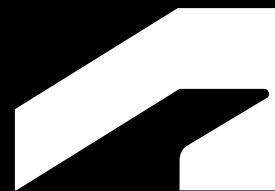




Inventor, Fusion

CAD Forum 2024

Irena Kubicová, Jan Přibáň, Martin Žatečka



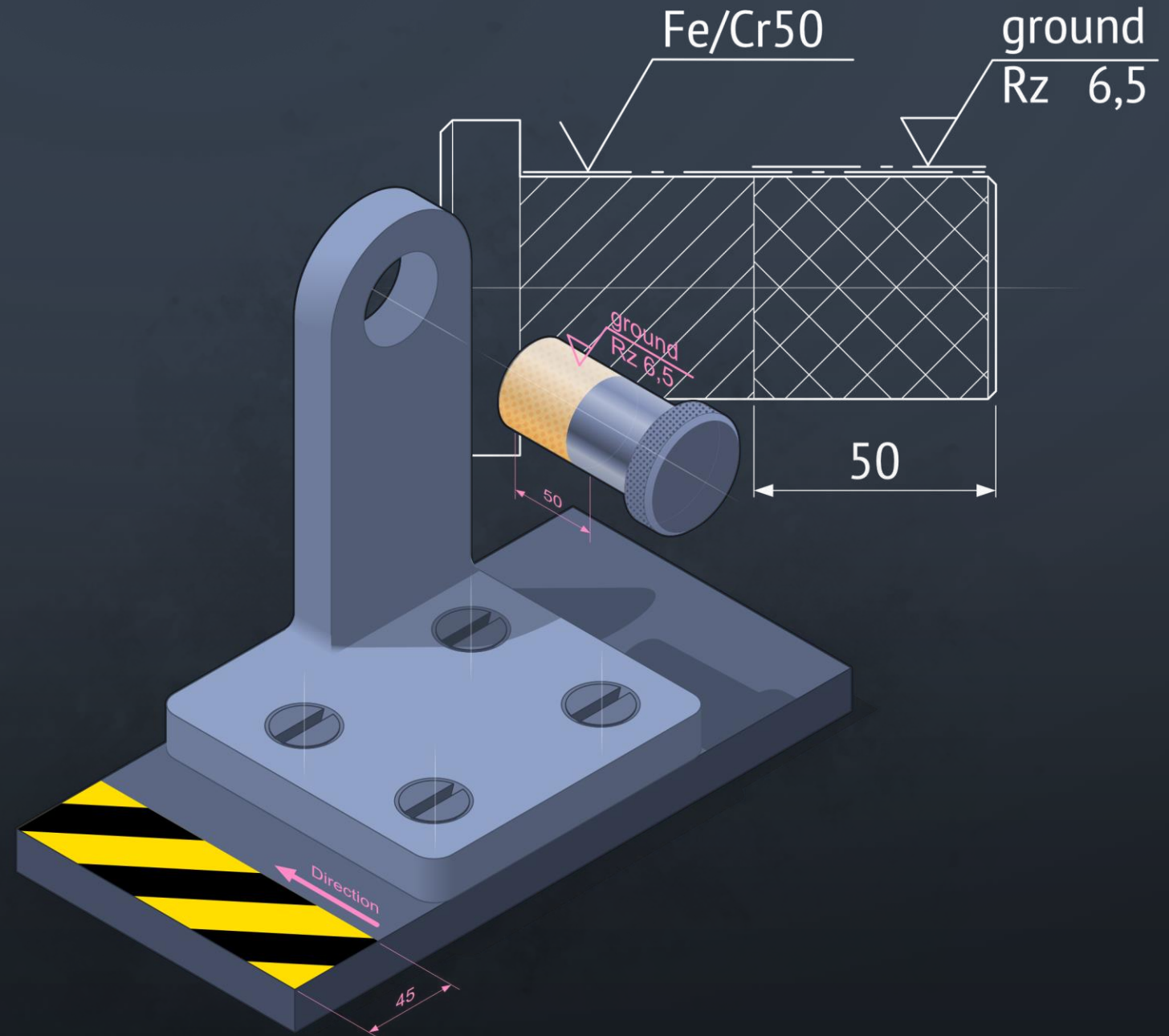
Modelování

Finish Feature

- Body / Face Selection
 - Body -(+) Face
- Exclude Parameter

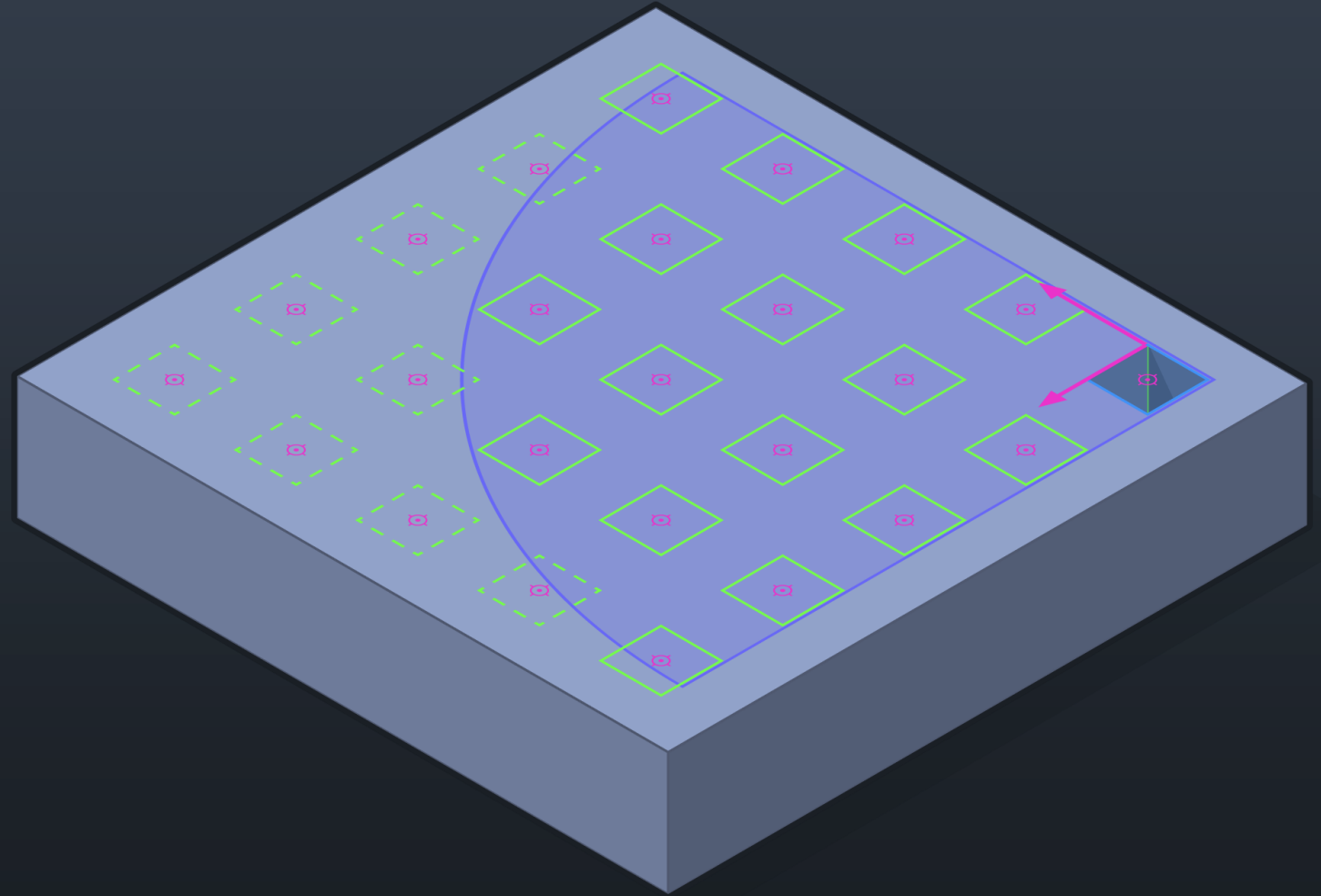
Future

- Library – Excel sheet
- Feature Selection
- Grain Direction
- TBD...



Patterns

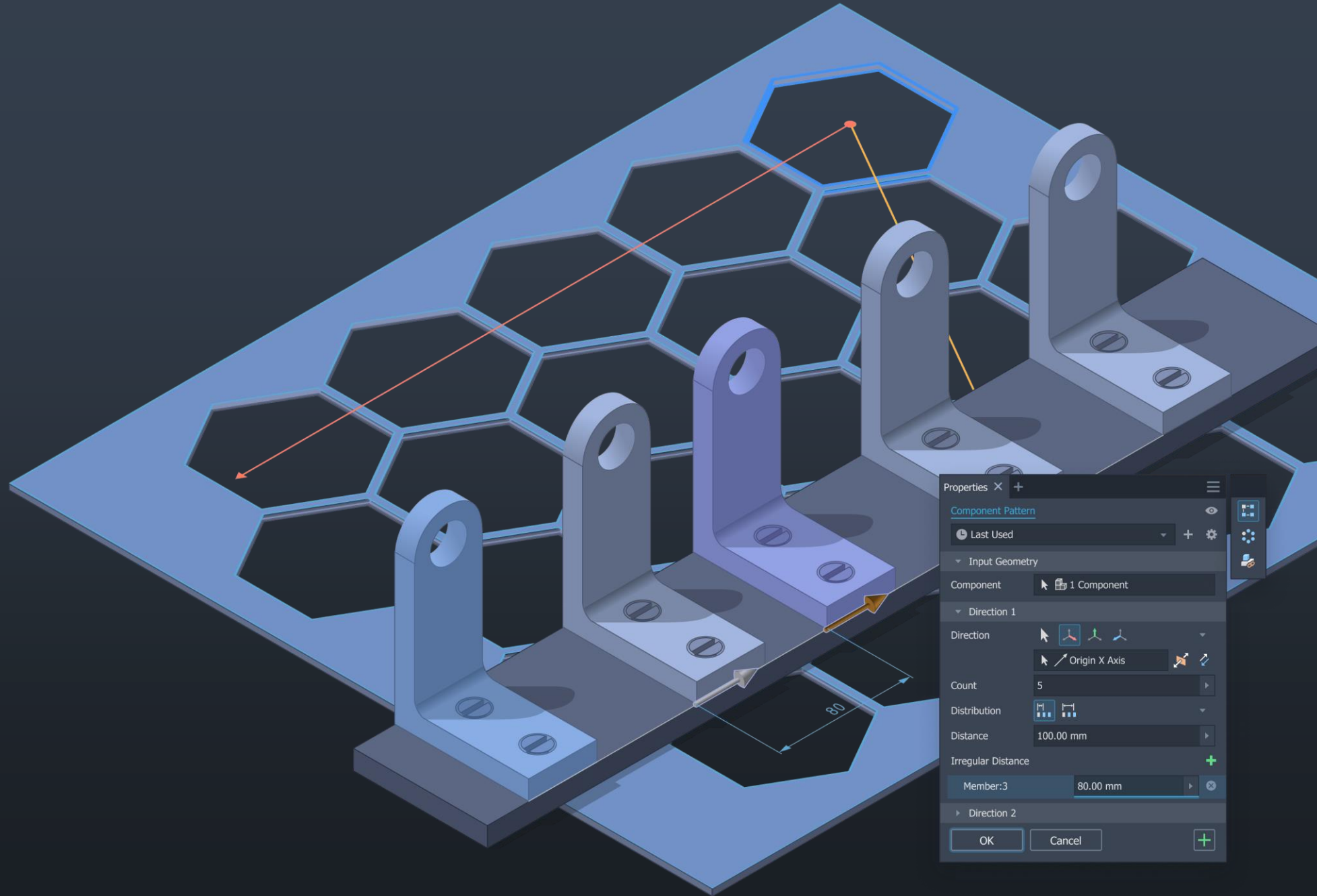
- Sketch: Circular, Rectangular
 - Boundary
 - Browser Node (Edit)
- Feature: Circular, Rectangular
 - Boundary



Patterns

Future

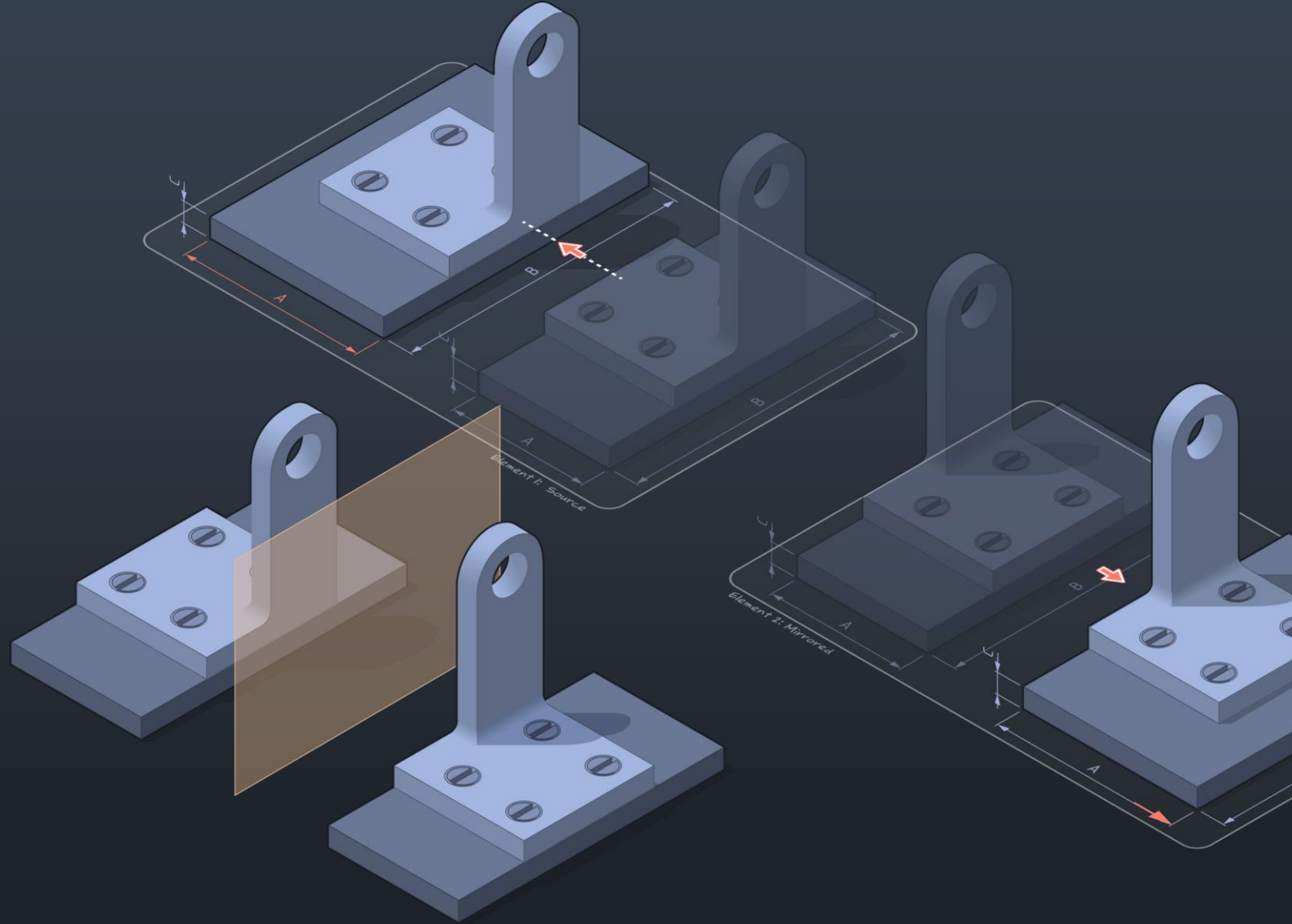
- Feature
 - Modernization
 - Irregular
 - Triangular
 - Fill
- Component
 - Modernization
 - Irregular

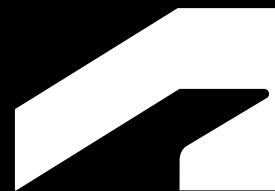


Mirror

Future

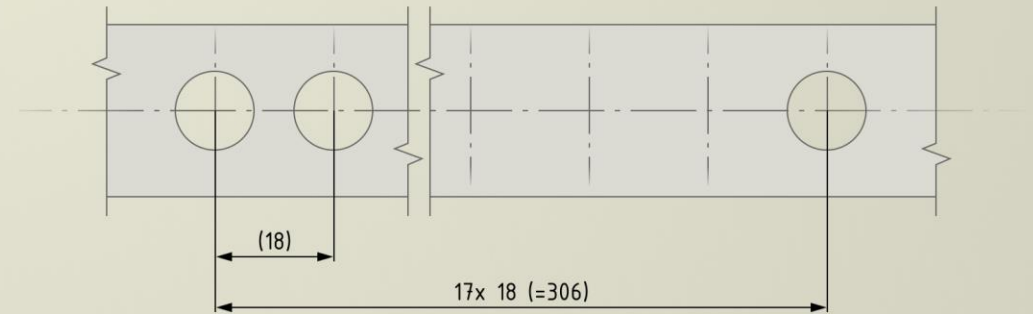
- Component Mirror
 - Associativity
 - Placement ON/OFF
 - Geometry ON/OFF
- Feature Mirror
 - Part with modelling history
 - Mirror Feature + Remove Original
- Mirror Drawings





2D Anotace

ISO 129-1: Equally Spaced Features



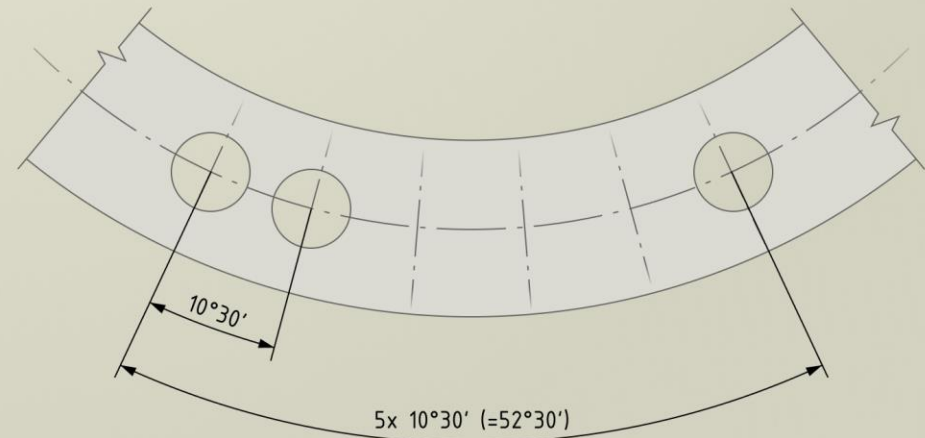
Equally spaced features

Where features have the same spacing and are uniformly arranged, their dimensioning may be simplified as follows:

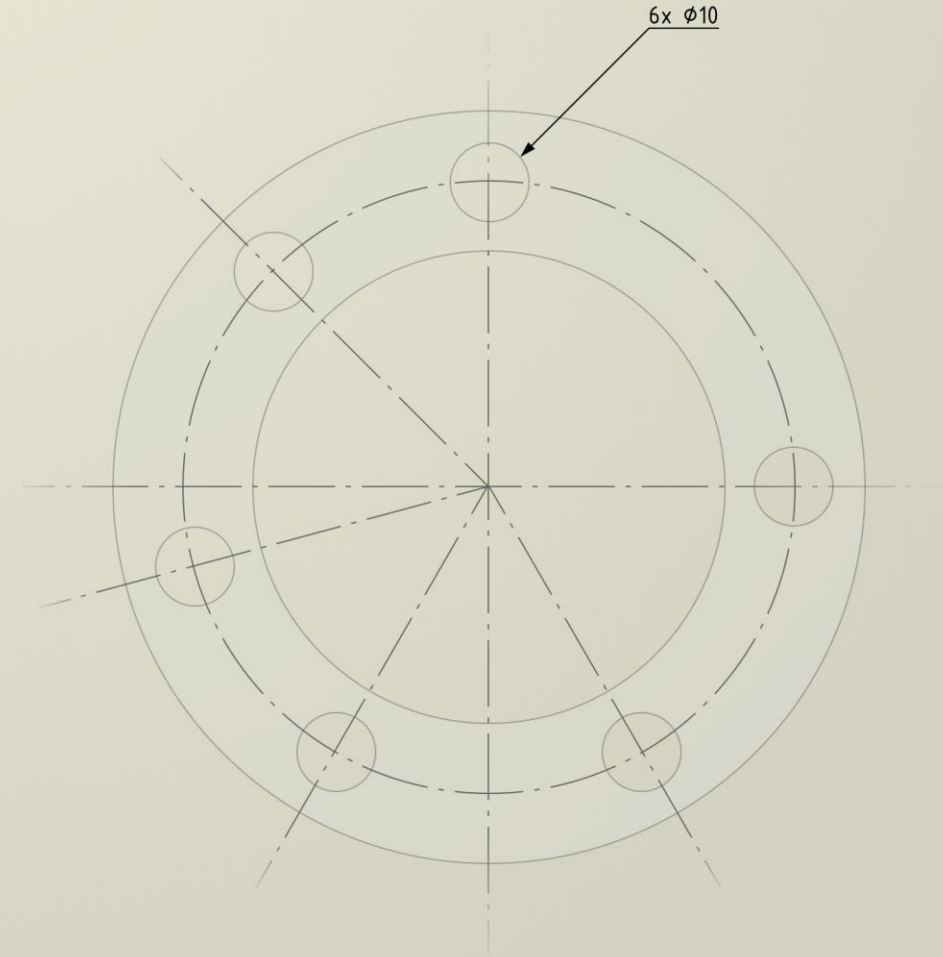
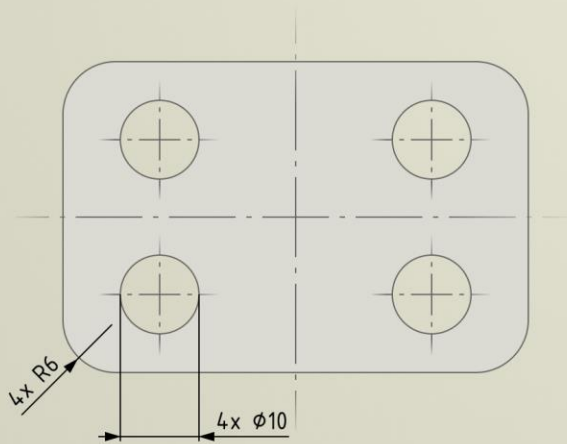
Repeated linear and angular spacing may be indicated with the number of spacings and their dimensional value separated by the symbol "x". The number of spacings shall directly precede the symbol "x" without space and the dimensional value shall be preceded by a space, e.g. 17x 18.

If there is any risk of confusion between the length of the space and the number of spacings, one space may additionally be dimensioned as an auxiliary dimension.

The sum of the linear or angular spacing of the indicated features is an auxiliary dimension. The total representation is to be indicated as the number of spacing multiplied by the dimensional value of the spacings and the sum given in parenthesis preceded by the equal sign.



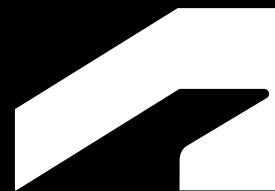
ISO 129-1: Repeated Features



Repeated features

Where clarity is not impaired, features having the same dimensional value may be indicated by that value preceded by the number of features and the symbol "x". The number of features shall directly precede the symbol "x" without a space and the dimensional value shall be preceded by a space after the symbol "x".

The dimensions of symmetrically arranged features shall be indicated once only. The total number of repeated dimensions shall be indicated, followed directly (i.e. without a space) by the symbol "x" and followed by the indication of the dimension preceded by a space, e.g. $6 \times R8$.

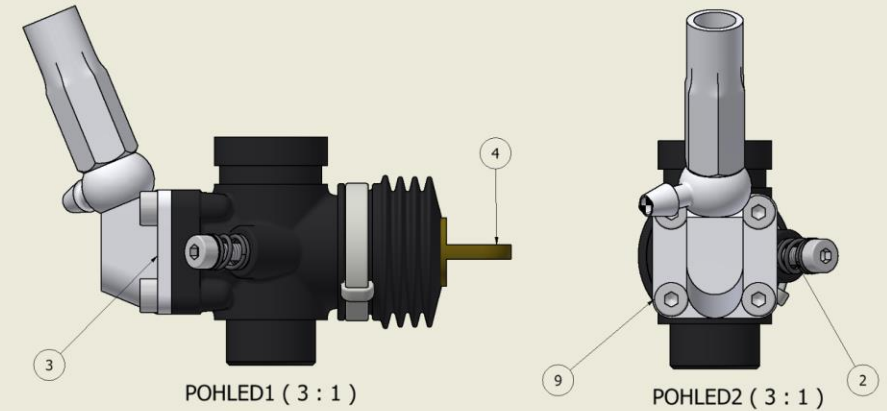
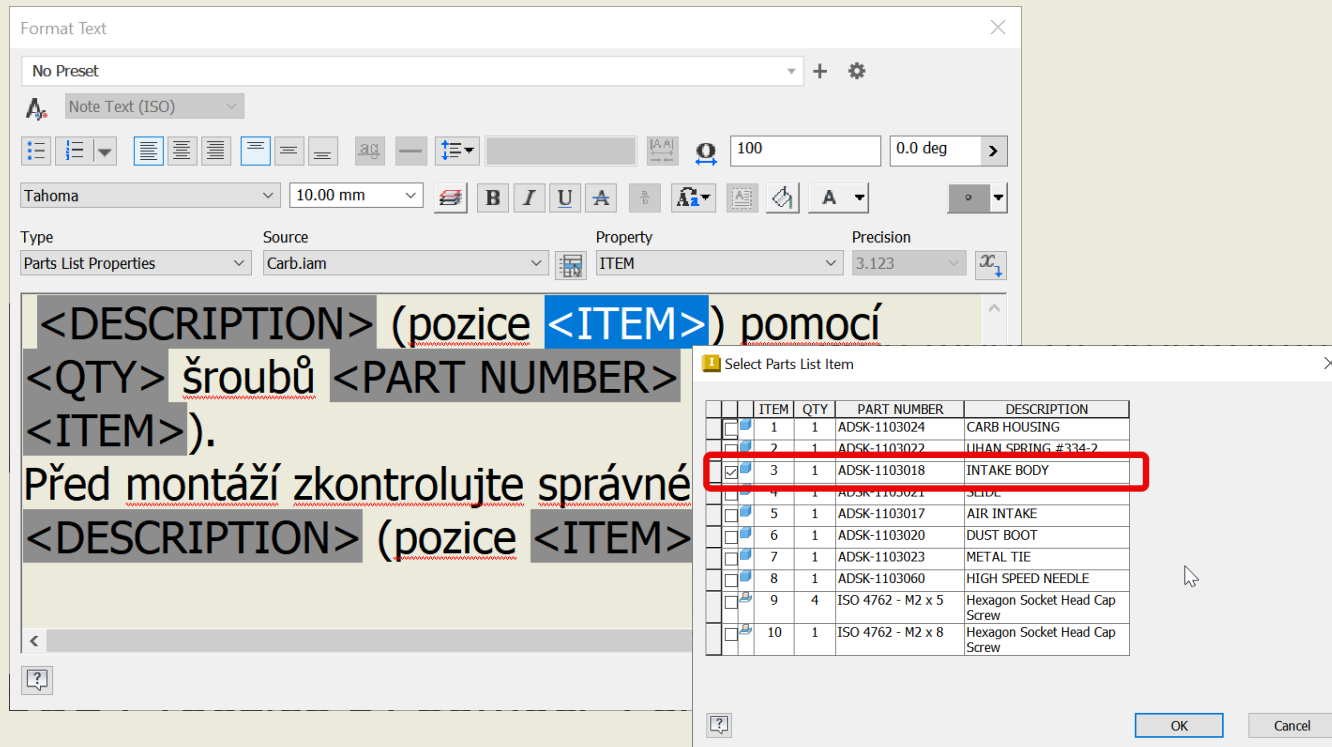


Novinky v prostředí výkresů

(Inventor 2025)

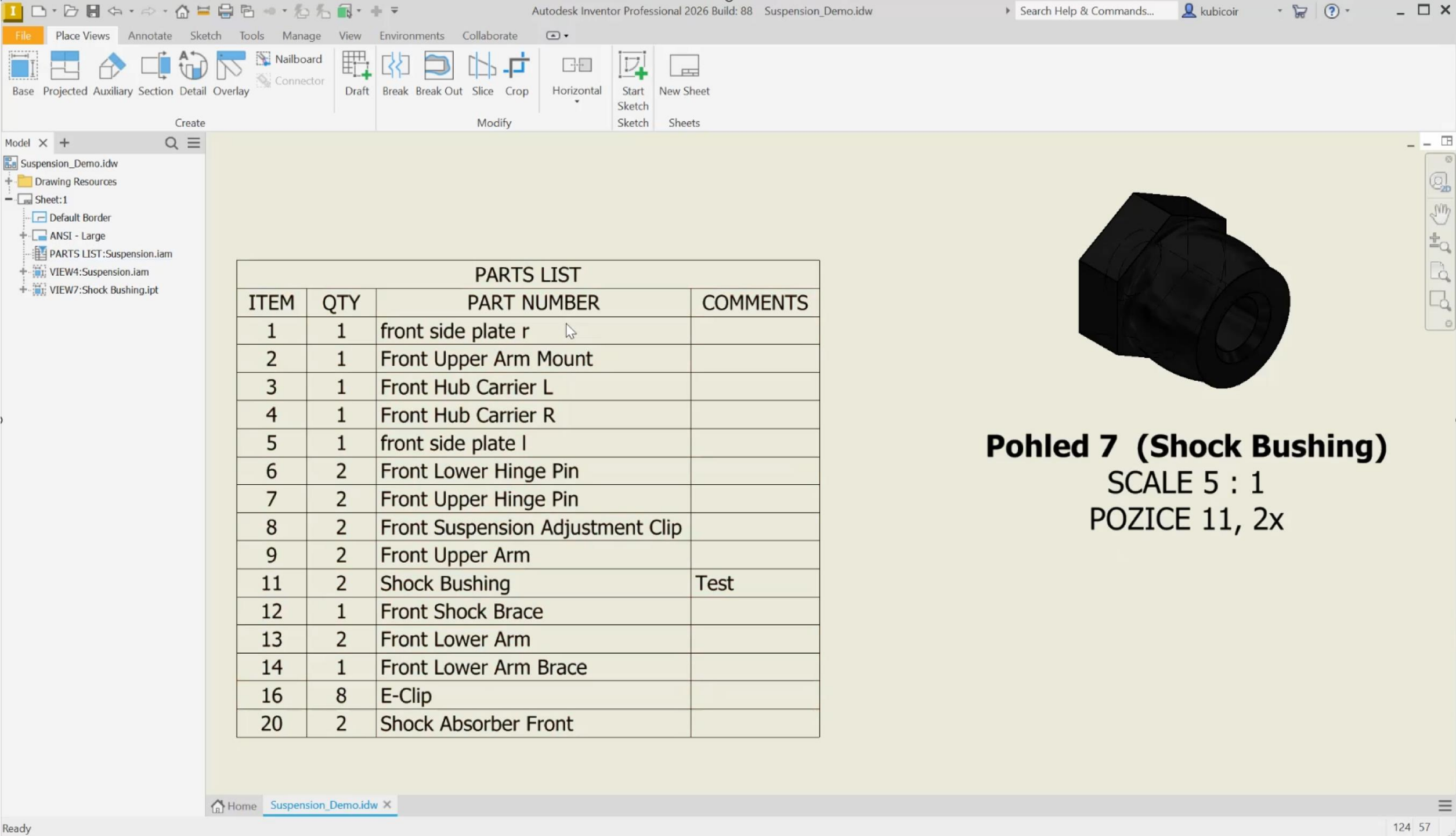
Kusovníková data v textu

- Obecná poznámka
- Popisek pohledu

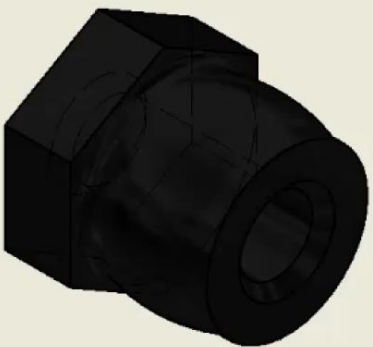


INTAKE BODY (pozice 3) pomocí 4 šroubů ISO 4762 - M2 x 5 (pozice 9).
Před montáží zkontrolujte správné umístění dílu UHAN SPRING #334-2 (pozice 2).

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	ADSK-1103024	CARB HOUSING
2	1	ADSK-1103022	UHAN SPRING #334-2
3	1	ADSK-1103018	INTAKE BODY
4	1	ADSK-1103021	SLIDE
5	1	ADSK-1103017	AIR INTAKE
6	1	ADSK-1103020	DUST BOOT
7	1	ADSK-1103023	METAL TIE
8	1	ADSK-1103060	HIGH SPEED NEEDLE
9	4	ISO 4762 - M2 x 5	Hexagon Socket Head Cap Screw
10	1	ISO 4762 - M2 x 8	Hexagon Socket Head Cap Screw



PARTS LIST			
ITEM	QTY	PART NUMBER	COMMENTS
1	1	front side plate r	
2	1	Front Upper Arm Mount	
3	1	Front Hub Carrier L	
4	1	Front Hub Carrier R	
5	1	front side plate l	
6	2	Front Lower Hinge Pin	
7	2	Front Upper Hinge Pin	
8	2	Front Suspension Adjustment Clip	
9	2	Front Upper Arm	
11	2	Shock Bushing	Test
12	1	Front Shock Brace	
13	2	Front Lower Arm	
14	1	Front Lower Arm Brace	
16	8	E-Clip	
20	2	Shock Absorber Front	



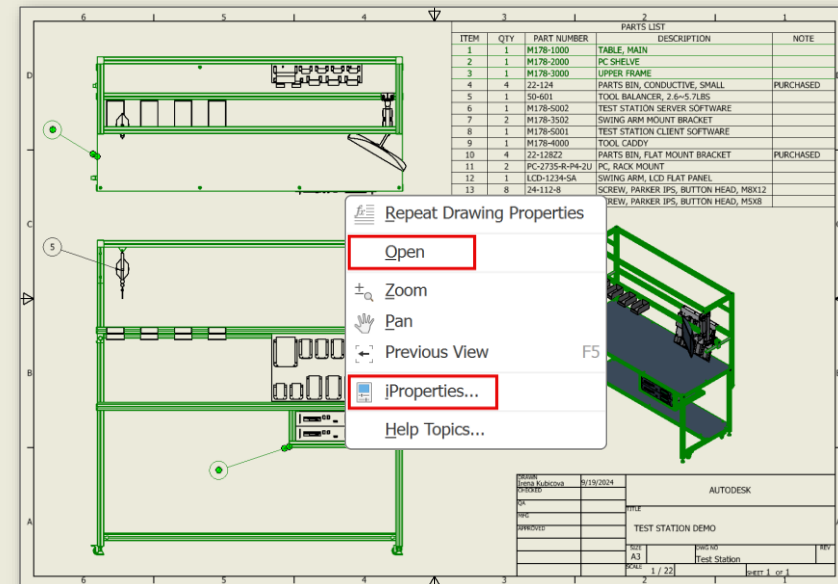
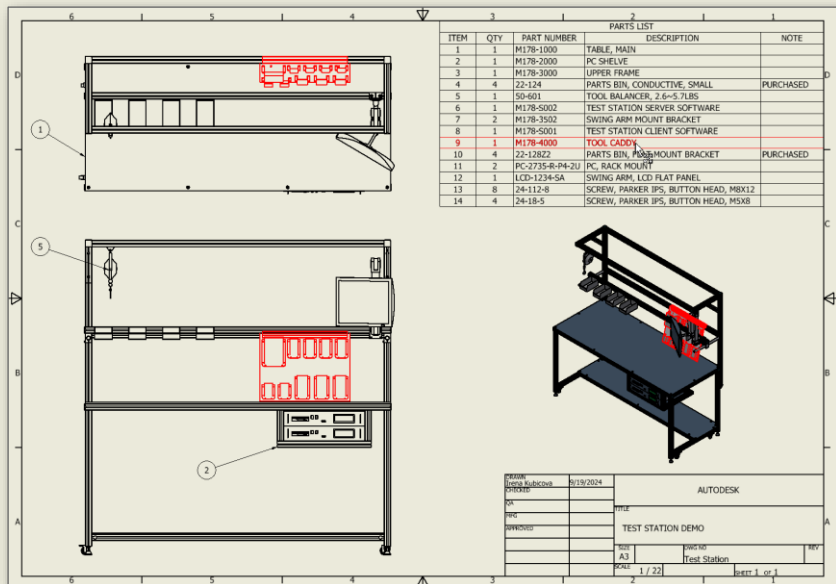
Pohled 7 (Shock Bushing)
SCALE 5 : 1
POZICE 11, 2x

„Interaktivní“ kusovník

- Zvýraznění dílu z řádku kusovníku
- Zvýraznění řádku kusovníku po najetí nad geometrií

Stejný zdrojový model pro pohled a kusovník

- Přístup k dialogu iVlastnosti z menu kusovníkového řádku
- Otevření modelů pro vybrané řádky kusovníku



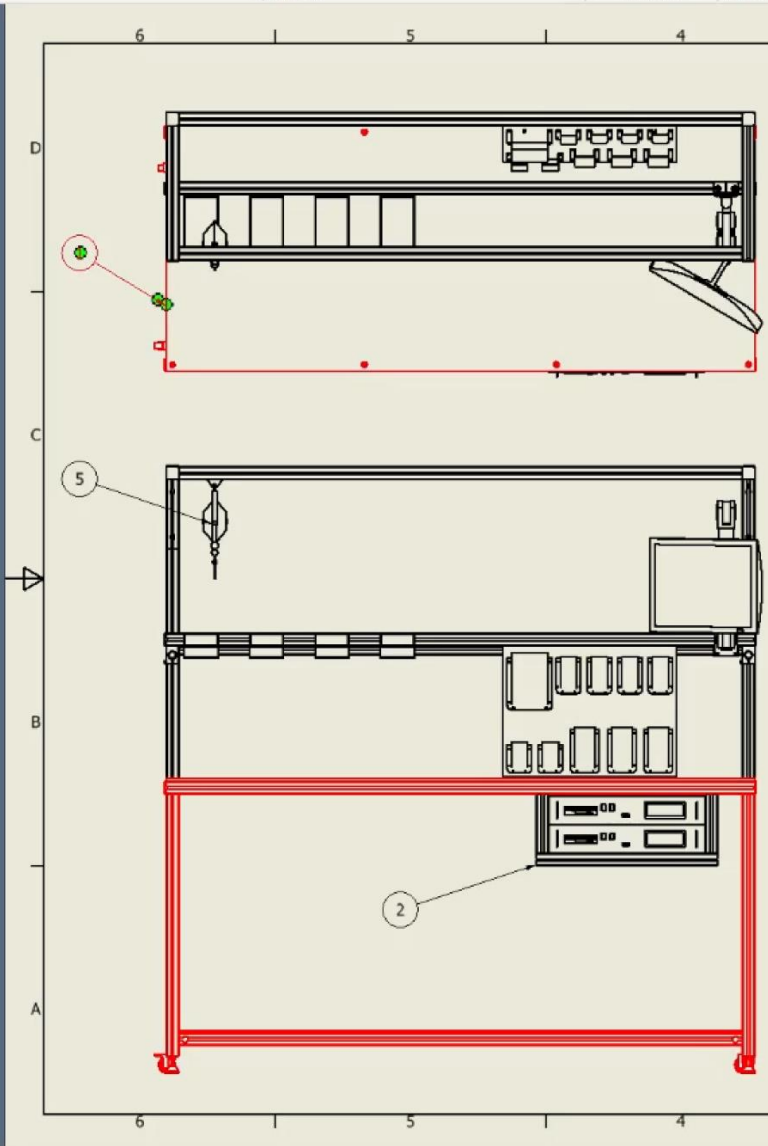
File Place Views Annotate Sketch Tools Manage View Environments Collaborate

Dimension Baseline Arrange Ordinate Chain Dimension Hole and Thread Chamfer Punch Bend Feature Notes Text Leader Text Insert Sketch Symbol Surface Welding Import Caterp... Symbols Retrieve Model Annotations Retrieve Start Sketch Sketch Parts List Revision General Table Balloon Revision Tag Revision Table Cloud Edit Layers

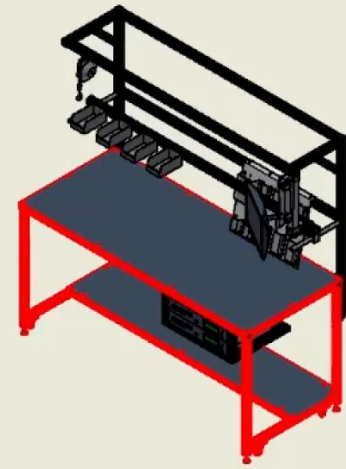
By Standard (Syn) By Standard (Parts Li) Format

Model X +

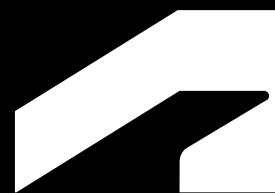
- Test Station.idw
 - Drawing Resources
 - Sheet:1
 - Default Border
 - ANSI A
 - Field Text
 - PARTS LIST:Test Station.iam
 - VIEW1:Test Station.iam
 - Test Station.iam
 - VIEW2:Test Station.iam
 - VIEW8:Test Station.iam
 - Test Station.iam
 - Origin
 - M178-1000:1
 - M178-2000:1
 - M178-3000:1
 - Totes Pattern
 - Standard Tote:14
 - Filled Tote 2:1
 - Component Pattern 3:1
 - 50-601:1
 - Monitor Phantom:1
 - M178-4000 Phantom:1
 - PC, RACK MOUNT, 2U:1
 - PC, RACK MOUNT, 2U:2
 - Windows XP Professional, SP2:1
 - Windows XP Professional, SP2:2
 - Test Station Client Software:1
 - Test Station Server Software:1



PARTS LIST				
ITEM	QTY	PART NUMBER	DESCRIPTION	NOTE
1	1	M178-1000	TABLE, MAIN	
2	1	M178-2000	PC STATION	
3	1	M178-3000	UPPER FRAME	
4	4	22-124	PARTS BIN, CONDUCTIVE, SMALL	
5	1	50-601	TOOL BALANCER, 2.6~5.7LBS	
6	1	M178-S002	TEST STATION SERVER SOFTWARE	
7	2	M178-3502	SWING ARM MOUNT BRACKET	
8	1	M178-S001	TEST STATION CLIENT SOFTWARE	
9	1	M178-4000	TOOL CADDY	
10	4	22-128Z2	PARTS BIN, FLAT MOUNT BRACKET	
11	2	PC-2735-R-P4-2U		
12	1	LCD-1234-SA	SWING ARM, LCD FLAT PANEL	
13	8	24-112-8	SCREW, PARKER IPS, BUTTON HEAD, M8X12	
14	4	24-18-5	SCREW, PARKER IPS, BUTTON HEAD, M5X8	



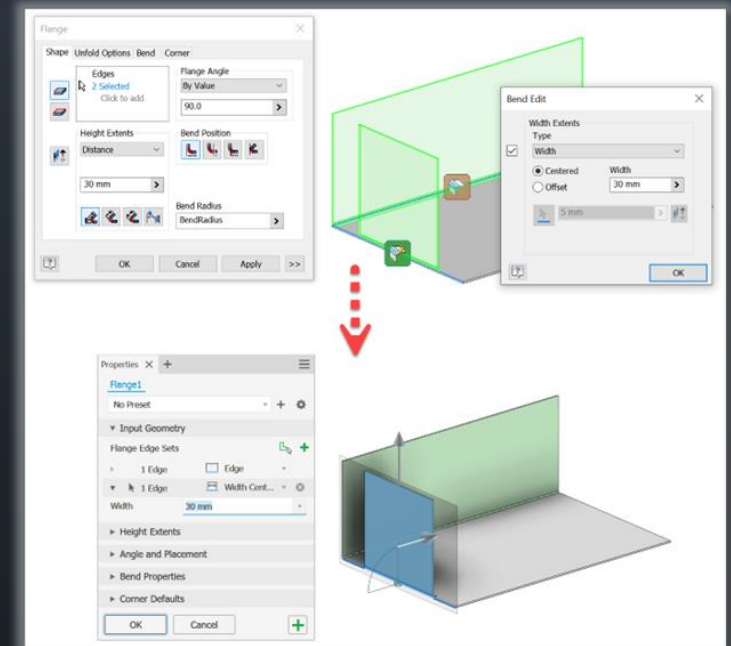
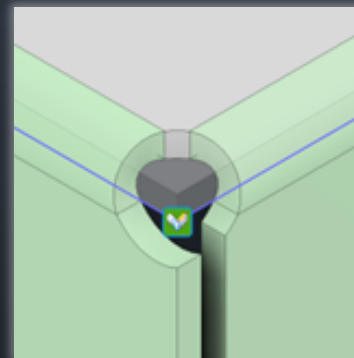
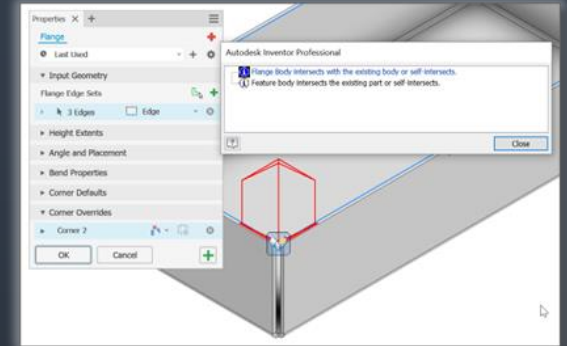
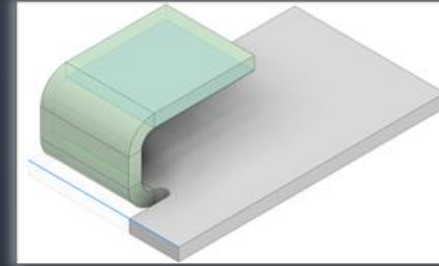
DESIGN	9/19/2024	AUTODESK	
DRAWN	Irena Kubickova	TITLE	
CHECKED		TEST STATION DEMO	
QA		SIZE	DWG NO
MRG		A3	Test Station
APPROVED		SCALE	REV
		1 / 22	
		SHEET 1 OF 1	

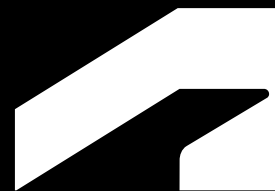


Modernizace prostředí plechových dílů

Co je to „modernizace“?

- Zjednodušené pracovní postupy
- Přehledné uživatelské rozhraní
- Automatické spuštění náčrtu
- Drobečková navigace pro náčrt
- Předvolby
- Realistický náhled
- Přímá manipulace
- Varování při nesprávné volbě
- Lepší stabilita a robustnost
- Podpora tmavého motivu

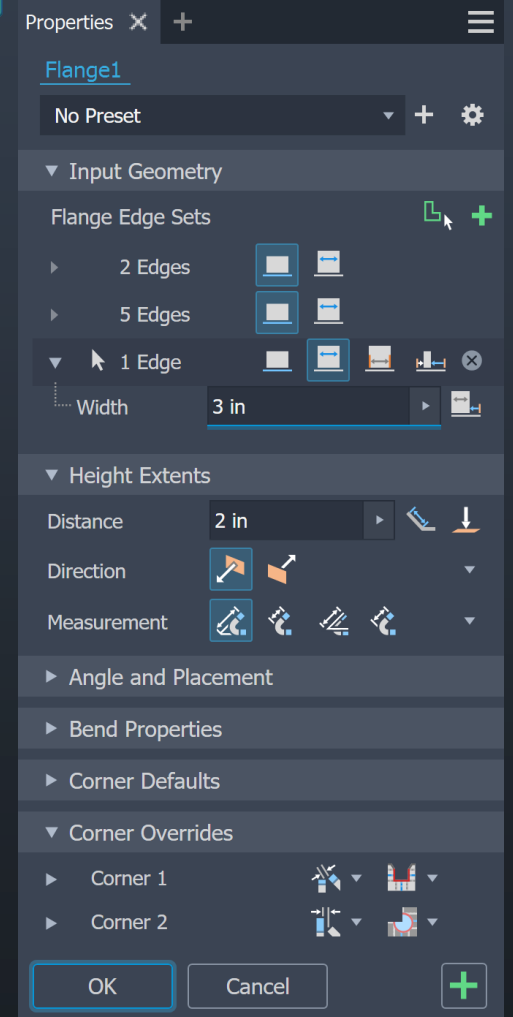
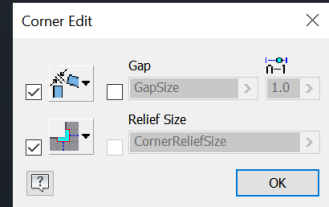
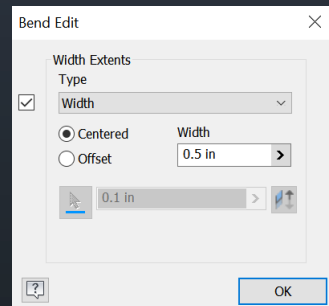
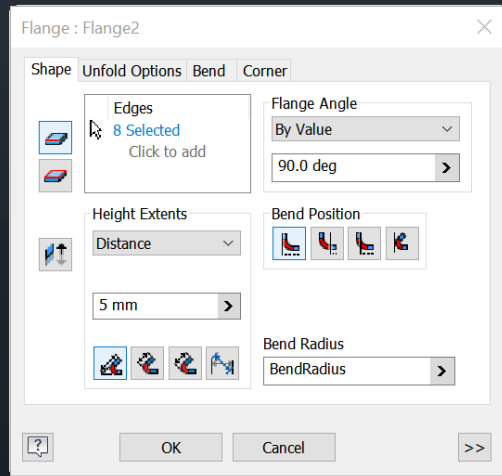
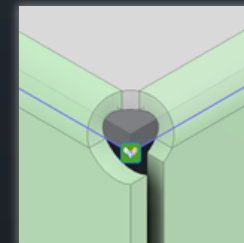
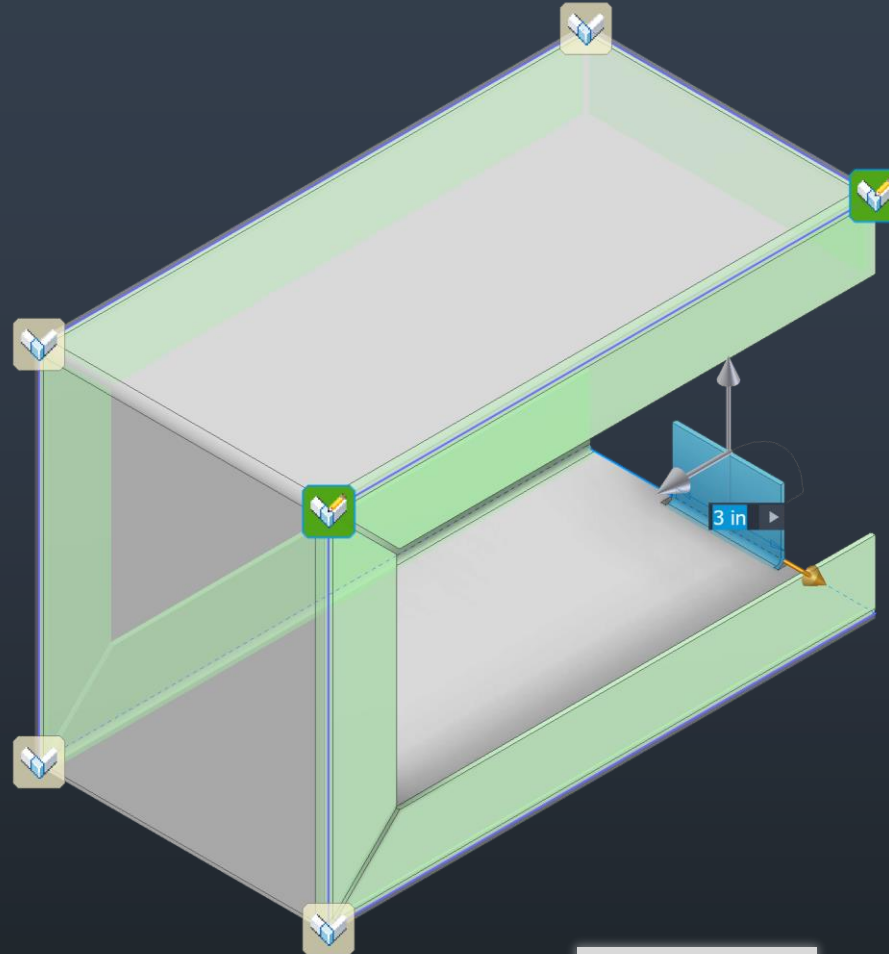
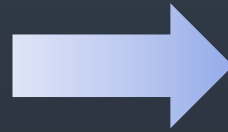
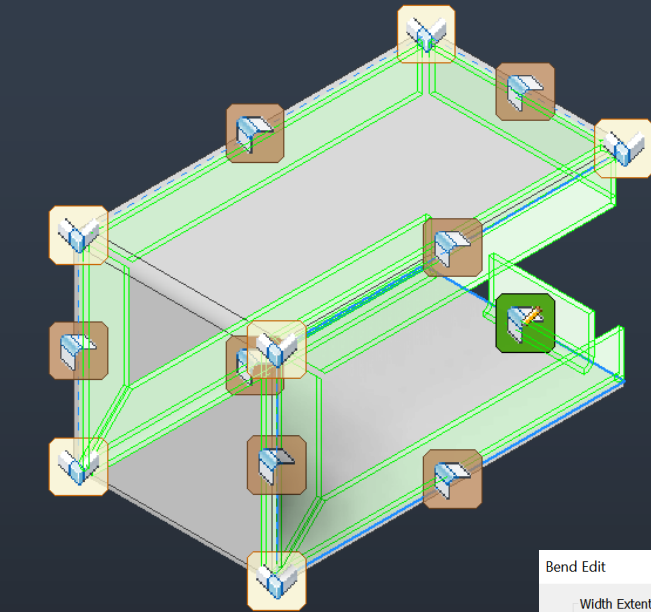




Příkazy Obruba, Plocha a Vyříznutí

Inventor 2025

Obruba



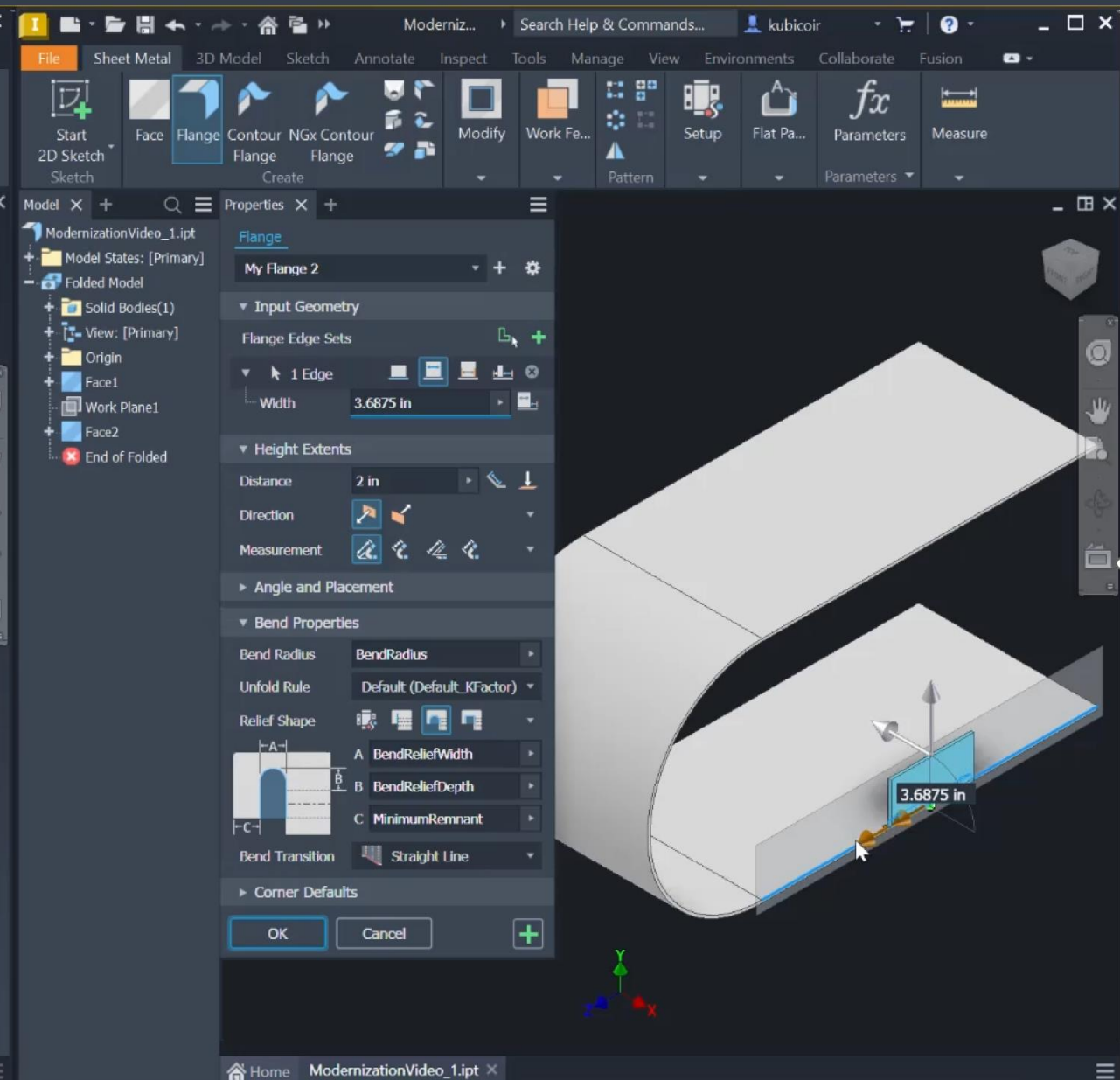
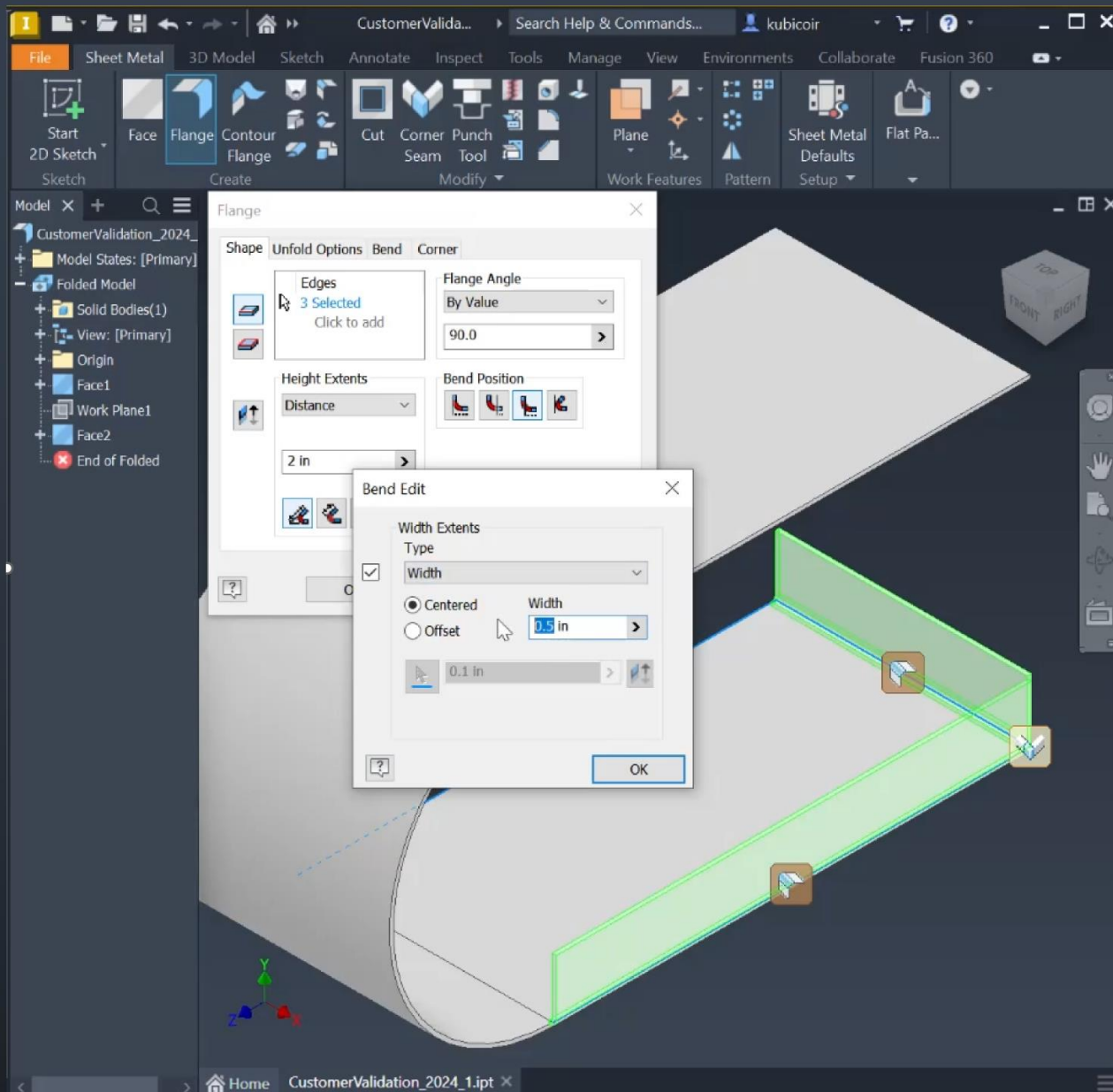


2024

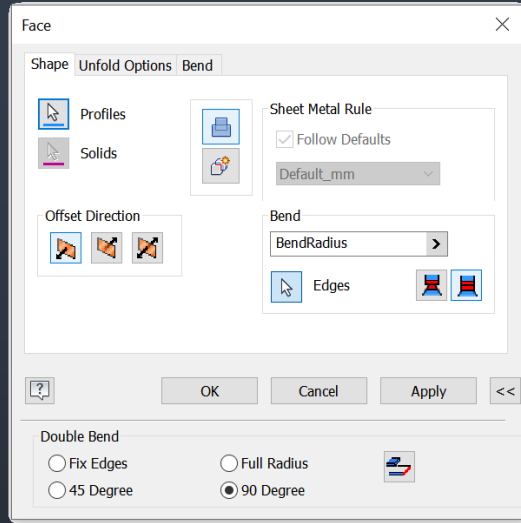
Obruba



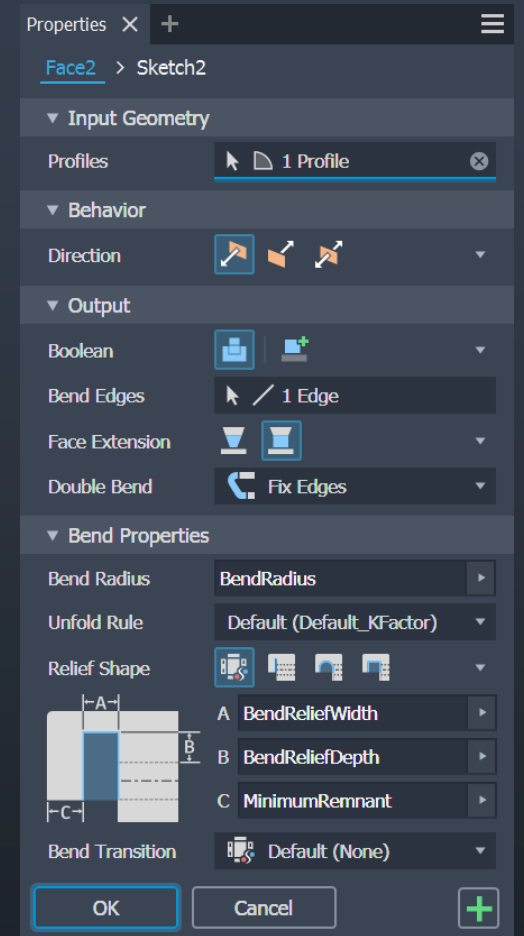
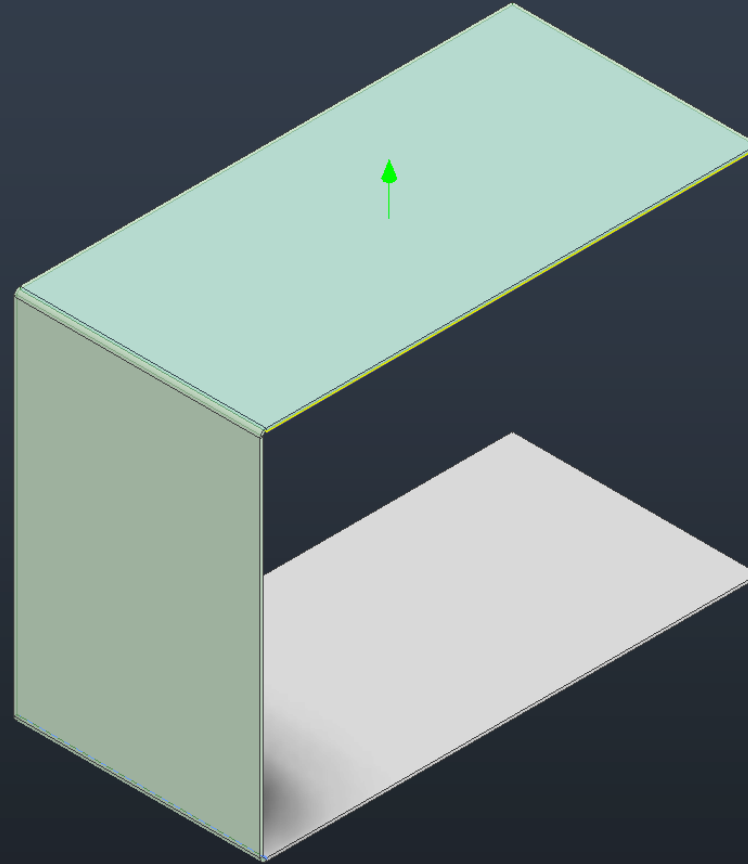
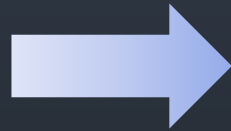
2025



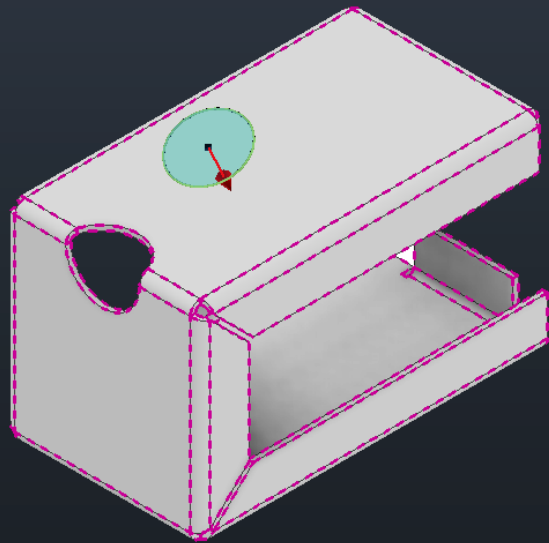
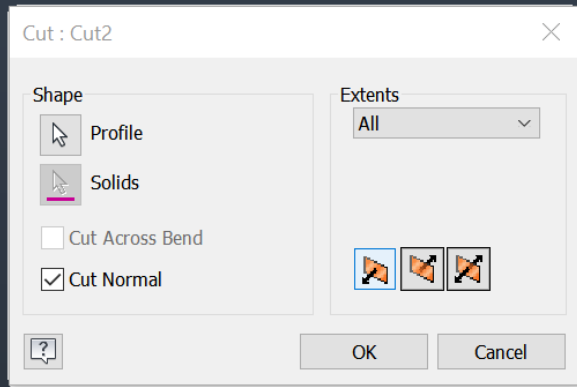
Plocha



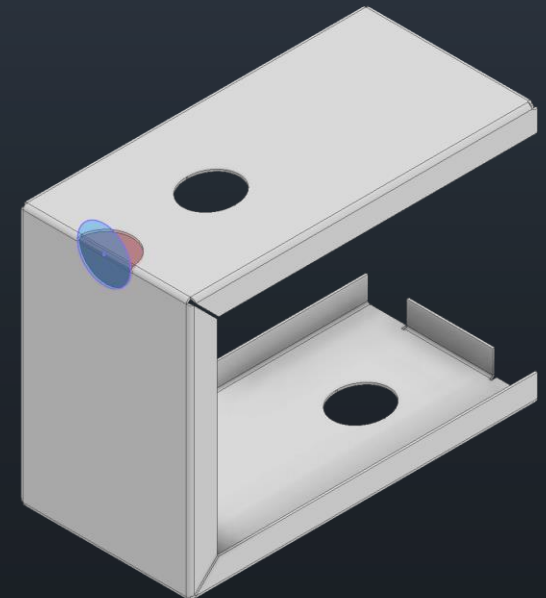
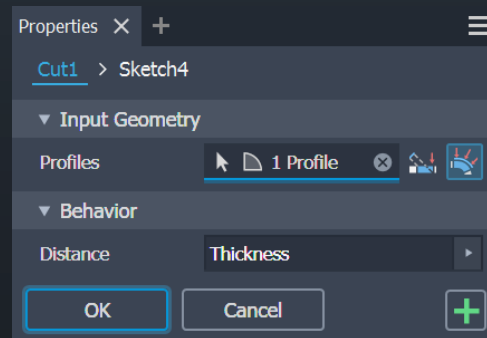
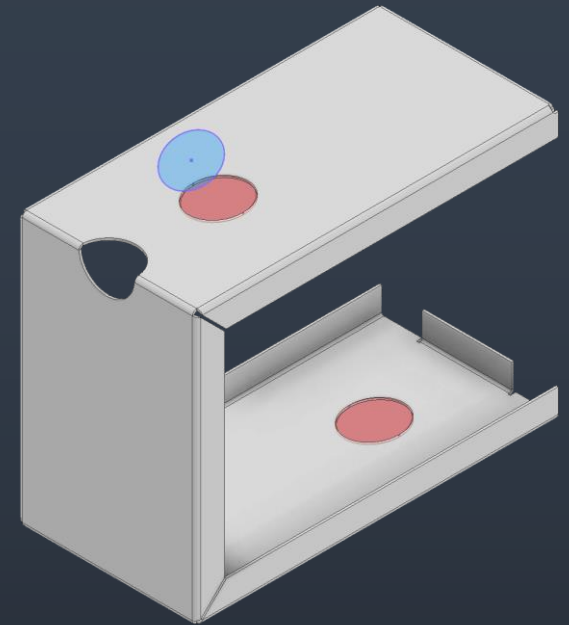
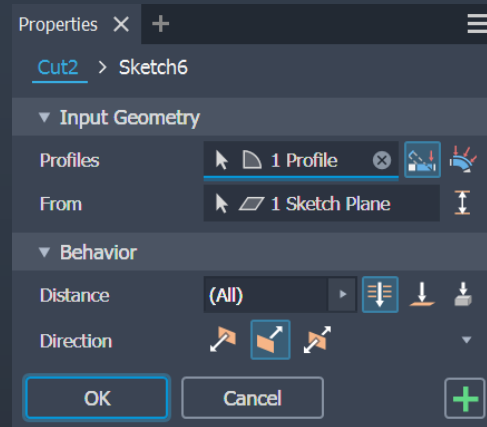
2025



Vyříznutí



2025

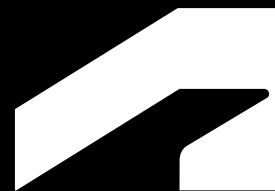


Těším se na spolupráci

- feedback.autodesk.com
 - Informace o připravovaných vylepšeních
 - Možnost ovlivnit nové funkce
 - Alpha testování
 - Nutné přihlášení (neveřejné informace)
- forums.autodesk.com
 - Veřejné fórum

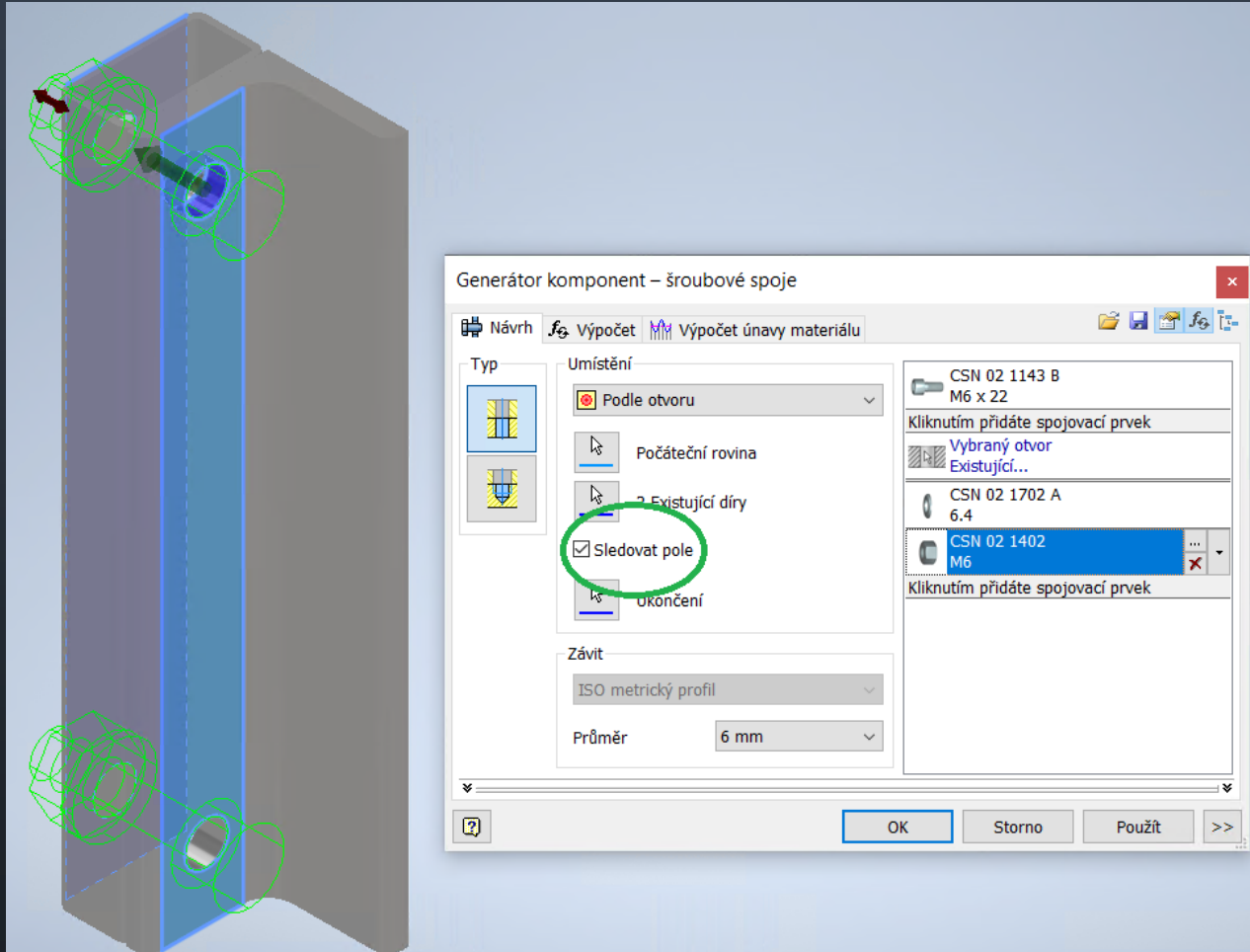


irena.kubicova@autodesk.com



Design Accelerators

Inventor 2025



Šroubový spoj umožňuje rozpoznávání děr v poli pro

- Obdélníkové pole
- Kruhové pole

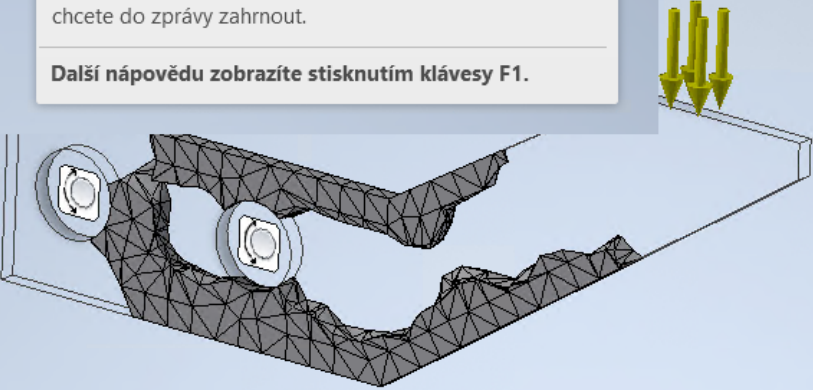
Inventor 2025



Vytvoření zprávy (R)
Vytvoří zprávu s výsledky.

Určete typ zprávy, formát a obecné informace. Vyberte podrobné informace o modelu a výsledky simulace, které chcete do zprávy zahrnout.

Další nápovědu zobrazíte stisknutím klávesy F1.



Generátor tvarů:1

Obecné cíle a nastavení:

Cíl návrhu	Jediný bod
Typ studie	Generátor tvarů
Datum poslední úpravy	9/30/2024, 1:28 AM
Stav modelu	[Primární]

Zpráva

☐ Hotovo
☒ Uživatelské

Obecné Vlastnosti Studie Formát

Generátor tvarů:1

- ☐ Pohled protilehlé kamery
- ☒ Materiál
- ☒ Zatížení
 - ☒ Grafický pohled
- ☒ Vazby
 - ☒ Grafický pohled
- ☒ Výsledky
 - ☒ Generátor tvarů

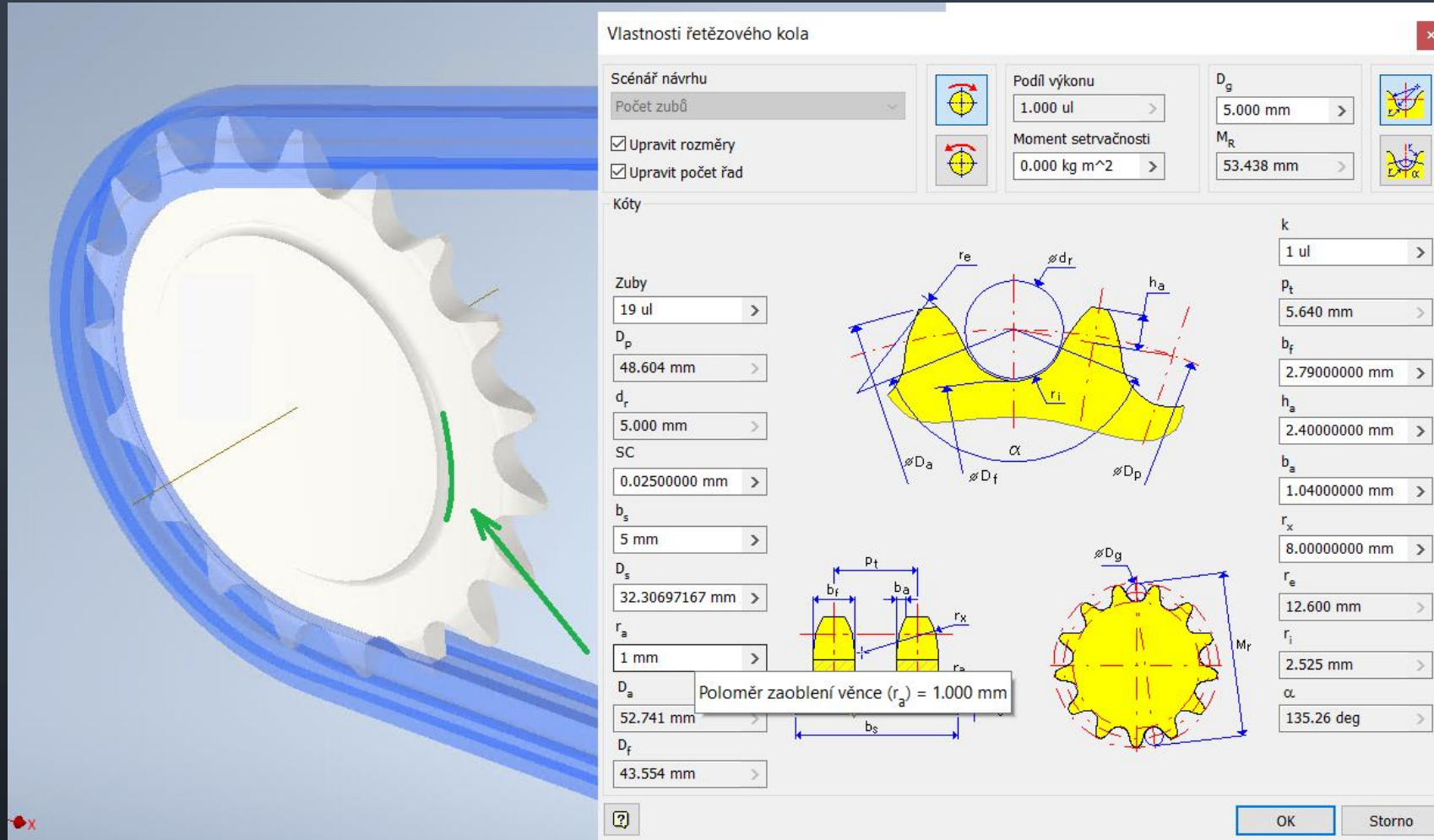
Vybrat vše Zrušit výběr Výchozí

OK Storno

Generátor tvarů

- Detailní formát
- Jako ostatní typy

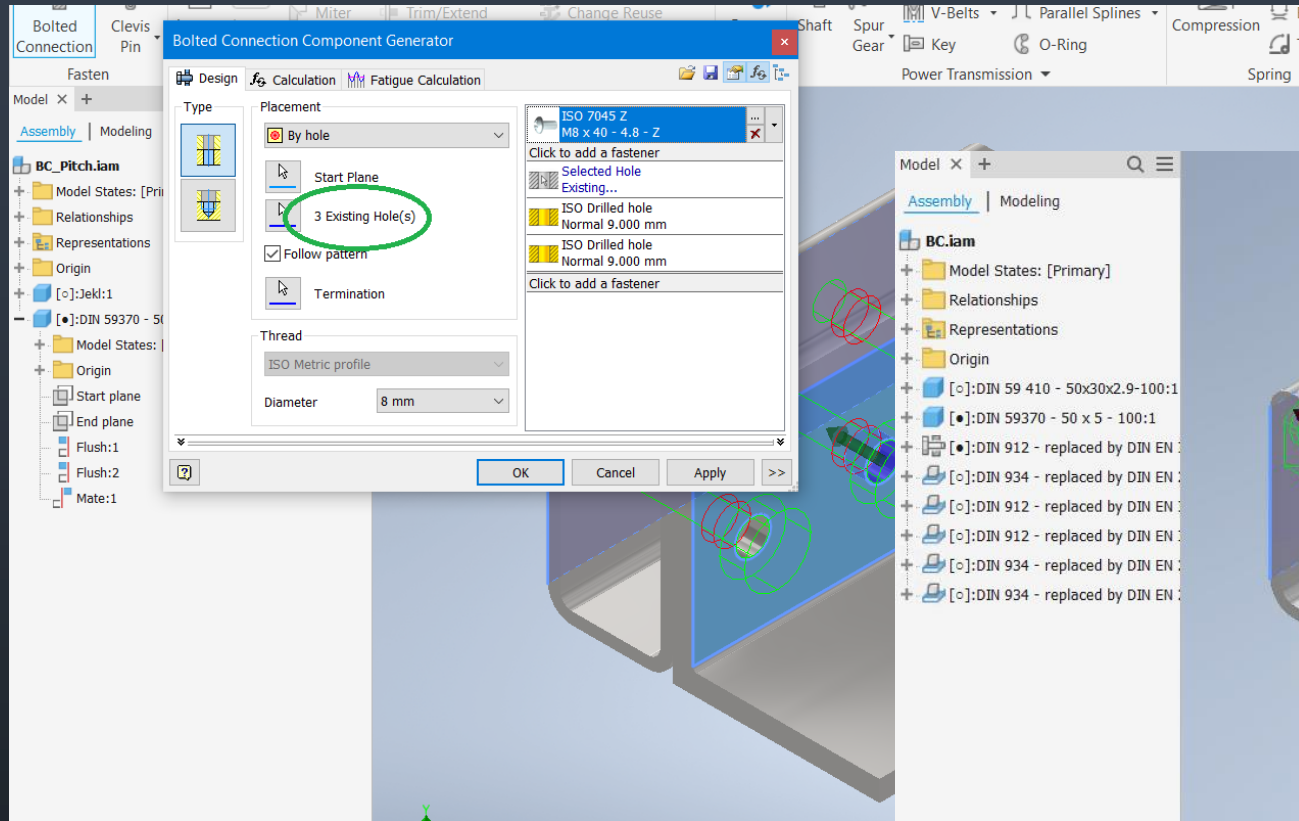
Inventor 2025



Řetězový převod

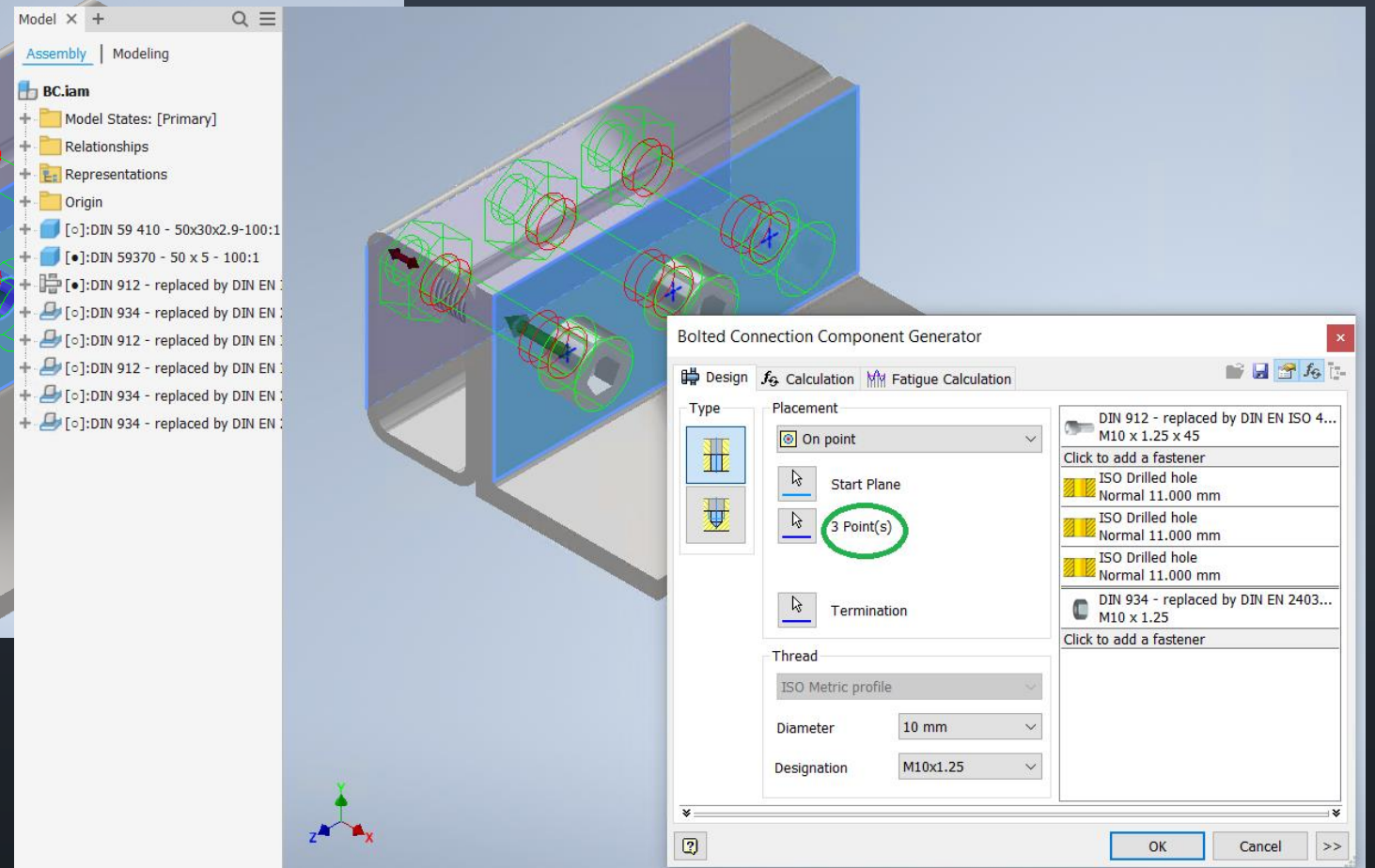
○ Zaoblení kola

Inventor 2025.1

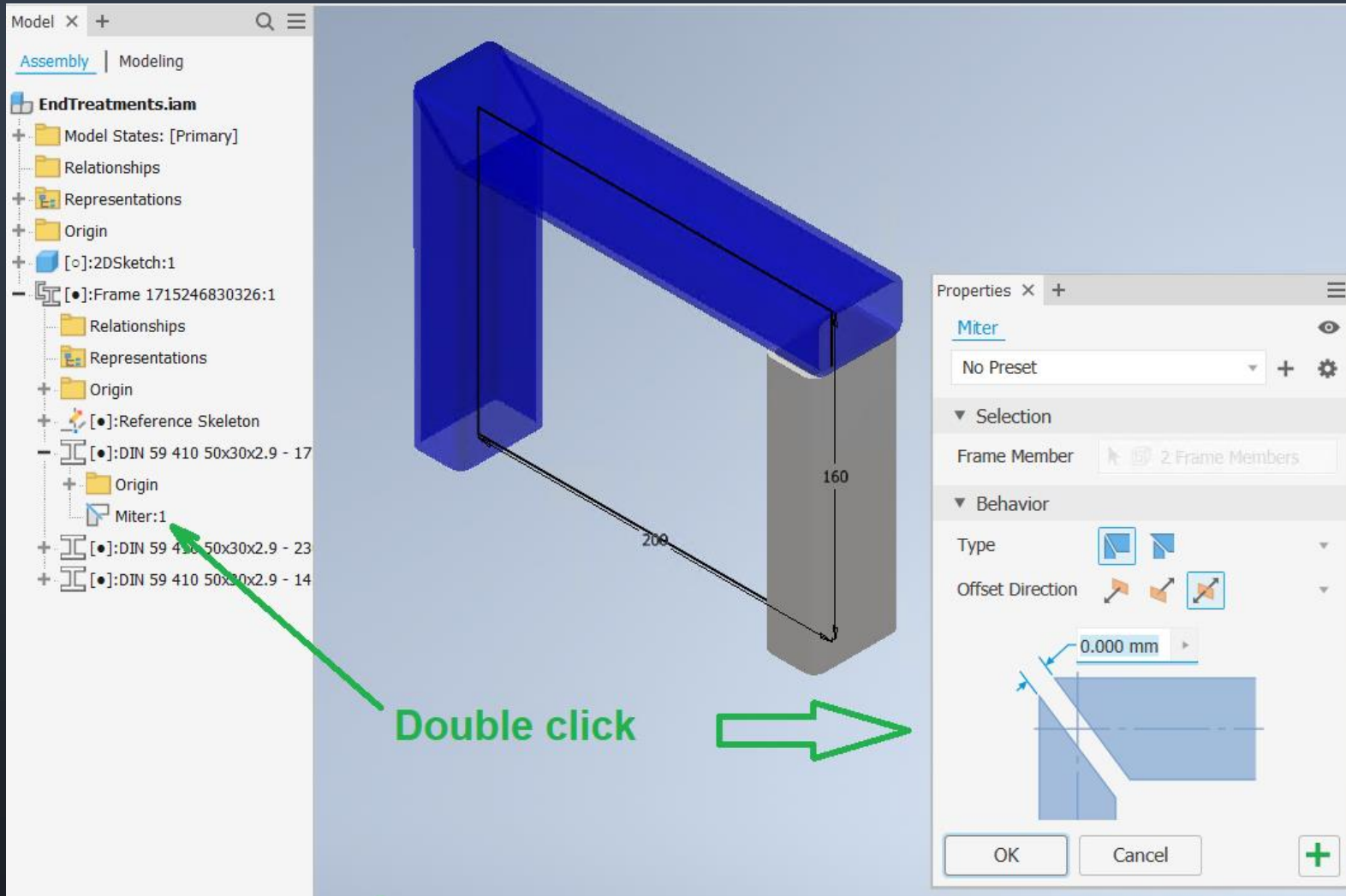


Počet děr

Počet bodů

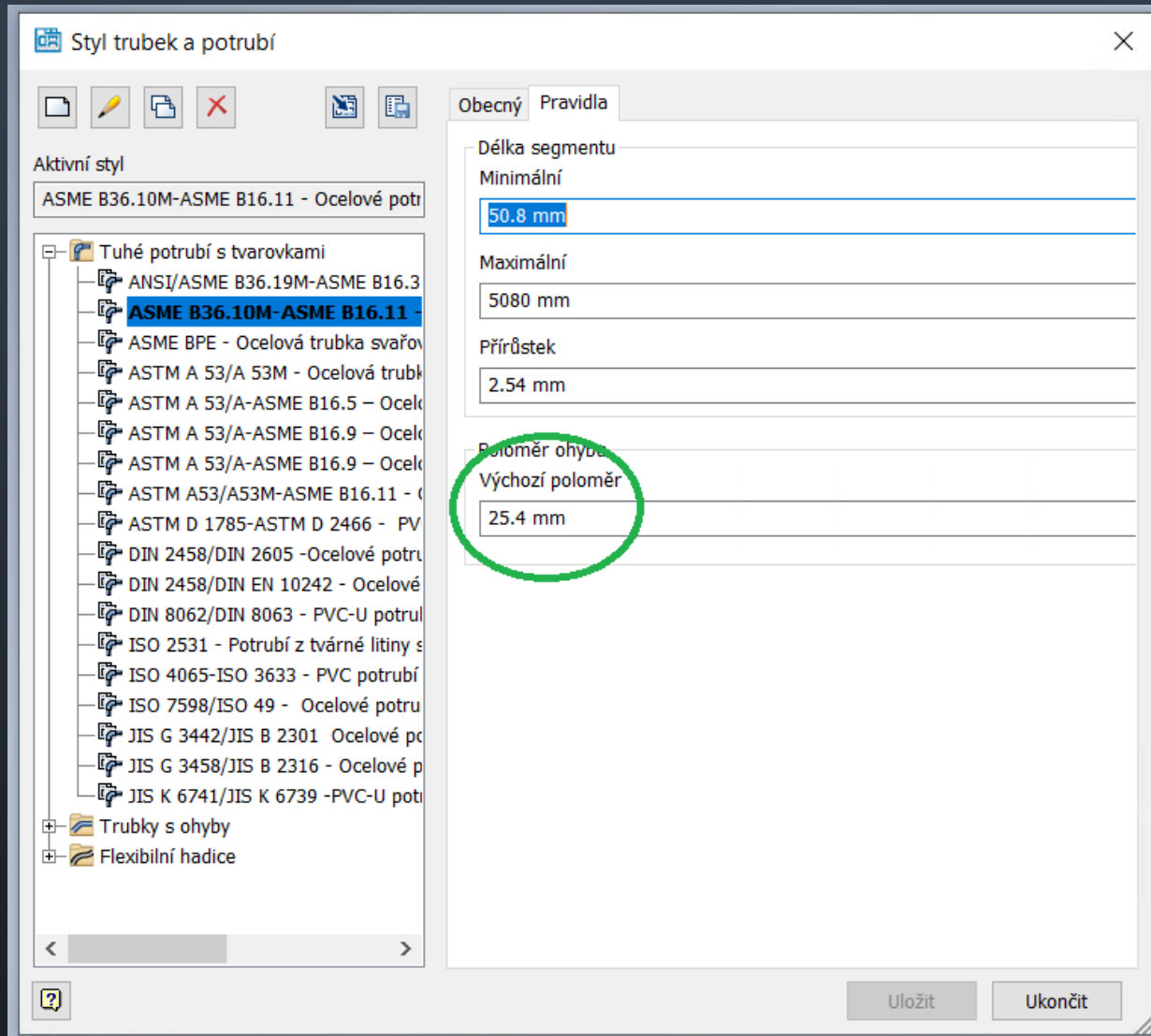


Inventor 2025.1



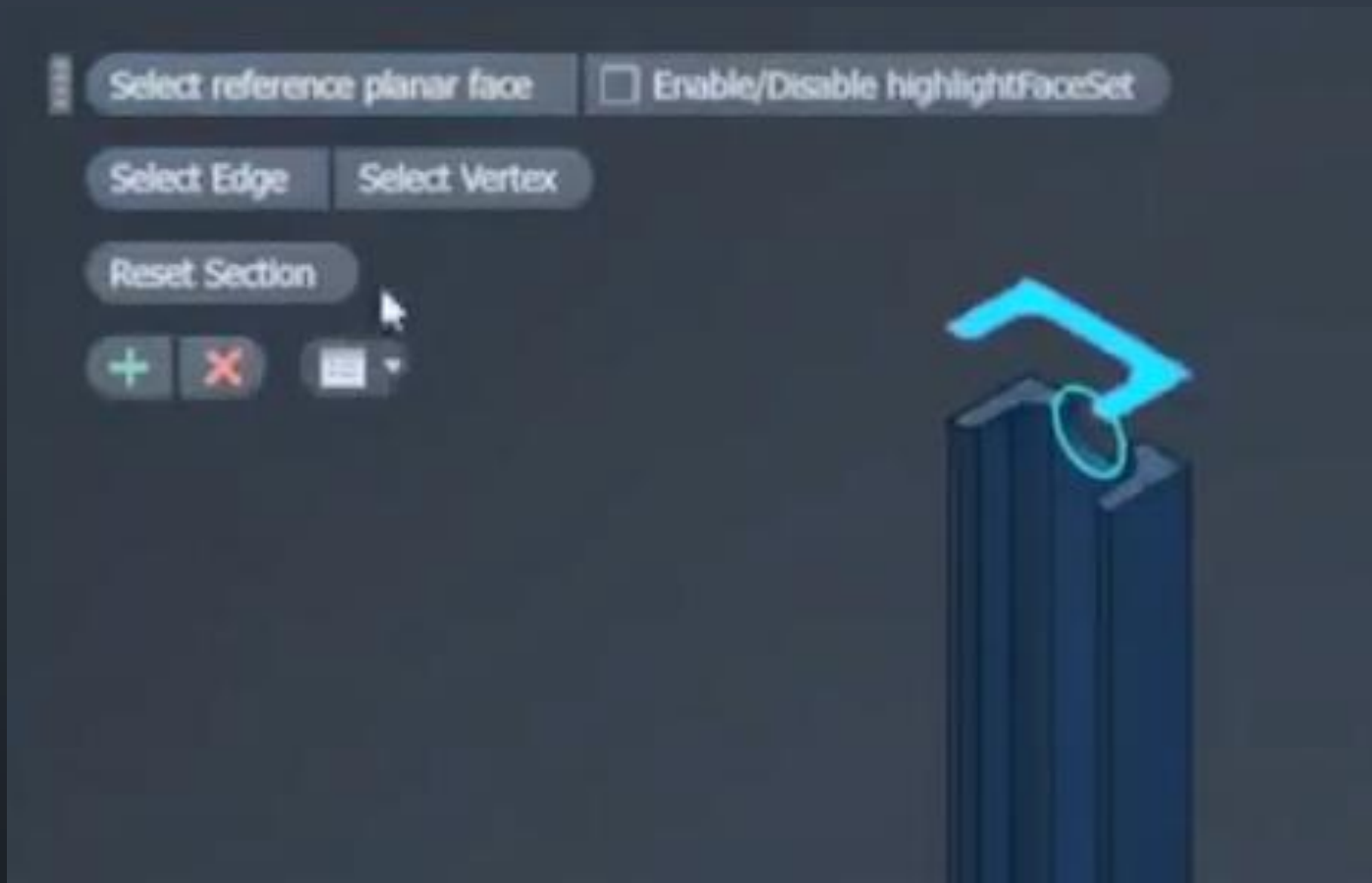
Spuštění editace
opravování ráků
dvojitým klinutím

Inventor 2025.2 Beta



Uložení hodnoty Výchozího poloměru ohybu do exportovaného stylu

Inventor iLogic nástroj



Poloviční řez definován

- Rovinou a vrcholem
- Rovinou a pracovním bodem
- Rovinou a středem kružnice / díry

