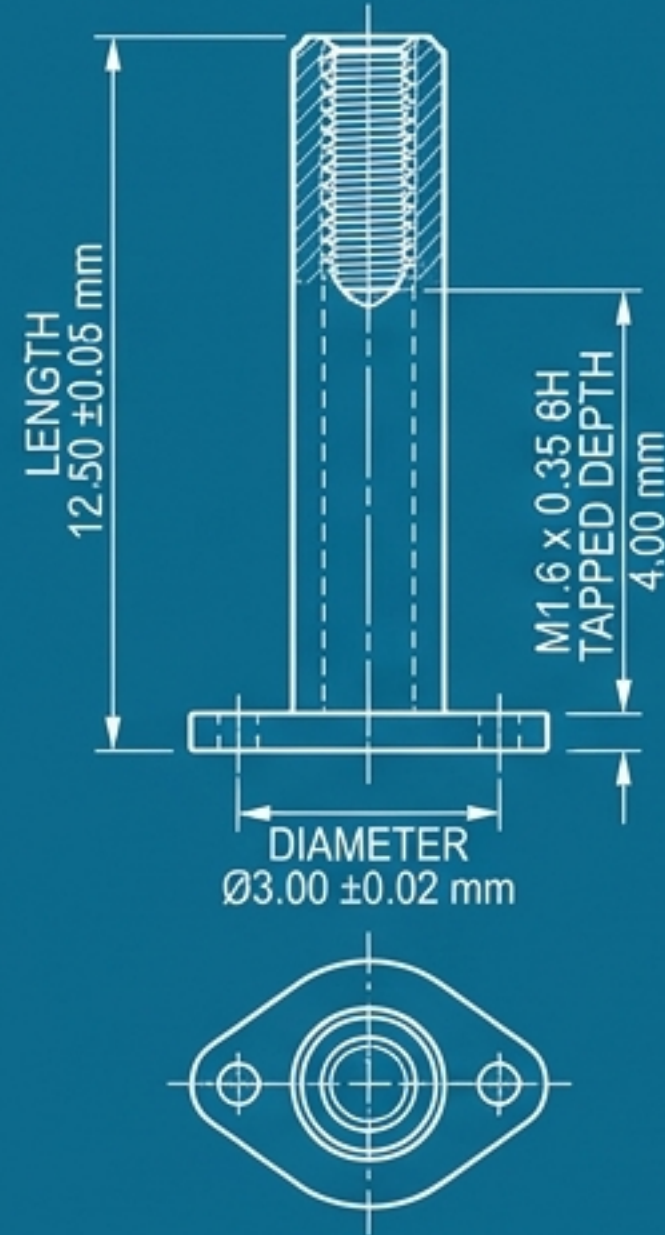
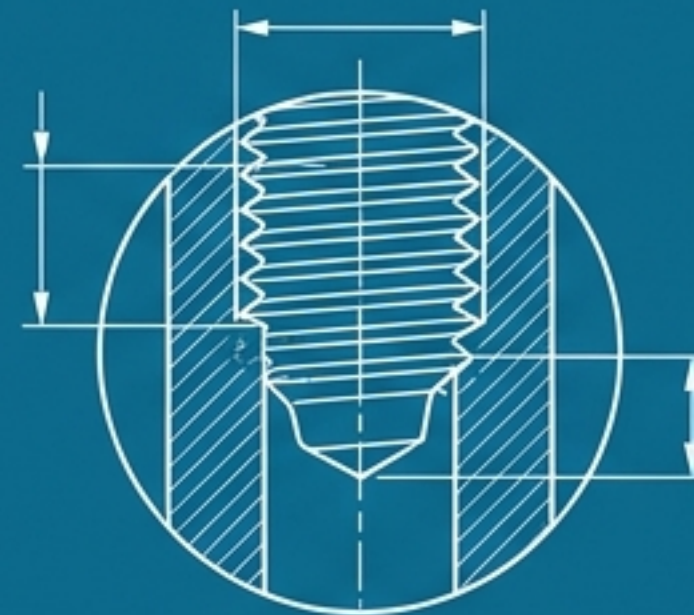
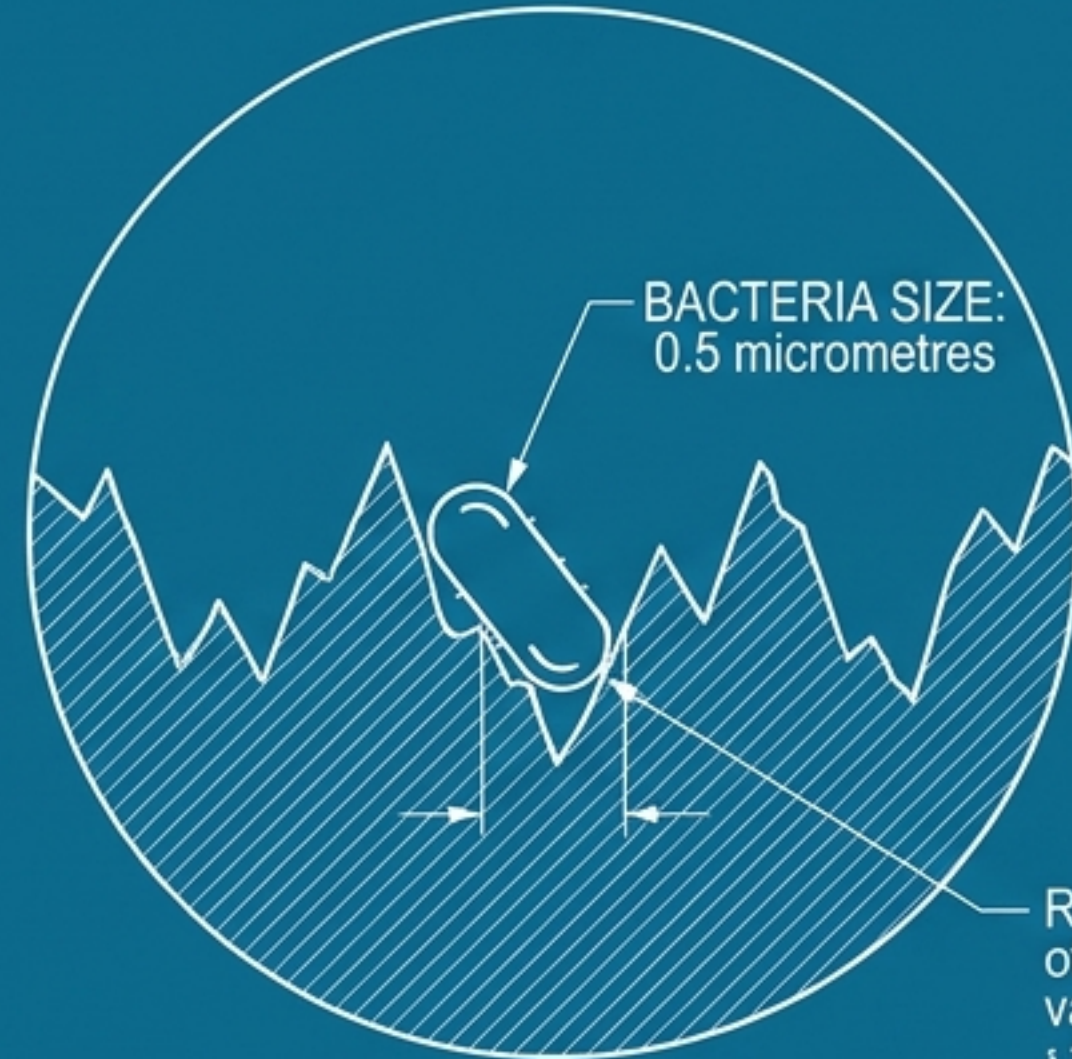


Surface finish: Ra 0.2 micrometres.
Bacteria size: 0.5 micrometres.
Threads tapped internally.
Prevent physical bacterial shelters.



DETAIL B: INTERNAL
TAPPING MECHANISM



DETAIL A: SURFACE
CROSS-SECTION &
BACTERIAL INTERACTION

Roughness average
of peak microscopic
valleys, and width to
tight clearance
channels.

Microscopic valleys shield bacteria from mechanical cleaning forces.
Demand strict mirror polish tolerances.