

Stock and flat-pattern size properties

CAD-043 / REV A / 2026.09.01

Report stock dimensions from a defined geometry state and orientation. 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

Report stock dimensions from a defined geometry state and orientation.

GOAL

Run the first test described in this guide and record the result for stock and flat-pattern size properties.

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. Identify whether the record needs raw-stock size, folded bounds or flat-pattern extents.
2. Update the relevant geometry and measure in the approved coordinate system.
3. Convert to the requested units and apply the documented rounding or stock allowance separately from the measured dimension.
4. Write clearly named properties and compare them to a manual measurement.

THINGS TO WATCH FOR

Axis-aligned bounds can grow when a part rotates. Nominal stock allowance is not actual geometry. Do not mix inches and centimeters in API-derived values.

FIRST TEST / WHAT TO RECORD

The property labels make measured size and purchase allowance distinguishable.

RESULT / WHERE THIS STANDS

The property labels make measured size and purchase allowance distinguishable.

TROUBLESHOOTING

- Axis-aligned bounds can grow when a part rotates. Nominal stock allowance is not actual geometry. Do not mix inches and centimeters in API-derived values.

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://www.autodesk.com/support/technical/article/caas/sfdcarticles/sfdcarticles/How-to-display-flat-pattern-extents-in-iproperties-in-Inventor-using-iLogic.html>).

HOW-TO SOURCES

Autodesk reference

<https://www.autodesk.com/support/technical/article/caas/sfdcarticles/sfdcarticles/How-to-display-flat-pattern-extents-in-iproperties-in-Inventor-using-iLogic.html>

RELEASED MATERIAL / SOURCE LINKS

cad-043-public-summary.txt

PUBLIC SUMMARY / RECOVERED NOTES

<https://u225x.com/downloads/manifest-records/cad-043-public-summary.txt>

RETURN TO THE LIVING RECORD

Stock and flat-pattern size properties

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

<https://u225x.com/record/CAD-043>