

# Crush ribs

## Created by:

Mikey Strauss.

## Description:

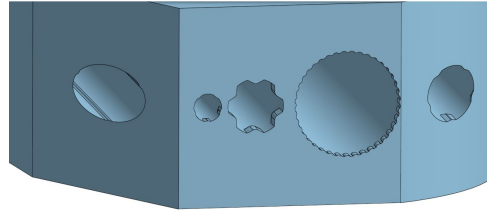
Creates evenly spaced crush ribs inside a cylindrical hole for press-fit retention. Ribs are sketched automatically, extruded along the hole axis, optionally trimmed to a surface, filleted, and merged into the parent body.

## Prerequisites:

A cylindrical hole face,  
(Optional) A trim face

## Notes:

- Rib height must be smaller than the hole radius. If trimming removes the ribs or keeps the wrong side, toggle Invert trim side. Use Flip axis to start ribs from the opposite end of the hole.



**Crush ribs 5** ✓ ✗

Hole face  
Face of Ø 10 mm ↓ 100 mm ✗

Trim face (optional)  
Face of Sweep 1 ✗

Number of ribs


Rib width (chord)

Rib height (radial)

Rib length (axial)

Rib tip fillet radius

Rib head fillet radius

Axial offset into body  

☐ Invert trim side

Hole to place ribs in

Surface to cut rib ends

Count of ribs around hole

Rib width along hole wall

Rib inward protrusion

Rib depth down the hole

Fillet at rib tip

Fillet at rib base

Shift ribs / start from opposite end

Keep other trim side