

Specification Sheet
Microfluidics Glass Micropipettes

Parameters Parts MGM 1A-C

- Glass: thin wall borosilicate, with or without internal filament*
- Total pipette length: 5.5 ± 0.5 cm
- Outer diameter at tip (OD): 1.5 – 50+ μ m (diameter on request)
- Inner diameter at tip (ID): 1 - 50 μ m (diameter on request)
- Tip taper length: 1-5 mm
- Wall thickness at base: 0.17 mm
- Outer diameter at base (OD): 1 or 1.5 mm

See Figs.1-2 for details

Fig. 1. Representative pipette tip in 3D

Legend:

1. Only about ~25 μ m of pipette tip is shown.
2. Approximate diameters of a representative tip are shown in different views (in perspective, left; and from the top, right)

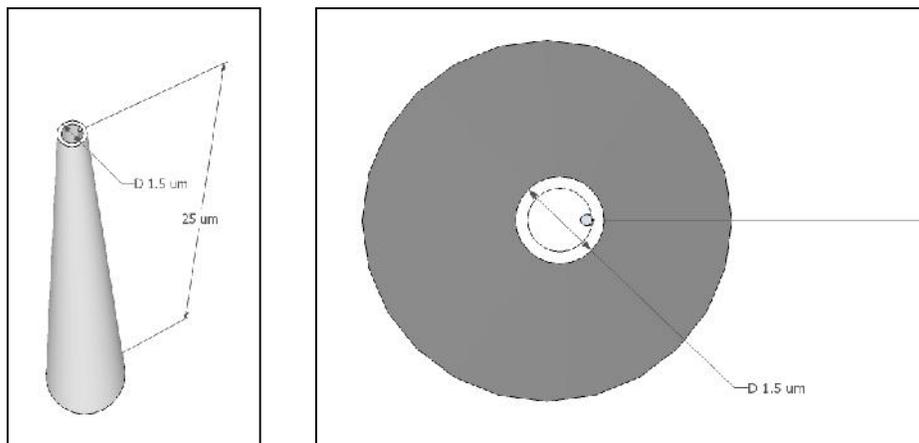
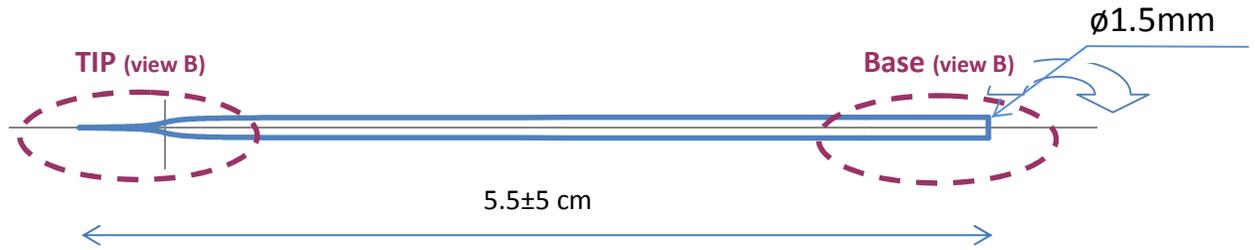


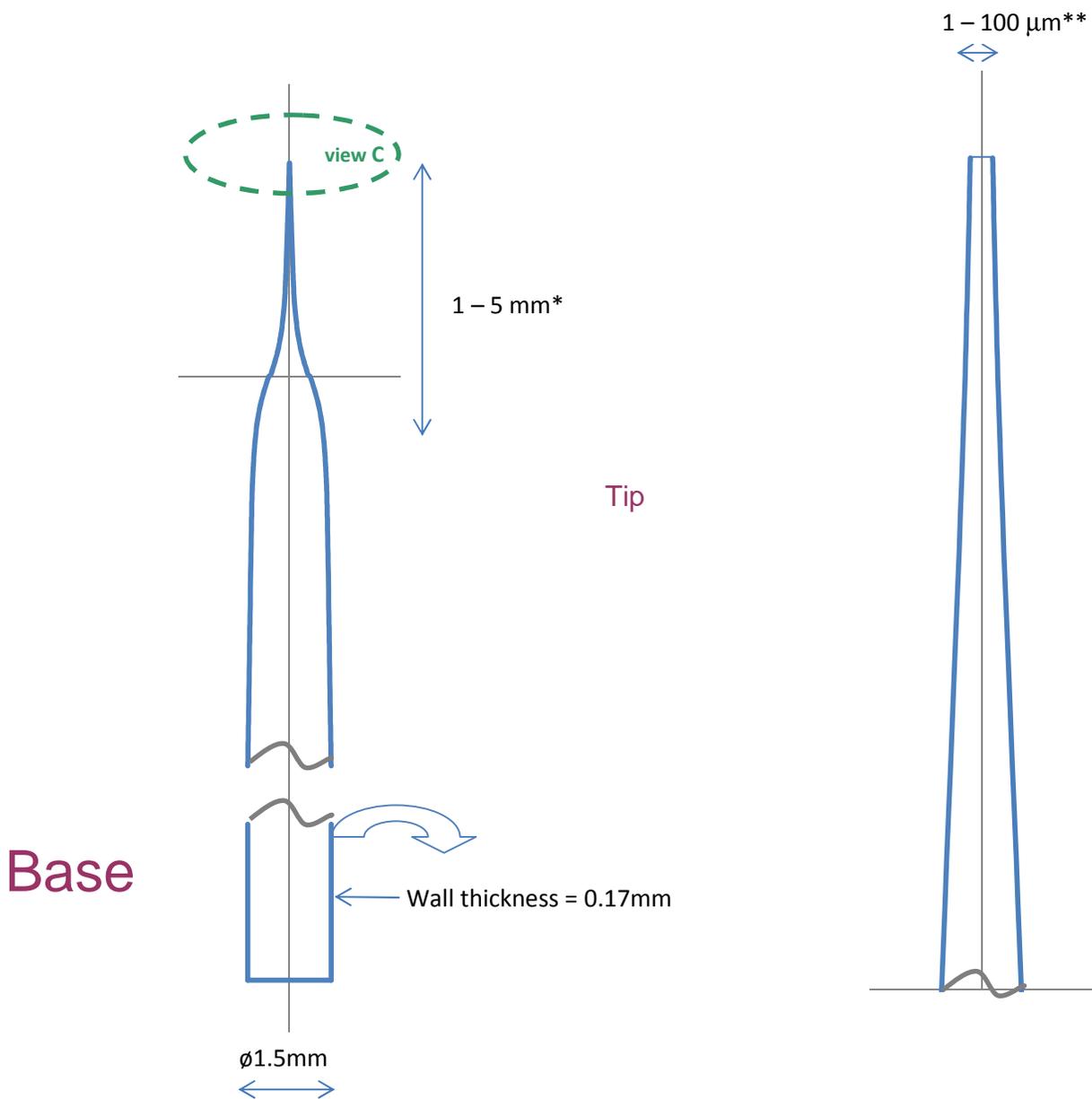
Fig. 2. Schematic diagram of a representative pipette

A



B

C



Legends. Schematics of representative glass micropipette. (Actual dimensions vary by part number).

A: General view of the pipette: Approximate proportion and geometry of a representative pipette shown with dimensional parameters. Dashed ellipses denote sections of the pipette (tip and base) detailed in panel B (rotated 90 degrees).

B: Detailed view of the tip and base of the pipette: Dashed ellipse denotes part of pipette (tip close-up) detailed in panel C.

* - "Tip length" is measured from tip and traversing downward to the section of the pipette where the diameter is approximately 90% of that at the base. This length varies according to the size of the tip opening.

C: Detailed view of the tip of the pipette.

** - Diameter of the tip is measured under a microscope and is adjustable. Typical diameter of the pipette is 2 ± 1 μm at the tip. Internal filament is not shown for clarity.
