

# Nozzles

## Official nozzles

Qidi has their own nozzle standard (19mm length) which is shared across all 3 printers: X-Max 3, X-Plus 3 and X-Smart 3 (also used by the Q1 Pro, but it uses a different unique hotend). You can buy them directly from their website:

- [Copper plated nozzle](#)
- [Brass nozzle](#)
- [Hardened steel nozzle](#)
- [Nozzles from AliExpress](#)

## CHT Nozzles by Kingroon

CHT nozzles that improve flow and fit without any modification:

[https://s.click.aliexpress.com/e/\\_mO8CgWU](https://s.click.aliexpress.com/e/_mO8CgWU)

## V6 nozzles

Triangle-Lab sells adapter for Qidi. With that adapter can fit V6 nozzles: [Triangle-Lab adapter](#)

## Volcano nozzles

Qidi nozzles are 2mm shorter than Volcano ones (volcano ones are 21mm). You can still buy Volcano nozzles, but then you need to print spacer for probe and would be good to print new part cooling ([fan\\_duct\\_volcano.stl](#) by Balgerion), so part cooling fan doesn't blow directly on nozzle. Alternatively can cut volcano nozzle 2mm shorter to fit without mods

## Creality K1 nozzles

Creality K1 nozzles are even longer than Volcano ones. They are 23mm. To use them on Qidi printers would need bigger probe spacer, new part cooling ducts or cut 4mm off from it

Qidi nozzle, 2 volcano nozzles and Creality k1 nozzle in lineup (thnx for @Einlander for measuring and providing pics)



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