

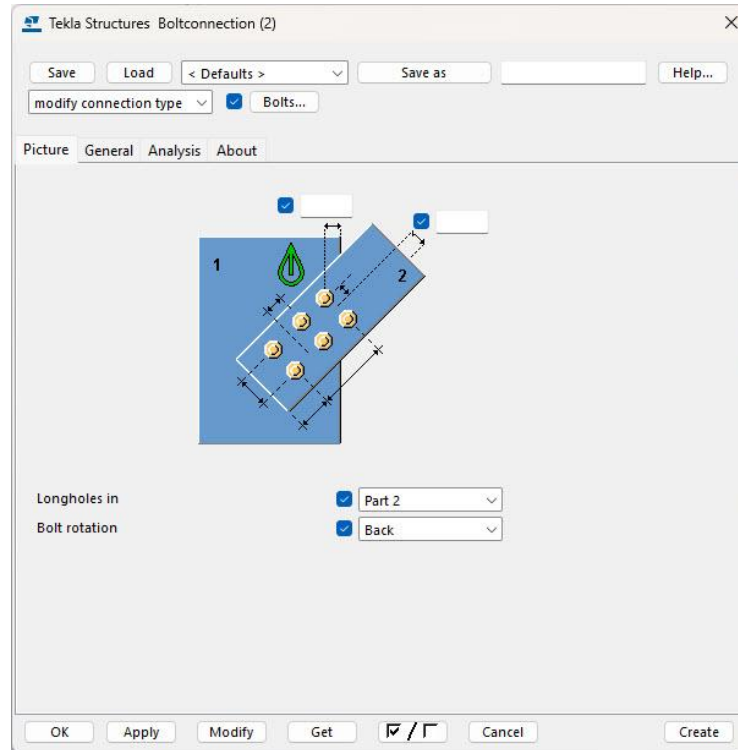
CS Installer

Tools 2025

construsoft

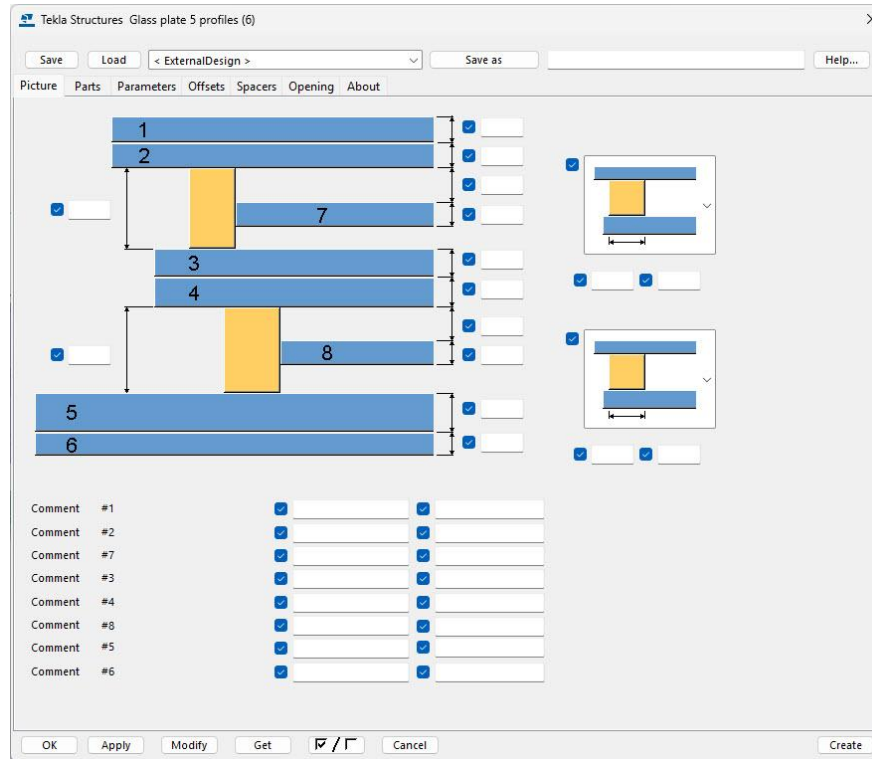
Steel

Bolt connection (2)

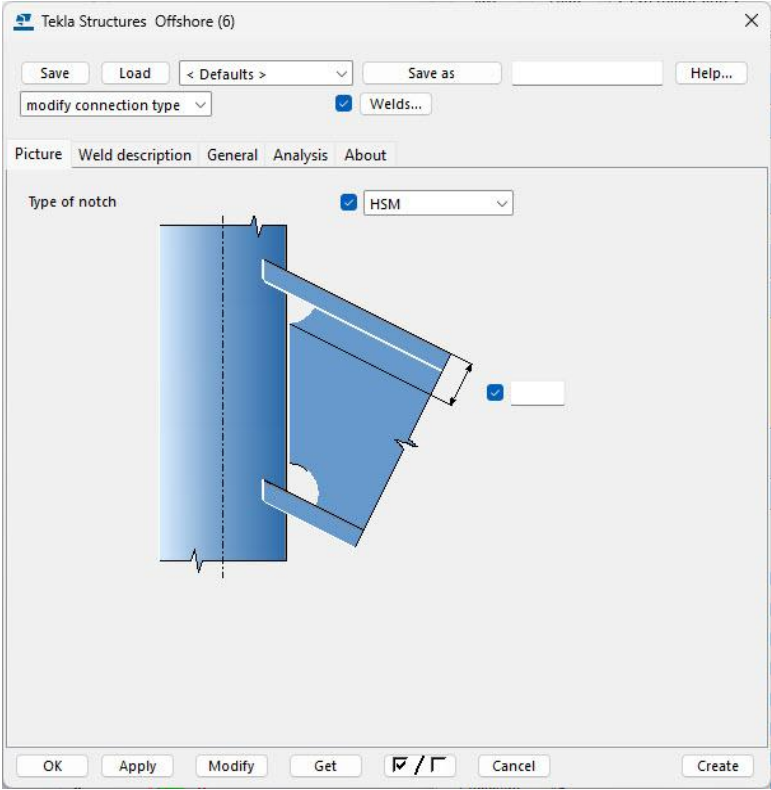


Glass plate 5 profiles (6)

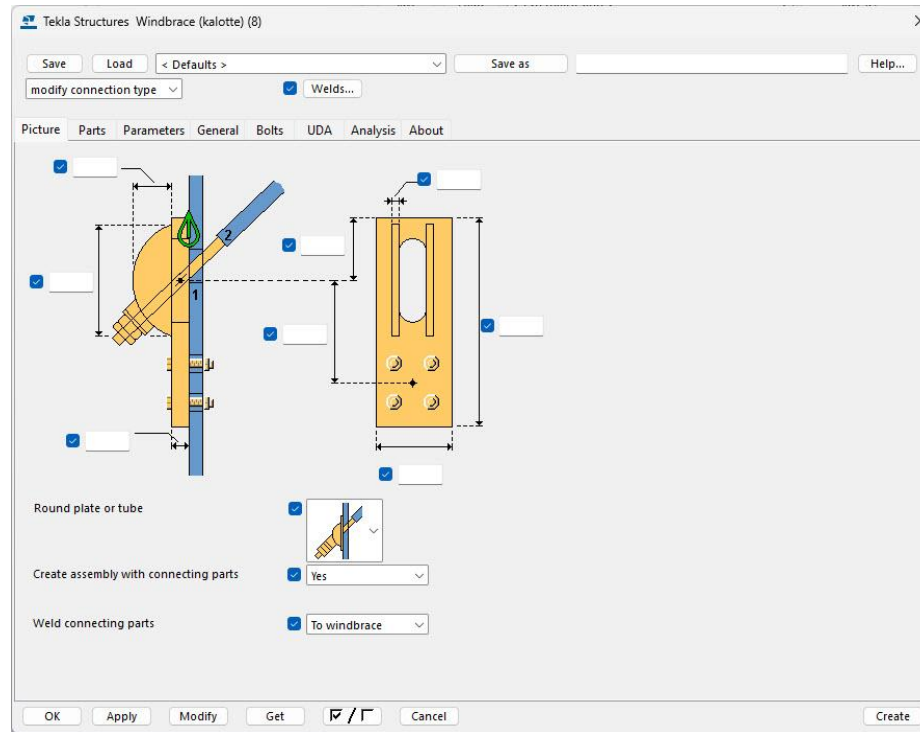
- Creates glassplates inside a window.



Offshore (6)

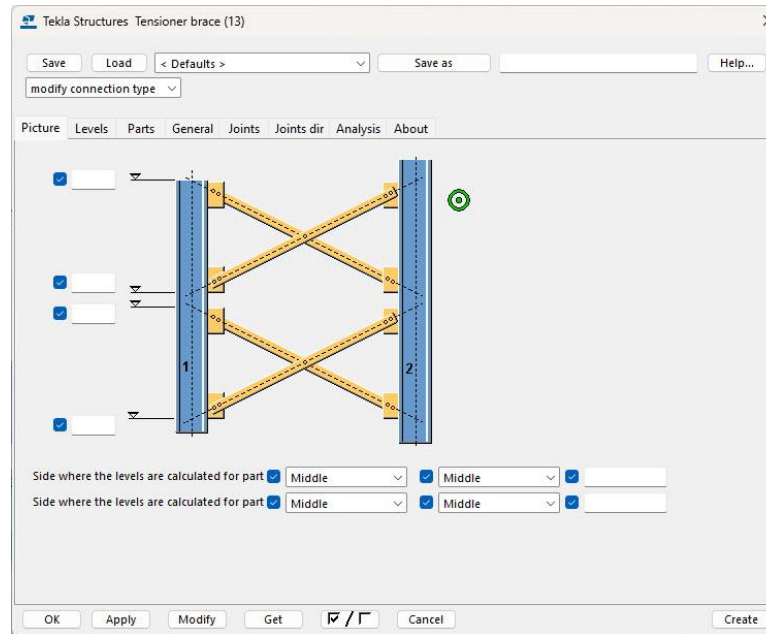


Windbrace (kalotte) (8)



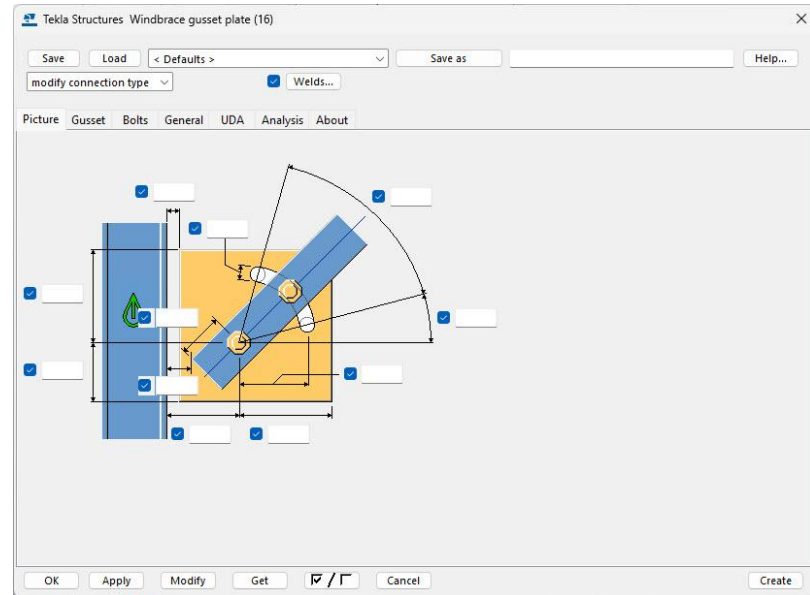
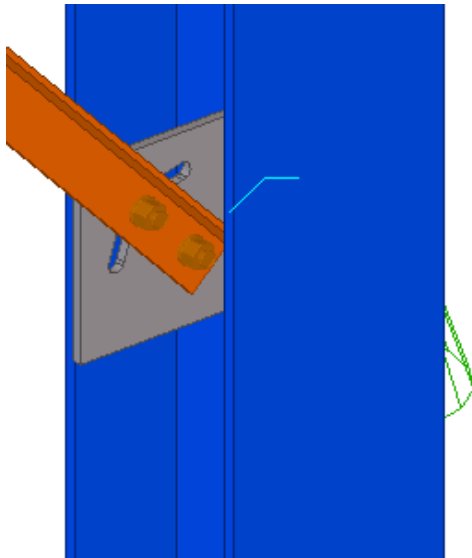
Tensioner brace (13) - joint

- The component tensioner brace (13) can be used for modeling of one or two wind crosses connection between two profiles. In addition to the wind bracing profiles can also be generated directly to the terminals.

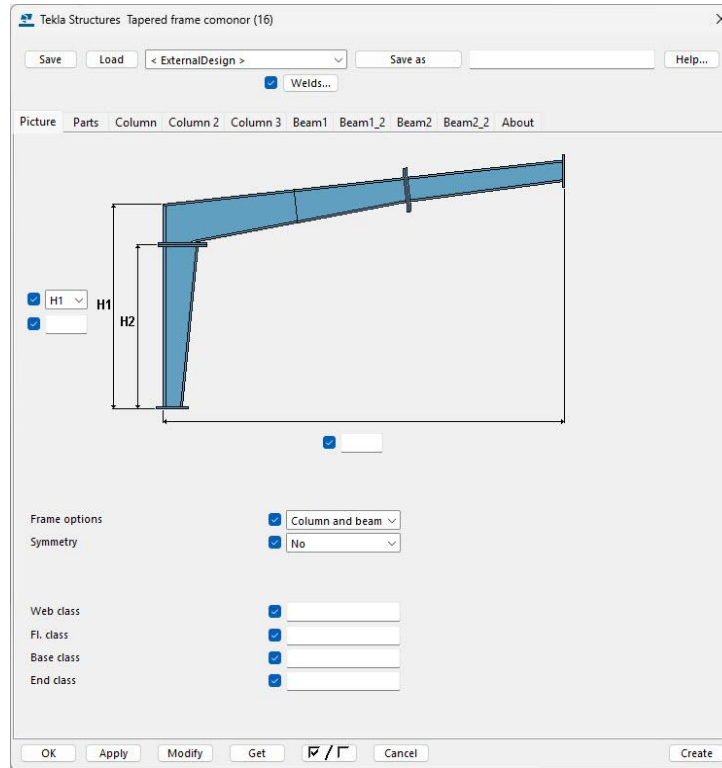


Windbrace gusset plate (16)

- Creates a connection between a Gusset plate and a plate- or L-profiel. These gusset plate has one round hole and one curved slot. The curved hole makes is possible to link the brace's with different angles.

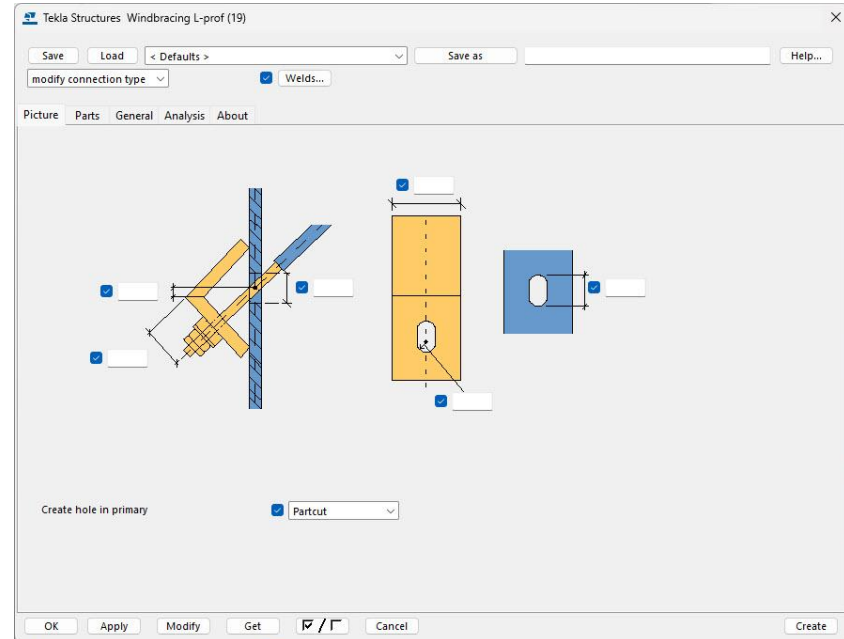
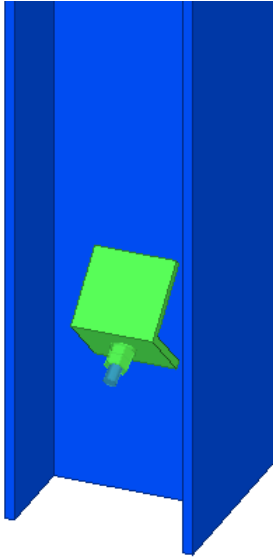


Tapered frame (16)



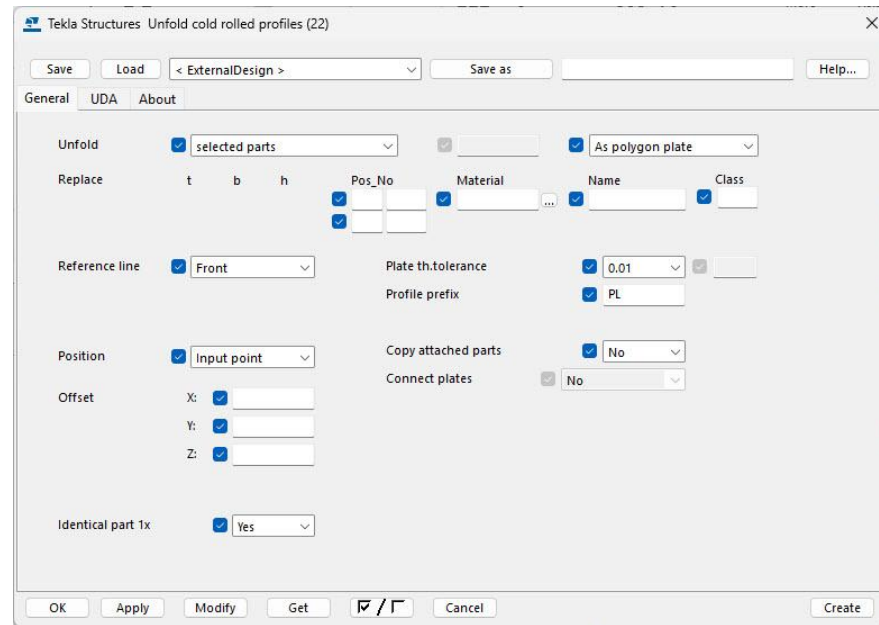
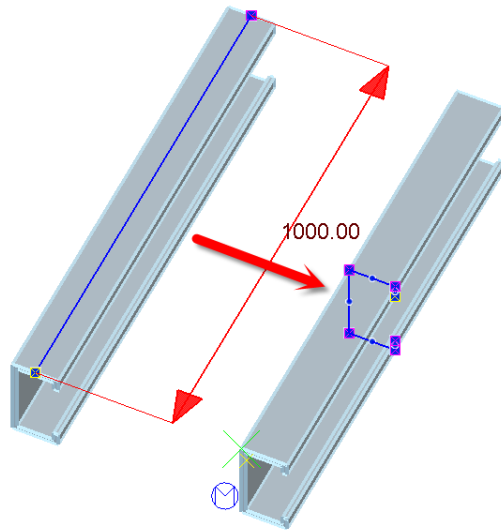
Windbracing L-profile (19)

- Creates a connection between a main part and a windbracing rod with the aid of an L - profile so that the wire end protrudes which will be tightened with nuts.



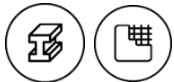
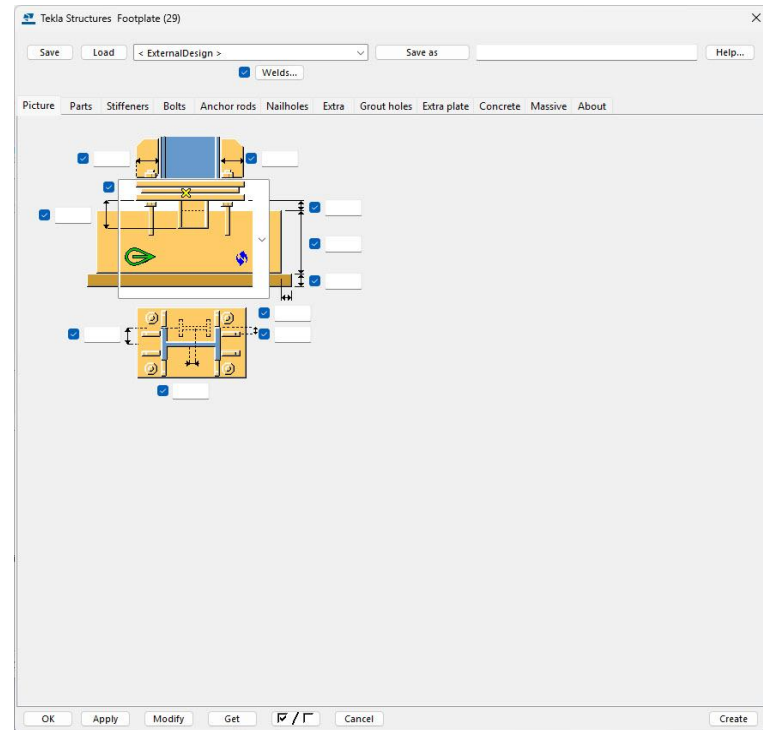
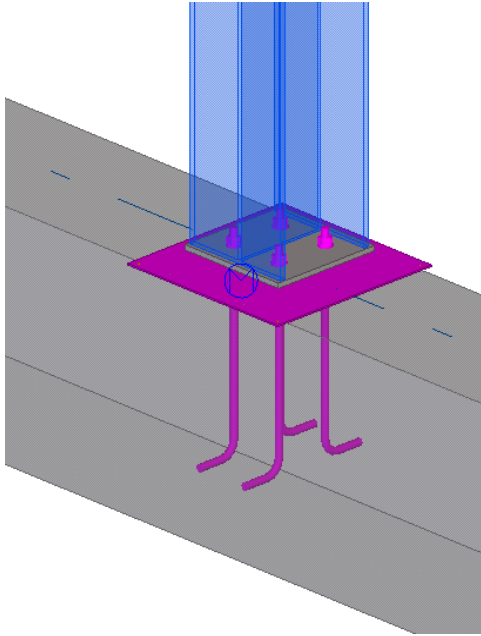
Unfold cold rolled profiles (22)

- Creates a Poly-profile from a parametric profiles. The aim is to make a unfold drawing of the profile.

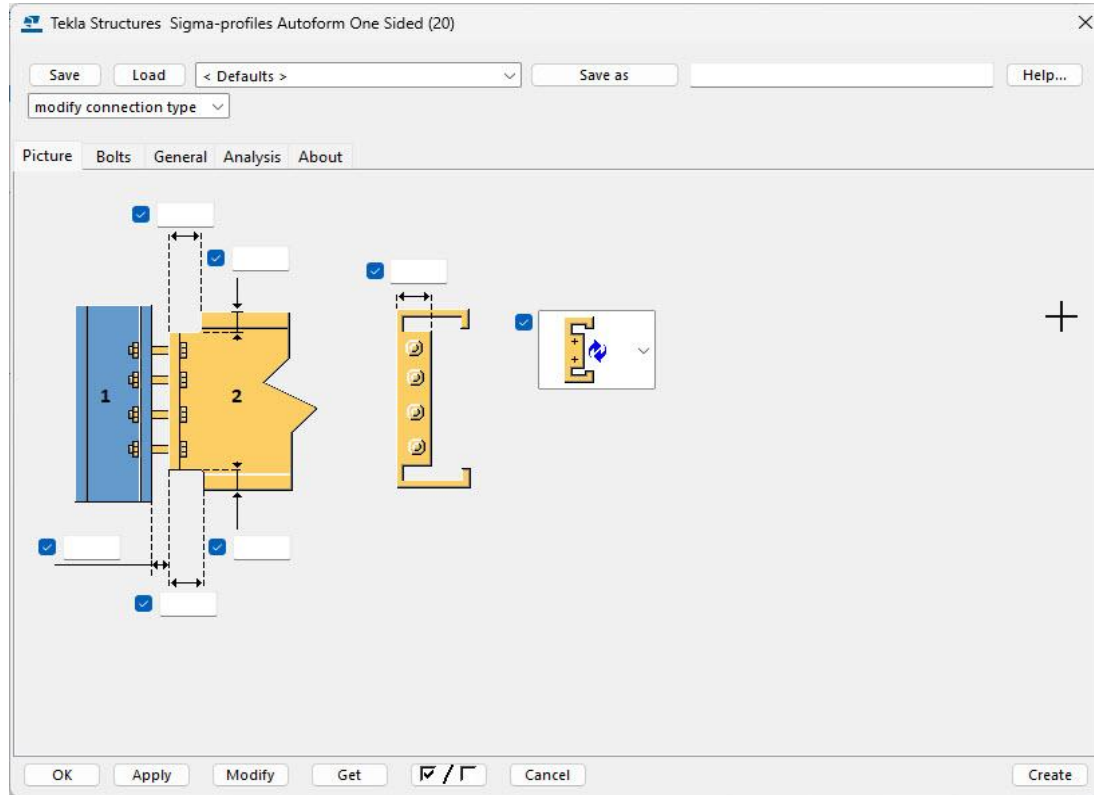


Footplate (29)

- Creates a footplate between a steel column and concrete beam. Select the column first.

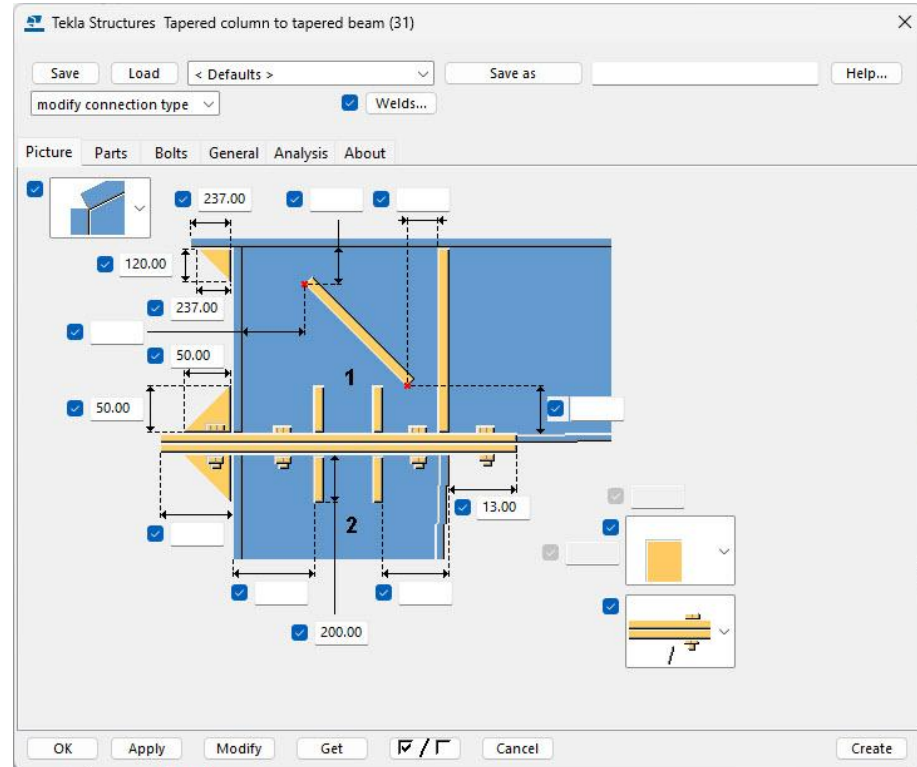
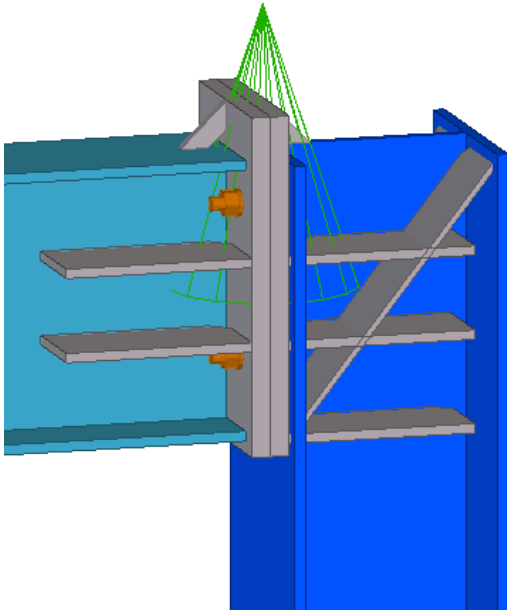


Sigma-profiles Autoform One Sided (20)



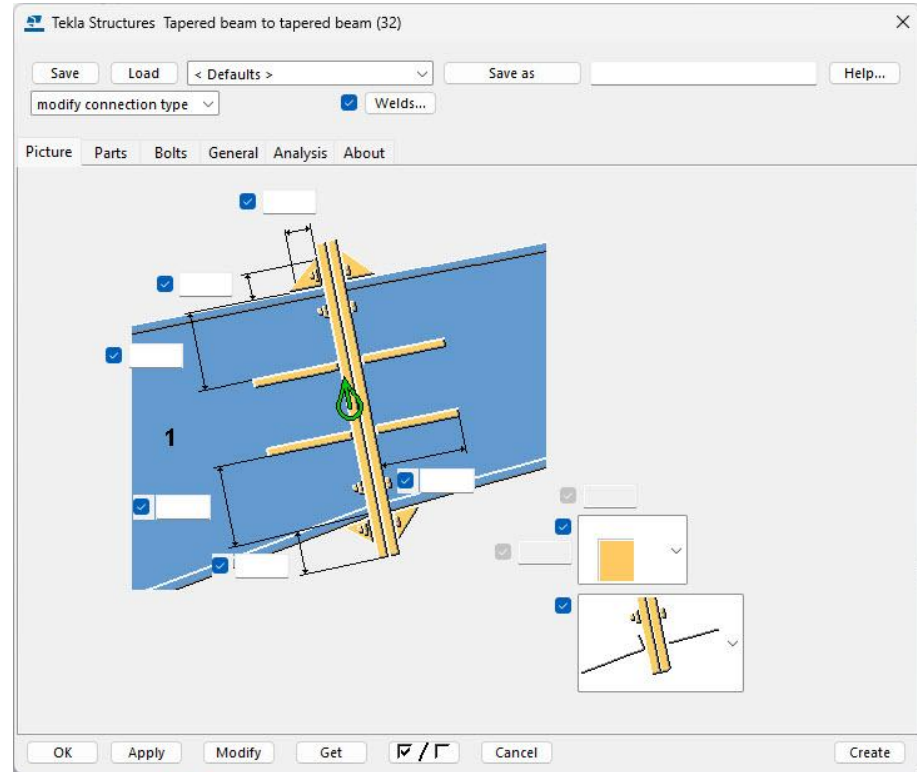
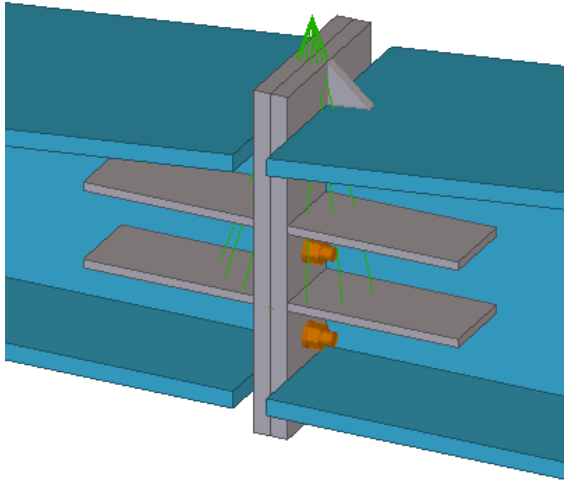
Tapered column to tapered beam (31)

- Creates a connection between a column and a beam.



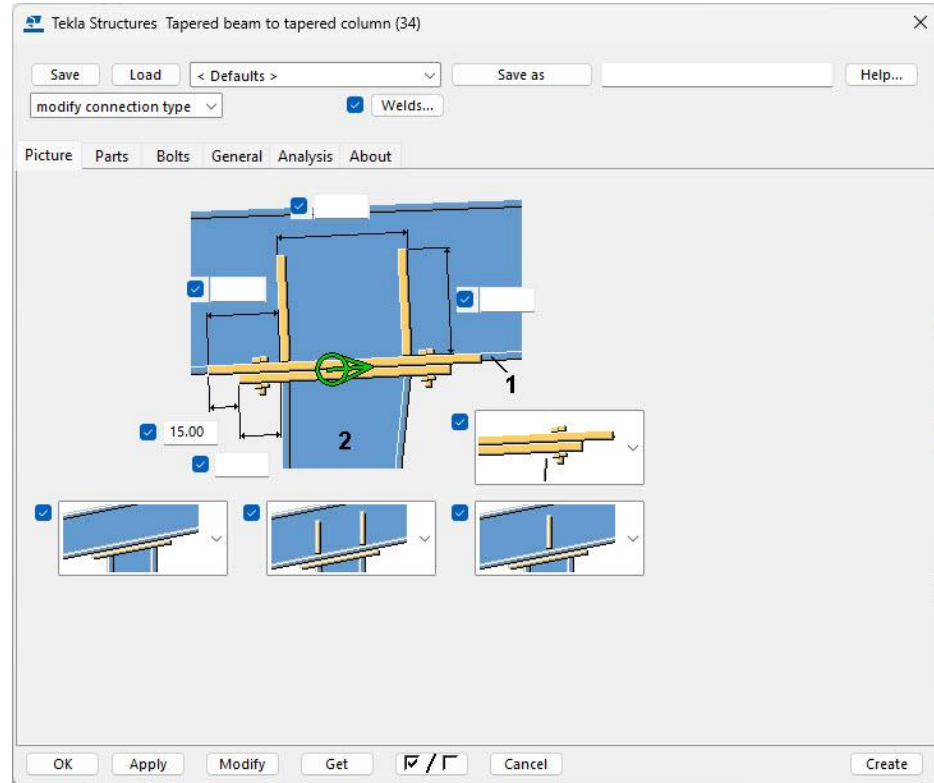
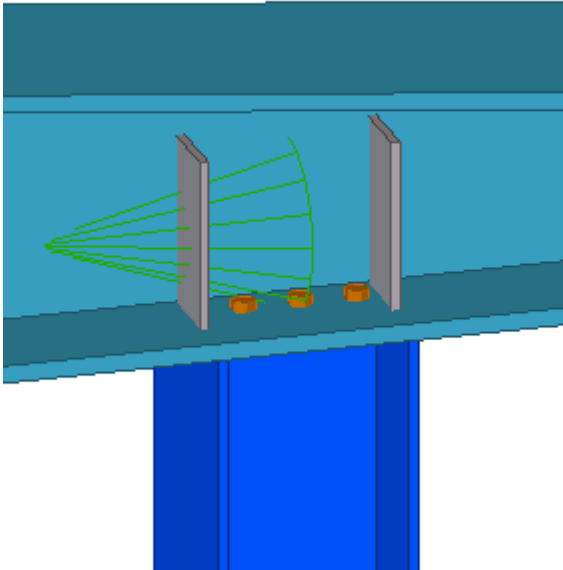
Tapered beam to tapered beam (32)

- Creates a connection between two tapered beams.



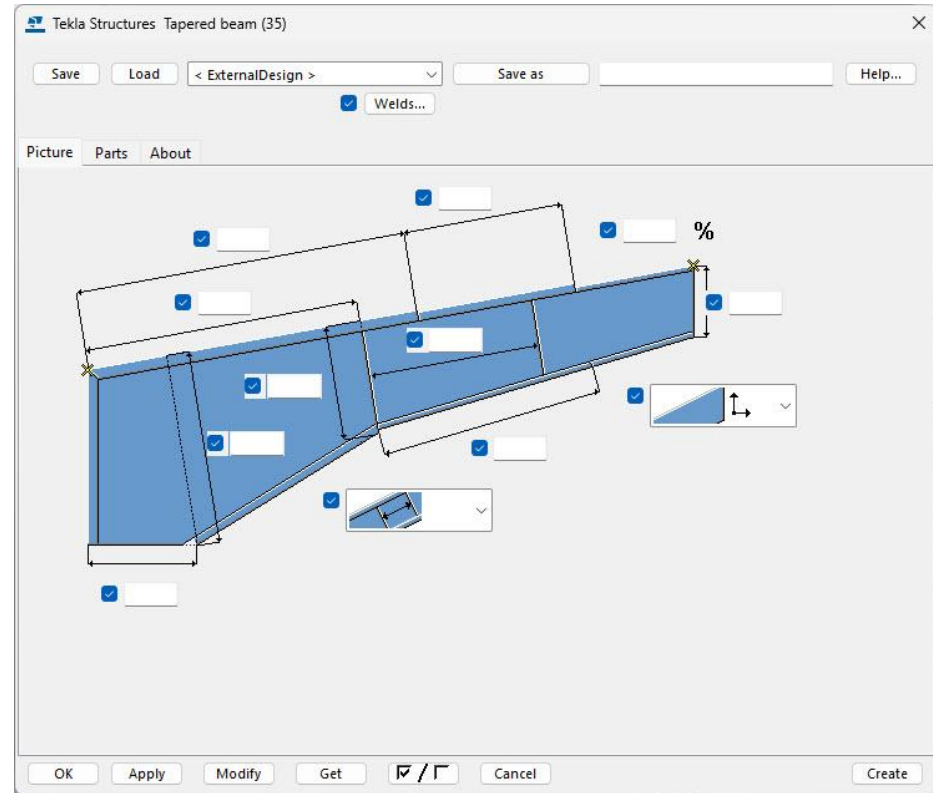
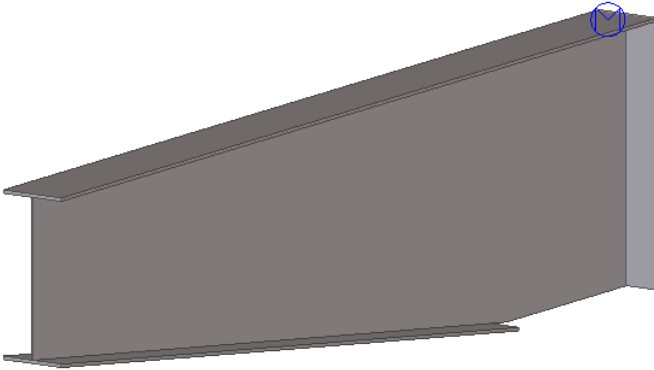
Tapered beam to tapered column (34)

- Creates a connection between a column and a continuous tapered beam.



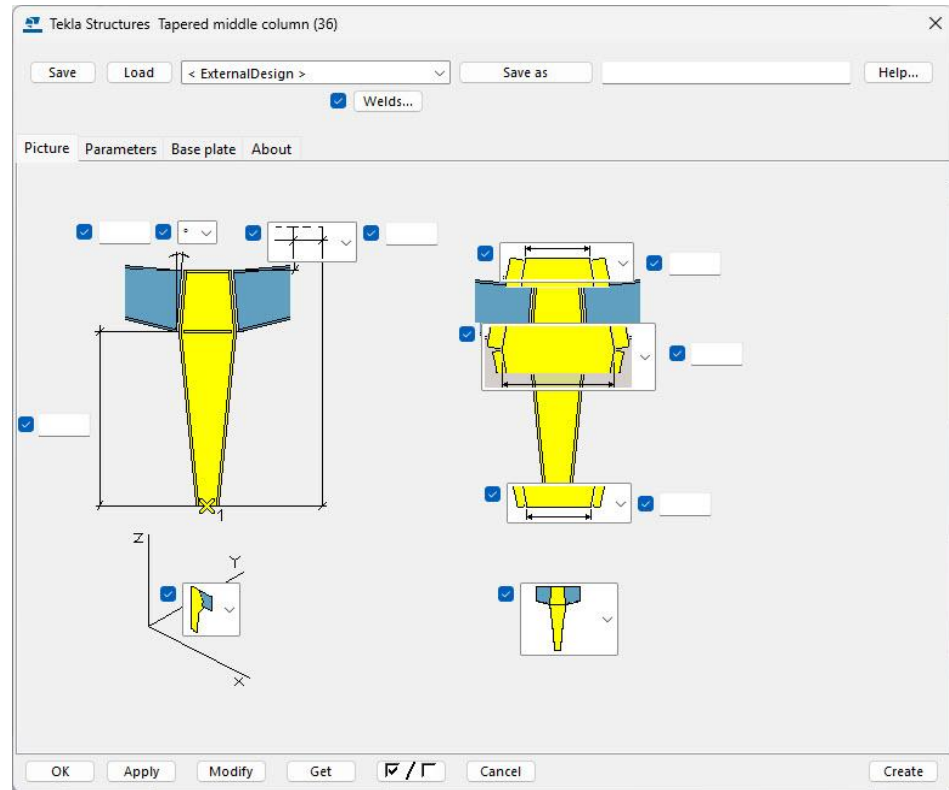
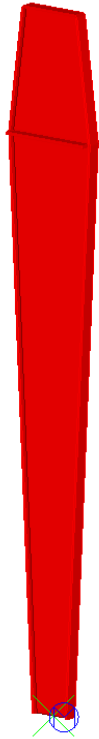
Tapered beam (35)

- Creates a tapered beam.



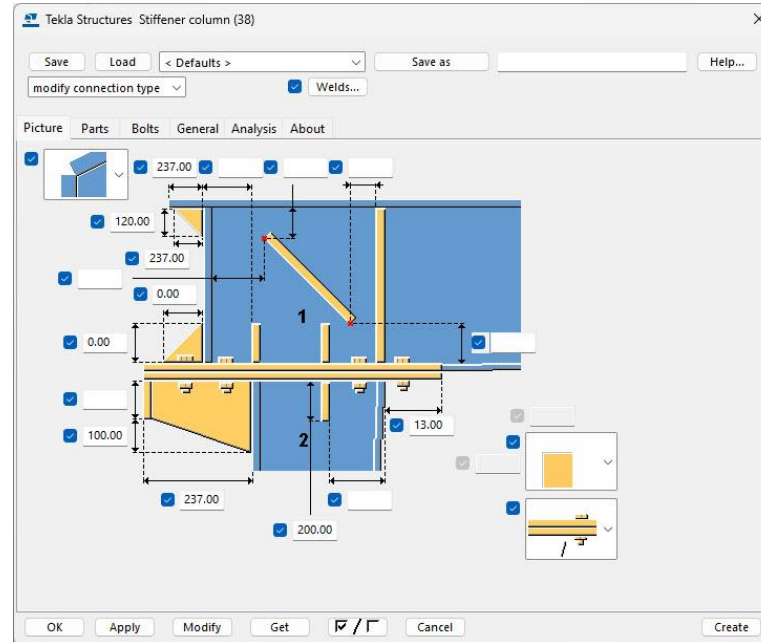
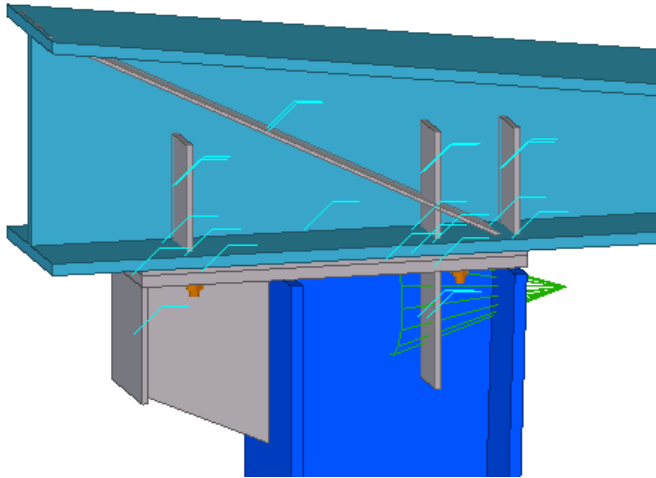
Tapered middle column (36)

- Creates a tapered column.



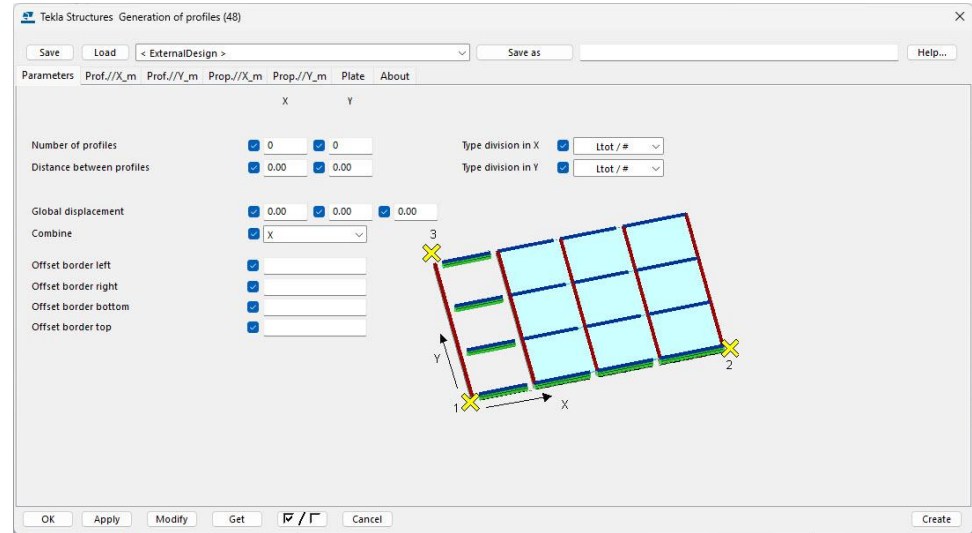
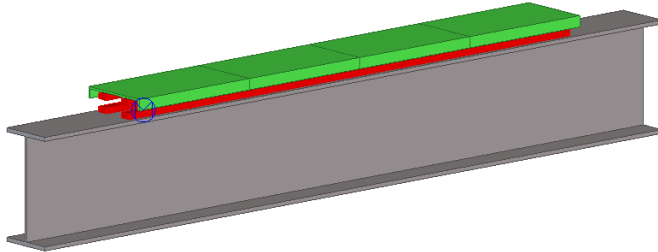
Tapered column to tapered beam 2 (38)

Creates a connection between a tapered column and a tapered beam with plates.



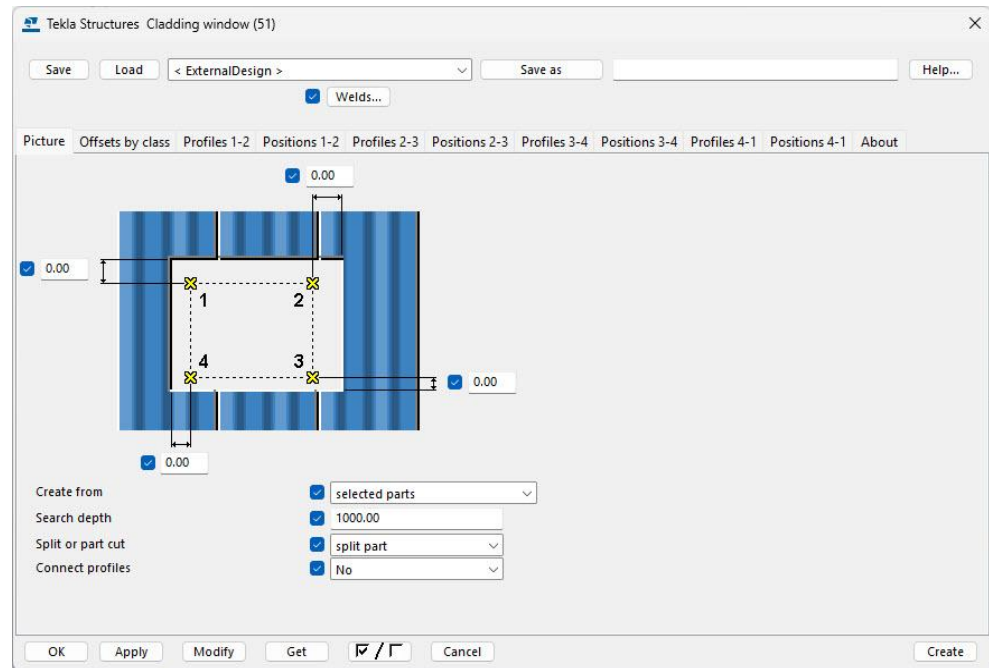
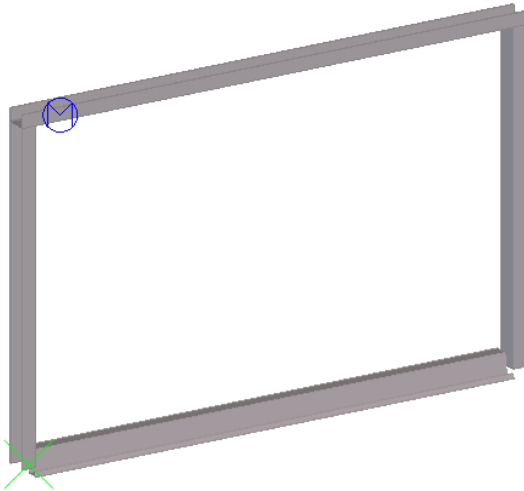
Generation of Profiles (48)

- Creates a filling of a plane with multiple profiles. according to a pattern. In 3 directions (X, Y, Z) a plurality of profiles can be defined, in their own properties, position and rotation.



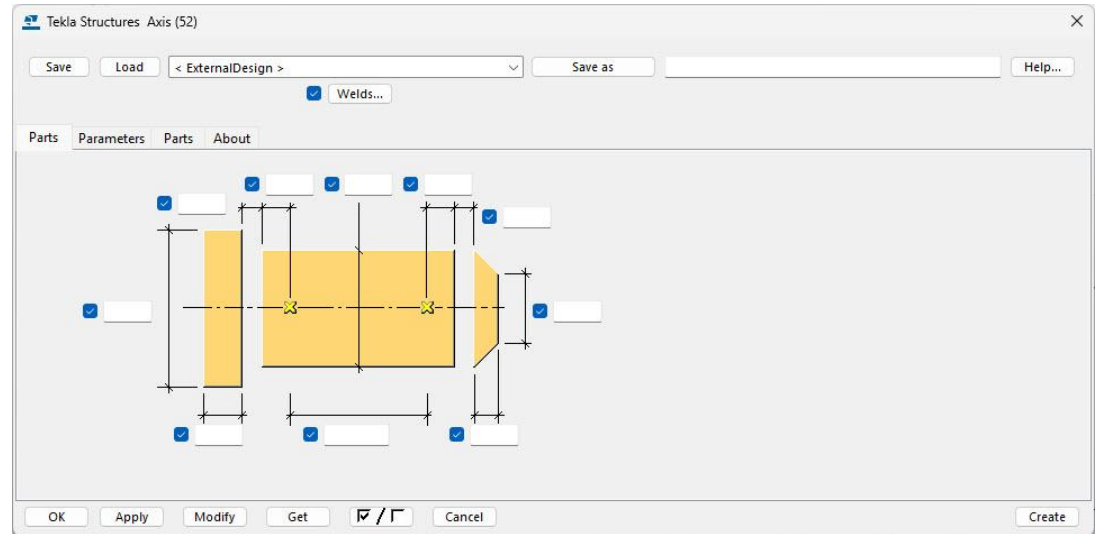
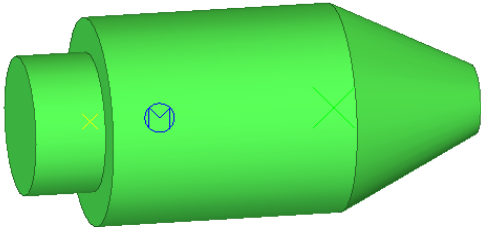
Cladding window (51)

- Creates a recess in a wall of one or more profiles. The component can also generate direct frame profiles.



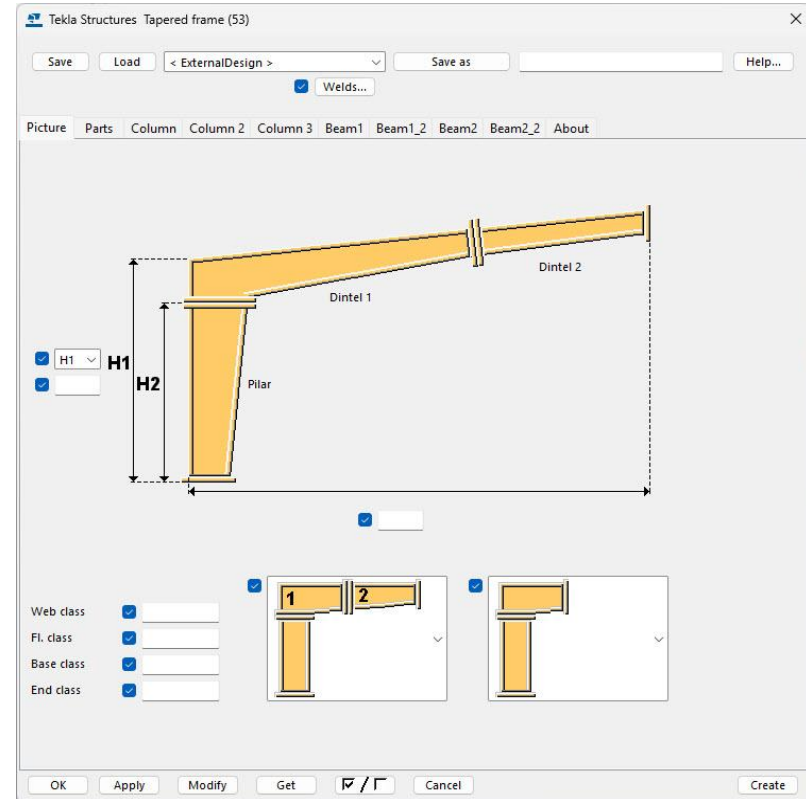
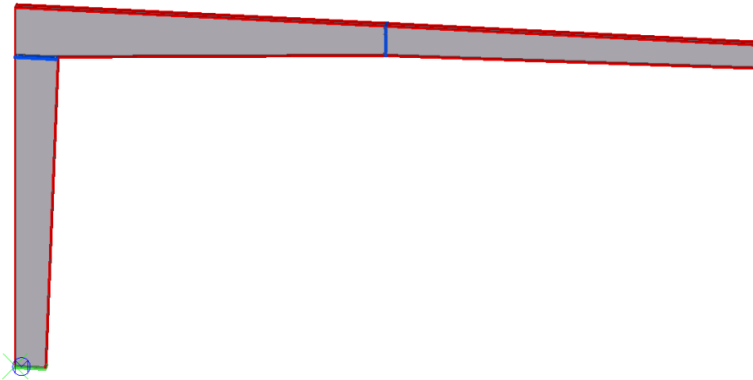
Axis (52)

- Can be used for making round sections with different diameters. Up to 3 different diameters can be specified.



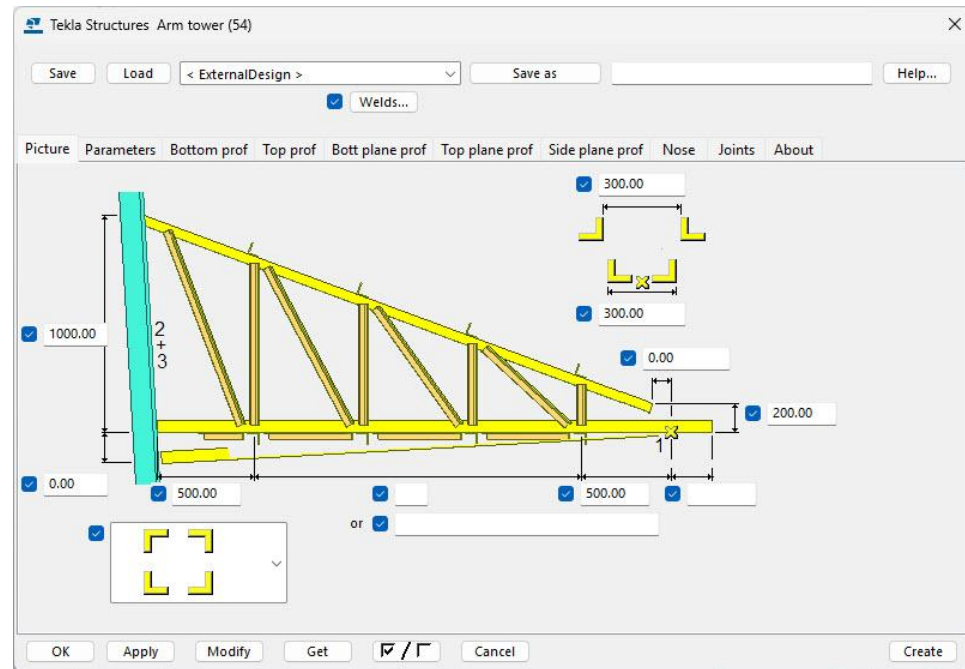
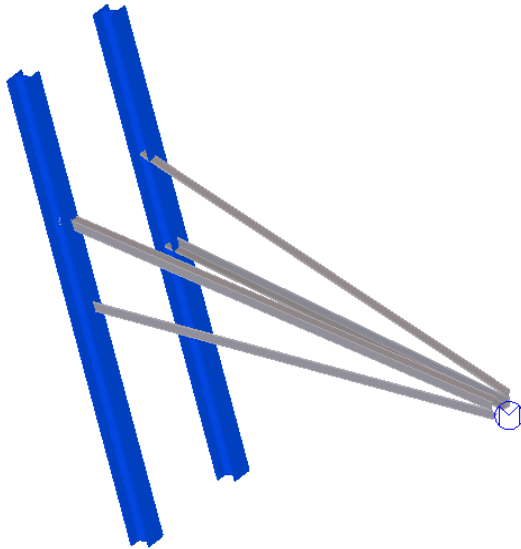
Tapered frame (53)

- Creates a frame made up of tapered columns and tapered beams.



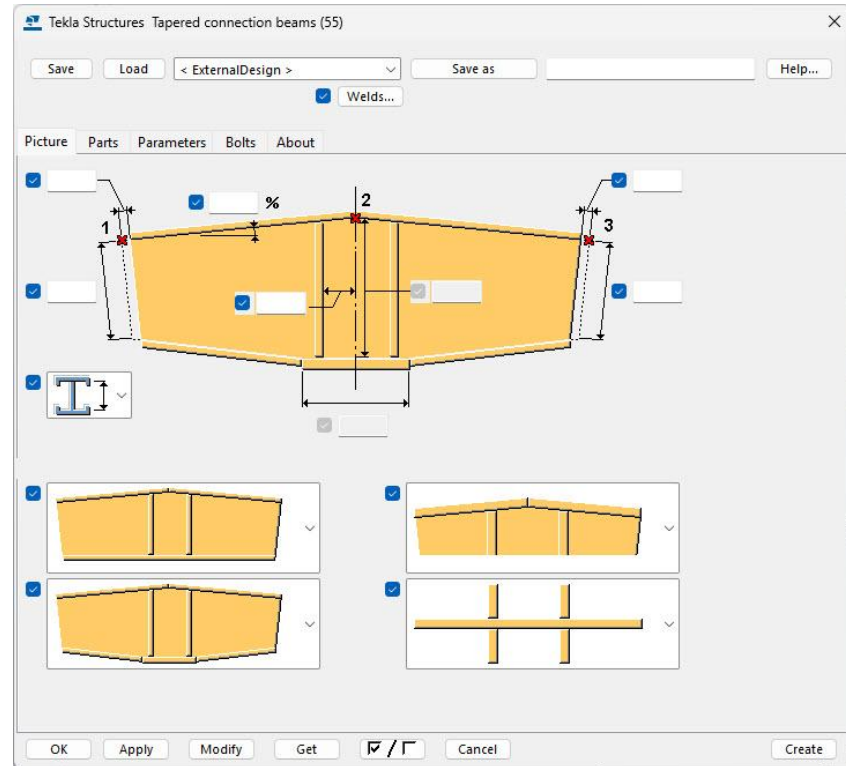
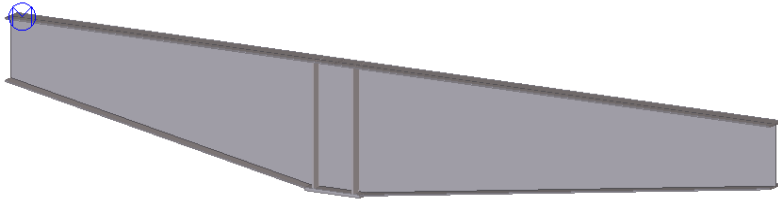
Arm Tower (54)

- Creates an arm of a tower. The construction is based on the two columns and the end point.



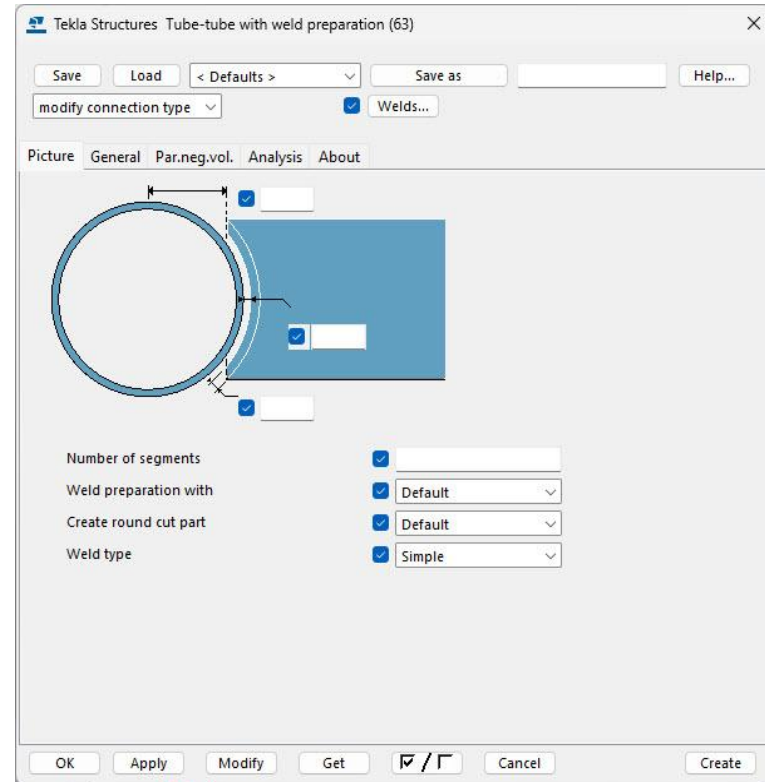
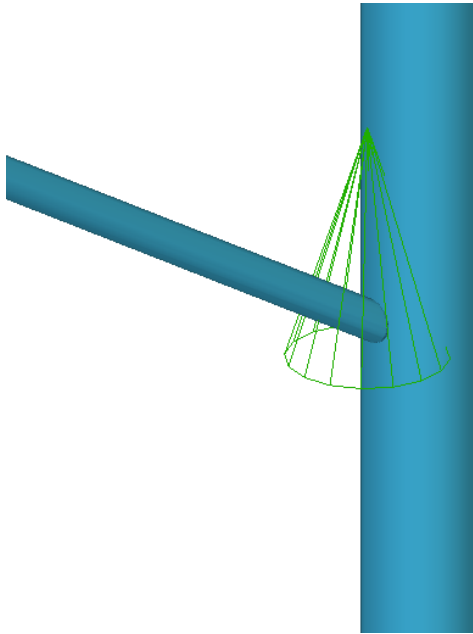
Tapered connection beams (55)

- Creates two tapered beams with a connection between them in the middle.



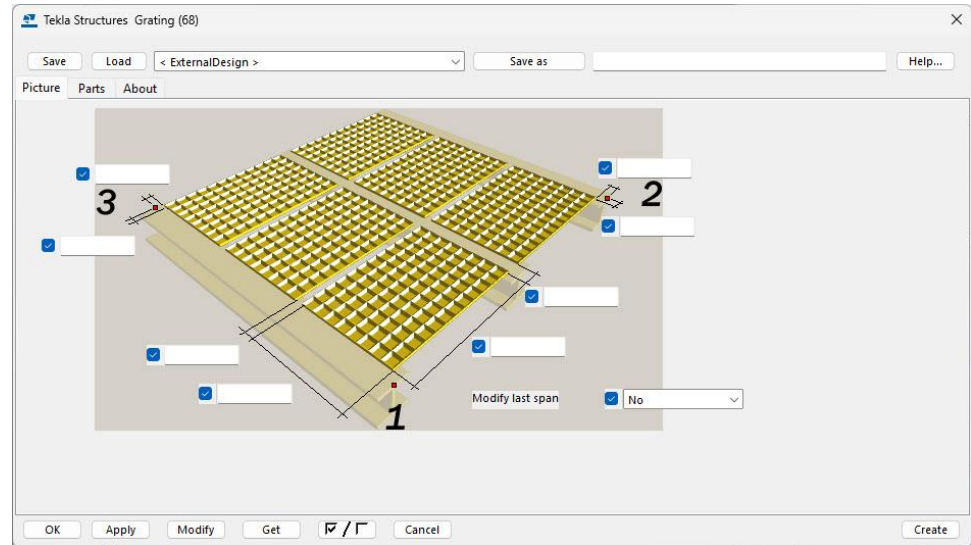
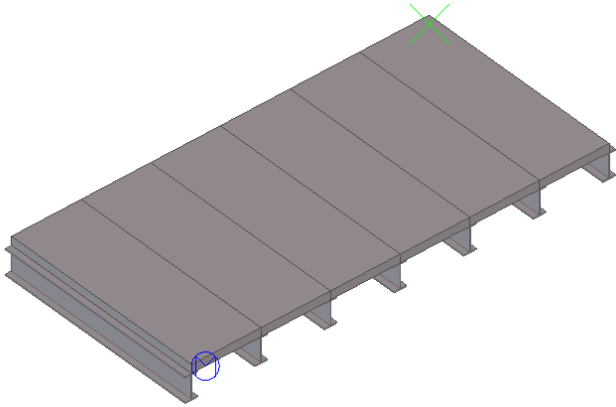
Tube-tube with weld preparation (63)

- Creates a connection between two tubes with a weld preparation.



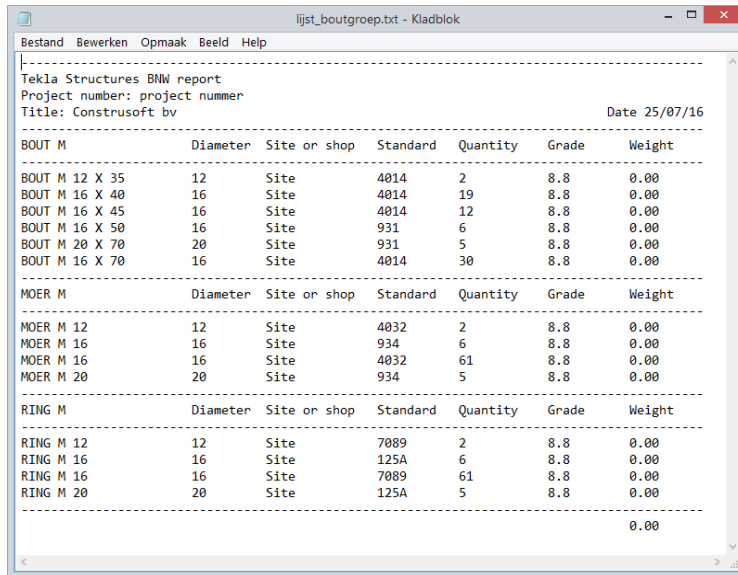
Grating (68)

- Creates a distribution of beams with grating on top.



Bolt-nut-washer report (74)

- Creates a bolt list ,including all the washers and nuts.



Bestand Bewerken Opmaak Beeld Help

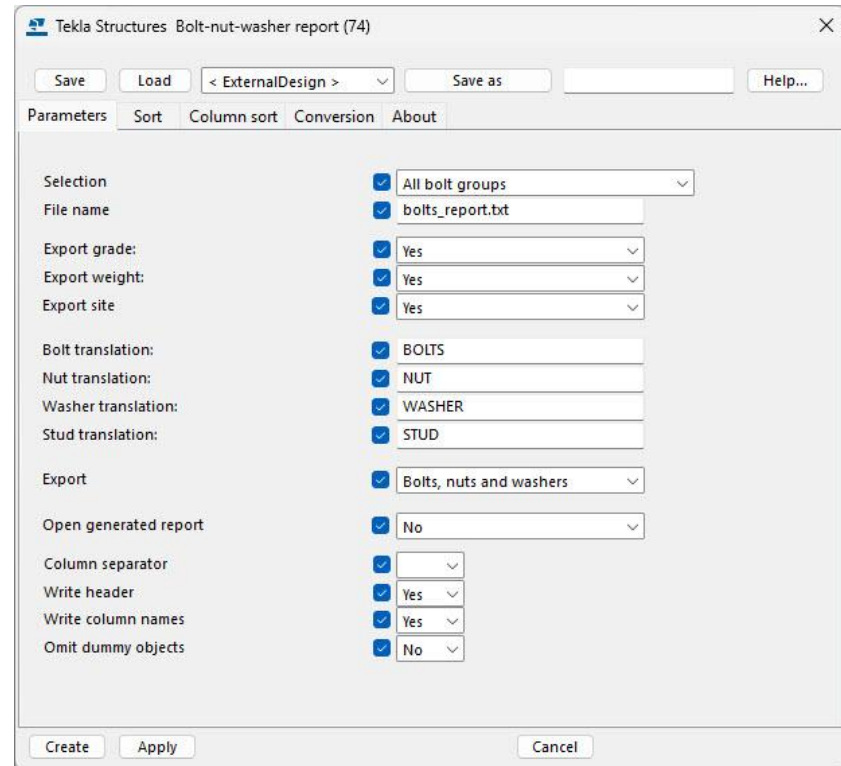
Tekla Structures BNM report
Project number: project nummer
Title: Construsoft bv
Date 25/07/16

BOUT M	Diameter	Site or shop	Standard	Quantity	Grade	Weight
BOUT M 12 X 35	12	Site	4014	2	8.8	0.00
BOUT M 16 X 40	16	Site	4014	19	8.8	0.00
BOUT M 16 X 45	16	Site	4014	12	8.8	0.00
BOUT M 16 X 50	16	Site	931	6	8.8	0.00
BOUT M 20 X 70	20	Site	931	5	8.8	0.00
BOUT M 16 X 70	16	Site	4014	30	8.8	0.00

MOER M	Diameter	Site or shop	Standard	Quantity	Grade	Weight
MOER M 12	12	Site	4032	2	8.8	0.00
MOER M 16	16	Site	934	6	8.8	0.00
MOER M 16	16	Site	4032	61	8.8	0.00
MOER M 20	20	Site	934	5	8.8	0.00

RING M	Diameter	Site or shop	Standard	Quantity	Grade	Weight
RING M 12	12	Site	7089	2	8.8	0.00
RING M 16	16	Site	125A	6	8.8	0.00
RING M 16	16	Site	7089	61	8.8	0.00
RING M 20	20	Site	125A	5	8.8	0.00

0.00



Tekla Structures Bolt-nut-washer report (74)

Save Load < ExternalDesign > Save as Help...

Parameters Sort Column sort Conversion About

Selection: ☒ All bolt groups

File name: ☒ bolts_report.txt

Export grade: ☒ Yes

Export weight: ☒ Yes

Export site: ☒ Yes

Bolt translation: ☒ BOLTS

Nut translation: ☒ NUT

Washer translation: ☒ WASHER

Stud translation: ☒ STUD

Export: ☒ Bolts, nuts and washers

Open generated report: ☒ No

Column separator: ☒ []

Write header: ☒ Yes

Write column names: ☒ Yes

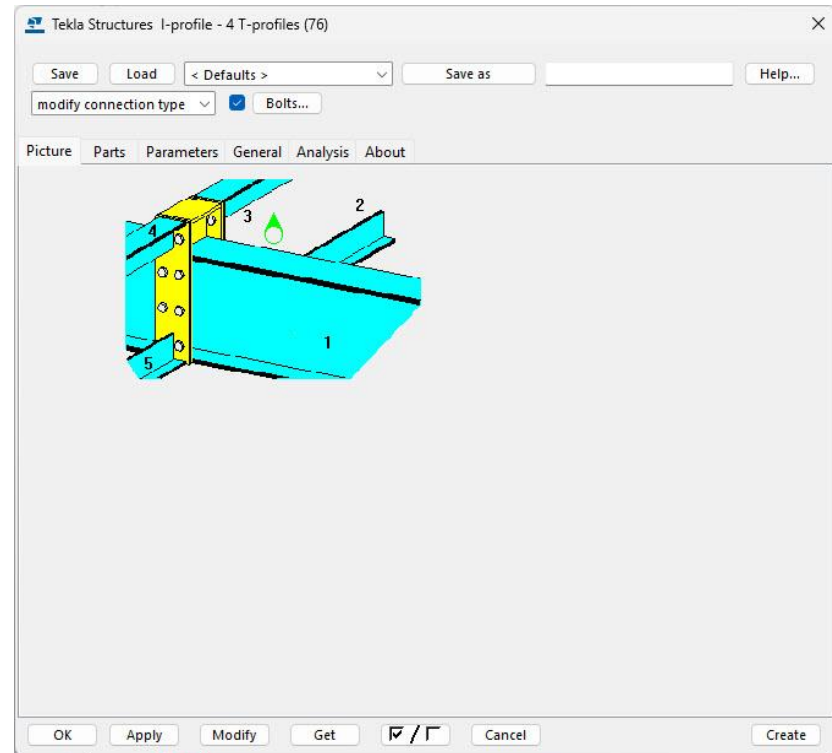
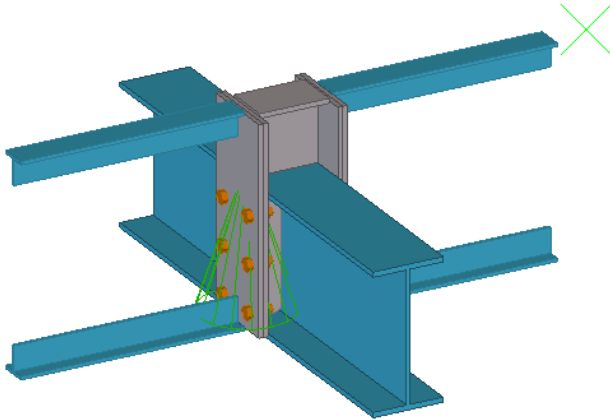
Omit dummy objects: ☒ No

Create Apply Cancel



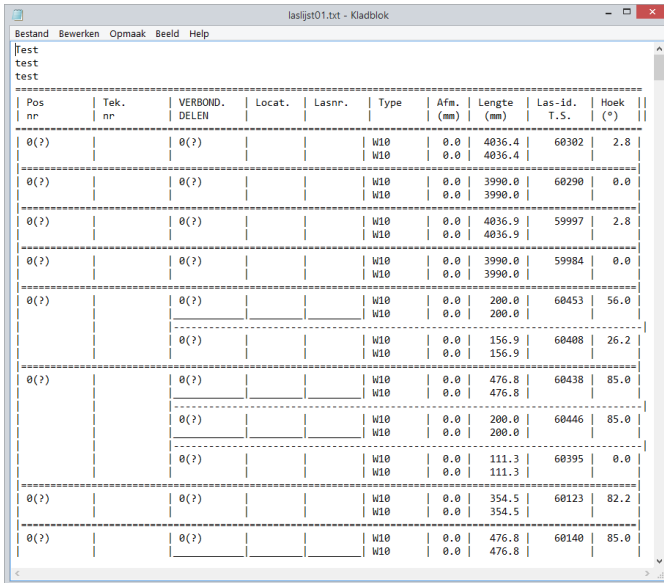
I-profile - 4 T-profile (76)

- Creates a connection between a I-beam and four T-beams.



Weldreport (76)

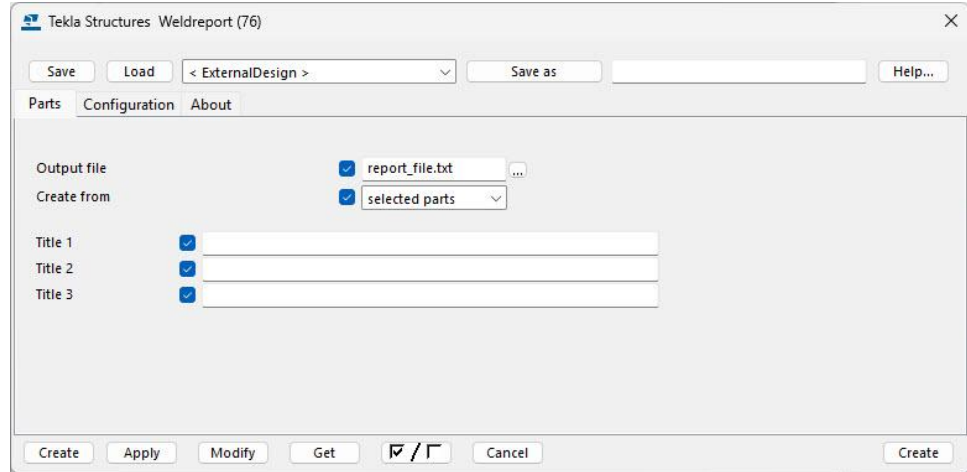
- Creates a weld list.



Bestand Bewerken Opmaak Beeld Help

test
test
test

Pos nr	Tek. nr	VERBOND. DELEN	Locat.	Lasnr.	Type	Afm. (mm)	Lengte (mm)	Las-id. T.S.	Hoek (°)
0(?)		0(?)			W10	0.0	4036.4	60302	2.8
0(?)		0(?)			W10	0.0	4036.4		
0(?)		0(?)			W10	0.0	3990.0	60290	0.0
0(?)		0(?)			W10	0.0	3990.0		
0(?)		0(?)			W10	0.0	4036.9	59997	2.8
0(?)		0(?)			W10	0.0	4036.9		
0(?)		0(?)			W10	0.0	3990.0	59984	0.0
0(?)		0(?)			W10	0.0	3990.0		
0(?)		0(?)			W10	0.0	200.0	60453	56.0
0(?)		0(?)			W10	0.0	200.0		
0(?)		0(?)			W10	0.0	156.9	60408	26.2
0(?)		0(?)			W10	0.0	156.9		
0(?)		0(?)			W10	0.0	476.8	60438	85.0
0(?)		0(?)			W10	0.0	476.8		
0(?)		0(?)			W10	0.0	200.0	60446	85.0
0(?)		0(?)			W10	0.0	200.0		
0(?)		0(?)			W10	0.0	111.3	60395	0.0
0(?)		0(?)			W10	0.0	111.3		
0(?)		0(?)			W10	0.0	354.5	60123	82.2
0(?)		0(?)			W10	0.0	354.5		
0(?)		0(?)			W10	0.0	476.8	60140	85.0
0(?)		0(?)			W10	0.0	476.8		



Tekla Structures Weldreport (76)

Save Load < ExternalDesign > Save as Help...

Parts Configuration About

Output file ☒ report_file.txt ...

Create from ☒ selected parts

Title 1 ☒

Title 2 ☒

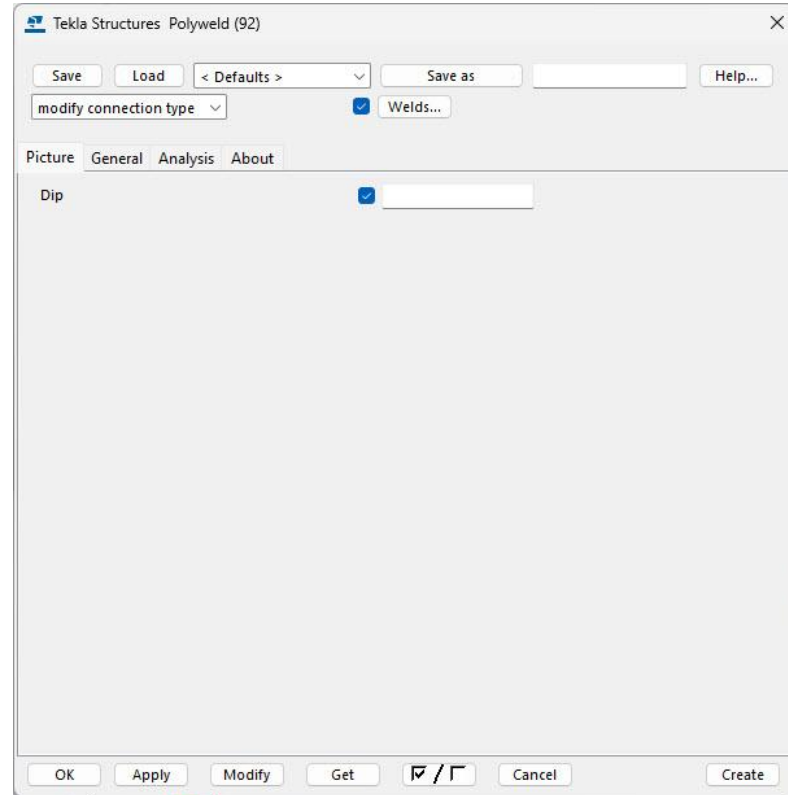
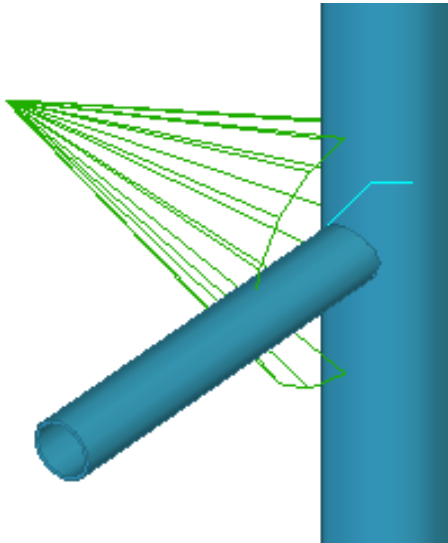
Title 3 ☒

Create Apply Modify Get ☒ / ☐ Cancel Create

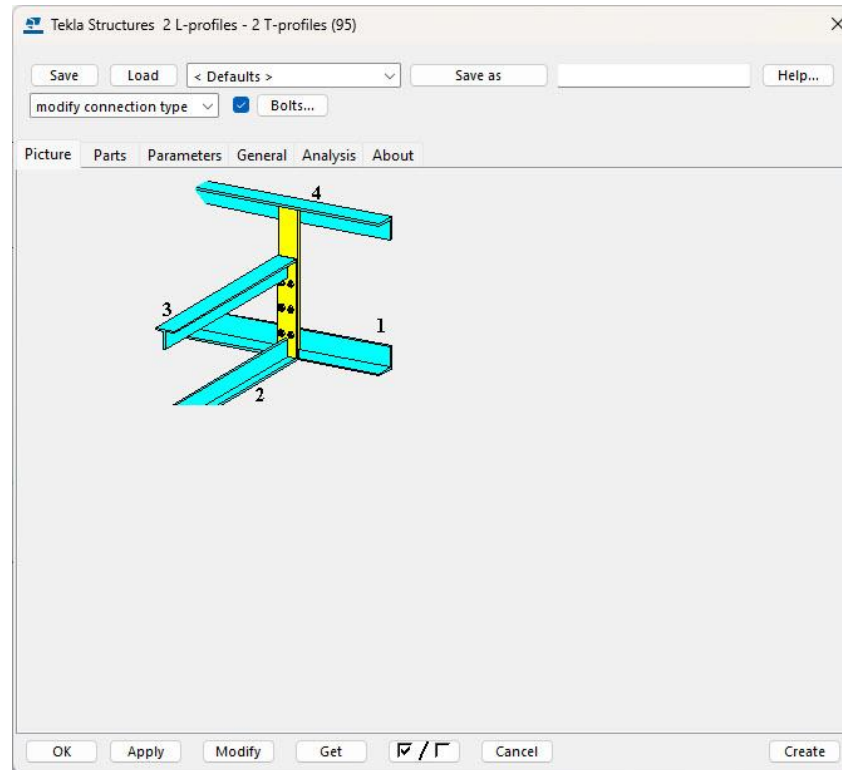


Polyweld (92)

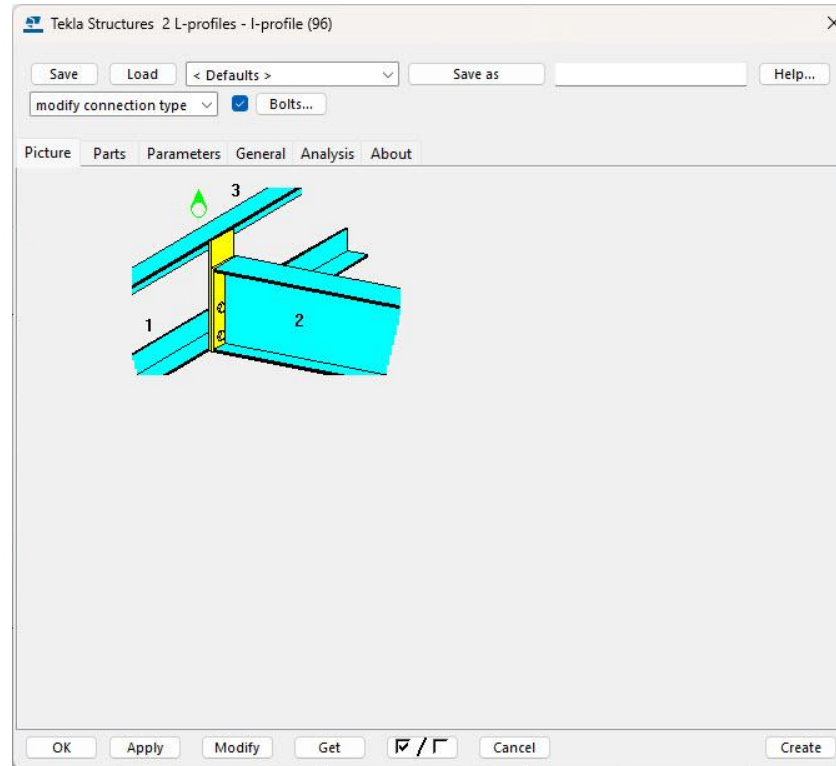
- Creates a connection between parts with a polyweld.



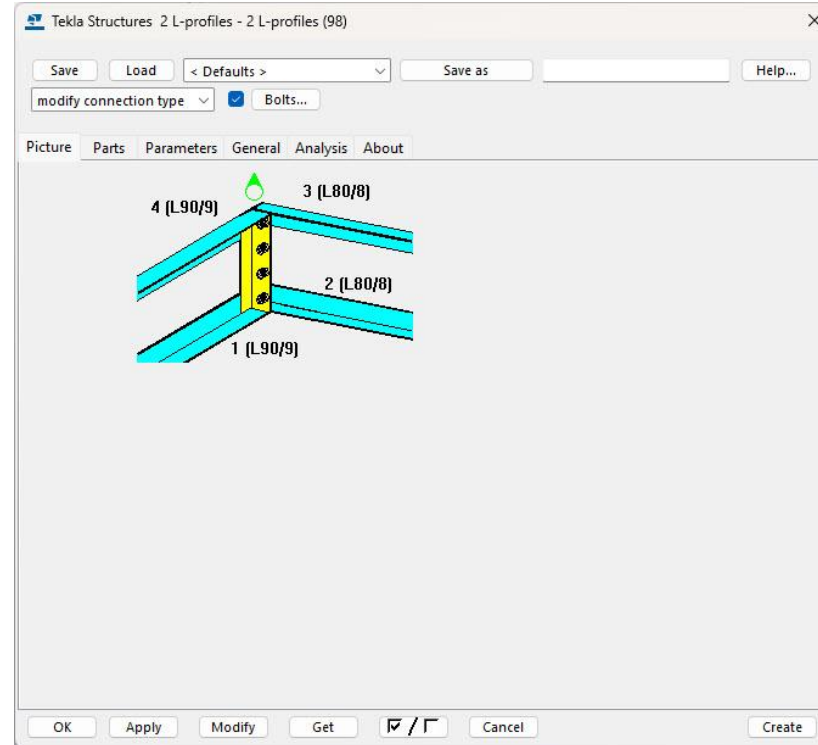
2 L-profiles – 2 T-profiles (95)



2 L-profiles – I-profile (96)

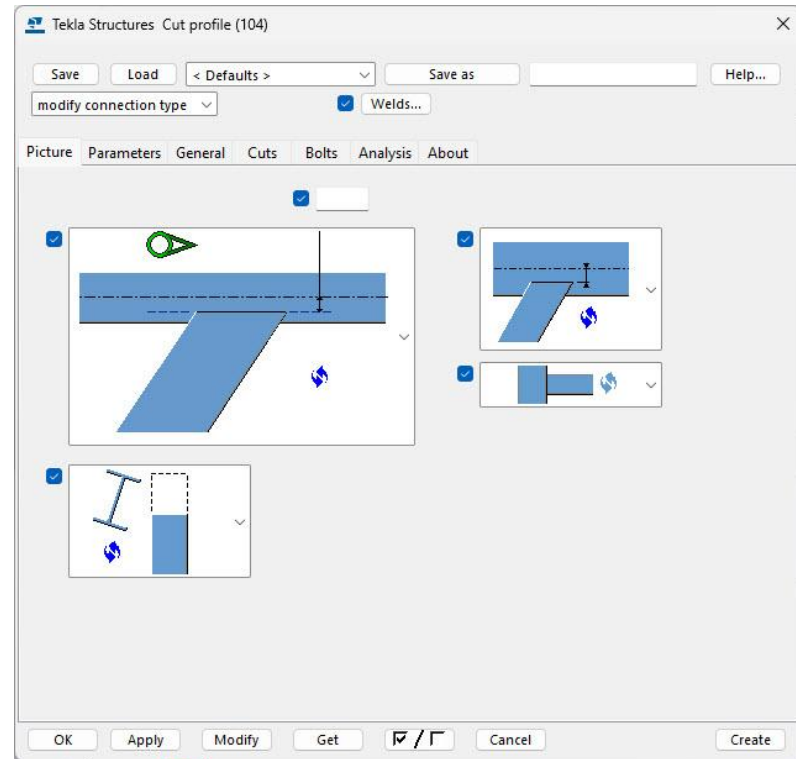
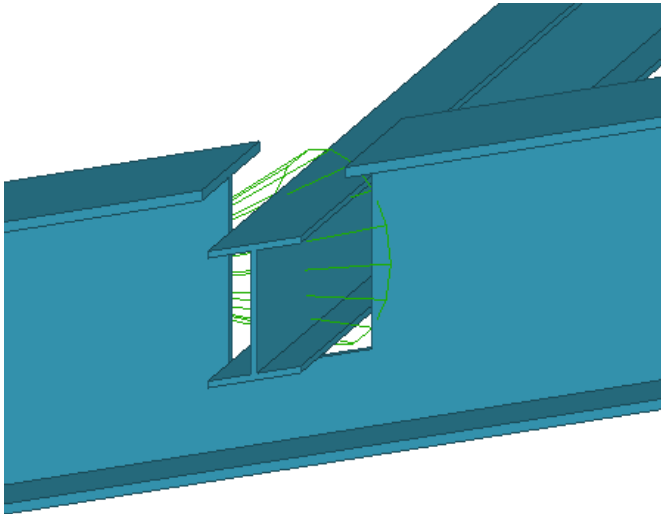


2 L-profiles – 2 L-profiles (98)



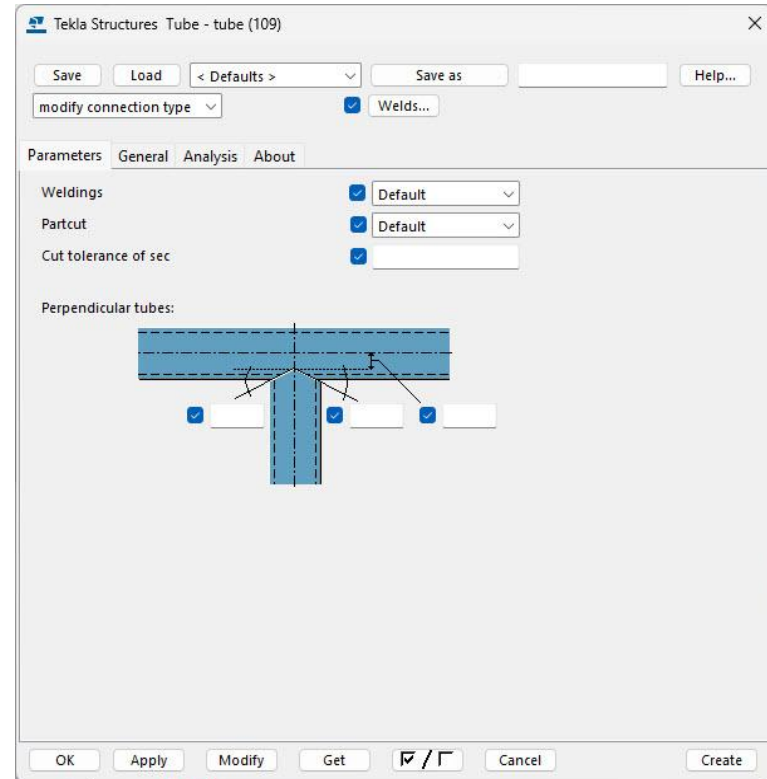
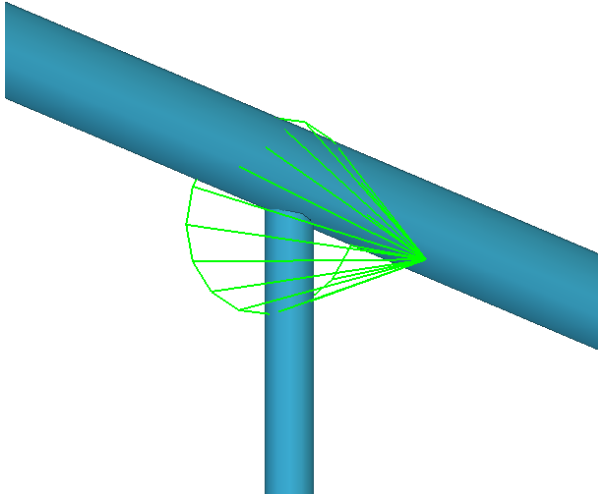
Cut profile (104)

- Creates a cut section on the main part for the secondary part to go through.



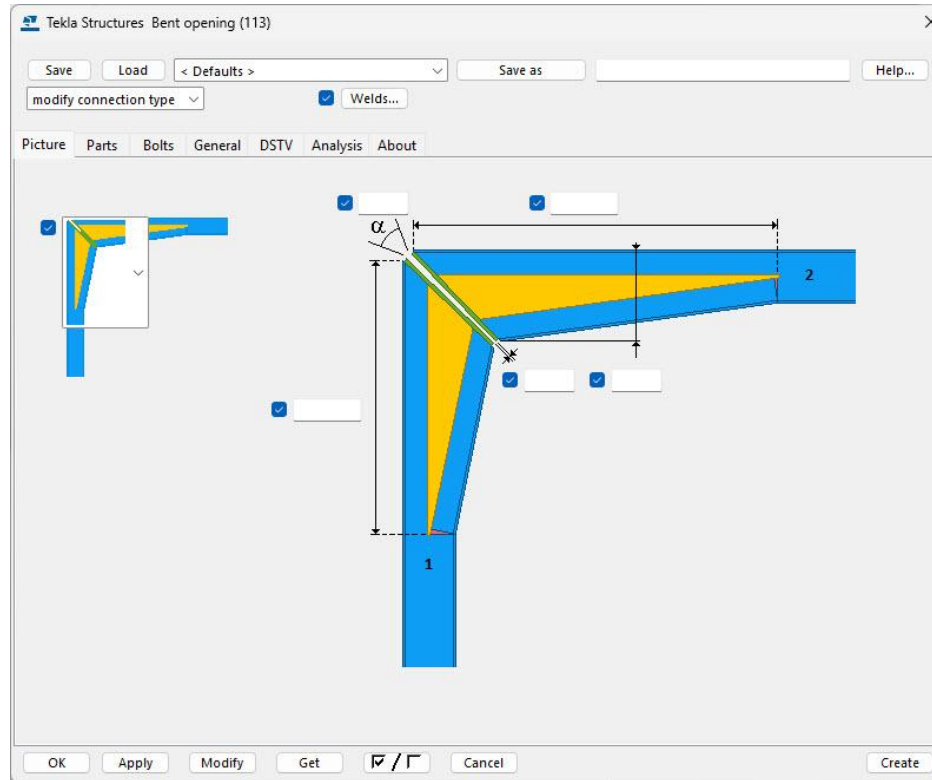
Tube – tube (109)

- Creates a connection between two tubes.



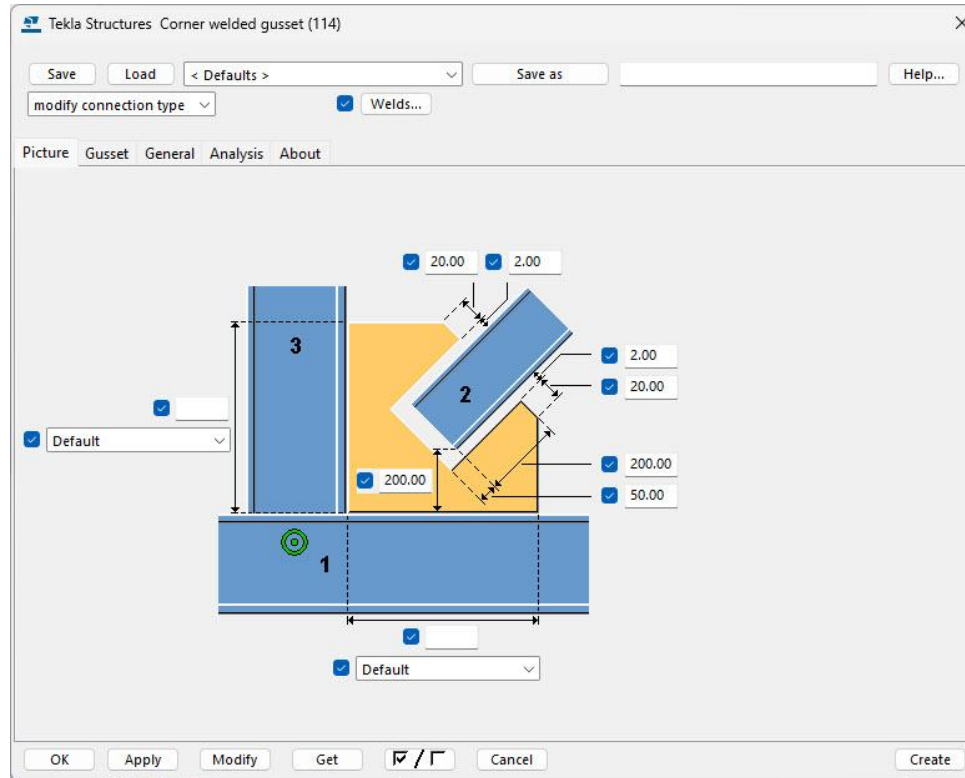
Bent Opening (113)

- Creates a bent opening with DSTV Export.



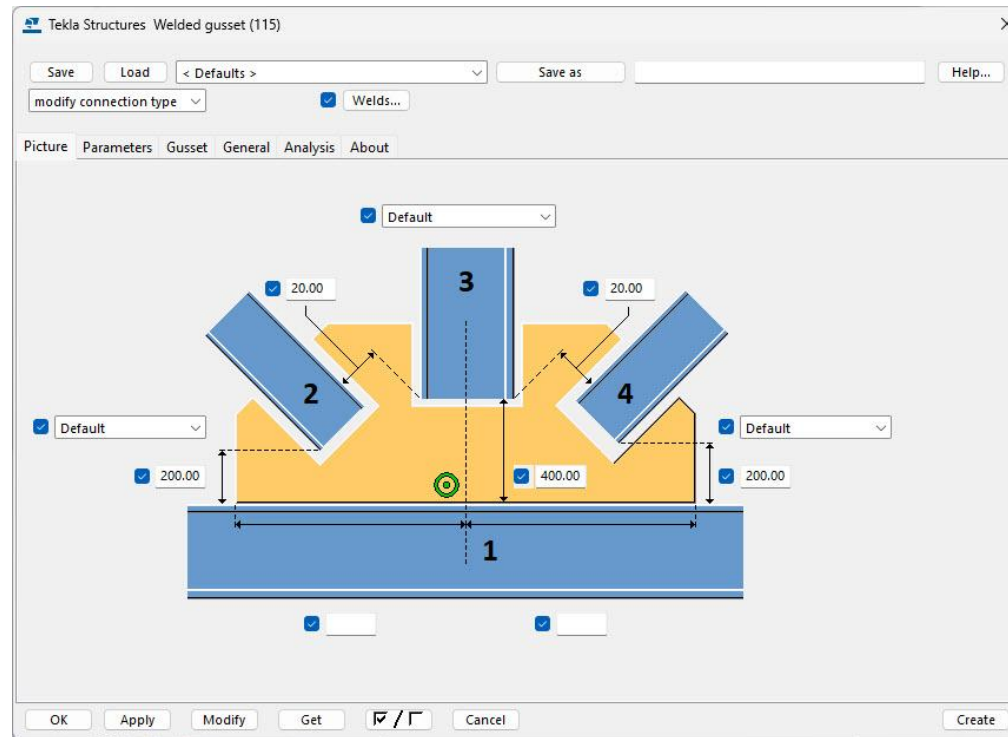
Corner Welded Gusset (114)

- Creates a Corner welded gusset with offsets.



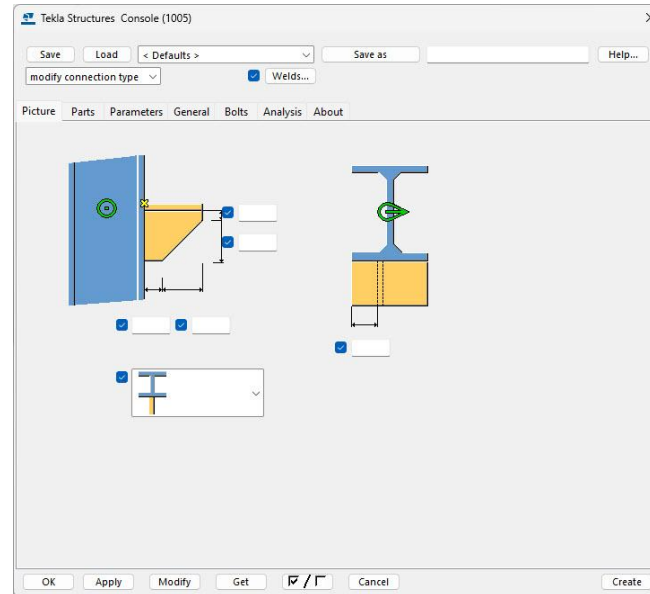
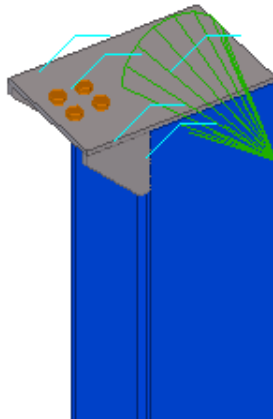
Welded Gusset (115)

- Creates a welded gusset with offsets.



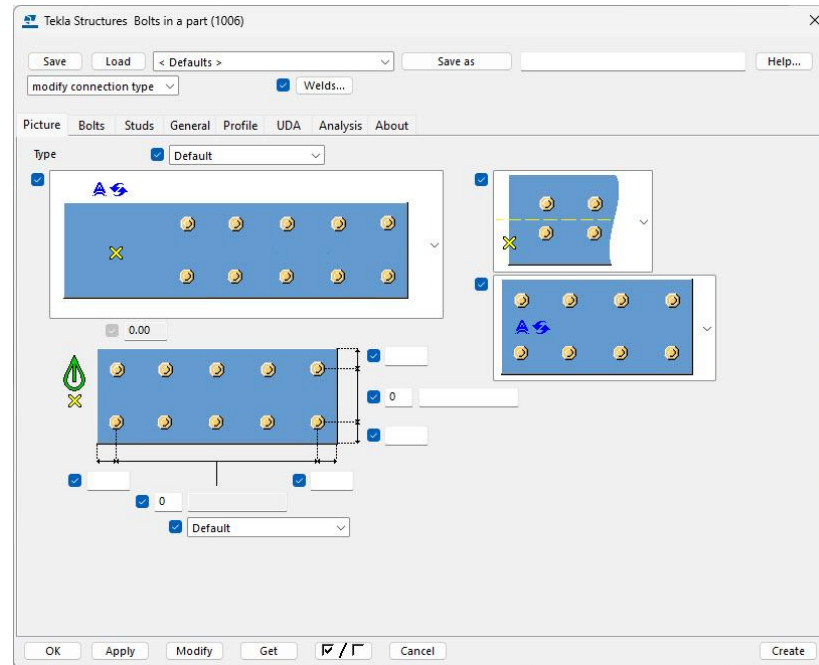
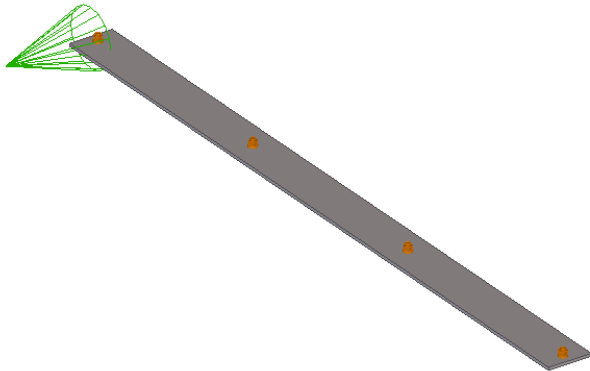
Console (1005)

- Creates a bracket profile against a column. The console comprises a horizontal plate and one or two vertical stiffeners. All parts are welded to the main part. In the cover plate a hole pattern can be applied.



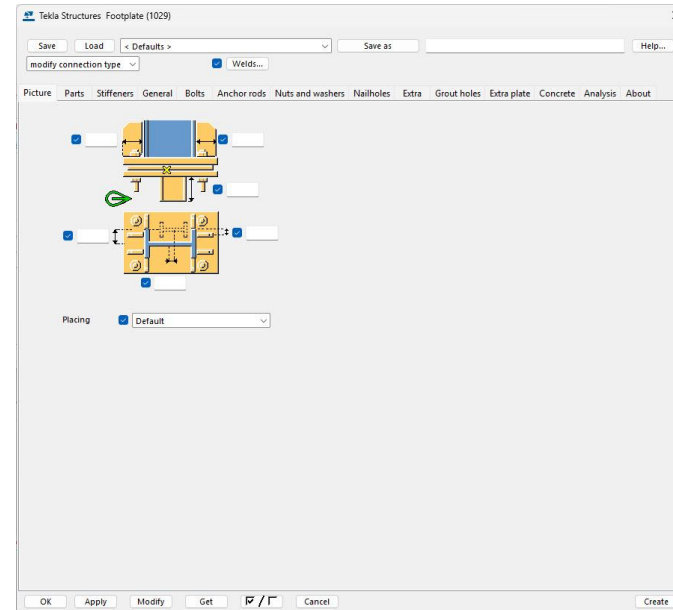
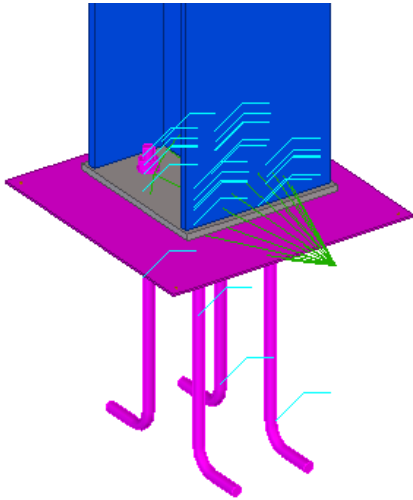
Bolts in a Part (1006)

- Creates a bolt pattern in a profile. Instead of bolts, dowels profiles may also be placed. In the application of profiles the information can be filled from the component User Attributes.



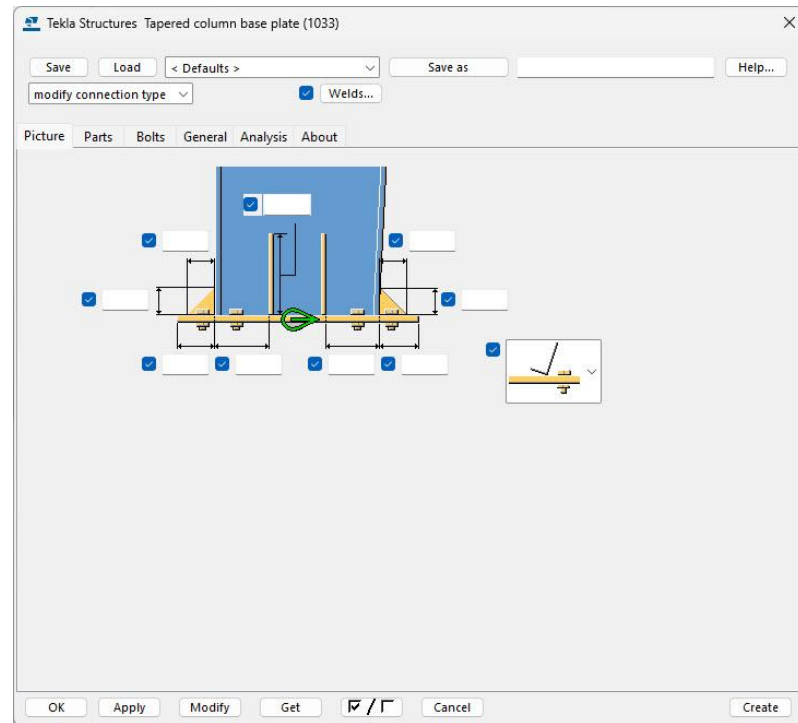
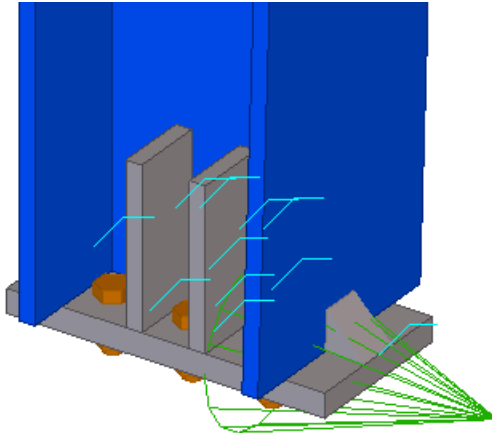
Footplate (1029)

- Creates a footplate detail below a column. In addition to the base plate, the following objects can be modeled: stiffeners, bolts, anchors and cut-outs in the application of a concrete column.



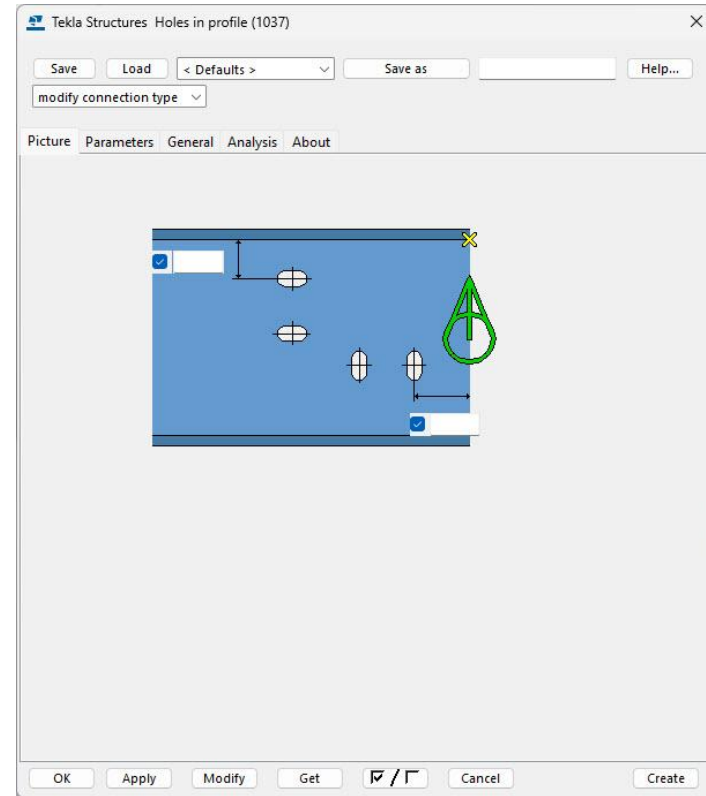
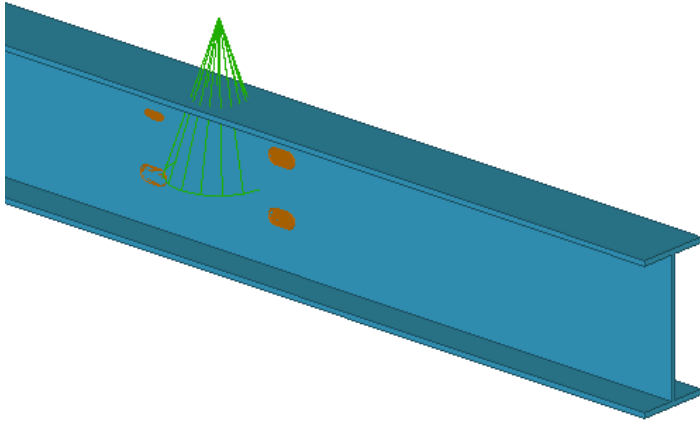
Tapered column base plate (1033)

- Creates a baseplate under a plate column. The base plate may include a hole or bolt pattern; stiffeners can be added.



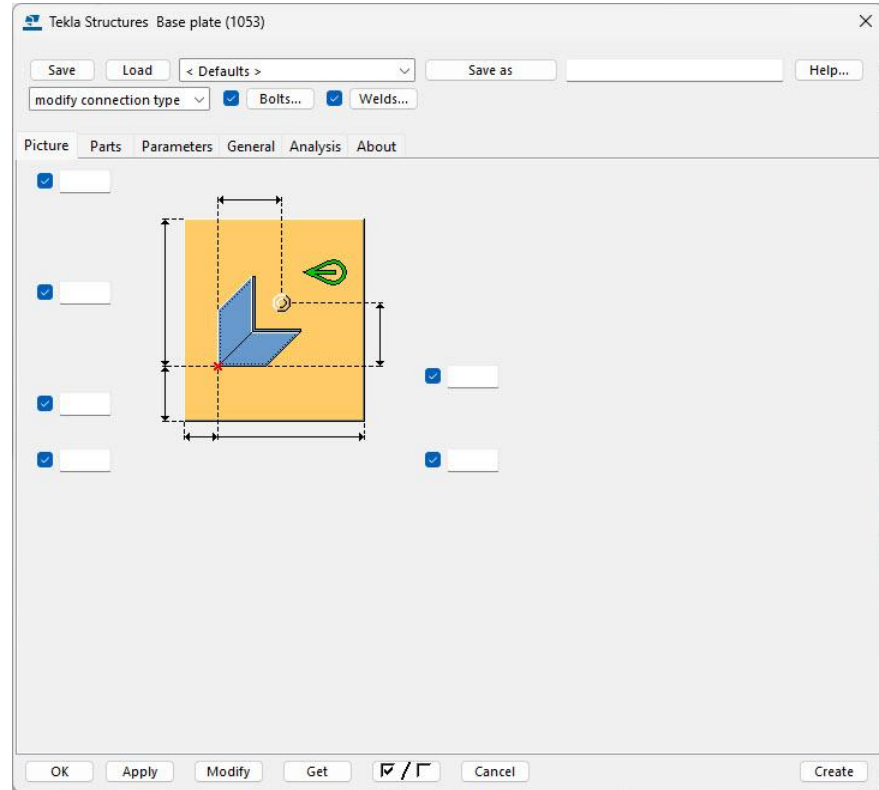
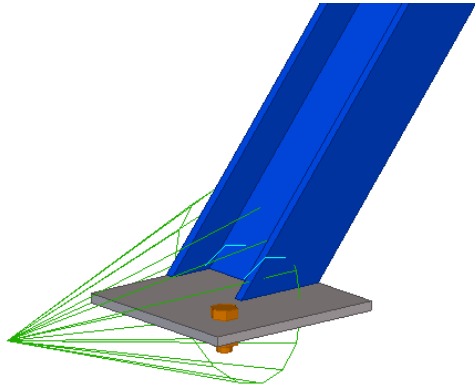
Holes in a profile (1037)

- Creates a holes in selected profile.



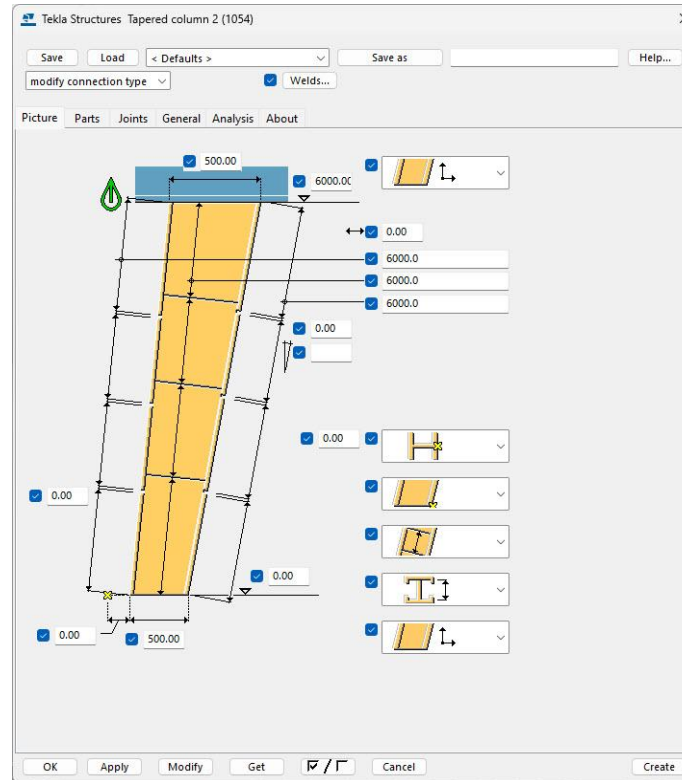
Base plate (1053)

- Creates a base plate under a beam.



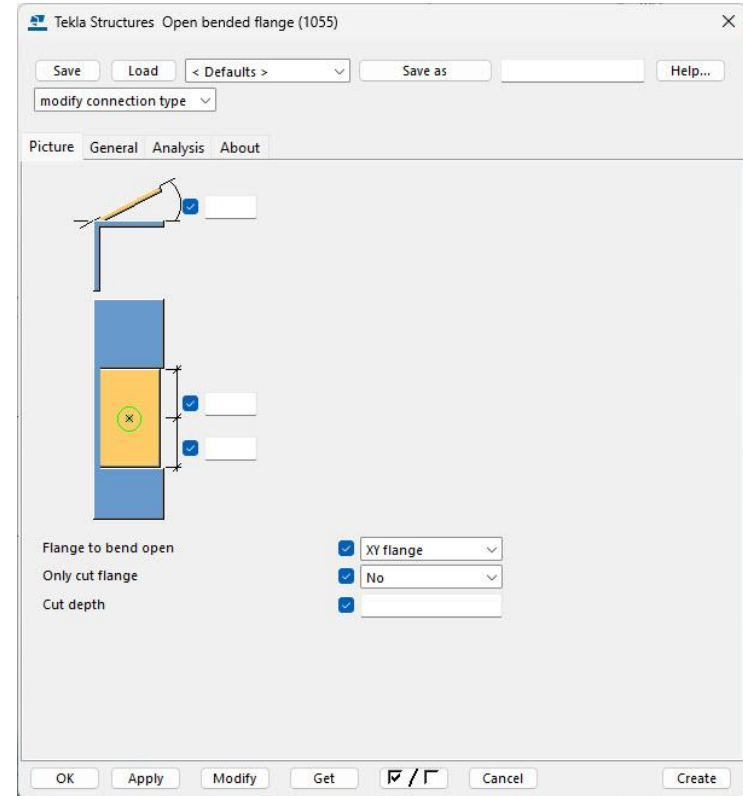
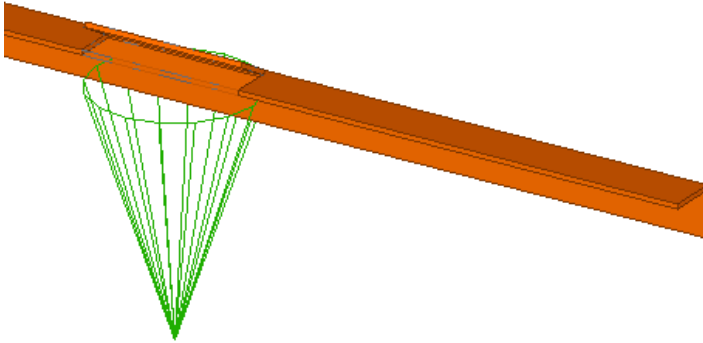
Tapered column (1054)

- Creates a tapered column under a beam.



Open bended flange (1055)

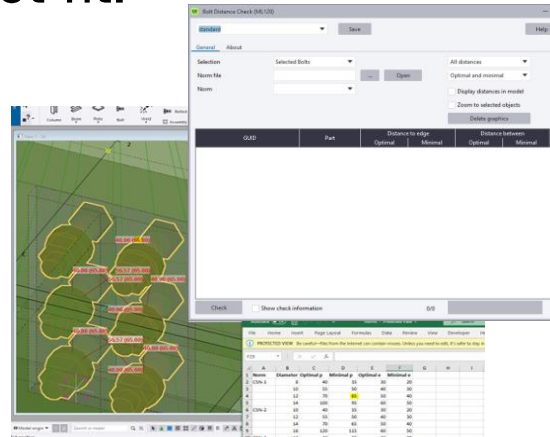
- Creates an open bended flange.



Bolt distances check (ML129)

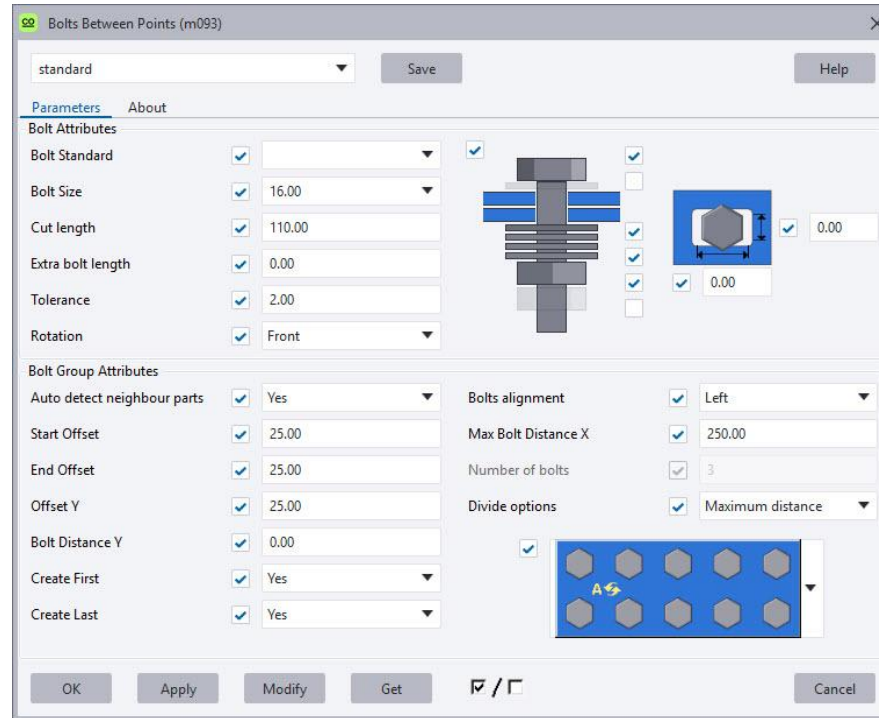
The tool checks minimal and optimal distances of bolts between bolts or from bolts to part edges.

- The distances are checked according to defined norms in a simple Excel.
- The incorrectly created bolts are listed.
- User can zoom the problematic bolts and display the distances which do not fit.



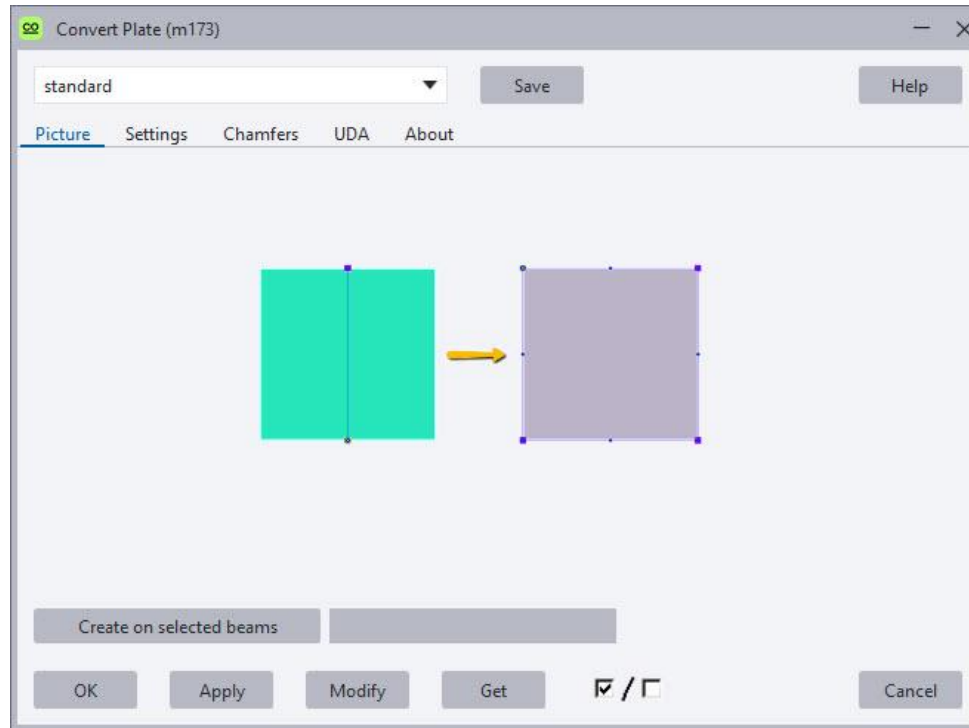
Bolts between points (m093)

- Creates bolts between 2 points picked.



Convert plate (m173)

- Converts beams with plate profile to classic plate.



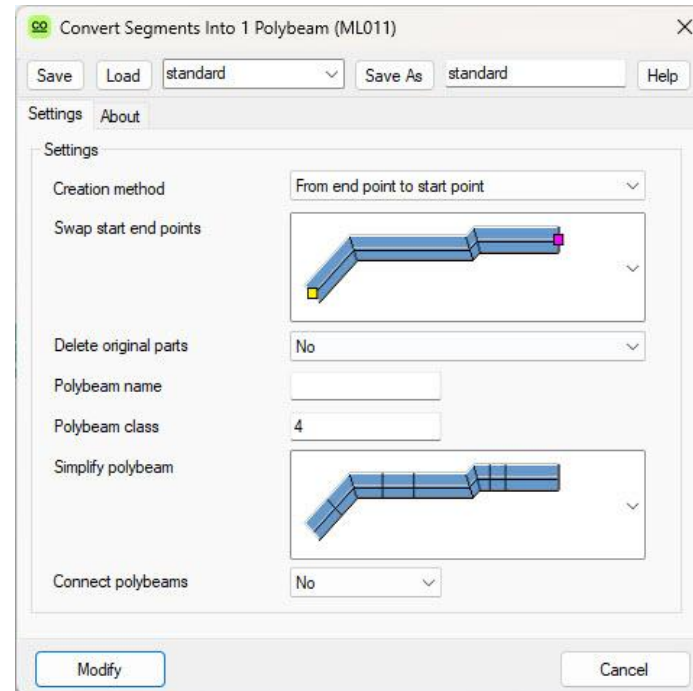
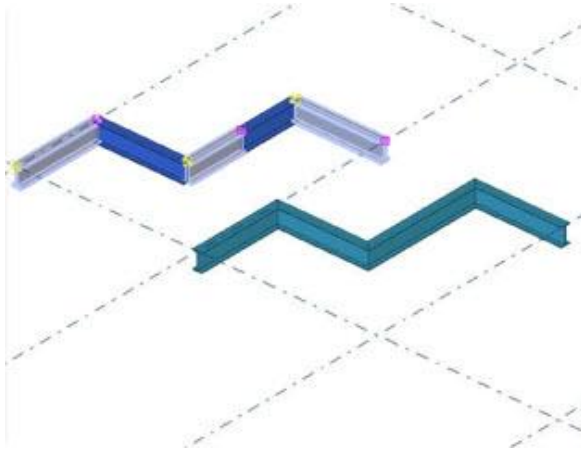
Convert rectangular plate to profile (ML521)

Converts polygonal plate to profile plate.



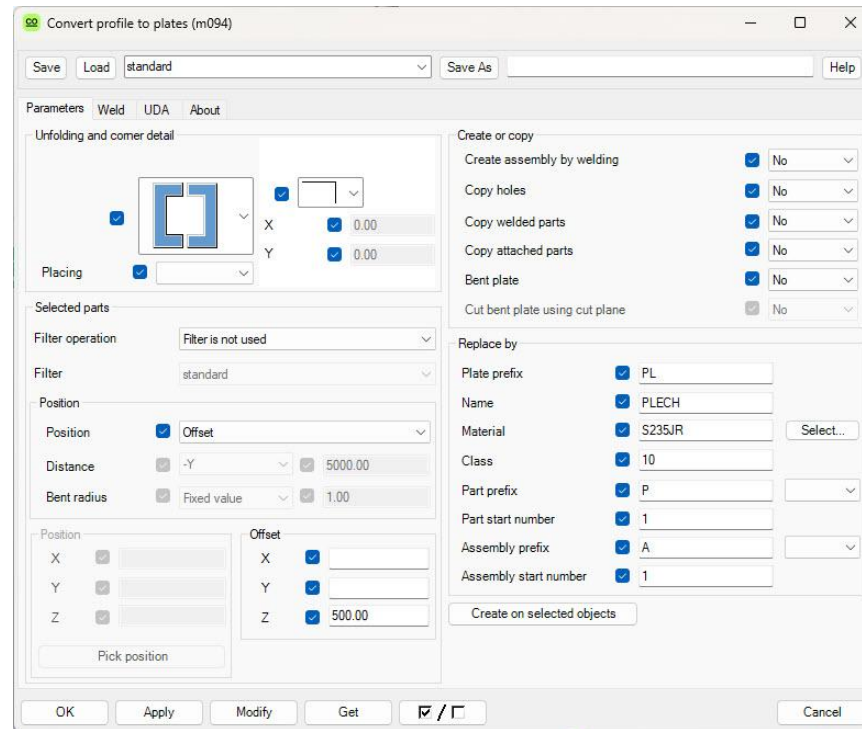
Convert segments into 1 polybeam (ML011)

Adds several separate parts into one polybeam.



Convert profile to plates (m094)

- Convert profile to plates.

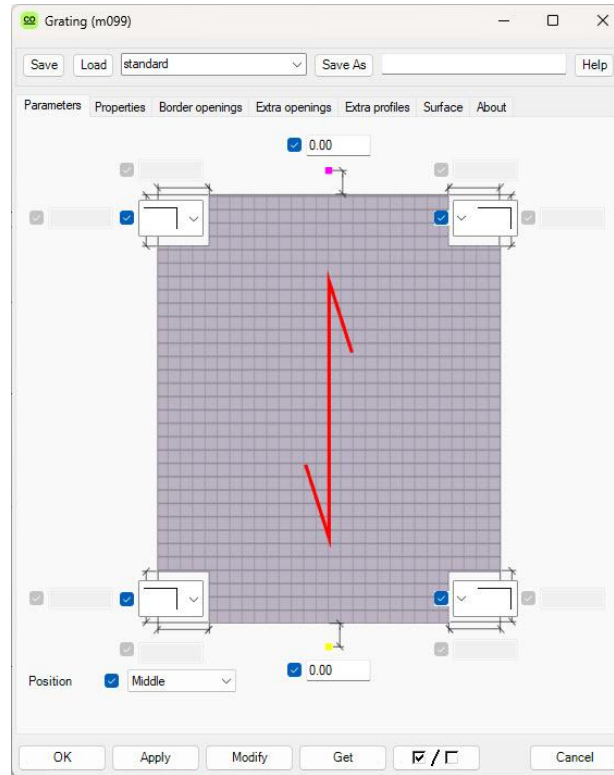


Fix weld marks (ML516)



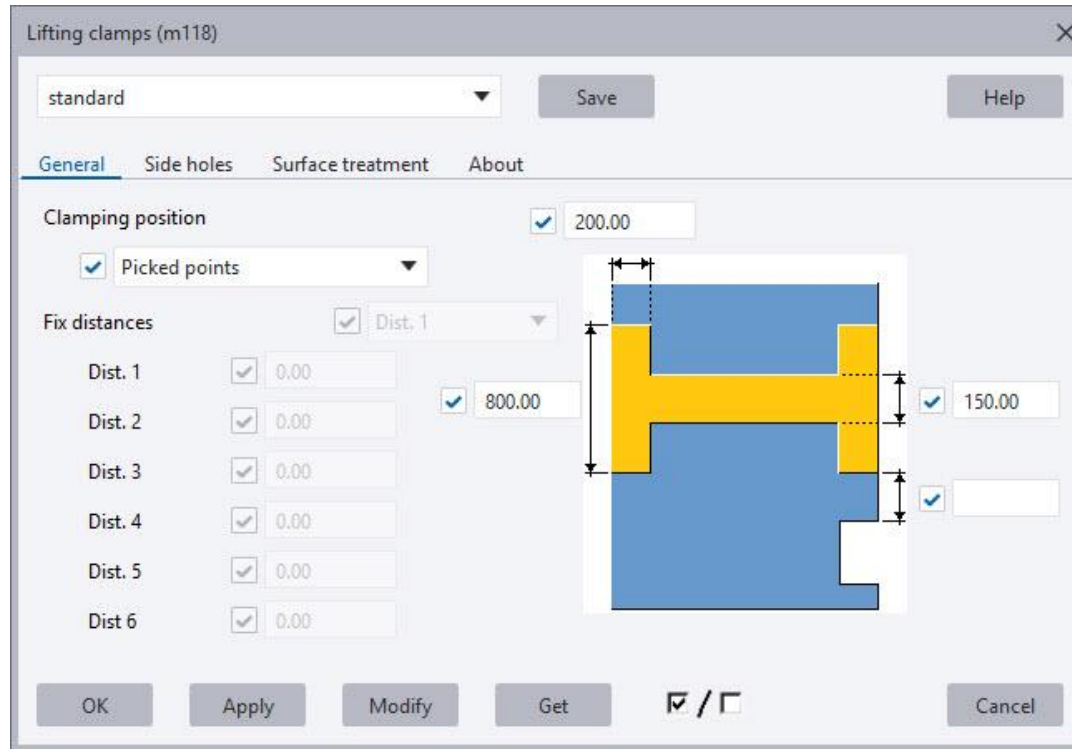
Grating (m099)

- Grating.



Lifting clamps (m118)

- Lifting clamps by picking 2 points.



Scaffolding beams and columns (m039)

- Models duplicate profiles which can be connected through a hole pattern.

Scaffolding beams and columns (m039)

Save Load standard Save As Help

Picture Holes in profiles Connecting parts UDA About

	t	b	h	Pos No	Material	Name	Class
Profile	☒		Select..	☒	☒ S235JR Select..	☒	☒ 1
Profile 2	☒			☒		☒	☒

☒  20.00

☒ 
 On plane ☒ Middle ☒
 Rotation ☒ Top ☒
 Depth ☒ Middle ☒

Fabricator name ☒

Type ☒

Nomination ☒

Article number ☒

Comment ☒

Create assembly ☒ Yes

☒  Vertical

OK Apply Modify Get ☒ / ☐ Cancel

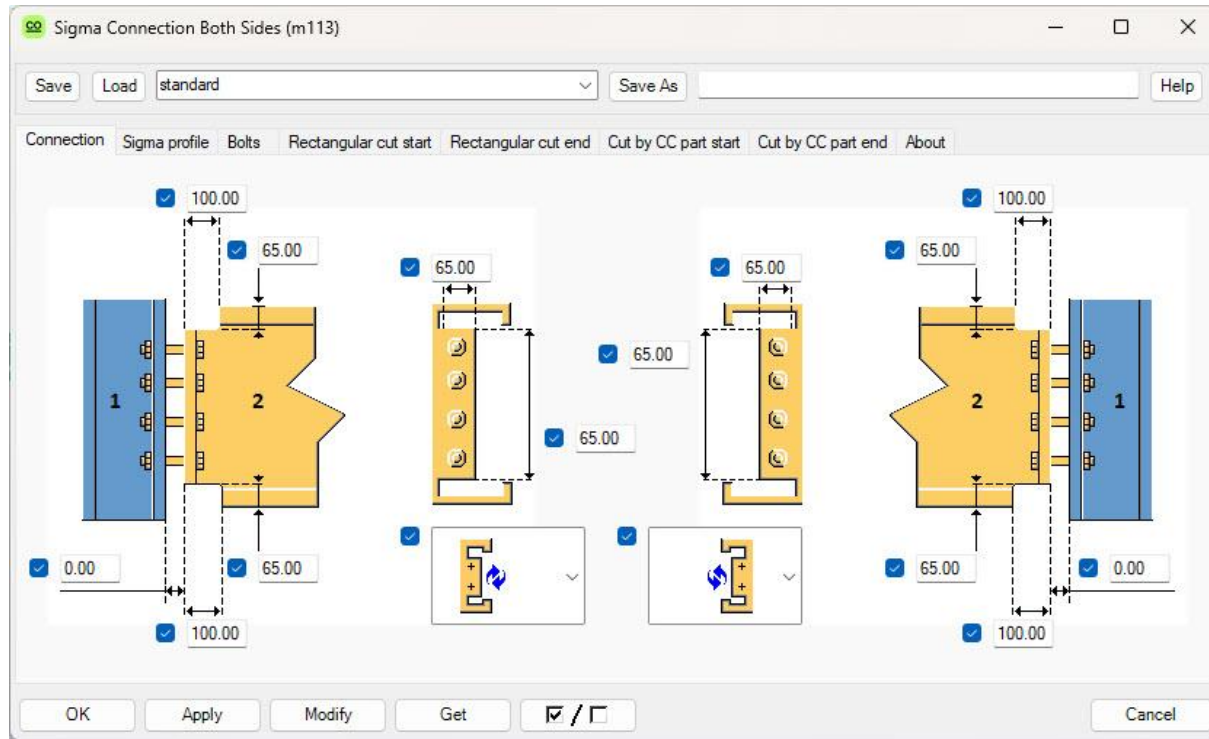


Show only selected assembly (ML512)



Sigma connection on both sides (m113)

- Creates a sigma connection on both sides by picking 2 parts.



Step extender (ML180)

