

Inventor iLogic rule 023 selectable-face hole pattern

CAD-036 / REV A / 2026.09.01

Define a hole pattern from an explicitly selected planar face and meaningful edge references. Work on a copy first. Record application version, units and active document/configuration. Names below identify the catalogued workflow; they do not claim a particular button layout or verified implementation.

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

TECHNICAL NOTES

Define a hole pattern from an explicitly selected planar face and meaningful edge references.

GOAL

Run the first test described in this guide and record the result for inventor ilogic rule 023 selectable-face hole pattern.

SOURCE STATE

Operational reference/specification; original rule or add-in source not inspected

PREPARATION / NOTES

Work on a copy first. Record application version, units and active document/configuration. Names below identify the catalogued workflow; they do not claim a particular button layout or verified implementation.

EQUIPMENT

- Inventor / iLogic
- Representative test model
- Measurement or inspection method

METHOD / STEPS

1. Validate a part document and planar face selection; handle user cancellation before starting an edit.
2. Create a sketch in the face coordinate system and project the required reference edges.
3. Place hole centers using constrained offsets and spacing, with explicit units and edge clearances.
4. Create the intended hole feature, update the document and commit only if the expected holes are present.

THINGS TO WATCH FOR

Model-space coordinates and sketch-space coordinates differ. A circular or curved edge may not define the intended offset direction. Do not assume the original rule 023 code was recovered.

FIRST TEST / WHAT TO RECORD

A second face orientation produces the same intended relative pattern without mirrored or off-face holes.

RESULT / WHERE THIS STANDS

A second face orientation produces the same intended relative pattern without mirrored or off-face holes.

TROUBLESHOOTING

- Model-space coordinates and sketch-space coordinates differ. A circular or curved edge may not define the intended offset direction. Do not assume the original rule 023 code was recovered.

SPECIFICATION

TOOL PATH	Inventor / iLogic
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

Autodesk reference (<https://aps.autodesk.com/developer/overview/inventor-api>).

HOW-TO SOURCES

Autodesk reference

<https://aps.autodesk.com/developer/overview/inventor-api>

RELEASED MATERIAL / SOURCE LINKS

[cad-036-public-summary.txt](#)

PUBLIC SUMMARY / RECOVERED NOTES

<https://u225x.com/downloads/manifest-records/cad-036-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-036>
