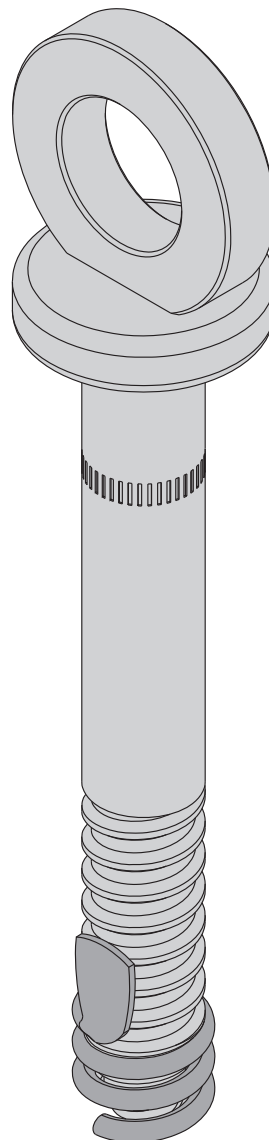


The Formwork Experts.

Doka express anchor 16x125mm

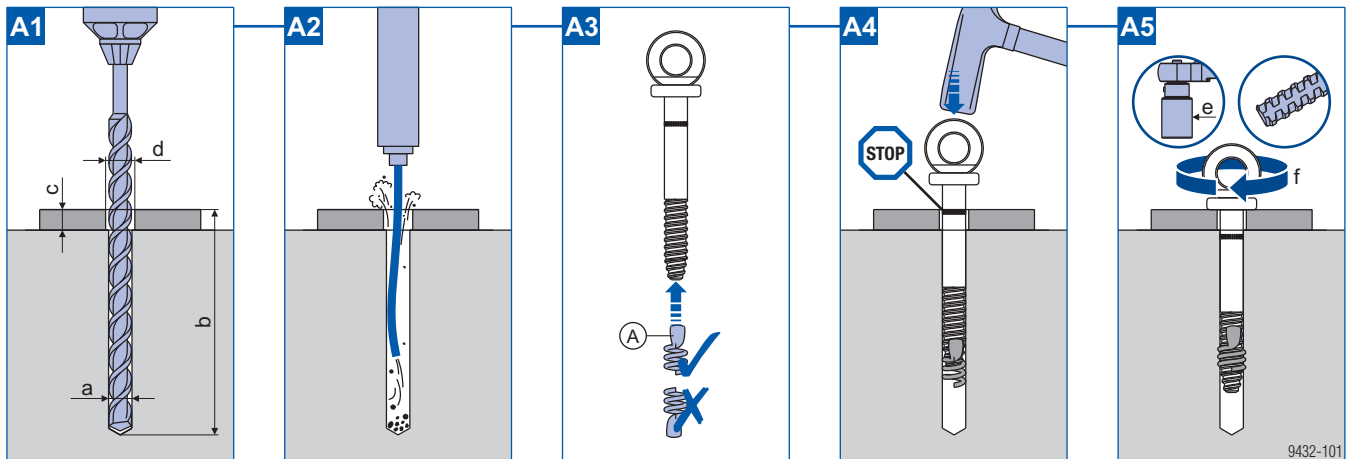
Art.-Nr. 588631000

Fitting instructions



Installation and dismounting

Installation



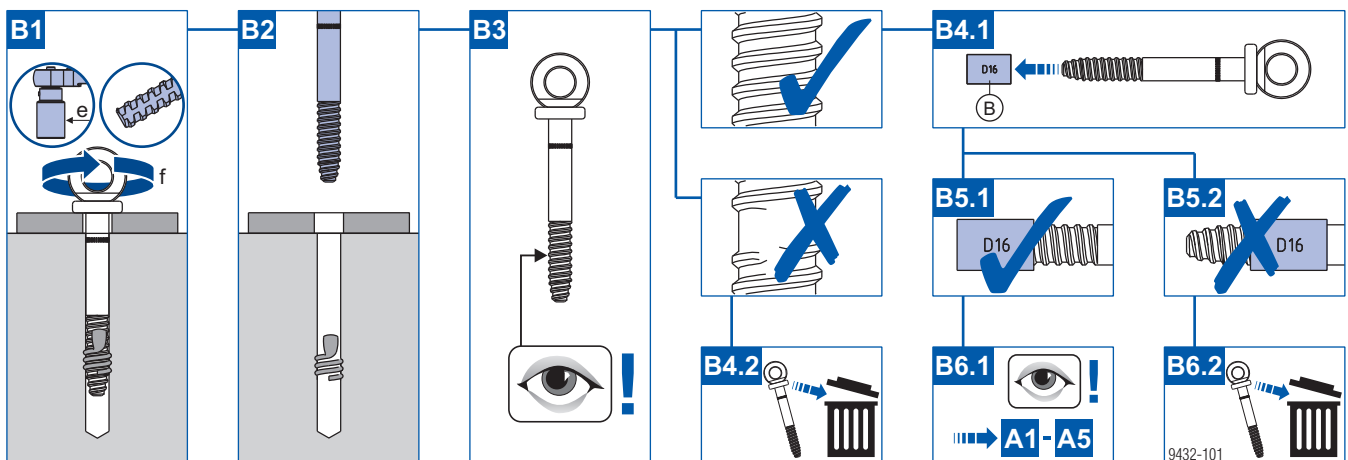
Animation: <https://player.vimeo.com/video/281800669>



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

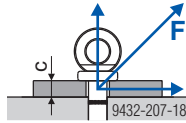


- a ... Nominal drill bit diameter $\frac{5}{8}$ " (16 mm)
 b ... Depth of drilled hole $5 \frac{1}{2}$ " (135 mm) (The depth of the drilled hole b can be reduced by dimension c.)
 c ... Max. thickness of attached part $\frac{5}{8}$ " (15 mm)
 d ... Diameter of hole drilled in the attached part $\frac{5}{8}$ "-1" (17-25 mm)
 e ... Width-across $1 \frac{3}{8}$ " (36 mm)
 f ... Torque T_{min} 133 ft-lb (180 Nm)

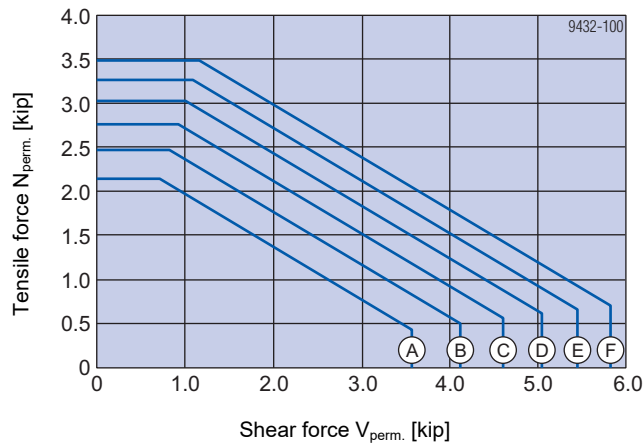
- A** Doka coil 16mm (art. n° 588633000)
 Expendable part, can be used once only
- B** Gauge for Doka express anchor 16x125mm (art. n° 588632000)

Structural design

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



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



A $f_{ck,cube,current} > 1500$ psi

B $f_{ck,cube,current} > 2000$ psi

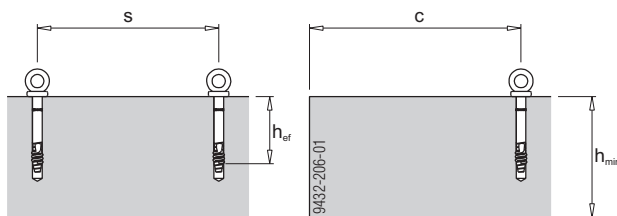
C $f_{ck,cube,current} > 2500$ psi

D $f_{ck,cube,current} > 3000$ psi

E $f_{ck,cube,current} > 3500$ psi

F $f_{ck,cube,current} > 4000$ psi

Boundary conditions



Anchoring depth h_{ef} ... 3 3/4" (95 mm)

Building-element thickness h_{min} ... 8" (200 mm)

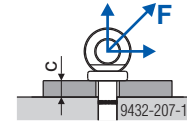
Distance from edge c ... 1'-4" (400 mm)

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

Permissible values (4 : 1 safety factor) of back-stays on ring (values apply to uncracked concrete)



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

Permitted load $F_{perm.}$ where $f_{ck,cube,current} \geq 1500$ psi:
2.1 kip



NOTICE

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