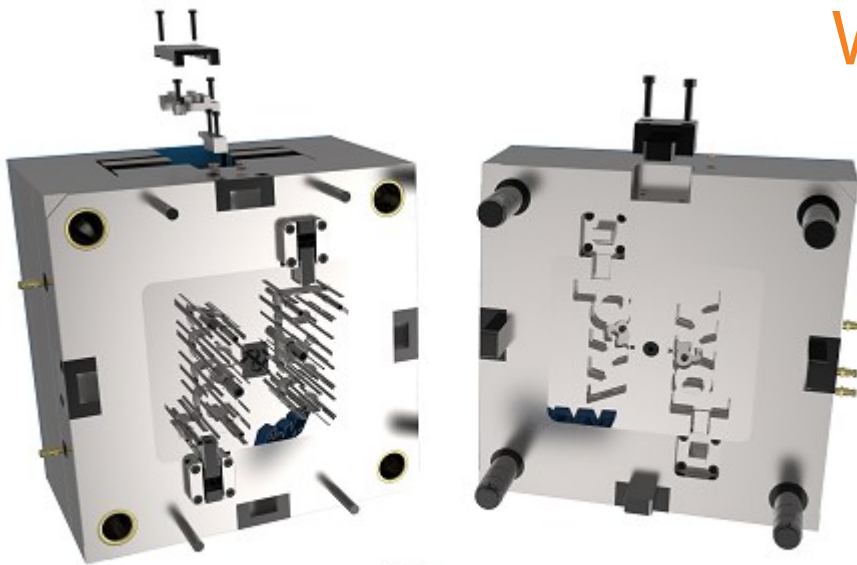


EMX 13.0.0.0

What's New?

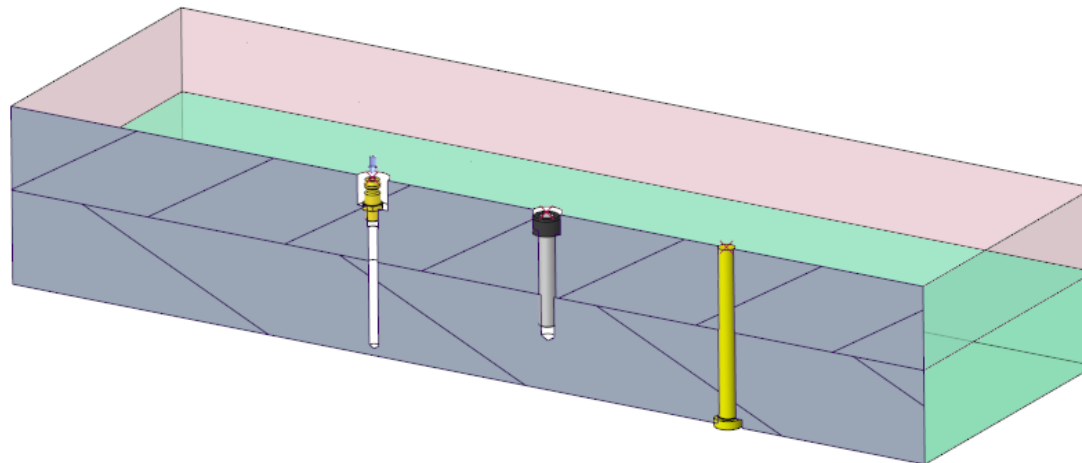


Enhancements

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:

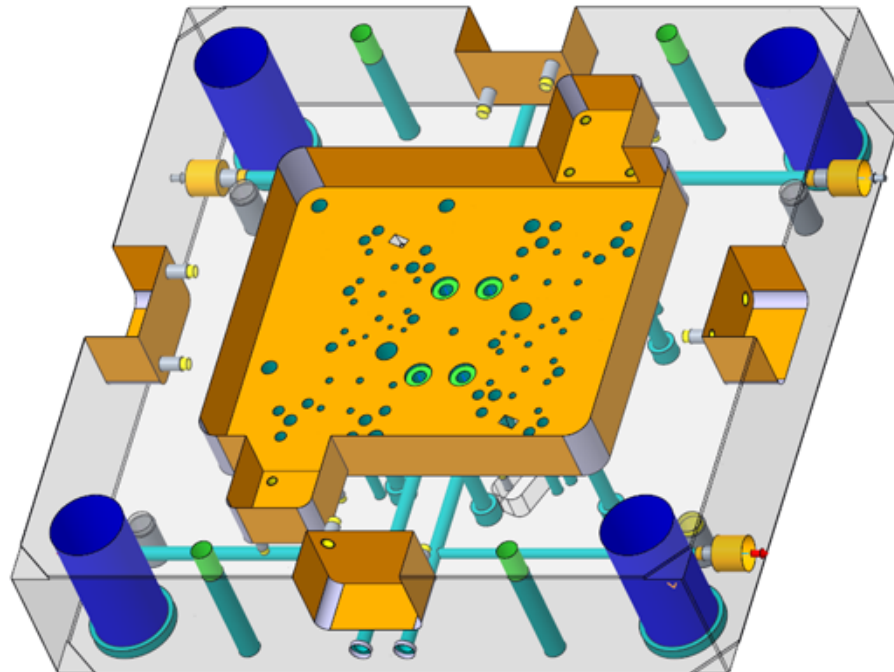
- This config file can be used to overwrite the content of the `USER_NUMBER` parameter based on supplier, category, type and instance of a component.
- This allows the configuration of customer number values without modifying the component `*dat` files at all.

Enhancements

EMX is now SMARTColor ready!

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

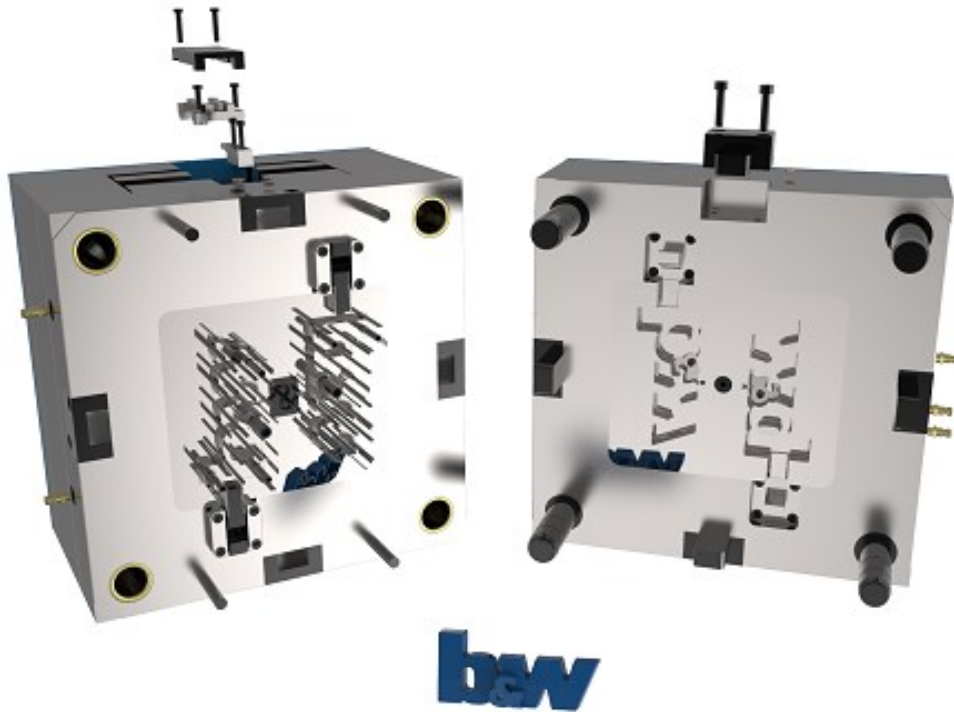
	R 192 G 192 B 192	$\sqrt{Ra\ 0.8-6.3}$
	R 0 G 175 B 175	$\pm 0,10$ $\sqrt{Ra\ 6.3}$
	R 255 G 175 B 0	$\pm 0,10$
	R 255 G 255 B 0	$\pm 0,10$
	R 0 G 0 B 255	H7 $\pm 0,01$ $\sqrt{Ra\ 1.6-3.2}$
	R 183 G 183 B 220	$\pm 0,10$ $\sqrt{Ra\ 6.3}$
	R 64 G 255 B 64	$\pm 0,05$ $\sqrt{Ra\ 3.2}$
	R 255 G 128 B 0	$\pm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



Enhancements

New EMX Tutorial is now available!









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

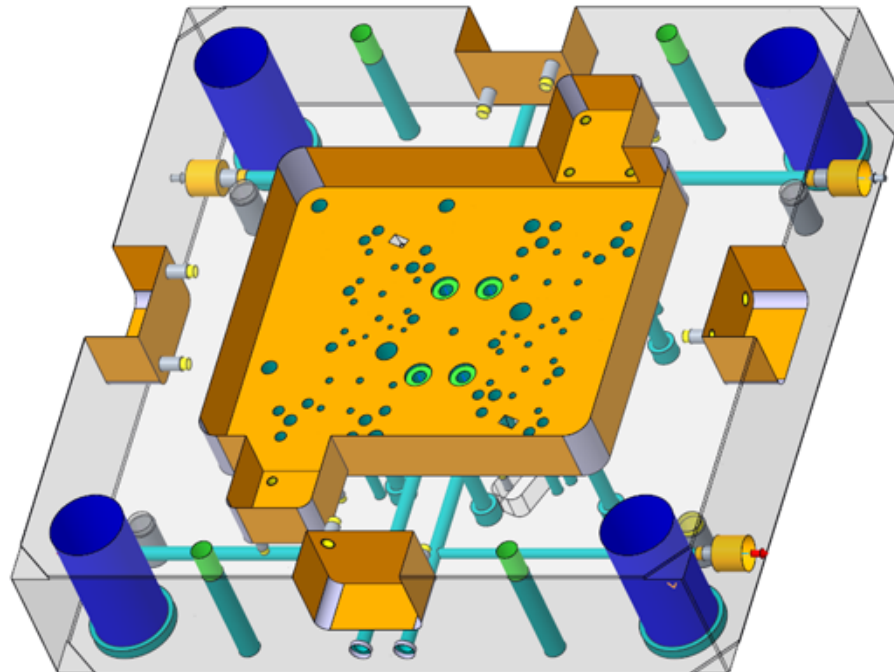


Enhancements

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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

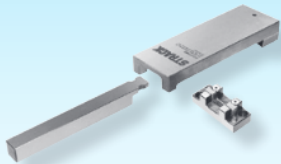
Entformungselemente – indirekt | Demoulding elements – indirect
Éléments de démoulage – indirects

Klinkenzüge

Latch locks

Ouvres-moules

DLC 

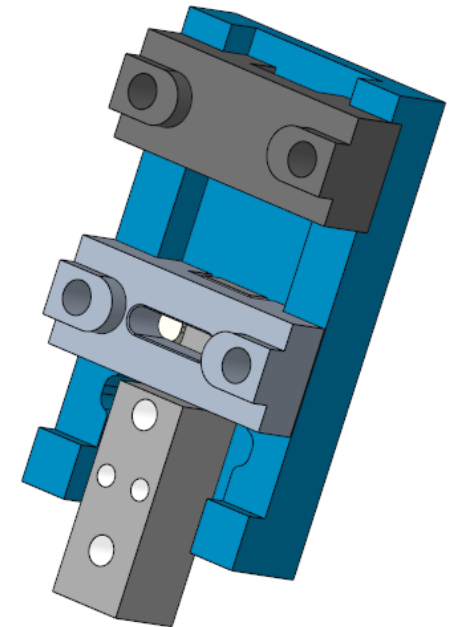
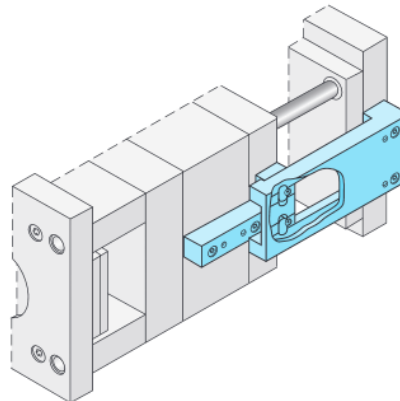


Z4-1-

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

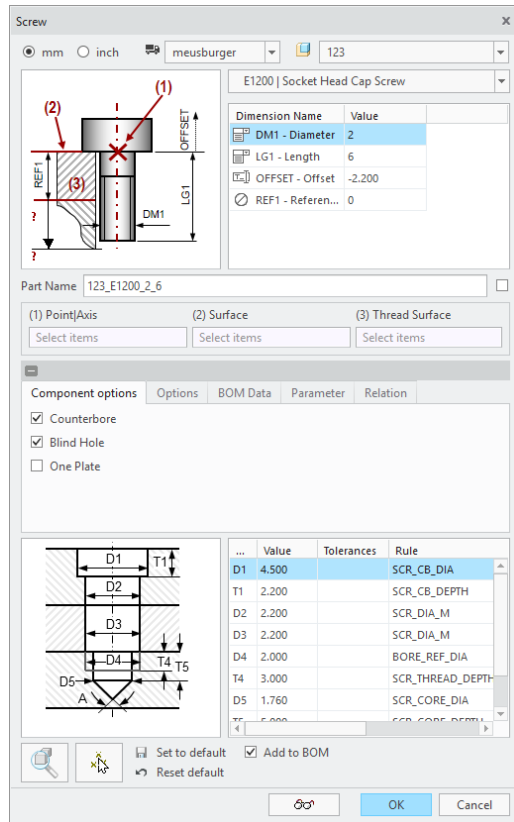


Z4-1-Type

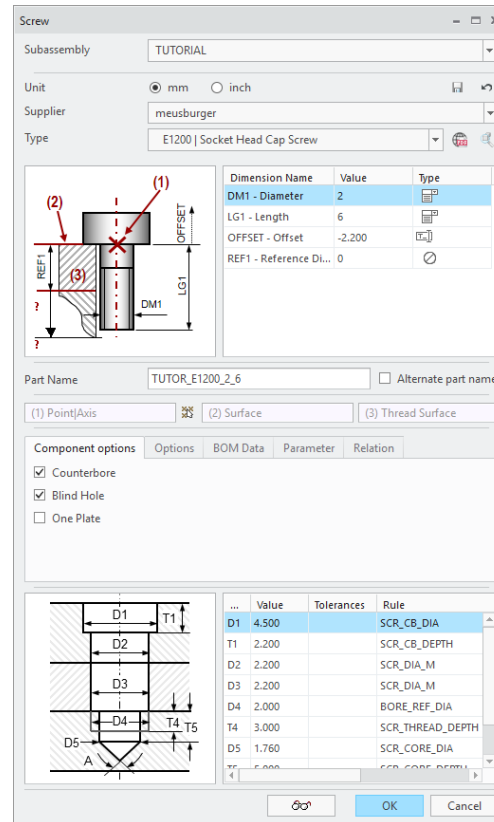


Enhancements

Streamlined UI of Component Dialog:



- Old



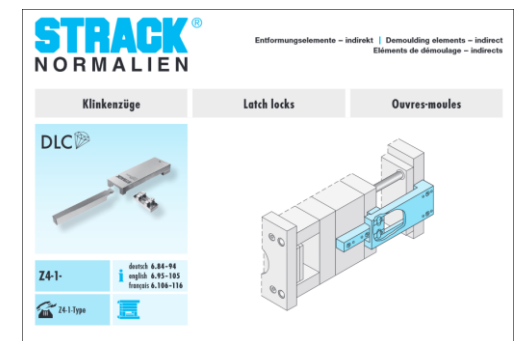
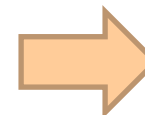
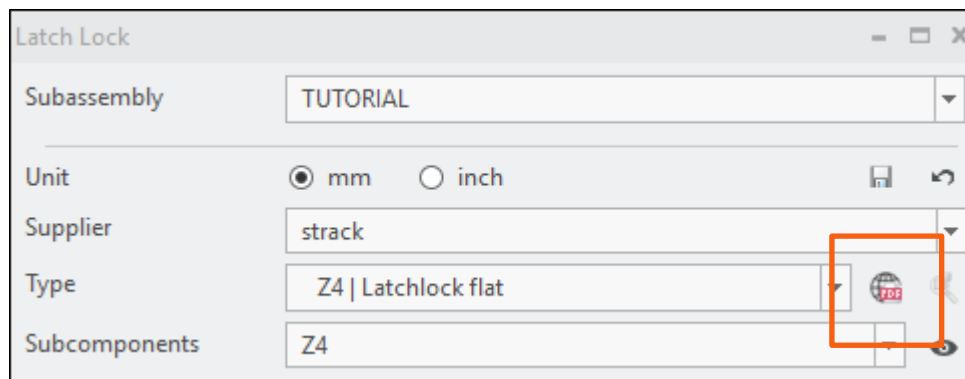
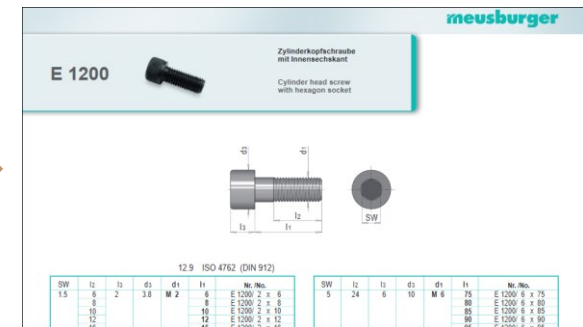
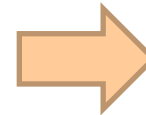
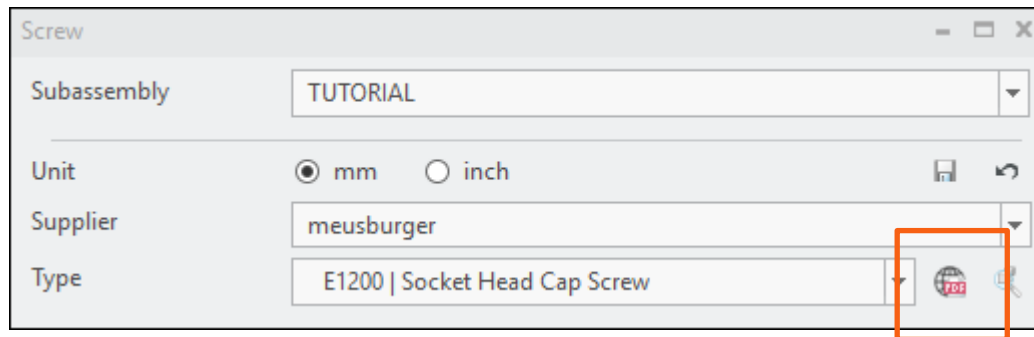
- New

- 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:

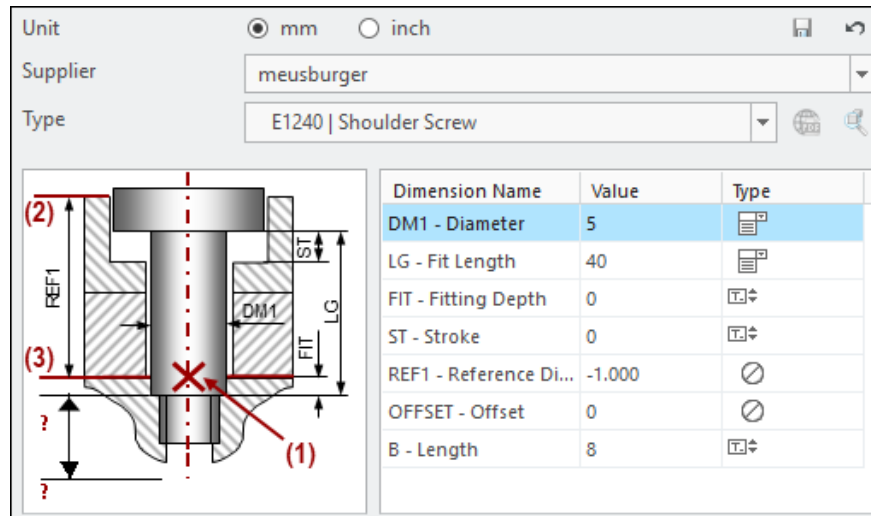
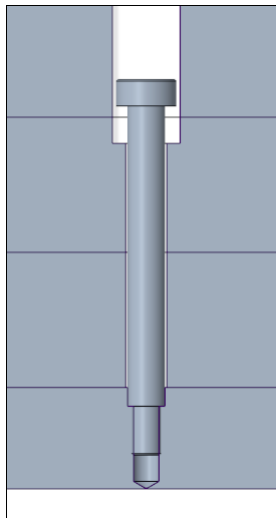
- 539111, 39111DLC and 39414

New KNARR insulation plates:

- 77335 and 77336

Improved shoulder screw functionality:

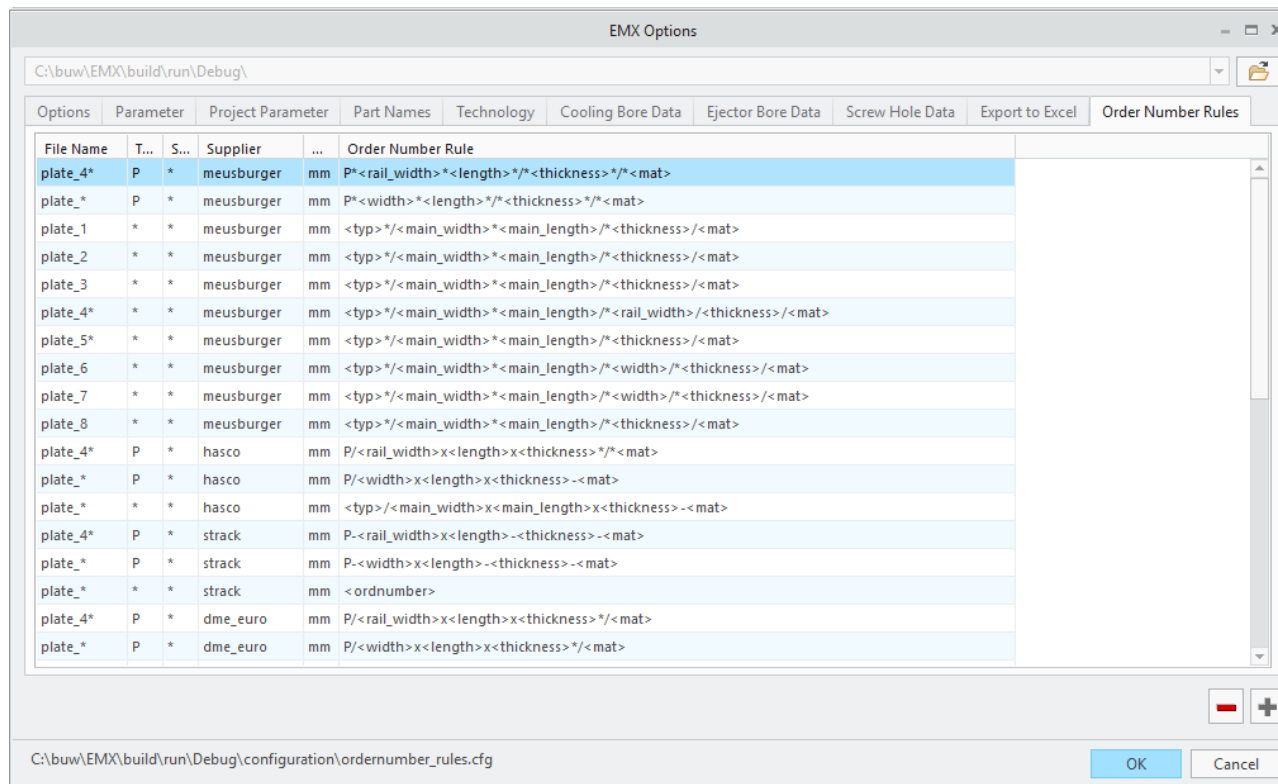
- Meusburger E1240, Hasco Z38, Knarr 40038, DME WZ412 and DIN 7379



Enhancements

New configuration section: Define custom order number rules

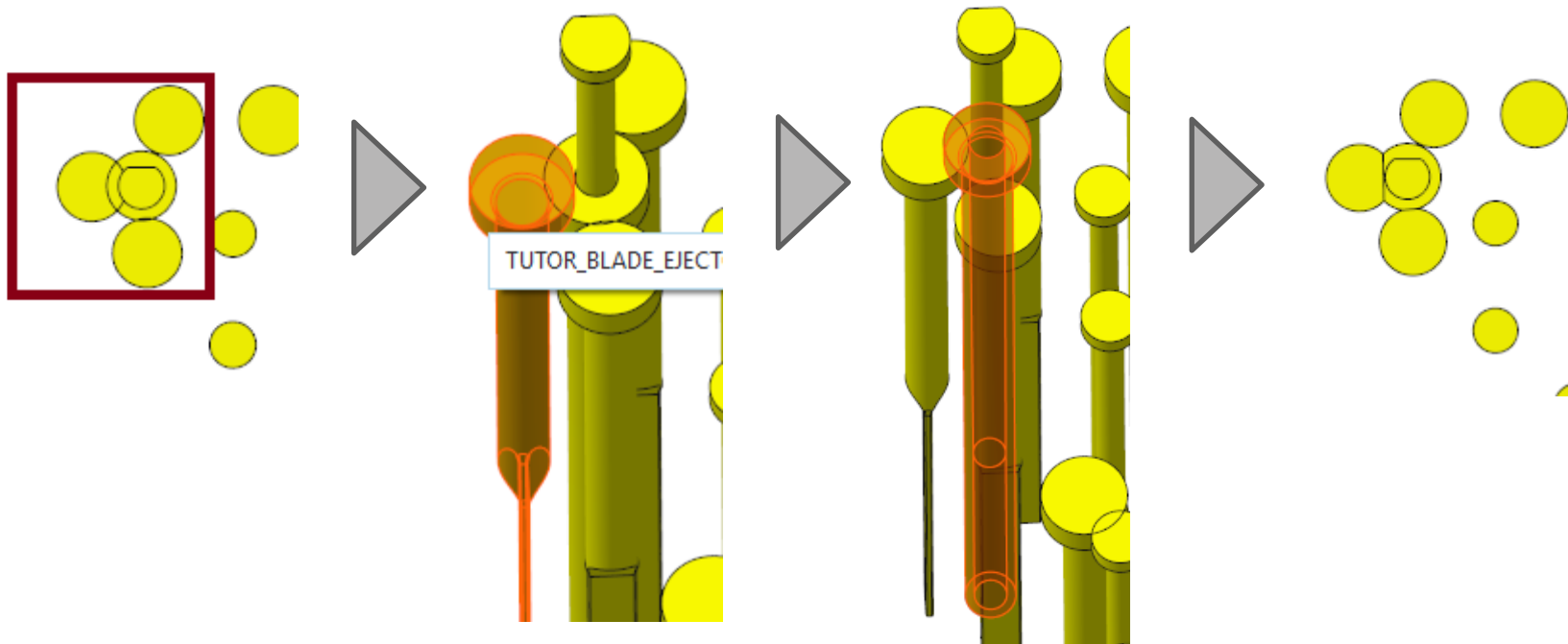
- Rules can now be different for different suppliers, type, units and file names



Enhancements

New Feature: Trim Ejector Pin heads against each other

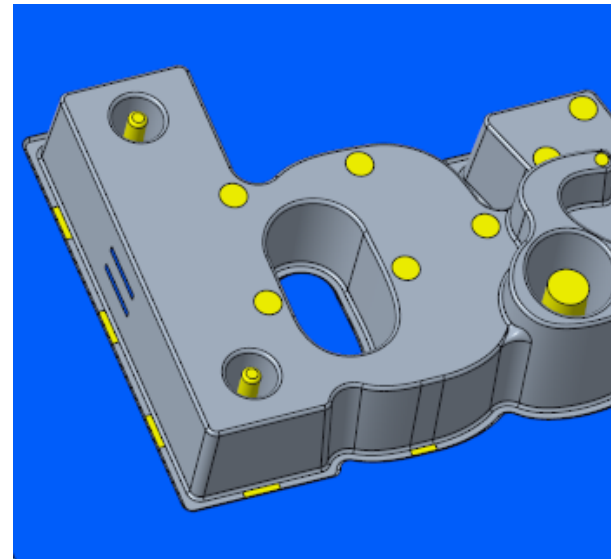
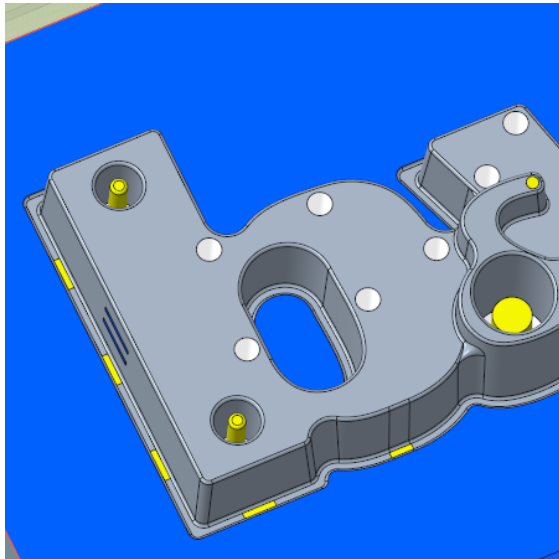
- Interfering ejector pin heads can be trimmed by selecting to different ejector pins



Enhancements

New Feature: Update Existing Ejector Pins Dialog

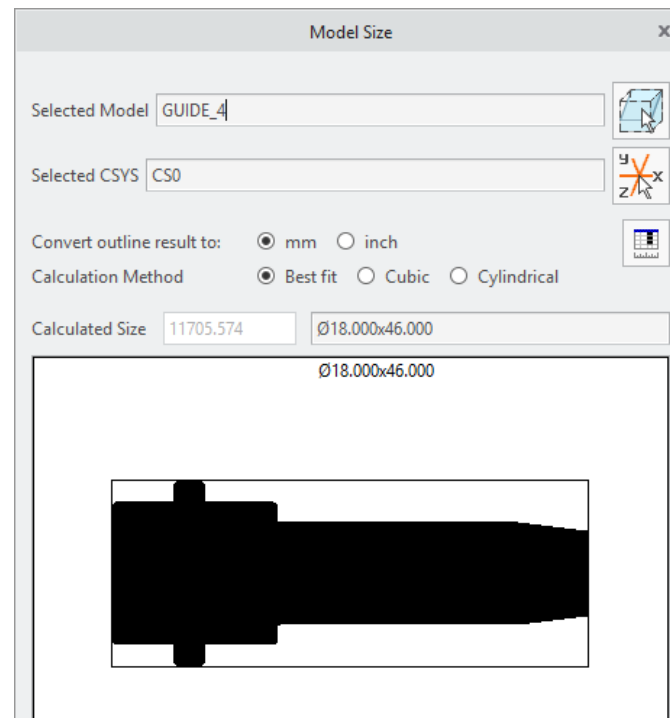
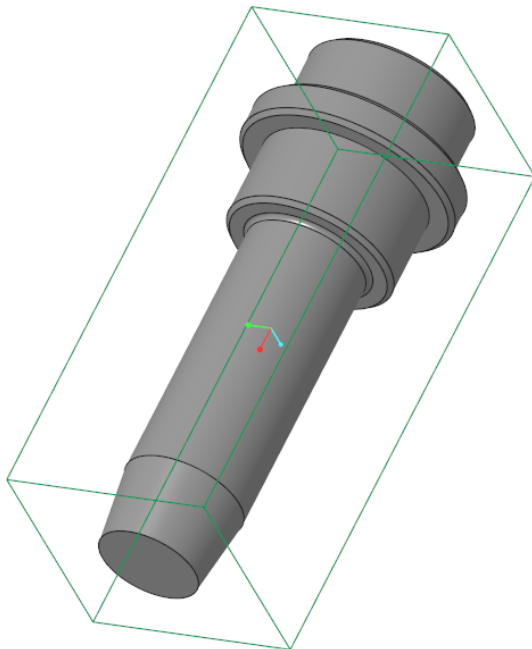
- New command in Ribbon
- Update ejector pins length and order number in case required reference distance has changed.



Enhancements

Improvement for Model Size Dialog

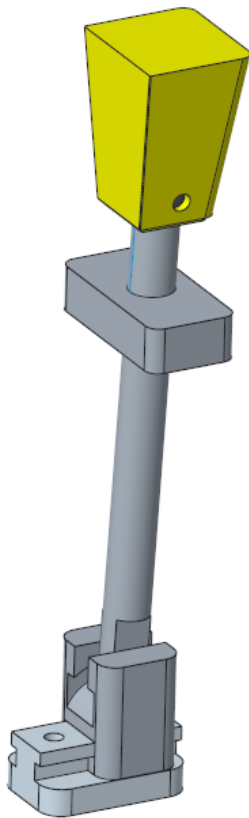
- Display outline values in drawing area
- Allow user to toggle between cubical and cylindrical result in case cylindrical result was determined.
- Improve algorithm to detect cylindrical parts



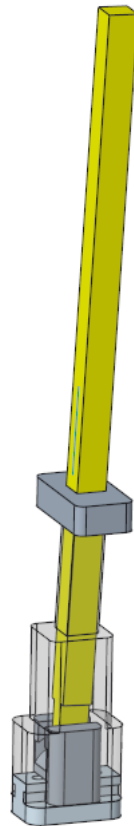
Enhancements

New MEUSBURGER Lifter assemblies added

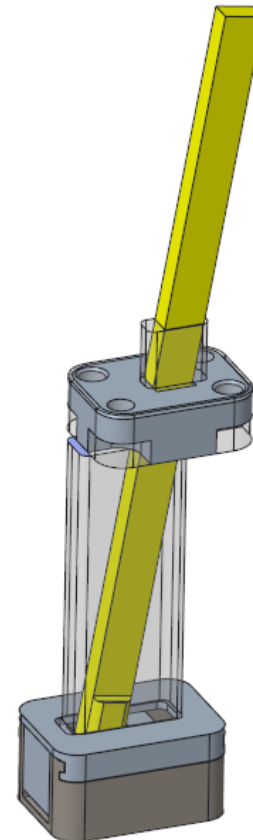
- Additional improvement: Trimmed body can be displayed in Preview



- E3244 + E3240



- E3246 + E3240

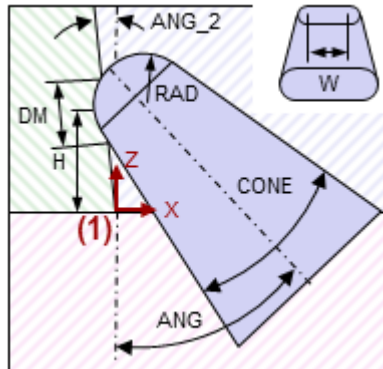


- E32481 +
E3248 +
E3249

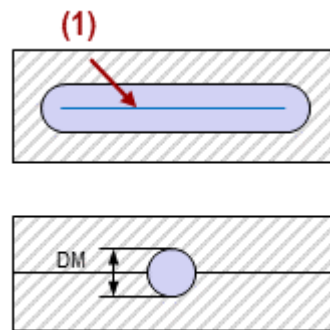
Enhancements

New Runner Library Components

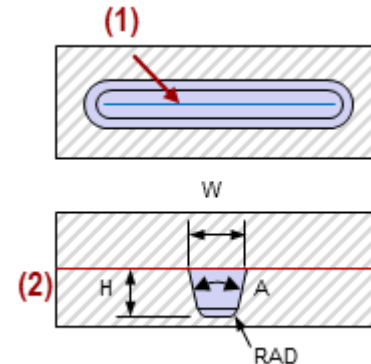
- With the new library components and UDFs runners can be designed easily.



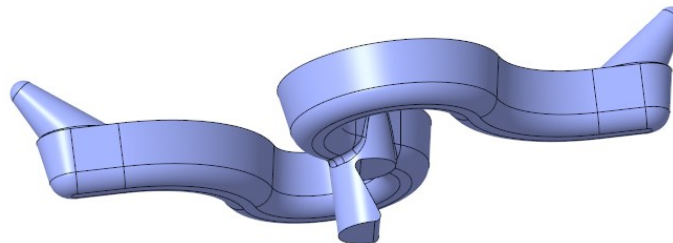
- Conic Gate



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

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