EuroTec calculation service

Rock concrete screw according to ETA-15/0886

The specialist for fastening technology

by phone 02331 6245-444 · by fax 02331 6245-200 · by e-mail technik@eurotec.team

Please contact our technical department or use the free calculation services in the service section of our website.

Contact

Trader: _____

Contact Person: _____

e-mail: _____

Project: _____

Contractor: _____

Contact Person: _____

Phone: _____

e-mail: _____

Project details

Concrete

Strength category:
(if known; min. C20/25) _____

Construction component:
(e.g. strip footing, floor slab, wall, ceiling, etc.) _____

Component thickness h: _____ mm

Attachment

☐ Steel ☐ Wood _____
strength class of wooden attachment

Attachment thickness: _____ mm

Diameter of through hole: _____ mm

Loads (rated values) _____ mm

Normal force along X axis: N_d: _____ kN

Shear force along Y axis: $V_{y,d}$: _____ kN

Shear force along Z axis: $V_{z,d}$: _____ kN

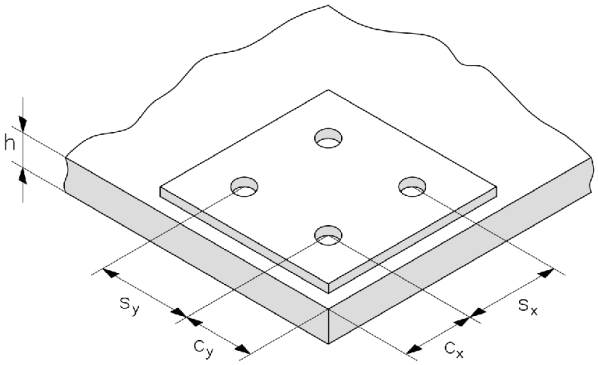
Moment around X axis: $M_{x,d}$: _____ kNm

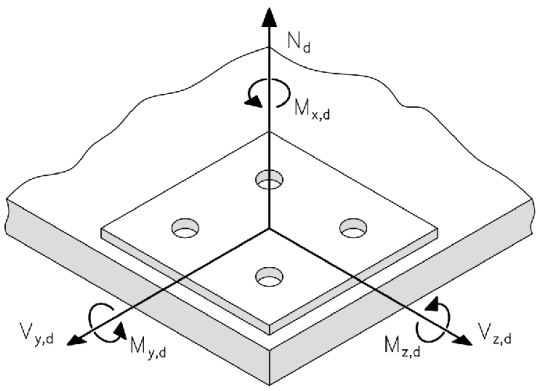
Moment around Y axis: $M_{y,d}$: _____ kNm

Moment around Z axis: $M_{z,d}$: _____ kNm

A detailed sketch of the joint must be enclosed with the inquiry, stating the following details:

- Geometry of concrete and attachment
- Edge and centre distances *C* and *S*
- Position of attachment relative to concrete component
- Position (and angle, where applicable) of force application point on the attachment





Screw selection

☐ Ø 7,5 mm countersunk head

☐ Ø 7,5 mm hex head, flange ☐ Ø 7,5 mm hex head

☐ Ø 10,5 mm hex head ☐ Ø 12,5 mm hex, flange

☐ Ø 10,5 mm hex head, flange ☐ Ø 12,5 hex head, flange