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Should I use Strut or Combine?

Johan - 2020-03-19 - 0 Comments - in S01:Member design for axial stress

Strut (Member design for axial stress) -- can be used to design any hot-rolled section for axial stress. Because the design procedure is relatively simple, design results are presented in tabular format. This feature makes the program especially useful when designing a large number of struts and ties. Non-symmetric sections like angles are supported.

Combine (Member design for combined stress) -- can be used to design hot-rolled doubly symmetric sections and channels subjected to axial and bending stress. Non-symmetric sections like angles are not supported. More design checks need to be performed for each member requiring more detailed output.

The two modules use a similar design approach. Although there may seem to be a degree of overlapping in their design features, the two rather complement each other with specialised individual design functions. You will typically use them to design the different components of the same structure, e.g. design a roof truss in **Strut** and its supporting columns in **Combine**.