



PREVIOUS

LESSON

Creating and modifying structures, phase 1



NEXT

Video duration: 12 min **Practices: 7** **Tests: 5** **Total score: 22**

Creating and modifying structures is easy with modeling tools that are designed specifically for the trade. Using Tekla Structures, you can create 3D models quickly to visualize and explore how the structure will fit together when built.

Make sure to answer the **test questions** to gain **badges** which will be highlighted in your profile.

[Read more](#)

Practice

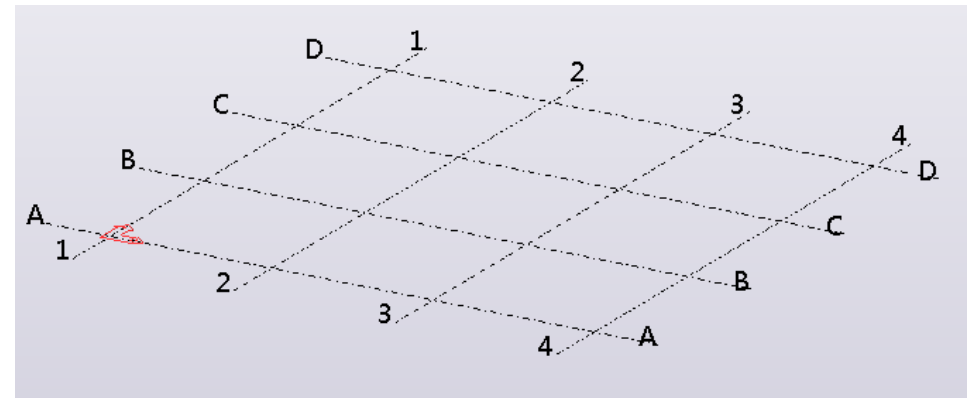
Grids Snapping Using commands Files and Folders

Modifying a grid

Try out modifying a grid. Which settings will correspond to each outcome?

A

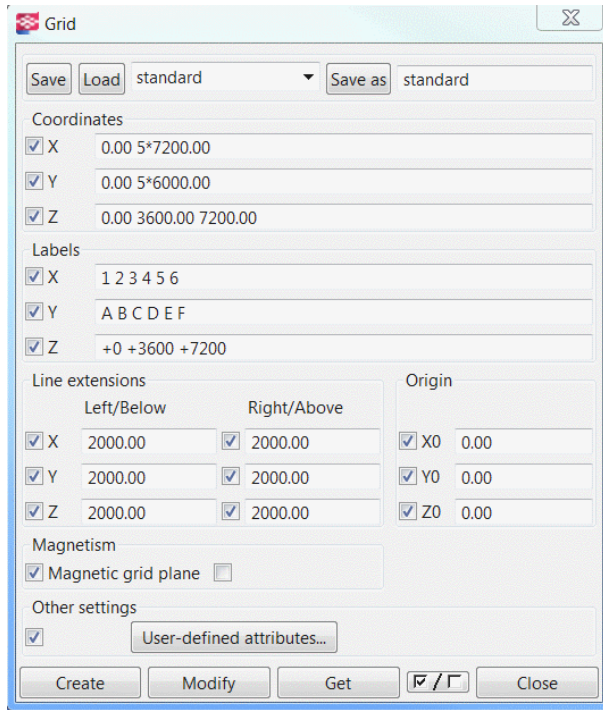
Outcome 1



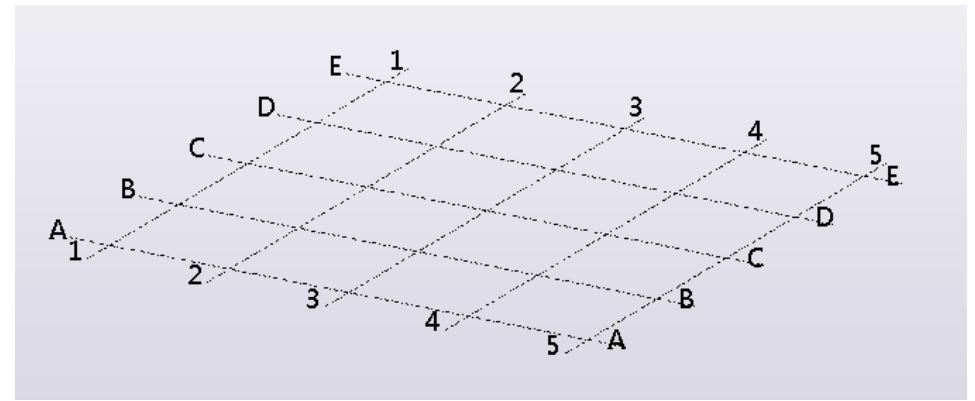
*

- Select -

Outcome 2



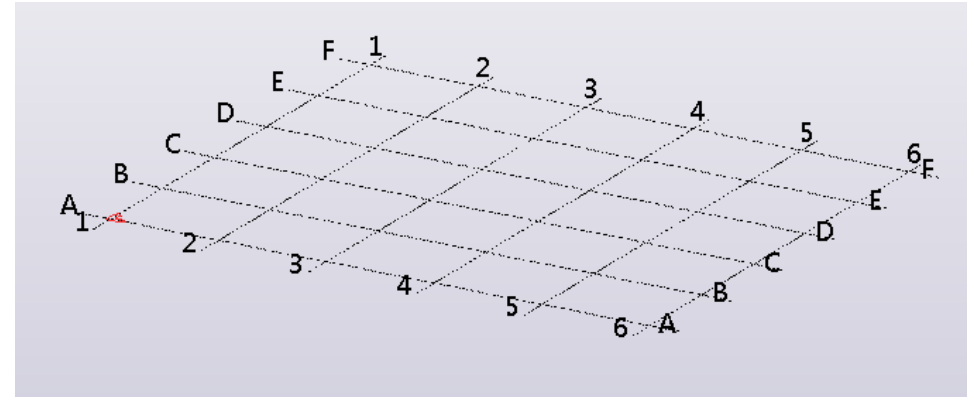
B



*

- Select -

Outcome 3



*

- Select -

Submit Show another

Grid

Save Load standard Save as standard

Coordinates

X 0.00 4*6000.00

Y 0.00 4*6000.00

Z 0.00 3600.00 7200.00

Labels

X 1 2 3 4 5 6

Y A B C D E F

Z +0 +3600 +7200

Line extensions

	Left/Below	Right/Above		Origin
<input checked="" type="checkbox"/> X	2000.00	<input checked="" type="checkbox"/> 2000.00	<input checked="" type="checkbox"/> X0	36000.00
<input checked="" type="checkbox"/> Y	2000.00	<input checked="" type="checkbox"/> 2000.00	<input checked="" type="checkbox"/> Y0	30000.00
<input checked="" type="checkbox"/> Z	2000.00	<input checked="" type="checkbox"/> 2000.00	<input checked="" type="checkbox"/> Z0	0.00

Magnetism

Magnetic grid plane

Other settings

User-defined attributes...

Create Modify Get / Close

C

Grid

Save Load standard Save as standard

Coordinates

X 0.00 3*5000.00

Y 0.00 3*5000.00

Z 0.00 3600.00 7200.00

Labels

X 1 2 3 4 5 6

Y A B C D E F

Z +0 +3600 +7200

Line extensions

	Left/Below	Right/Above		Origin
<input checked="" type="checkbox"/> X	2000.00	<input checked="" type="checkbox"/> 2000.00	<input checked="" type="checkbox"/> X0	0.00
<input checked="" type="checkbox"/> Y	2000.00	<input checked="" type="checkbox"/> 2000.00	<input checked="" type="checkbox"/> Y0	0.00
<input checked="" type="checkbox"/> Z	2000.00	<input checked="" type="checkbox"/> 2000.00	<input checked="" type="checkbox"/> Z0	0.00

Magnetism

Magnetic grid plane

Other settings

User-defined attributes...

Create Modify Get / Close

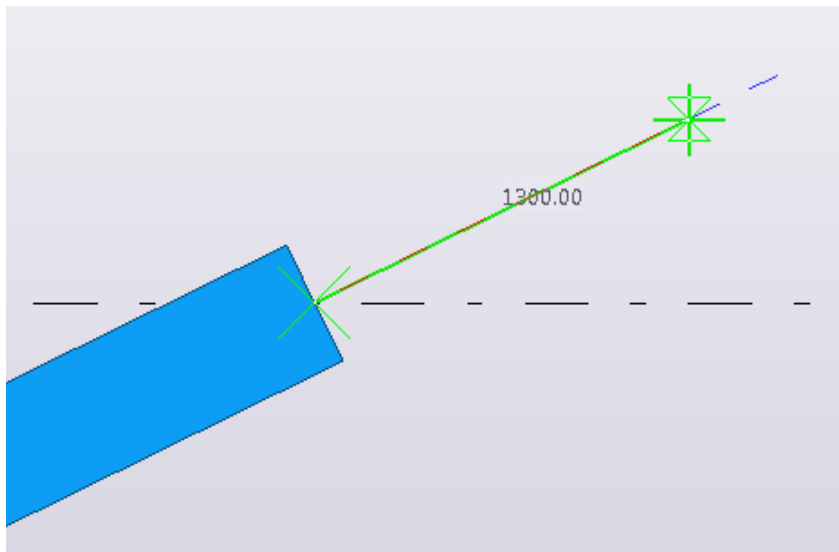
Tests

Test 1 0 / 5 Test 2 5 / 5 Test 3 4 / 4 Test 4 4 / 4 Test 5 3 / 4

16
22

Snapping

Which of these snap switches must be active in order to create a parallel beam?



- A
- B
- C
- D

Select one of the options *

SCORE



- A - Snap to any position
- B - Snap to centers of circles and arcs
- C - Snap to mid points
- D - Snap to the line extensions of nearby objects

Submit

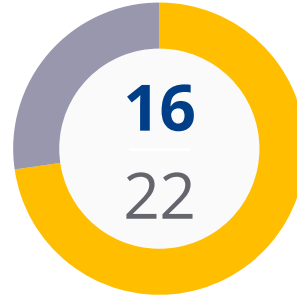
Wrong answer.

Opening a hint will also allow you to answer again.

Score




PREVIOUS




NEXT


MODELING



Start learning
Tekla
Structures


Creating and
modifying
structures,
phase 1


Basics of
structural
analysis &
design using
Tekla
Structures



Introduction
to
construction
drawings



Introduction
to BIM project
communication



Collaboration
& information
management



Construction
estimation



Introduction
to concrete
structures



Creating and
modifying
structures,
phase 2



Basics of
analysis &
design with
Tekla
Structural
Designer


Quickly
creating and
editing
drawings


Why is BIM
technology
important?


Clash
checking in
BIM models


Creating
detail for
structures


Site planning
for building
projects


Field layout

[« Back to learning path](#)



Trimble is an international company focusing on positioning-related technology for different industries. Tekla software solutions for advanced building information modeling and structural engineering are part of Trimble offering.

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Tekla Tedds

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Tekla online

Tekla User Assistance

Tekla Discussion Forum

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Tekla Developer Center

Contact

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Give feedback

Report piracy

Support

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