**CLEANING BRUSH SYSTEM**

Manual cleaning

1. Drill the hole to the required diameter and depth using a rotary hammer drilling machine.
2. Clean the hole with compressed air starting from the drill hole bottom, blow the hole at least twice by compressed air minimum 6 bar.
3. Clean the hole with manual brushes or automatic brushes - brush out the hole at least twice, for deep holes, use the extension.
4. Blow the hole at least twice by compressed air minimum 6 bar.
5. Dispense to waste until even colour is obtained (min. 10 cm).
6. Adjust (cut) the piston plug to the drilled diameter.
7. Plug the piston plug into the extension and enter to the bottom of hole.
8. Start injecting resin, piston plug will slide out of the hole (piston action) as the hole is filled to 70% of its depth.
9. Immediately insert the rebar, slowly and with slight twisting motion.
10. Leave the fixing undisturbed until the curing time elapses.

**AIR CLEANING SYSTEM**

An extension hose, making it possible to clean the hole evenly, with no dust. To achieve this, the hose is connected to the compressor. Rawlplug offers extensions making it possible to clean a length up to a depth of 1 metre. It’s important that the hose can be cut accurately to the required length.

**RESIN DOSING SYSTEM**

Extensions for nozzle

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Suitable For</th>
<th>Quantity [pcs]</th>
<th>Weight [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>R-NOZ-EXT</td>
<td>Extension pipe at base</td>
<td>1</td>
<td>0.15</td>
</tr>
<tr>
<td>R-NOZ-P-16-26</td>
<td>Piston plug ø 16 mm to 26 mm</td>
<td>10</td>
<td>0.02</td>
</tr>
<tr>
<td>R-NOZ-P-20-50</td>
<td>Piston plug ø 20 mm to 50 mm</td>
<td>10</td>
<td>0.02</td>
</tr>
</tbody>
</table>

**Tools for Designers**

Our original application dedicated to engineers and designers. This simple, yet multifunctional tool enables you to run calculations and develop designs using Rawlplug fixings.

**Highlights**

- Cracked concrete, non-cracked concrete, reinforced concrete

**Installation Guide**

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**DEEP ANCHOR SYSTEM**

Delivering solutions for deep embedment installations

Thinking for professional applications

**Deep Anchor System**

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**DEEP ANCHOR SYSTEM**

The use of R-KEX-II, R-KER-II or R-KER resin in professional applications up to 2.5 m deep requires the use of systems:

1. **Cleaning brush system**
   - Manual hand brushes and brushes automatically handled for deep cleaning
   - Extensions for manual or automatic cleaning

2. **Air Cleaning system**
   - In the case of deep anchoring, when we need to perform the cleaning of the hole with air at greater depths, extensions and hoses will be indispensable. Cleaning system:
     - Rigid extension tube or
     - Extensions hose with air adapter

3. **Resin dosing system**
   - Resin dosing system includes the following elements:
     - Mixture dispensers for every type of resin
     - Extension nozzles for resin injection rigid extension tube and extension hose
     - Piston plug, dosing plugs

**SUPPORT FOR CONTRACTOR**

In any application related to deep anchoring, a system dedicated for cleaning and deep dosing of the resin enables proper cleaning of deep holes and filling holes in accordance with the approval. When dosing the resin, the extension tube ensures homogeneity and proper mixing of the components with no air bubbles.

**DEEP ANCHOR** is used mainly when new reinforced concrete structures need to be connected to an existing structure, or when existing structures are reinforced or upgraded. Such situations may occur when connecting slabs and beams, reinforcing joints and walls, adding stairs, or building balconies and brackets. Depending on the type of the existing structure and its reinforcement, we can distinguish between adhesive bonded rebars and top-sloping. These applications require special accessories to dose the resin properly and ensure safe anchoring. Rawlplug provides you with a full system ready to support you even in the most challenging circumstances on site.

**OUR SYSTEM** designed with professionals in mind, includes the following elements:

- accessories necessary for cleaning deep holes. There are 2 types of accessories included, depending on the cleaning method. Brushes dedicated for deep anchoring or extensions and hoses dedicated for cleaning with compressed air.
- accessories needed for dosing the resin in deep holes. Dosing stage for deep anchoring includes the use of extensions or hoses for deep resin dosing and piston plug.

**SUPPORT FOR CONTRACTOR** in any application related to deep anchoring. System dedicated for cleaning and deep dosing of the resin enables proper cleaning of deep holes and filling holes in accordance with the approval.

- Brushes and extensions are made of high quality steel, which guarantees their long-term operation in difficult conditions.
- The flexible hose allows both cleaning as well as resin dosing in deep drill holes.
- The AKUDOSE cordless dispenser makes it easy to inject the correct quantity of required resin for deep anchoring applications.

**Cleaning of holes from output and dust**

The AKUDOSE cordless dispenser makes it easy to inject the correct quantity of required resin for deep anchoring applications.