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

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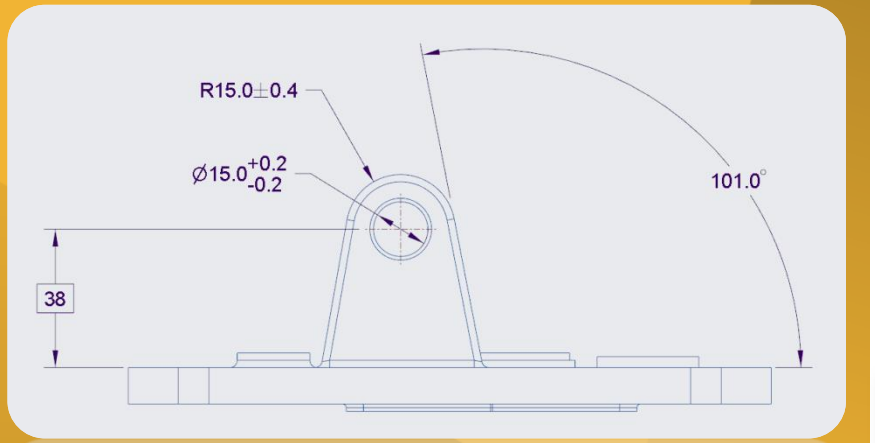
4 DIMENSION ENHANCEMENTS

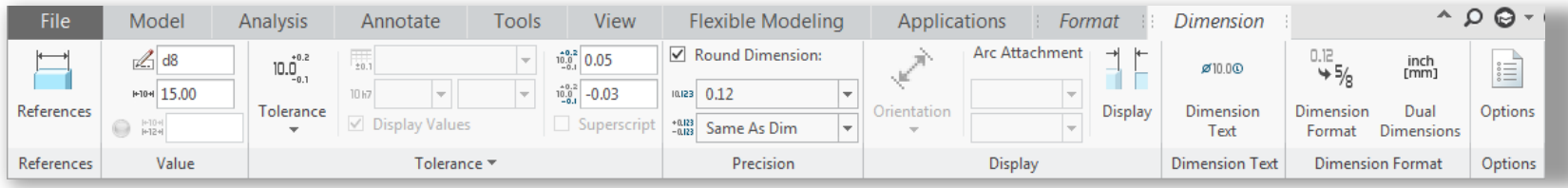
QUICKLY CREATE STANDARDS-COMPLIANT DIMENSIONS

CREATION AND EDITING
STANDARDS SUPPORT
IMPROVED DIMENSION TEXT
IMPROVED DIM ORIENTATION



CREO 4.0 DIMENSION ENHANCEMENTS

- Creation and editing:
  - Placement workflow – immediate preview
  - Contextual ribbon for editing properties
- Support for latest GD&T and drawing standards
  - Dimension origin
  - Center-leader for angular dimensions
- Improved dimension text
  - Comprehensive text symbol palette in ASME and ISO font style
  - Option to exclude prefix/suffix from basic dimension box
- Improved control of dimension orientation
  - Dimensions between arcs/circles/cylinders
    - Choose Min / Max / Center for each arc attachment
  - Dimension placed on single linear entity
    - Horizontal, vertical, slanted, etc…



QUICKLY CREATE STANDARDS-COMPLIANT DIMENSIONS

CREATION AND EDITING

STANDARDS SUPPORT

IMPROVED DIMENSION TEXT

IMPROVED DIM ORIENTATION

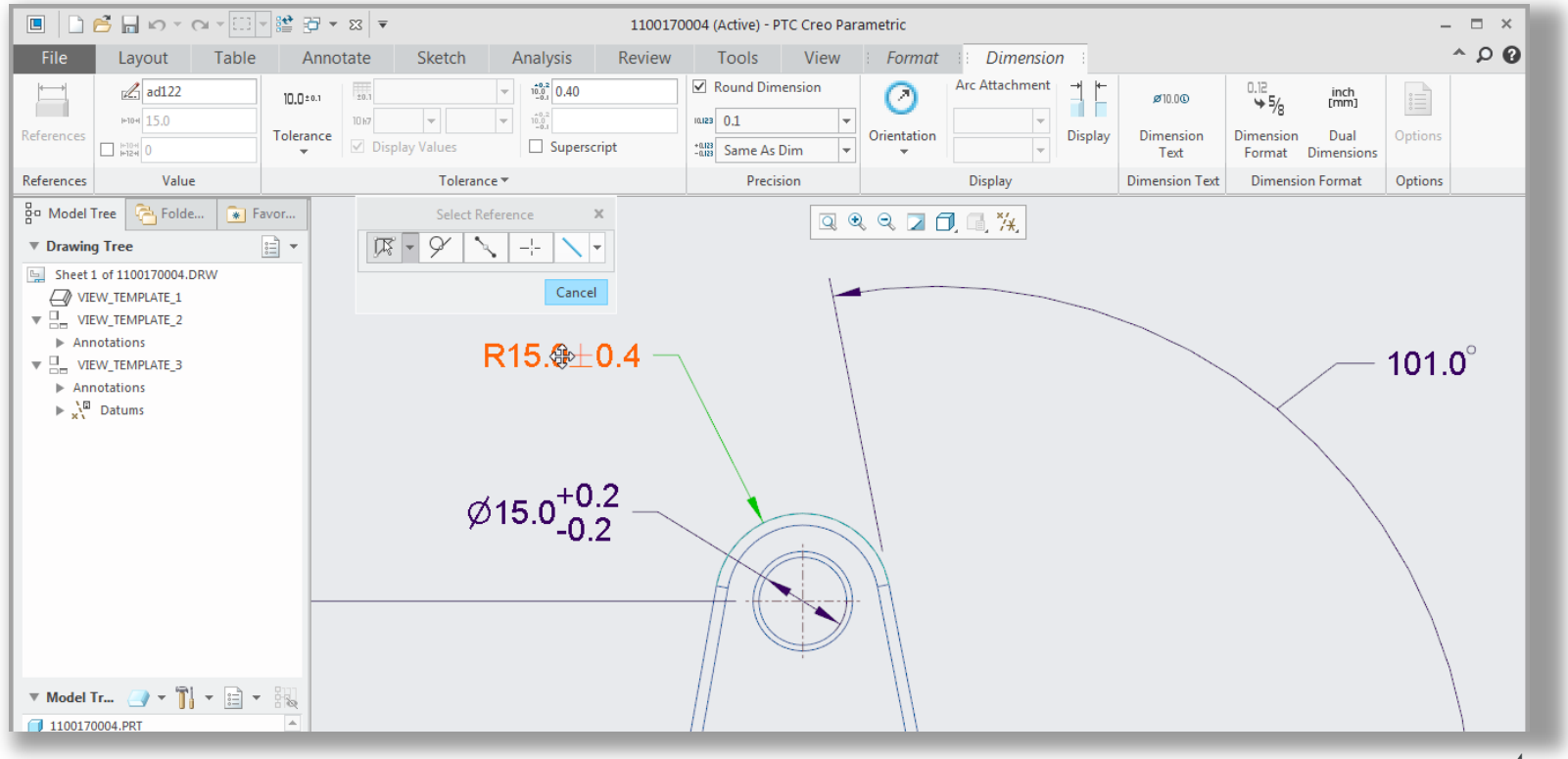
Benefits

- Save time by quickly creating and editing Dimensions

INTUITIVE CREATION AND EDITING WORKFLOWS

Immediate preview of dimension on creation
- Dimension preview attached to the cursor

Seamlessly edit properties of a dimension without interrupting the creation flow
- Contextual ribbon tab for editing properties of the dimension
- No need to exit dimension creation to edit properties of any dimension



QUICKLY CREATE STANDARDS-COMPLIANT DIMENSIONS

CREATION AND EDITING

STANDARDS SUPPORT

IMPROVED DIMENSION TEXT

IMPROVED DIM ORIENTATION

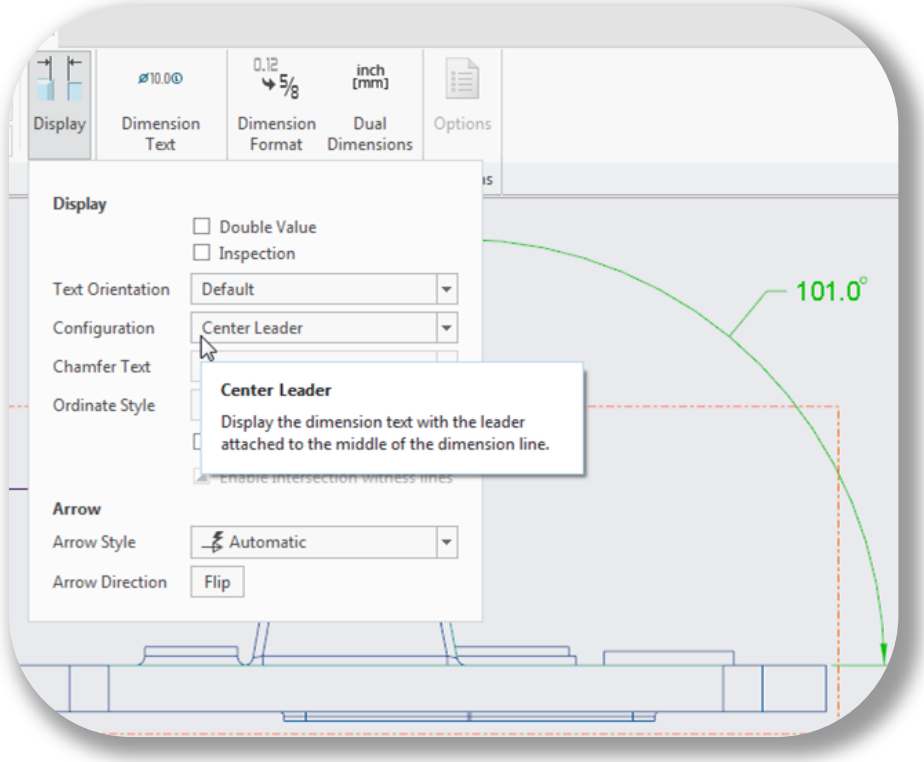
Benefits

- Conform to latest GD&T and drawing standards

COMPLY WITH LATEST GD&T AND DRAWING STANDARDS

Center leader option for angular dimensions
- Available for all dimensions, including DRIVING dimensions

Dimension origin support
- Proper graphical appearance of dimension origin
- Associated with semantic reference



QUICKLY CREATE STANDARDS-COMPLIANT DIMENSIONS

CREATION AND EDITING SEMANTIC REFERENCES

IMPROVED DIMENSION TEXT

IMPROVED DIM ORIENTATION

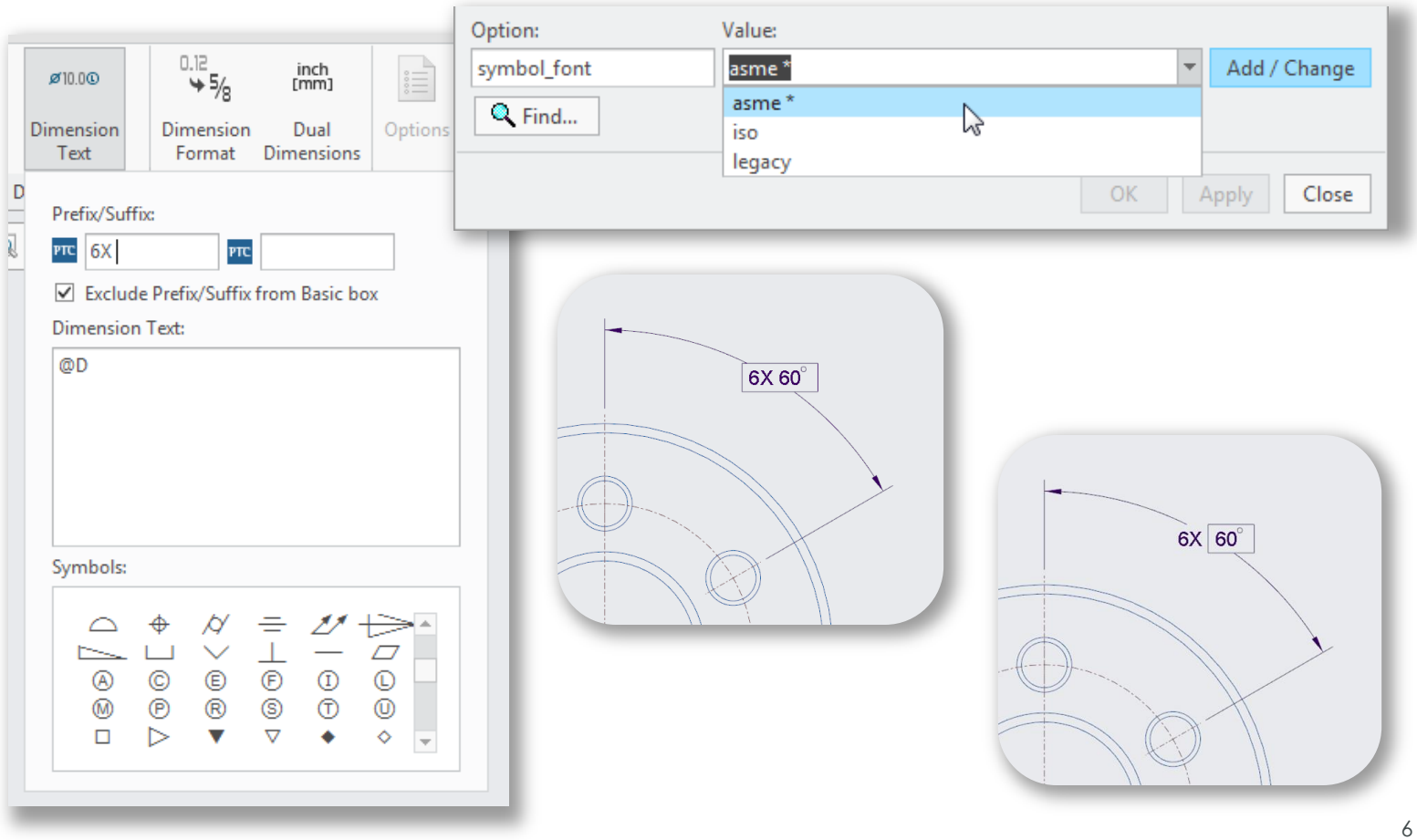
Benefits

- Save time by quickly creating and editing Dimensions

IMPROVED DIMENSION TEXT

Comprehensive text symbol palette in ASME & ISO font style
  - Detail option: **`symbol_font`**

Option to exclude prefix/suffix from basic dimension box



QUICKLY CREATE STANDARDS-COMPLIANT DIMENSIONS

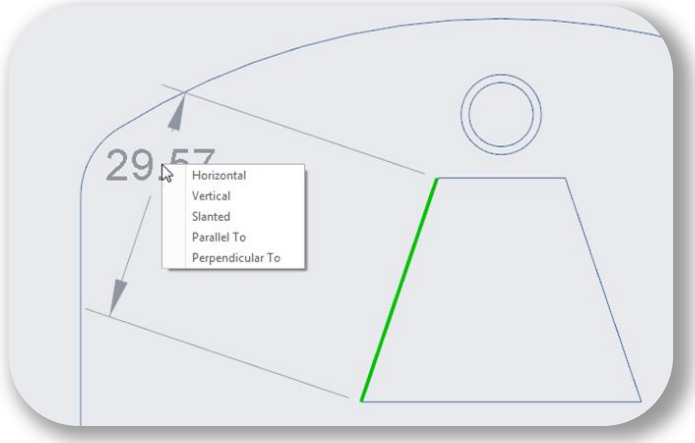
CREATION AND EDITING SEMANTIC REFERENCES
IMPROVED DIMENSION TEXT
IMPROVED DIM ORIENTATION

Benefits

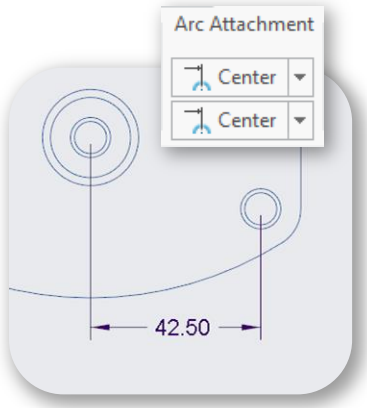
- Save time by editing orientation of existing dimension and avoiding delete/re-create workflow

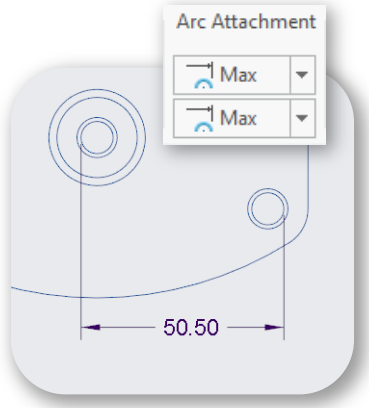
IMPROVED DIMENSION ORIENTATION

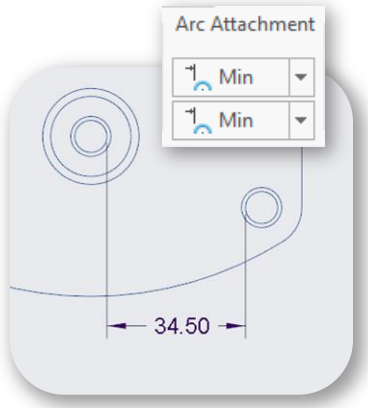
Dimension placed on single linear entity
- Horizontal, vertical, slanted, etc…



Dimensions between arcs/circles/cylinders
- Choose Min / Max / Center for each arc attachment







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