EMX 11.0.3.0

What's New?

Components

New HASCO screws:

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

New HASCO sprue bushings:

- Z510, Z530

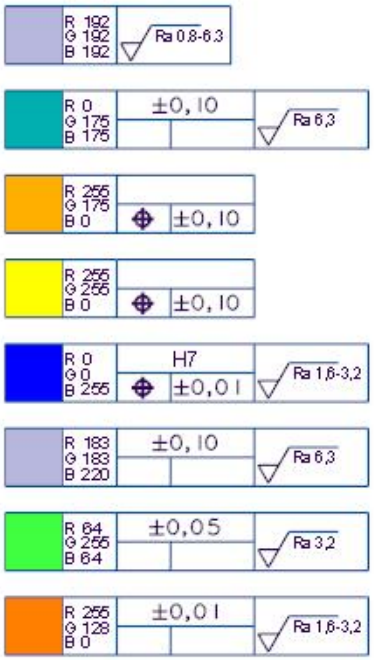
EMX 11.0.2.3

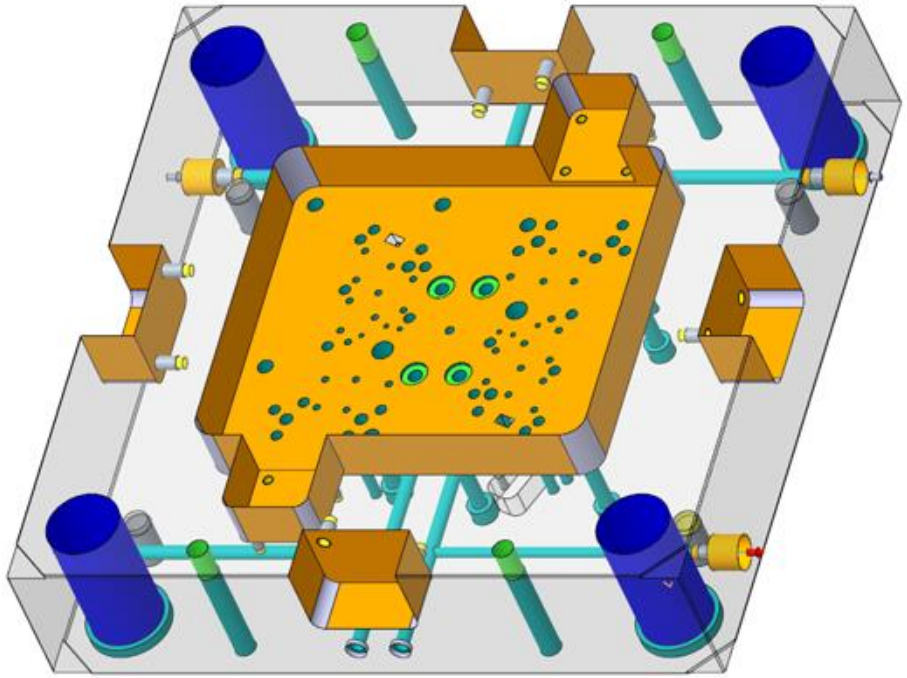
What's New?

Enhancements

EMX is now SMARTColor ready!

- Apply color coding rules with B&W SMARTColor application
- More information on our website: SMARTColor in EMX





Enhancements

New STRACK Z4 latch lock assembly

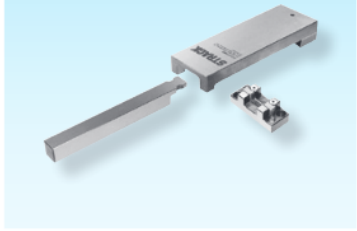
- New assembly contains all variation of the Z4 latch lock

STRACK® NORMALIEN

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

Klinkenzüge	Latch locks	Ouvres-moules

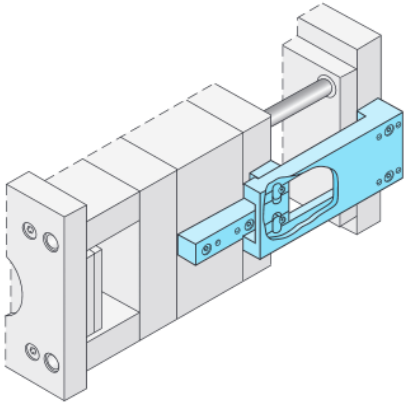
DLC

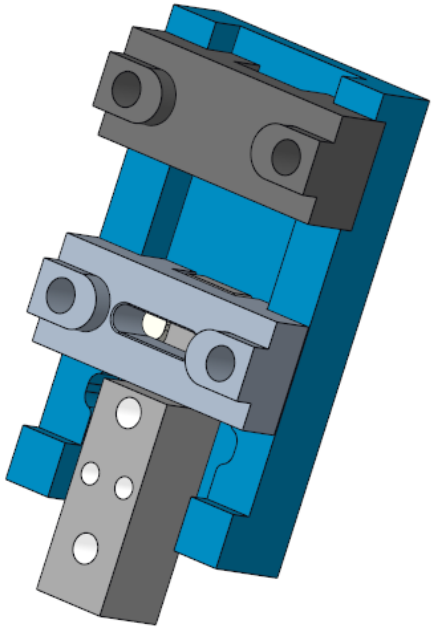


Z4-1-

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

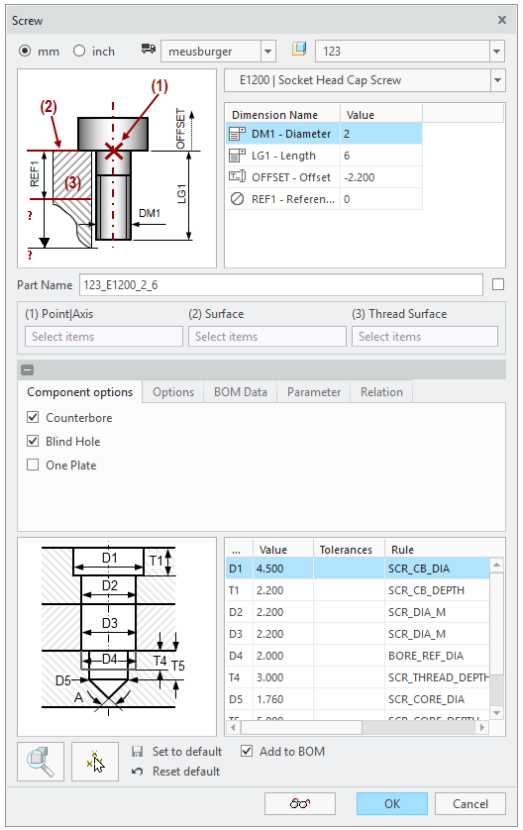
Z4-1-Type



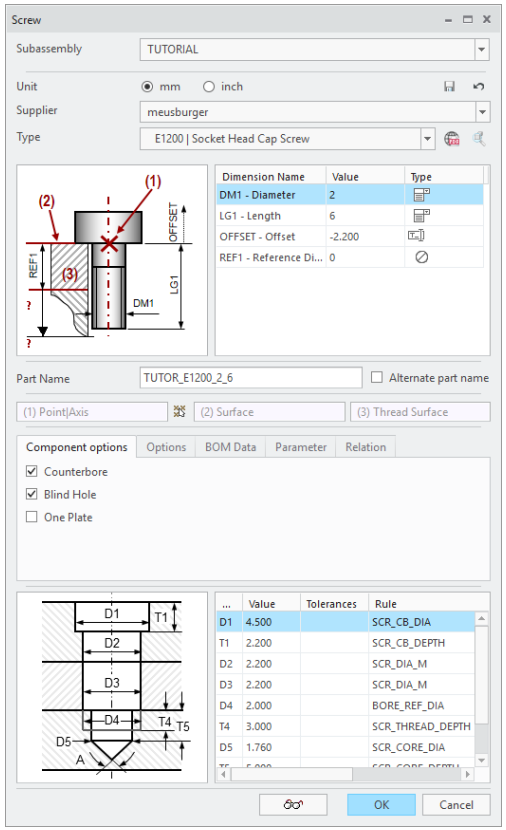


Enhancements

Streamlined UI of Component Dialog:



- Old



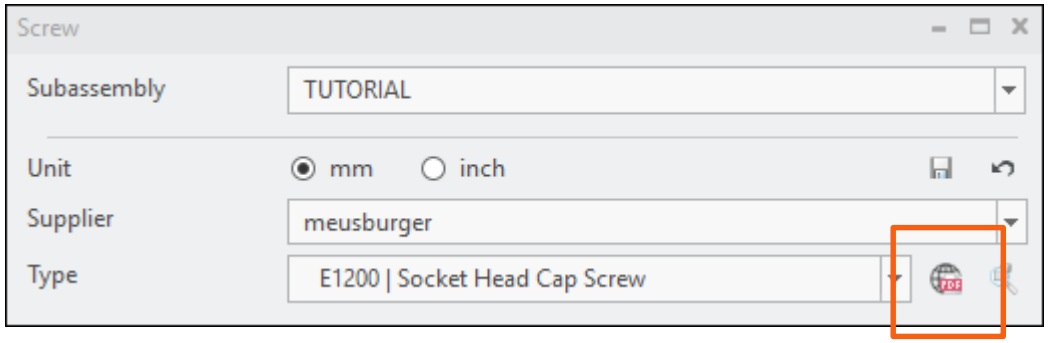
- New

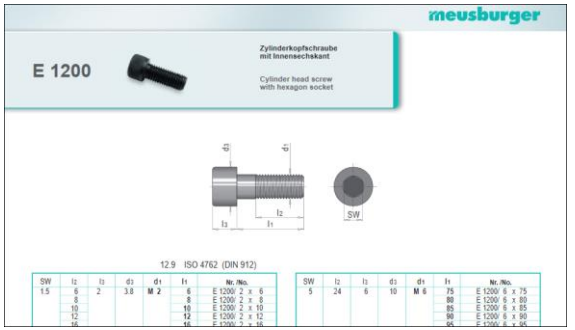
- Type selection improved
- Buttons moved from bottom area to related UI elements
- Dialog is resizable and can be maximized
- Missing UI descriptions added

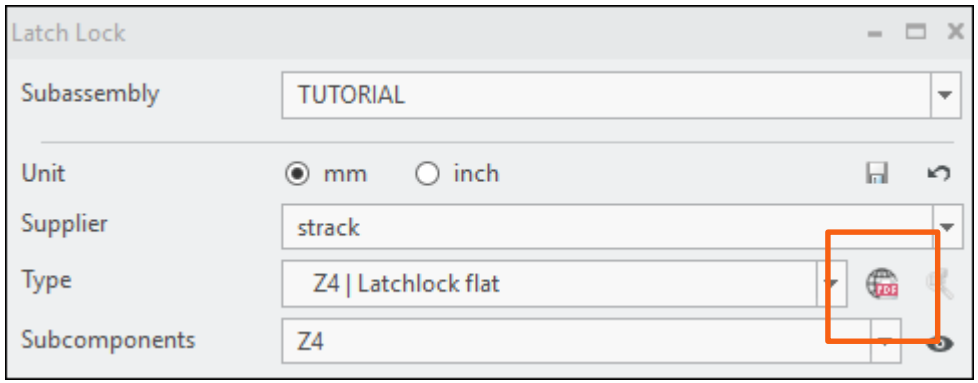
Enhancements

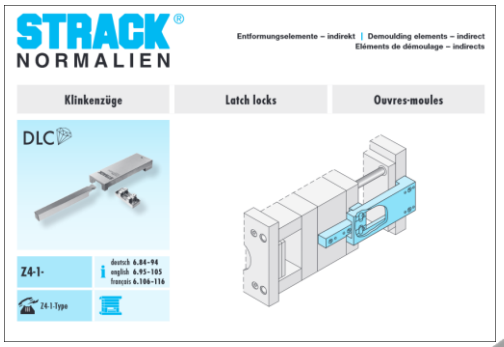
New weblink button in Component Dialog:

- 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:

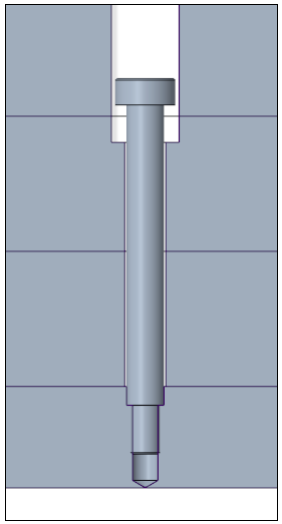
- 539111, 39111DLC and 39414

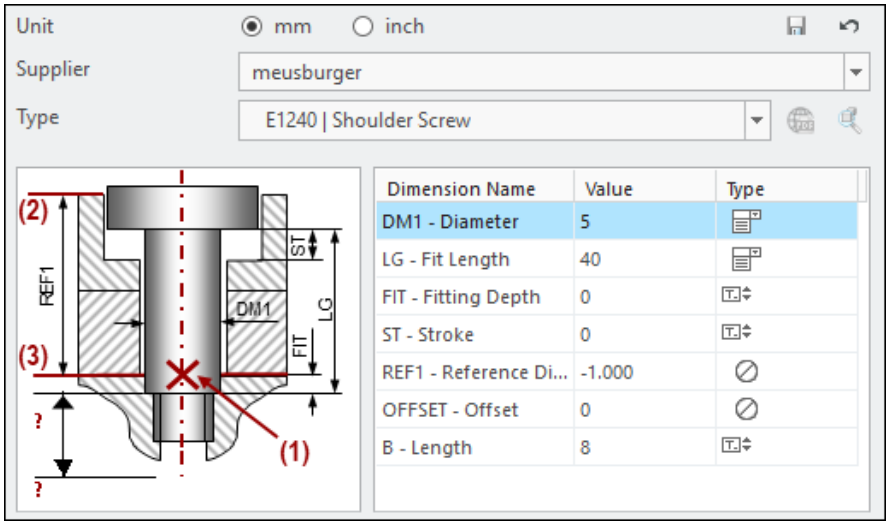
New KNARR insulation plates:

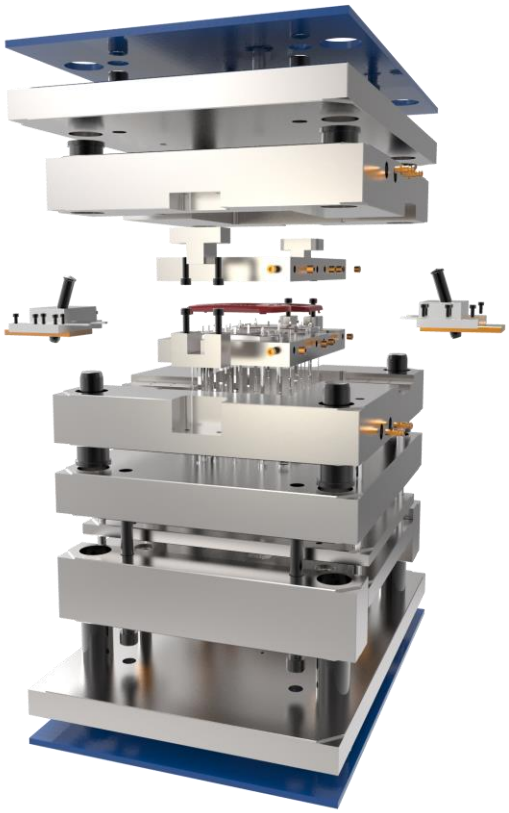
- 77335 and 77336

Improved shoulder screw functionality:

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







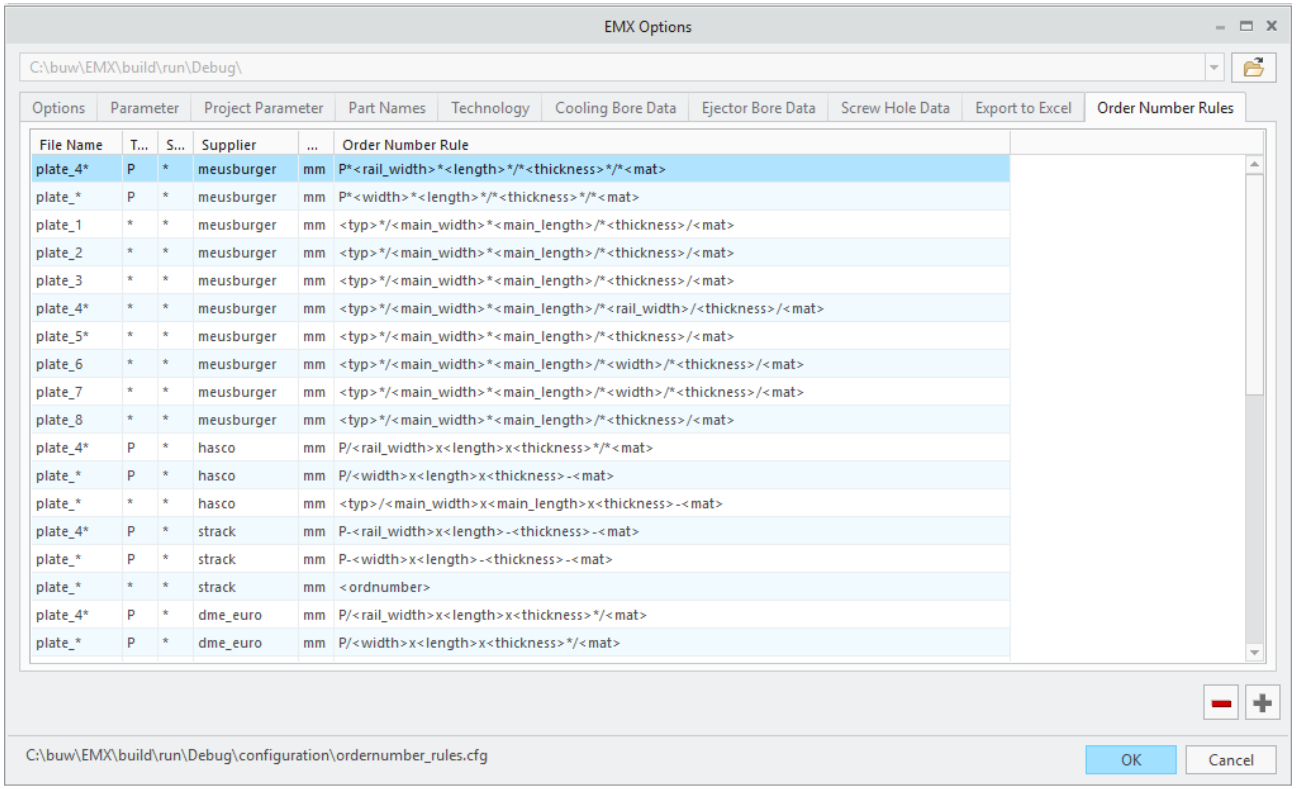
EMX 11.0.2.2

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

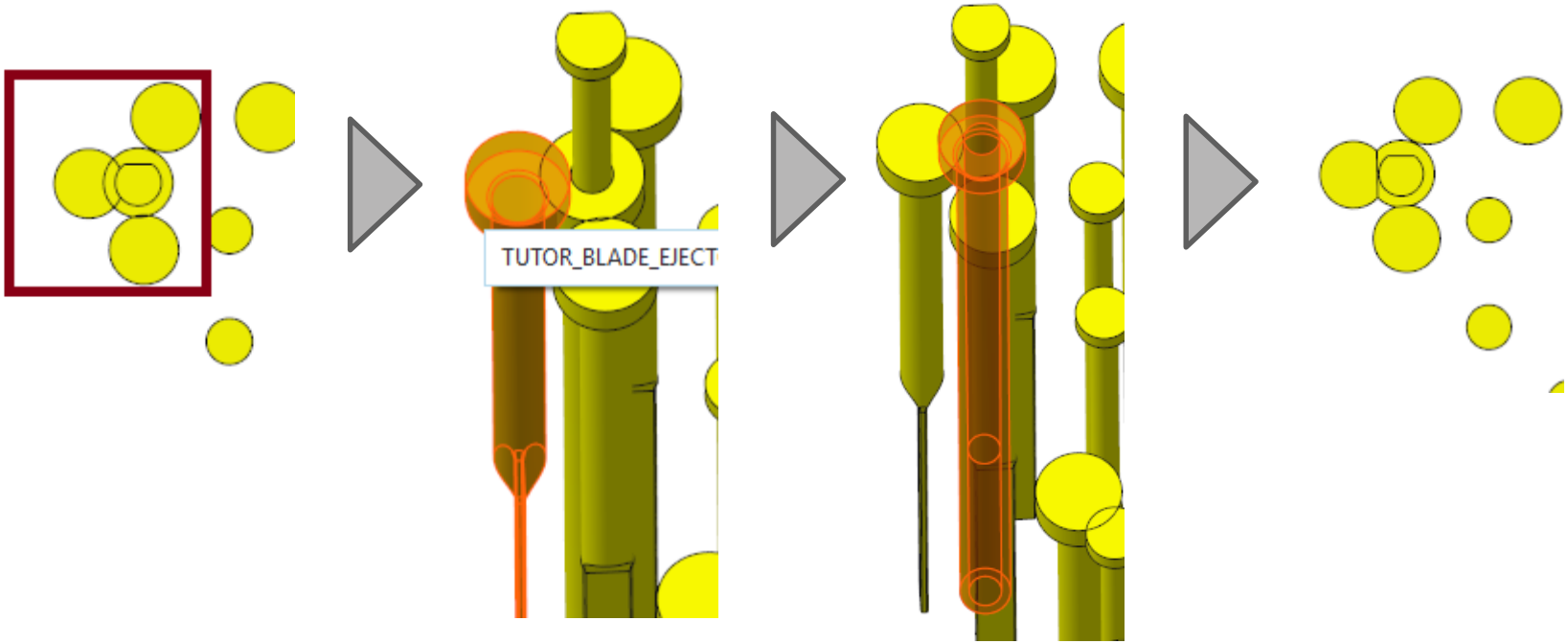


File Name	T...	S...	Supplier	...	Order Number Rule
plate_4*	P	*	meusburger	mm	P*<rail_width>*<length>*/*<thickness>*/*<mat>
plate_*	P	*	meusburger	mm	P*<width>*<length>*/*<thickness>*/*<mat>
plate_1	*	*	meusburger	mm	<typ>*/<main_width>*<main_length>/*<thickness>/<mat>
plate_2	*	*	meusburger	mm	<typ>*/<main_width>*<main_length>/*<thickness>/<mat>
plate_3	*	*	meusburger	mm	<typ>*/<main_width>*<main_length>/*<thickness>/<mat>
plate_4*	*	*	meusburger	mm	<typ>*/<main_width>*<main_length>/*<rail_width>/<thickness>/<mat>
plate_5*	*	*	meusburger	mm	<typ>*/<main_width>*<main_length>/*<thickness>/<mat>
plate_6	*	*	meusburger	mm	<typ>*/<main_width>*<main_length>/*<width>/*<thickness>/<mat>
plate_7	*	*	meusburger	mm	<typ>*/<main_width>*<main_length>/*<width>/*<thickness>/<mat>
plate_8	*	*	meusburger	mm	<typ>*/<main_width>*<main_length>/*<thickness>/<mat>
plate_4*	P	*	hasco	mm	P/<rail_width>x<length>x<thickness>*/*<mat>
plate_*	P	*	hasco	mm	P/<width>x<length>x<thickness>-<mat>
plate_*	*	*	hasco	mm	<typ>/<main_width>x<main_length>x<thickness>-<mat>
plate_4*	P	*	strack	mm	P-<rail_width>x<length>-<thickness>-<mat>
plate_*	P	*	strack	mm	P-<width>x<length>-<thickness>-<mat>
plate_*	*	*	strack	mm	<ordnumber>
plate_4*	P	*	dme_euro	mm	P/<rail_width>x<length>x<thickness>*/<mat>
plate_*	P	*	dme_euro	mm	P/<width>x<length>x<thickness>*/<mat>

Enhancements

New Feature: Trim Ejector Pin heads against each other

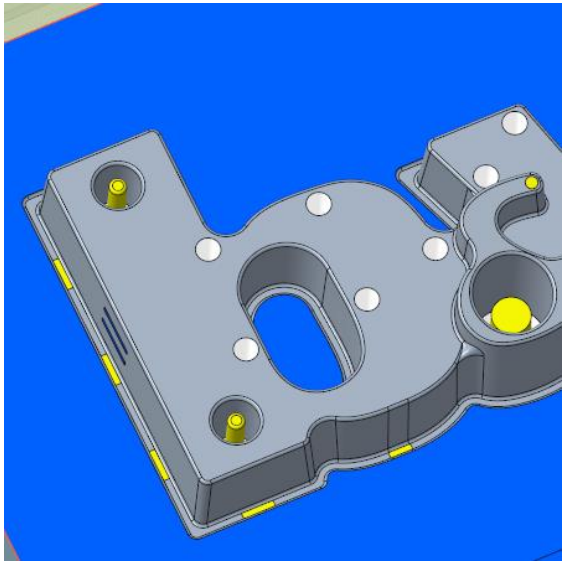
- Interfering ejector pin heads can be trimmed by selecting to different ejector pins

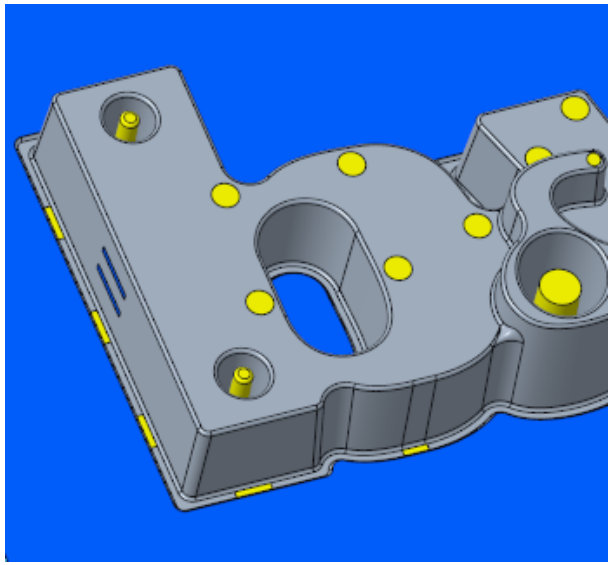


Enhancements

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.

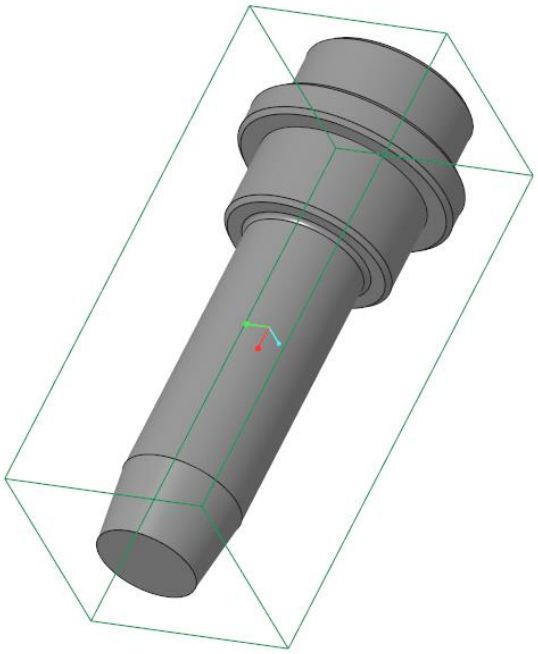


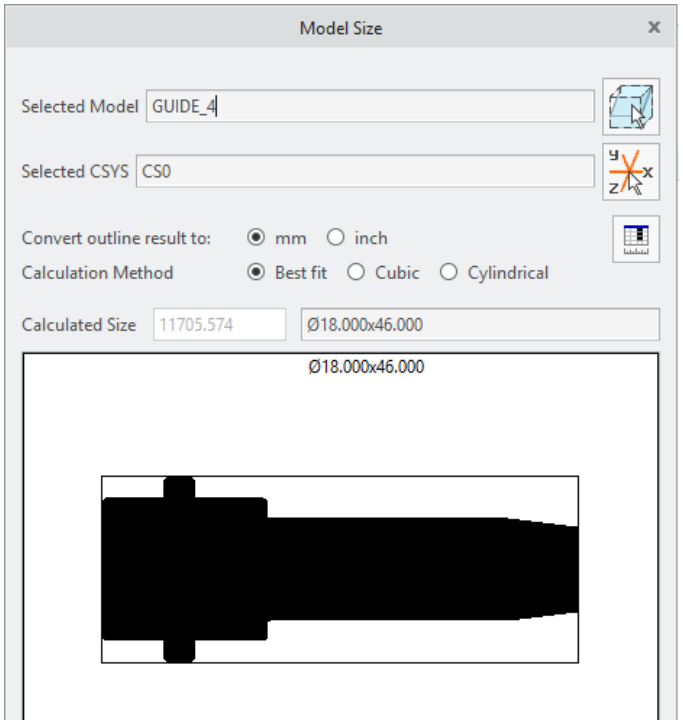


Enhancements

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



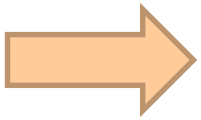


Enhancements

Improved performance of parameter read and write function

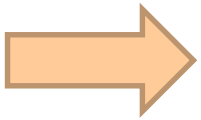
Reduce time working with EMX!

- Assembling of Components



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

- Bill of Materials



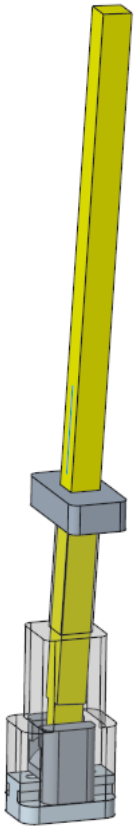
i.e. Open Bill Of Materials Dialog: ~ 40 % faster
i.e. Close Bill Of Materials Dialog: ~ 55 % faster

Enhancements

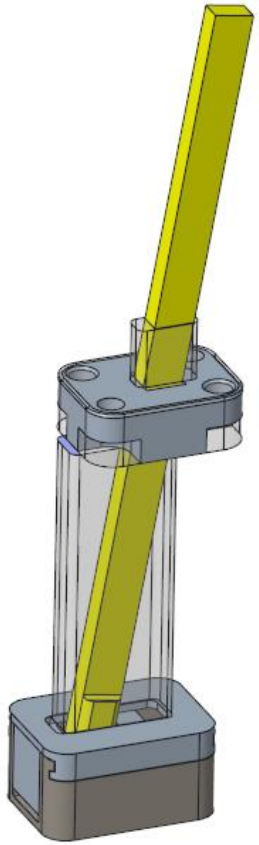
New MEUSBURGER Lifter assemblies added

- Additional improvement: Trimmed body can be displayed in Preview

- E3244 + E3240



- E3246 + E3240

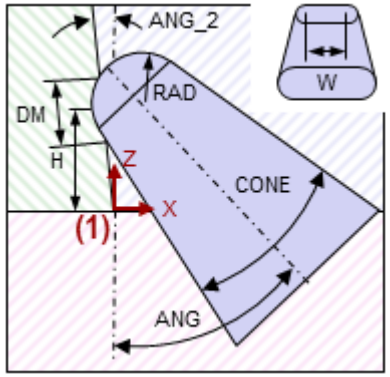


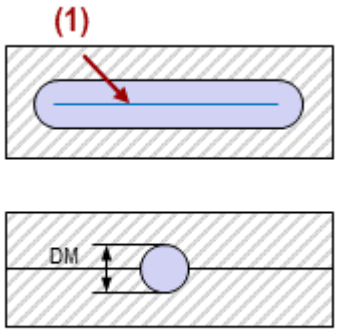
- E32481 + E3248 + E3249

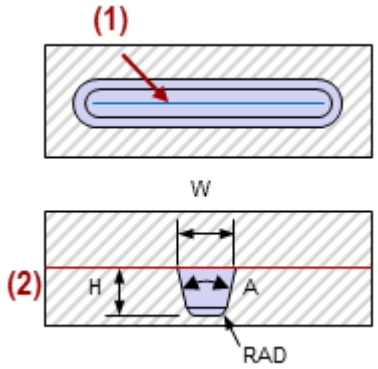
Enhancements

New Runner Library Components

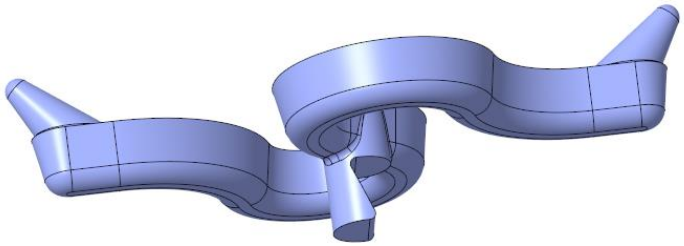
- With the new library components and UDFs runners can be designed easily.







- 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

Updated Components

MEUSBURGER

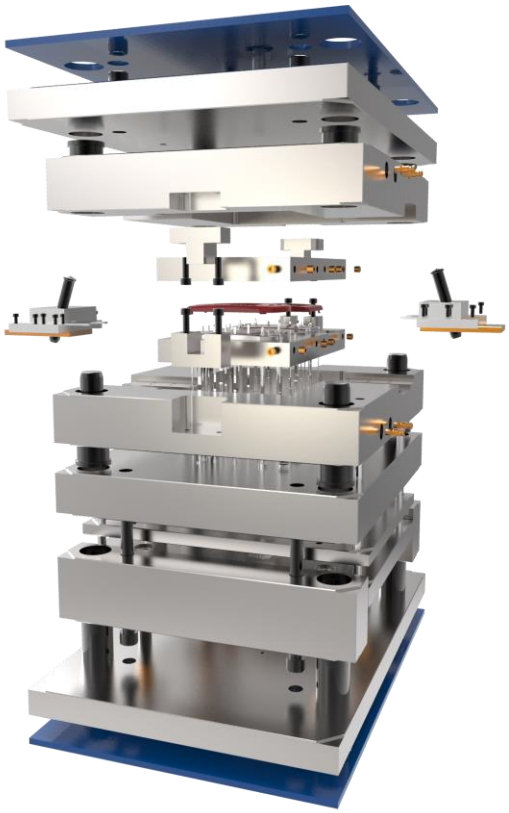
- Update E-Components to latest state: 1st quarter 2019

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



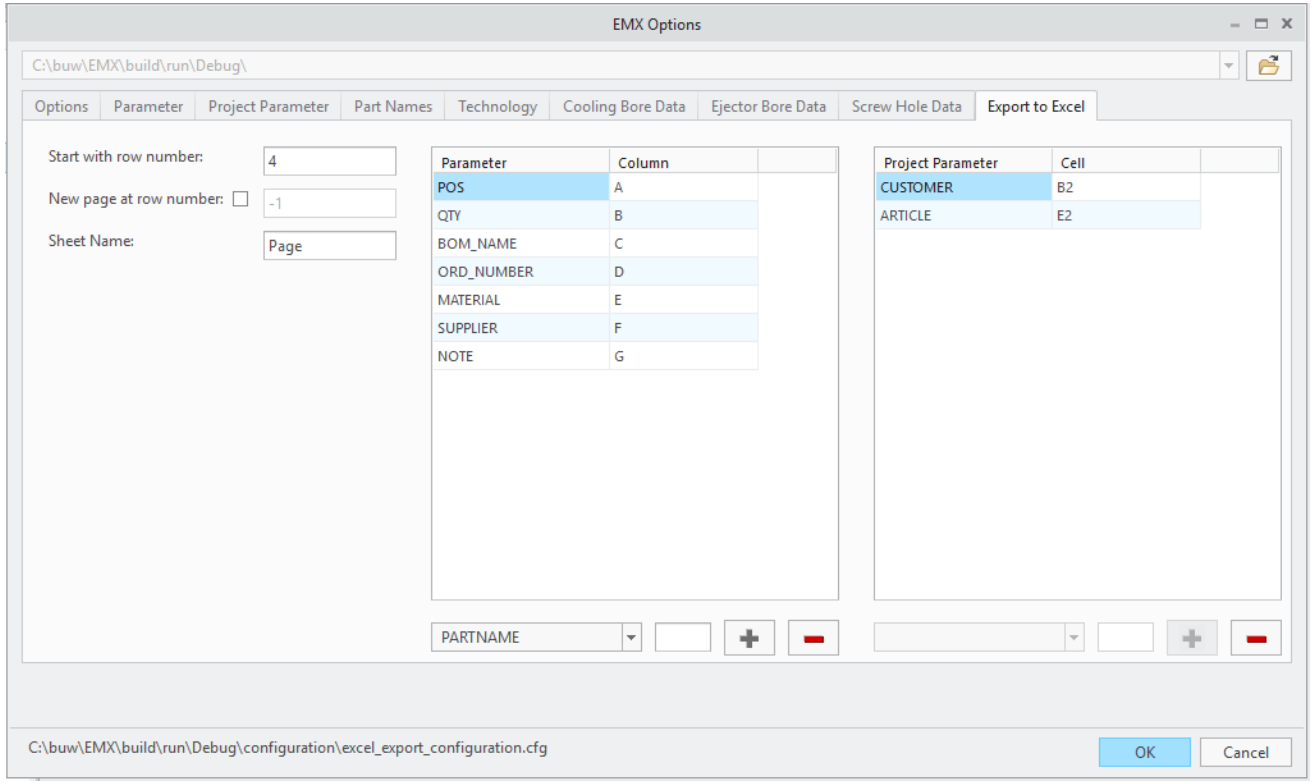
EMX 11.0.2.1

What's New?

Enhancements

New Feature: Direct Interface for Export to Excel available

- No more Visual Basic macro in Excel required.
- Settings can be configured in EMX Options.
- Export to any selected Excel BOM template possible.



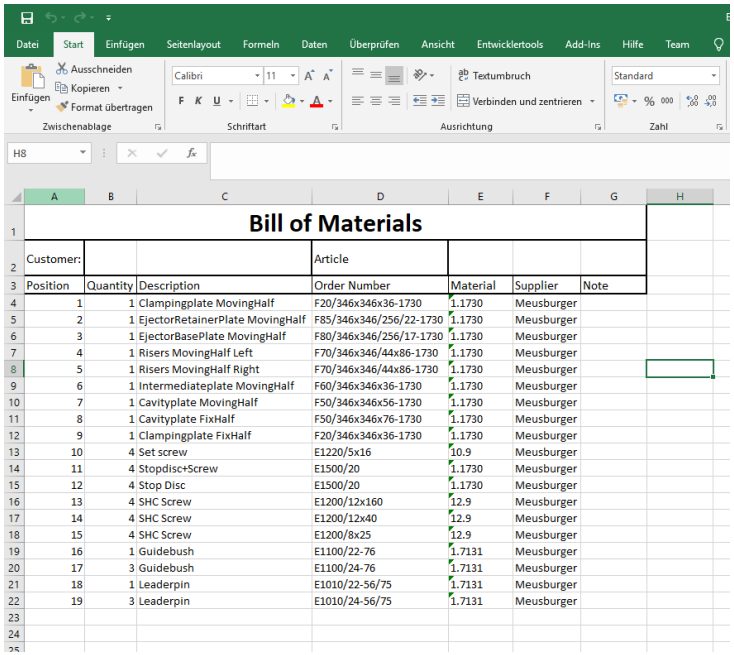
Enhancements

New Feature: Direct Interface for Export to Excel available

Both Options still available:

1. Direct Interface

2. Export by VBA-Macro



Bill of Materials

Customer:			Article			
Position	Quantity	Description	Order Number	Material	Supplier	Note
1	1	Clampingplate MovingHalf	F20/346x346x36-1730	1.1730	Meusburger	
2	1	EjectorRetainerPlate MovingHalf	F85/346x346/256/22-1730	1.1730	Meusburger	
3	1	EjectorBasePlate MovingHalf	F80/346x346/256/17-1730	1.1730	Meusburger	
4	1	Risers MovingHalf Left	F70/346x346/44x86-1730	1.1730	Meusburger	
5	1	Risers MovingHalf Right	F70/346x346/44x86-1730	1.1730	Meusburger	
6	1	Intermediateplate MovingHalf	F60/346x346x36-1730	1.1730	Meusburger	
7	1	Cavityplate MovingHalf	F50/346x346x56-1730	1.1730	Meusburger	
8	1	Cavityplate FixHalf	F50/346x346x76-1730	1.1730	Meusburger	
9	1	Clampingplate FixHalf	F20/346x346x36-1730	1.1730	Meusburger	
10	4	Set screw	E1220/5x16	10.9	Meusburger	
11	4	Stopdisc+Screw	E1500/20	1.1730	Meusburger	
12	4	Stop Disc	E1500/20	1.1730	Meusburger	
13	4	SHC Screw	E1200/12x160	12.9	Meusburger	
14	4	SHC Screw	E1200/12x40	12.9	Meusburger	
15	4	SHC Screw	E1200/8x25	12.9	Meusburger	
16	1	Guidebush	E1100/22-76	1.7131	Meusburger	
17	3	Guidebush	E1100/24-76	1.7131	Meusburger	
18	1	Leaderpin	E1010/22-56/75	1.7131	Meusburger	
19	3	Leaderpin	E1010/24-56/75	1.7131	Meusburger	

What's Possible:

- Parameter to defined column.
- Project Parameter to defined cell.
- Start from defined row number
- Optional: New sheet at defined row number.

Enhancements

New STRACK Sliders:

New Types:
Z4290, Z4290L, Z4292, Z4293, Z4294, Z4294L, Z4295, Z4296, Z4296L and Z4298

Z4290L

Z4294L

Z4296L

Quelle: https://www.strack.de

Enhancements

New Components:

- STRACK – Ejector Pins: R1628 and R1634

- HASCO – Torx Screw: Z330

- MEUSBURGER - Cooling Component: E2112
- MEUSBURGER - Guide Component: E5000 and E5200
- MEUSBURGER - Ejector Pins: E1711 and E17264DLC

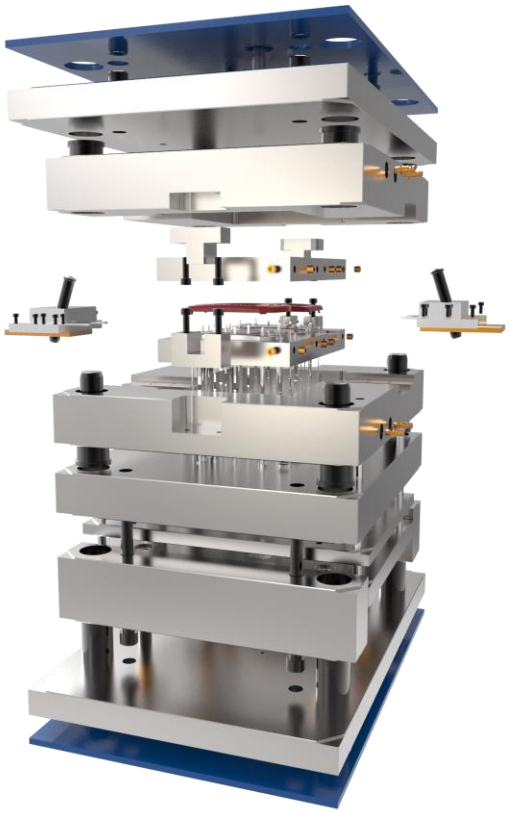
- DIN – Ejector Pins: DIN1530-D, DIN6751, DIN8405, DIN8693 and DIN8694.

Updated Components:

- MEUSBURGER – Plates and Component
- HASCO – Insulation Plates

EMX 11.0.2.0

What's New?



Enhancements

New Option: USE_LAYERS_FOR_SIDE_VIEWS

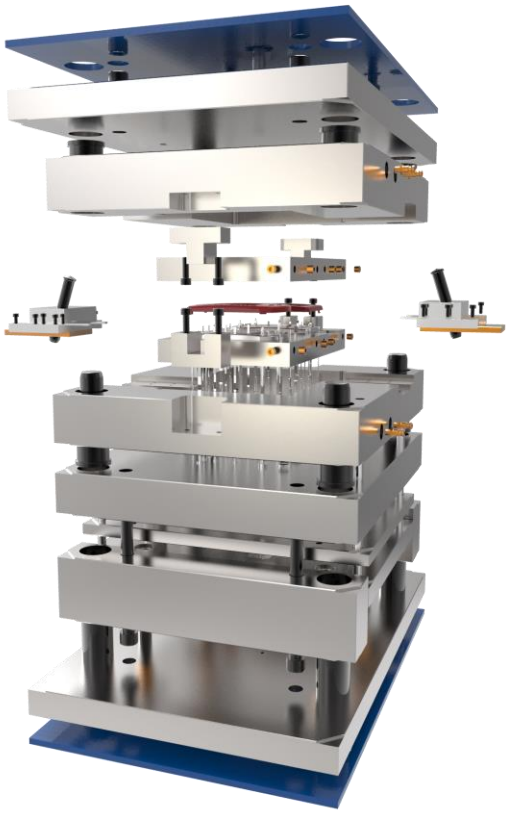
- Instead of simplified representations all EMX components can be put on layers to display the moving and fixed half in the View functionalities.

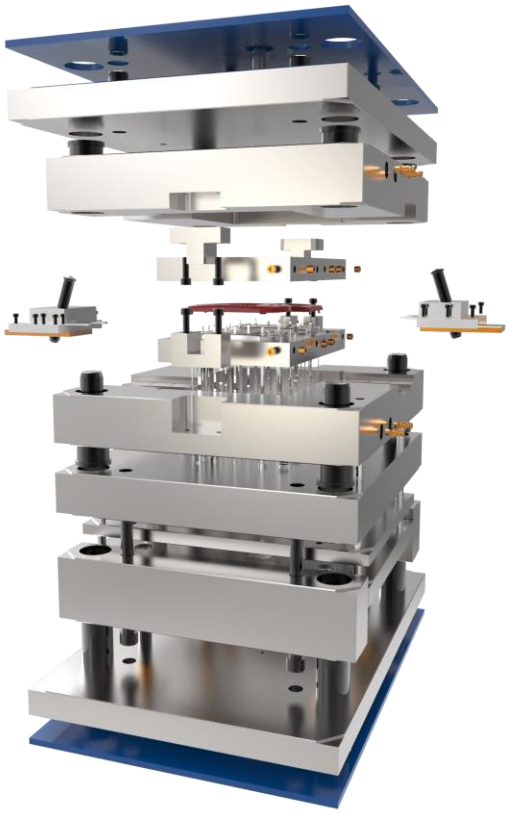
Major Bug Fixes

- Creo Toolkit API function ProMathExpressionEvaluate behaves different beginning with Creo 4 M080. An Update to EMX 10.0 M030 is required.

EMX 11.0.1.2

What's New?





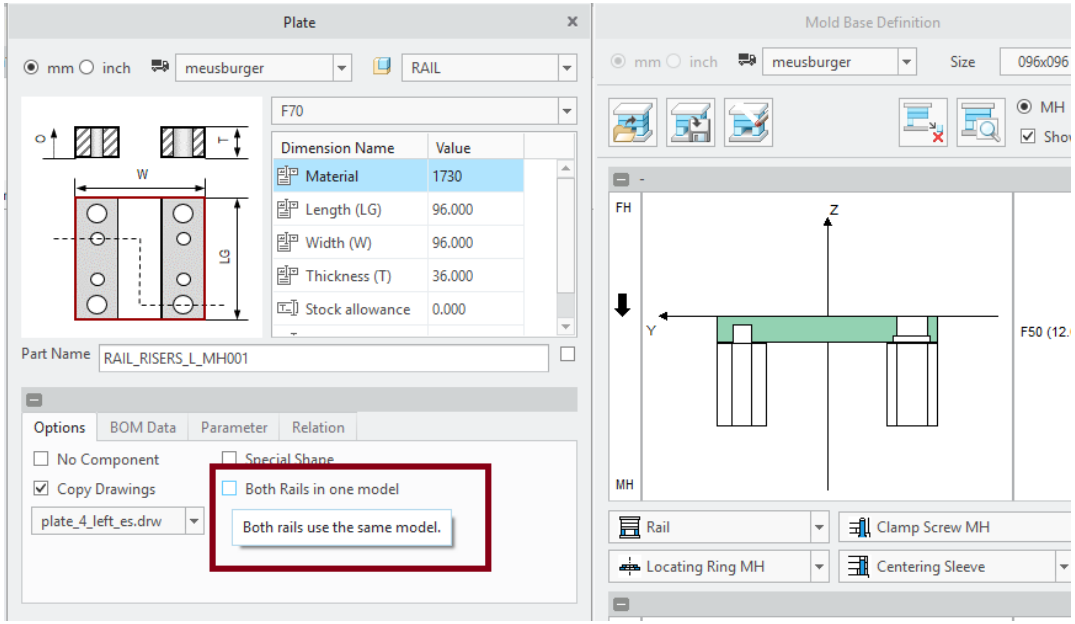
EMX 11.0.1.1

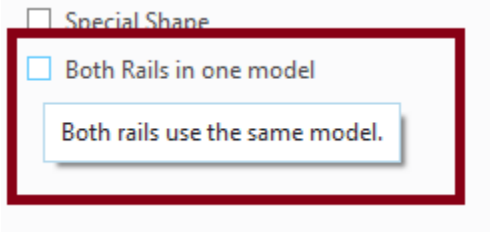
What's New?

Enhancements

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

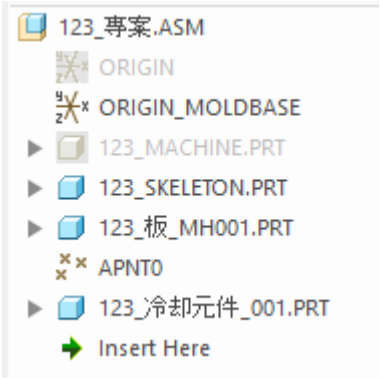
- The EMX Option USE_ONE_MODEL_RAIL only sets the default for check button
- Different types of rail models can be assembled to one mold base

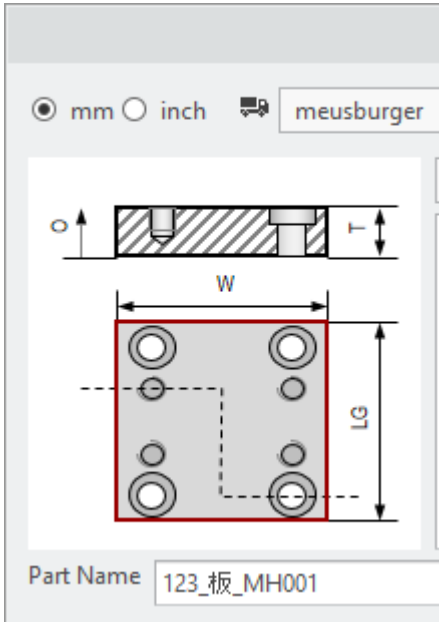


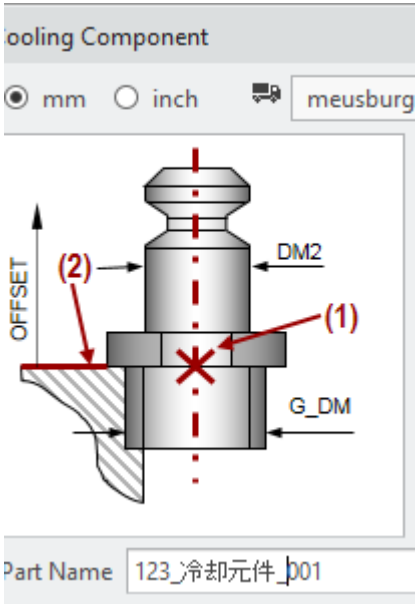


Enhancements

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







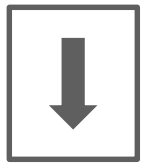
Enhancements

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	Auswerfergplatte Auswerferse...	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	Auswerfergplatte Duesenseite	M
01-0001	Auswerferplatte Duesenseite	M

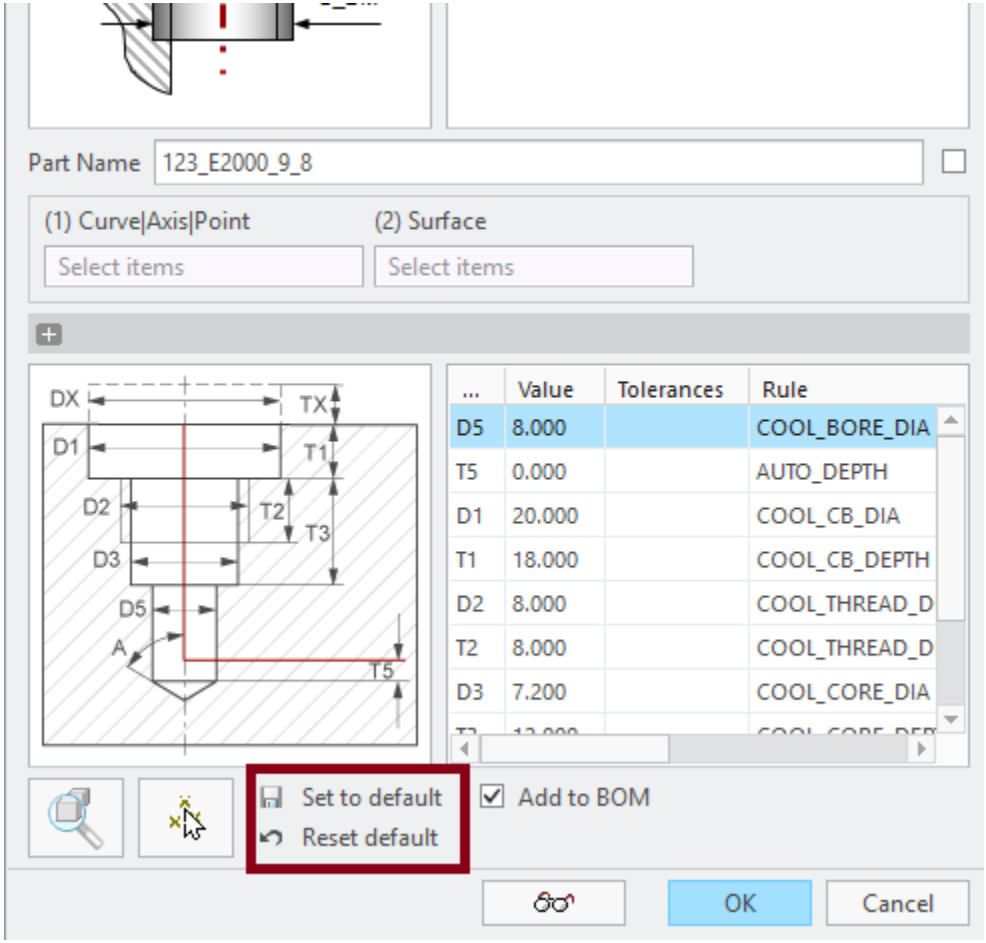
01-0001	Auswerferplatte Auswerferseite	
01-0001	Leiste Auswerferseite	
01-0001	Leiste Auswerferseitep	
01-0001	Zwischenplatte Auswerferseite	
01-0001	Rahmenplatte Auswerferseite	



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

Enhancements

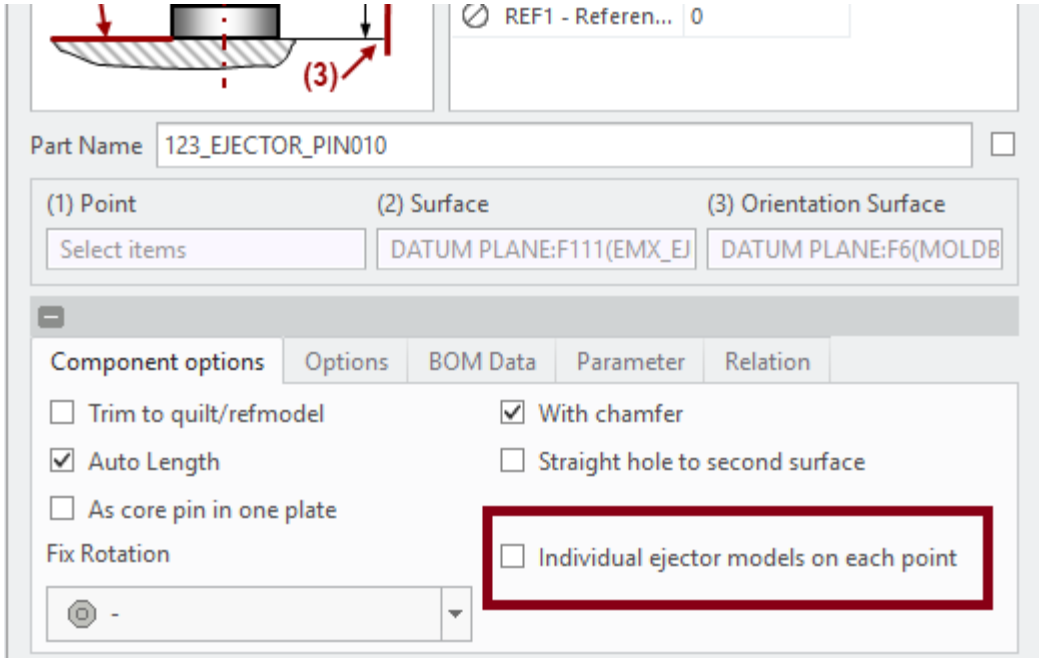
New button in Component Dialog to reset saved component instances to default.



Enhancements

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

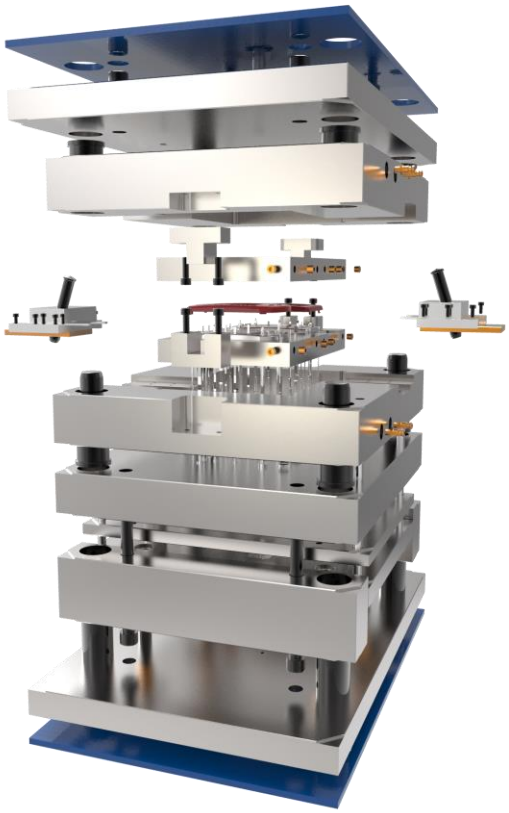
- Previously option ENABLE_MULTI_EJP behavior in EMX Options
- The EMX Option ENABLE_MULTI_EJP only the sets default for check button



Components

New components

- MEUSBURGER cooling components E20749 and E2074D.



EMX 11.0.1.0

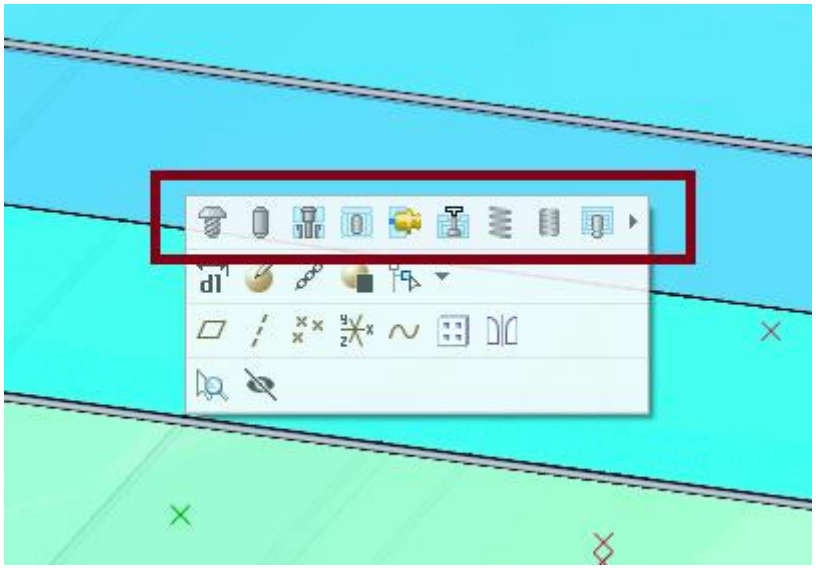
What's New?

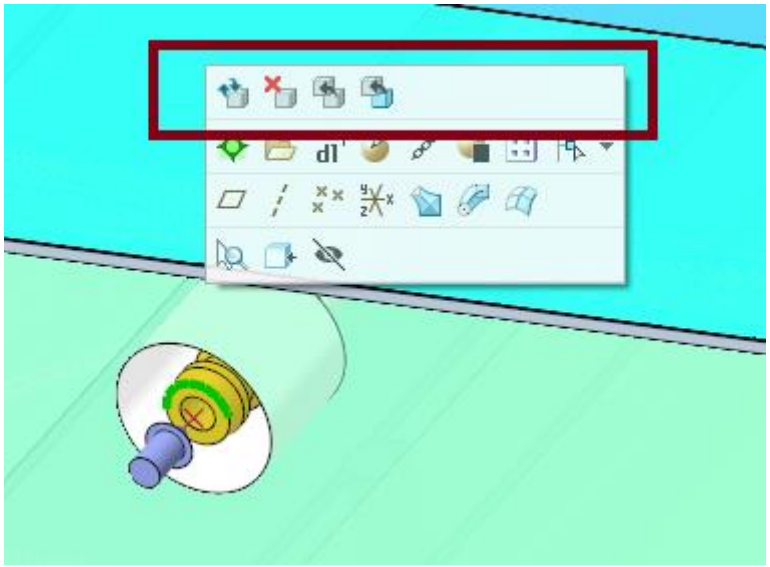
- Enhancements
- Components

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

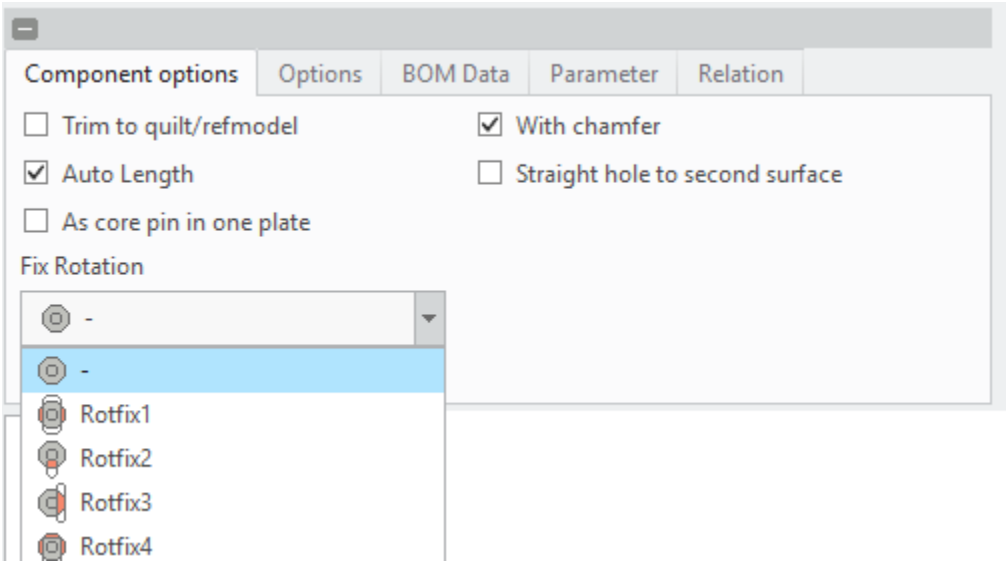




Enhancements

Improve Ejector UDFs and Options

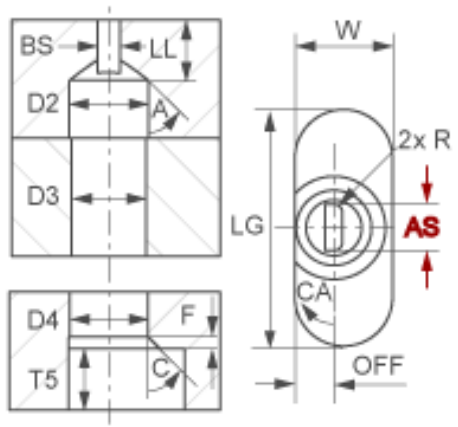
- New Rotation Fixture Type
- New Chamfer Option
- Visualization of Trim Option
- Separate Rotation Fixture Angle for all UDF Types
- Improved Preview Sketch UDFs
- Separate Tabs for Component Options and Assembly Options

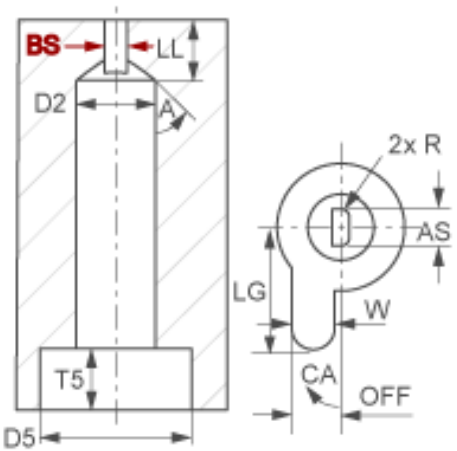


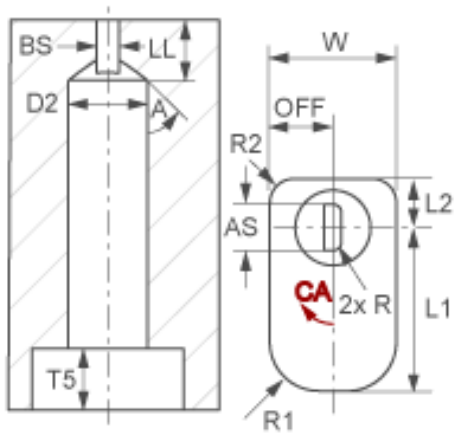
Enhancements

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

- Verification of all visualized UDF dimensions
- New Design



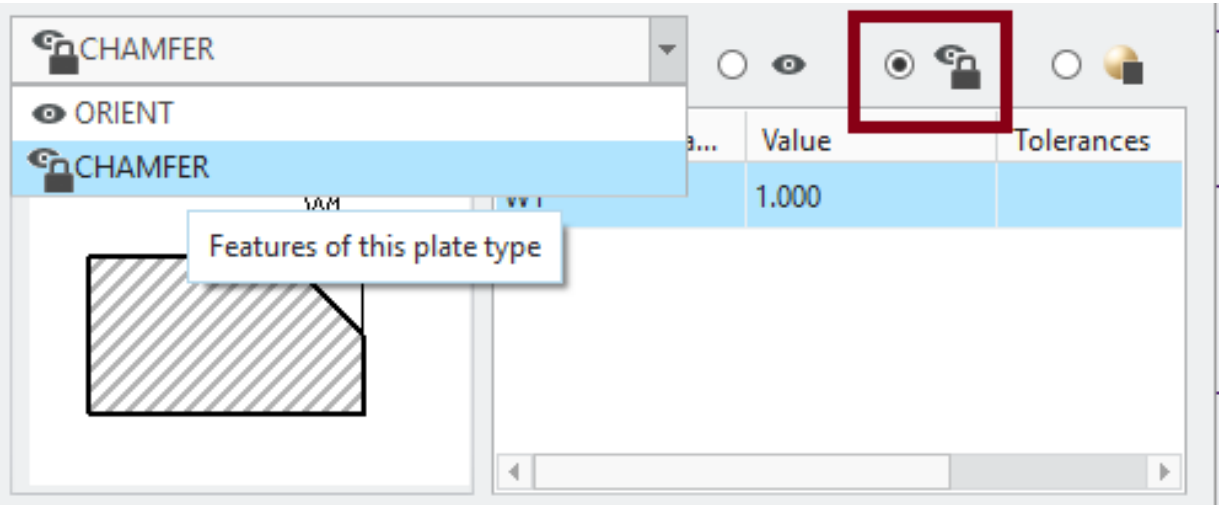




Enhancements

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



Components

STRACK

- Update of existing ejectors
- New Springs: SN2520, SN2540, SN3560, SN3580, SN2590, SN2600, SN2625
- New Side Interlocks: W44, Z38,Z46

EBERHARD

- Update of existing ejectors
- New Ejectors: 6116, 6118, 612R, 6143, 6178, 6261, 6271, 6281, 6331, 6335, 6341, 6351, 6361, 6371, 6381, 6441, 6622

MEUSBURGER

- Update component and plate data to latest state

LKM

- Clamping Slots available for side gate plates

KNARR

- Update component data to latest state