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Trimble bruker dagene 2019 - Lillestrøm

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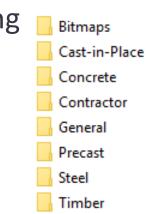


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# **Changes in Tekla installation**

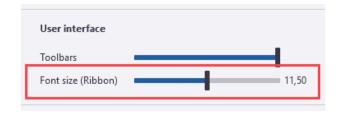
- Folder structure under \ProgramData and under \Users now contains Trimble : C:\ProgramData\Trimble\Tekla Structures\2019.0
- The <u>environment folder structure</u> renewed easier to keep folder up to date. \Concrete , \Steel , \Engineering \General folder
- New Bridge Designer role
   BRIDGES
   Bridge Greator
   Beam Extruder
   Main Bars Cross Bars
   Stirrups

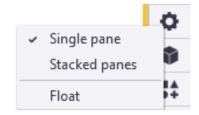




# Start screen, Side pane, Ribbon font...

|           |                             | 上 Login 🚽 🗆 🕽      |       |   |
|-----------|-----------------------------|--------------------|-------|---|
| -         | <b>Tekla</b> S <sup>.</sup> | tructures          |       | `©•Trimble.   |
| Recen     | t All models                | Shared models      | 🖞 New | Your current Tekla Structures setup:<br>Environment:<br>default |
| NAME      | CREATED                     | MODIFIED           | USERS | Role:<br>All  |
| New model | <b>1</b> 7.9.2017 8.44.44   | 4.12.2018 12.21.22 | +     | Configuration:  |
| New model | <b>2</b> 7.9.2017 9.40.49   | 4.12.2018 12.20.14 | 1     |   |





### Project properties

General

| Project number | TR-5             |
|----------------|------------------|
| Name           | TEKLA BRUKER DAG |
| Builder        | Contractor       |
| Object         |                  |



# Part labels, clip planes, window options

| 🐖 Display             |  |          | ×   |            |
|-----------------------|--|----------|---|------------|
| Settings Advanced     |  |          |   |            |
| Visibility            |  |          |   | X          |
| Part center line      |  |          |   |            |
| Part reference line 🗌 |  | _        |   | Clip plane |
| Part label 🖂          |  | Show for | Selected V  |            |
|                       | Properties<br>Assembly position<br>Part position<br>Cast unit position<br>Material<br>Name<br>Profile<br>Class<br>User-defined attribute |          | All<br>Selected<br>Main part for selected<br>Main part for all<br>Add > | Clip plane |
|                       |  |          |   | - 8 ×      |





# Select by identifier

- Find objects based on the specific GUIDs or Ids
- Works good also on IFC GUIDs or IFC reference objects
- Find a model object in a drawing
- Find a drawing object in a model



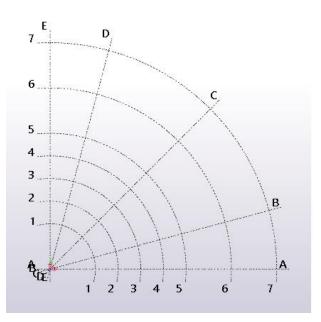
| Select by identifier >   |     |       |   |      |  |  |
|--|-----|-------|---|------|--|--|
| 4efc1921-0000-000d-3133-323531353134<br>4efac5d4-0002-1691-3133-323530363130<br>4efc1921-0000-0031-3133-323531353134<br>506929d7-0000-01ff-3133-343930373739 |     |       |   |      |  |  |
| Reference<br>Keep Sele<br>Zoom to s  |     |       |   |      |  |  |
| Select   | Get | Clear | C | lose |  |  |



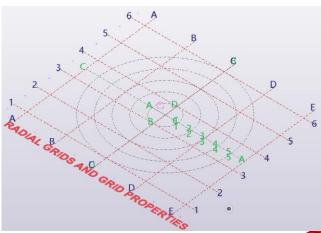
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# **Radial grids and grid properties**

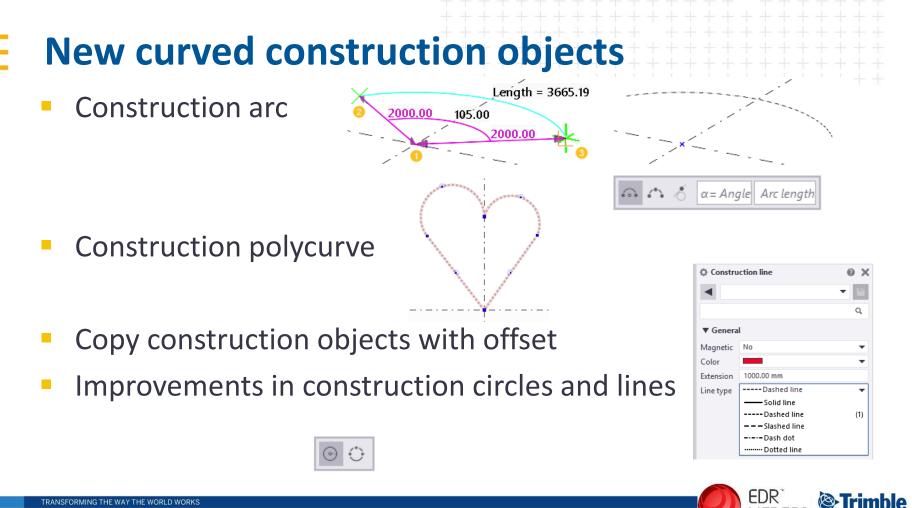
- Grid color and Label font size and color = Property Pane
- Radial grid



| ▼ Grid color                |           |  |  |  |  |
|-----------------------------|-----------|--|--|--|--|
| Color                       | 193 59 59 |  |  |  |  |
| ▼ Label font size and color |           |  |  |  |  |
| Font size                   | 20        |  |  |  |  |
| Font color                  | 56 57 130 |  |  |  |  |



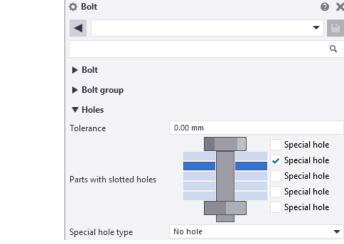




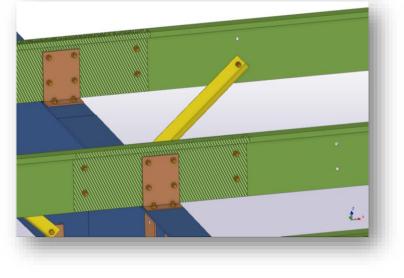
#### TRANSFORMING THE WAY THE WORLD WORKS

### **Modelling improvements**

- Ortho snapping
- Improvements in bolt holes



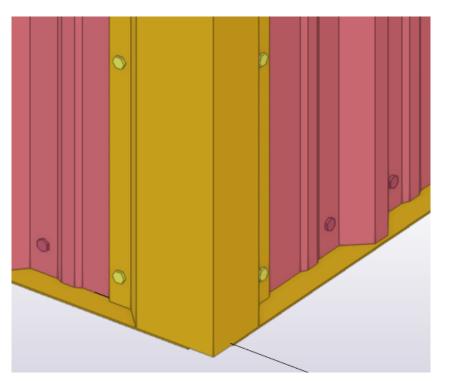




# Screws, Nails, 'Self tapping' fasteners

### Set all layers to create no hole

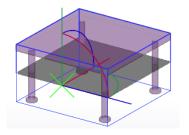
- Marks, drawings, and NC of the parts and assemblies are unaffected
- Truly accurate quantities can be obtained for fasteners





# **Modelling improvements**

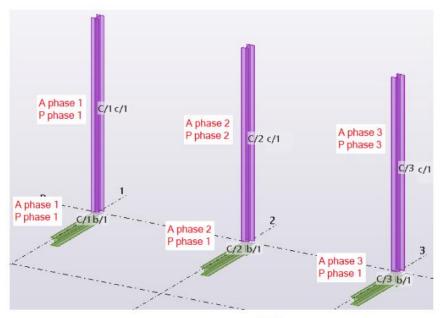
Improvements in placing items in the model



Model search toolbar

Search using name, profile, material, or position number of model objects. You can use wildcards "", ", [], or ?. PLT10

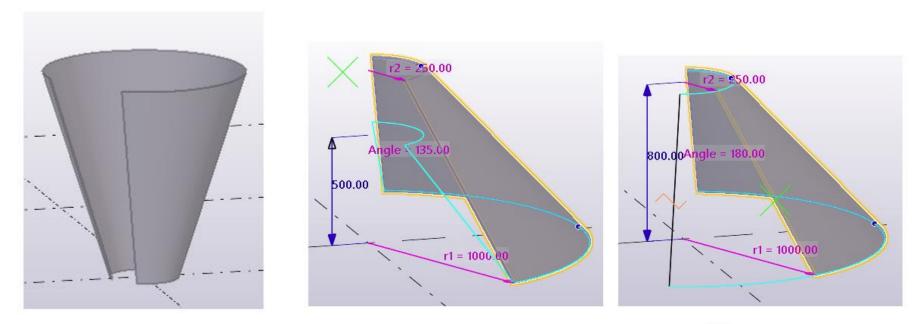
- Numbering improvements
  - Assembly phase!







On the **Steel** tab, click **Plate** > **Create stand-alone bent plate** 





### **Visualizer for Tekla Structures**





# **Improvements in Tekla Model Sharing**

- Version control for drawings
- Check for regional settings
- Printer device settings shared

| <u>,</u> | Changes | list              |     |               |   |   |     |
|----------|---------|-------------------|-----|---------------|---|---|-----|
| Dr       | awings  | Model folder fi   | les |               |   |   |     |
|          |         | Status            |     | Name          |   |   | Тур |
|          | Mod     | lified / Conflict |     | GA-drawing    |   | G |     |
|          |         |                   |     | Open versions | Г |   |     |
|          |         |                   |     |               | _ |   |     |

- Improved sharing perfomance with reference model objects
- Improved handling of conflicting modifications
- Better IT service around Model Sharing

### **ModelChecker**

|                        | ModelChecker v.2.0 - Listing content in model: Test_A              | dvancedGridLabels - TS v 2019 — 🗆 🗙  | $\sim$   |
|------------------------|--|--|--|
|                        | RPT Scan model   | UDA 🖈 ?  | $\leq$   |
|                        | ☑/□ profile ∨  | ☑/□ part name ∨  | ModelChecker   |
|                        | profile<br>3300*200 (1)<br>600*300 (1)<br>HEA300 (2)<br>IPE270 (4) | part name PLASSTØPTBJELKE (1) PLASSTØPTVEGG (1) STÅLBJELKE (4) STÅLSØYLE (2)         |  |
| $\propto$              | Save filter as   | Activate created filter  |  |
| •                      | Reset filters profile-part name                                    | ✓ Ignore numbering status         Create filter           No extra attributes added. |  |
| ModelChecker           | Ready to create filter   |  | <u></u>  |
| TRANSFORMING THE WAY T | HE WORLD WORKS   |  | EDR <sup>®</sup> MEDESO <b>EDR</b> <sup>®</sup> Trimble. |