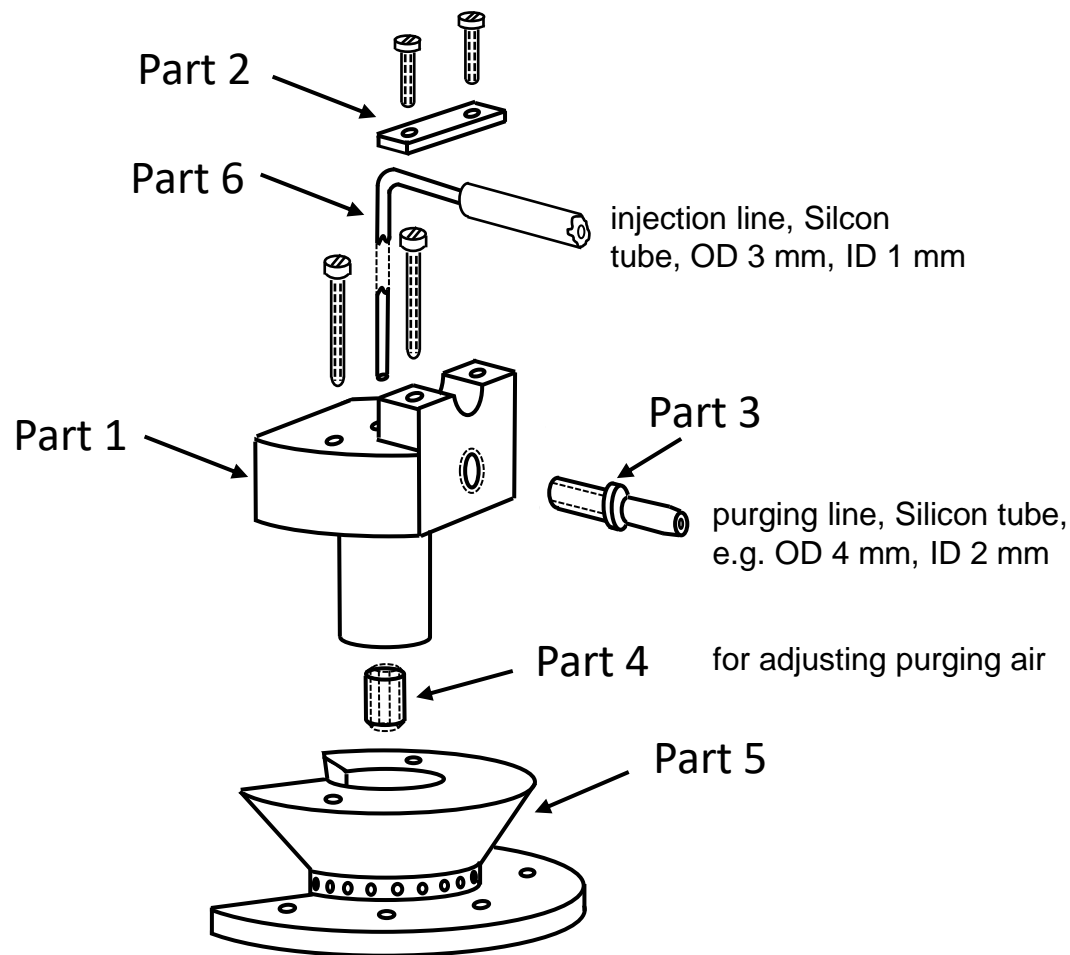


Different parts of the *in situ* injection system for Bruker MAS NMR probes:

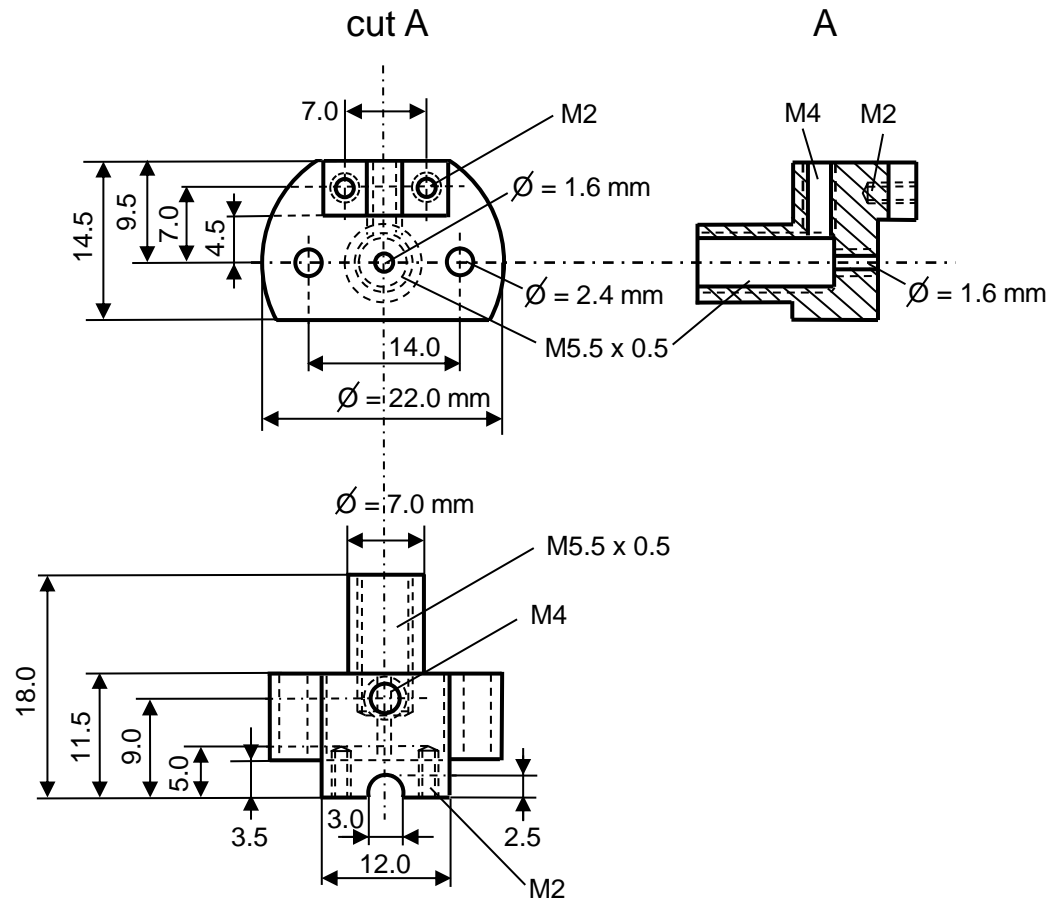


drawing not to scale!

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Part 1:

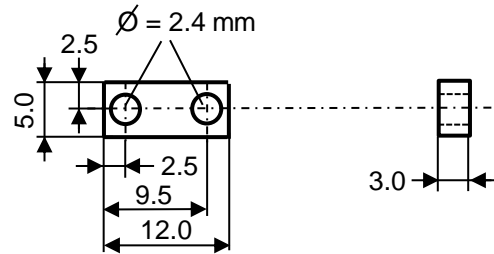
material polyphenylensulfid with 40% glass fiber (PPS GF40)



drawing not to scale!

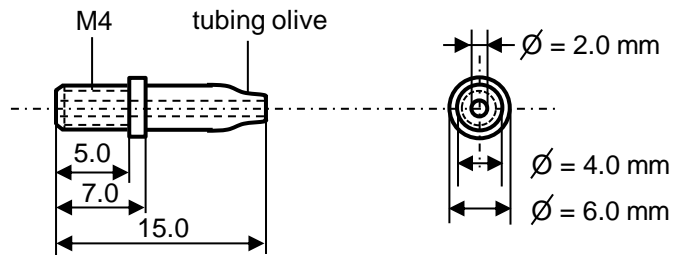
Part 2:

material polyphenylensulfid with 40% glass fiber (PPS GF40)



Part 3:

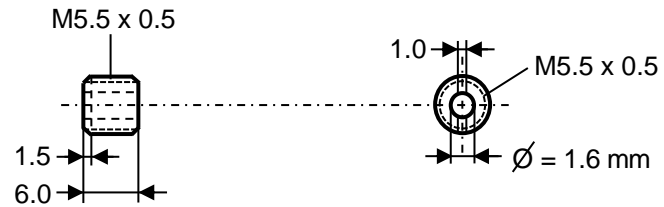
material polyphenylensulfid with 40% glass fiber (PPS GF40)



drawing not to scale!

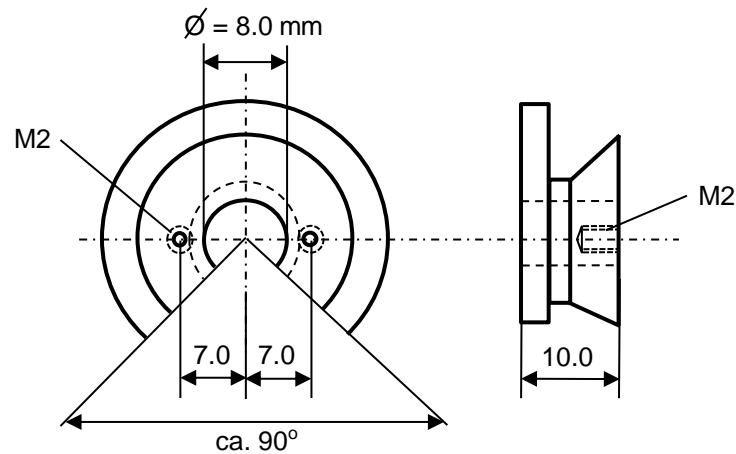
Part 4:

material polyphenylensulfid with 40% glass fiber (PPS GF40)



Part 5:

Modification of the original VESPEL part of the Bruker rotor lift system

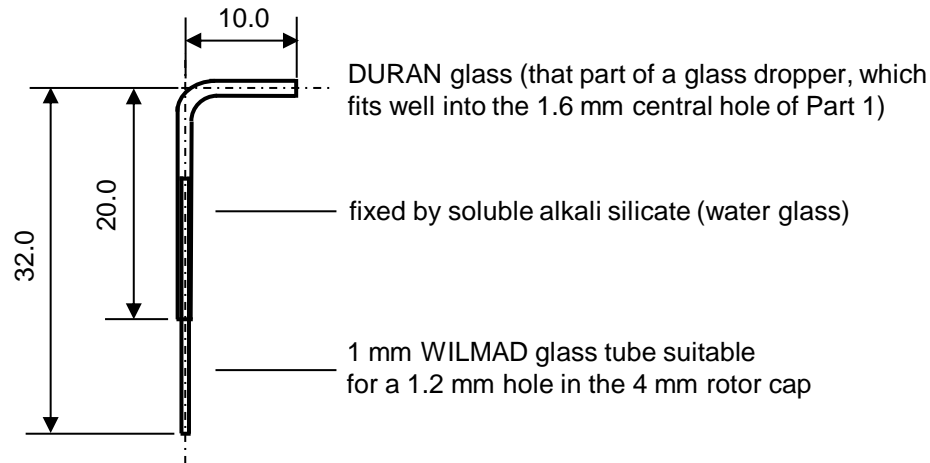


drawing not to scale!

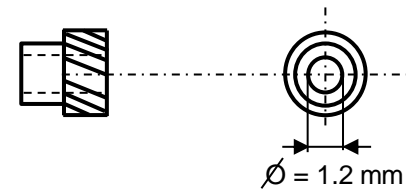
Part 6:

material DURAN glass and 1 mm WILMAD glass tube

injection tube for 4 mm MAS NMR rotors



modified 4mm Bruker MAS NMR rotor cap



Additional Materials:

2 screws M2, brass, length ca. 8 mm, for fixing Part 2 on top of Part 1

2 screws M2, brass, length ca. 14 mm, for fixing Part 1 on top of Part 5

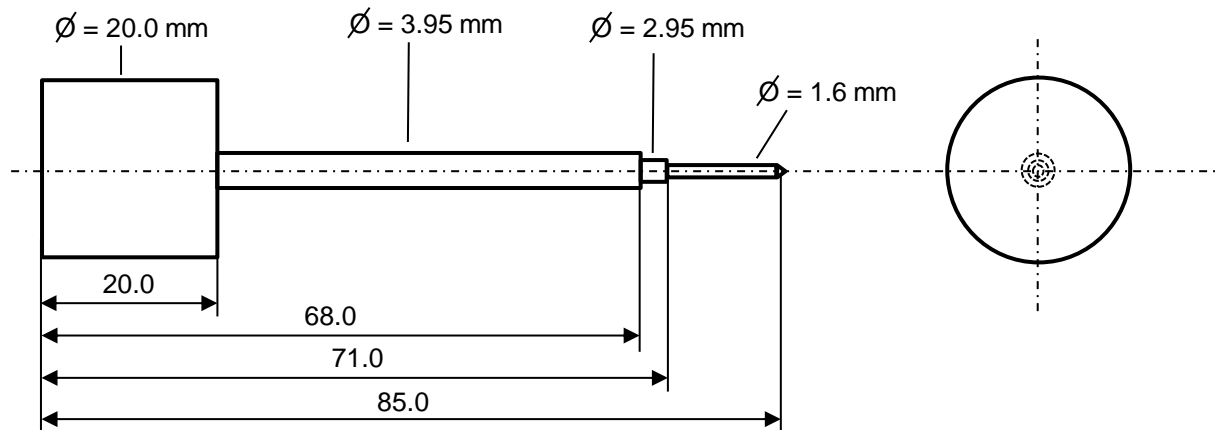
Silicon tubes for the injection line (OD 3 mm) and the purging line (e.g. OD 4 mm)

drawing not to scale!

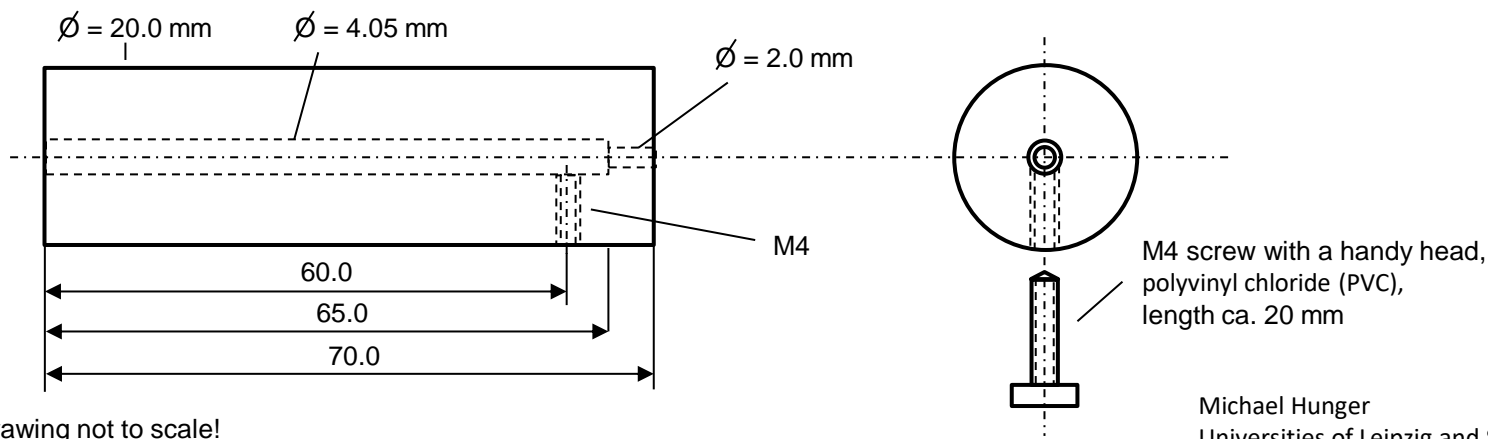
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Tool for shaping the catalyst bed to a hollow cylinder inside a 4mm Bruker MAS NMR rotor:

material brass or stainless steel



material acrylic glass (plexiglass)



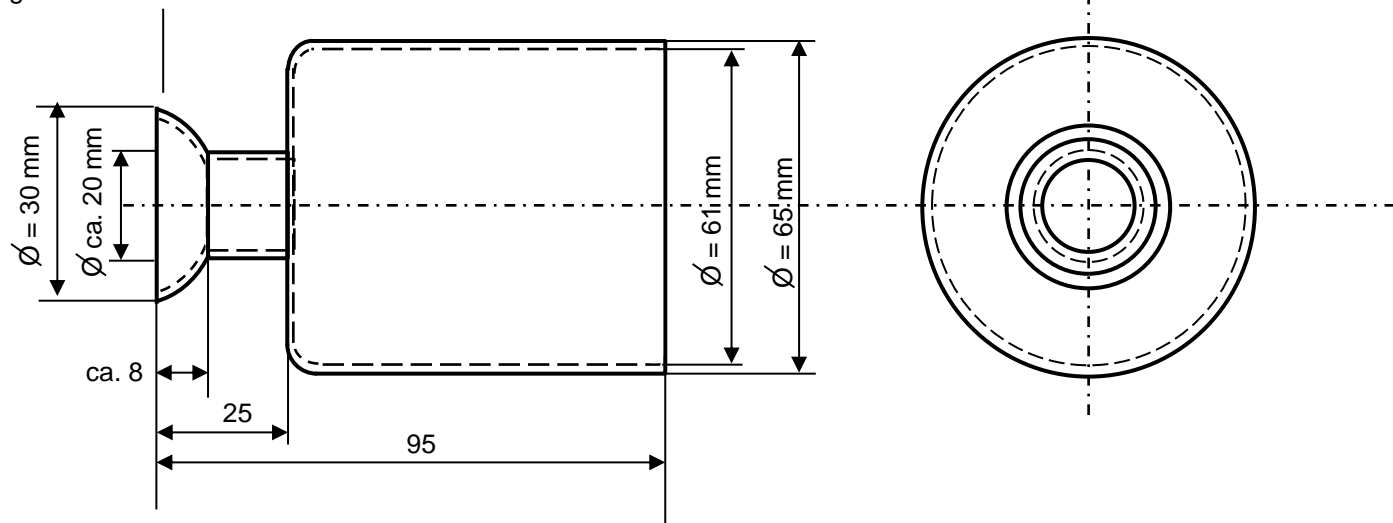
drawing not to scale!

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Glass housing for the *in situ* MAS NMR injection system:

material DURAN glass

e.g. abraded socket member 29



drawing not to scale!

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