



Creo Intelligent Fastener 7.0.0.0

What's New



Enhance Usage of ifx_data.cfg Files

Advantages

- Use different configuration values for different fastener types or sizes.
- More flexibility and better customization possibilities.

Details/ Usage

- Add #KEYWORD#NAME to your ifx_screw_data.cfg or ifx_pin_data.cfg.
- Add KEYWORD and NAME to your fastener data file (*.dat) or optionally add a column with #KEYWORD and with NAME for each instance.

ifx_screw_data.cfg

```
#ETSCR#1x DN  MIN  MAX  
MM      1    1.0  3.0  
MM      1.1  1.1  3.3  
...  
#ETSCR#2x DN  MIN  MAX  
MM      1    2.0  4.0  
MM      1.1  2.2  4.4
```

example1.dat

```
...  
ETSCR 1x  
...
```

example3.dat

```
SYMBOL  DN  ...  #ETSCR  
...  
INST1   10  1x  
INST2   10  2x  
...
```

example2.dat

```
...  
ETSCR 2x  
...
```

Enhance Placement References

Advantages

- Use one name instead of different item ids.
- Easier to customize, more intuitive and clearer.
- More flexibility – different ids for each instance in your Fastener Data File.

Details/ Usage

- Add a name to SURFACE, AXIS and ORIENT instead of item ids.
- Add columns #SURFACE, #AXIS and #ORIENT to control item ids of each fastener instance.

Before

```
SURFACE 29 12 128 296
AXIS    10  8 117  24
```

After

```
SURFACE  PLACEMENT_SURFACE
AXIS     PLACEMENT_AXIS
```

Before

```
SURFACE 29 12 128 296 75 61 ...
AXIS    10  8 117  24 12  5 ...
```

After

```
SYMBOL  DN ... #SURFACE #AXIS
...
INST1   10          29    12
INST2   10          12     8
INST3   10         128   117
...
```

Enhance usage of relations

Advantages

- Better control of relation creation for your fastener.
- Easy parameter/relation customization of different fasteners.
- More flexibility in using relations.

Details/ Usage

- Add the name of the catalog to your param_relations.txt file name.
- Add the type of your fastener to your param_relations.txt file name.

Examples

param_relations_mm_screws.txt

→ For all screws from the mm catalog

param_relations_inch.txt

→ For all fasteners from the inch catalog

param_relations_nuts.txt

→ For all nuts from all catalogs

Minitoolbar Support

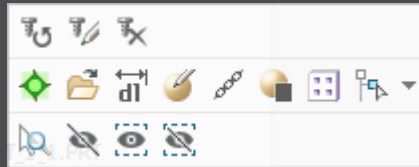
Advantages

- Fast access to the most important IFX commands.
- Reduce the mouse movement.

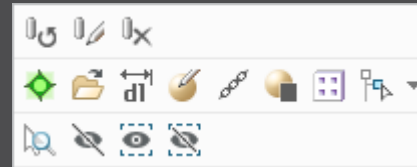
Details/ Usage

- Click on a fastener to see the possible interaction.
- Redefine, Reassemble or Delete the selected fastener easily.

Screws



Dowel Pins



Multibody Support

Advantages

- Use the new PTC Creo multibody possibilities in IFX too.
- IFX holes are created in all bodies.

Details/ Usage

- Simply assemble a new fastener.
- IFX create the holes for you in all necessary bodies.