

FWS+

Trusses Steel

The FWS+ application is suitable for the structural calculation and design of latticed steel girders and trusses typical in portal frame construction:

- Parallel truss
- Hip truss
- Double hip truss
- Double-pitch roof
- Single-pitch roof

Continuous chords can be taken into account as rigid bars.

barloads due to wind and snow are generated by the program.

Standards

Structural safety analysis according to EN 1993-1-1 taking into account the regulations of the National Annexes.

- DIN EN 1993-1-1/NA
- ÖNORM B 1993-1-1
- BS EN 1993

For snow and wind loads, the standards EN 1991-1-3 and EN 1991-1-4 apply, taking into account the regulations of the National Annexes.

- DIN EN 1991-1-3/NA; DIN EN 1991-1-3/NA
- ÖNORM B 1991-1-3; ÖNORM B 1991-1-4

Load transfer

The characteristic support forces can be transferred to the programs

- Single-span Steel Column STS +
- Timber column HO1 +
- Reinforced Concrete Column B5
- Steel Girder Support ST4
- Reinforced Concrete Corbel B9

Interface for extended proof of stability in BTI+

If the program BTII+ (Lateral Torsional Buckling Analysis) is licensed, top and bottom chord and optionally the vertical edge bars can be transferred to BTII+. In the program BTII+ a calculation of more complex systems is possible.

