

# Behind the Face – Tips and Tricks in AutoCAD Plant 3D

Bernd Gerstenberger  
Senior Product Support Specialist



## Class summary

You can do more than you think! The configuration of AutoCAD Plant 3D software will not even be done via user interface but also with databases, *xml*-files and other files.

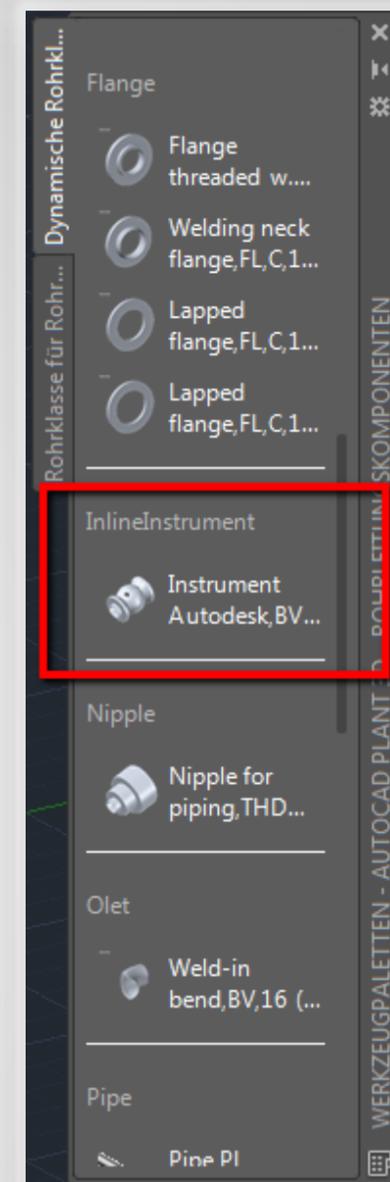
Sometimes you think that some stuff is not possible—but maybe it is. Learn some interesting insights into AutoCAD Plant 3D software.

# Key learning objectives

At the end of this class, you will be able to:

- ...create and use instruments: From the catalog over the spec until the bill of material in the isometric drawing
- ...activate the editing mode of dimensions of inserted spec components
- ...export specific class properties to a PCF-file
- ...search in the project setup

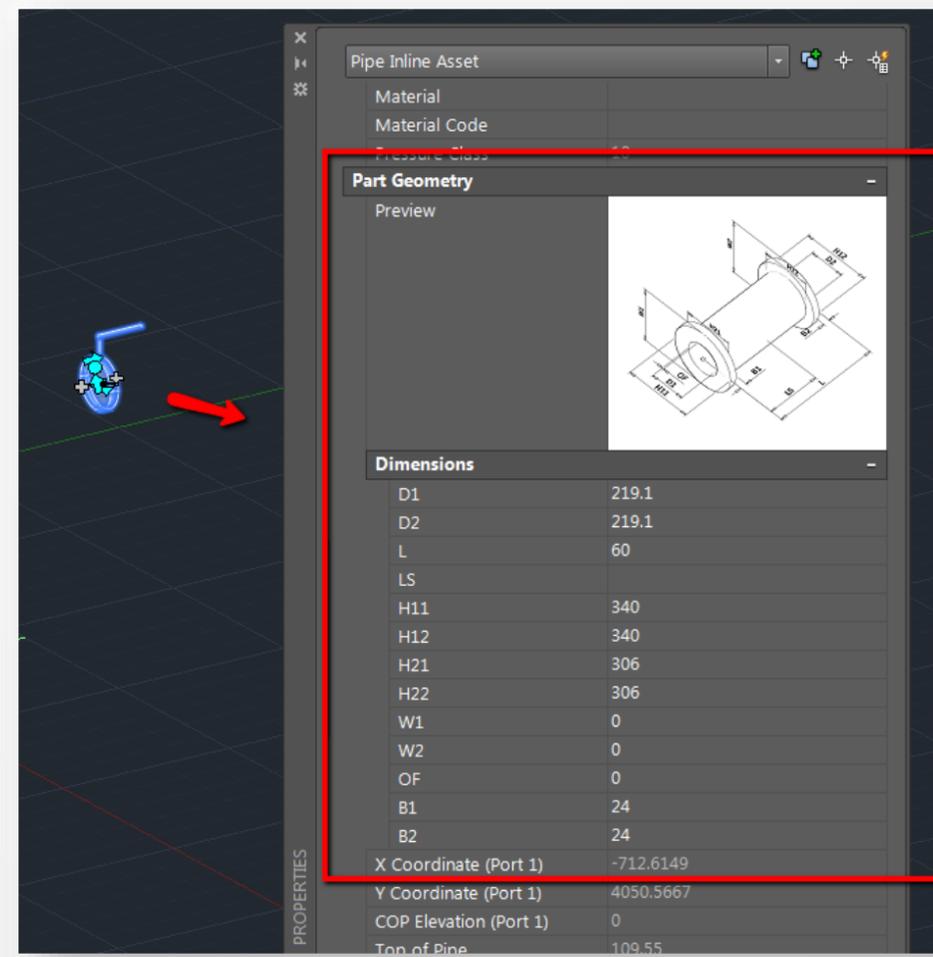
Min Size	To	Max Size	Long Description
15	to	1600	Bend DIN 2605-1-90-3
15	to	1600	Bend DIN 2605-1-90-5
----- Flange -----			
10	to	2200	Flange C DIN 2630
----- Gasket -----			
6	to	2200	Gasket, Flat, 1, DIN 2690, C
----- Inline Instrument -----			
100	to	100	Autodesk Instrument
----- Olet -----			



**Instruments:  
From the catalog over the spec until the  
bill of material in the isometric drawing**

BILL OF MATERIALS				
ID	QTY	ND	DESCRIPTION	
PIPE				
1	2.9M	100	PIPE DIN 2448	
FASTENERS				
2	R	16X460	BOLT SET, C, 10, STD BOLT, DIN 2501	
INSTRUMENTS				
3	1	100	AUTODESK INSTRUMENT	

# Activation of the editing mode of dimensions of inserted spec components



# Export of specific class properties to a PCF-file

```
CO-ORDS          -194.1372      5660.0868      0.0000
PIPE
END-POINT        -299.1372      7496.6694      0.0000      100.0000
END-POINT        -1830.4963     7496.6694      0.0000      100.0000
ITEM-CODE        10HC01-1381
ITEM-DESCRIPTION Pipe DIN 2448
FABRICATION-ITEM
PIPING-SPEC      10HC01
TRACING-SPEC
COMPONENT-ATTRIBUTE1 BOMCOLUMN Material_
COMPONENT-ATTRIBUTE2 BOMCOLUMN wallThickness_3.6
COMPONENT-ATTRIBUTE3 BOMCOLUMN SCHClass_
WEIGHT          0.0000
WELD
```

# Searching in the project setup



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