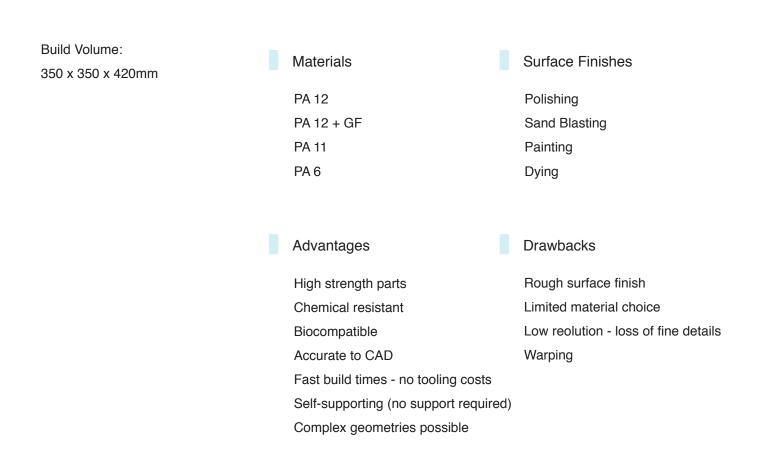
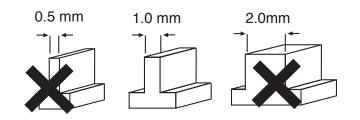
HLH Design Guide: SLS 3D Printing

Tips & Tricks- Hollow parts out with escape holes for trapped materials.- Anneal living hinges by dipping in boiling water and work back and forth.





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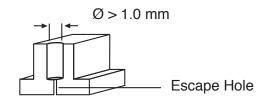


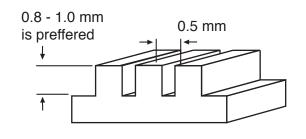
Walls

Thicker walls are at risk of warpage. Thin walls can also be a problem area. 0.7mm minimum, but 1mm is preferred.

Holes

The deeper the hole, the larger the diameter needed. All holes should be \ge 1mm. Blind holes should be designed with an escape hole to remove powder.



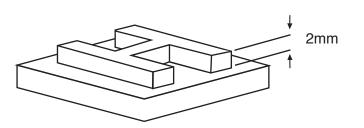


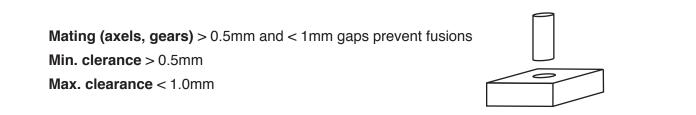
Slots

Effected by depth or thickness of the wall, ≥ 0.5 mm is minimum but will fail to print if the depth or wall thickness is over 2mm.

Text & Engraved Details

Sans serif such as Arial with a minimum font height of 2mm. Embossed text: > 1mm high. Engraved features: > 1 mm deep.







Pins

Standard tolerance is +/- 0.3mm, so any features with dimensions below this are unlikely to be printed without issue.

So, pins should be designed ≥ 0.8 mm.