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

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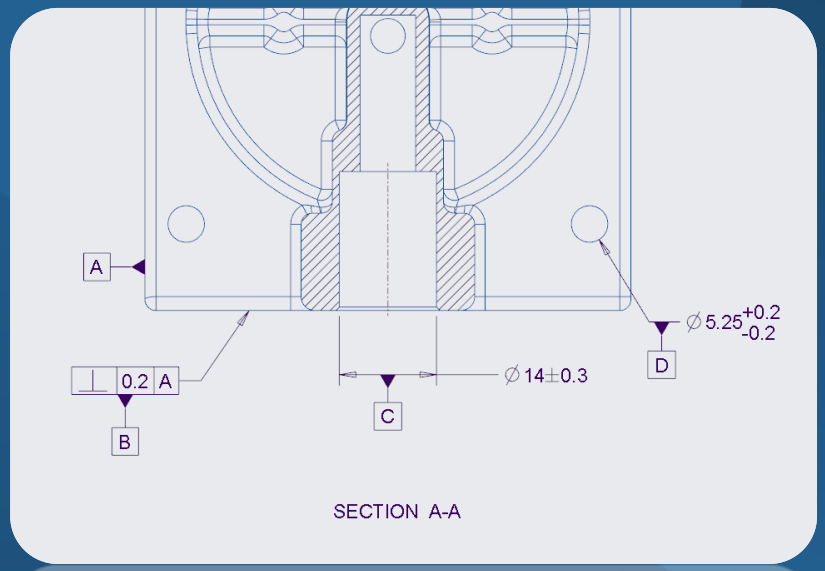
1 DATUM FEATURE SYMBOL ENHANCEMENTS

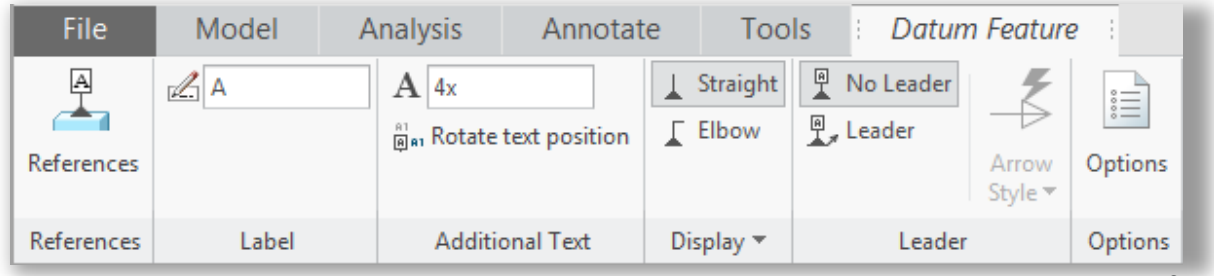
QUICKLY CREATE STANDARDS-COMPLIANT DATUM FEATURE SYMBOLS

CREATION AND EDITING
AUTOMATIC NAMING
STANDALONE ANNOTATION
ADDITIONAL TEXT



CREO 4.0 DATUM FEATURE SYMBOL ENHANCEMENTS

- Creation and editing
  - Placement workflow – immediate preview
  - Placement options
  - Contextual ribbon for editing properties
- Automatic naming
  - Automatically names the datum feature to the next available name in sequence (A, B, C…)
- Standalone drawing annotation
  - Can show datum feature symbol from model
  - Can create as a drawing annotation
- Additional text
  - Additional text placed adjacent to the symbol
  - Supports standards



QUICKLY CREATE STANDARDS-COMPLIANT DATUM FEATURE SYMBOLS

CREATION AND EDITING

AUTOMATIC NAMING

STANDALONE ANNOTATION

ADDITIONAL TEXT

Benefits

- Save time by quickly creating and editing datum feature annotations
- Conform to latest GD&T standards

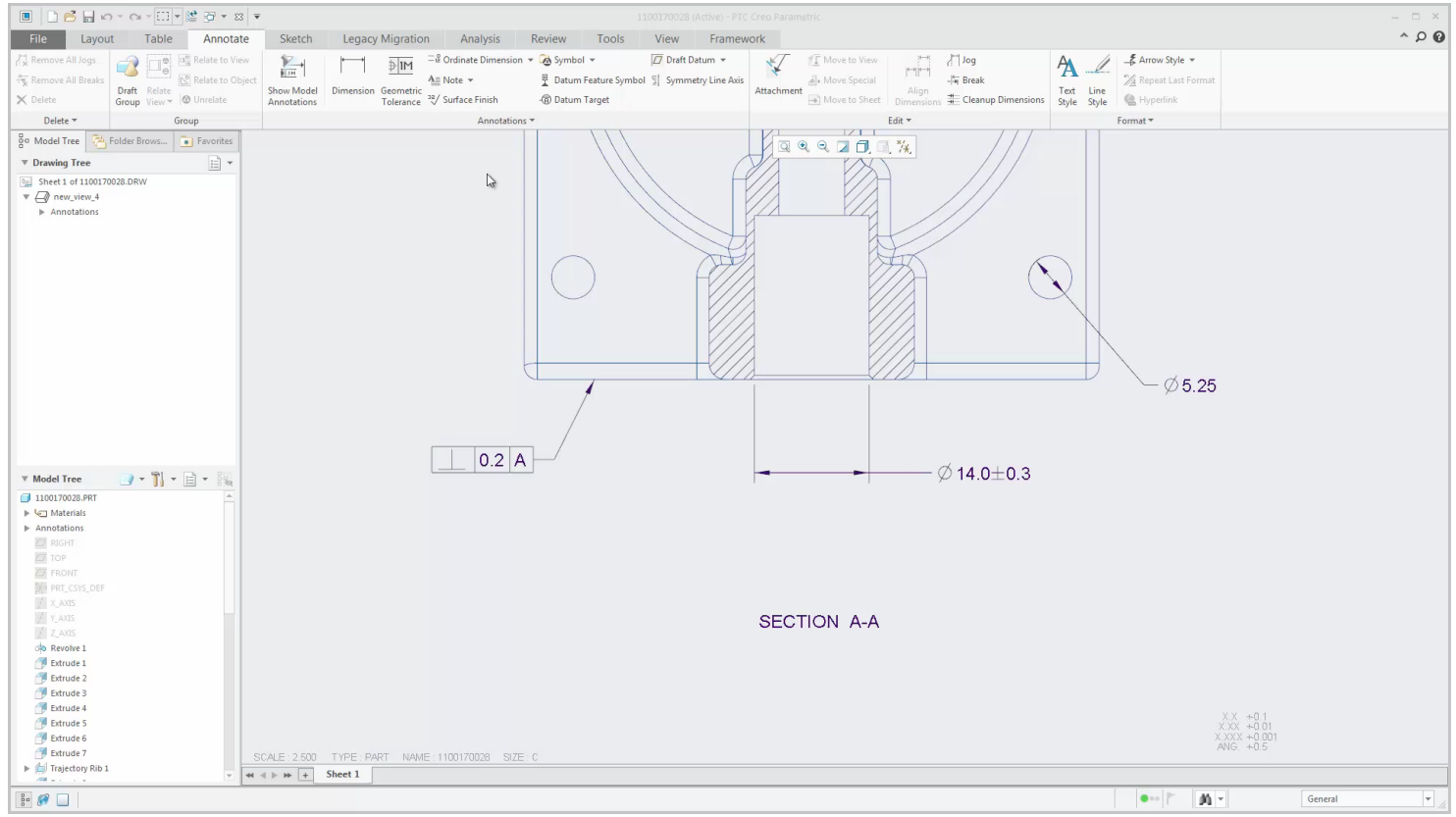
INTUITIVE CREATION AND EDITING WORKFLOWS

Immediate preview of datum feature symbol on creation

- Drag to place the symbol
- Multiple standards-based placement options

Contextual ribbon tab for editing properties of the datum feature symbol

- Opens and closes on selection



QUICKLY CREATE STANDARDS-COMPLIANT DATUM FEATURE SYMBOLS

CREATION AND EDITING
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Benefits

- Save time by not having to keep track of the next name in the sequence
- Comply with GD&T standards

AUTOMATIC NAMING OF DATUM FEATURE SYMBOLS

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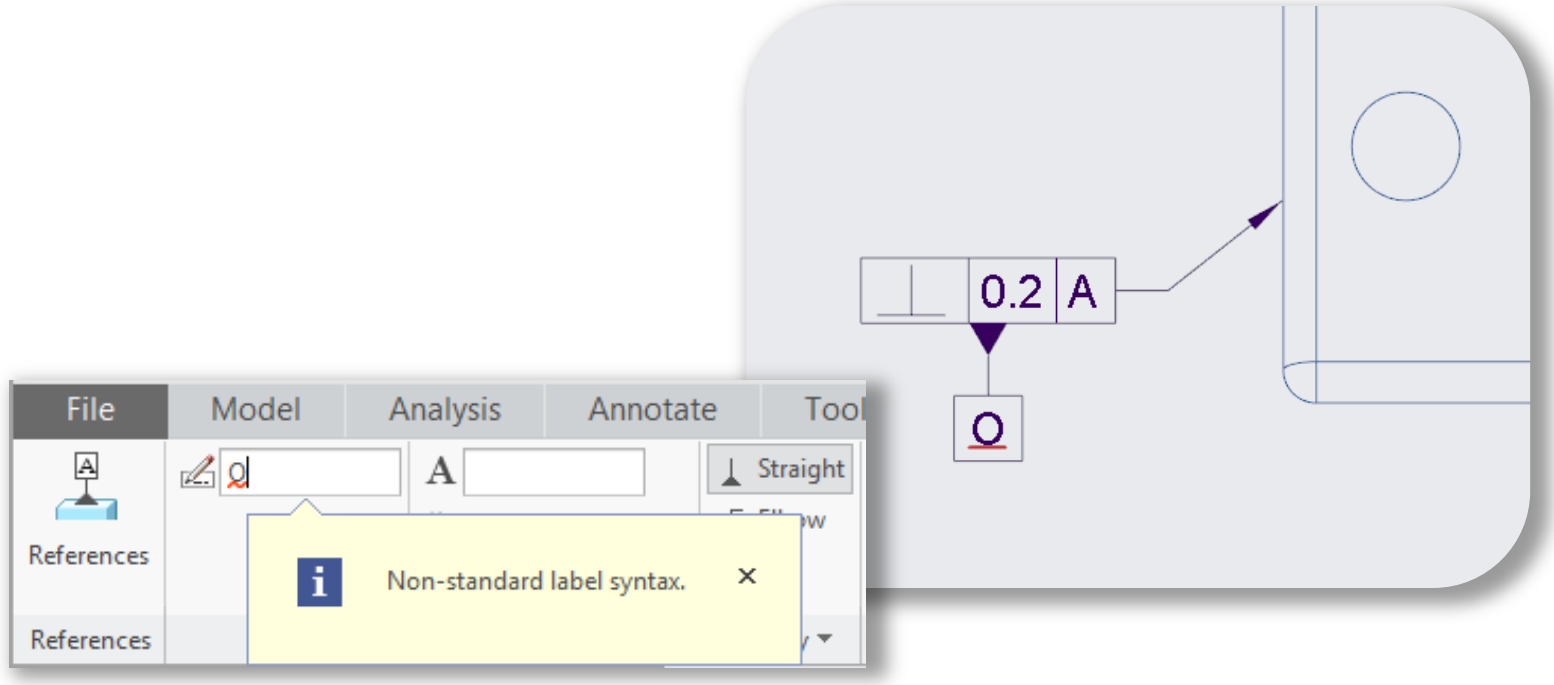
Automatically take the next available name in the standard sequence (A, B, C, …)

- Fills a gap if datum name is missing in the sequence
- User can still modify names as needed

Syntax-checking of names following ASME Y14.5 standard

- Non-standard names are identified in the UI and graphics



QUICKLY CREATE STANDARDS-COMPLIANT DATUM FEATURE SYMBOLS

CREATION AND EDITING
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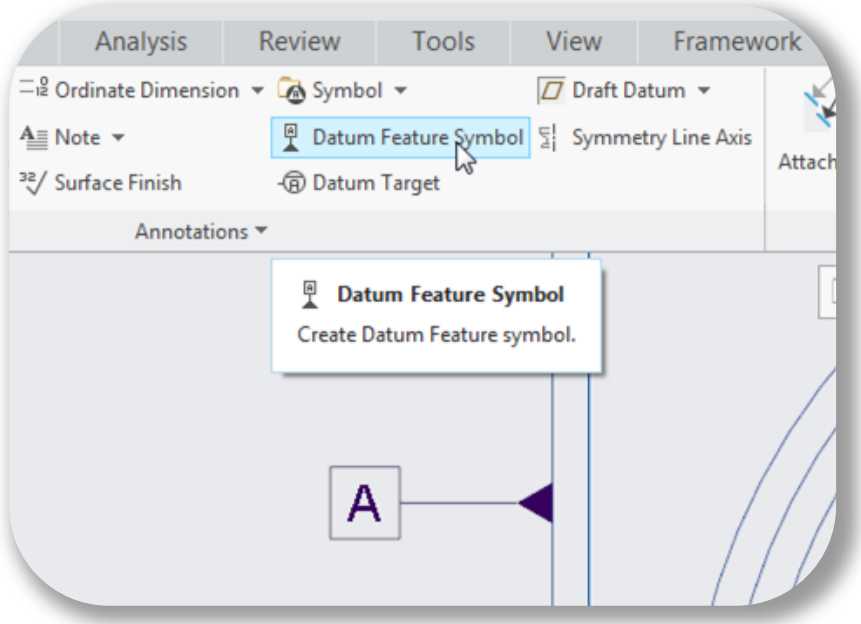
Benefits

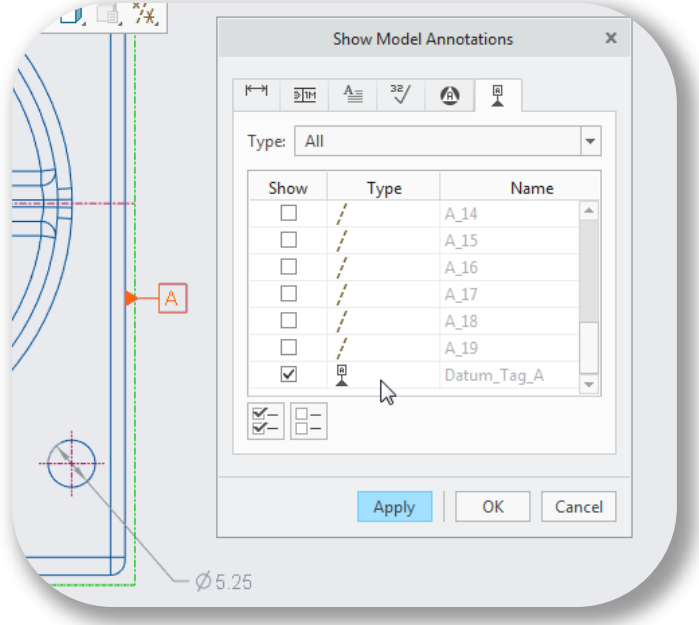
- Flexible and fast creation of symbols in the drawing
- Allows drawing creation without modifying model
- Conform to GD&T standards

STANDALONE DRAWING ANNOTATION

Datum feature symbol is a standalone annotation
- Does not require a plane or axis in the model or in the drawing

Two methods of adding datum feature symbols to a drawing:
- Can show datum feature symbol from model
- Can create as a drawing annotation





QUICKLY CREATE STANDARDS-COMPLIANT DATUM FEATURE SYMBOLS

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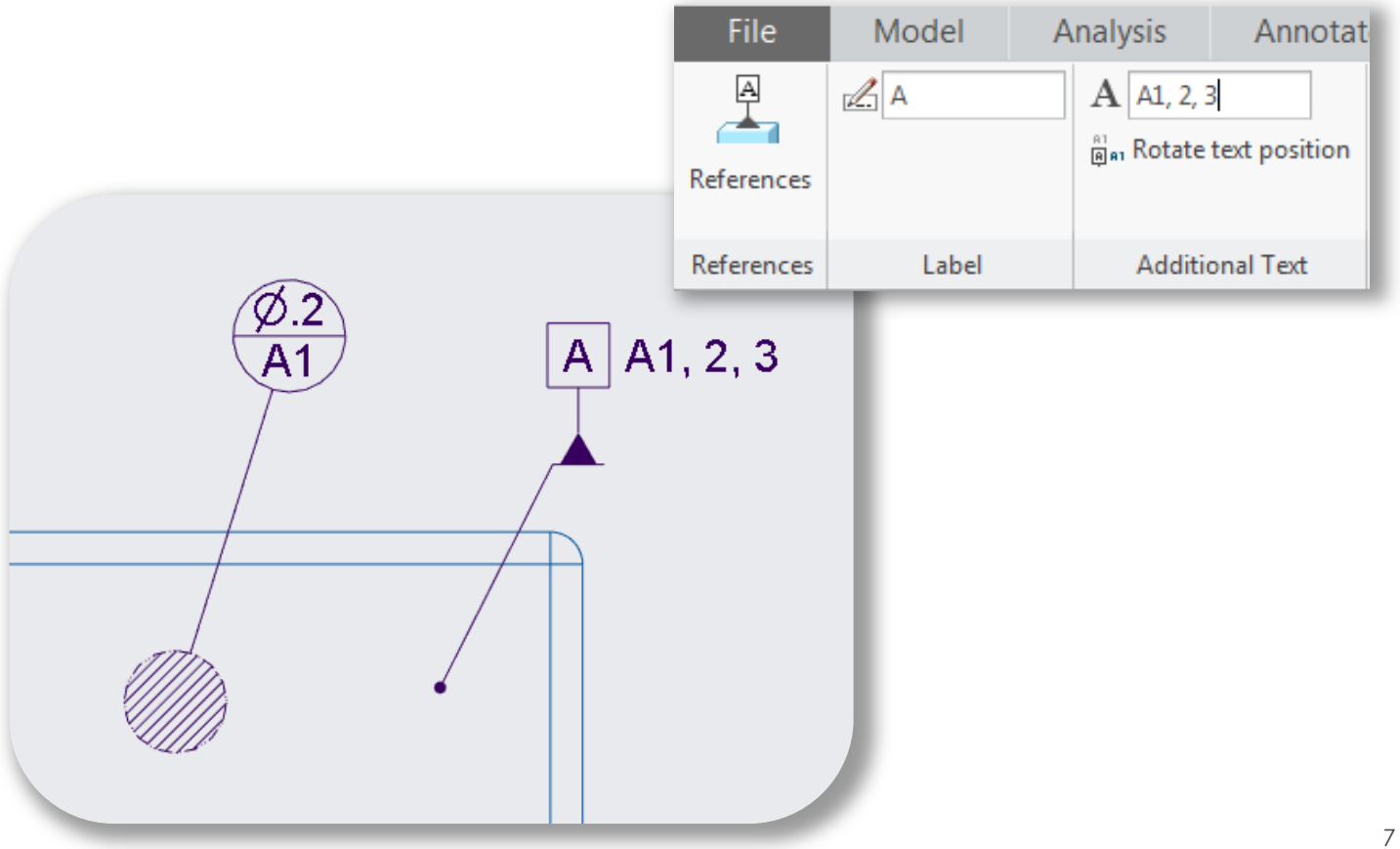
Benefits

- Conform to GD&T standards
- Save time and avoid cumbersome workarounds

SPECIFY ADDITIONAL TEXT NEAR DATUM FEATURE SYMBOL

Text input box in datum feature symbol ribbon
  – User can type any desired text

Ability to rotate text to desired position near the symbol
  – Text will move with datum feature symbol



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