

Tekla Structures SCIA Engineer link

Release notes

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Release Notes

Thank you for upgrading to the latest version of CADS Tekla Structures SCIA Engineer link.

These release notes summarise the enhancements and corrections made.

The versions supported for the current release are:

Tekla Structures 2022, 2023	SCIA Engineer 22.0, 22.1, 24.0
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Version 2.0 (Build 235): October 2023

Enhancements

1. Support for Tekla Structures 2023.
2. Support for export and import of loads.
3. Support for export and import of parametric steel sections.

Version 1.9 (Build 155): March 2023

Corrections made

1. In certain instances, the hinges defined in SCIA Engineer produces an error in the Update workflow. This has been fixed.
2. Primary members connected to secondary members were causing an error while being updated back to SCIA Engineer. This has been fixed.
3. For some users, there was an issue in selection of SCIA Engineer version. This has been fixed.

Version 1.8 (Build 145): June 2022

Enhancements

1. Support for Tekla Structures 2022.

Corrections made

1. While importing L shaped concrete sections into Tekla Structures from SCIA Engineer, the orientation of the section was wrong in certain cases. This has been fixed.

2. In certain circumstances, reinforcements for T sections were not imported properly. This has been fixed.
3. In certain circumstances, changes to member and node positions in SCIA Engineer was not updated in Tekla Structures. This has been fixed.
4. Reinforcements were not imported from SCIA Engineer when the language used was Slovak or Portuguese. This has been fixed.

Version 1.7 (Build 133): April 2022

Corrections made

1. Importing SCIA Engineer model into Tekla Structures failed when using 10Duke protection. This has now been fixed.

Version 1.6 (Build 132): September 2021

Corrections made

1. While importing SCIA Engineer model into Tekla Structures, some of the cross sections types were not imported. This has been fixed.

Version 1.5 (Build 131): May 2021

Enhancements

1. Support for Tekla Structures 2021.

Corrections made

1. While importing geometrical sections into Tekla Structures, some of the sections were not imported. This has been fixed.

Version 1.4 (Build 123): August 2020

Enhancements

1. Export of twin profiles to SCIA Engineer is now supported, with the twin profiles being exported as two separate members to SCIA Engineer;
2. Import of reinforcement from SCIA Engineer is now supported;
3. Export of 1D reinforcement to SCIA Engineer is now supported for rectangular, circular, T and L sections;
4. Support for Tekla Structures 2019i.

Version 1.3 (Build 92): August 2019

Enhancements

1. Support for openings in 2D members.

Version 1.2 (Build 82): April 2019

Enhancements

1. Support for Tekla Structures 2018i and 2019.

Version 1.1 (Build 68): August 2018

Corrections made

1. End reactions were not exported for concrete members. This has now been fixed;
2. Non-analytical members were removed during update of members from SCIA Engineer to Tekla Structures. This has now been fixed;

Version 1.0 (Build 66): June 2018

Enhancements

1. Support for Tekla Structures 2017i and 2018.

Version 1.0 (Build 62): May 2018

1. First release of Tekla Structures - SCIA Engineer link.

Program features

1. Transfer of 1D and 2D members;
2. Transfer of supports;
3. Transfer of rigid links;
4. Transfer of releases/hinges on 1D members.
5. Transfer of rotation, eccentricity and alignment of 1D members;
6. Transfer of data can be done directly or using file exchange between Tekla Structures and SCIA Engineer.
7. Import of end reactions for a selected load case/comboination/result class from SCIA Engineer to Tekla structures.
8. Export/update of only selected members from Tekla Structures to SCIA Engineer;
9. Automatic mapping of cross section and material for standard sections/materials;
10. Cross section can be exported as numerical sections or general sections during export from Tekla Structures to SCIA Engineer.
11. Materials can be exported as unknown material from Tekla Structures to SCIA Engineer.
12. Option to ignore walls, slabs, supports, rigid links and member releases during transfer;
13. Log of all the exported, skipped and failed members will be displayed and saved after data transfer.

Limitations

1. Curved members are not supported in this version;
2. Tapered members are not supported in this version;
3. Openings are not supported in this version;
4. Footings are not supported in this version;
5. Loads and Load combinations are not supported in this version;
6. Analysis results are not supported in this version;
7. If the Reference Line and the Analytical line are different in Tekla Structures, the Reference line details will not be retained when there is a round trip originating in Tekla Structures. Only the Analytical line details will be retained;
8. If the analytical line in Tekla structures is located at the Centre of the cross section, it will be exported to SCIA Engineer to the neutral axis position.