

SCIA
ENGINEER



TEKLA STRUCTURES
SCIA ENGINEER LINK
RELEASE NOTES



 **AUTODESK.**
Authorised Developer

Microsoft Partner
Gold Application Development

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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 2018i, 2019	SCIA Engineer 18.1, 19.0, 19.1
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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.