B5-SAS

Reinforced Concrete Column: Option High-Strength Steel SAS 670

B5 + calculates reinforced concrete columns and walls under uniaxial and biaxial loading.

B5 + also includes high-strength SAS 670 reinforcement for nominal curvature processes as standard.

The additional option B5-SAS extends the range of functions for the steel grade SAS 670 from Annahütte to include the non-linear calculation (general method) of single-storey columns.

The general method is not based on the basic assumptions of the simplified calculation method (nominal curvature method), some of which are strongly on the safe side, and thus allows a significantly economical dimensioning of columns with high-strength reinforcement.

With this additional option, the column is calculated in full by default at the typically decisive start of use / infinite times, and optionally also at all times of load application and up to 5 additional times that can be freely selected. Here, the full load history is taken into account in all calculations on the cross-section to determine the possible strain redistribution (from concrete to steel).

For further information see the product data sheet B5plus.