

3D PRINTING

design guidelines

weerg v1.01 - 190730

FILE FORMAT

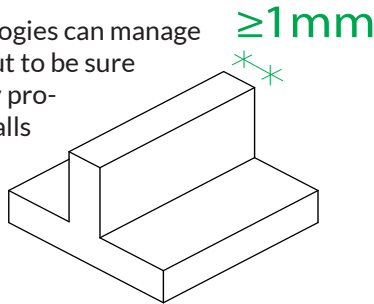
stl, .step, .stp
Only files containing SINGLE parts

MATERIALS AND MAX BUILDING VOLUME

Nylon PA12 380x284x380 mm (15x11.2x15 in) • Printing on HP 5210 MJF
Nylon PA11 335x285x457 mm (13.2x11.2x18 in) • Printing on 3D Systems ProX SLS 6100

MINIMUM THICKNESS

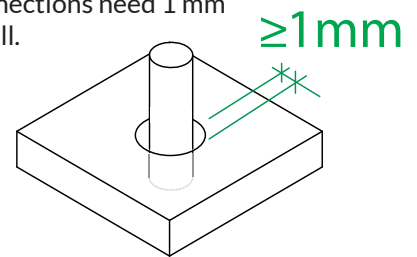
SLS and MJF technologies can manage very thin walls but to be sure of providing a quality product we only print walls with a thickness of 1mm or more.



MATING CONNECTIONS

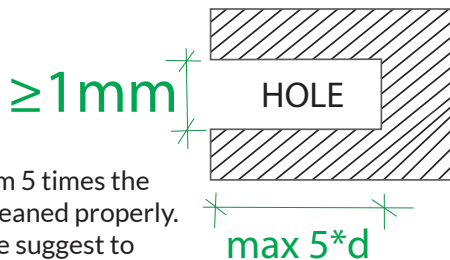
Parts with mating connections need 1 mm gap between every wall.

We only accept single part files, if not chained together.



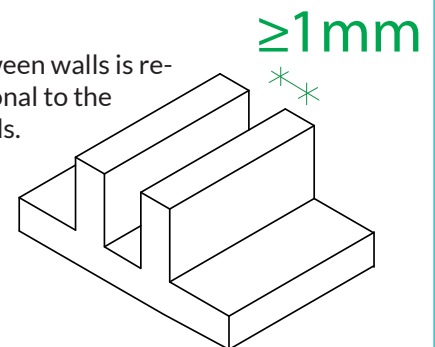
HOLES

Minimum diameter of holes is 1 mm and every hole must be maximum 5 times the diameter to be cleaned properly. On blind holes we suggest to add service holes to remove the powder.



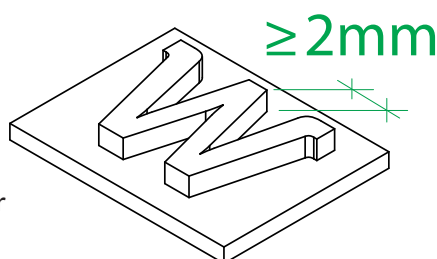
SLOTS

A 1 mm gap between walls is required, proportional to the height of the walls.



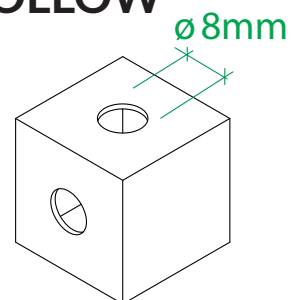
TEXT, LOGOS and EMBOSSED FEATURES

To get the best results we suggest to keep the elements of these features at least 2 mm in height or thickness.



EMPTY/HOLLOW PARTS

In this case, at least 2 holes of 8 mm in diameter must be drawn to allow powder to be discharged.



Following these simple rules will make it easier for you to get great results. If in doubt, do not hesitate to contact us by sending an email to info@weerg.com

Weerg.
Get your parts, very fast!