



Crush ribs

Created by:

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Description:

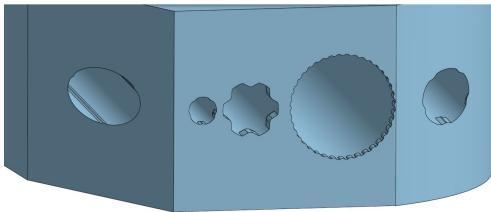
Creates evenly spaced crush ribs inside a cylindrical hole for press-fit retention. Ribs are sketched automatically, extruded along the hole axis, optionally trimmed to a surface, filleted, and merged into the parent body.

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	3	Count of ribs around hole
Rib width (chord)	1 mm	Rib width along hole wall
Rib height (radial)	0.15 mm	Rib inward protrusion
Rib length (axial)	90 mm	Rib depth down the hole
Rib tip fillet radius	0.5 mm	Fillet at rib tip
Rib head fillet radius	0.2 mm	Fillet at rib base
Axial offset into body	0 mm	Shift ribs / start from opposite end
<input type="checkbox"/> Invert trim side		Keep other 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