

# Universal Lockable Joint

## 3D PRINTING GUIDE

### 3D Printing Summary

Metrics	Metric Standard	Imperial Standard
Total Print Time (min)	1110	1110
Total Number of Components	3	3
Typical Total Mass (g)	619	619
Typical Number of Print Setups	1	1

### 3D Printing Settings

	Print File Name	Qty	Total Print Time (hr:min)	Mass (g)	Infill (%)	Support (Y/N)	Layer Height/ Nozzle Diameter (mm)	Notes (orientation, special settings, etc)
Required	Left_Side.stl	1	8:30	30	20	N	0.2	<ul style="list-style-type: none"> <li>- Recommend 4 or 5 shells/perimeters.</li> <li>- Print “standing”, as seen in pictures below.</li> </ul>
	Right_Side.stl	1	8:30	30	20	N	0.2	<ul style="list-style-type: none"> <li>- Same notes as “Left Side” above.</li> </ul>
	Handle.stl	1	1:30	18	20	N	0.2	<ul style="list-style-type: none"> <li>- Print with flat face on print bed, as seen in picture.</li> </ul>
Optional	Large_Handle.stl	-	2:00	22	20	N	0.2	<ul style="list-style-type: none"> <li>- This is an alternate design to the Handle</li> </ul>
	Bolt_Cover	-	6:02	60	20	N	0.2	<ul style="list-style-type: none"> <li>- Only required if the bolt is longer than intended and is sticking out</li> </ul>

### Post-Processing

- Light sanding might be necessary to correct any sharp edges.

### Customization Options

- PETG recommended, PLA works well.
- Color of print is up to personal preference.
- Ensure that correct configuration is used based on fasteners purchased, if M10 bolt and nut use metric, if 3/8” nut and bolt use imperial.

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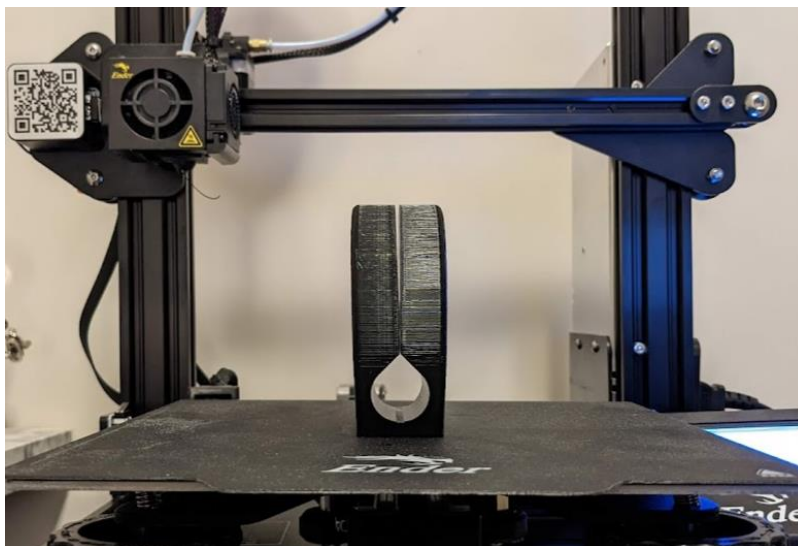
### Examples of Quality Prints:

#### Photos of Component 1 (Left\_Side):



\*Left Shell includes hexagonal indentation on the side, for fitting bolt head.

#### Photos of Component 2 (Right\_Side):



\* Same as Left\_Side, except for omission of hexagonal indentation

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### Photos of Component 3 (Handle):

