|  |  | Laser Sintering | Multi Jet Fusion | Stereolithography | Digital Light Processing* | Fused <br> Filament Fabrication | Materia Jetting |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Supported Walls <br> Minimum thickness of wall section connected to rest of part on two sides. | 0.028 in | 0.02 in | 0.02 in | Rigid: <br> 0.008 in <br> Flexible: <br> 0.04 in | 0.03 in | 0.04 in |
|  | Unsupported Walls <br> Minimum thickness of wall section that is connected to part on the base only, or to one other wall. | Supports not required | Supports not required | 0.04 in | Rigid: <br> 0.012 in <br> Flexible <br> 0.098 in | 0.03 in | 0.04 in |
|  | Supports \& Overhangs <br> Minimum angle (measured from print platform) at which a wall can be printed before additional support is necessary. | Supports not required | Supports not required | Base Support Otherwise $45^{\circ}$ | Rigid: <br> $25^{\circ}$ <br> Flexible: <br> $45^{\circ}$ | $45^{\circ}$ | Supports always required |
| $p^{8}$ | Embossing \& Engraving <br> Minimum dimensions of embossed or engraved features upon the object surface. | Width: <br> 0.04 in <br> Height/Depth: <br> 0.04 in | Width: <br> 0.04 in <br> Height/Depth: <br> 0.04 in | Width: <br> 0.016 in <br> Height/Depth: 0.016 in | $\begin{aligned} & \text { Rigid: } \\ & \text { W: } 0.008 \text { in } \\ & \text { H/D: } 0.004 \text { in } \\ & \text { Flexible: } \\ & \text { W: } 0.035 \text { in } \\ & \text { H/D: } 0.02 \text { in } \end{aligned}$ | Width: <br> 0.024 in <br> Height/Depth: <br> 0.079 in | Width: <br> 0.02 in <br> Height/Depth: <br> 0.02 in |
|  | Horizontal Spans <br> Maximum distance between supporting structures that a surface can traverse without additional support. | Supports not required | Supports not required | 0.08 in | Rigid: <br> 0.12 in <br> Flexible: <br> 0.04 in | 0.4 in | Supports always required |
|  | Holes \& Openings <br> Minimum diameter opening for successful build. | 0.02 in | 0.02 in | 0.02 in | Rigid: <br> 0.008 in <br> Flexible: <br> 0.035 in | 0.04 in | 0.02 in |
|  | Connecting \& Moving Parts <br> Recommended minimum clearance for moving parts or connected assemblies printed in place. | Moving: <br> 0.012 in <br> Connecting <br> 0.006 in | Moving: <br> 0.012 in <br> Connecting: <br> 0.006 in | 0.03 in | Rigid: 0.01 in <br> Flexible: 0.03 in | 0.008 in | 0.008 in |
|  | Escape Holes <br> Minimum diameter of an opening that can allow material and powder to be removed. | 0.04 in | 0.04 in | 0.04 in | 0.04 in | 0.04 in | 0.04 in |
|  | Minimum Features <br> The smallest size feature on a part for successful build. | 0.03 in | 0.03 in | 0.008 in | Rigid: <br> 0.004 in <br> Flexible: <br> 0.04 in | 0.08 in | 0.02 in |
|  | Pin Diameter <br> Minimum recommended diameter of small spire features. | 0.02 in | 0.03 in | 0.03 in | Rigid: <br> 0.004 in <br> Flexible: <br> 0.04 in | 0.04 in | 0.02 in |
| Visit prototek.com | more information. |  |  |  | *Variable de <br> **All toleranc | ending on materia listed are " best | used. <br> case" scenarios. |

ideas made.

