

Address

China Office: Room 1231, Wanjiali International Mall, Wanjiali Middle Road No.99, Furong District, Changsha, Hunan province, China, 410016



+86-731-8223-4949 for English



info@HLHProto.com

High Quality Rapid Prototypes, Rapid Injection Moldings and Rapid Parts TIPS & TRICKS: Radius internal corners

Loosen tolerances where possible

Keep all features perpendicular to 6 sides

Reduce the number of setups

Keep it simple

MAX SIZE: 3000X1200X850MM

POPULAR MATERIALS:

Plastic: ABS, PC, Acrylic

Metal: SS304, 316, Aluminium 6061, 7075

Plus many more

SURFACE FINISHES:

Polishing Sand blasting Painting

Plating & more

ADVANTAGES:

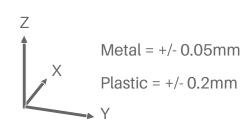
High speed
High dimensional accuracy
Great surface finish
Wide material selection
Suitable for high volume or one off prototypes

DRAWBACKS:

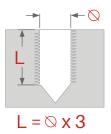
It can be expensive for complex parts and for larger parts.

TOLERANCES:

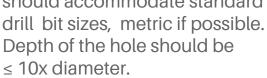
Tolerances according to ISO 2768-1. The tightest tolerances as standard are +/- 0.05mm for metals or +/- 0.2mm for plastics, otherwise discussed per project.

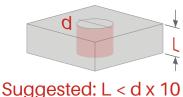


THREADS: HI H can accommodate and cut metric threads, imperial UNC and UNF, pipe threads among others. All threads should be clearly marked on your 2D drawings. Thread length of 3x the hole diameter is recommended.



HOLES: All holes < 20mm diameter should accommodate standard Depth of the hole should be





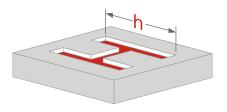
Preferred: $I < d \times 5$

TEXT & LOGOS: Engraved text is better than embossed because less

material is removed.

Text \geq 5mm high and \geq 0.8mm deep with ≥ 0.5mm clearance

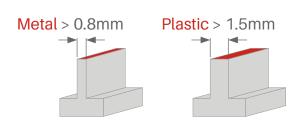
between letters.



Sans Serif 20 Point h ≥ 5mm

WALLS:

Thin walls risk warping and affecting the accuracy of the part. **HLH** recommends:



CAVITIES & POCKETS:

Will always have an internal radius.

