

# iLogic AddSimple type-mismatch troubleshooting

CAD-037 / REV A / 2026.09.01

Resolve the exact object and method signature rather than guessing argument order from the method name. 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         | Needs Retest                |
| CLASSIFICATION | CAD                         |
| MATERIAL       | CAD / AUTOMATION            |
| DISPOSITION    | PUBLIC / NEEDS RETEST       |
| CATEGORY       | CAD / Scanning / Automation |
| RECORD TYPE    | how-to                      |

## TECHNICAL NOTES

Resolve the exact object and method signature rather than guessing argument order from the method name.

## GOAL

Run the first test described in this guide and record the result for illogic addsimple type-mismatch troubleshooting.

## 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.

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## EQUIPMENT

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

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## METHOD / STEPS

1. Capture the complete error, failing line, application version and runtime type of the object receiving AddSimple.
2. Look up that object's AddSimple overload in the installed API help/Object Browser; similarly named methods belong to different feature APIs.
3. Check each argument's type, collection type, optional values, units and whether geometry is a native object or assembly proxy.
4. Reduce the call to one simple feature in a copied document, then restore the surrounding logic incrementally.

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## THINGS TO WATCH FOR

An ObjectCollection, edge collection, sketch point and numeric expression are not interchangeable. Converting everything to strings can conceal the actual mismatch.

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## FIRST TEST / WHAT TO RECORD

The minimal call succeeds with documented types, and the full rule handles cancellation and invalid selections cleanly.

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## RESULT / WHERE THIS STANDS

The minimal call succeeds with documented types, and the full rule handles cancellation and invalid selections cleanly.

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## TROUBLESHOOTING

- An ObjectCollection, edge collection, sketch point and numeric expression are not interchangeable. Converting everything to strings can conceal the actual mismatch.

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## SPECIFICATION

|             |                                        |
|-------------|----------------------------------------|
| TOOL PATH   | Inventor / iLogic                      |
| DELIVERABLE | HOW-TO                                 |
| VALIDATION  | Representative model / known dimension |
| STATUS      | Needs Retest                           |

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## DEVELOPMENT HISTORY

2026.09.01 / Rev A

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

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## REFERENCE NOTES

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

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## HOW-TO SOURCES

Autodesk reference

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

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## RELEASED MATERIAL / SOURCE LINKS

cad-037-public-summary.txt

PUBLIC SUMMARY / RECOVERED NOTES

<https://u225x.com/downloads/manifest-records/cad-037-public-summary.txt>

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## RETURN TO THE LIVING RECORD

iLogic AddSimple type-mismatch troubleshooting

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

<https://u225x.com/record/CAD-037>