

## step-by-step June 2012

Anleitung zur Erstellung des Modells zur Aufgabe des Inventor News Group World Cup Juni 2012.

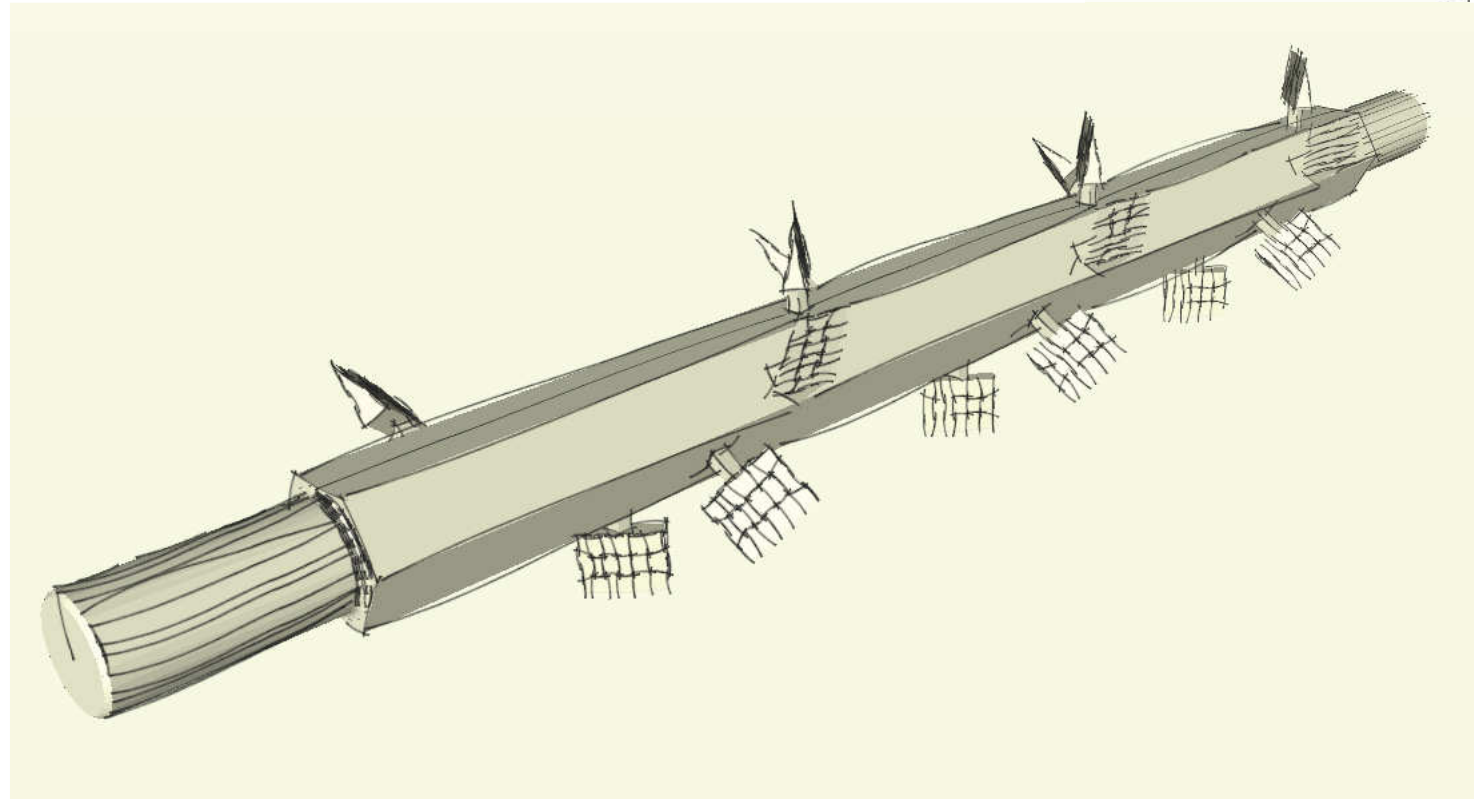
Die Erstellung des Modells in Autodesk Inventor wird Schritt für Schritt an Hand von Screen-Shots und einer kurzen Beschreibung erklärt.

Viel Spaß und „happy inventoring“,  
Bernhard Fetzer

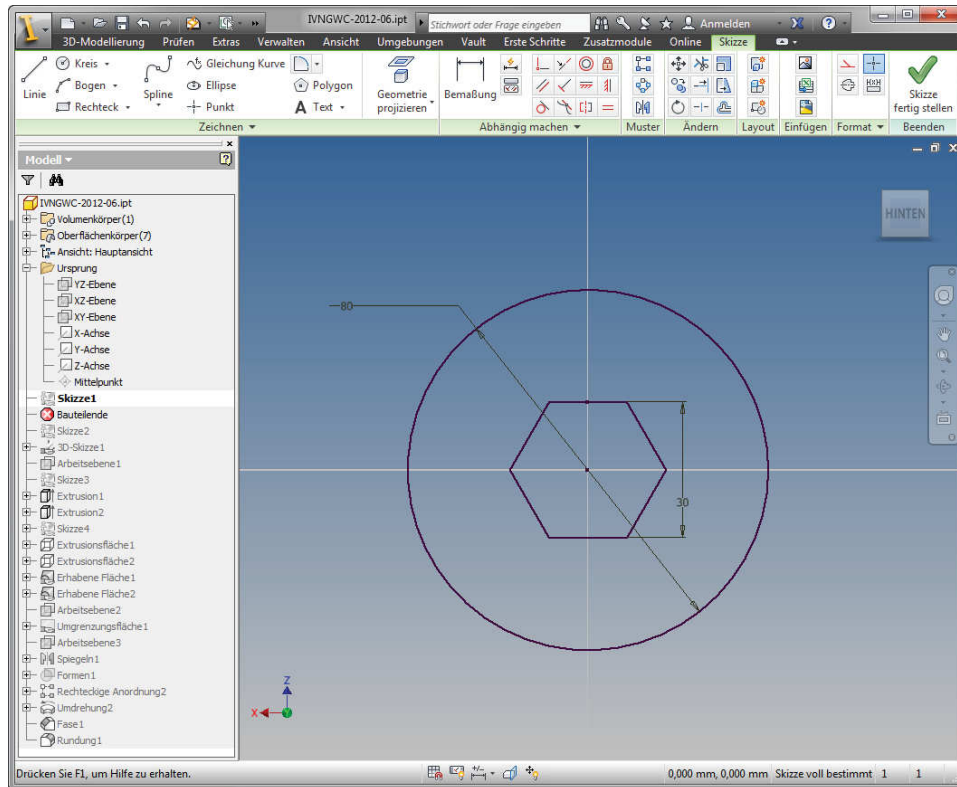
*Instructions for creating the model for the task of the Inventor newsgroup World Cup June 2012.*

*The creation of the model in Autodesk Inventor is explained step by step on the basis of screen-shots and a short description.*

*Have fun and „happy inventoring“,  
Bernhard Fetzer*

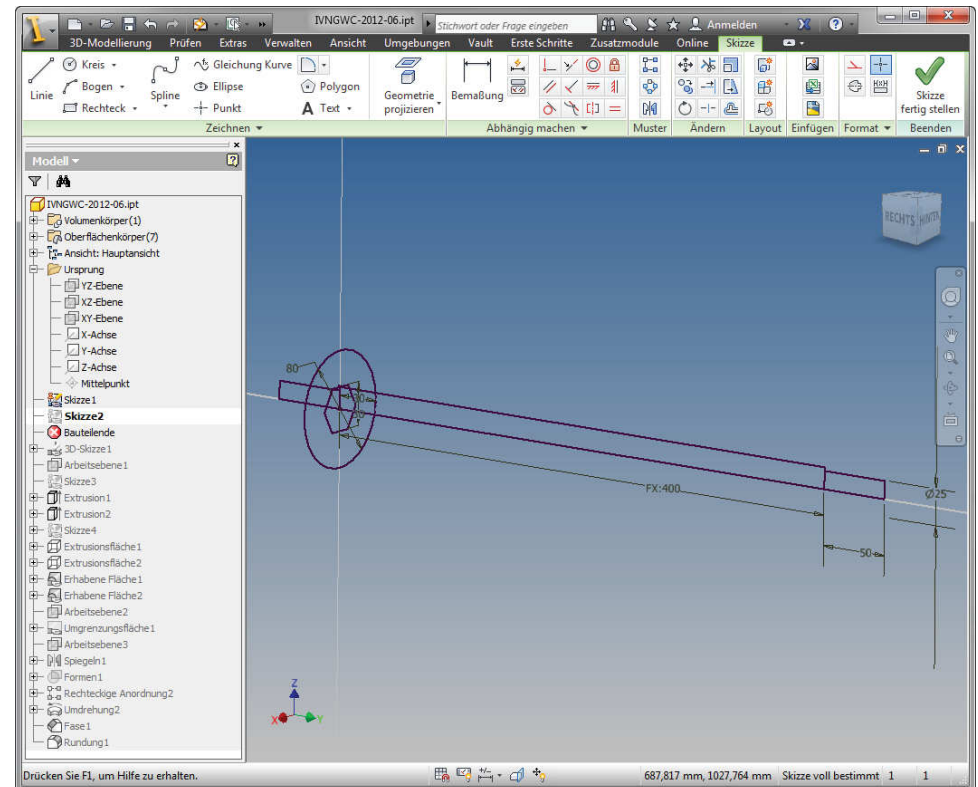


## step 1



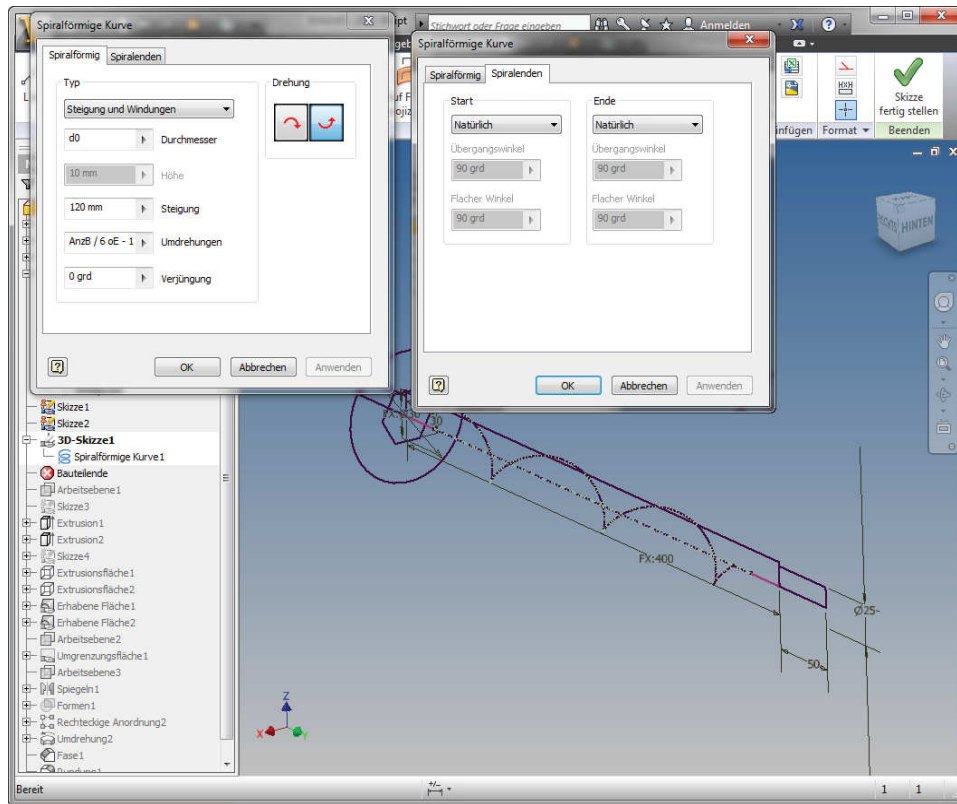
Skizze auf XZ-Ebene  
Sketch on XZ-plane

## step 2

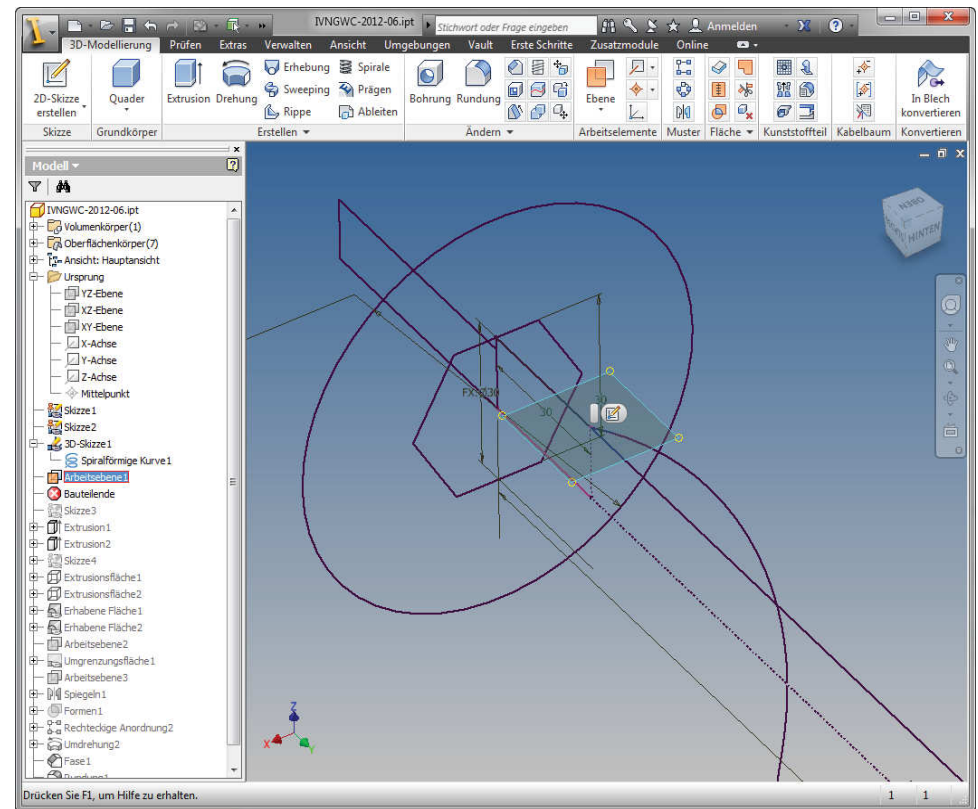


Skizze auf YZ-Ebene  
Sketch on YZ-plane

### step 3



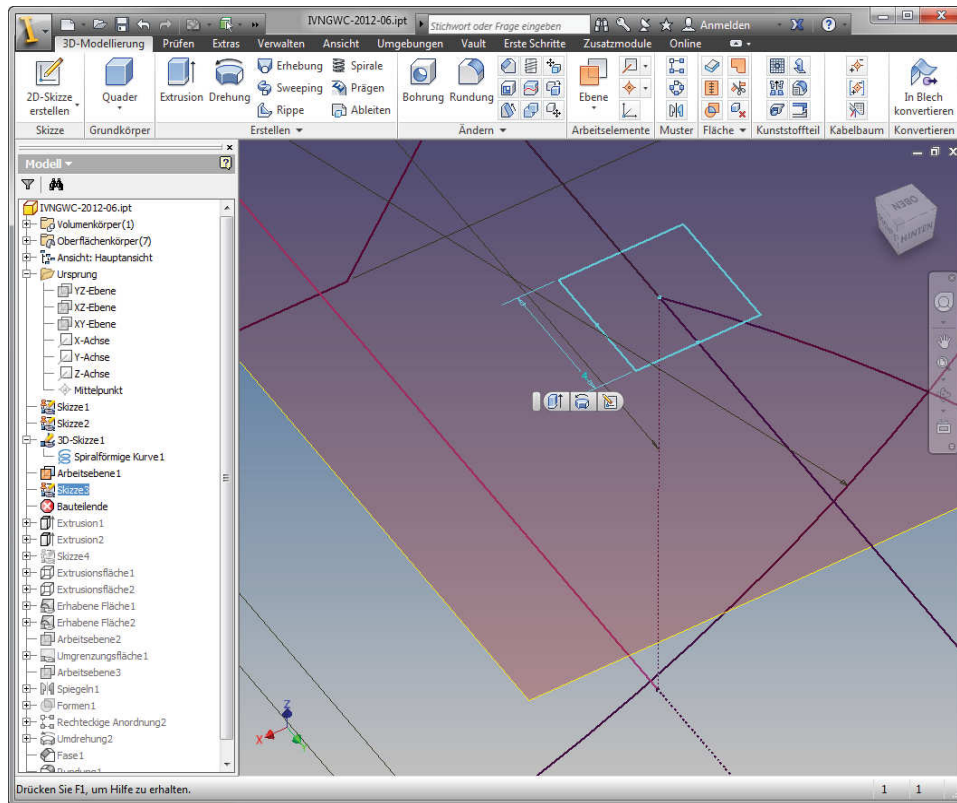
### step 4



3D-Skizze mit spiralförmiger Kurve  
3D-sketch with spiral curve

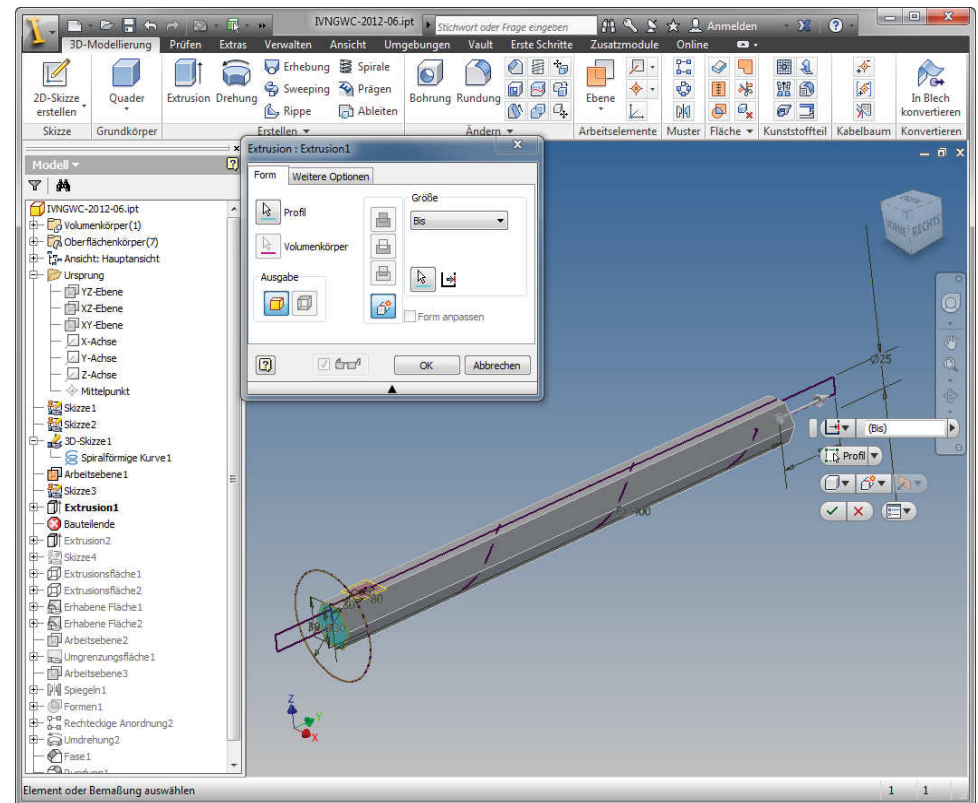
Arbeitsebene an Endpunkt der Kurve  
*Workplane on endpoint of the curve*

## step 5



Skizze auf Arbeitsebene  
*Sketch on workplane*

## step 6

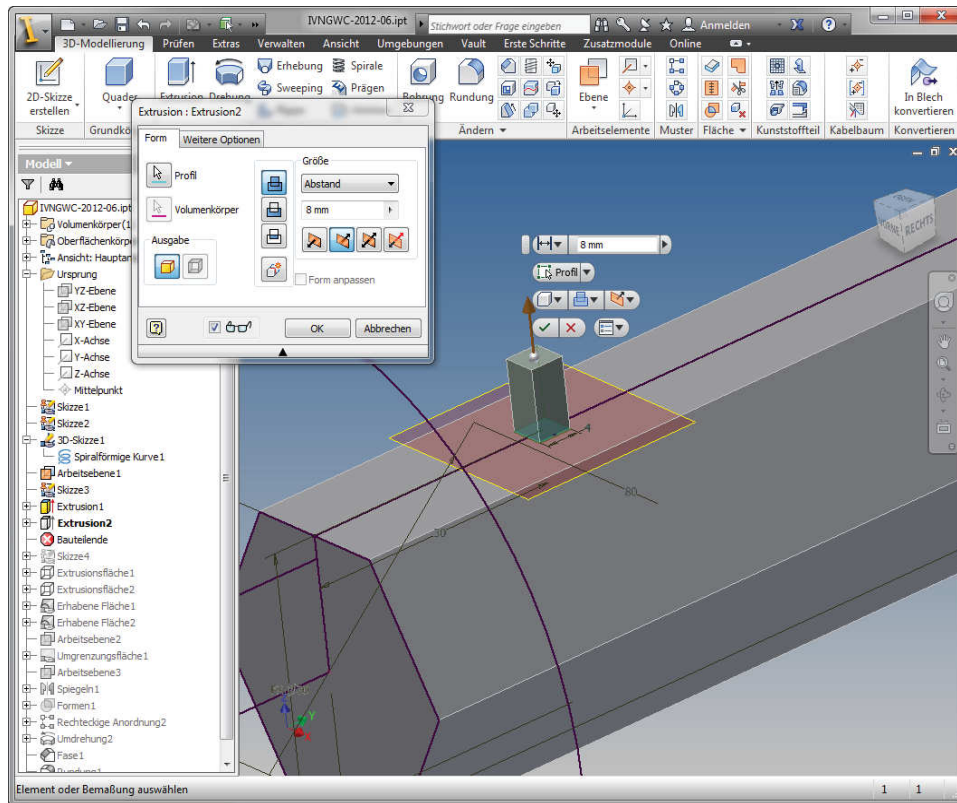


Extrusion „bis“ Linie in Skizze 2 (400mm)

*Extrusion „to“ line in sketch 2 (400mm)*

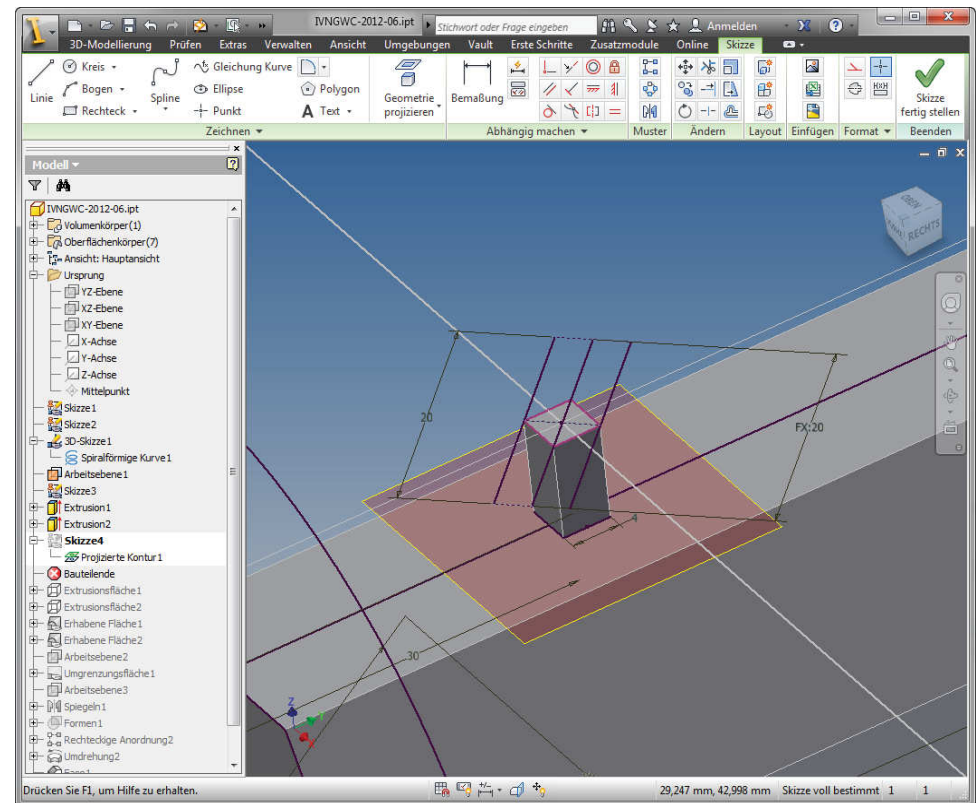


step 7



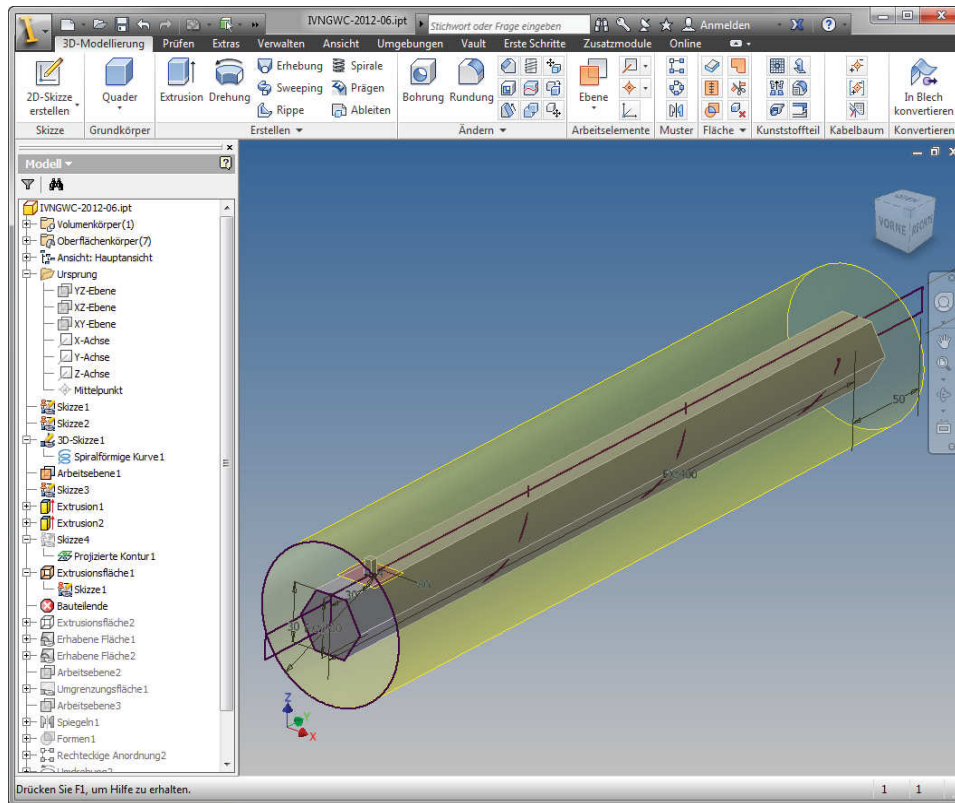
Extrusion 8mm  
*Extrusion 8mm*

step 8



Skizze auf Fläche  
*Sketch on surface*

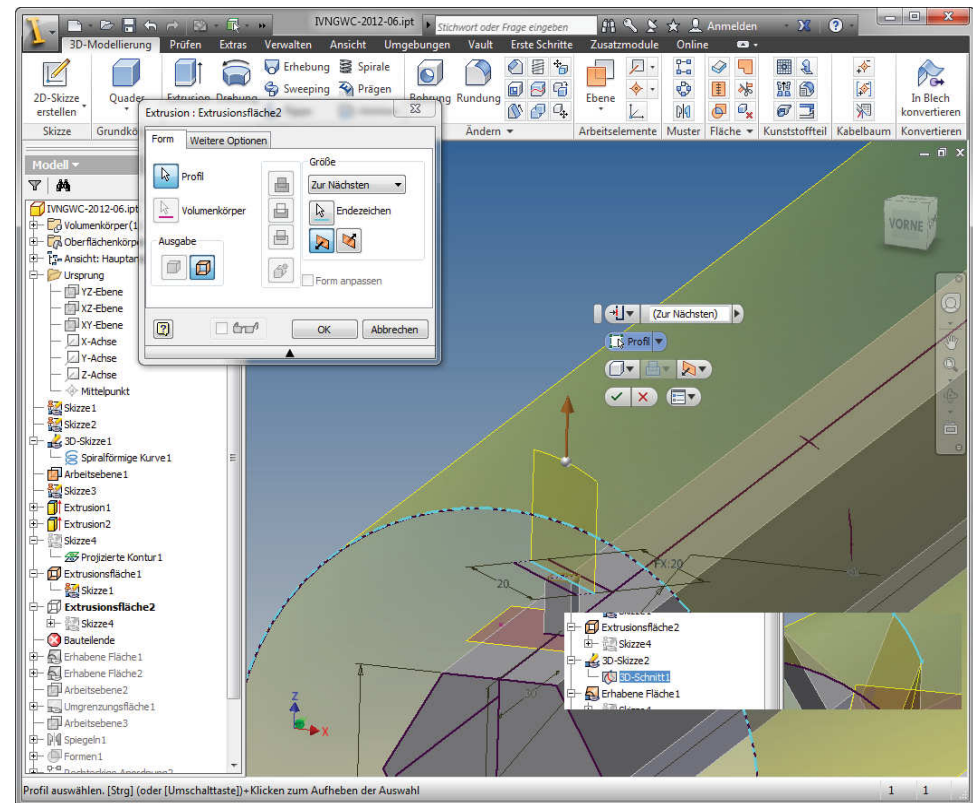
step 9



Extrusion als Fläche (Skizze 1)

*Extrusion as surface (sketch 1)*

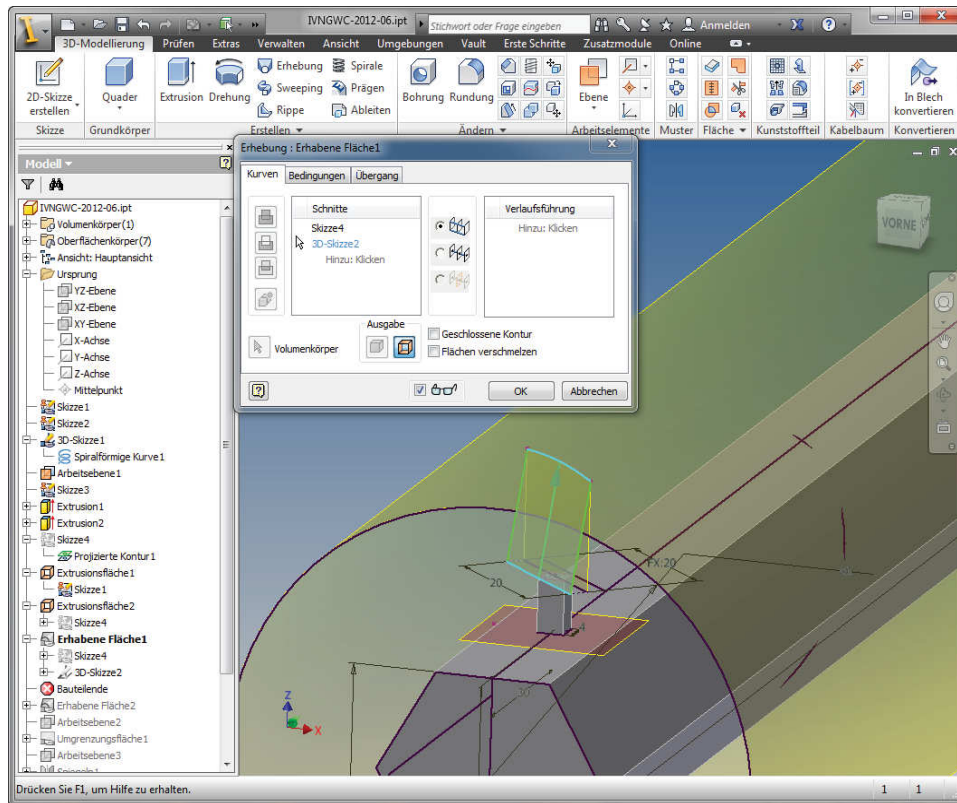
step 10



Extrusion als Fläche „zur nächsten“, 3D-Skizze mit 3D-Schnitt

*Extrusion as surface „onto next“, 3D-sketch with 3D-cut*

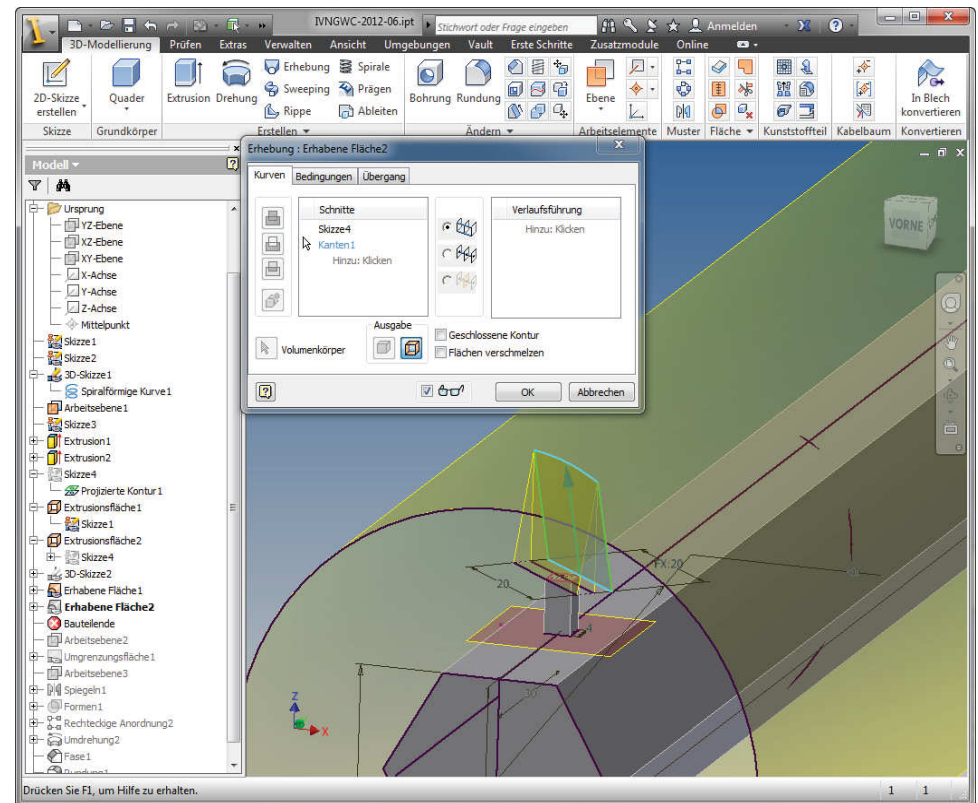
## step 11



Herhabene Fläche (Skizze 4 und 3D-Schnitt)

Raised surface (sketch 4 and 3D-cut)

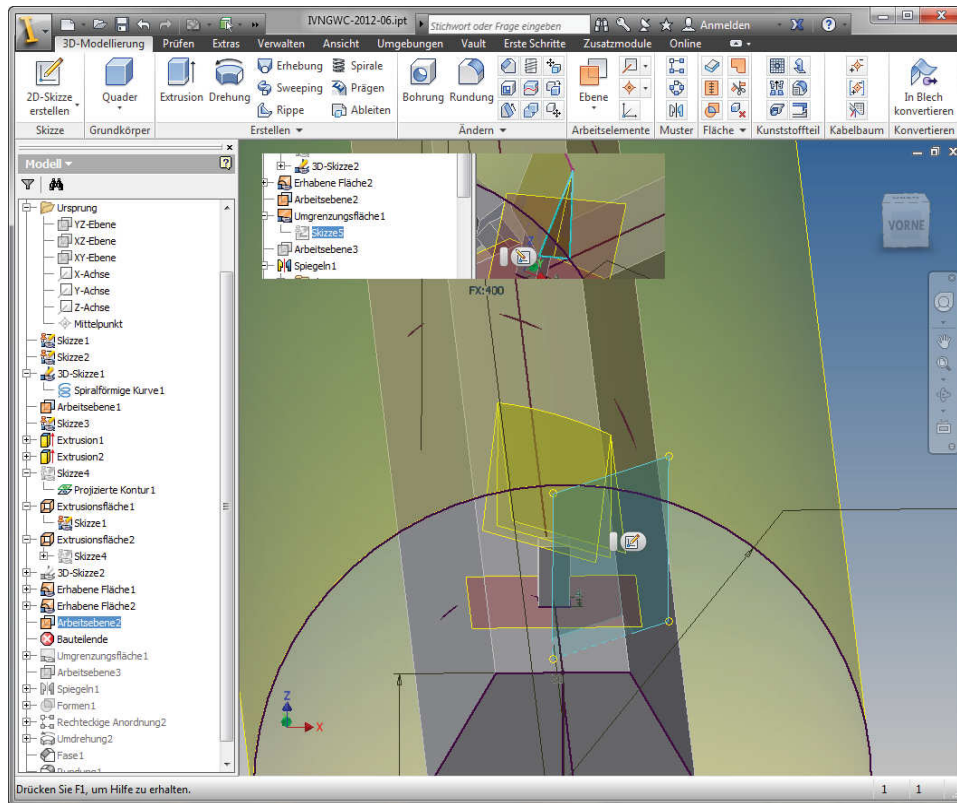
## step 12



Herhabene Fläche (Skizze 4 und 3D-Schnitt)

Raised surface (sketch 4 and 3D-cut)

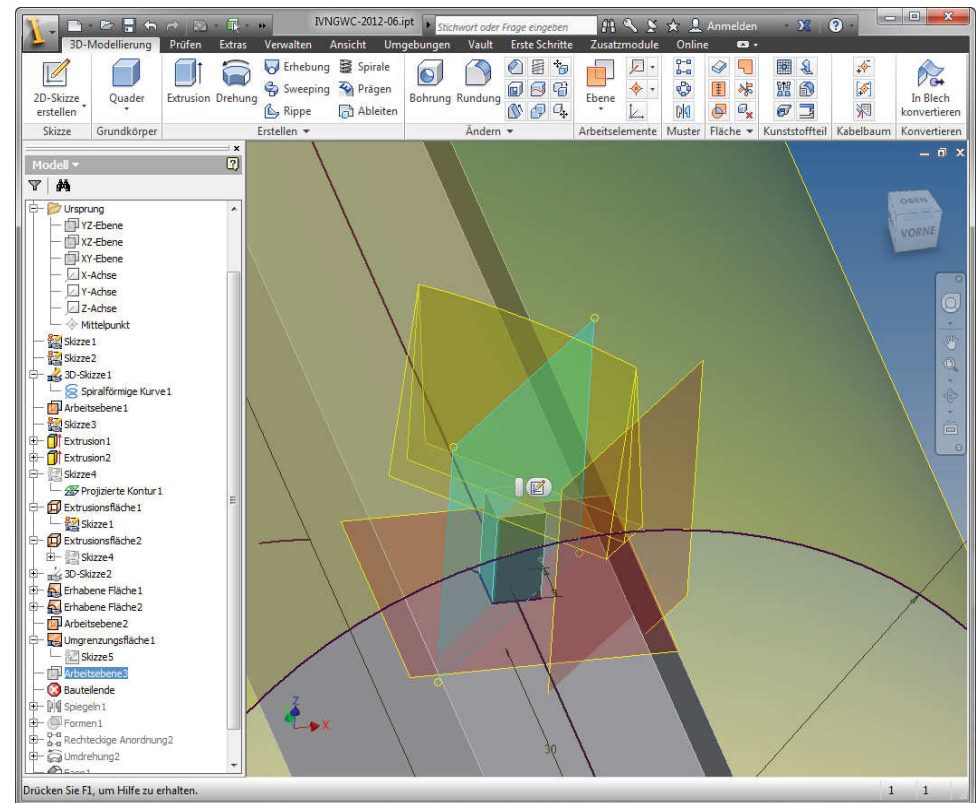
## step 13



Arbeitsebene, Umgrenzungsfläche

*Workplane, boundary surface*

## step 14

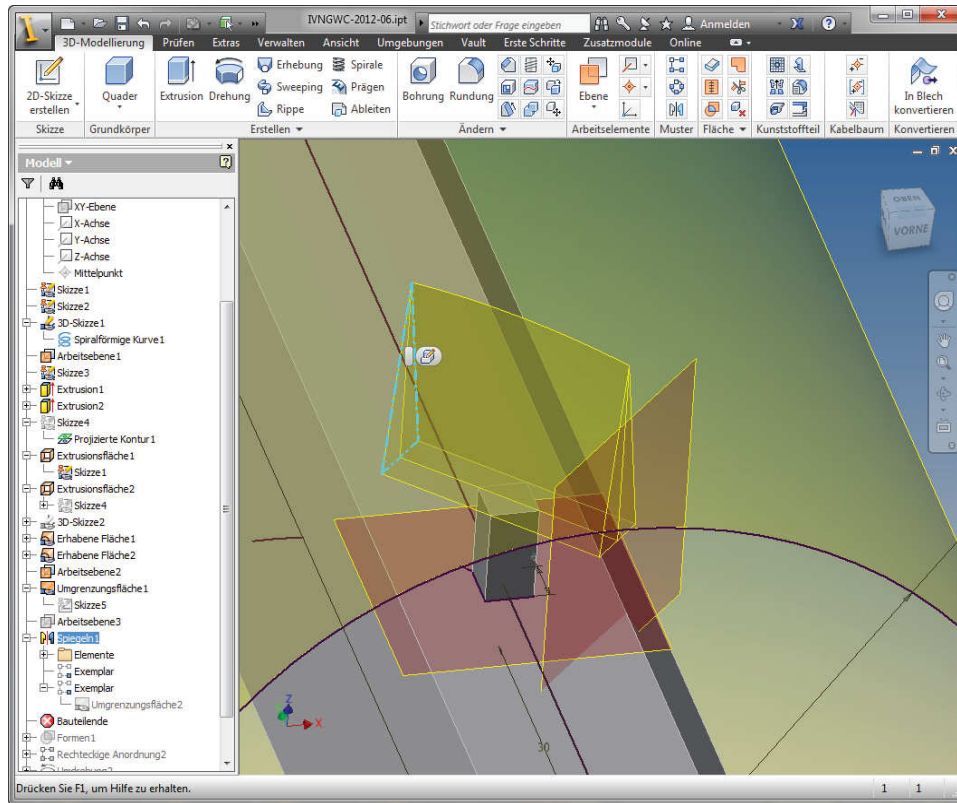


Arbeitsebene

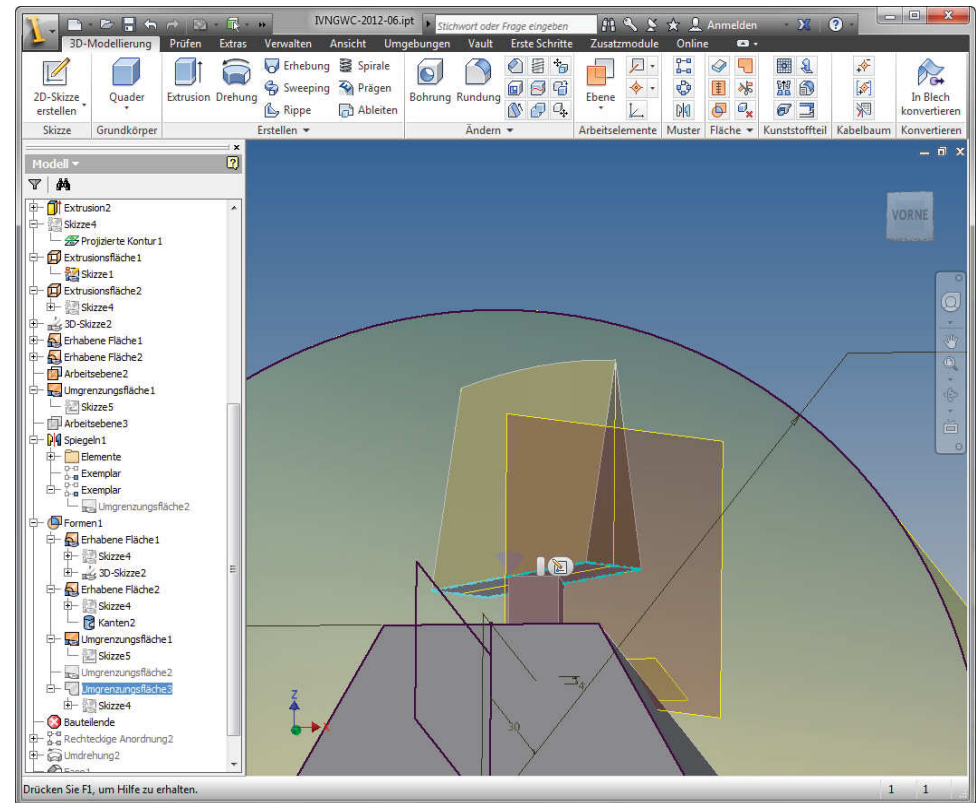
*Workplane*



## step 15



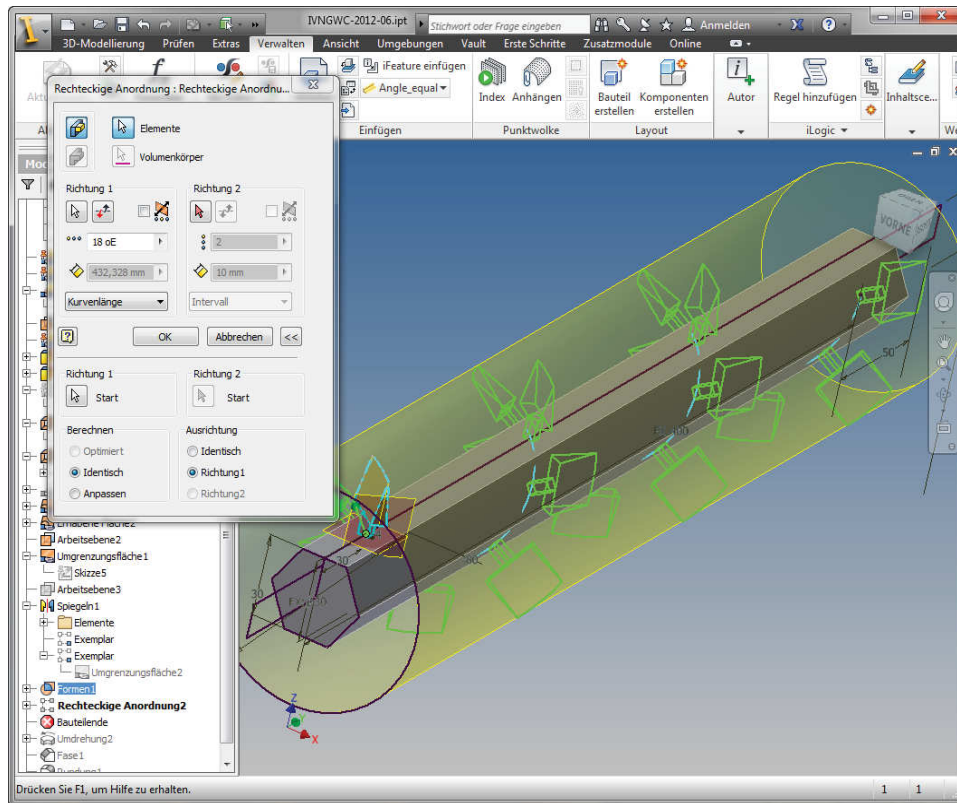
## step 16



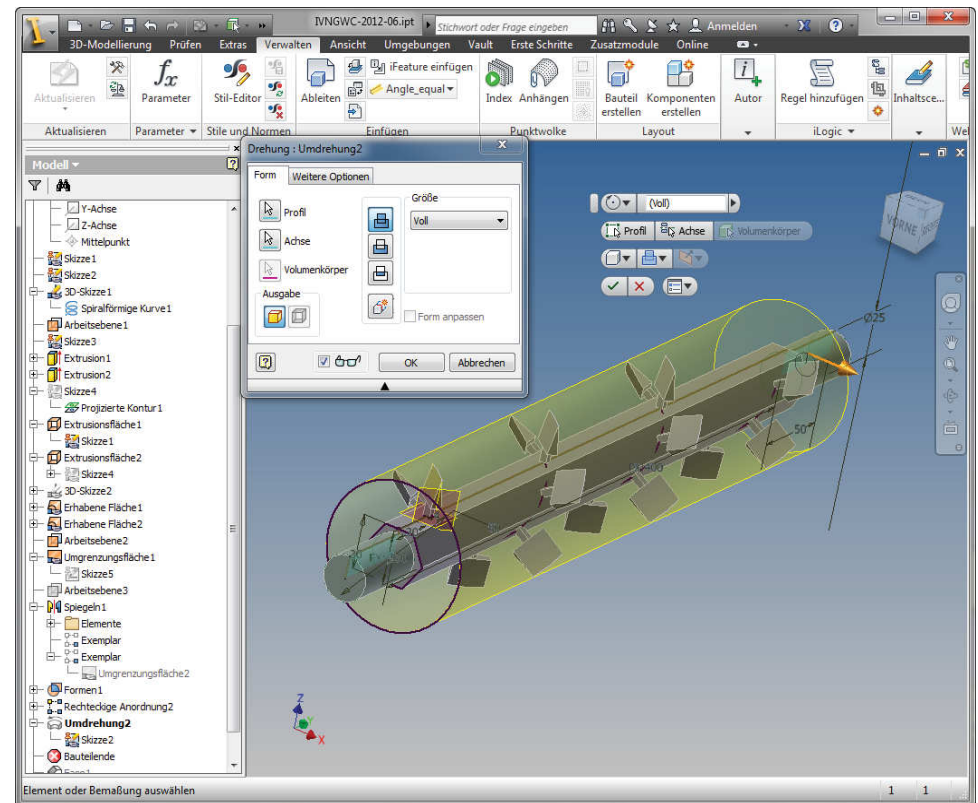
Spiegeln der Umgrenzungsfläche  
*mirroring of the boundary surface*

Formen aus den einzelnen Flächen  
forge with the various surfaces

step 15



step 16



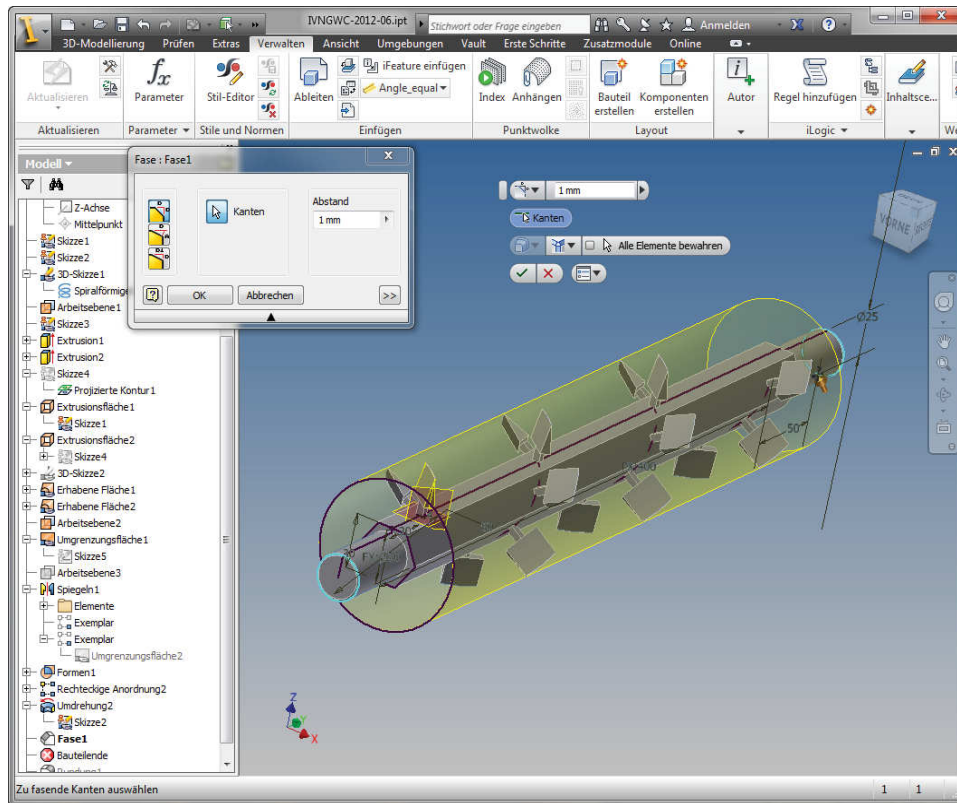
Anordnung am Pfad

Arrange on path

Drehung (Skizze 2)

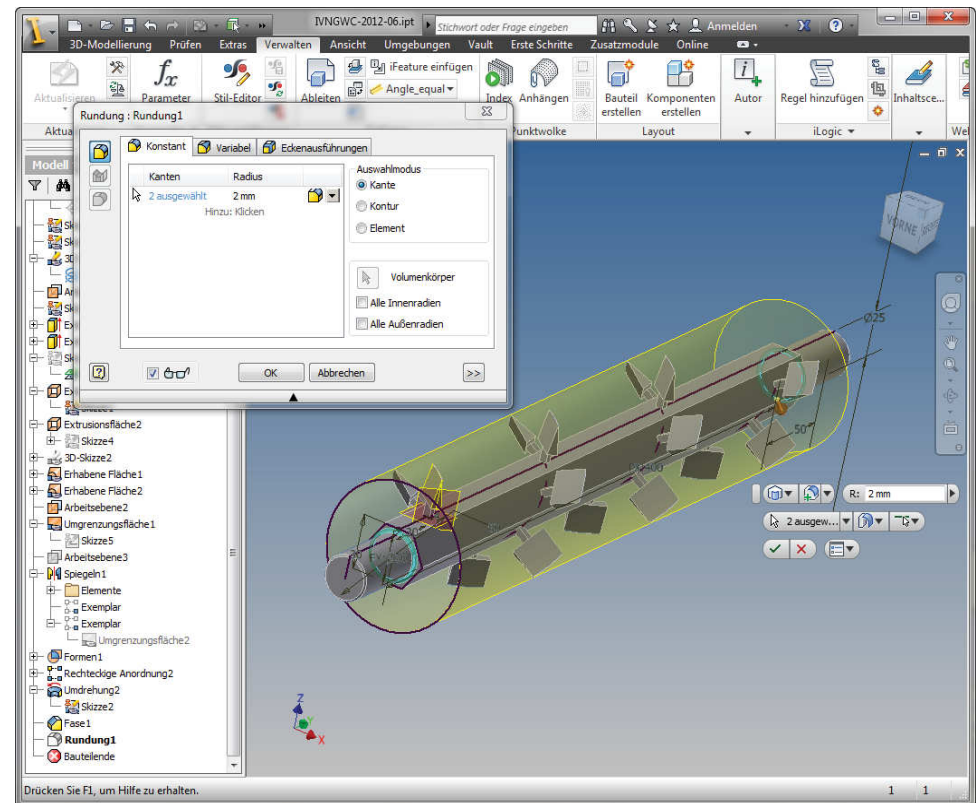
Revolving (sketch 2)

step 15



Fase  
Chamfer

step 16



Rundung  
rounding