# R-FX-N-C

## NYLON HAMMER-IN FIXING WITH CYLINDRICAL HEAD

The hammer fixing made from best quality nylon for fast, simple, cost-effective installations



## FEATURES AND BENEFITS

- The extensive range of product lengths, diameters and head types ensures availability of the correct fixing for every scenario
- Cylinder collar prevents over-insertion and increases the bearing surface
- The combination of a Pozidriv recess and a helical thread facilitates disassembly and allows the nail to be removed when necessary
- A minimum of 5 micron zinc plating for optimal corrosion protection
- Designed for through installation
- Hammer installation reduces installation time and enables efficient series installation
- The nylon material ensures high quality and durability of the product

## BASE MATERIAL

- Concrete
- Aerated concrete
- Solid brick
- Lightweight concrete block
- Solid sand-lime brick
- Hollow lightweight concrete block

# R-FX-N-C

**NYLON HAMMER-IN FIXING WITH CYLINDRICAL HEAD**



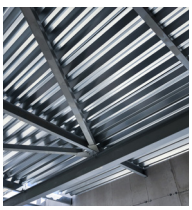
Nylon drive pins provide quick and economical installation while maintaining the highest durability. Their aesthetic finish, easy removal, and corrosion resistance make them an ideal solution for professional and mass installations.

## APPLICATIONS

- Electrical Installations
- Frames, profiles, slats
- Plasterboard systems
- Plinths and finishing profiles
- Profiled and cover sheets
- Sanitary and gas installations





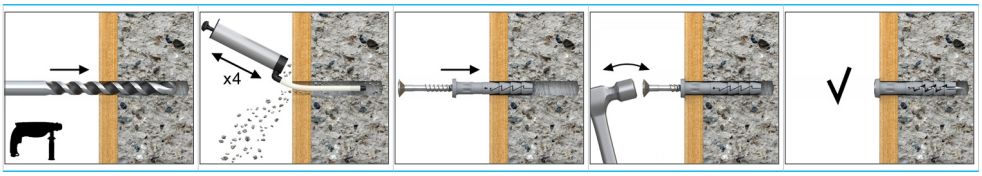






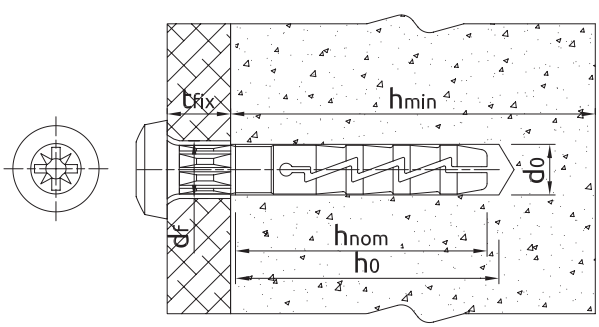

# R-FX-N-C NYLON HAMMER-IN FIXING WITH CYLINDRICAL HEAD

## INSTALLATION GUIDE

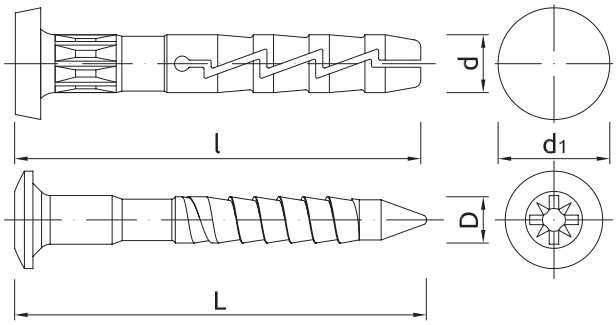



1. Drill a hole of required diameter.
2. Insert FX plug into hole through fixture.
3. Hammer the nail into the plastic sleeve until fixing is secure and flush with the fixture.

## INSTALLATION DATA




Installation parameters




Installation parameters

| Size | | | Ø5 | Ø6 | Ø8 |
|---|---|---|---|---|---|
| Fixing diameter | d | [mm] | 5 | 6 | 8 |
| Hole diameter in substrate | $d_0$ | [mm] | 5 | 6 | 8 |
| Min. hole diameter in substrate | $h_0$ | [mm] | 30 | 35 | 45 |
| Min. installation depth | $h_{nom}$ | [mm] | 25 | 29 | 40 |
| Min. substrate thickness | $h_{min}$ | [mm] | 100[1)] | 100[1)] | 100[1)] |
| Min. spacing | $s_{min}$ | [mm] | 100[1)] | 100[1)] | 100[1)] |
| Min. edge distance | $c_{min}$ | [mm] | 100[1)] | 100[1)] | 100[1)] |

1) According to National Technical Assessments data can vary

## PRODUCT INFORMATION

| Size | Product | Plug | | Nail | | Fixture | | Diameter |
|---|---|---|---|---|---|---|---|---|
| | | Diameter | Length | Diameter | Length | Max. thickness | Hole diameter | |
| | | d | l | D | L | $t_{fix}$ | $d_f$ | $d_1$ |
| | | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] |
| Ø05 | R-FX-N-05C025 | 4.9 | 25 | 3.3 | 28 | 1 | 6 | 8.5 |
| Ø05 | R-FX-N-05C030 | 4.9 | 30 | 3.3 | 33 | 5 | 6 | 8.5 |
| Ø05 | R-FX-N-05C035 | 4.9 | 35 | 3.3 | 38 | 10 | 6 | 8.5 |
| Ø05 | R-FX-N-05C040 | 4.9 | 40 | 3.3 | 43 | 15 | 6 | 8.5 |
| Ø05 | R-FX-N-05C050 | 4.9 | 50 | 3.3 | 54 | 25 | 6 | 8.5 |
| Ø06 | R-FX-N-06C035 | 5.9 | 35 | 3.8 | 39 | 6 | 7 | 10 |
| Ø06 | R-FX-N-06C040 | 5.9 | 40 | 3.8 | 44 | 11 | 7 | 10 |
| Ø06 | R-FX-N-06C045 | 5.9 | 45 | 3.8 | 49 | 16 | 7 | 10 |
| Ø06 | R-FX-N-06C055 | 5.9 | 55 | 3.8 | 59 | 26 | 7 | 10 |
| Ø06 | R-FX-N-06C060 | 5.9 | 60 | 3.8 | 64 | 31 | 7 | 10 |
| Ø06 | R-FX-N-06C080 | 5.9 | 80 | 3.8 | 84 | 51 | 7 | 10 |
| Ø08 | R-FX-N-08C045 | 7.9 | 45 | 4.8 | 51 | 5 | 9 | 11.5 |
| Ø08 | R-FX-N-08C060 | 7.9 | 60 | 4.8 | 66 | 20 | 9 | 11.5 |
| Ø08 | R-FX-N-08C080 | 7.9 | 80 | 4.8 | 86 | 40 | 9 | 11.5 |
| Ø08 | R-FX-N-08C100 | 7.9 | 100 | 4.8 | 106 | 60 | 9 | 11.5 |
| Ø08 | R-FX-N-08C120 | 7.9 | 120 | 4.8 | 126 | 80 | 9 | 11.5 |
| Ø08 | R-FX-N-08C140 | 7.9 | 140 | 4.8 | 146 | 100 | 9 | 11.5 |
| Ø08 | R-FX-N-08C160 | 7.9 | 160 | 4.8 | 166 | 120 | 9 | 11.5 |

# BASIC PERFORMANCE DATA

Performance data for single fixing without influence of edge distance and spacing

| Size | | Ø5 | Ø6 | Ø8 |
|---|---|---|---|---|
| **Embedment depth** | **[mm]** | **25** | **29** | **40** |
| **CHARACTERISTIC LOAD** | | | | |
| **TENSION LOAD $N_{Rk}$** | | | | |
| Concrete C12/15 | [kN] | 0.20 | 0.20 | 0.30 |
| Concrete C20/25 - C50/60 | [kN] | 0.30 | 0.30 | 0.50 |
| Solid ceramic brick min. 30 MPa | [kN] | 0.20 | 0.20 | 0.50 |
| Solid ceramic brick min. 15 MPa[1)] | [kN] | 0.40 | 0.40 | 0.90 |
| Solid silicate brick min. 20 MPa | [kN] | 0.20 | 0.40 | 0.40 |
| Solid silicate brick min. 15 MPa[1)] | [kN] | 0.40 | 0.50 | 1.20 |
| Silicate hollow block min. 12 MPa | [kN] | 0.30 | 0.30 | - |
| Silicate hollow block min. 15 MP[1)] | [kN] | 0.30 | 0.50 | - |
| Hollow blocks of lightweight aggregate concrete min. 2 MPa[1)] | [kN] | 0.20 | 0.30 | 0.60 |
| Solid masonry units of lightweight aggregate concrete min. 20 MPa[1)] | [kN] | 0.40 | 0.50 | 1.20 |
| Lightweight concrete hollow block Hbl min. 2 MPa | [kN] | 0.20 | 0.30 | 0.30 |
| Lightweight concrete block LAC 20 | [kN] | 0.20 | 0.30 | 0.50 |
| Autoclaved aerated concrete AAC 2 | [kN] | - | 0.10 | 0.10 |
| **DESIGN LOAD** | | | | |
| **TENSION LOAD $N_{Rd}$** | | | | |
| Concrete C12/15 | [kN] | 0.10 | 0.10 | 0.15 |
| Concrete C20/25 - C50/60 | [kN] | 0.15 | 0.15 | 0.25 |
| Solid ceramic brick min. 30 MPa | [kN] | 0.10 | 0.10 | 0.25 |
| Solid ceramic brick min. 15 MPa[1)] | [kN] | 0.16 | 0.16 | 0.36 |
| Solid silicate brick min. 20 MPa | [kN] | 0.10 | 0.20 | 0.20 |
| Solid silicate brick min. 15 MPa[1)] | [kN] | 0.16 | 0.20 | 0.48 |
| Silicate hollow block min. 12 MPa | [kN] | 0.15 | 0.15 | - |
| Silicate hollow block min. 15 MP[1)] | [kN] | 0.12 | 0.20 | - |
| Hollow blocks of lightweight aggregate concrete min. 2 MPa[1)] | [kN] | 0.08 | 0.12 | 0.24 |
| Solid masonry units of lightweight aggregate concrete min. 20 MPa[1)] | [kN] | 0.16 | 0.20 | 0.48 |
| Lightweight concrete hollow block Hbl min. 2 MPa | [kN] | 0.10 | 0.15 | 0.15 |
| Lightweight concrete block LAC 20 | [kN] | 0.10 | 0.15 | 0.25 |
| Autoclaved aerated concrete AAC 2 | [kN] | - | 0.05 | 0.05 |
| **REDOMMENDED LOAD** | | | | |
| **TENSION LOAD $N_{Rec}$** | | | | |
| Concrete C12/15 | [kN] | 0.07 | 0.07 | 0.11 |
| Concrete C20/25 - C50/60 | [kN] | 0.11 | 0.11 | 0.18 |
| Solid ceramic brick min. 30 MPa | [kN] | 0.07 | 0.07 | 0.18 |
| Solid ceramic brick min. 15 MPa[1)] | [kN] | 0.11 | 0.11 | 0.26 |
| Solid silicate brick min. 20 MPa | [kN] | 0.07 | 0.14 | 0.14 |
| Solid silicate brick min. 15 MPa[1)] | [kN] | 0.11 | 0.14 | 0.34 |
| Silicate hollow block min. 12 MPa | [kN] | 0.11 | 0.11 | - |
| Silicate hollow block min. 15 MP[1)] | [kN] | 0.09 | 0.14 | - |
| Hollow blocks of lightweight aggregate concrete min. 2 MPa[1)] | [kN] | 0.06 | 0,09 | 0.17 |
| Solid masonry units of lightweight aggregate concrete min. 20 MPa[1)] | [kN] | 0.11 | 0.14 | 0.34 |
| Lightweight concrete hollow block Hbl min. 2 MPa | [kN] | 0.07 | 0.11 | 0.11 |
| Lightweight concrete block LAC 20 | [kN] | 0.07 | 0.11 | 0.18 |
| Autoclaved aerated concrete AAC 2 | [kN] | - | 0.04 | 0.04 |

1) Data according to regional approval KOT-2019-0762

## LOGISTICAL DATA

| SKU | Base-sales unit | Unit pack | Bulk pack | Pallet | Single Package - Gross Weight | Bulk Package - Gross Weight | Palette - Gross Weight | Barcode |
|---|---|---|---|---|---|---|---|---|
| R-BIOS-FX05C025/40 | op | 1 | 12 | 1152 | 0,17 | 2,02 | 193,88 | 5906675505039 |
| R-BIOS-FX06C040/22 | op | 1 | 12 | 1152 | 0,10 | 1,23 | 118,54 | 5906675505046 |
| R-BIOS-FX06C060/18 | op | 1 | 12 | 1152 | 0,11 | 1,38 | 132,32 | 5906675505053 |
| R-BIOS-FX06C080/16 | op | 1 | 12 | 1152 | 0,13 | 1,51 | 144,48 | 5906675505060 |
| R-BIOS-FX08C060/12 | op | 1 | 12 | 1152 | 0,12 | 1,48 | 141,86 | 5906675505077 |
| R-BIOS-FX08C080/10 | op | 1 | 12 | 1152 | 0,14 | 1,67 | 160,01 | 5906675505084 |
| R-C11-FX-N-06C040 | op | 6 | 6 | 144 | 12,40 | 12,40 | 296,80 | 5906675530543 |
| R-C1-FX-N-06C040 | op | 6 | 6 | 144 | 12,37 | 12,37 | 296,76 | 5906675384016 |
| R-C1-FX-N-06C040PL | op | 6 | 6 | 144 | 12,37 | 12,37 | 296,76 | 5906675446561 |
| R-C1-FX-N-06C060 | op | 6 | 6 | 144 | 12,37 | 12,37 | 296,76 | 5906675384030 |
| R-C1-FX-N-06C060PL | op | 6 | 6 | 144 | 12,37 | 12,37 | 296,76 | 5906675446578 |
| R-C1-FX-N-08C060 | op | 6 | 6 | 144 | 8,71 | 8,71 | 208,92 | 5906675439211 |
| R-C1-FX-N-08C060PL | op | 6 | 6 | 144 | 8,71 | 8,71 | 208,92 | 5906675446608 |
| R-C1-FX-N-08C080 | op | 6 | 6 | 144 | 8,15 | 8,15 | 195,67 | 5906675439235 |
| R-C1-FX-N-08C100 | op | 6 | 6 | 144 | 7,18 | 7,18 | 172,34 | 5906675439242 |
| R-FX-N-05C025 | sz | 100,0 | 3200 | 76800 | 0,22 | 7,36 | 176,74 | 5906675176949 |
| R-FX-N-05C030 | sz | 100,0 | 3200 | 76800 | 0,28 | 7,15 | 171,60 | 5906675176963 |
| R-FX-N-05C030/200 | sz | 200,0 | 4800 | 115200 | 0,49 | 12,69 | 304,66 | 3146950741048 |
| R-FX-N-05C035 | sz | 100,0 | 3200 | 76800 | 0,31 | 10,25 | 246,05 | 5906675176987 |
| R-FX-N-05C040 | sz | 100,0 | 3200 | 76800 | 0,34 | 10,88 | 261,12 | 5906675177007 |
| R-FX-N-05C050 | sz | 100,0 | 2400 | 57600 | 0,40 | 9,81 | 235,37 | 5906675212791 |
| R-FX-N-06C035 | sz | 100,0 | 1600 | 38400 | 0,41 | 6,84 | 235,40 | 5906675177328 |
| R-FX-N-06C040 | sz | 100,0 | 1600 | 38400 | 0,45 | 7,60 | 182,42 | 5906675177342 |
| R-FX-N-06C040/200 | sz | 200,0 | 2400 | 57600 | 0,88 | 10,92 | 262,18 | 3146950741055 |
| R-FX-N-06C040-A2 | sz | 100,0 | 1600 | 38400 | 0,50 | 7,60 | 182,40 | 5906675336251 |
| R-FX-N-06C045 | sz | 100,0 | 1600 | 38400 | 0,49 | 8,10 | 192,00 | 5906675177366 |
| R-FX-N-06C055 | sz | 100,0 | 1200 | 28800 | 0,60 | 7,80 | 187,20 | 5906675205175 |
| R-FX-N-06C060 | sz | 100,0 | 1200 | 28800 | 0,62 | 7,80 | 187,20 | 5906675177380 |
| R-FX-N-06C080 | sz | 100,0 | 1200 | 28800 | 0,78 | 9,68 | 230,00 | 5906675177403 |
| R-FX-N-08C045 | sz | 100,0 | 1200 | 28800 | 0,76 | 9,46 | 230,00 | 5906675177601 |
| R-FX-N-08C060 | sz | 100,0 | 1200 | 28800 | 1,06 | 13,00 | 311,93 | 5906675177625 |
| R-FX-N-08C060-A2 | sz | 100,0 | 1200 | 28800 | 1,02 | 12,60 | 302,45 | 5906675336336 |
| R-FX-N-08C080 | sz | 100,0 | 600 | 14400 | 0,70 | 8,74 | 209,83 | 5906675177564 |
| R-FX-N-08C080-A2 | sz | 100,0 | 600 | 14400 | 0,62 | 8,25 | 198,00 | 5906675336343 |
| R-FX-N-08C100 | sz | 100,0 | 600 | 14400 | 0,81 | 10,05 | 230,00 | 5906675177663 |
| R-FX-N-08C100-A2 | sz | 100,0 | 600 | 19200 | 0,80 | 9,59 | 306,82 | 5906675336350 |
| R-FX-N-08C120 | sz | 100,0 | 600 | 14400 | 0,95 | 11,77 | 282,58 | 5906675177588 |
| R-FX-N-08C140 | sz | 100,0 | 600 | 14400 | 1,11 | 13,62 | 326,98 | 5906675119069 |
| R-FX-N-08C160 | sz | 100,0 | 600 | 14400 | 1,20 | 14,40 | 345,60 | 5906675292588 |
| R-S1-FX-N06C040/20 | op | 5 | 25 | 2200 | 0,45 | 2,45 | 215,78 | 5906675093802 |
| R-S3-FX-N06C040/10 | op | 5 | 25 | 2200 | 0,23 | 1,36 | 119,86 | 5906675382876 |
| R-S9-FX-N06C040/10 | op | 5 | 30 | 2640 | 0,13 | 0,66 | 348,48 | 5906675209203 |
| R-S9-FX-N06C040/20 | op | 5 | 25 | 2200 | 0,19 | 0,96 | 268,80 | 5906675209210 |
| R-SL11-FXN-06C040 | op | 1 | 12 | 360 | 0,43 | 2,15 | 154,80 | 5906675463216 |
| R-SL11-FXN-06C080 | op | 1 | 12 | 360 | 0,39 | 1,93 | 138,60 | 5906675463230 |
| R-SL11-FXN-08C060 | op | 1 | 12 | 360 | 0,29 | 1,45 | 104,40 | 5906675548487 |
| R-SL1-FXN-05C025 | op | 1 | 12 | 360 | 0,26 | 1,28 | 91,80 | 5906675438573 |
| R-SL1-FXN-05C035 | op | 1 | 12 | 360 | 0,28 | 1,40 | 100,80 | 5906675438580 |
| R-SL1-FXN-06C040 | op | 1 | 12 | 360 | 0,43 | 2,15 | 154,80 | 5906675438597 |

## RELATED PRODUCT

| | | | | | |
|---|---|---|---|---|---|
| DRILLING | POWER TOOLS | Rawl-Driver 18V 60Nm 2x5,0Ah **R-PDD18-70**  | Młotowiertarka 18V SDS plus 2,0J **R-PRH18**  | | |
| | ACCESSORIES | Drill bits Aggressor SDS Plus **RT-SDSA**  | Manual blowpump **R-BLOWPUM**  | | |
| INSTALLATION | HAND TOOLS | Metal and wood saw **MN-65-822**  | Metal and wood saw **MN-65-543**  | | |
| | ACCESSORIES | Tape rules **MN-81-025**  | Spirit level **MN-70-512**  | Hammer **RT-HAM-0500**  | Sheet metal scissors **MN-63-214**  |
| PROTECTION | ACCESSORIES | Protective gloves **R-PGL**  | Safety glasses **MN-06-093**  | | |