Dragon Ace™ Datasheet

Summary

Max Printing Temperature: 350℃ (1)

Mass: ~41g Includes heating element

Temperature sensor type: φ3mm Cartridge Sensor

Voltage: 24V

Power Wattage: 82W ±7% (2)

Filament diameter: 1.75mm

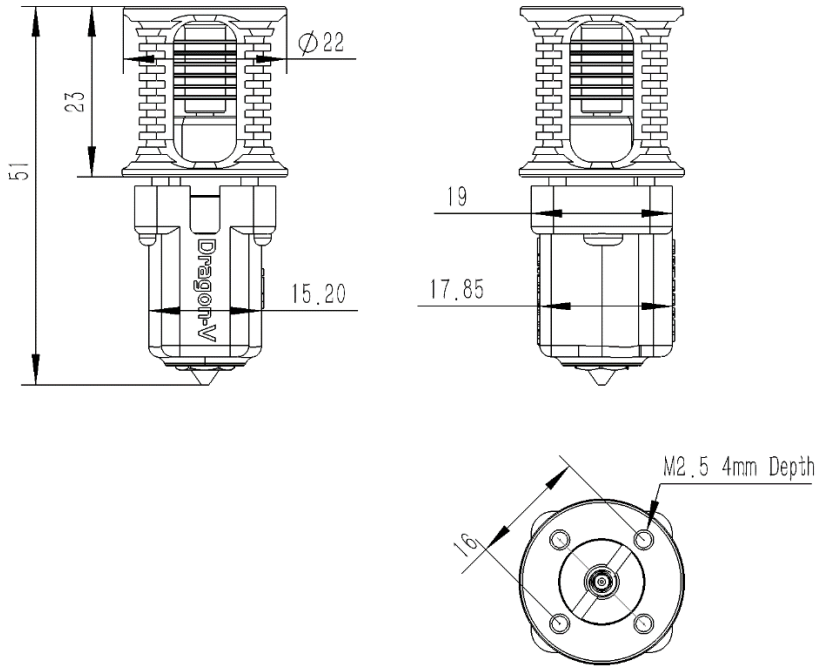
Maximum recommended ambient operating temperature (PLA): 40°C

Compatibility nozzle: V6 style with 7.5MM Thread length

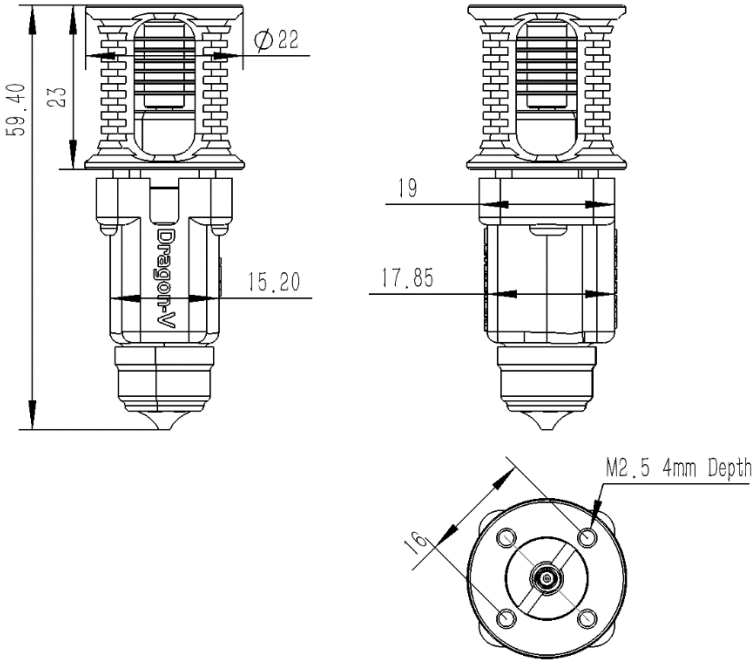
1. A temperature sensor suitable for this temperature range is required
2. Heating element resistance value of 6.5-7.5 ohms

Dimensions

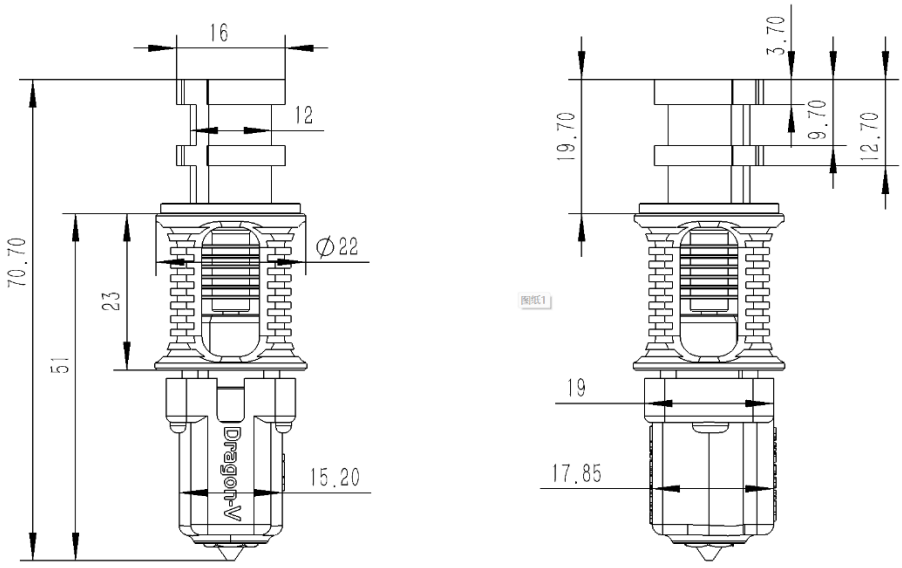
1. Dragon Ace™



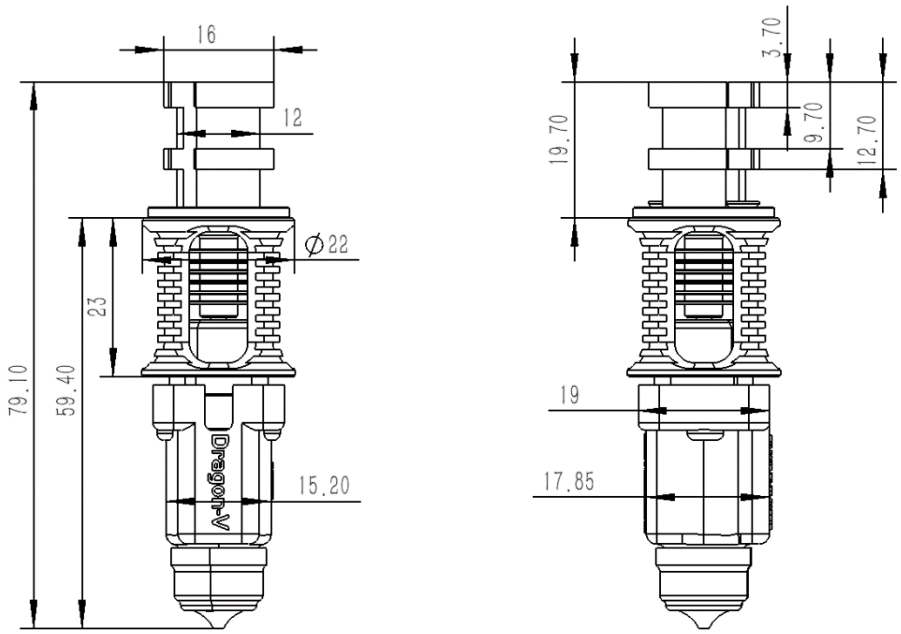
2. Dragon Ace™ plus MZE (melt zone extender)



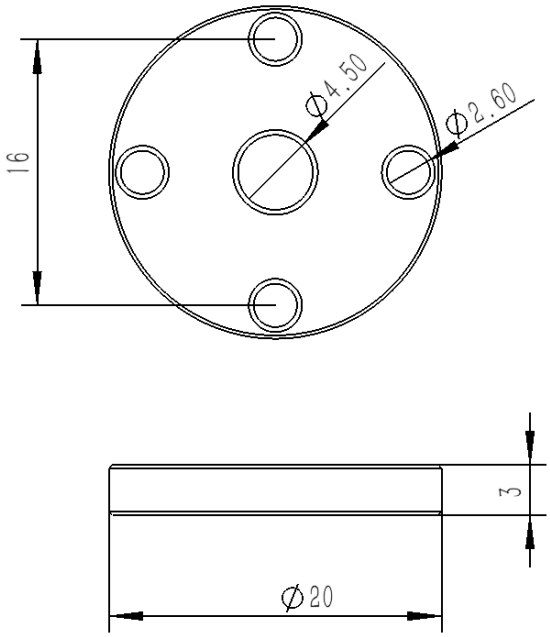
3. Dragon Ace™ with Groove Mount Adapter



4. Dragon Ace™ plus MZE (melt zone extender) with Groove Mount Adapter



5. 3MM thickness spacer for Original Dragon



Mounting

1. Using the included 3MM spacers, it can be installed in the position originally designed for the dragon, and the screws must also be lengthened.
2. Use the included V6 style adapter to install in most places designed for V6 hot-end.
3. Use 4 M2.5 screws to install directly on the tool head specially designed for Dragon Ace™.
4. The heating section of Dragon Ace™ is 8.5MM longer than that of orginal Dragon. There may be a mismatch in the height of the part

cooling fan outlet and probe. If you can find parts specifically for a volcano heating block, that's no problem at all.

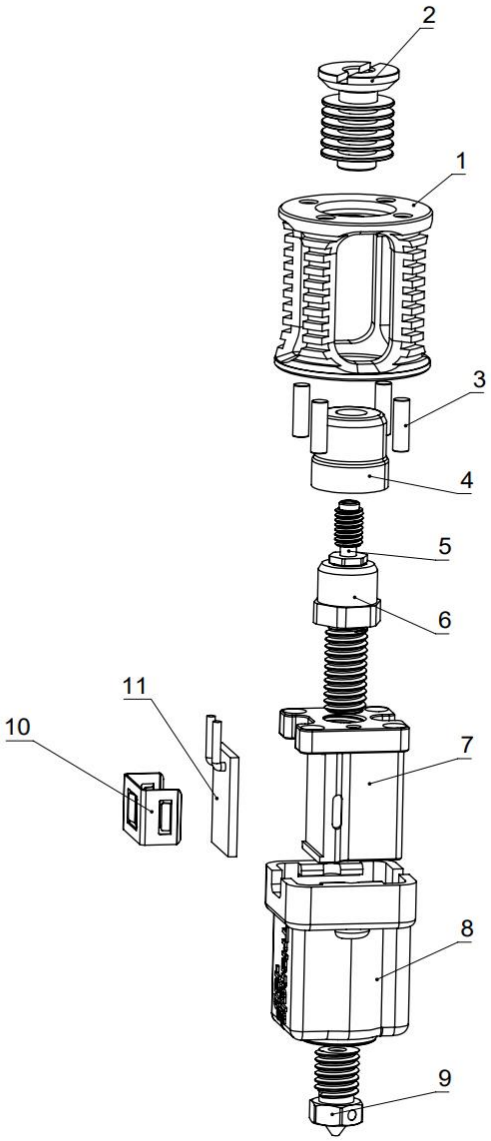
Assembly

In order to prevent leakage to the greatest extent, a heat tightening is necessary. It is recommended to tighten the nozzle with a torque of no more than 2 Nm. If the nozzle you purchased requires less than this torque, then it is okay to assemble it with the maximum torque limit of your nozzle.

Materials

Body:	Aluminum alloy (anodized)
Heater block:	Copper alloy Nickel plated
Heat breaker:	Titanium alloy
Heatsink:	Copper alloy
Heater	Alumina Bronze
Spacer:	G10/FR4

Exploded View



1 Body	7 Heater Block
2 Heatsink	8 Silicone Socks
3 Zirconia ceramic support column	9 V6 style Nozzle
4 Upper heating section insulation socks	10 Retaining Clip
5 Heat breaker	11 Ceramic Heating Element
6 Upper heating section	