

**Technical data**

| TYPE | Anchorage depth (mm)       | Min. thickness of base material (mm) | Drilling diameter (mm)  | Drilling depth (mm)     | Total anchor length (mm) | Eurocode |
|------|----------------------------|--------------------------------------|-------------------------|-------------------------|--------------------------|----------|
|      | <b><math>h_{ef}</math></b> | <b><math>h_{min}</math></b>          | <b><math>d_o</math></b> | <b><math>h_o</math></b> | <b>L</b>                 |          |
| P6   | 25                         | 50                                   | 6                       | 35                      | 64                       | 920837   |

**Anchor mechanical properties**

|   |     |
|---|-----|
| $f_{uk}$ (N/mm <sup>2</sup> ) min. tensile strength | 450 |
| $f_{yk}$ (N/mm <sup>2</sup> ) Yield strength        | 400 |

**Recommended loads (kN)**

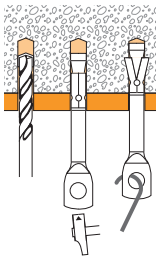
|  | TENSILE kN | OBLIQUE kN | SHEAR kN | TYPE | $h_{ef}$ | Concrete  |           |           |           |           |           | Concrete rendered (max 5 mm): recommended load reduced to 50% |
|--|------------|------------|----------|------|----------|-----------|-----------|-----------|-----------|-----------|-----------|---|
|  |            |            |          |      |          | C 20/25   |           | C 30/37   |           | ≥ C 40/50 |           |   |
|  |            |            |          |      |          | $N_{rec}$ | $N_{u,m}$ | $N_{rec}$ | $N_{u,m}$ | $N_{rec}$ | $N_{u,m}$ |   |
|  |            |            |          | P6   | 25       | 1,50      | 6,00      | 1,80      | 7,00      | 2,20      | 8,60      |   |
|  |            |            |          | TYPE | $h_{ef}$ | $V_{rec}$ | $V_{u,m}$ | $V_{rec}$ | $V_{u,m}$ | $V_{rec}$ | $V_{u,m}$ |   |
|  |            |            |          | P6   | 25       | 1,40      | 5,60      | 1,70      | 6,80      | 1,70      | 6,80      |   |

**Applications**

- Suspended ceiling
- Lighting

**Installation**

- Drill Ø6 hole, depth 35 mm and insert the anchor using a hammer
- Set the anchor using a claw hammer



**Fire behaviour**

| Characteristic resistance* (kN) |        |         |
|---------------------------------|--------|---------|
| Exposure time                   | 60 min | 120 min |
| P6                              | 0,085  | 0,045   |

\*Values calculated according to the technical report TR 020 published by EOTA  
 "Evaluation of anchorages in concrete concerning resistance to fire".

