# CREO PARAMETRIC 4.0
# *SNEAK PEEK*
# WHAT'S NEW IN MBD

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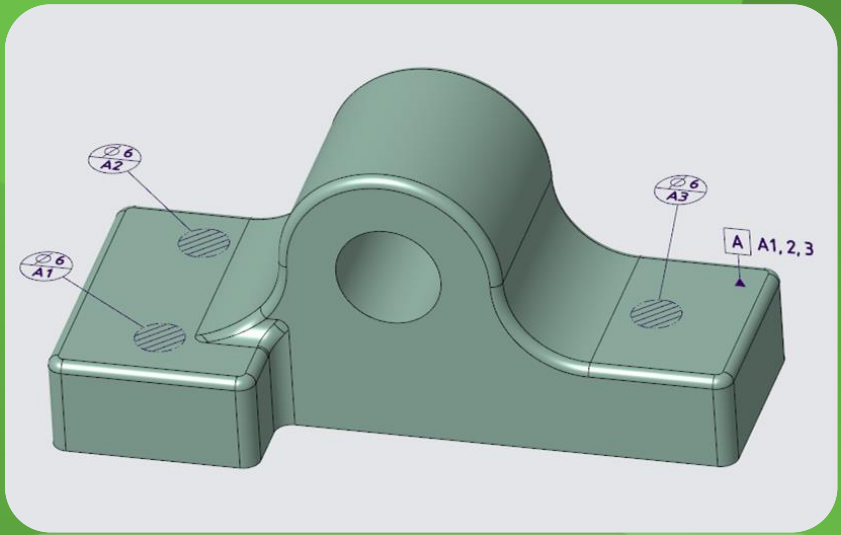
ptc

# 2 DATUM TARGET ENHANCEMENTS

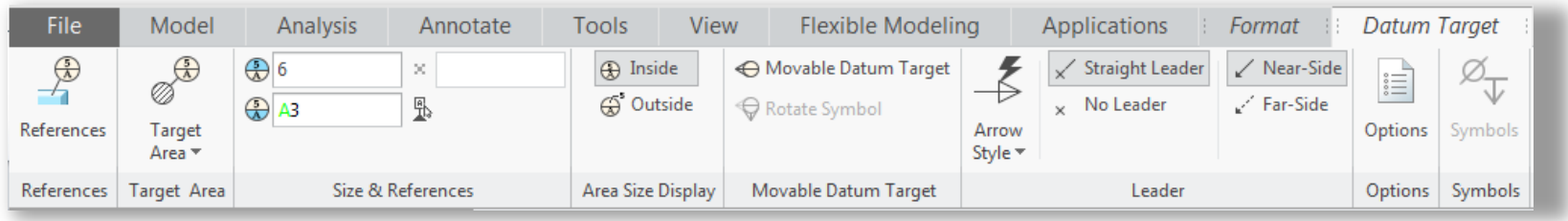
# QUICKLY CREATE STANDARDS-COMPLIANT DATUM TARGETS

CREATION AND EDITING
SEMANTIC REFERENCES
BUILT-IN TARGET AREAS
OUTSIDE DIMENSION




## CREO 4.0 DATUM TARGET ENHANCEMENTS

- Creation and editing
  - Placement workflow – immediate preview
  - Contextual ribbon for editing properties
  - Movable datum target symbol
  - Leader line enhancements
- Semantic reference to datum feature symbol
  - Selection of datum feature symbol or parsing of typed text
- Built-in standard target areas
  - Point, Circular, Rectangular, None
  - Target area size controlled by dimension within annotation
- Outside dimension placement
  - Supports standards when dimension doesn't fit



# QUICKLY CREATE STANDARDS-COMPLIANT DATUM TARGETS

## CREATION AND EDITING

SEMANTIC REFERENCES
BUILT-IN TARGET AREAS
OUTSIDE DIMENSION

## Benefits

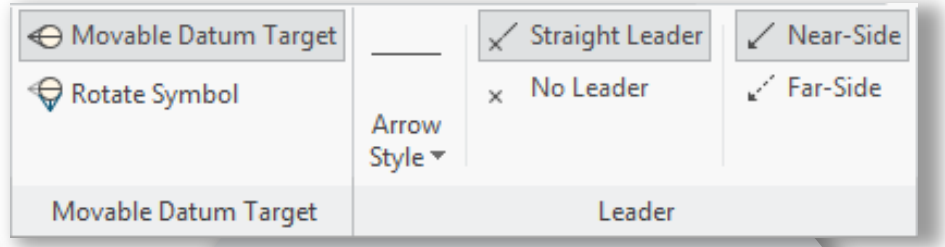
- Save time by quickly creating and editing datum target annotations
- Conform to latest GD&T standards

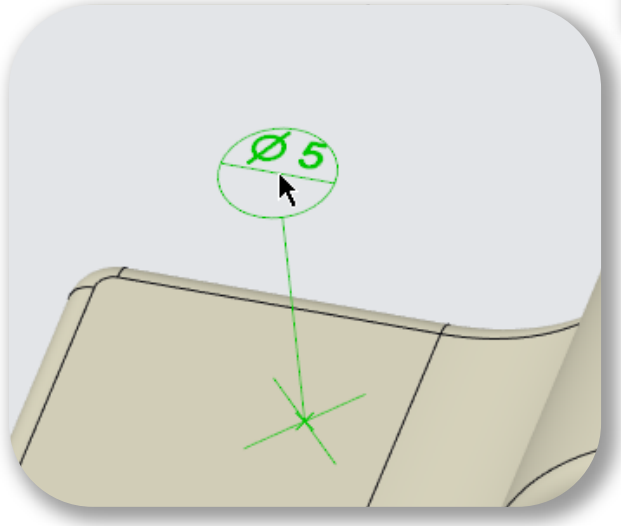
## INTUITIVE CREATION AND EDITING WORKFLOWS

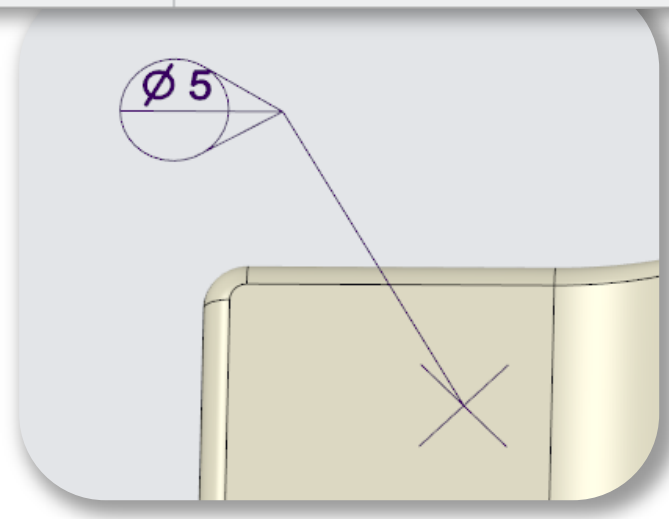
Immediate preview of datum target on creation
  - Drag to select leader reference and placement location

Contextual ribbon tab for editing properties of the datum target
  - Opens and closes on selection

Standards-based options
  - Movable datum target symbol
  - Leader options



# QUICKLY CREATE STANDARDS-COMPLIANT DATUM TARGETS

CREATION AND EDITING
**SEMANTIC REFERENCES**
BUILT-IN TARGET AREAS
OUTSIDE DIMENSION

## Benefits

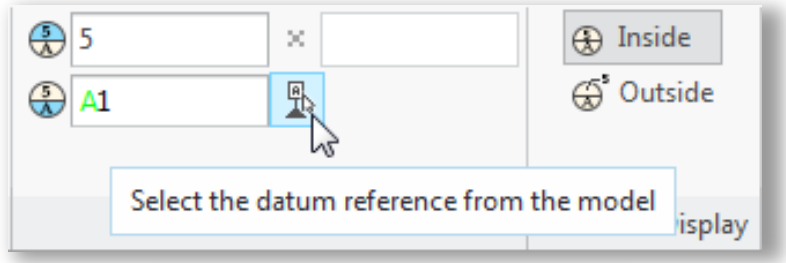
- Facilitate machine-readable GD&T for downstream use
- Provide proper query-response behavior
- Conform to GD&T standards

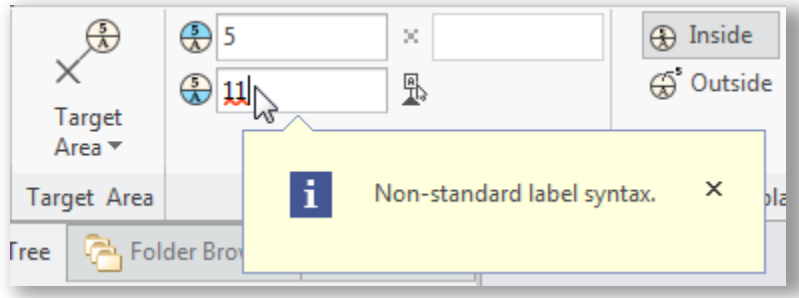
## SUPPORT FOR FULLY SEMANTIC REFERENCES

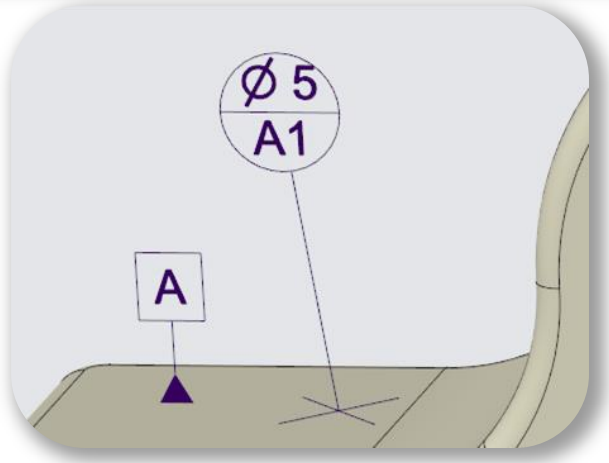
Semantic references to model geometry

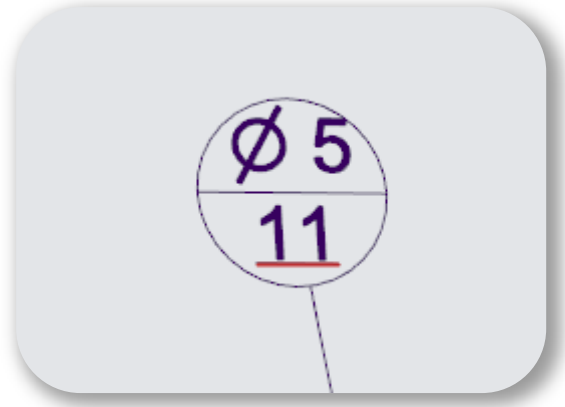
Flexible datum feature reference
- Non-semantic – text only
- Semantic – reference to existing datum feature symbol

Syntax checking identifies non-standard content
- Highlighted in the UI and graphics window



# QUICKLY CREATE STANDARDS-COMPLIANT DATUM TARGETS

CREATION AND EDITING
SEMANTIC REFERENCES
**BUILT-IN TARGET AREAS**
OUTSIDE DIMENSION

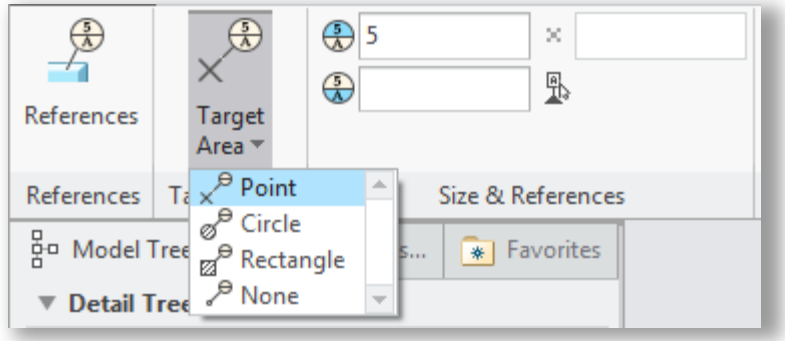
## Benefits

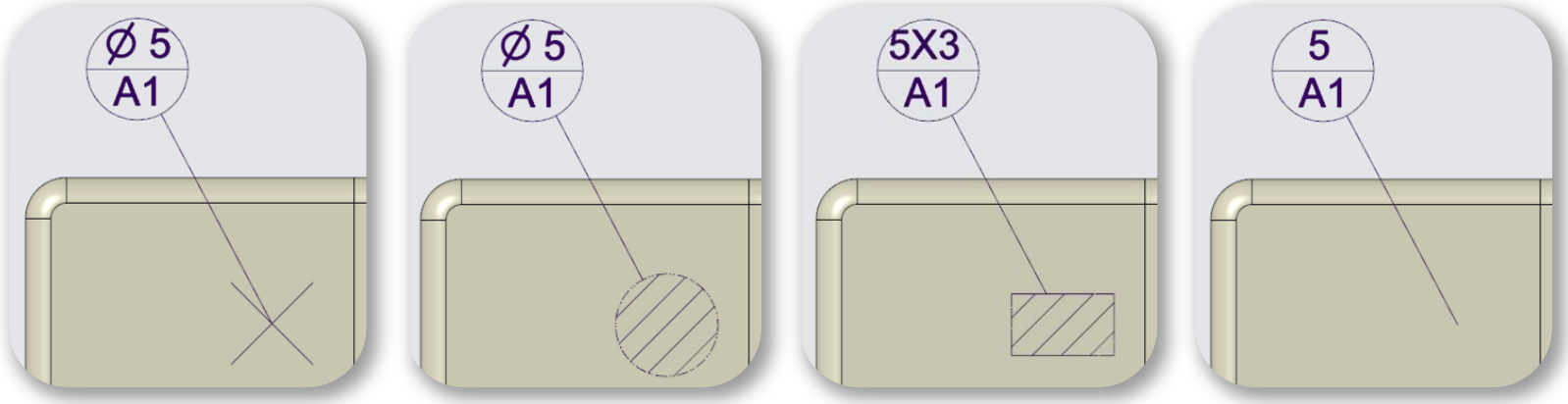
- Save time by quickly creating graphical target areas as part of datum target annotation
- Conform to latest GD&T standards

## INTELLIGENT BUILT-IN TARGET AREAS

Standard target areas:
- Point, Circular, Rectangular, None

Target area size controlled by dimension within annotation
- Intelligent prefix based on target area shape



# QUICKLY CREATE STANDARDS-COMPLIANT DATUM TARGETS

CREATION AND EDITING
SEMANTIC REFERENCES
BUILT-IN TARGET AREAS
**OUTSIDE DIMENSION**

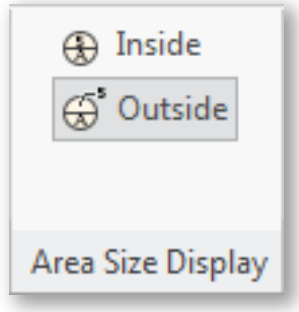
## Benefits

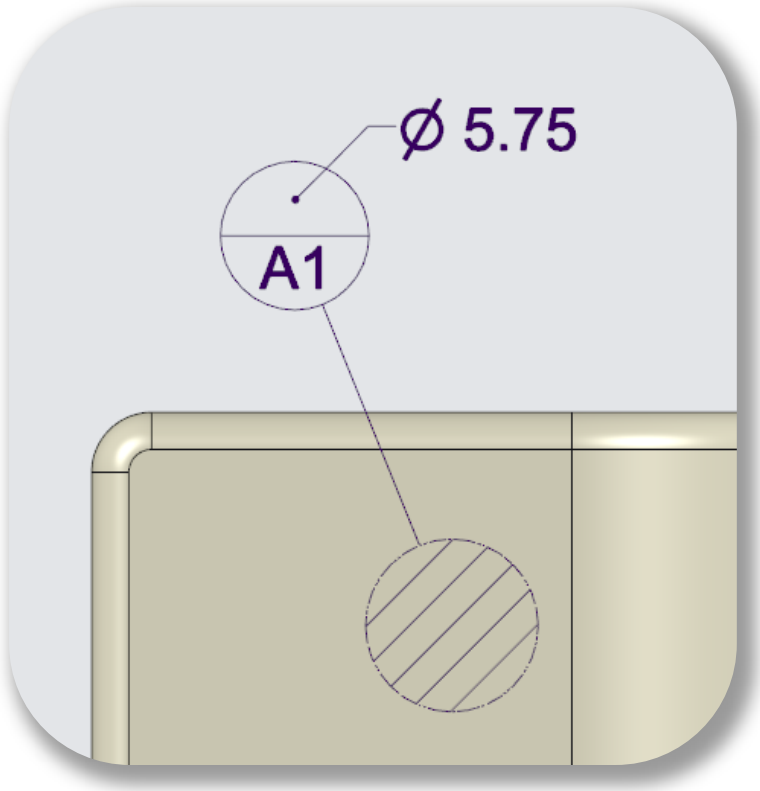
- Save time by quickly creating and editing datum target annotations
- Conform to latest GD&T standards

## TARGET AREA DIMENSION OUTSIDE OF SYMBOL

Specify placement of target area size dimension
- Inside upper half of target circle
- Outside of target circle with leader

Supports standards when dimension doesn't fit inside circle
- Dimension leader has fixed length and angle

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