

# ST4

## Steel Girder Support

The ST4 application allows the calculation of various girder supports. The forces can be transmitted with the help of stiffeners (ribs) or without them.

### Load transmission options

- Girder on girder
- Girder on wall
- Girder on cleat
- Load on girder
- Girder on column

### Basis of calculation

- DIN EN 1993
- ÖNORM EN 1993
- BS EN 1993
- DIN 18800

Load introduction:

EN 1993-1-5

Cross-sectional verifications:

EN 1993-1-1.

Input of internal forces at the cross section is possible. The corresponding interaction will be taken into account.

Verification of the stiffeners in accordance to Eurocode with Kindmann/Stracke („Verbindungen im Stahl- und Verbundbau“, Kap. 3.3.). Useful dimensioning and verification of stiffeners (full/sectional) welds.

The calculation of the bearing pressure in masonry walls has been completely revised - the regulations of Eurocode are included.

