

# Loads

## Universal plug UX

Recommended loads<sup>1)</sup> for a single anchor.

The given loads are valid for wood screws with the specified diameter.

| Type   |                                 | UX 5 x 30 | UX 6 x 35 | UX 6 x 50 | UX 8 x 40<br>UX 8 x 50 | UX 10 x 60 | UX 12 x 70 | UX 14 x 75 |      |
|--|---------------------------------|-----------|-----------|-----------|------------------------|------------|------------|------------|------|
| Wood screw diameter  | [mm]                            | 4         | 5         | 5         | 6                      | 8          | 10         | 12         |      |
| Recommended loads in the respective base material $F_{rec}^{2)}$ |                                 |           |           |           |                        |            |            |            |      |
| Concrete   | ≥ C20/25                        | [kN]      | 0.30      | 0.40      | 0.60                   | 0.60       | 1.00       | 1.50       | 1.80 |
| Solid brick  | ≥ Mz 12                         | [kN]      | 0.20      | 0.20      | 0.30                   | 0.30       | 0.50       | 0.70       | 0.80 |
| Perforated sand-lime brick                                       | ≥ KSL 12                        | [kN]      | 0.30      | 0.40      | 0.40                   | 0.50       | 0.60       | 0.80       | 0.80 |
| Vertically perforated brick                                      | ≥ HLz 12                        | [kN]      | 0.20      | 0.20      | 0.20                   | 0.20       | 0.20       | 0.30       | 0.40 |
| Aerated concrete   | ≥ AAC 4 (G4)                    | [kN]      | 0.15      | 0.20      | 0.20                   | 0.30       | 0.40       | 0.60       | 0.70 |
| Gypsum plasterboard  | 12.5 mm                         | [kN]      | 0.10      | 0.10      | 0.10                   | 0.10       | 0.10       | -          | -    |
| Gypsum plasterboard  | 25 mm                           | [kN]      | 0.10      | 0.15      | 0.15                   | 0.15       | 0.15       | -          | -    |
| Gypsum fibreboard  | (Fermacell)                     | [kN]      | 0.20      | 0.20      | 0.20                   | 0.20       | 0.25       | -          | -    |
| Gypsum block   | $\rho \geq 0.9 \text{ kg/dm}^3$ | [kN]      | -         | -         | -                      | 0.15       | 0.35       | 0.45       | 0.50 |

<sup>1)</sup> Required safety factors are considered. Valid for installation and use in dry base material for temperatures in the substrate up to +24 °C (resp. short term up to +40 °C).

<sup>2)</sup> Valid for tensile load, shear load and oblique load under any angle.