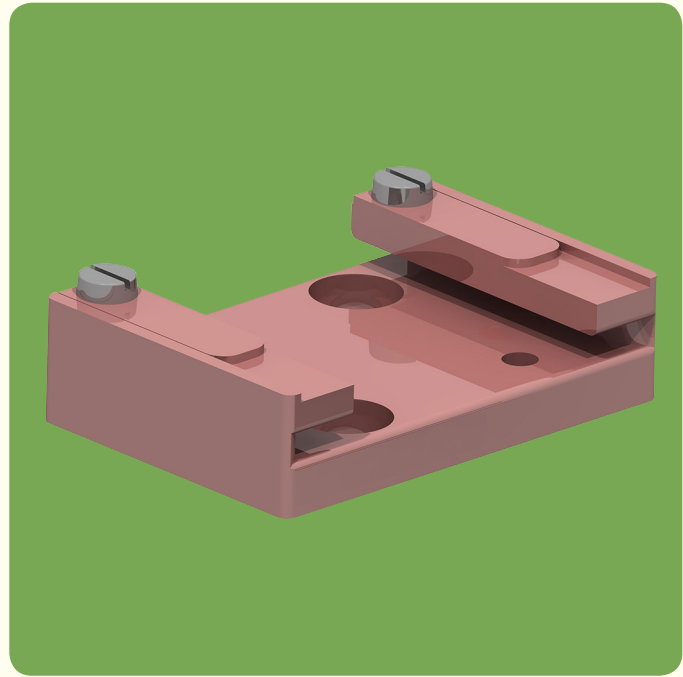


Introduction

Available in two materials, the first being made of Oxygen Free High Purity Copper (OFHC, Cu-OFE) with gold plating over non-magnetic phosphorized nickel, this sample drawer is optimized for a good thermal contact.

Alternatively, with it's melting point of 2900K, Molybdenum is an excellent choice of material for high temperature applications. At the other end, the high thermal conductivity and the low expansion coefficient also make it an ideal choice for experiments at very low temperatures below 4K.

Molybdenum leaf springs press the sample plate down onto the face of the sample drawer via two Ruby spheres. For use above 1000K, it is strongly recommended not to use Mo sample plates. Very likely, the sample plates will be welded to the receiver. Choose tungsten, Tantalum or a ceramic material instead to avoid sticking.



Description	Part Code
Receiver for M-SHOM sample plates, low temperature version, gold plated copper	M-RECOMLT(CUAU)
Receiver for M-SHOM sample plates, low temperature version, molybdenum	M-RECOMLT(MO)

Specifications:

M-RECOMLT(CUAU)

Housing: oxygen free copper Cu-OFE, gold plated over non magnetic Ni-P

Leaf springs: CuBe2, gold plated over non magnetic Ni-P

Fasteners: molybdenum

Spheres: Ruby

M-RECOMLT(MO)

Maximum temperature: ~2000K

Minimum temperature: <4K

Materials:

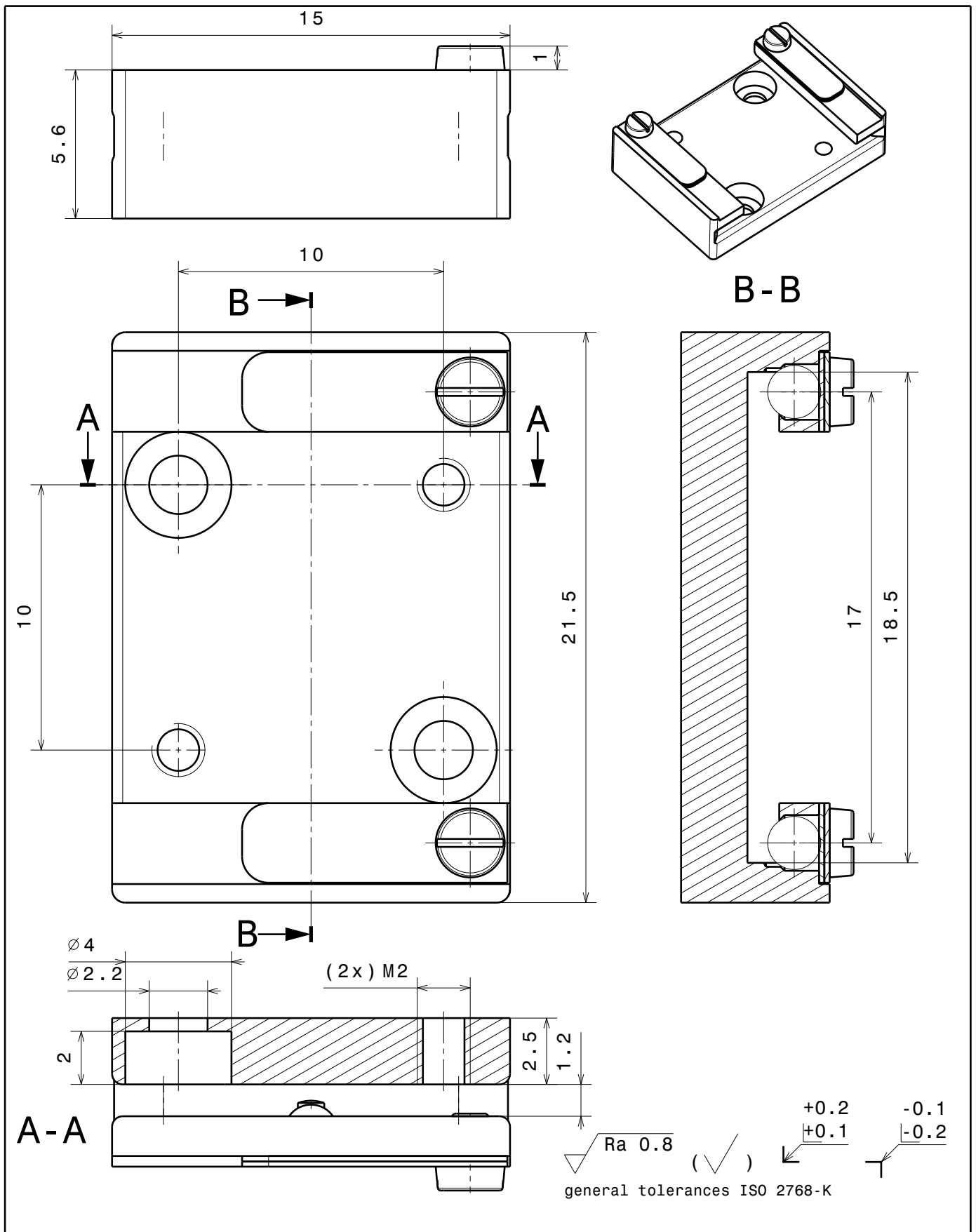
Leaf spring: molybdenum

Housing: molybdenum

Fasteners: molybdenum

Ruby spheres

Fully UHV compatible



Material:	nominal dimension	over up to	1	6	30	100	300	1000
Receptacle for SHOM sample plates	tolerance	±	6	30	100	300	1000	2000
			0.05	0.1	0.3	0.5	0.8	1.2
RECOMLT	Scale	Drawn	C.Weiss					
Ferrovac GmbH CH-8050 Zurich	5:1 (2:1)	Date	08.03.2015					
		Changed	07.02.2017 CW					
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FERROVAC GMBH. ANY REPRODUCTION IN PART OR AS WHOLE WITHOUT OUR PERMISSION IS PROHIBITED.	Rev.	B	RECOMLT sheet 1/1					