

Introduction

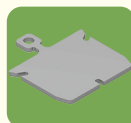
LewVac sample plates and holders are intended for use with LewVac wobblesticks fitted with pincer grips et.

Further details of these sample plates & holders can be found on our website www.lewvac.co.uk. For custom solutions, please contact our sales office.

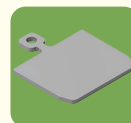
Description	Part Code
Stainless steel flag style sample plate (1)	M-SHOM
OFHC copper flag style sample plate (1)	M-SHOM-CU
CuBe2 flag style sample plate (1)	M-SHOM-CB
Titanium flag style sample plate (1)	M-SHOM-TI
Molybdenum flag style sample plate (1)	M-SHOM-MO
Tantalum flag style sample plate (1)	M-SHOM-TA
AL203 flag style sample plate (1)	M-SHOM-AL203
SHAPAL-M flag style sample plate (1)	M-SHOM-SH
Tungsten flag style sample plate (1)	M-SHOM-W
Silicon carbide flag style sample plate (1)	M-SHOM-SiC
Stainless steel flag style sample plate with 3 slits (2)	M-SHOM3S(ST)
Copper flag style sample plate with 3 slits (2)	M-SHOM3S(CU)
CuBe2 flag style sample plate with 3 slits (2)	M-SHOM3S(CUBE)
Titanium flag style sample plate with 3 slits (2)	M-SHOM3S(Ti)
Molybdenum flag style sample plate with 3 slits (2)	M-SHOM3S(MO)
Tantalum steel flag style sample plate with 3 slits (2)	M-SHOM3S(TA)
SHAPEL-M flag style sample plate with 3 slits (2)	M-SHOM3S(SH)
Tungsten flag style sample plate with 3 slits (2)	M-SHOM3S(W)
Silicon carbide flag style sample plate with 3 slits (2)	M-SHOM3S(SiC)
Stainless steel flag style sample plate - straight through model (3)	M-SHOS
Molybdenum flag style sample plate - straight through model (3)	SHOS(MO)
Stainless steel (304L) flag style sample plate with 5 X M1.4 tapped holes (4)	M-SHOMT(MO)
Molybdenum flag style sample plate with 5 X M1.4 tapped holes (4)	M-SHOMT(MO)
M1.4x1 Stainless steel slotted cheese head screw, pack of 12	M-FA18101401PK12
M1.4x1 Tantalum slotted cheese head screw, pack of 12	M-FA18401401PK12
M1.4x1 Titanium slotted cheese head screw, pack of 12	M-FA18201401PK12
Flat spring 4.4mm long for sample holding on M-SHOMT(#), stainless steel, pack of 12	M-SHFS4.4(ST)PK12
Molybdenum flag style sample plate for round or quadratic single crystal, diameter 10mm thickness 1mm (5)	M-SHOMTCH(MO)-10-01-09
Molybdenum flag style sample plate for rectangular single crystals, aperture 7X7mm thickness 1mm (6)	M-SHOMTCHR(MO)-07-07-01
Sample holder 13 electrical contacts, CuBe2 including temperature sensor (7)	M-SHOMEC13(CB-DT)
Sample holder 13 electrical contacts, molybdenum including temperature sensor (7)	M-SHOMEC13(MO-DT)
Sample holder out of molybdenum with 13 electrical contacts (8)	M-SHOMEC13(MO)
Molybdenum sample plate for direct current heating with central opening for optical access from the rear (9)	M-SHOMDCRA
Moly/ceramic flag style sample plate for direct current heating (both terminals isolated from plate) (9)	M-SHOMDC
Moly/ceramic flag style sample plate for direct current heating (both terminals isolated from plate) (9)	M-SHOMDC(N)
Sample holder for 1 Inch wafers (10)	M-SHUPSCH



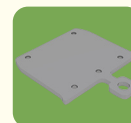
1



2



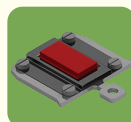
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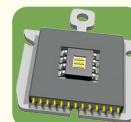
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6



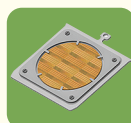
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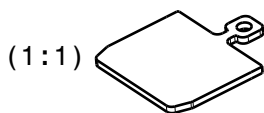
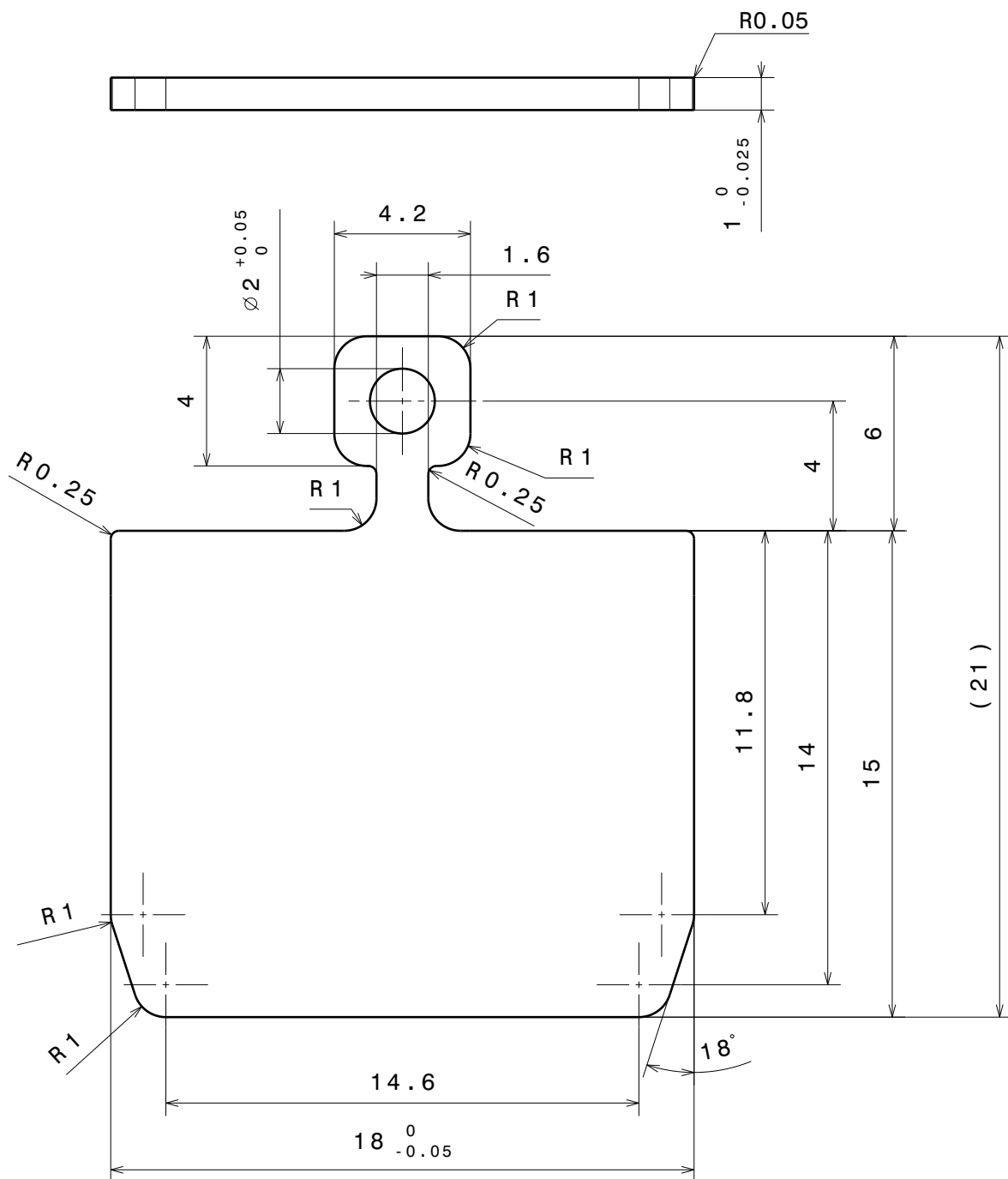
9



10



Material: according to order		nominal dimension	over up to	1	6	30	100	300	1000
SHOM		tolerance	±	6	30	100	300	1000	2000
				0.05	0.1	0.3	0.5	0.8	1.2
Sample Holder Plate		Scale		Drawn		M. Nyirö			
		5:1		Date		31.01.2011			
				Checked		...			
Ferrovac GmbH CH-8050 Zurich						SHOM sheet 1/1			
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$\sqrt{Ra\ 1.6}$
 general tolerances ISO 2768-K
 $\begin{matrix} +0.2 \\ +0.1 \end{matrix}$ $\begin{matrix} -0.1 \\ -0.2 \end{matrix}$

Material: according to order

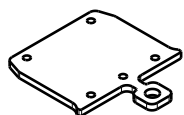
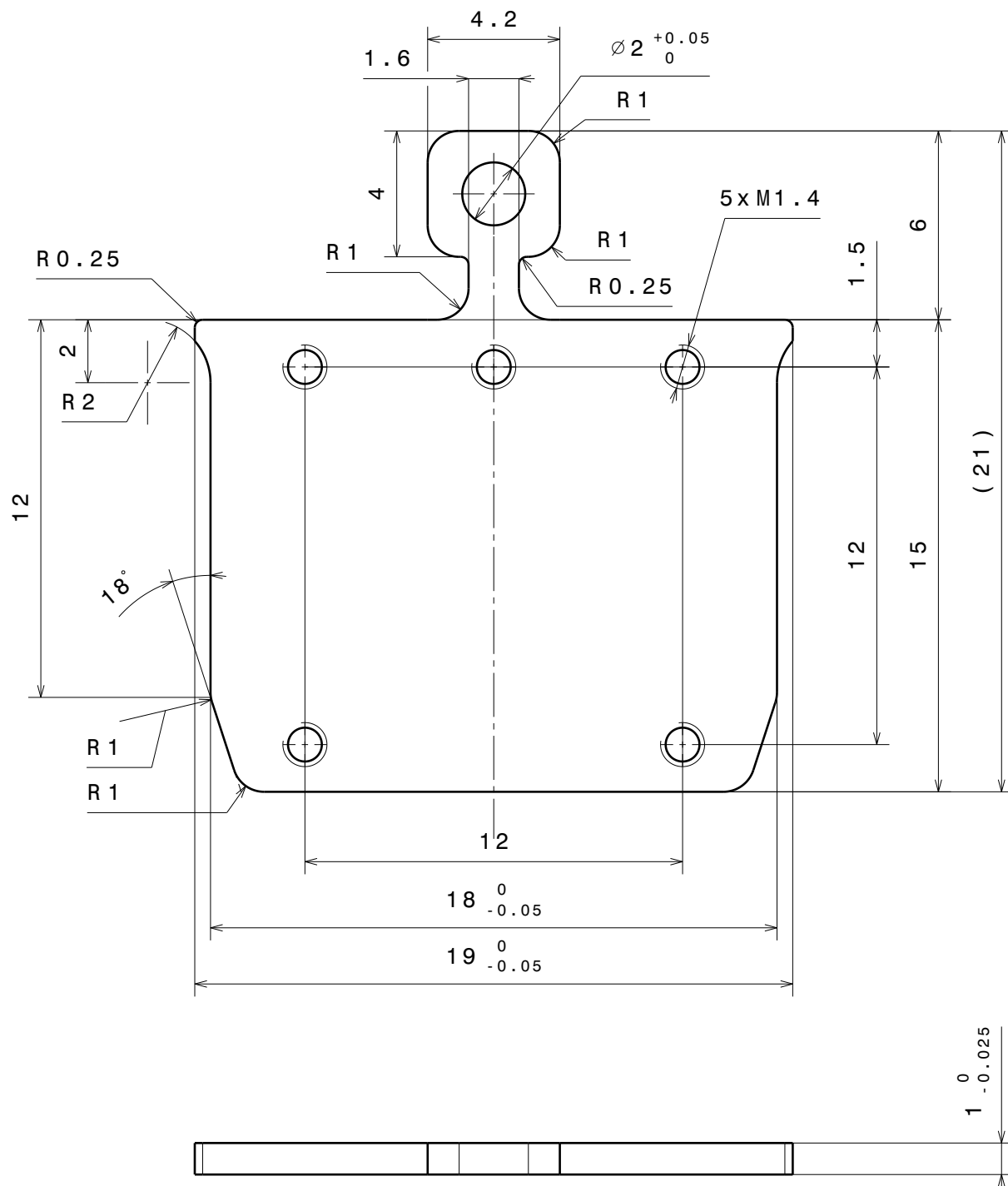
SHOS

Straight through flag style sample plate

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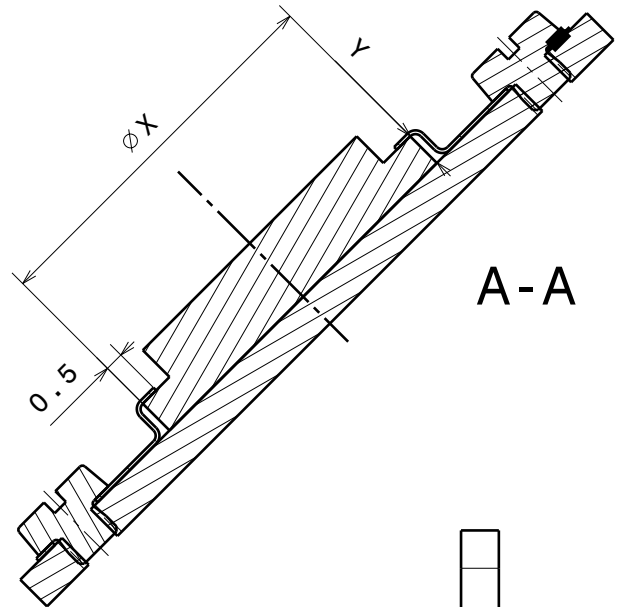
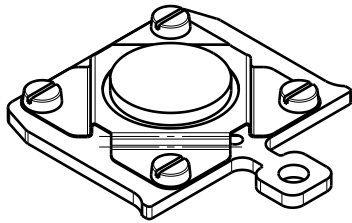
nominal dimension	over	1	6	30	100	300	1000
	up to	6	30	100	300	1000	2000
tolerance	$\pm$	0.05	0.1	0.3	0.5	0.8	1.2
Scale		Drawn		J.Buechi			
5:1 (1:1)		Date		01.11.2018			
		Checked		...			
Rev. A		SHOS sheet 1/1					



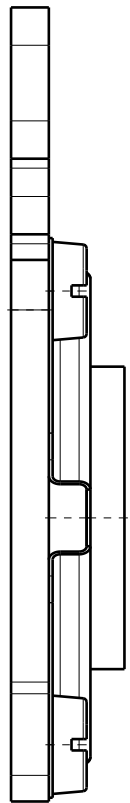
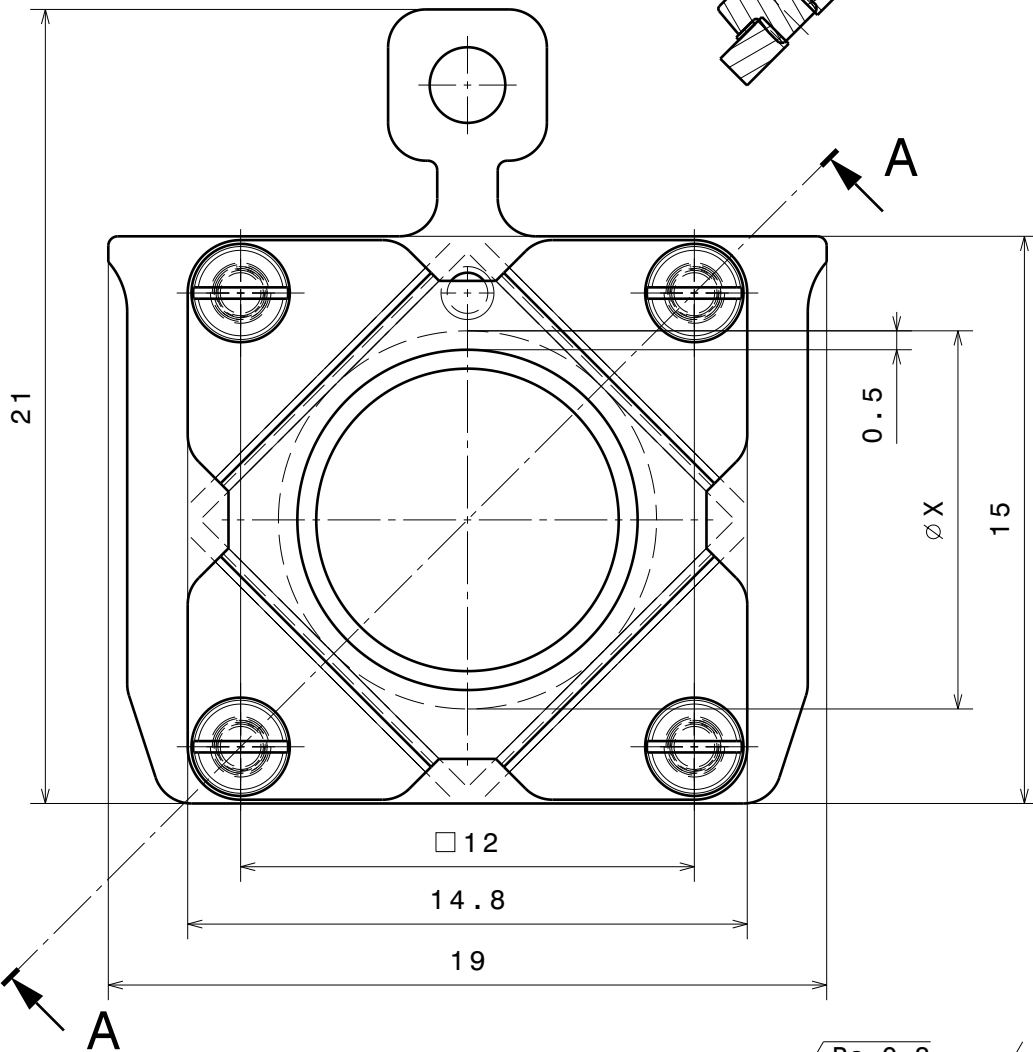
trovalisiert R0.1

(✓) $\begin{matrix} +0.2 \\ +0.1 \end{matrix}$ $\begin{matrix} -0.1 \\ -0.2 \end{matrix}$

Material: gem. Bestellung		nominal dimensions $\leq 30\text{mm}$		DIN ISO 2768-f-H	
		nominal dimensions $> 30\text{mm}$		DIN ISO 2768-m-K excluding Sym./Runout	
		Sym./Runout $> 30\text{mm}$		DIN ISO 2768-H	
SHOM mit 5x M1.4		formed part dimensions		DIN ISO 2768-f-H	
SHOM(4 3)T		Scale		Drawn	Vassalli
		5 : 1		Date	24.01.2019
				Changed	31.01.2019
				23859	
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		Rev.	B	A4 sheet 1/1	

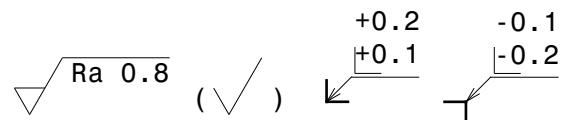
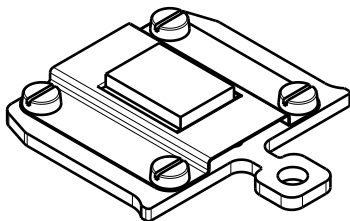
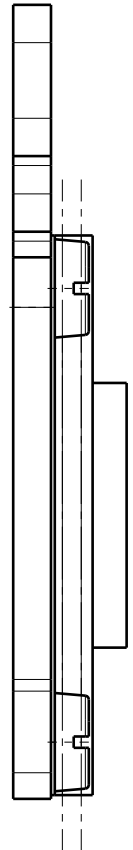
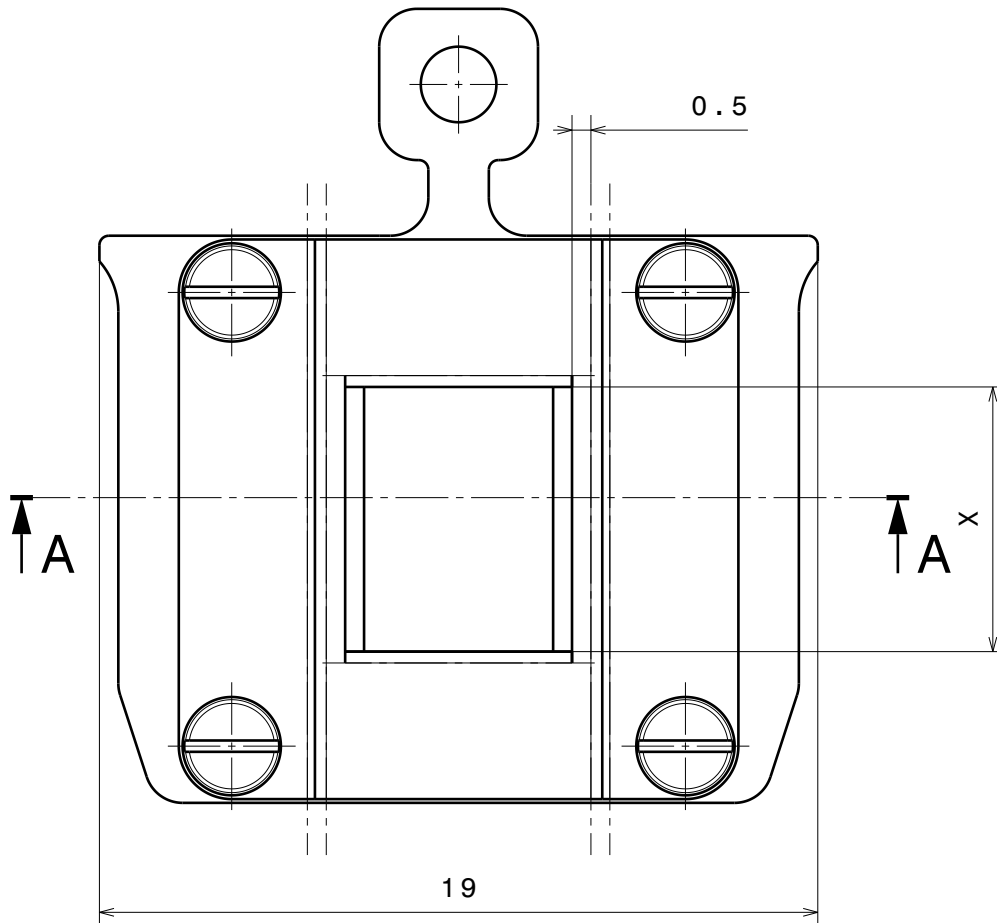
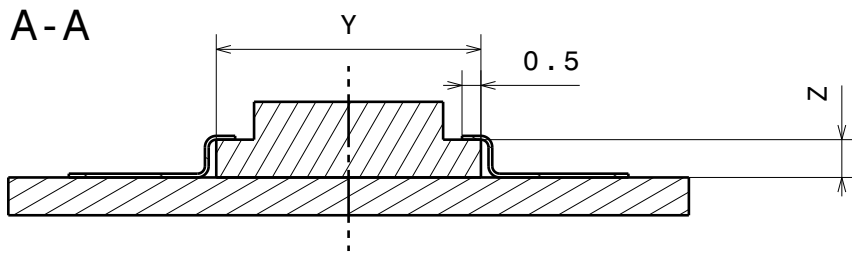


A-A



$\sqrt{Ra\ 0.8}$ (✓)
 $\begin{matrix} +0.2 \\ +0.1 \end{matrix}$ $\begin{matrix} -0.1 \\ -0.2 \end{matrix}$

Material: UHV compatible		nominal dimensions $\leq 30\text{mm}$		DIN ISO 2768-f-H	
		nominal dimensions $> 30\text{mm}$		DIN ISO 2768-m-K excluding Sym./Runout	
		Sym./Runout $> 30\text{mm}$		DIN ISO 2768-H	
Sample Holder for round or quadratic Single Crystals SHOMT		formed part dimensions		DIN ISO 2768-f-H	
		Scale		Drawn	Vassalli
		5 : 1		Date	30.01.2019
				Changed	
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		Rev.	A	A4 sheet 1/1	



Material: gem. Bestellung

Sample Holder for Single Crystals
SHOMT

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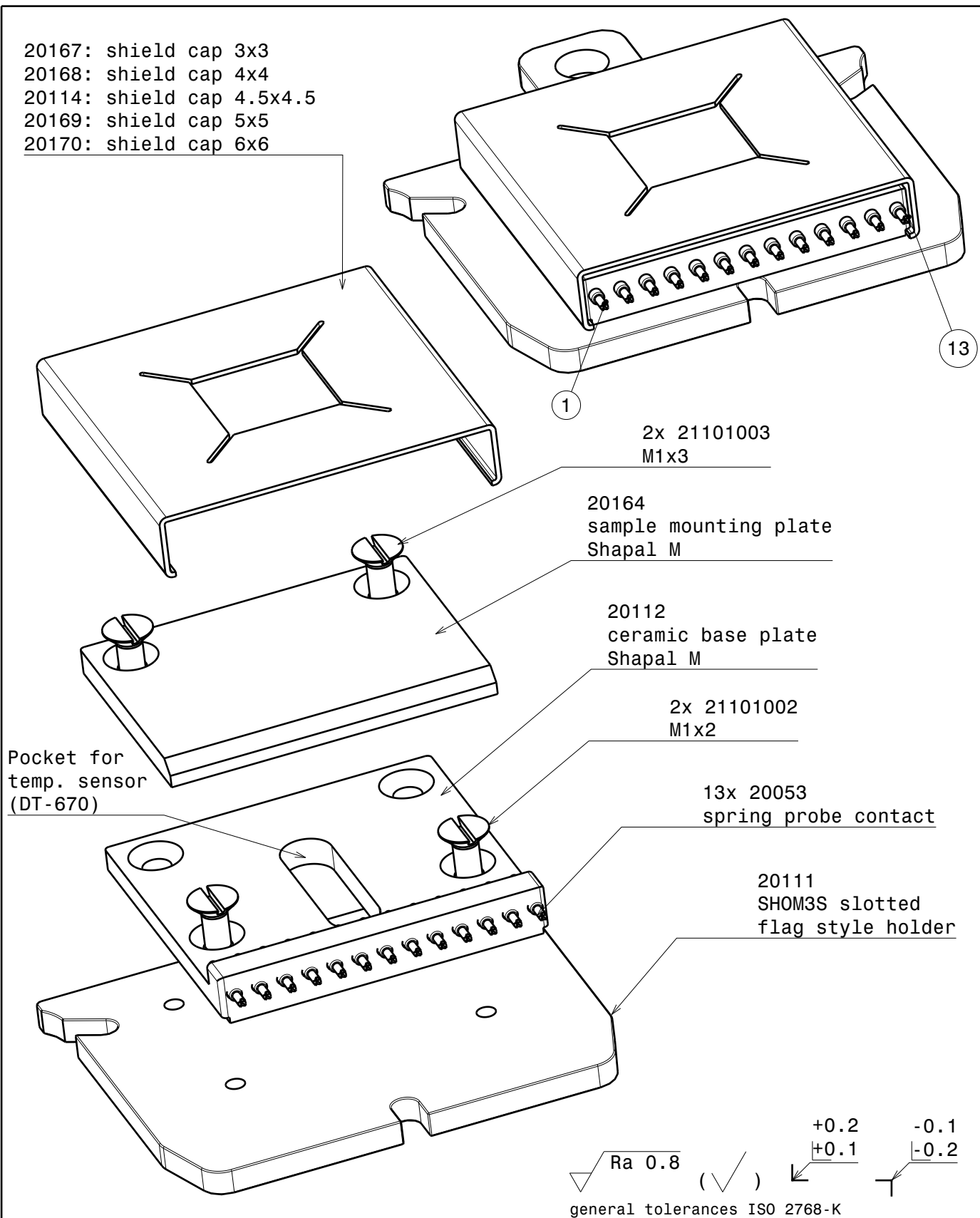
nominal dimensions	≤30mm	DIN ISO 2768-f-H
	>30mm	DIN ISO 2768-m-K excluding Sym./Runout
Sym./Runout	>30mm	DIN ISO 2768-H

formed part dimensions	DIN ISO 2768-f-H
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Scale	Drawn	Name
5:1 2:1	Date	30.01.2019
	Changed	Vassalli

Rev.	A	SHOMTCHR
		A4 sheet 1/1

- 20167: shield cap 3x3
- 20168: shield cap 4x4
- 20114: shield cap 4.5x4.5
- 20169: shield cap 5x5
- 20170: shield cap 6x6



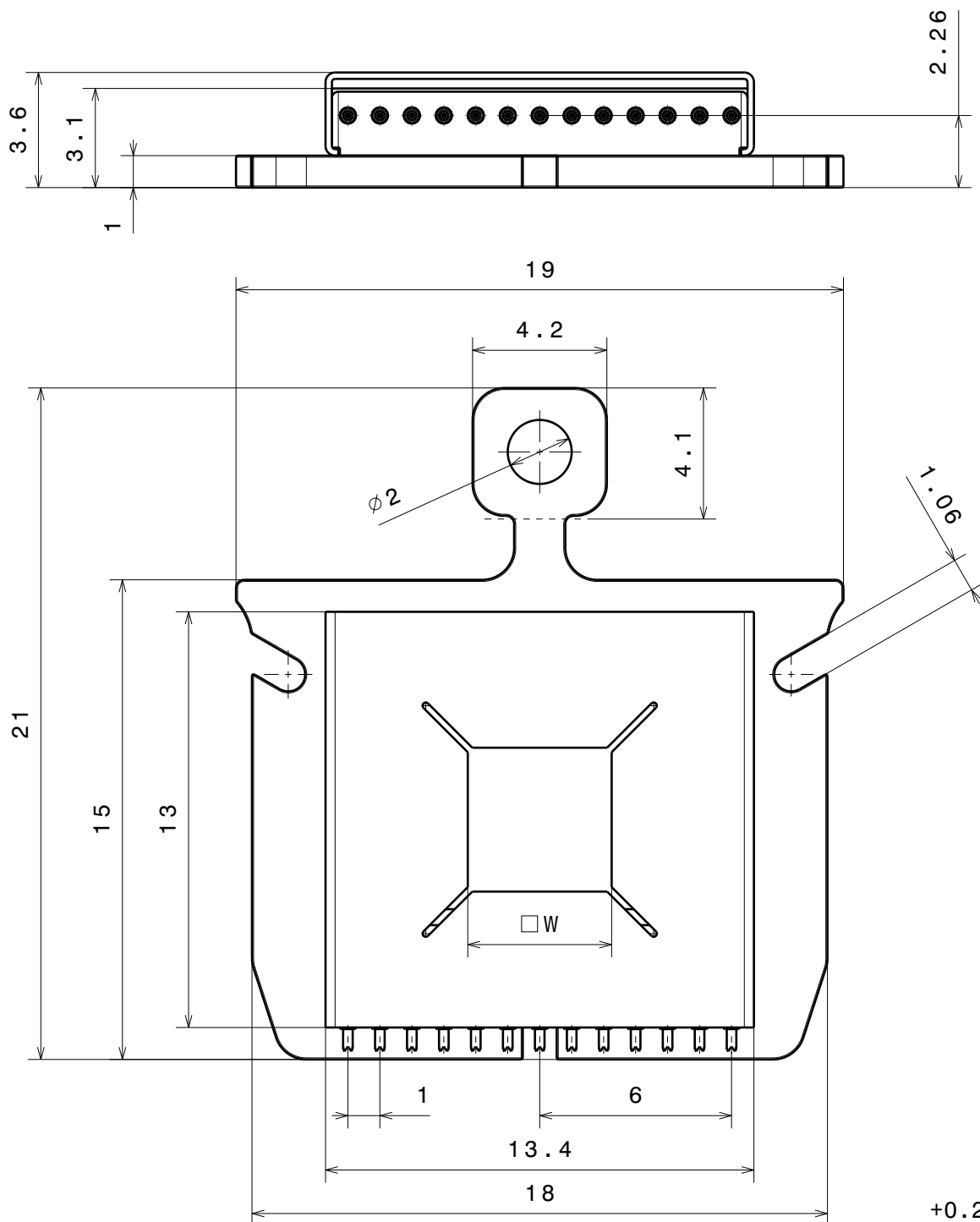
Material:

Sample plate with 13 el. contacts
and slits for snap-in lock

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nominal dimension	over up to	1	6	30	100	300	1000
tolerance	±	0.05	0.1	0.3	0.5	0.8	1.2
Scale		Drawn		U. Maier			
5:1		Date		01.04.2014			
		Changed		23.05.14 UM			
Rev.		B		SHOME C13			
				sheet 1/2			



$\sqrt{Ra\ 0.8}$ ($\sqrt{\quad}$) $\begin{matrix} +0.2 \\ +0.1 \end{matrix}$ $\begin{matrix} -0.1 \\ -0.2 \end{matrix}$
 general tolerances ISO 2768-K

Material:

Sample plate with 13 el. contacts
and slits for snap-in lock

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nominal dimension	over	1	6	30	100	300	1000
up to	6	30	100	300	1000	2000	
tolerance	$\pm$	0.05	0.1	0.3	0.5	0.8	1.2

Scale

Drawn

U. Maier

5:1

Date

01.04.2014

Changed

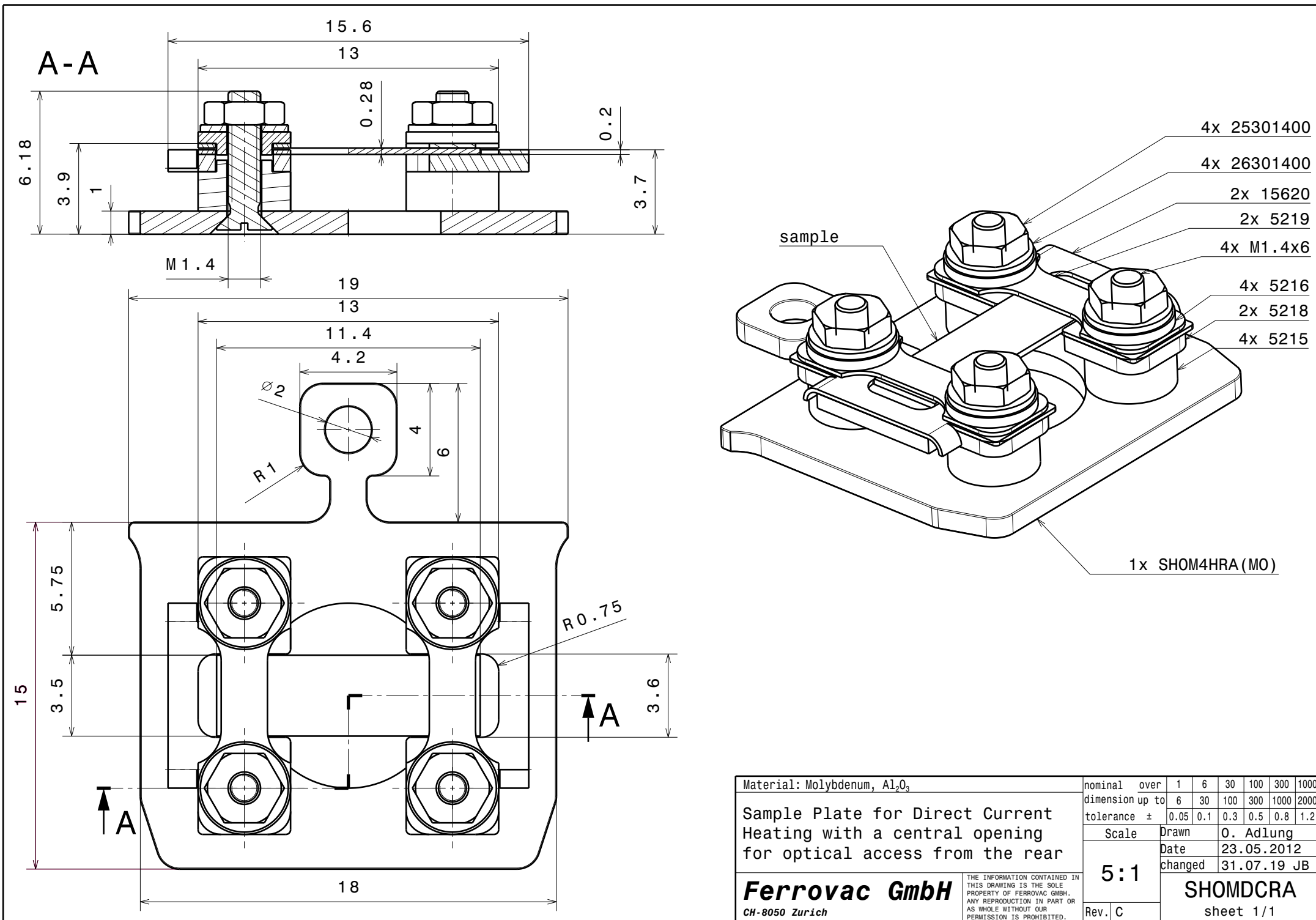
23.05.14 UM

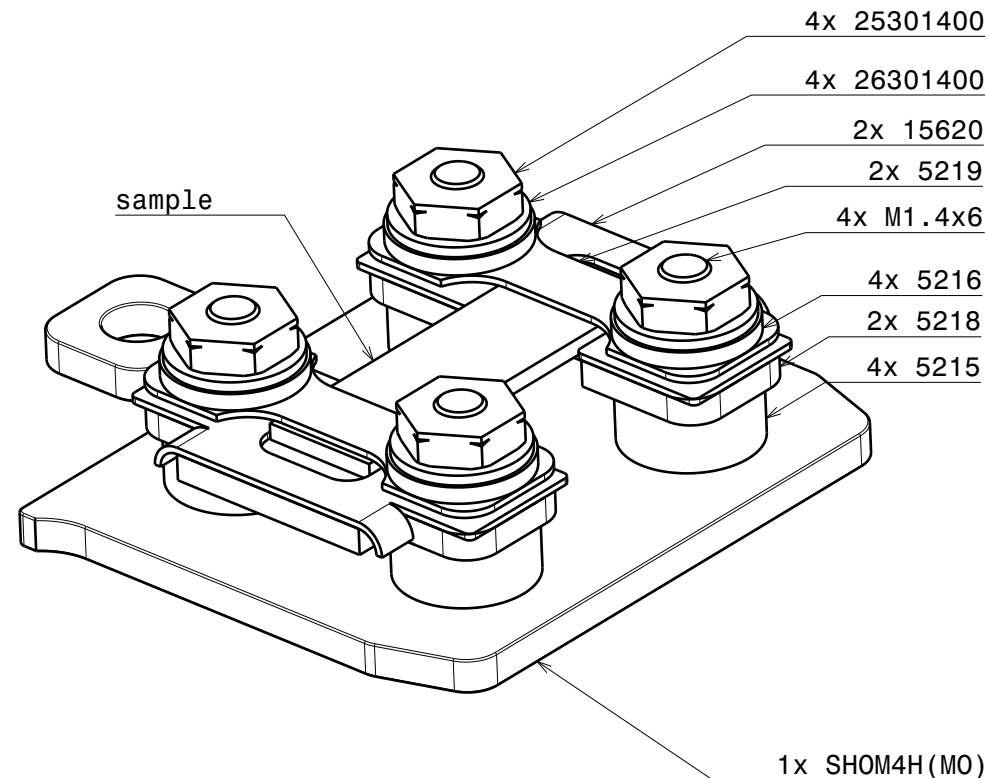
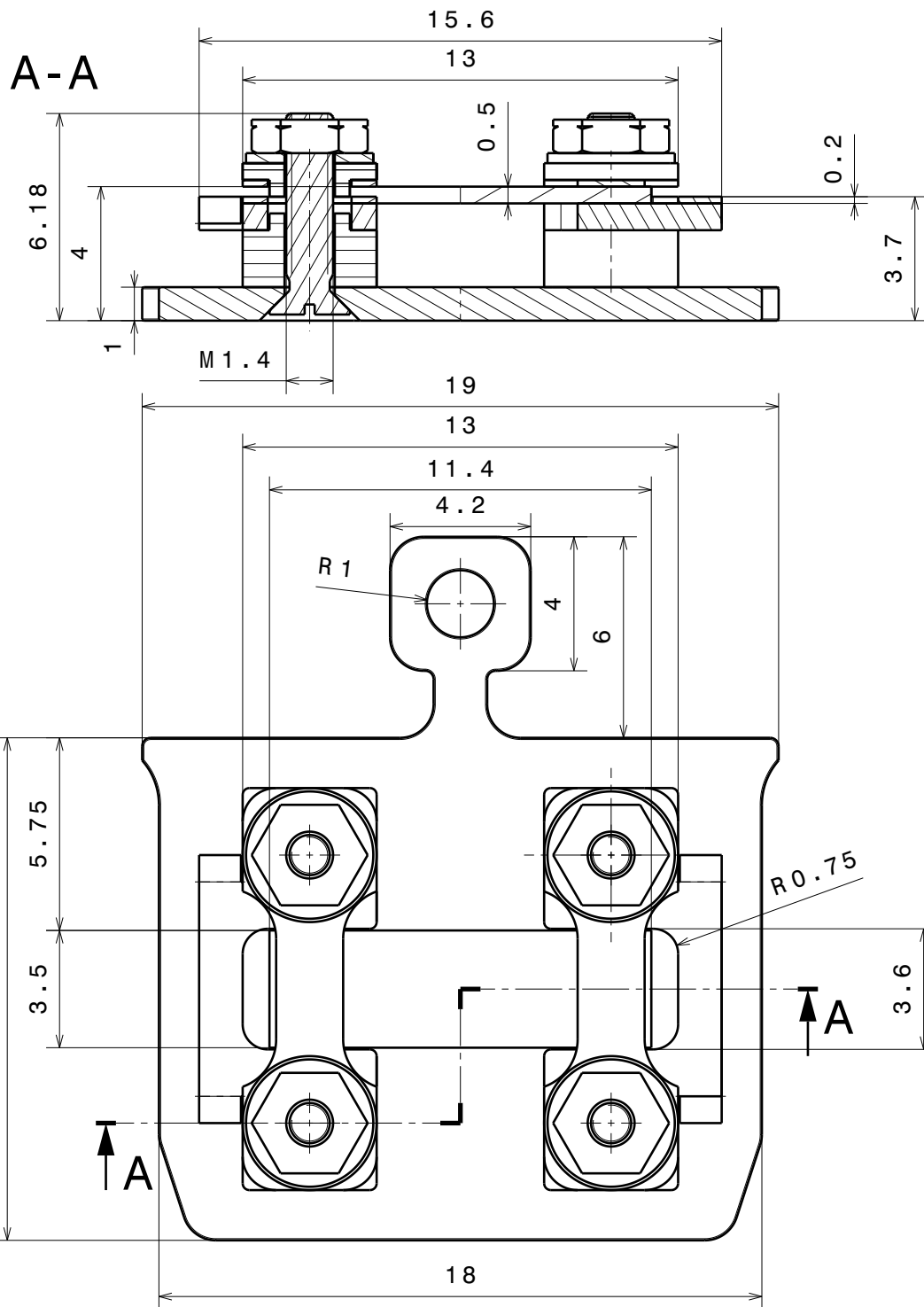
SHOME C13

sheet 2/2

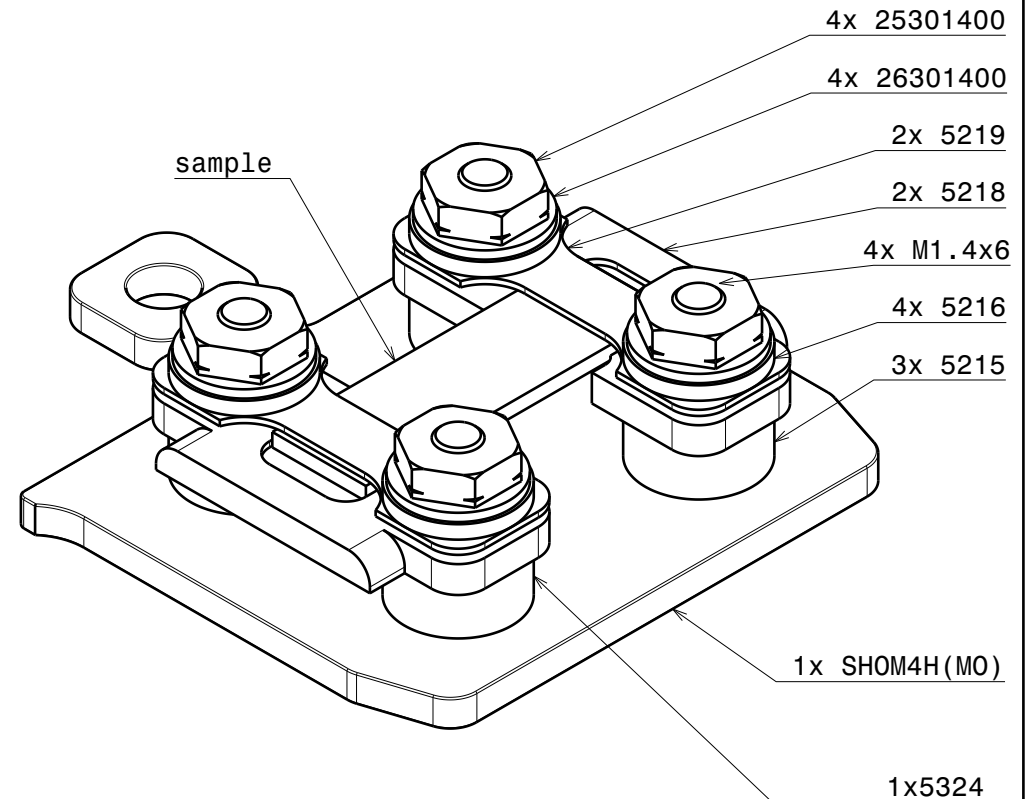
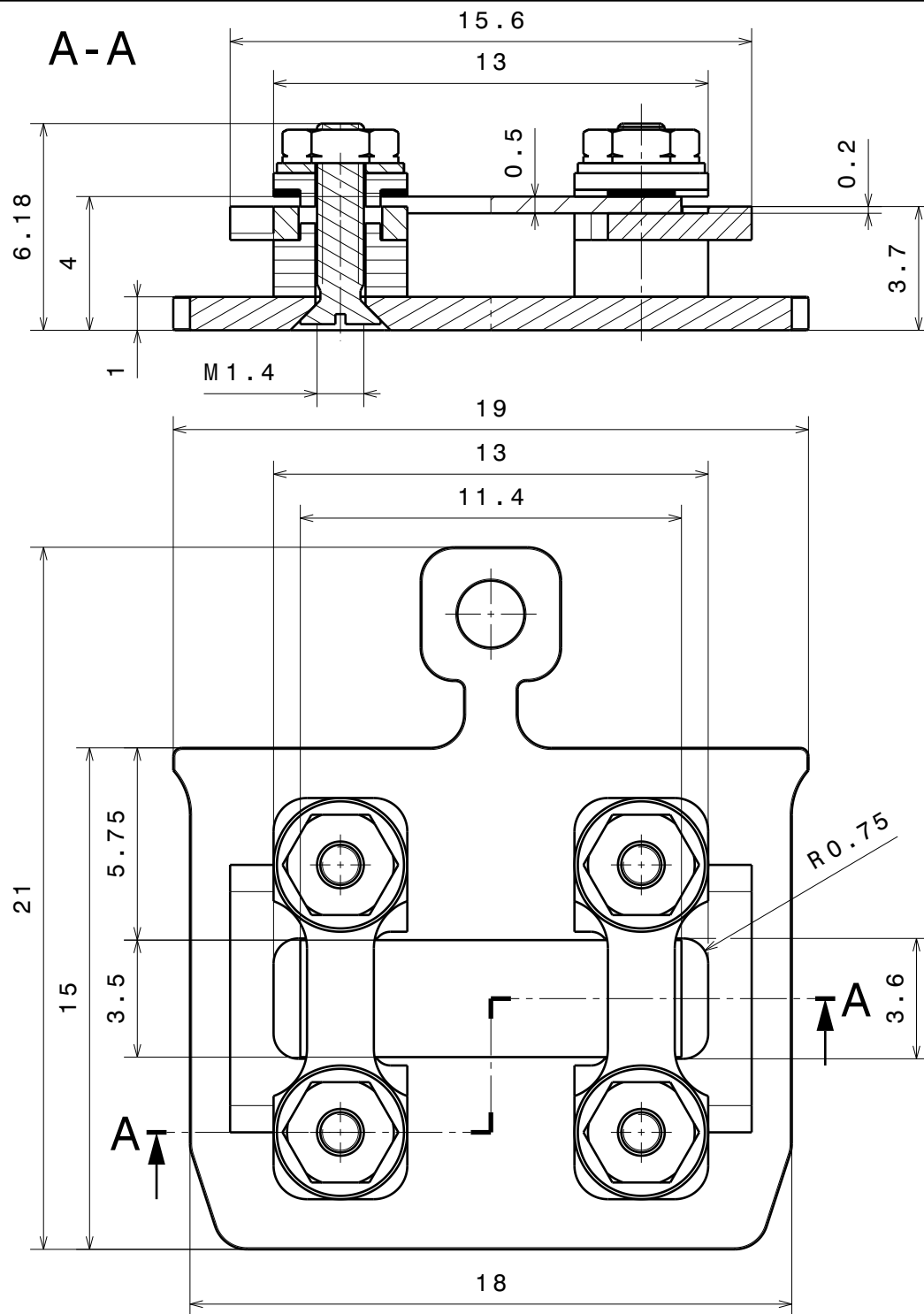
Rev.

B



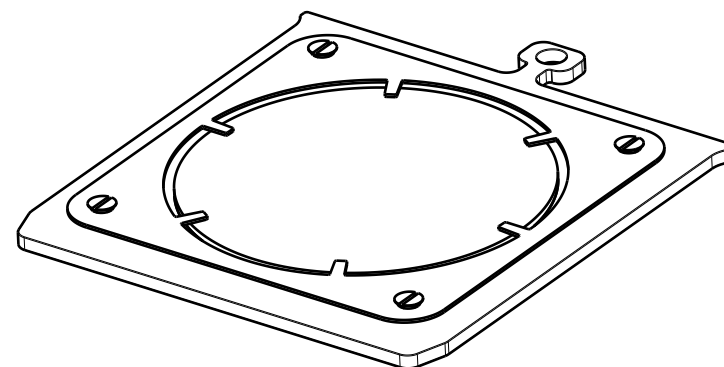
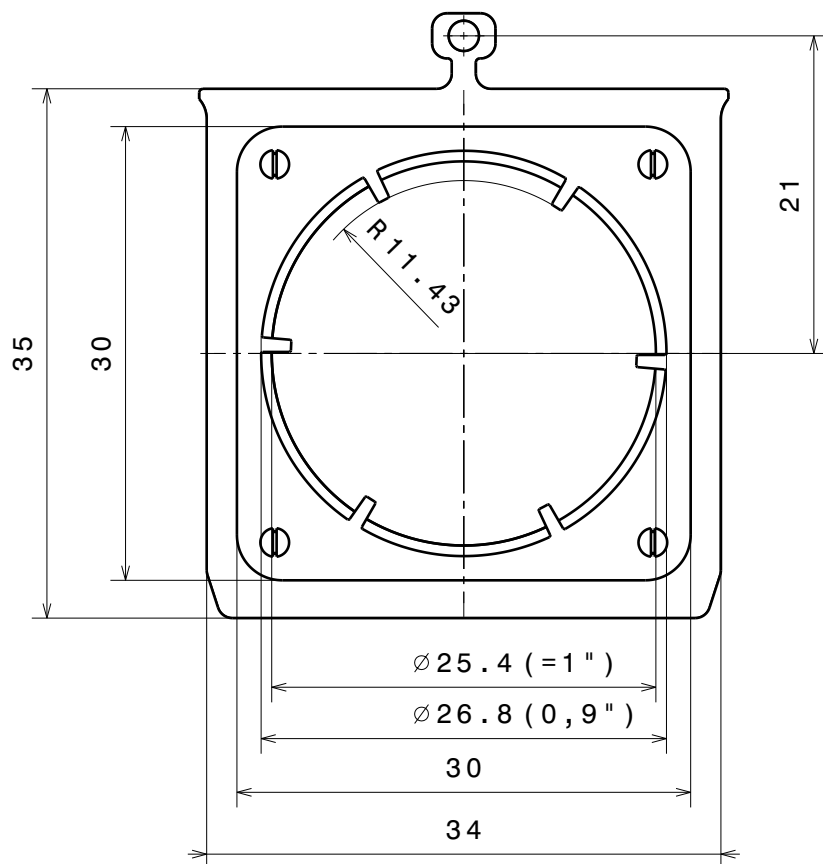
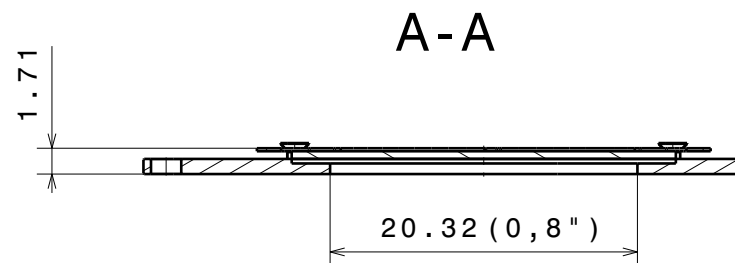
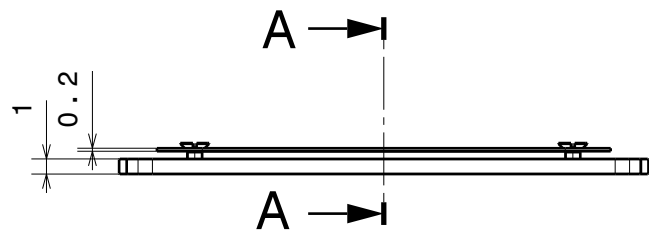


Material: Molybdenum, Al ₂ O ₃		nominal over dimension up to tolerance ± Scale 5:1 Rev. D		1		6	30	100	300	1000	
Sample holder for DC-heating				6		30	100	300	1000	2000	
				0.05		0.1	0.3	0.5	0.8	1.2	
				Drawn		O. Adlung					
				Date		23.05.2012					
				changed		7.5.15 OA					
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Material: Molybdenum, Al ₂ O ₃		nominal over dimension up to tolerance ±		1	6	30	100	300	1000
Sample holder for DC-heating				6	30	100	300	1000	2000
				0.05	0.1	0.3	0.5	0.8	1.2
		Scale		Drawn		Brunner			
				Date		10.04.2015			
				changed					
Ferrovac GmbH		5:1		SHOMDC (N)					
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CH-8050 Zurich		Rev. A		sheet 1/1					

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$\sqrt{\text{Ra } 0.8}$ (✓) $\begin{matrix} +0.2 \\ +0.1 \end{matrix}$ $\begin{matrix} -0.1 \\ -0.2 \end{matrix}$
 general tolerances ISO 2768-K

Material: fully UHV compatible			nominal over dimension up to tolerance ±		1	6	30	100	300	1000	
Sample Holder for 1inch Wafer					6	30	100	300	1000	2000	
					0.05	0.1	0.3	0.5	0.8	1.2	
					Scale		Drawn		C.Weiss		
					2:1		Date		12.07.2017		
changed											
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		Rev.		A							

