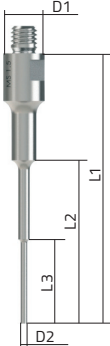
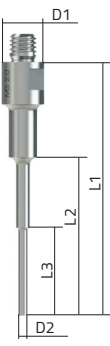
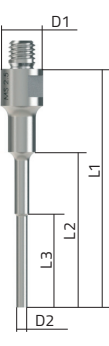


Micro tips



Based on the various shapes of the probe, different amplitudes can be transferred to each sample to be sonicated, depending upon requirements and field of application. Thanks to a high power input over the probe's comparably small radiation surface, high power densities in the liquid media can be achieved. The micro tips are primarily used for sonication of the smallest sample quantities, e.g. complex cell disruptions in biology.

The micro tips are tuned to the corresponding operating frequency. The lengths given may deviate slightly due to material tolerances in the titanium alloy.

Description	MS 1.5	MS 2.0	MS 2.5
Order No.	3639	3654	3652
Figure			
Length L1 [mm]	64	59	55
Length L2 [mm]	39	37	36
Length L3 [mm]	20	21	22
Diameter D1 [mm]	9.5	9.5	9.5
Diameter D2 [mm]	1.5	2.0	2.5
Torque [Nm]	8.5	8.5	8.5
Volumes [ml]	0.1-10	0.25-20	0.5-25
Use with	mini20		
Spanner width	SW 8		
Material	TiAl6V4 (3.7165)		
Accessories kit	-		

Micro tips



Mounting

In order to mount the micro tips to the ultrasonic converter, the appropriate spanner and the prescribed torque (when using a torque wrench) are to be used. Detailed instructions on correct mounting can be found in the accompanying SONOPULS instructions for use.

Note

- In order to attain optimal operation and a long life span, the mating surfaces of the ultrasonic converter and probe must be clean and free of damage.