

## DuoPower

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

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

| Type   |  | 5 x 25 | 6 x 30 | 6 x 50 | 8 x 40             | 8 x 65 | 10 x 50            | 10 x 80 | 12 x 60            | 14 x 70            |                    |
|--|--|--------|--------|--------|--------------------|--------|--------------------|---------|--------------------|--------------------|--------------------|
| Wood screw diameter  | [mm]   | 4      | 5      | 5      | 6                  | 6      | 8                  | 8       | 10                 | 12                 |                    |
| Min. edge distance concrete                                      | $c_{min}$<br>[mm]                            | 30     | 35     | 35     | 50                 | 50     | 65                 | 65      | 80                 | 100                |                    |
| Recommended loads in the respective base material $F_{rec}^{2)}$ |  |        |        |        |                    |        |                    |         |                    |                    |                    |
| Concrete   | ≥ C20/25                                     | [kN]   | 0.40   | 0.95   | 1.65               | 1.10   | 2.30               | 2.15    | 4.20               | 3.30               | 5.30               |
| Solid brick  | ≥ Mz 12                                      | [kN]   | 0.30   | 0.50   | 0.55               | 0.62   | 0.69               | 1.20    | 1.45               | 1.30               | 1.35               |
| Solid sand-lime brick  | ≥ KS 12                                      | [kN]   | 0.50   | 1.00   | 1.60               | 1.25   | 2.25               | 2.20    | 3.85               | 2.80               | 4.50               |
| Aerated concrete   | ≥ AAC 2 (G2)                                 | [kN]   | 0.05   | 0.10   | 0.15               | 0.10   | 0.16               | 0.20    | 0.30               | 0.24               | 0.35               |
| Aerated concrete   | ≥ AAC 4 (G4)                                 | [kN]   | 0.25   | 0.38   | 0.55               | 0.42   | 0.60               | 0.60    | 1.10               | 1.00               | 1.45               |
| Vertically perforated brick                                      | ≥ Hlz 12 ( $\rho \geq 0.9 \text{ kg/dm}^3$ ) | [kN]   | 0.13   | 0.15   | 0.17               | 0.25   | 0.40               | 0.25    | 0.40               | 0.35               | 0.40               |
| Perforated sand-lime brick                                       | ≥ KSL 12 ( $\rho \geq 1.6 \text{ kg/dm}^3$ ) | [kN]   | 0.40   | 0.60   | 0.60               | 0.70   | 1.00               | 0.70    | 2.00               | 0.75               | 1.50               |
| Gypsum block   | ( $\rho \geq 0,9 \text{ kg/dm}^3$ )          | [kN]   | 0.10   | 0.18   | 0.37               | 0.25   | 0.50               | 0.35    | 0.65               | 0.50               | 0.50               |
| Gypsum fibreboard  | 12.5 mm                                      | [kN]   | 0.24   | 0.33   | 0.35               | 0.35   | -                  | 0.50    | -                  | -                  | -                  |
| Gypsum plasterboard  | 12.5 mm                                      | [kN]   | 0.12   | 0.15   | 0.15               | 0.15   | -                  | 0.15    | -                  | -                  | -                  |
| Gypsum plasterboard  | 2 x 12.5 mm                                  | [kN]   | 0.13   | 0.15   | 0.24               | 0.20   | 0.32               | 0.30    | -                  | -                  | -                  |
| Mattone Forato Typ F8  |  | [kN]   | 0.30   | 0.30   | -                  | 0.25   | -                  | 0.25    | -                  | -                  | -                  |
| Tramezza Doppio UNI 19   |  | [kN]   | 0.15   | 0.15   | 0.23               | 0.15   | 0.30               | 0.20    | 0.52               | 0.35               | 0.35               |
| Sepa Parpaing  |  | [kN]   | 0.30   | 0.45   | 0.25 <sup>3)</sup> | 0.45   | 0.45 <sup>3)</sup> | 0.45    | 0.45 <sup>3)</sup> | 0.60 <sup>3)</sup> | 0.60 <sup>3)</sup> |

<sup>1)</sup> Required safety factors are considered.

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

<sup>3)</sup> Load determination on plastered wall.