

# CREO PARAMETRIC 4.0 *SNEAK PEEK* WHAT'S NEW IN 2D DETAILING

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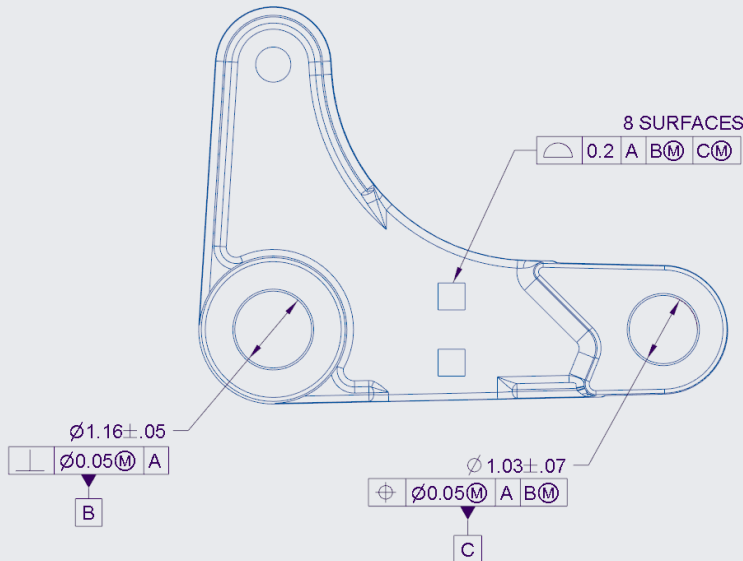
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# GTOL ENHANCEMENTS

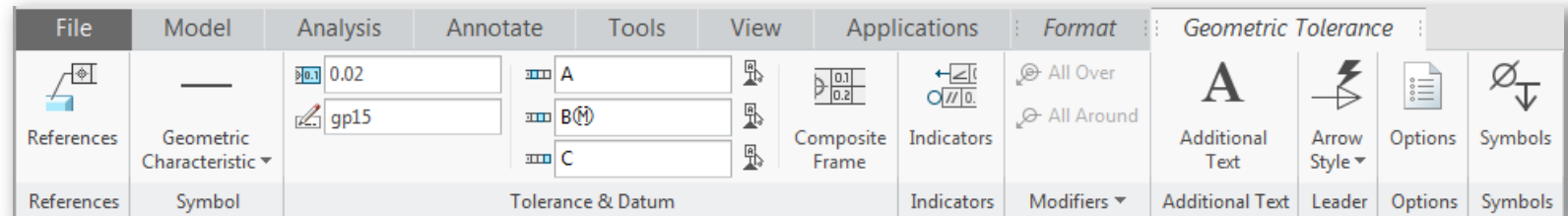
# QUICKLY CREATE STANDARDS-COMPLIANT GEOMETRIC TOLERANCES

CREATION AND EDITING  
FLEXIBLE REFERENCES  
FLEXIBLE VALUE AND DATUM  
STANDARDS SUPPORT



## CREO 4.0 GEOMETRIC TOLERANCE ENHANCEMENTS

- Creation and editing:
  - Placement workflow – immediate preview
  - Contextual ribbon for editing properties
- Flexible and standards-compliant references
  - Selection of datum references
  - Syntax checking of modifiers
- Text inputs for tolerance value and datum compartments
  - Flexible typing of values and modifiers
  - Updated text symbol palette
  - Syntax checking
- Support for latest GD&T standards
  - Composite tolerance
  - ISO indicators



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## Benefits

- Save time by quickly creating and editing Geometric Tolerances

## INTUITIVE CREATION AND EDITING WORKFLOWS



Two methods of adding GTOL to a drawing:

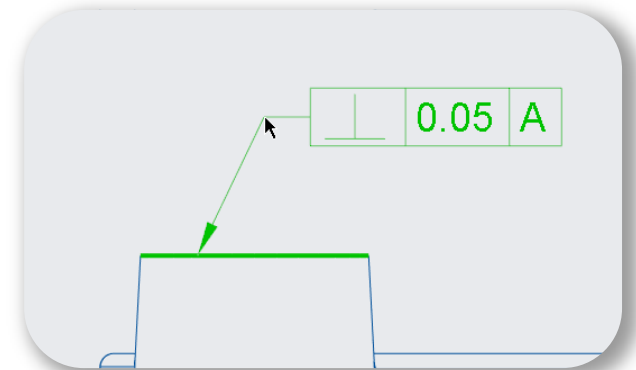
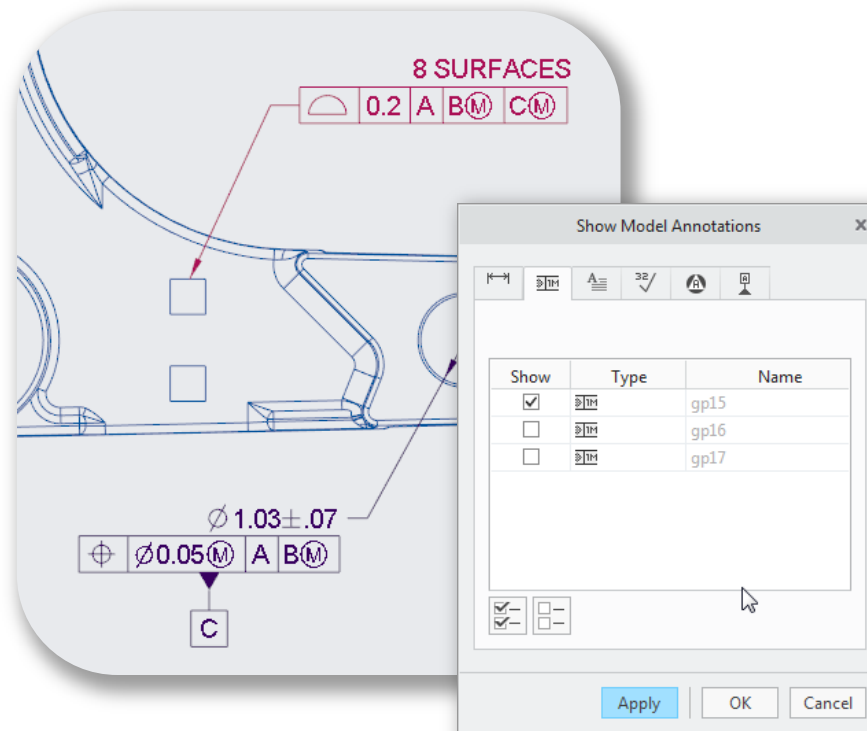
- Show GTOL from the model
- Create GTOL as drawing annotation

Immediate preview of GTOL on creation

- Drag to select leader reference and placement location

Contextual ribbon tab for editing properties of the GTOL

- Opens and closes on selection



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**FLEXIBLE REFERENCES**  
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## Benefits

- Conform to GD&T standards
- Maintain intelligent relationships between annotations

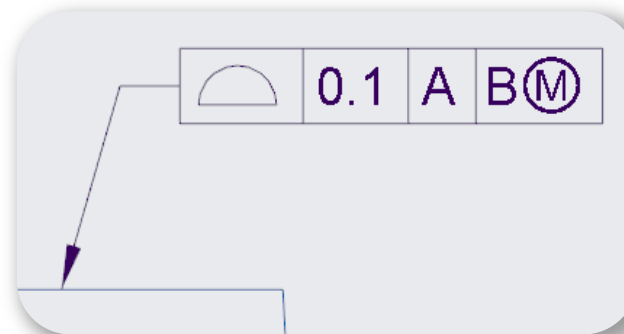
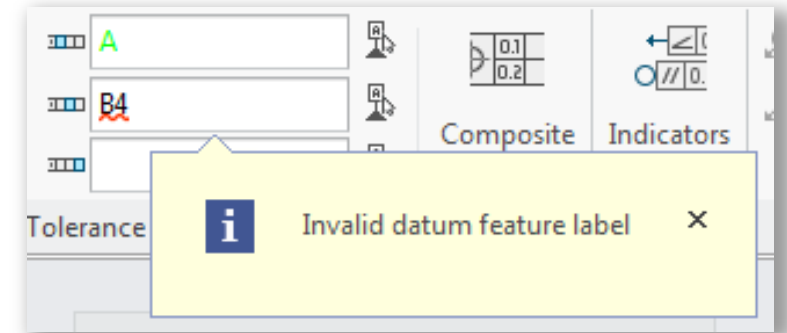
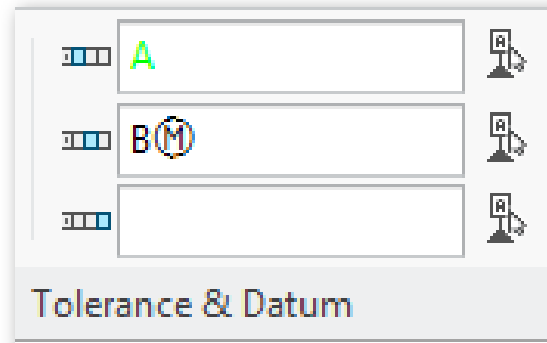
## FLEXIBLE AND STANDARDS-COMPLIANT REFERENCES

Flexible datum feature reference

- Non-semantic – text only
- Semantic – reference to existing datum feature symbol

Syntax checking identifies non-standard content

- Highlighted in the UI and graphics window



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CREATION AND EDITING  
FLEXIBLE REFERENCES  
**FLEXIBLE VALUE AND DATUM**  
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## Benefits

- Save time by quickly specifying tolerance value and datum references
- Conform to latest GD&T standards

## FLEXIBLE TOLERANCE VALUE AND DATUM SPECIFICATION



Text input of values and modifiers

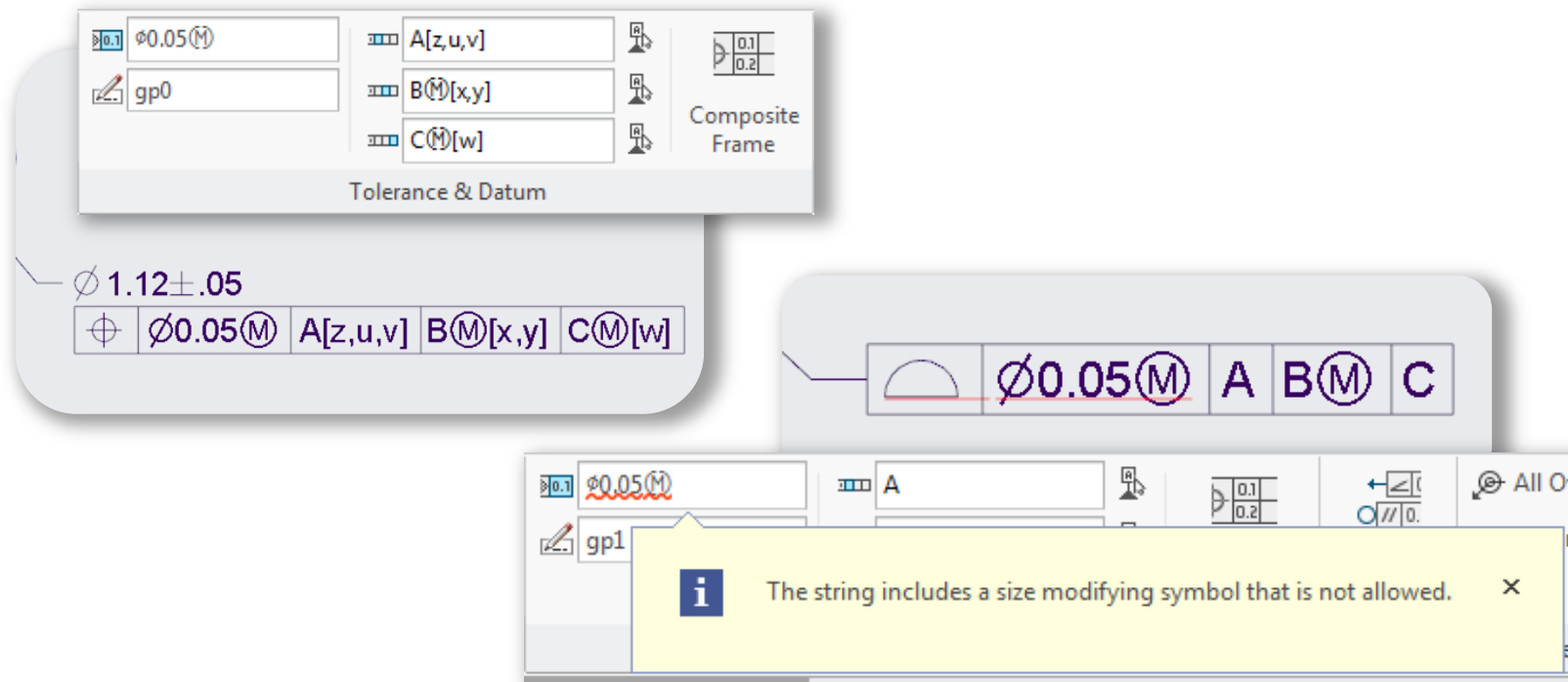
- Streamlined UI and flexibility to specify any desired tolerance and modifiers

Updated text symbol palette

- Comprehensive text symbols in ASME and ISO font style

Syntax checking identifies non-standard content

- Highlighted in the UI and graphics window



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- Conform to GD&T standards

## SUPPORT FOR LATEST GD&T STANDARDS

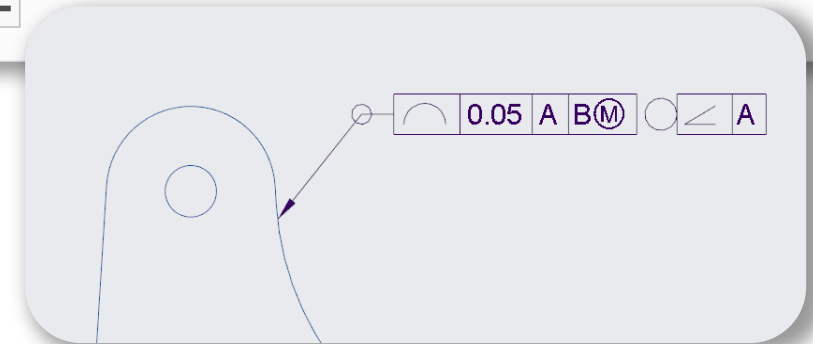
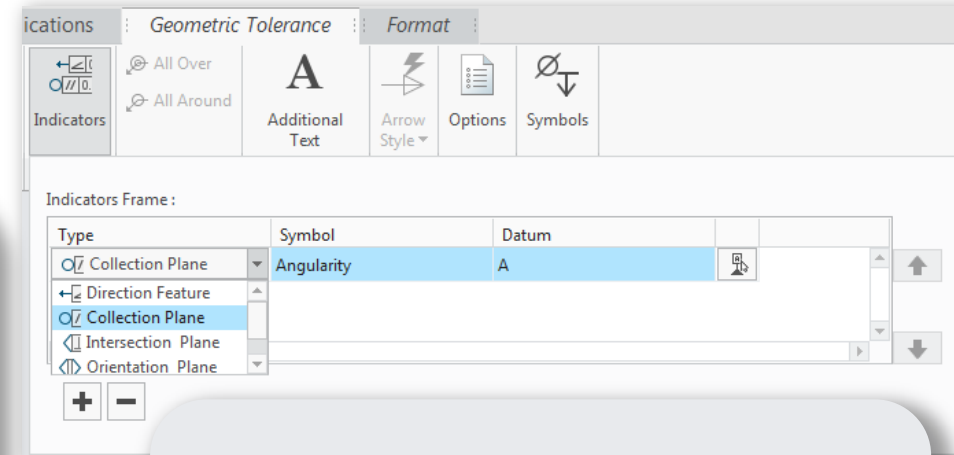
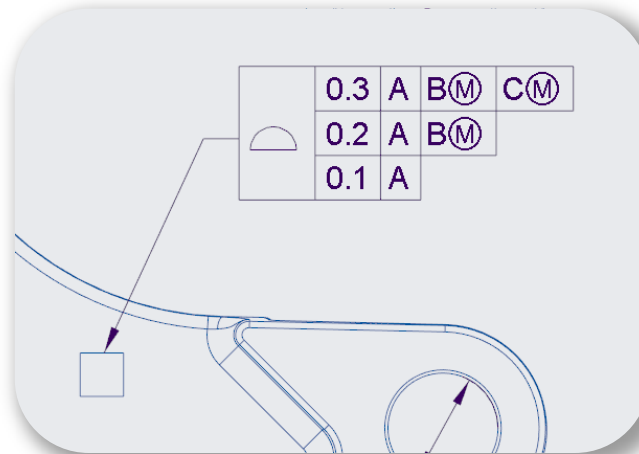


Expanded composite tolerance support

- Create more than 2 rows of composite tolerance
- Flexible tolerance value and datum input fields for each row

ISO indicators support

- Direction Feature, Collection Plane, Intersection Plane, Orientation Plane
- Choose geometric characteristic symbol and specify datum reference





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