



Publications Standard Parts

Naming Conventions and Procedure

Survey

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Basics

Geometry (faces, axes, etc.) which is used for assembly constraints has to be published.

Benefits:

- It is possible to position standard part (e.g. screws) “blind” by selecting the published geometry in the structure tree. This is very helpful if the assembly is very large.
- If a standard part is switched against another one no constraint will be inconsistent. (Works only if the publications of the old and the new component have got the same name!)
- Published elements are available in the structure tree even if the assembly is only in the cache mode. (cache: CGR-files instead of the original data)

Procedure

Standard Parts without Publications:

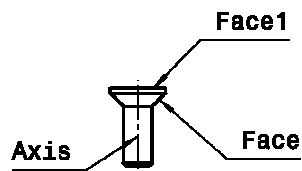
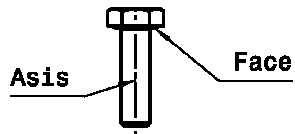
It is the responsibility of every designer to create the necessary publications if they don't exist already.

Creating Publications:

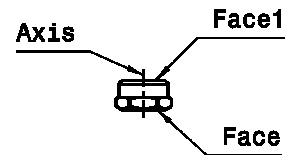
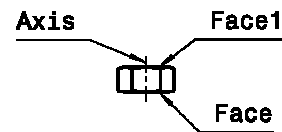
- Open the standard part
- Choose Tools – Publication (only available in the Part Design workbench)
- Select the faces axis and planes which are necessary for the positioning with constraints. Respect the naming convention for the publications. (see next page) To change a name of a publication select the name of the publication in the dialog window twice. (no double click)

Naming Convention

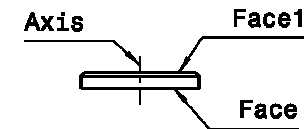
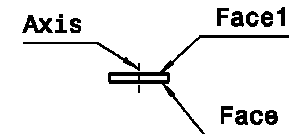
Screws:



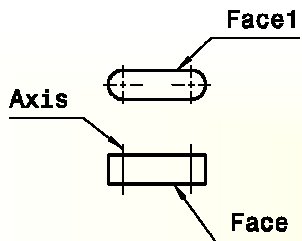
Nuts:



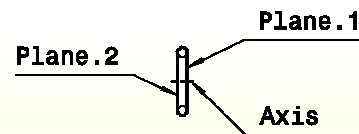
Shims:



Fitted Keys:

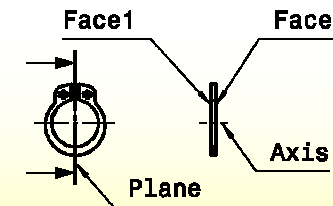


Sealing Ring*:



* The planes have to be created by the designer!

Snap Ring*:



* The planes have to be created by the designer!