

Selecting an edge chain for a fillet

CAD-005 / REV A / 2026.09.01

A fillet should follow the intended continuous edge set and leave enough surrounding material.

STATUS	Recovered/Partial
CLASSIFICATION	CAD
MATERIAL	CAD / AUTOMATION
DISPOSITION	PUBLIC / RECOVERED/PARTIAL
CATEGORY	CAD / Scanning / Automation
RECORD TYPE	how-to

GOAL

Run the first test described in this guide and record the result for selecting an edge chain for a fillet.

SOURCE STATE

New reference guidance; not a recovered test result

EQUIPMENT

- CAD / automation tool
- Representative test model
- Measurement or inspection method

METHOD / STEPS

1. Select the first edge and inspect which connected edges the application highlights.
2. Add only the needed neighboring edges, checking around the back of the body as well.
3. Apply a small radius first and increase gradually while watching corners and narrow areas.
4. If the operation fails, isolate one edge or chain at a time to locate the limiting geometry.

THINGS TO WATCH FOR

Tangent continuity, tiny sliver edges and intersecting fillets affect propagation. Selecting a face or body is not the same as selecting its perimeter. A larger radius can consume a thin feature.

FIRST TEST / WHAT TO RECORD

The fillet covers the intended chain and the model still rebuilds and exports as expected.

RESULT / WHERE THIS STANDS

The fillet covers the intended chain and the model still rebuilds and exports as expected.

TROUBLESHOOTING

- Tangent continuity, tiny sliver edges and intersecting fillets affect propagation. Selecting a face or body is not the same as selecting its perimeter. A larger radius can consume a thin feature.

SPECIFICATION

TOOL PATH	CAD / automation tool
DELIVERABLE	HOW-TO
VALIDATION	Representative model / known dimension
STATUS	Recovered/Partial

DEVELOPMENT HISTORY

2026.09.01 / Rev A

Imported as an independent manifest record; public copy keeps uncertainty visible.

REFERENCE NOTES

Shapr3D Chamfer/Fillet (<https://support.shapr3d.com/hc/en-us/articles/7874402399900-Chamfer-Fillet>).

HOW-TO SOURCES

Shapr3D Chamfer/Fillet

<https://support.shapr3d.com/hc/en-us/articles/7874402399900-Chamfer-Fillet>

RELEASED MATERIAL / SOURCE LINKS

cad-005-public-summary.txt

PUBLIC SUMMARY / RECOVERED NOTES

<https://u225x.com/downloads/manifest-records/cad-005-public-summary.txt>

RETURN TO THE LIVING RECORD

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This PDF preserves the public notes at this revision. Visit the record for updates and attached images.

<https://u225x.com/record/CAD-005>