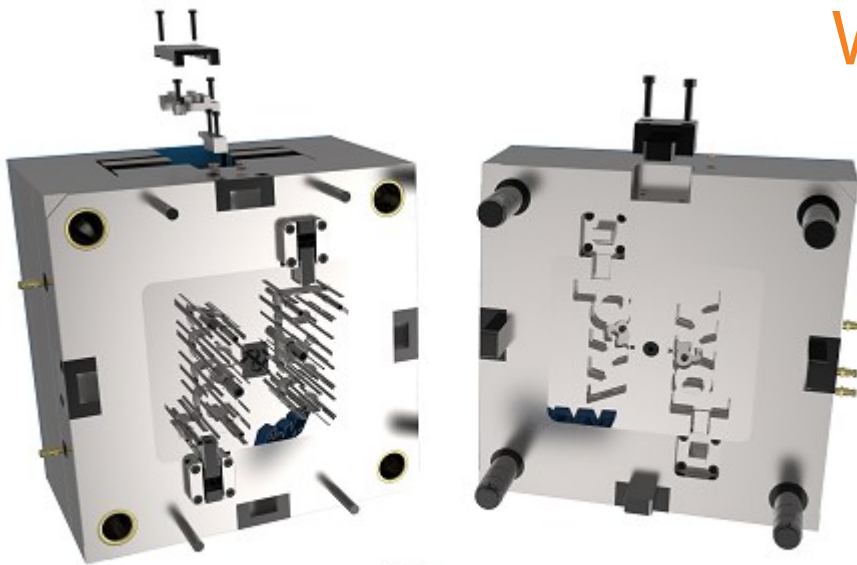


EMX 13.0.0.3

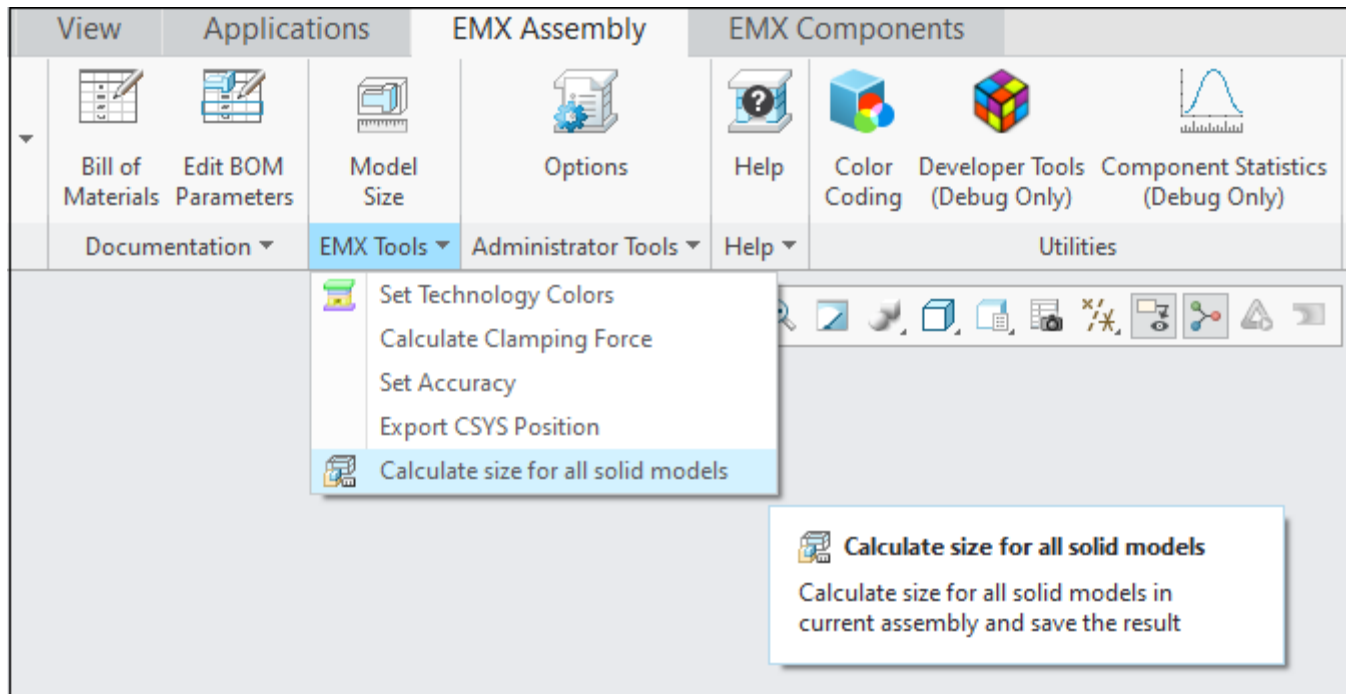
What's New?



Enhancements

Introduce command to calculate size parameter of all models in assembly:

Calculate size for all solid models without opening the Bill of Materials



Enhancements

When recalculating size parameter in BOM, all changed values are highlighted:

Bill of Materials

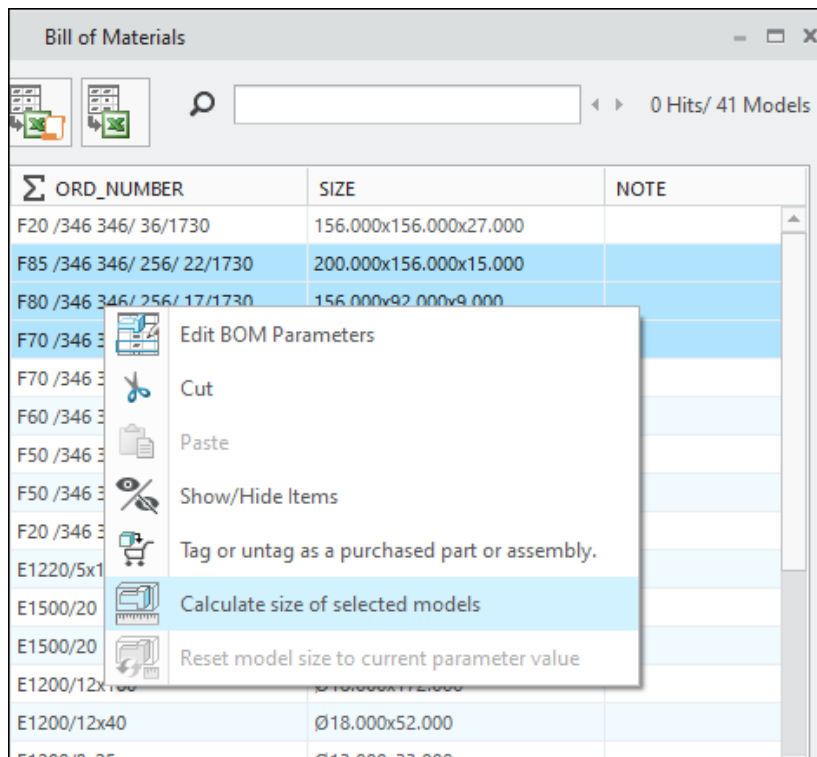
0 Hits/ 41 Models

NUMBER	SIZE	NOTE	LIST_EXAM
36/1730	446.000x346.000x36.000		AB-123
256/ 22/1730	346.000x256.000x22.000		AB-123
256/ 17/1730	346.000x256.000x17.000		AB-123
44/86/1730	346.000x86.000x44.000		AB-123
44/86/1730	346.000x86.000x44.000		AB-123
36/1730	346.000x346.000x36.000		AB-123
56/1730	346.000x346.000x56.000		AB-123
76/1730	346.000x346.000x76.000		AB-123
36/1730	446.000x346.000x36.000		AB-123
	Ø10.000x16.000		AB-123
	0x0x0		AB-123
	Ø20.000x4.000		AB-123
	Ø18.000x172.000		AB-123
	Ø18.000x52.000		AB-123
	Ø13.000x33.000		AB-123

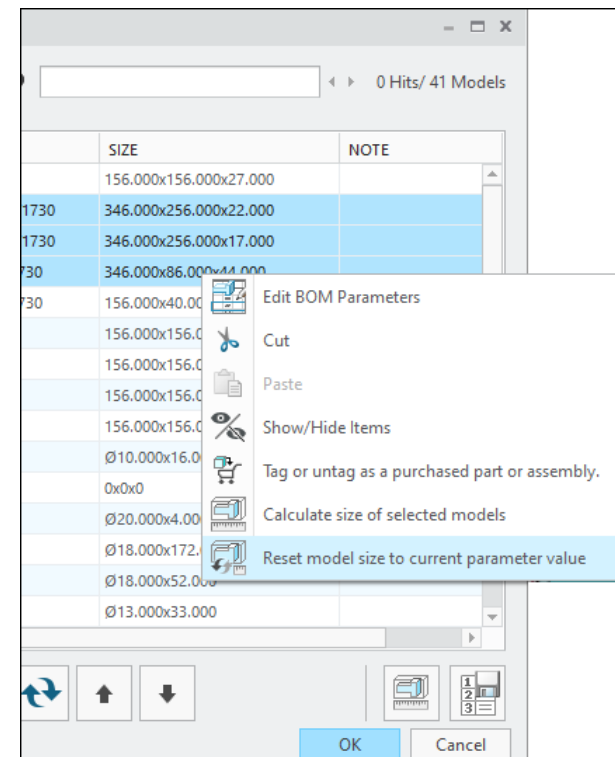
OK Cancel

Enhancements

Recalculate size parameters of selected models only from Right Mouse Menu:

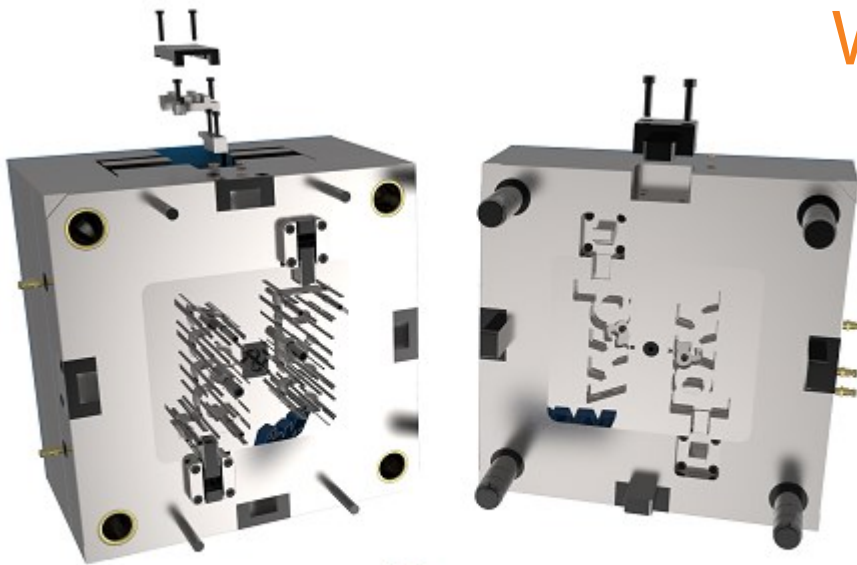


Reset the model size to the current parameter value for selected components from the Right Mouse Menu:



EMX 13.0.0.2

What's New?



Enhancements

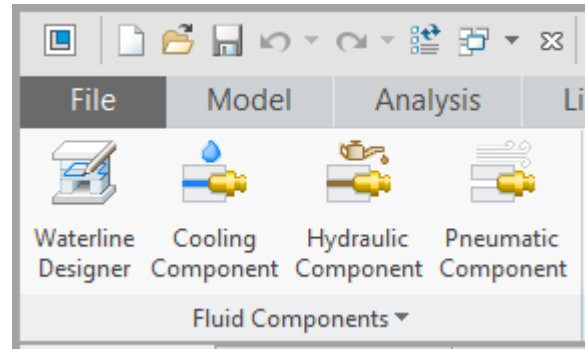
New Commands for Hydraulic and Pneumatic components:

New Hydraulic components:

- Meusburger E1700, E7140

New Pneumatic components

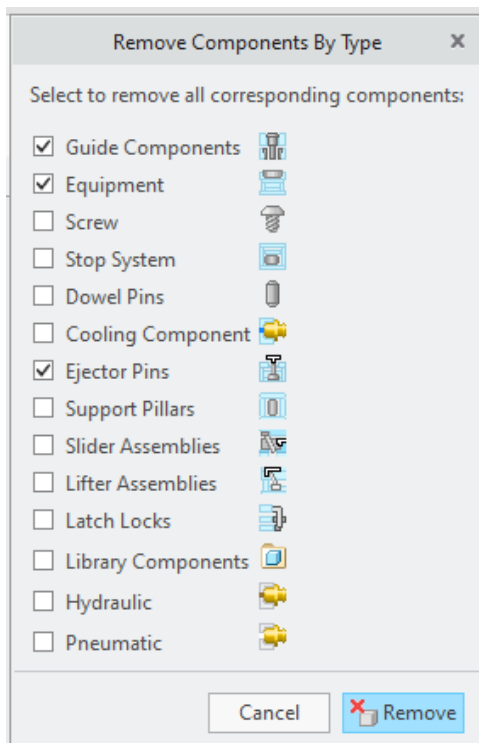
- Festo GS-G-I, QS-R-I



Enhancements

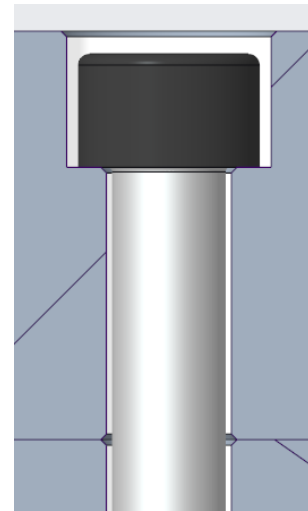
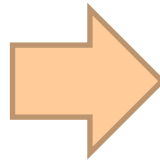
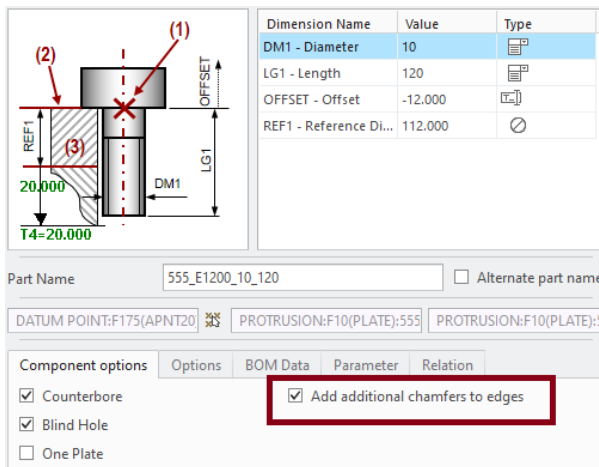
New Dialog to delete all components of a selected type:

Current function to delete all cooling components or all ejector pins is extended for all different components types.



Enhancements

New Option in Component Dialog to automatically create chamfers on edges in cutout UDFs for all kind of components:



A rule set for chamfer sizes can be defined in EMX options.

Options			Parameter		Project Parameter		Part Names		Technology		Cooling Bore Data		
Ejector Bore Data				Screw Hole Data			Export to Excel		Order Number Rules			Chamfer Size	
UDF ...	Cate...	Supp...	...	Lower Bound...	Upper Bound...	Chamfer Size							
*	*	*	mm	0	1.5	0.2							
*	*	*	mm	1.5	3	0.3							
*	*	*	mm	3	22	0.5							
*	*	*	mm	22	100	1							

Enhancements

New Command to transfer surface parameters from reference part to mold volumes:

- Manufacturing information can be transferred from the reference part to further derived models in the cavity.
- Supports model-based definition approach.

Enhancements and Improvements

New Option SOLID_TOLERANCE_STANDARD:

- Set solid tolerance standard independent from unit.

IGES, STEP, DXF export in BOM works with active Windchill workspace

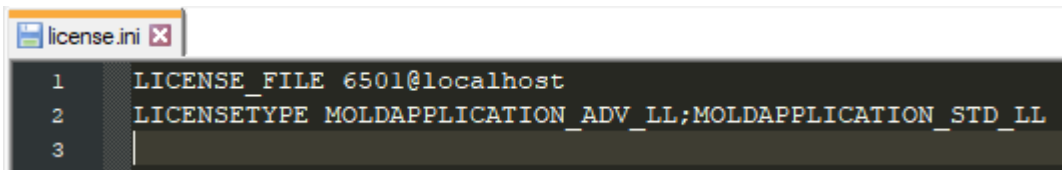
New MEUSBURGER guide components

- E5140, E5152 and E5202

Option BOM_BALLOON_CUSTOM_PARAM works now with component parameters

License.ini supports multiple license types on same license server

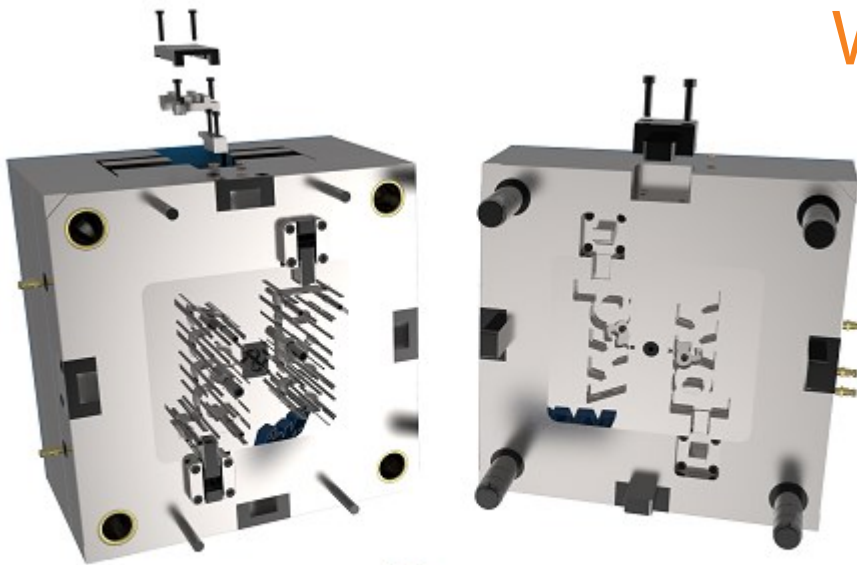
- In case multiple license types are defined a license can be selected from a dialog box.

A screenshot of a text editor window titled 'license.ini'. The window contains three lines of text: '1 LICENSE_FILE 6501@localhost', '2 LICENSETYPE MOLDAPPLICATION_ADV_LL;MOLDAPPLICATION_STD_LL', and '3'.

```
license.ini x
1 LICENSE_FILE 6501@localhost
2 LICENSETYPE MOLDAPPLICATION_ADV_LL;MOLDAPPLICATION_STD_LL
3
```

EMX 13.0.0.0

What's New?

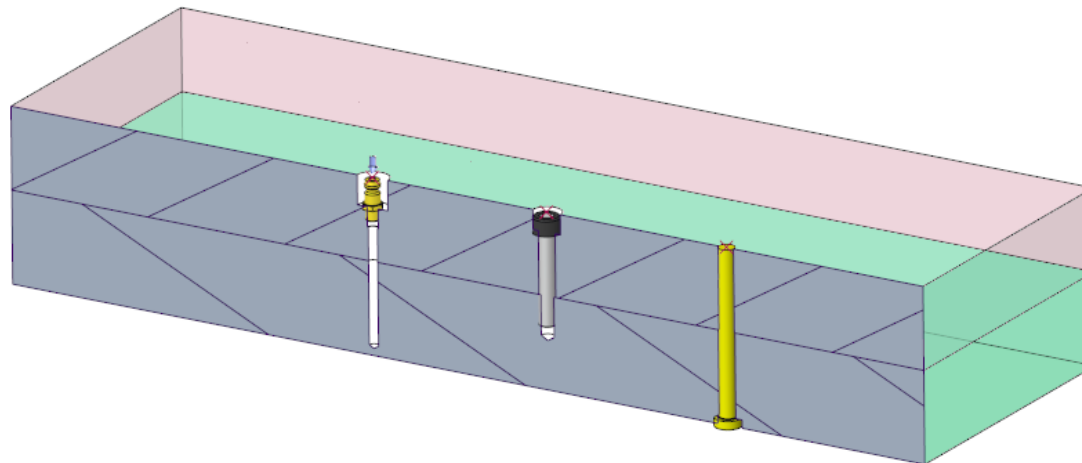


Enhancements

EMX is ready for Multi Body with Creo7!

- All Cut out UDFs are updated to work with multi body parts.
- Cut out mechanism detects multi bodies.

▶ MULTI_MACHINE.PRT
 ▶ MULTI_SKELETON.PRT
 ▼ MULTI_CAV_PLATE_MH_001.PRT
 ▶ Materials
 ▼ Bodies (2)
 ▶ Body 1
 ▶ Body 2
 CS0
 PLATE_ORIGIN
 PLATE_LENGTH_PLANE
 PLATE_REF_PLANE
 PLATE_WIDTH_PLANE
 BUW_CSYS
 A_X
 A_Y
 A_Z
 ▶ PLATE
 ▶ Extrude 2
 DTM8
 xx PNT4
 ▶ Group EMX_REF_POINT_PLANE
 ▶ Group COOL_THREAD_SINGLE
 xx PNT5
 xx PNT6
 ▶ Group SCREW_CB
 ▶ Group SCREW_THREAD_BORE
 ▶ Group EJP_REF_SYSTEM
 ▶ Group EJP_CB_ROTFIX1_CHAM
 ▶ Group EJP_CB_ANGLE



Enhancements

“Trimmed “ and “Shortened length” can be added to Ejector Pin notes parameter:

- Create an ejector pin pre or post note string using the EMX options EJP_NOTE_PRE_STRING or EJP_NOTE_POST_STRING
- In case the configuration option contains the placeholder <geometry_option> it will be replaced with „trimmed“ or „shorted_length“

Enhancements









New configuration file `customer_number.cfg` introduced:

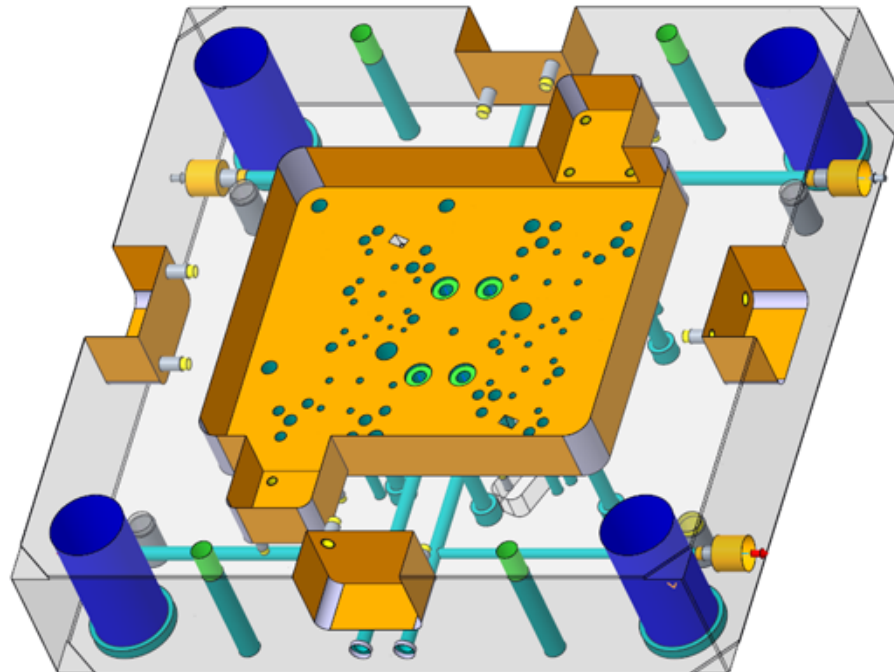
- This config file can be used to overwrite the content of the `USER_NUMBER` parameter based on supplier, category, type and instance of a component.
- This allows the configuration of customer number values without modifying the component `*dat` files at all.

Enhancements

EMX is now SMARTColor ready!

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

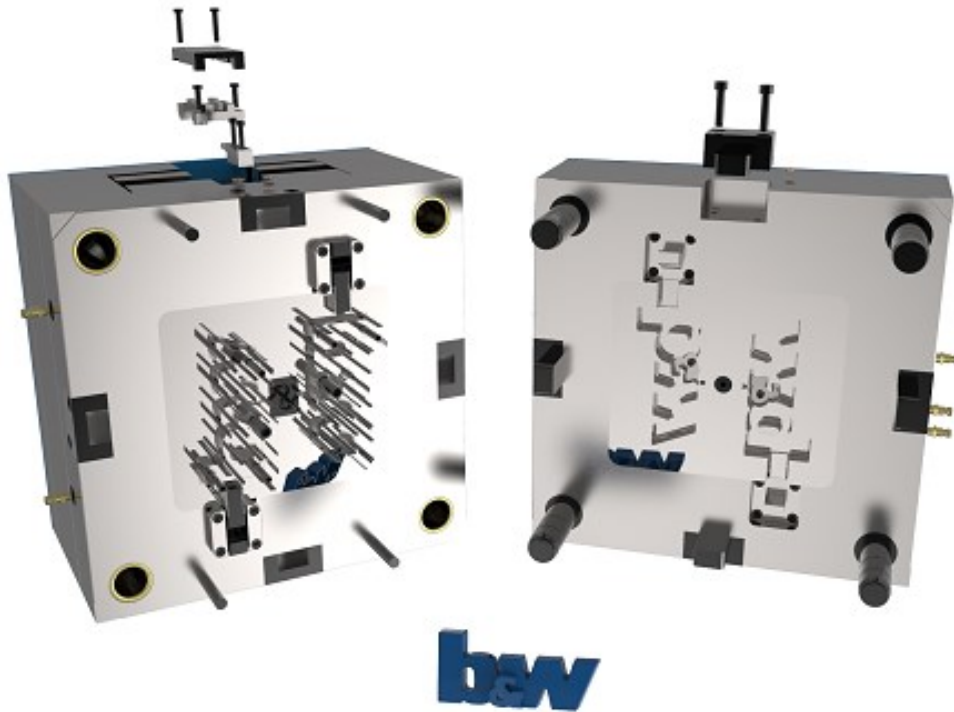
	R 192 G 192 B 192	$\sqrt{Ra\ 0.8-6.3}$
	R 0 G 175 B 175	$\pm 0,10$ $\sqrt{Ra\ 6.3}$
	R 255 G 175 B 0	$\pm 0,10$
	R 255 G 255 B 0	$\pm 0,10$
	R 0 G 0 B 255	H7 $\pm 0,01$ $\sqrt{Ra\ 1.6-3.2}$
	R 183 G 183 B 220	$\pm 0,10$ $\sqrt{Ra\ 6.3}$
	R 64 G 255 B 64	$\pm 0,05$ $\sqrt{Ra\ 3.2}$
	R 255 G 128 B 0	$\pm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



Enhancements

New EMX Tutorial is now available!









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

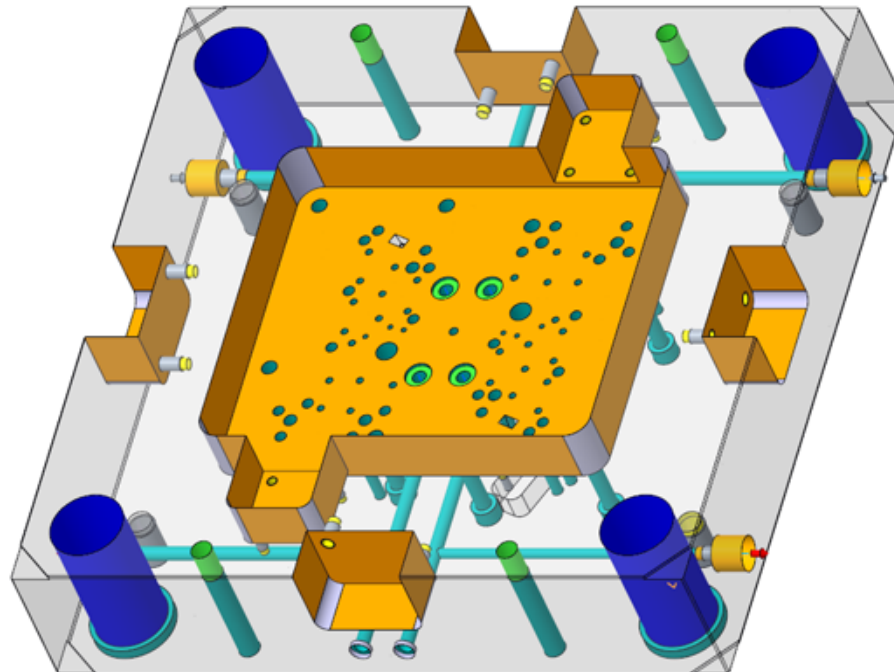


Enhancements

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- 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[®]
NORMALIEN

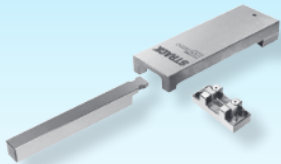
Entformungselemente – indirekt | Demoulding elements – indirect
Éléments de démoulage – indirects

Klinkenzüge

Latch locks

Ouvres-moules

DLC 

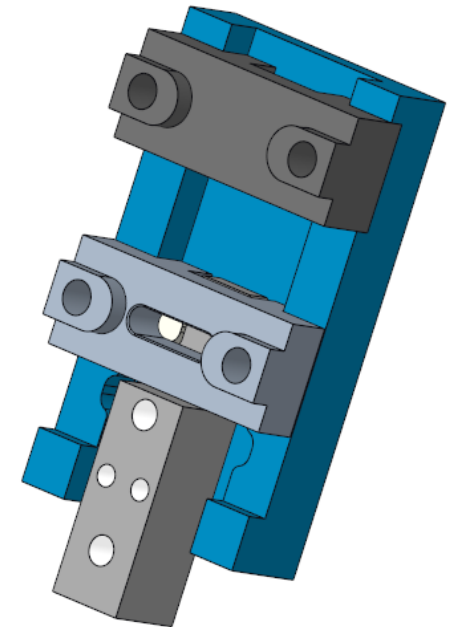
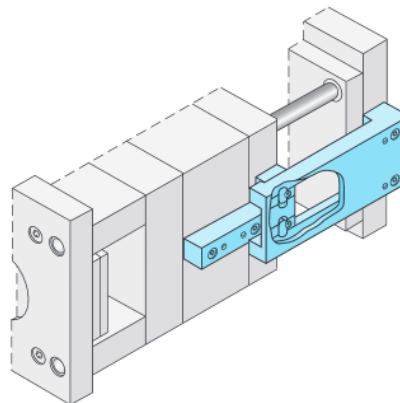


Z4-1-

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

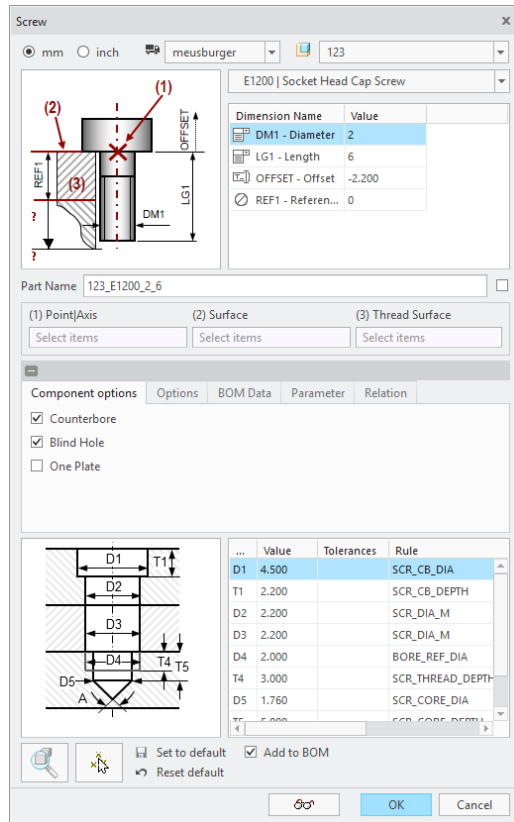


Z4-1-Type

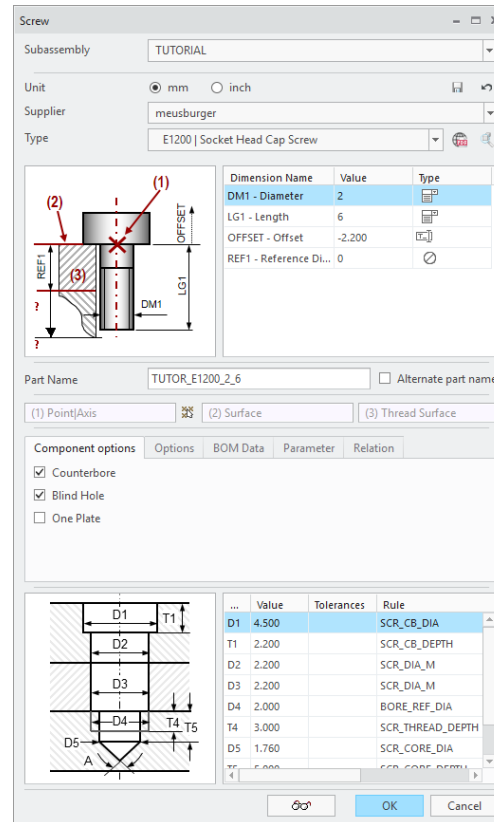


Enhancements

Streamlined UI of Component Dialog:



- Old



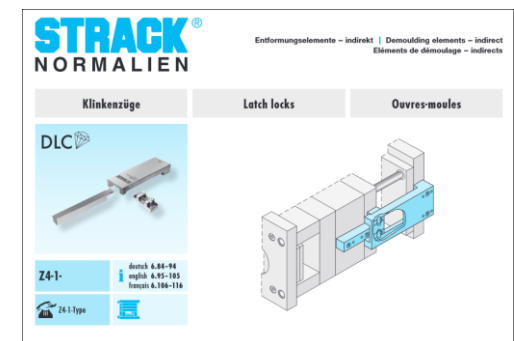
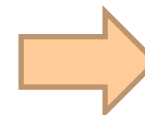
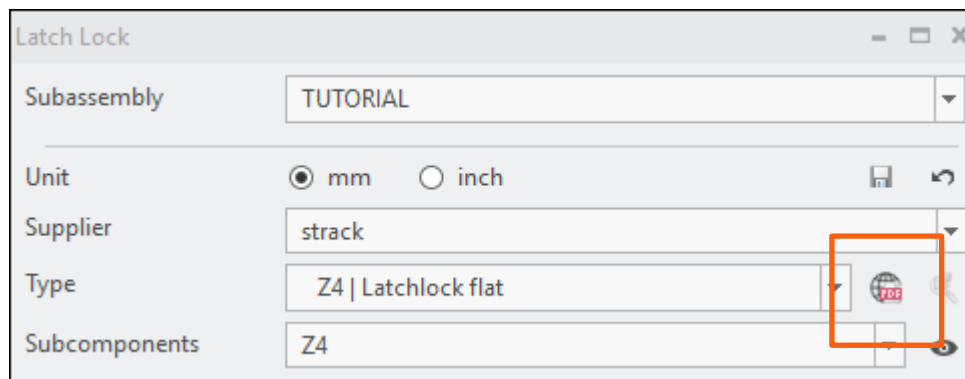
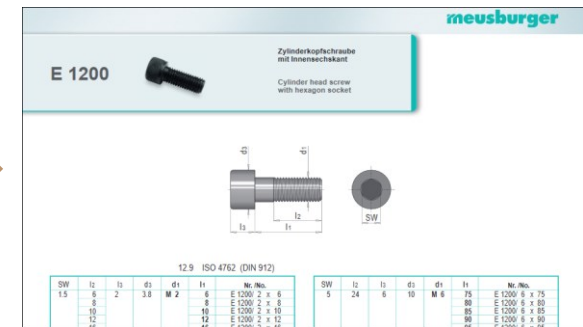
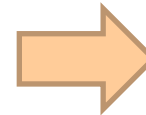
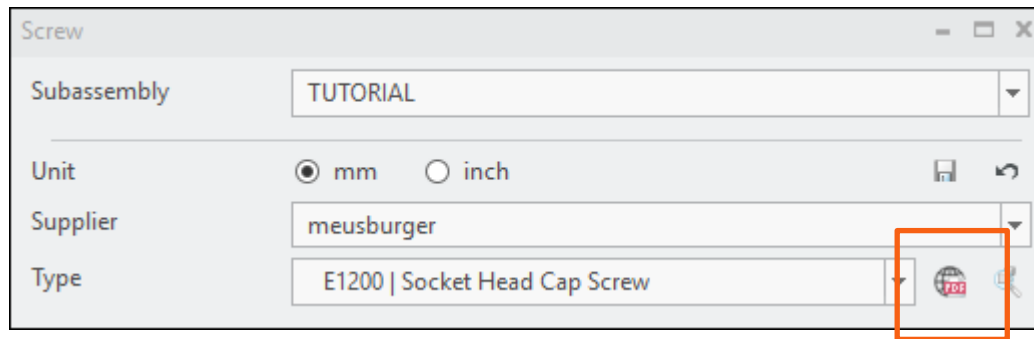
- New

- 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:

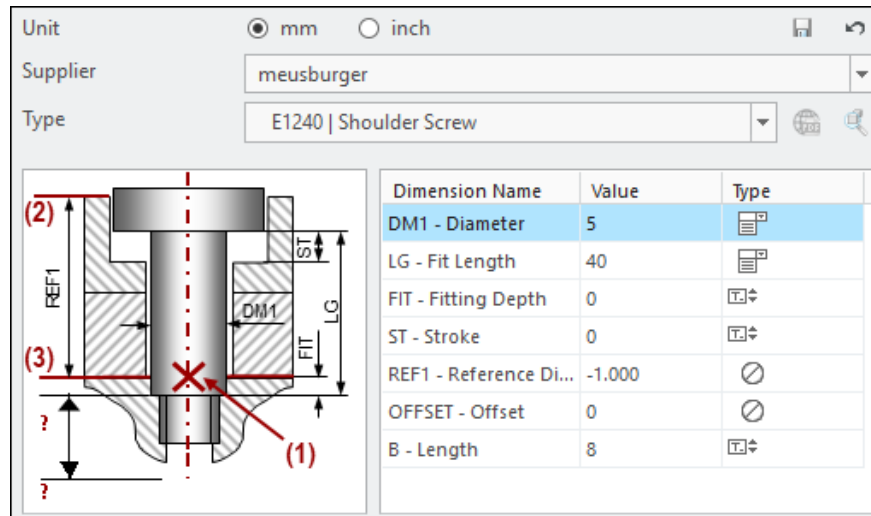
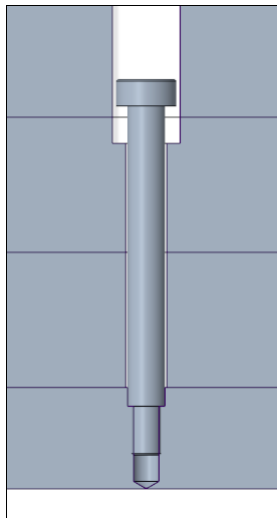
- 539111, 39111DLC and 39414

New KNARR insulation plates:

- 77335 and 77336

Improved shoulder screw functionality:

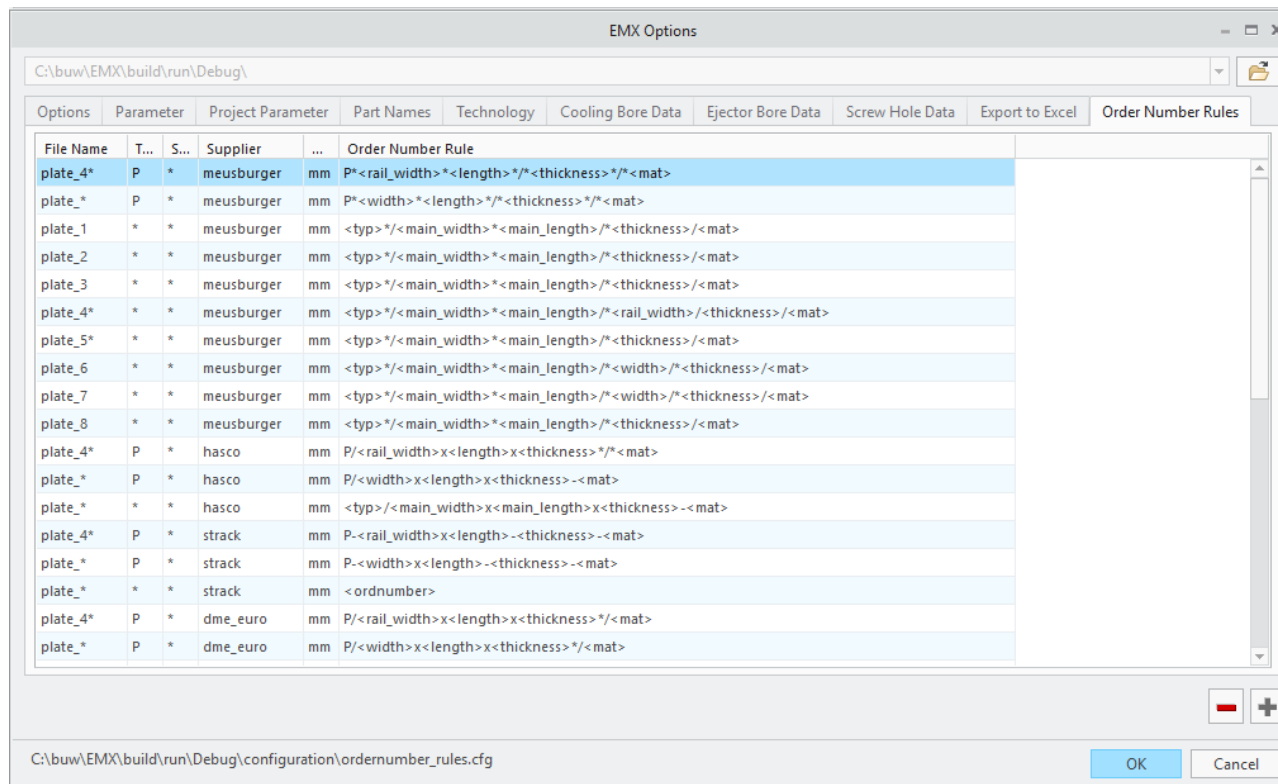
- Meusburger E1240, Hasco Z38, Knarr 40038, DME WZ412 and DIN 7379



Enhancements

New configuration section: Define custom order number rules

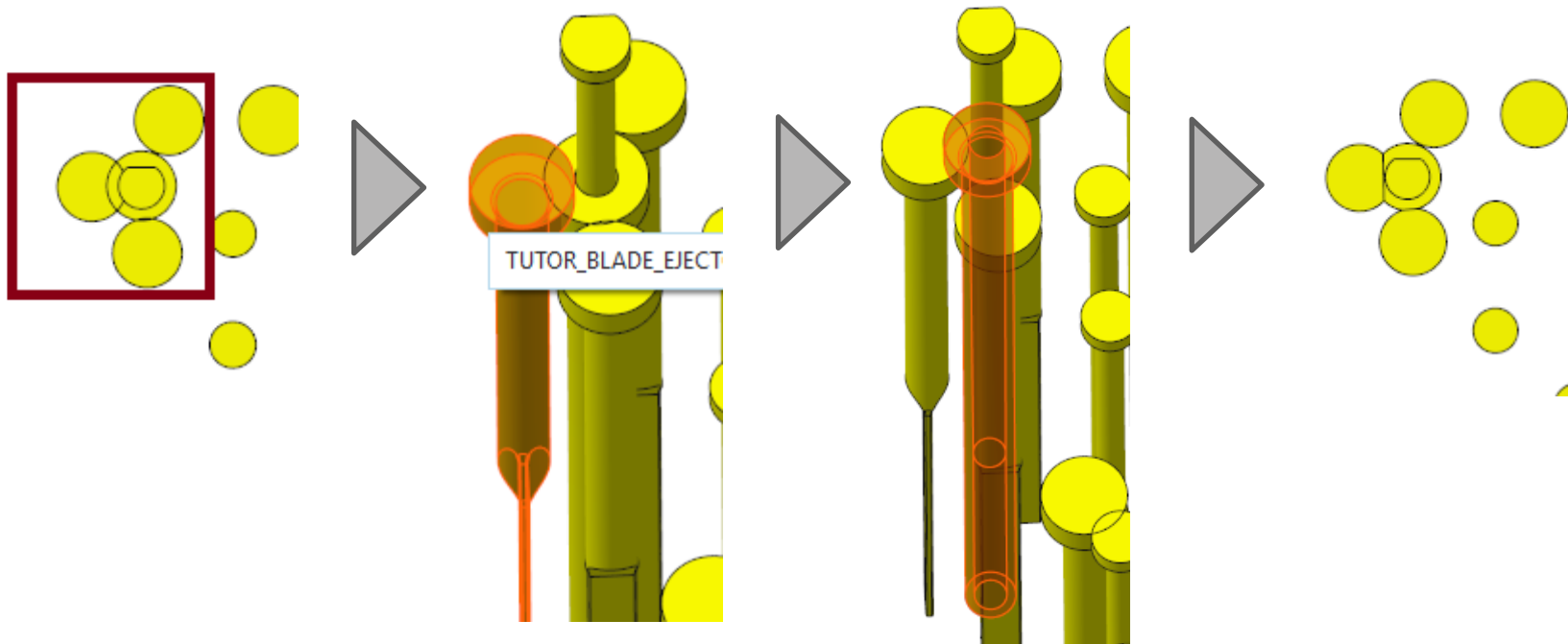
- Rules can now be different for different suppliers, type, units and file names



Enhancements

New Feature: Trim Ejector Pin heads against each other

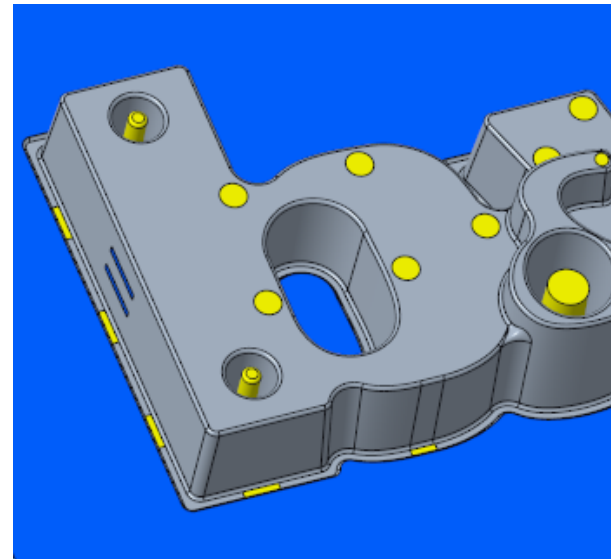
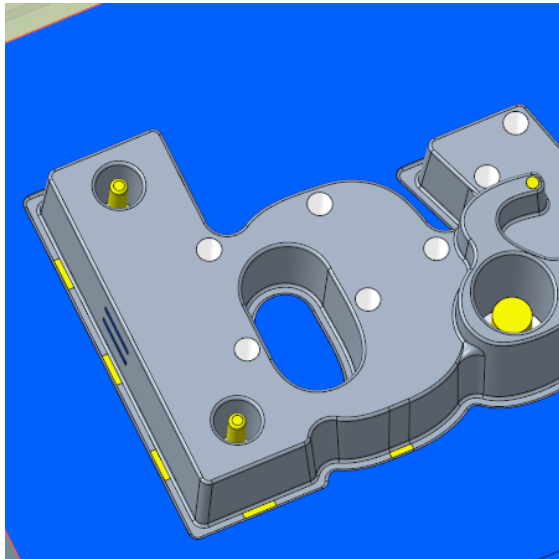
- Interfering ejector pin heads can be trimmed by selecting to different ejector pins



Enhancements

New Feature: Update Existing Ejector Pins Dialog

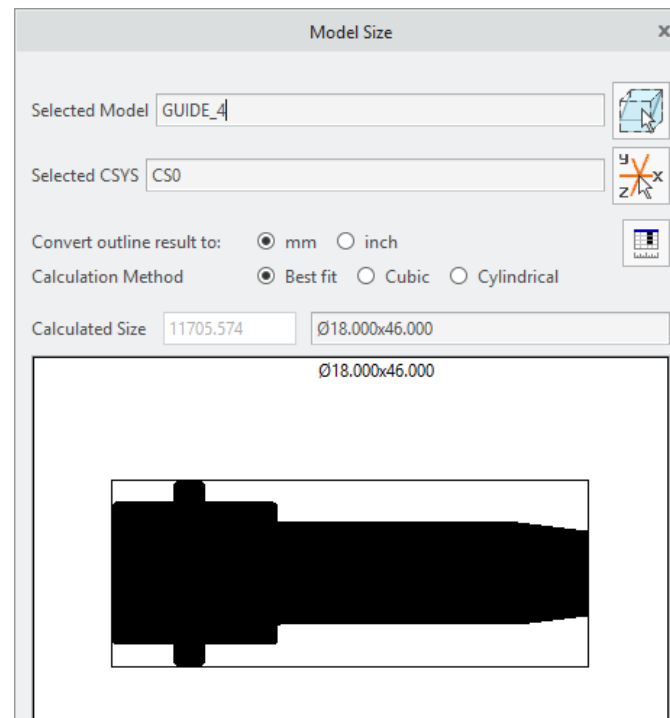
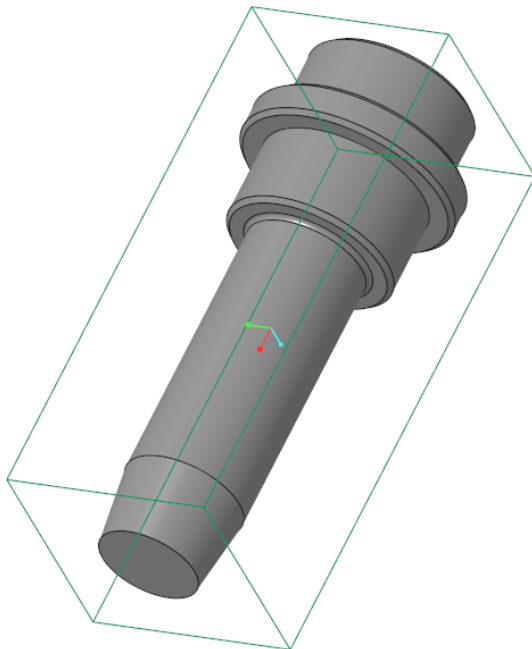
- New command in Ribbon
- Update ejector pins length and order number in case required reference distance has changed.



Enhancements

Improvement for Model Size Dialog

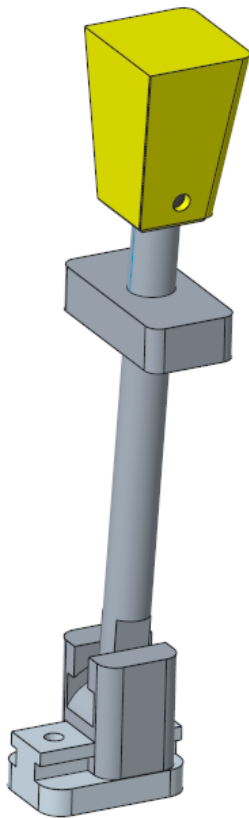
- Display outline values in drawing area
- Allow user to toggle between cubical and cylindrical result in case cylindrical result was determined.
- Improve algorithm to detect cylindrical parts



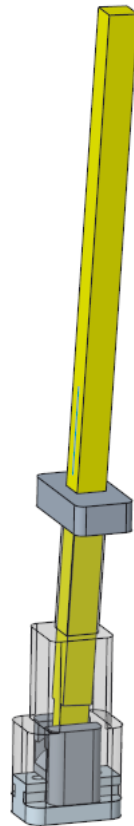
Enhancements

New MEUSBURGER Lifter assemblies added

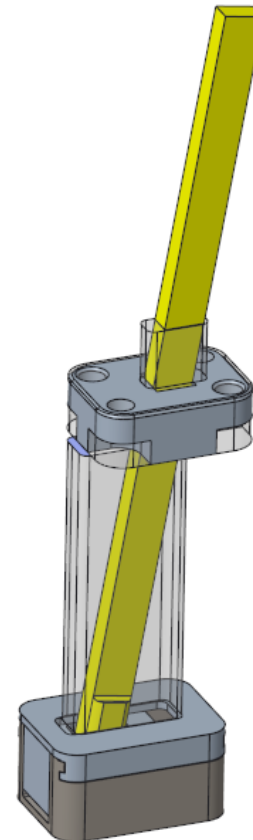
- Additional improvement: Trimmed body can be displayed in Preview



- E3244 + E3240



- E3246 + E3240

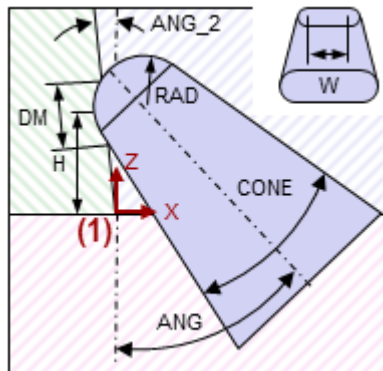


- E32481 +
E3248 +
E3249

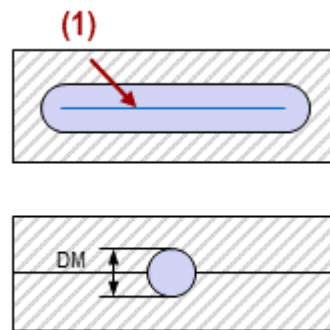
Enhancements

New Runner Library Components

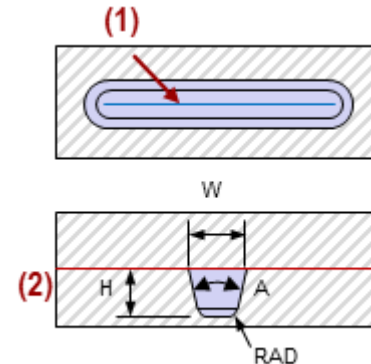
- With the new library components and UDFs runners can be designed easily.



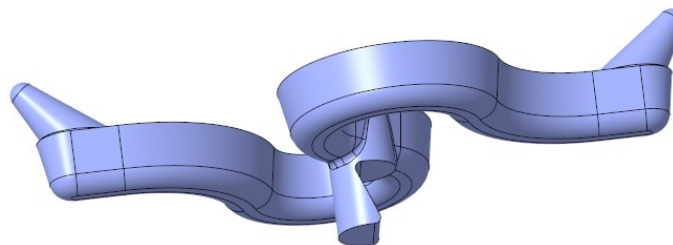
- Conic Gate



- 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 in the bottom right corner consisting of a thick grey curved line and a thinner orange curved line.

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 graphic element in the bottom right corner consisting of a thick grey curved line and a thinner orange curved line.

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

REF1 - Referen... 0

Part Name 123_EJECTOR_PIN010

(1) Point (2) Surface (3) Orientation Surface

Select items DATUM PLANE:F111(EMX_EJ DATUM PLANE:F6(MOLDB

Component options Options BOM Data Parameter Relation

☐ Trim to quilt/refmodel ☒ With chamfer

☒ Auto Length ☐ Straight hole to second surface

☐ As core pin in one plate

Fix Rotation

☐ Individual ejector models on each point