

Scale drawing view to fit

CAD-059 / REV A / 2026.09.01

Fit a view group into a defined usable region while preserving drawing conventions. 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

Fit a view group into a defined usable region while preserving drawing conventions.

GOAL

Run the first test described in this guide and record the result for scale drawing view to fit.

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. Calculate the usable sheet rectangle after title block, notes and tables are reserved.
2. Measure the view or related-view group bounds in consistent sheet units.
3. Choose an allowed standard scale that fits, then move the group into its region.
4. Rebuild and recheck dimensions and projected-view relationships after scaling.

THINGS TO WATCH FOR

Scaling only the parent view can leave annotations or related views outside the sheet. Arbitrary tiny scales may be unreadable even if they technically fit.

FIRST TEST / WHAT TO RECORD

All required content remains inside margins and the stated scale matches the actual view.

RESULT / WHERE THIS STANDS

All required content remains inside margins and the stated scale matches the actual view.

TROUBLESHOOTING

- Scaling only the parent view can leave annotations or related views outside the sheet. Arbitrary tiny scales may be unreadable even if they technically fit.

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

SOLIDWORKS API reference
(<https://help.solidworks.com/2025/English/api/sldworksapiproguide/Welcome.htm>).

HOW-TO SOURCES

SOLIDWORKS API reference

<https://help.solidworks.com/2025/English/api/sldworksapiproguide/Welcome.htm>

RELEASED MATERIAL / SOURCE LINKS

cad-059-public-summary.txt

PUBLIC SUMMARY / RECOVERED NOTES

<https://u225x.com/downloads/manifest-records/cad-059-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-059>