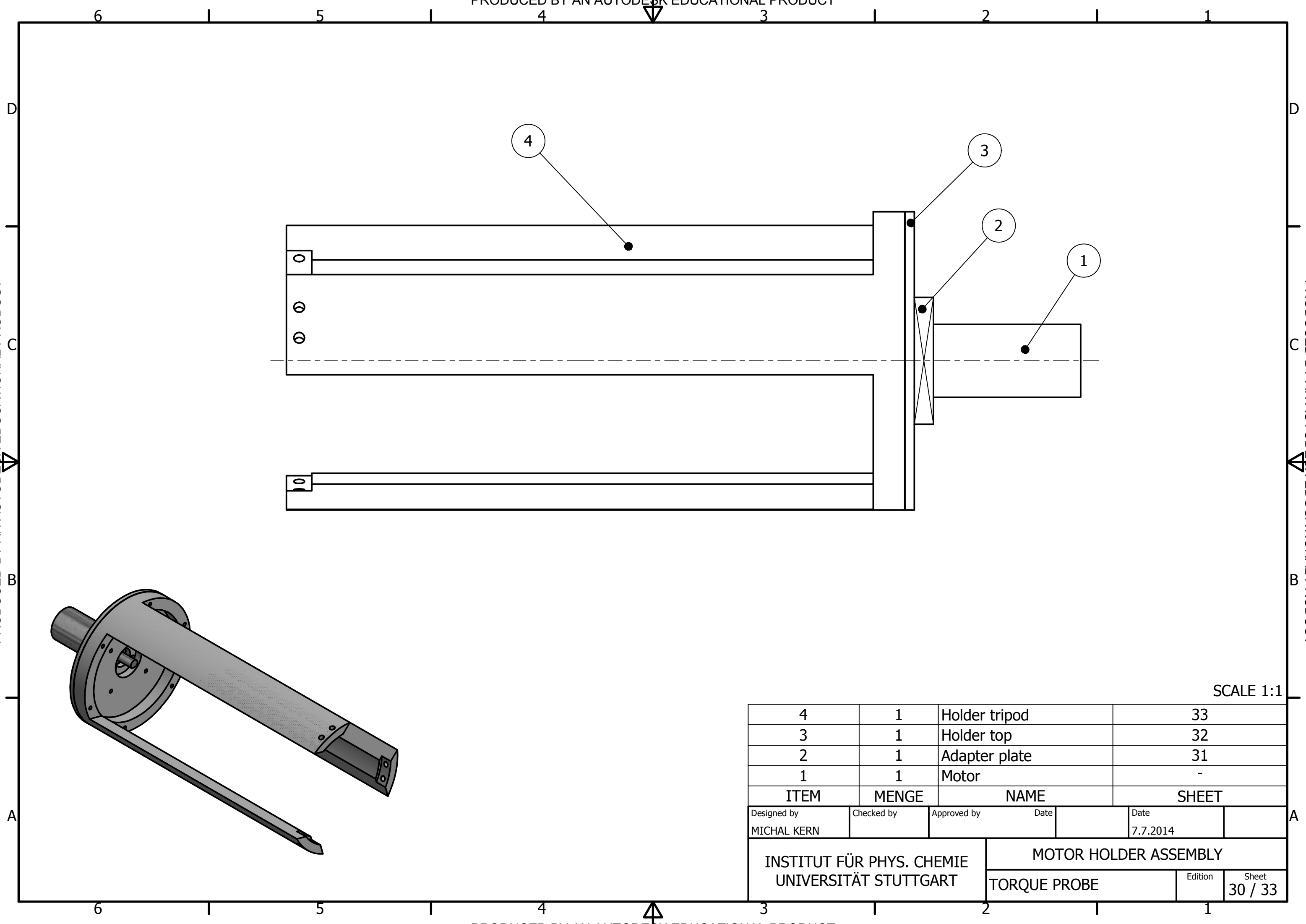




MATERIAL: MESSING

1 ST
SCALE 3:1

Designed by MICHAL KERN	Checked by	Approved by	Date	Date 7.7.2014	
INSTITUT FÜR PHYS. CHEMIE UNIVERSITÄT STUTTGART			MOTOR CONNECTOR		
			TORQUE PROBE		Edition Sheet 29 / 33



SCALE 1:1

4	1	Holder tripod	33
3	1	Holder top	32
2	1	Adapter plate	31
1	1	Motor	-
ITEM	MENGE	NAME	SHEET
Designed by MICHAL KERN	Checked by	Approved by	Date 7.7.2014
INSTITUT FÜR PHYS. CHEMIE UNIVERSITÄT STUTTGART		MOTOR HOLDER ASSEMBLY	
		TORQUE PROBE	Edition Sheet 30 / 33

