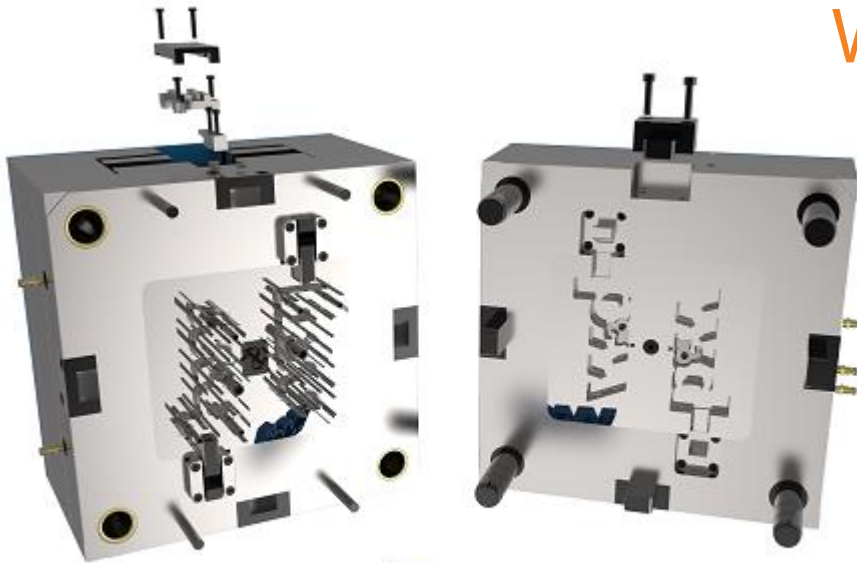


# EMX 12.0.2.1

What's New?



# Enhancements

---

## New Function in Bill of Materials:

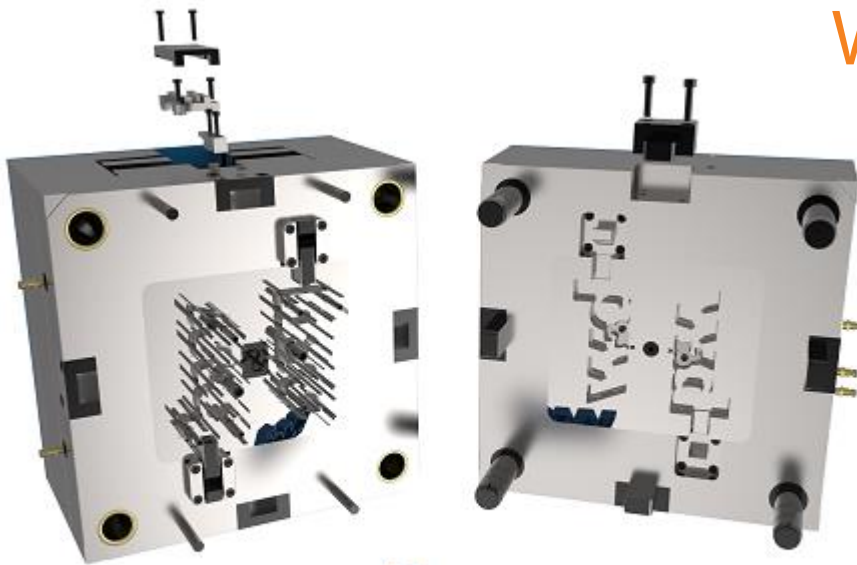
- All balloons on drawing can be deleted with one click

## STRACK components updated, new guide components

- Guides: Z4412, Z4415, Z4416

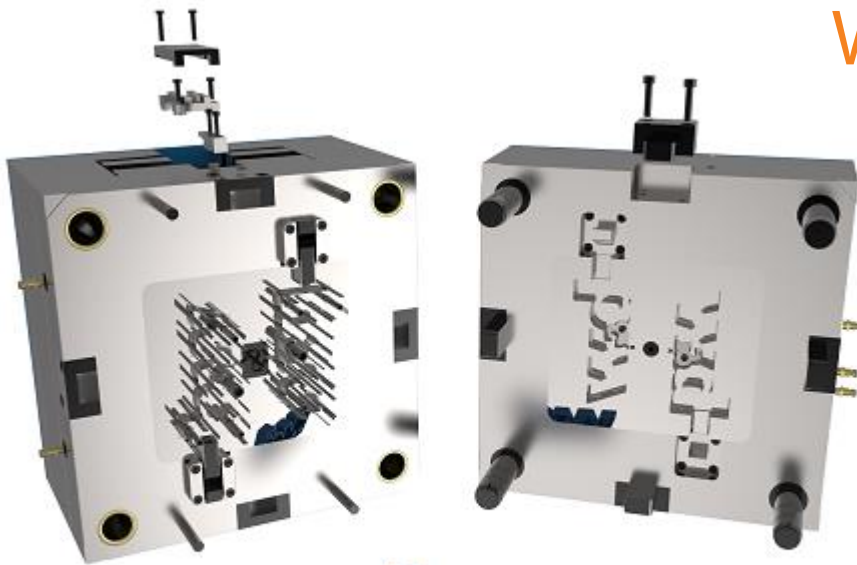
# EMX 12.0.2.0

What's New?



# EMX 12.0.1.0

What's New?



# Components

---

## New HASCO screws:

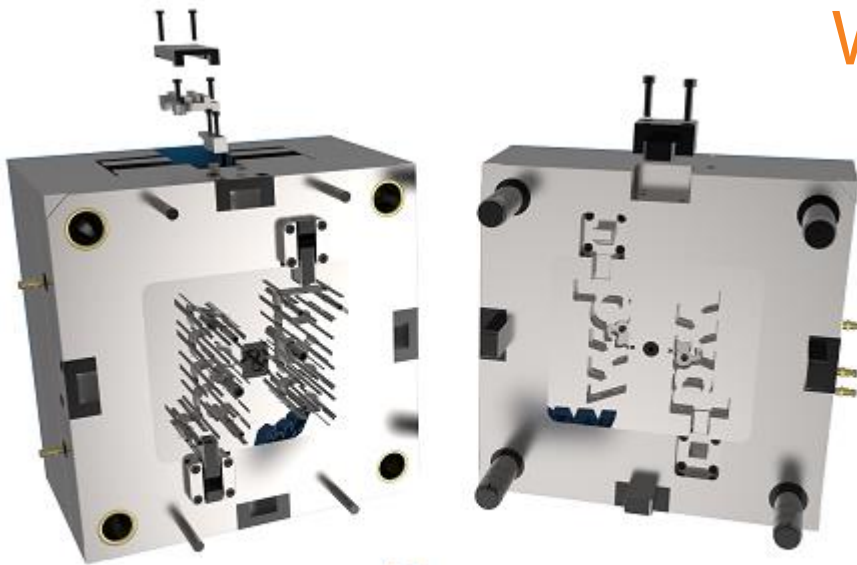
- Z34, Z351, Z371, Z372, Z3721, Z721

## New HASCO sprue bushings:

- Z510, Z530
- 
- Decorative curved lines in the bottom right corner, consisting of a thick grey arc and a thin orange arc.

# EMX 12.0.0.2

What's New?

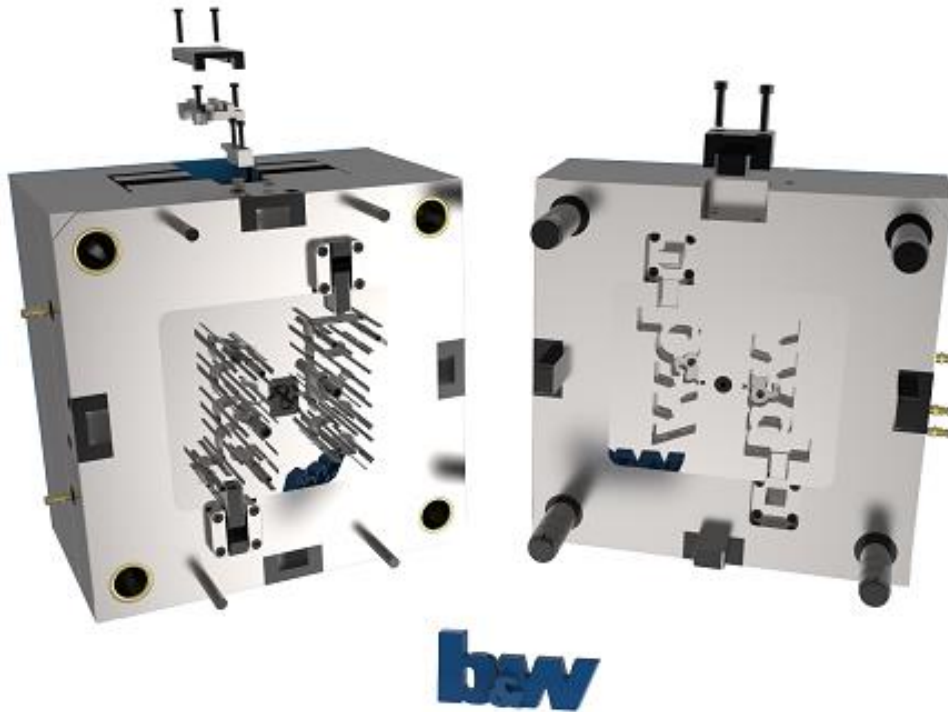


# Enhancements

---

New EMX 12 Tutorial is now available!

- We finally finished our new Tutorial
- You can download the PDF here: [Tutorial](#)

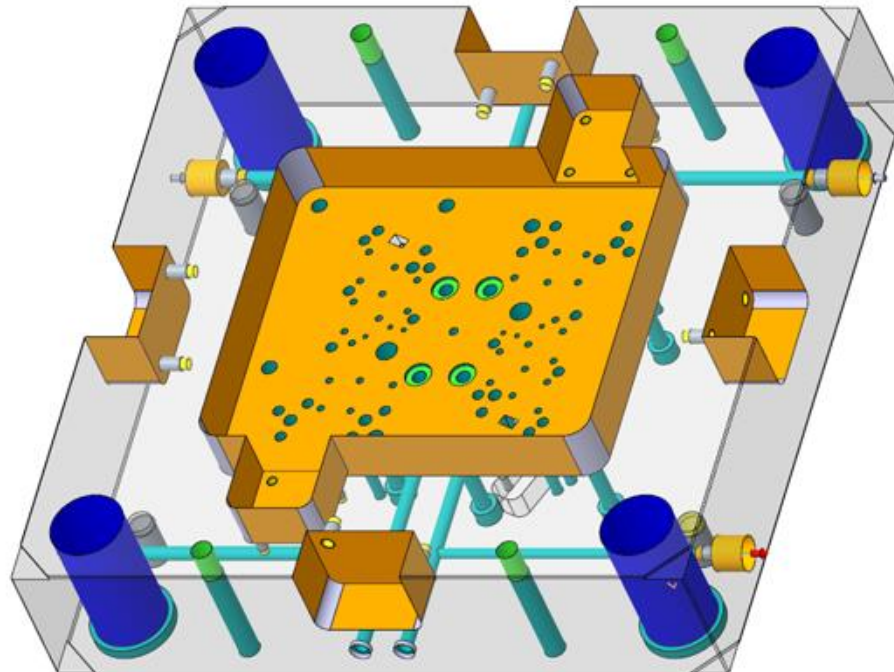


# Enhancements

## EMX is now SMARTColor ready!

- Apply color coding rules with B&W SMARTColor application
- More information on our website: [SMARTColor in EMX](#)

R 192 G 192 B 192			$\sqrt{Ra\ 0.8-6.3}$
R 0 G 175 B 175	$\pm 0,10$		$\sqrt{Ra\ 6.3}$
R 255 G 175 B 0	$\pm 0,10$		
R 255 G 255 B 0	$\pm 0,10$		
R 0 G 0 B 255	H7 $\pm 0,01$		$\sqrt{Ra\ 1.6-3.2}$
R 183 G 183 B 220	$\pm 0,10$		$\sqrt{Ra\ 6.3}$
R 64 G 255 B 64	$\pm 0,05$		$\sqrt{Ra\ 3.2}$
R 255 G 128 B 0	$\pm 0,01$		$\sqrt{Ra\ 1.6-3.2}$





# Enhancements

## New STRACK Z4 latch lock assembly

- New assembly contains all variation of the Z4 latch lock

**STRACK**<sup>®</sup>  
NORMALIEN

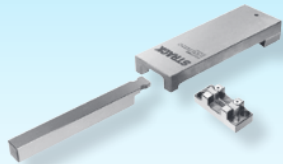
Entformungselemente – indirekt | Demoulding elements – indirect  
Éléments de démoulage – indirects

Klinkenzüge

Latch locks

Ouvres-moules

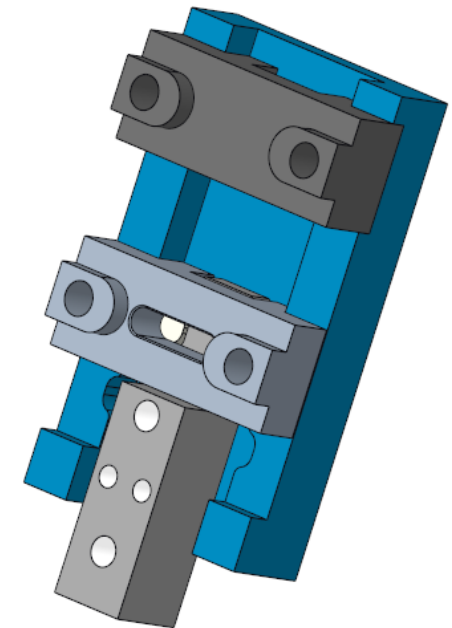
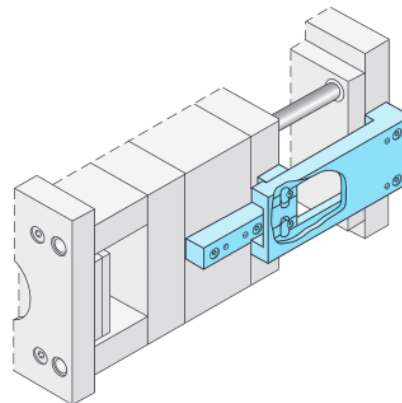
DLC 



Z4-1-

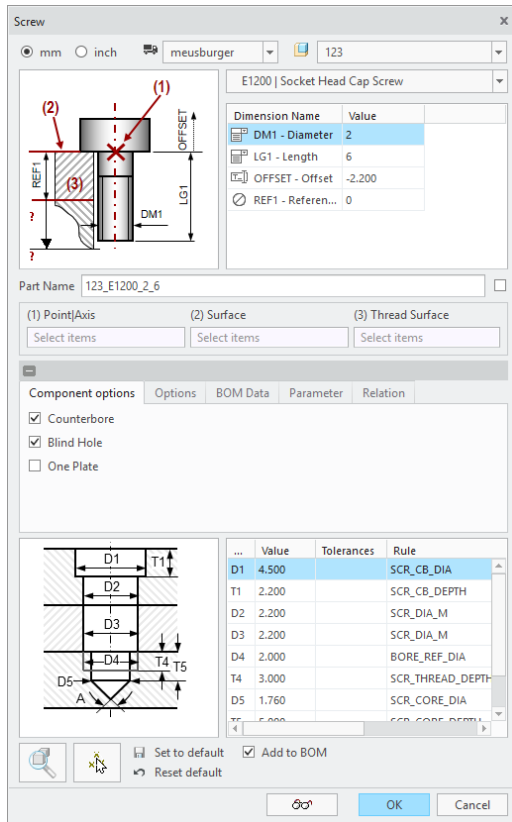
**i** deutsch 6.84-94  
english 6.95-105  
français 6.106-116

 Z4-1-Type

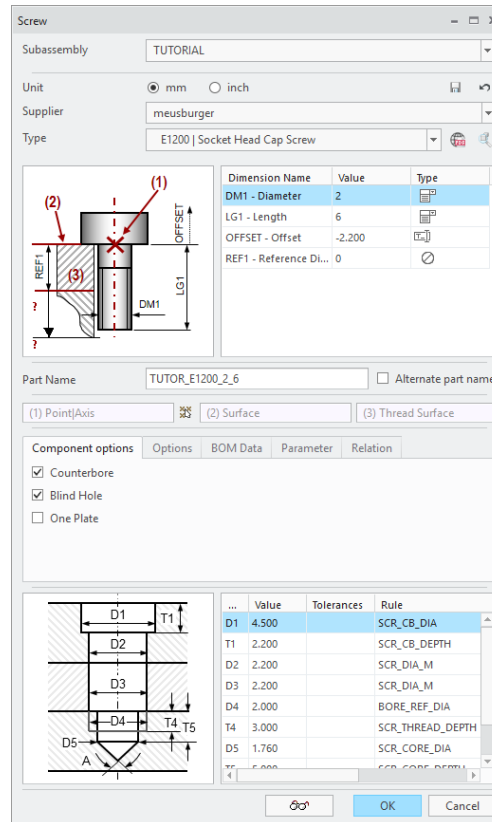


# Enhancements

## Streamlined UI of Component Dialog:



• Old



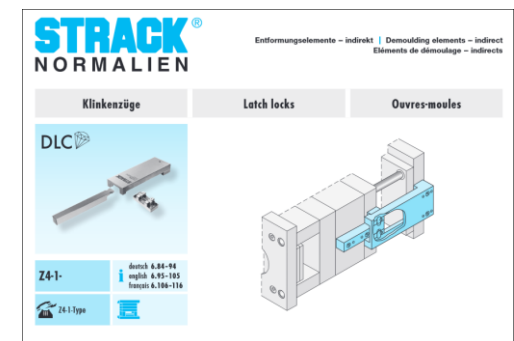
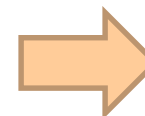
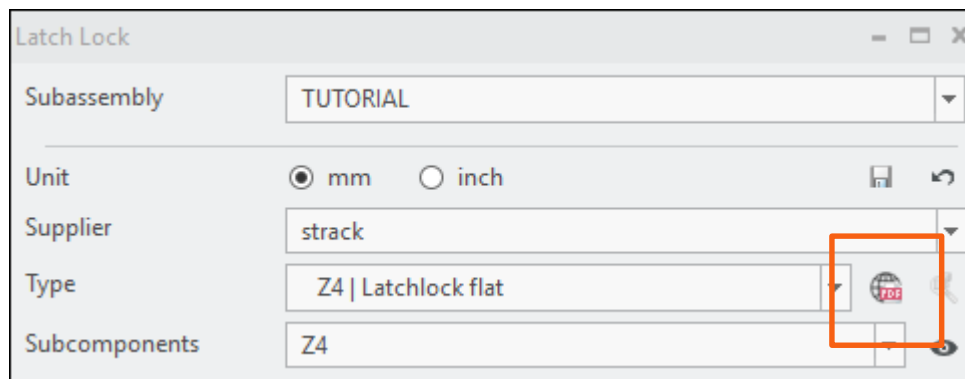
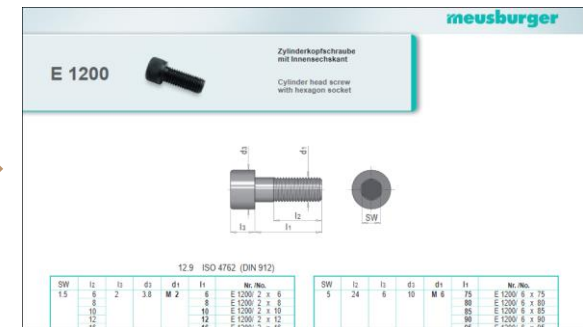
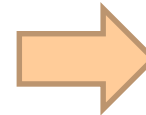
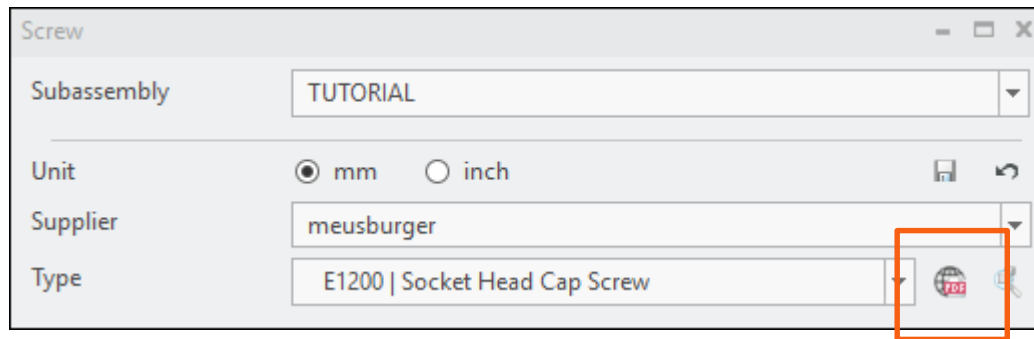
• New

- Type selection improved
- Buttons moved from bottom area to related UI elements
- Dialog is resizable and can be maximized
- Missing UI descriptions added

# Enhancements

## New weblink button in Component Dialog:

- Access data sheets on supplier website with one click!



# Plates

---

## HASCO plates updated:

- All plates and instance updated to latest revision

## New KNARR plates added:

- KNARR – F (Meusburger compatible) and K (Hasco compatible) plates are now available

# Components

## New KNARR guide components:

- 551000, 551000DLC, 551010, 551010DLC and 551100

## New KNARR ejector pins:

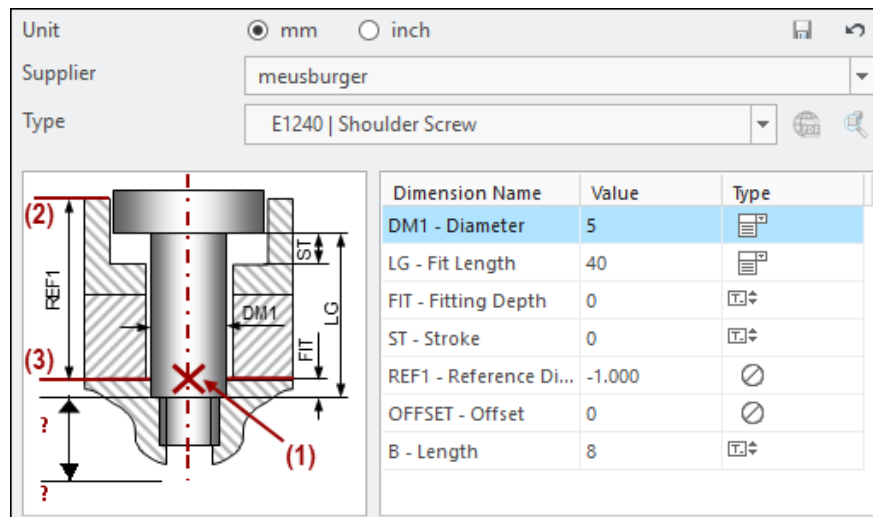
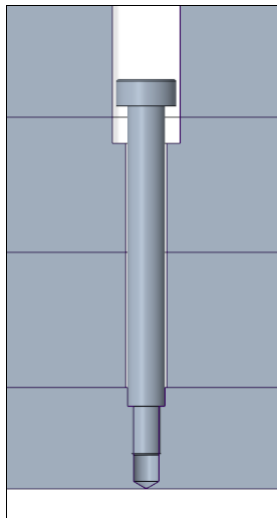
- 539111, 39111DLC and 39414

## New KNARR insulation plates:

- 77335 and 77336

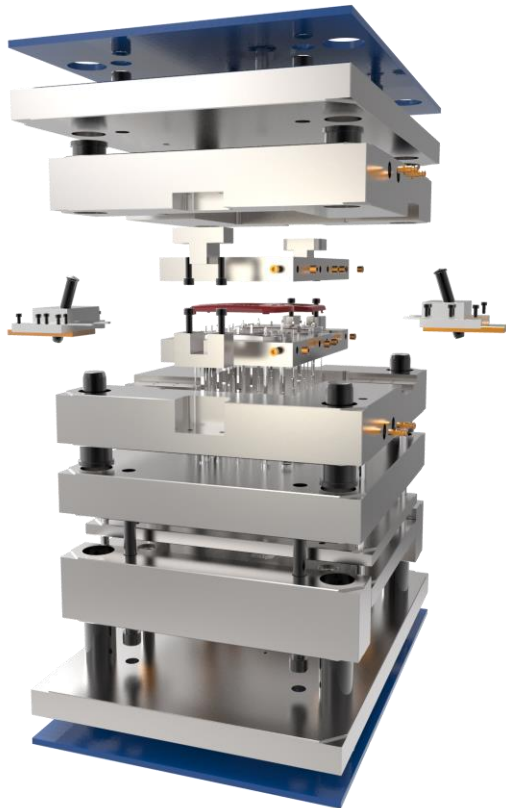
## Improved shoulder screw functionality:

- Meusburger E1240, Hasco Z38, Knarr 40038, DME WZ412 and DIN 7379



# EMX 12.0.0.1

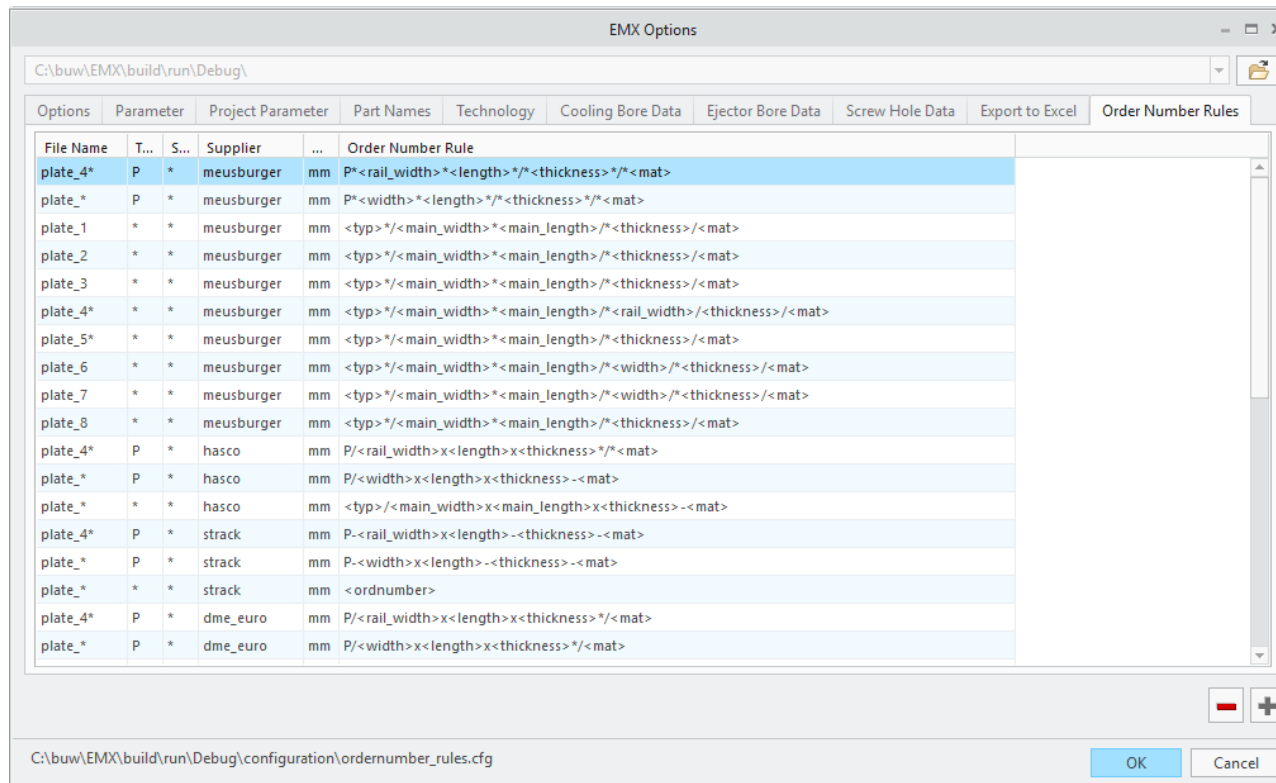
What's New?



# Enhancements

## New configuration section: Define custom order number rules

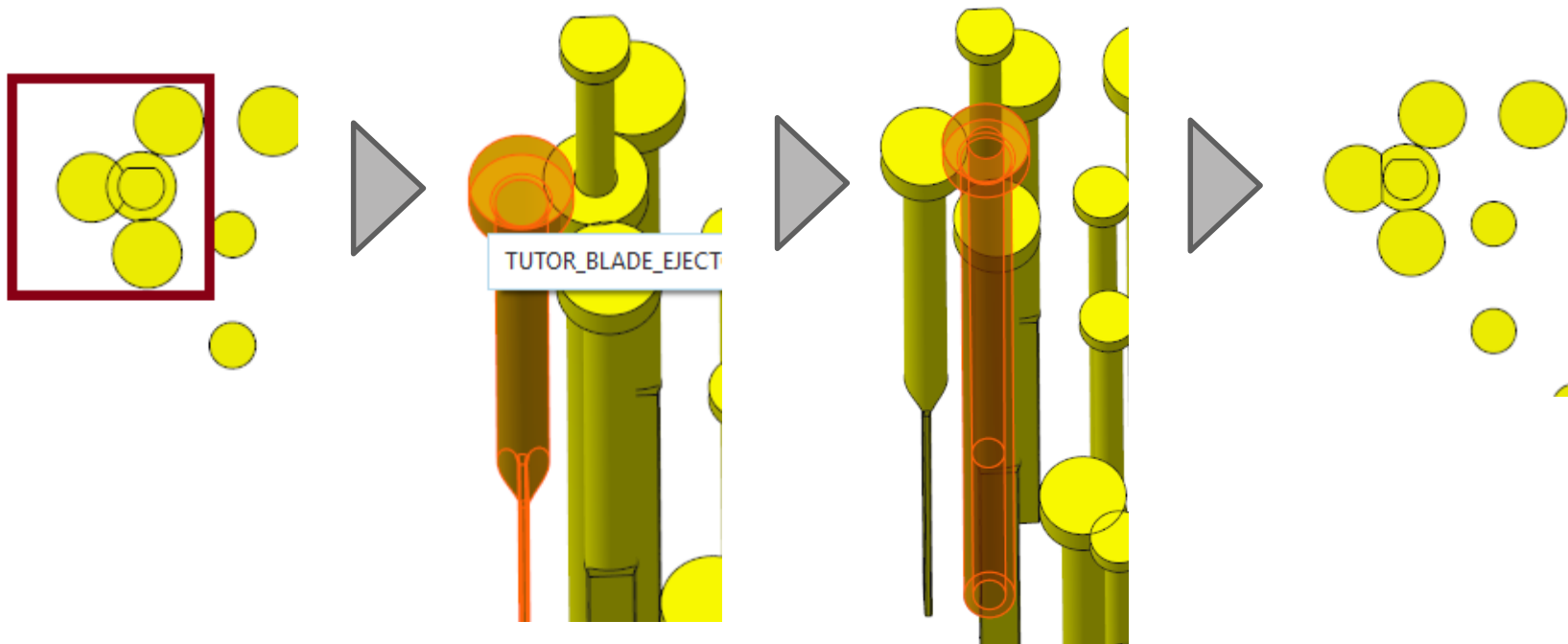
- Rules can now be different for different suppliers, type, units and file names



# Enhancements

## New Feature: Trim Ejector Pin heads against each other

- Interfering ejector pin heads can be trimmed by selecting to different ejector pins

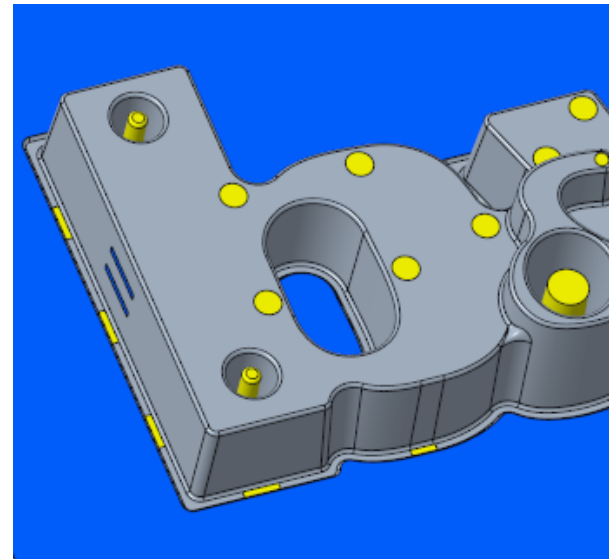
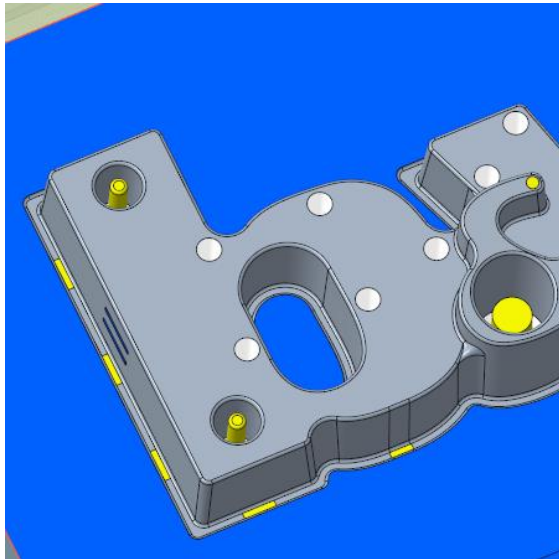




# Enhancements

## New Feature: Update Existing Ejector Pins Dialog

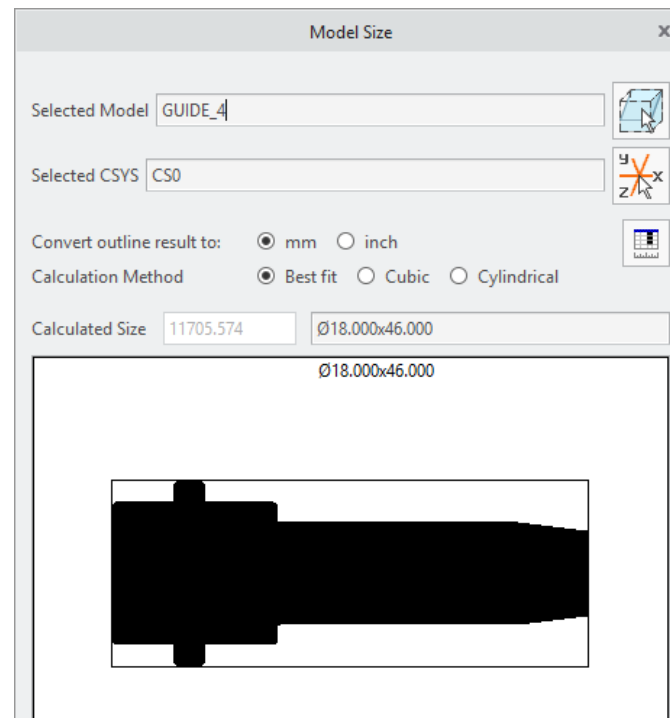
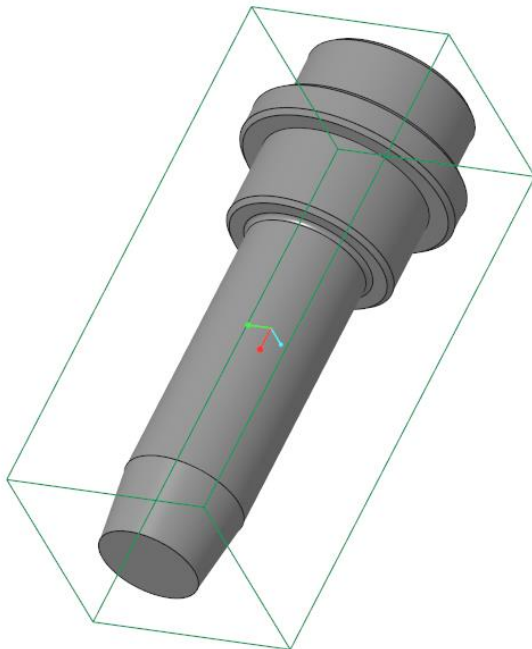
- New command in Ribbon
- Update ejector pins length and order number in case required reference distance has changed.



# Enhancements

## Improvement for Model Size Dialog

- Display outline values in drawing area
- Allow user to toggle between cubical and cylindrical result in case cylindrical result was determined.
- Improve algorithm to detect cylindrical parts



# Enhancements

---

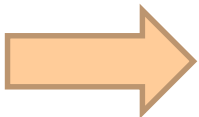
## Improved performance of parameter read and write function

Reduce time working with EMX!

- Assembling of Components

 i.e. 240 Ejector Pins: ~45 % faster

- Bill of Materials

 i.e. Open Bill Of Materials Dialog: ~ 40 % faster  
i.e. Close Bill Of Materials Dialog: ~ 55 % faster

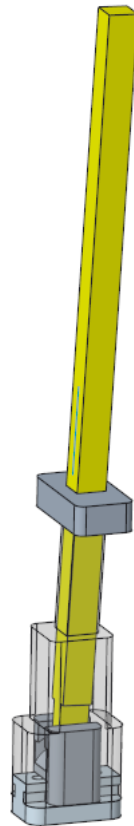
# Enhancements

## New MEUSBURGER Lifter assemblies added

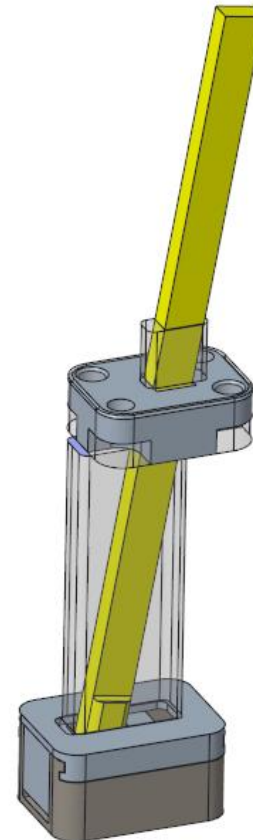
- Additional improvement: Trimmed body can be displayed in Preview



- E3244 + E3240



- E3246 + E3240

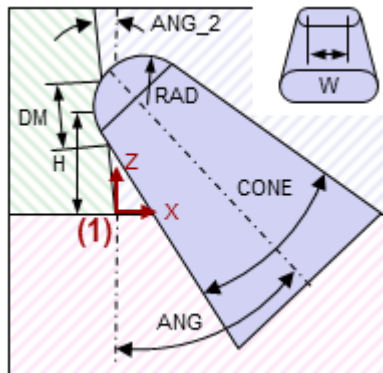


- E32481 +  
E3248 +  
E3249

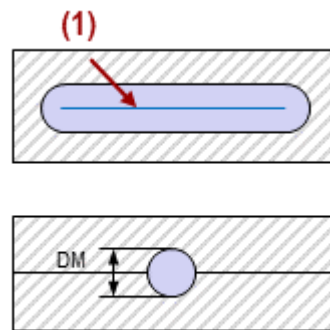
# Enhancements

## New Runner Library Components

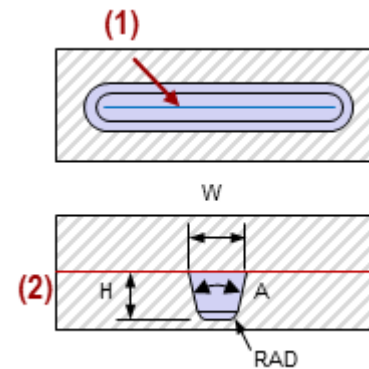
- With the new library components and UDFs runners can be designed easily.



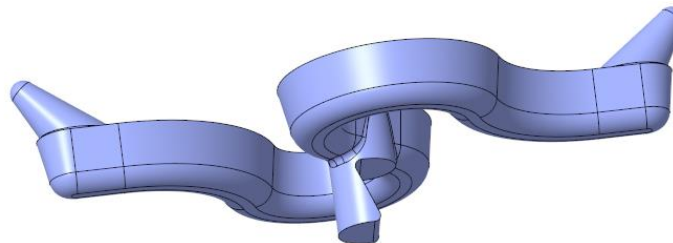
- Conic Gate



- Round runner section UDF



- Trapezoid runner section UDF




# New Components

---

## MEUSBURGER

- New Cooling Components: O-Ring E21311
- New Ejector Pins: E17003 and E1723
- New Side Interlocks: W44, Z38,Z46

## HASCO

- New slide plates Z555, Z556 and Z557
  - New and updated Ejector Pins Z412, Z4650, Z4651, Z4670, Z4671, Z413, Z443, Z457, Z461, Z465, Z44, Z441, Z45 and Z45
  - New Guides Z14 and Z1105
  - New Cooling Components Z9430 and Z9400
- 
- A decorative graphic element consisting of a thick grey curved line and a thin orange curved line at the bottom right of the slide.

# Updated Components

---

## MEUSBURGER

- Update E-Components to latest state: 1st quarter 2019

## HASCO

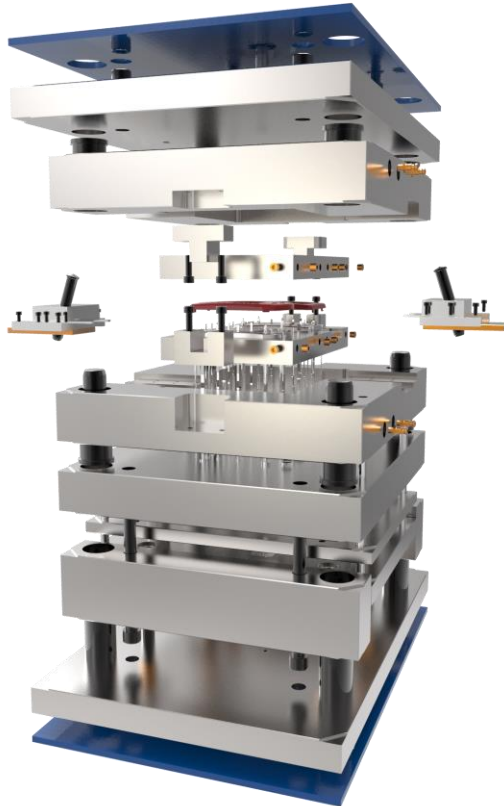
- Remove deprecated Z30 screw
- Screws: Z30 and Z33
- Knockouts: Z02
- Locating Rings: K100, K107, K500, K501, K505, K506, K1000, Z7510, Z7515, Z7520, Z7525, Z7530, Z7535 and Z7540.
- Dowel Pins: Z25 and Z26
- Guides: Z01, Z010, ZU10, Z20, Z040 and Z0100
- Cooling Components: Z94, Z940 and Z9661

## DIN

- More screw lengths are available for DIN screws
- 
- A decorative curved line in the bottom right corner, consisting of a grey outer curve and an orange inner curve.

# EMX 12.0.0.0

What's New?

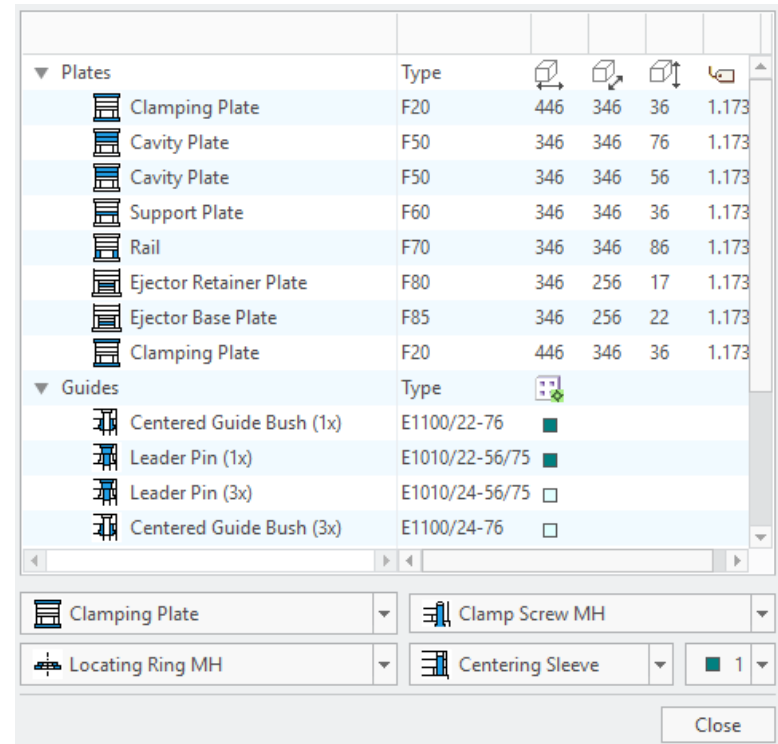
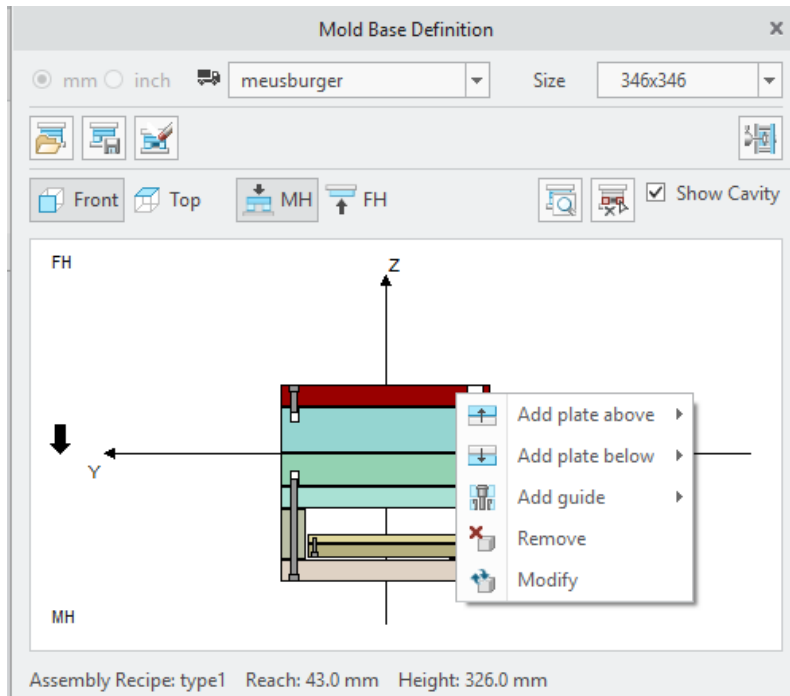




# Enhancements

## New Summary Tree in Moldbase Definition Dialog Box

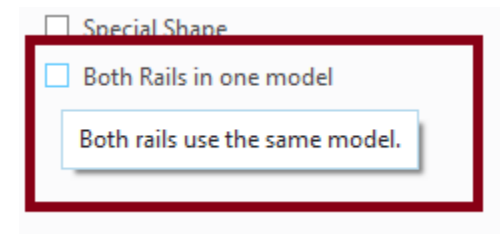
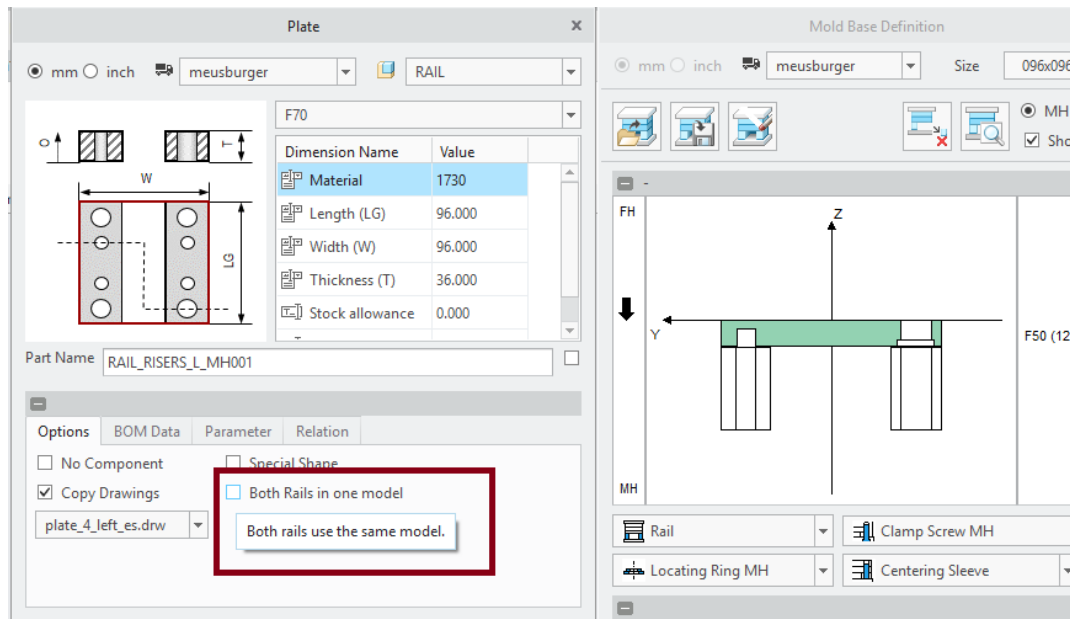
- Use the Summary Tree to review and modify all assembled plates, components, and patterns.



# Enhancements

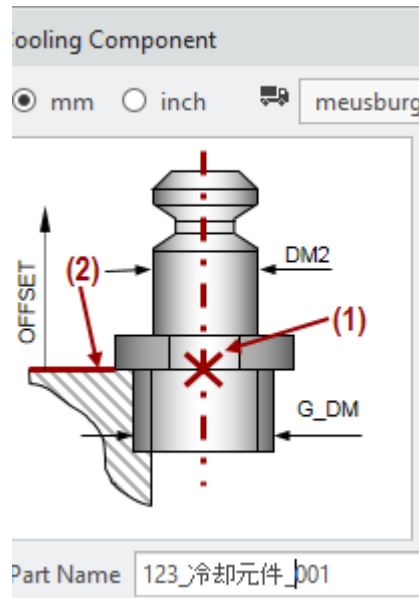
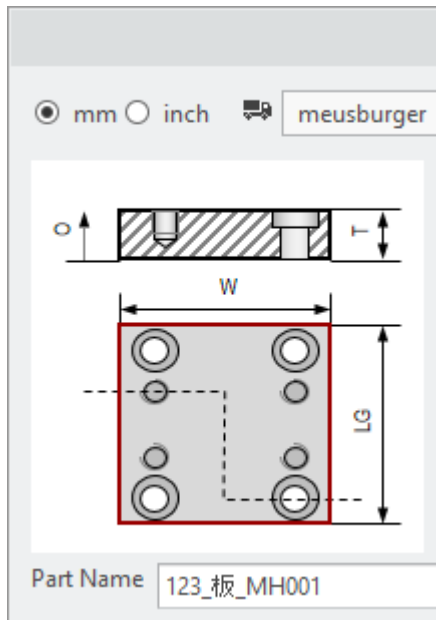
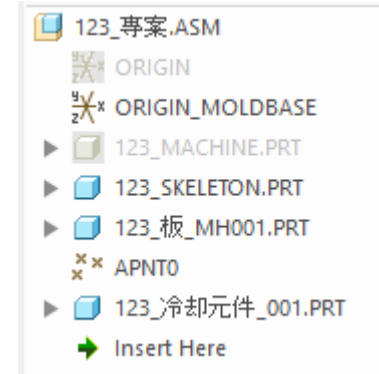
## “Use One Model Rail” can be modified from Rail Plate Dialog

- The EMX Option USE\_ONE\_MODEL\_RAIL only sets the default for check button
- Different types of rail models can be assembled to one mold base



# Enhancements

Unicode characters are supported for file names, parameter names and parameter values.



# Enhancements

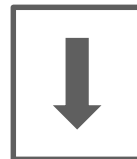
In BOM Dialog use UP and DOWN arrow keys to jump to next cell at top or bottom.

- Reduces clicks when working in the BOM
- Current cell value is confirmed and next cell is activated

PARTID	BOM_NAME	S
01-0001	Aufspannplatte Auswerferseite	M
01-0001	Auswerferplatte Auswerferseite	M
01-0001	Auswerferplatte Auswerferseite	M
01-0001	Leiste Auswerferseite	M
01-0001	Leiste Auswerferseite	M
01-0001	Zwischenplatte Auswerferseite	M
01-0001	Rahmenplatte Auswerferseite	M
01-0001	Rahmenplatte Duesenseite	M
01-0001	Leiste Duesenseite	M
01-0001	Leiste Duesenseite	M
01-0002	Aufspannplatte Duesenseite	M
01-0001	Auswerferplatte Duesenseite	M
01-0001	Auswerferplatte Duesenseite	M



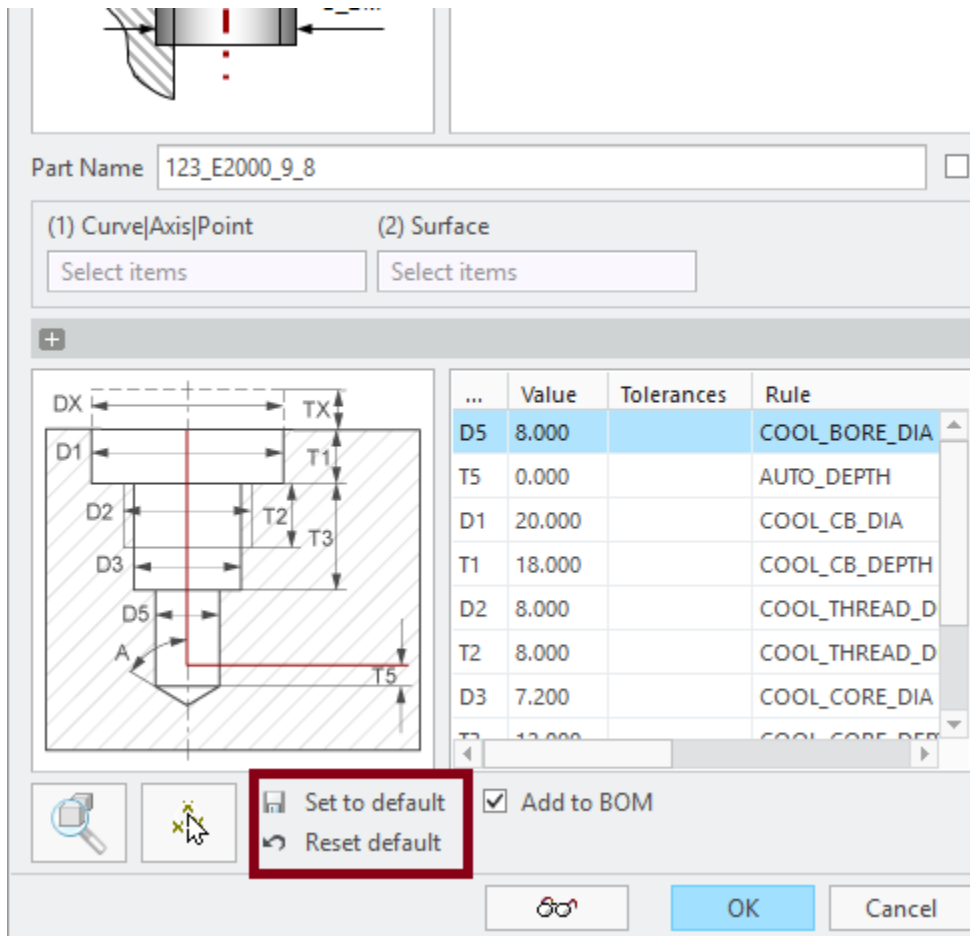
01-0001	Auswerferplatte Auswerferseite	I
01-0001	Leiste Auswerferseite	I
01-0001	Leiste Auswerferseite	I
01-0001	Zwischenplatte Auswerferseite	I
01-0001	Rahmenplatte Auswerferseite	I



01-0001	Auswerferplatte Auswerferseite	I
01-0001	Leiste Auswerferseite	I
01-0001	Leiste Auswerferseite	I
01-0001	Zwischenplatte Auswerferseite	I
01-0001	Rahmenplatte Auswerferseite	I

# Enhancements

New button in Component Dialog to reset saved component instances to default.



Part Name: 123\_E2000\_9\_8

(1) Curve|Axis|Point (2) Surface

Select items Select items

...	Value	Tolerances	Rule
D5	8.000		COOL_BORE_DIA
T5	0.000		AUTO_DEPTH
D1	20.000		COOL_CB_DIA
T1	18.000		COOL_CB_DEPTH
D2	8.000		COOL_THREAD_D
T2	8.000		COOL_THREAD_D
D3	7.200		COOL_CORE_DIA
T3	12.000		COOL_CORE_DEPTH

Set to default  
 Reset default

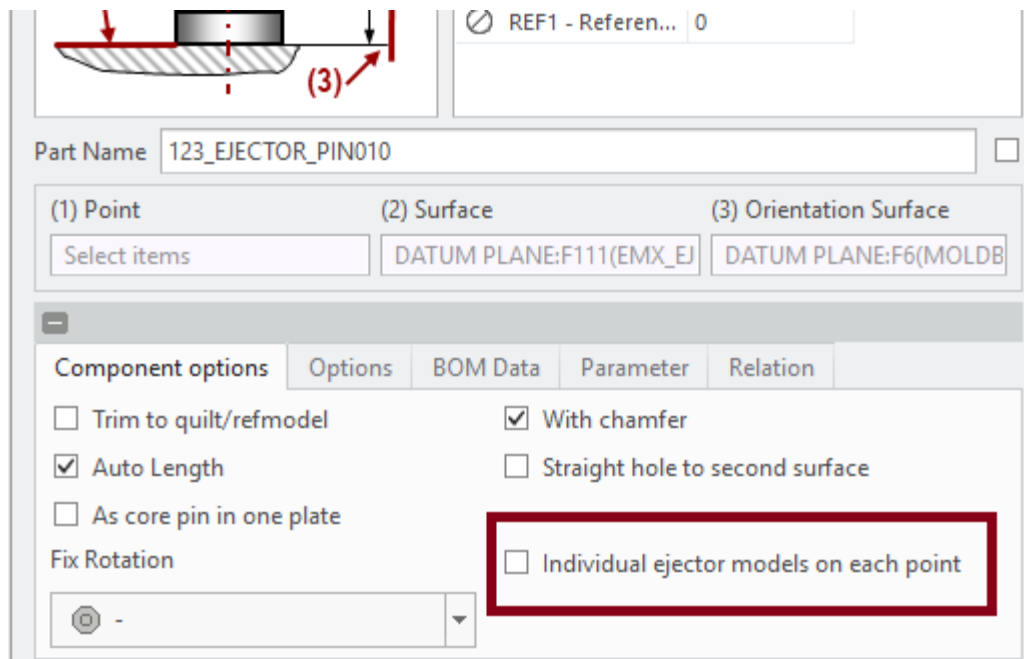
Add to BOM

OK Cancel

# Enhancements

Ejector pins defined on multi point features can be forced to be created as individual models.

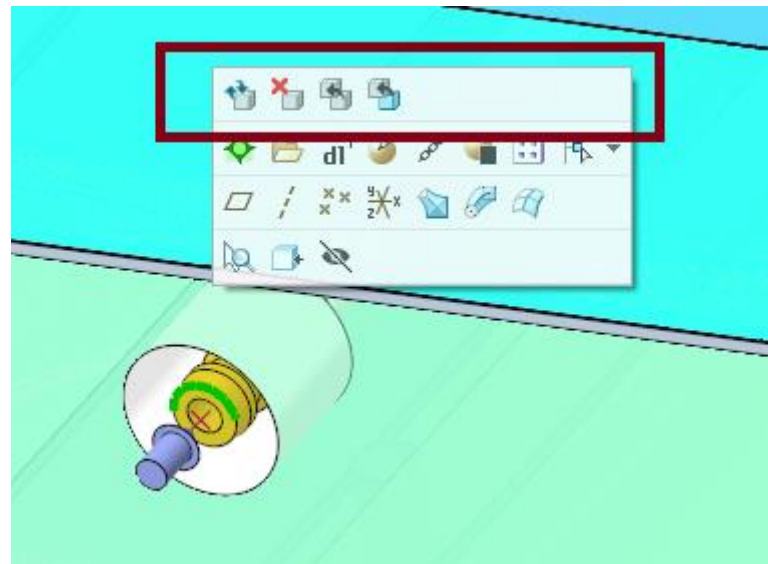
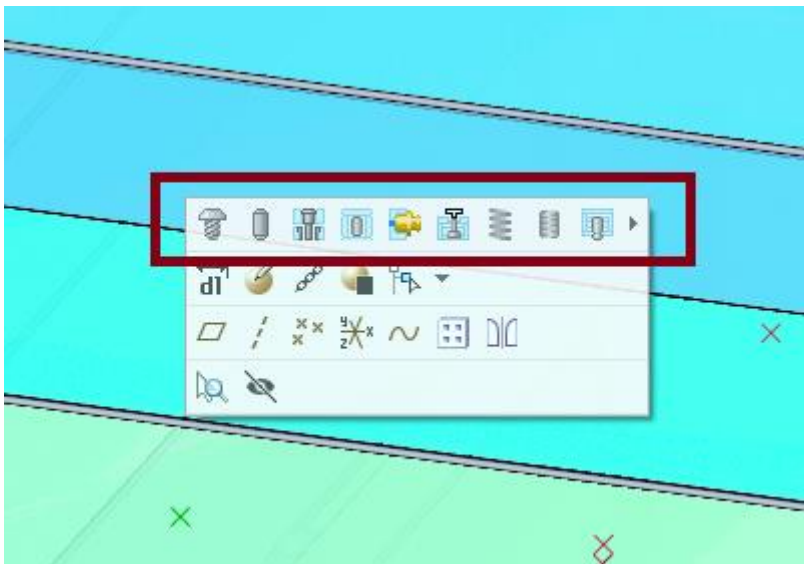
- Previously option ENABLE\_MULTI\_EJP behavior in EMX Options
- The EMX Option ENABLE\_MULTI\_EJP only the sets default for check button



# Enhancements

## Enable Mini Tool Bar with EMX 10 and Creo 4.0

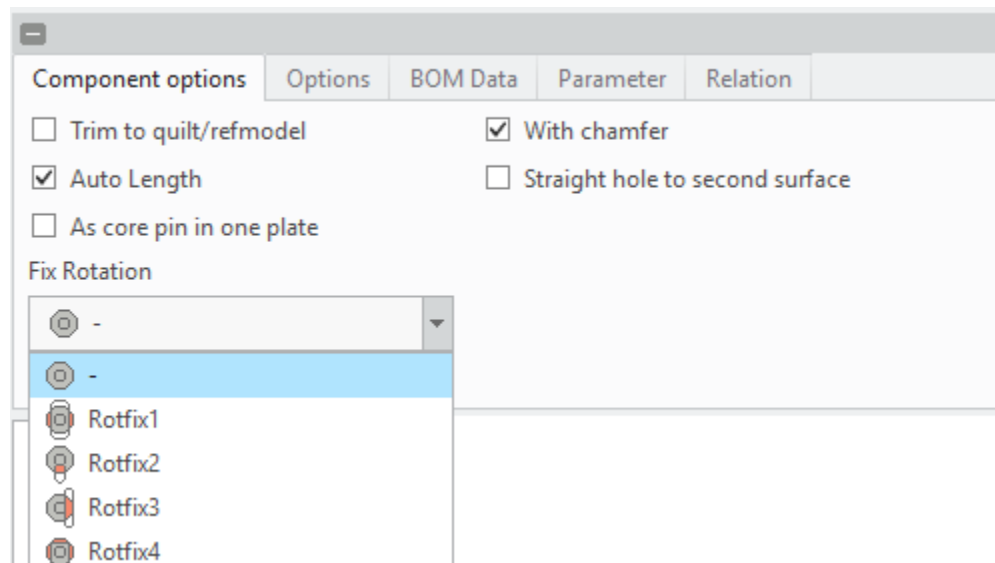
- Select Datum Points and Axis
- Create Components by Mini Tool bar commands
- Selection of selected datums is immediately stored in Component Dialog



# Enhancements

## Improve Ejector UDFs and Options

- New Rotation Fixture Type
- New Chamfer Option
- Visualization of Trim Option
- Separate Rotation Fixture Angle for all UDF Types
- Improved Preview Sketch UDFs
- Separate Tabs for Component Options and Assembly Options

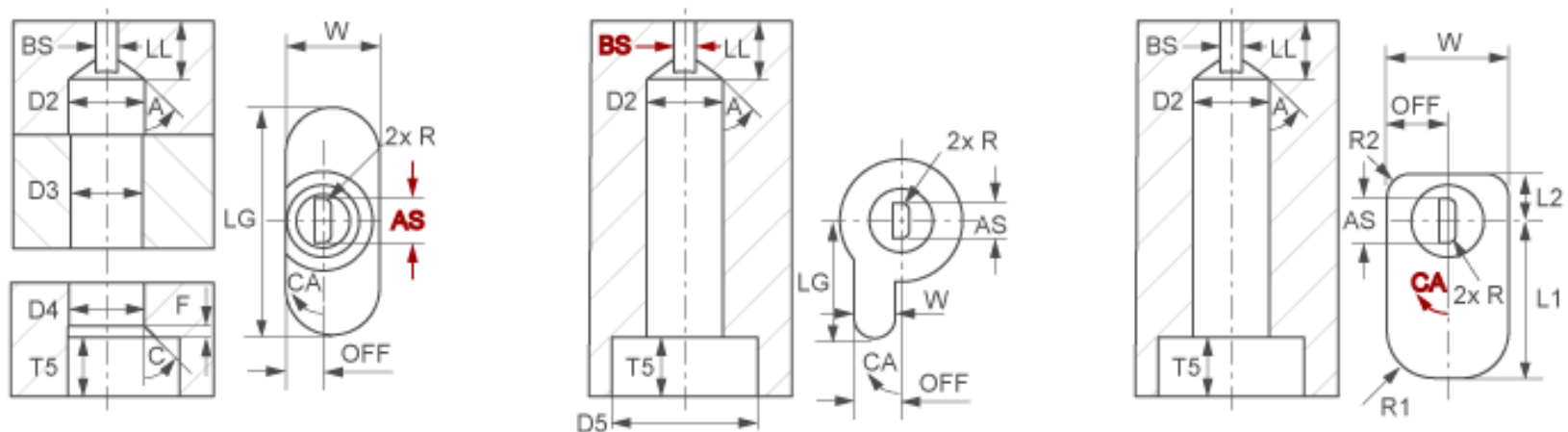




# Enhancements

## New UDF Images for Cooling Components, Guides, Ejector Pins and Dowel Pins

- Verification of all visualized UDF dimensions
- New Design



# Enhancements

## New Feature Visibility Status Type “Visible Locked” in Plate Dialog

- Feature can be resumed and locked.
- It will not be suppressed when changing the size of the plate

