

Flat-then-rotate-landscape combined rule

CAD-045 / REV A / 2026.09.01

Run the flat-pattern update before orientation and derived exports so later steps use current geometry. 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

Run the flat-pattern update before orientation and derived exports so later steps use current geometry.

GOAL

Run the first test described in this guide and record the result for flat-then-rotate-landscape combined rule.

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

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

METHOD / STEPS

1. Validate the part and save the initial active state/orientation.
2. Run flat-pattern creation/update and stop the sequence if it fails.
3. Measure the intended flat extents, choose the approved landscape orientation and apply it deterministically.
4. Refresh size properties and export, then restore any state that the workflow promises to preserve.

THINGS TO WATCH FOR

Do not continue with stale geometry after an earlier failure. Near-square parts need a stable tie-breaker to avoid alternating orientation on reruns.

FIRST TEST / WHAT TO RECORD

Two runs produce identical orientation, dimensions and filenames for the unchanged part.

RESULT / WHERE THIS STANDS

Two runs produce identical orientation, dimensions and filenames for the unchanged part.

TROUBLESHOOTING

- Do not continue with stale geometry after an earlier failure. Near-square parts need a stable tie-breaker to avoid alternating orientation on reruns.

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

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-045-public-summary.txt

PUBLIC SUMMARY / RECOVERED NOTES

<https://u225x.com/downloads/manifest-records/cad-045-public-summary.txt>

RETURN TO THE LIVING RECORD

Flat-then-rotate-landscape combined rule

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

<https://u225x.com/record/CAD-045>