The Formwork Experts.

Doka express anchor
16x125mm
Art.-Nr. 588631000

Fitting instructions
Installation and dismounting

Installation

Animation: [https://player.vimeo.com/video/281800669](https://player.vimeo.com/video/281800669)

**WARNING**
- Use Doka coils 16mm only with the Doka express anchor 16x125mm.
- Never use Doka coils 16mm on normal standard screws or anchors.
- Screw the Doka coil 16mm onto the Doka express anchor 16x125mm only in the direction indicated. Do not pre-spread.
- The express anchor may only be re-used after performing a check for wear with the Gauge for Doka express anchor 16x125mm, and provided that this check has been successfully passed.

Dismounting and check for reusability

*a* ... Nominal drill bit diameter 5/8" (16 mm)

*b* ... Depth of drilled hole 5 1/2" (135 mm) (The depth of the drilled hole b can be reduced by dimension c.)

*c* ... Max. thickness of attached part 5/8" (15 mm)

*d* ... Diameter of hole drilled in the attached part 5/8"-1" (17-25 mm)

*e* ... Width-across 1 3/8" (36 mm)

*f* ... Torque Tmin 133 ft-lb (180 Nm)

**A** Doka coil 16mm (art. n° 588633000)
- Expendable part, can be used once only

**B** Gauge for Doka express anchor 16x125mm (art. n° 588632000)
Structural design

Permissible values (4 : 1 safety factor) of temporary fixing points in uncracked concrete

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<th>Shear force $V_{perm}$ [kip]</th>
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Permissible values (4 : 1 safety factor) of back-stays on ring (values apply to uncracked concrete)

- Max. thickness of attached part $\frac{5}{8}"$ (15 mm)

Boundary conditions

- Anchoring depth $h_{ef}$ ... $3\ \frac{3}{4}"$ (95 mm)
- Building-element thickness $h_{\text{min}}$ ... $8"$ (200 mm)
- Distance from edge $c$ ... 1'-4" (400 mm)
- Distance from one another $s$ ... min. 3'-11" (1200 mm)

The following simplified values may be used:

- Permitted load $F_{perm}$ in concrete with $f_{ck,cube,current} > 1500$ psi: 2.1 kip
- Permitted load $F_{perm}$ in concrete with $f_{ck,cube,current} > 3500$ psi: 3.3 kip

NOTICE
If the ring is damaged (deformed), it is not permitted to use this back-stay!