



Structural  
Engineering  
Software



Analysis of sections under load

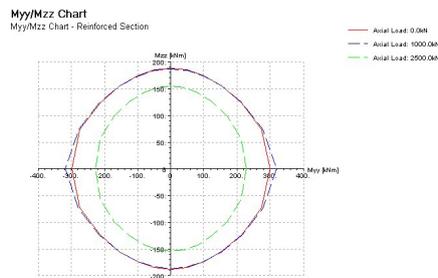
An AdSec analysis gives the engineer details of how their section responds to combined axial load and bending moments. It can analyse concrete, steel and fibre-reinforced polymer (FRP) sections and compound sections made up from the basic sections.

refurbishment projects, enabling engineers to calculate the capacity of existing beams and columns, and showing how much improvement can be achieved from FRP reinforcement or adding extra concrete to the section.

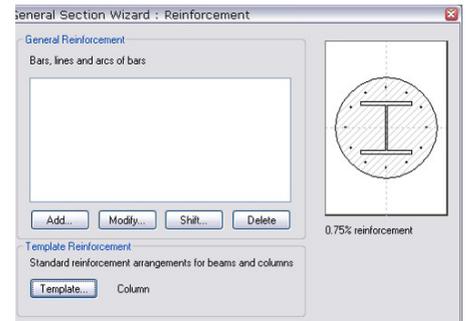
irregular sections. Simple parametric input of geometry and reinforcement layout allows for the rapid definition of regularly shaped beam and column sections. Tools then allow users to assemble these into more complex (compound) sections.



Analysis of sections under load and bending moments

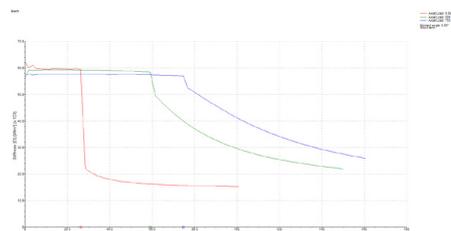


Myy Mzz chart - reinforced section



General section wizard reinforcement

For uniaxial and biaxial conditions, the software gives analysis options for serviceability and ultimate limit states a variety of design codes, you can also calculate how the section stiffness changes as it cracks and yields.



Axial Load (N) v AdSec Moment/Stiffness of RC Beam

AdSec offers convenient tools for generating

Benefits

- Accurately predicts important details for reinforced concrete cross sections.
- Analyse using Eurocodes and other International standards.
- Locked-in stress and staged analysis for compound sections

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