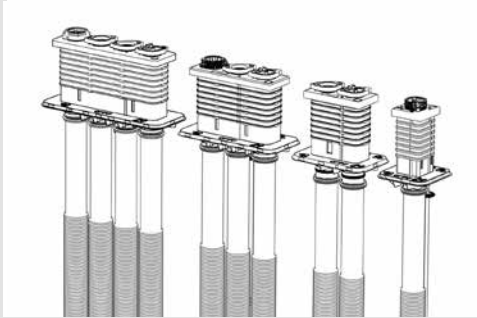


INSTALLATION NOTES

Quadro-Sicura® HOUSE LEAD-INS

- Quadro-Sicura® Nova R1
- Quadro-Sicura® Nova R2
- Quadro-Sicura® Nova R3
- Quadro-Sicura® Nova R4



Quadro-Sicura® Nova R4, Quadro-Sicura® Nova R3,
Quadro-Sicura® Nova R2, Quadro-Sicura® Nova R1

General information and intended use

The multi-compartment house lead-in Quadro-Sicura® Nova R1, R2, R3 and R4 for buildings without basement consists of cast-in part Quadro-Sicura® Nova R1-R, R2-R, R3-R and R4-R and from the installation part Quadro-Sicura® Nova R1-I, R2-I, R3-I and R4-I.

General notes



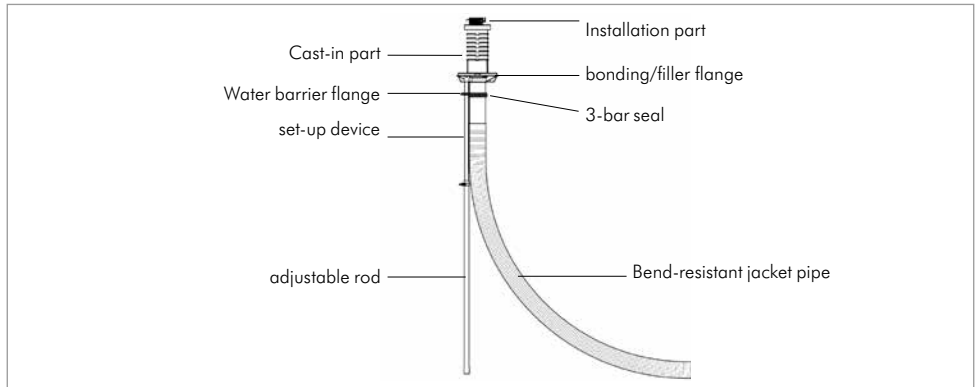
- The multi-compartment house lead-ins comply with supplement B1 of the test specification VP 601 of January 2008 and are compatible with gas house lead-in that also comply with supplement B1 in terms of design and construction.
- Depending on the foundation design, a recess must be provided in the strip foundation after consultation with the architect or building contractor in order to maintain the wall distance!

Safety instructions



- Protect the wall bushing from damage, moisture and contamination during installation. Check the delivery for completeness and all individual parts for possible damage. Only undamaged parts may be installed.
- When installing the wall bushing, the applicable accident prevention regulations, VDE rules, the applicable national health and safety regulations, and the rules and policies (operating procedures) of your company must all be observed.

Description Quadro-Sicura® Nova R1, R2, R3 und R4



Scope of delivery

The scope of delivery of the multi-compartment house lead-in includes:

- 1 cast-in part including:
 - 7 cast-in part frames (black)
 - 1 cover incl. dragonfly
 - 1-4 bend-resistant jacket pipes
 - 1 set-up device with adjustable rod
- 1 installation part (for the building service seals water, electricity or telecom)

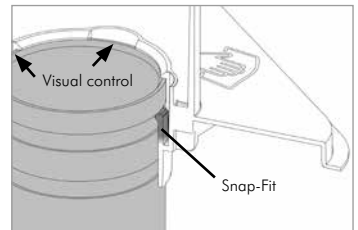
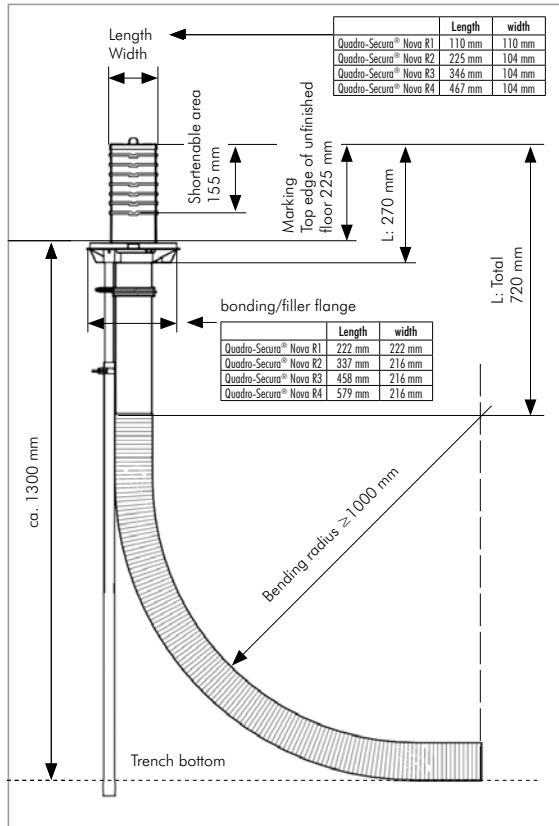
Required tools and equipment

To install the multi-compartment house lead-in correctly, you will need the following tools and equipment in addition to the usual standard tool:

- Spirit level
- Pliers
- Hammer
- Yardstick
- Lubricant
- Self-volatilising lubricant

- Quadro-Secura® Nova R1
- Quadro-Secura® Nova R2
- Quadro-Secura® Nova R3
- Quadro-Secura® Nova R4

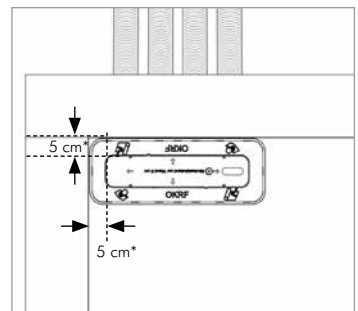
Dimensions: cast-in part



Installation advantage visual control

Snap-Fit enables the jacket pipes to be securely snapped into the into the cast-in part.

Placement of the cast-in part



* Please coordinate the exact dimensions with your utility company.

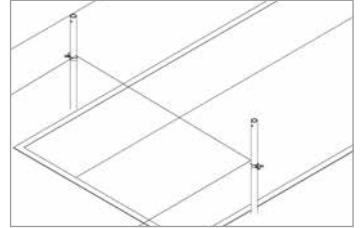
- Quadro-Sicura® Nova R1
- Quadro-Sicura® Nova R2
- Quadro-Sicura® Nova R3
- Quadro-Sicura® Nova R4

The installation is described using the Quadro-Sicura® Nova R4 as an example.

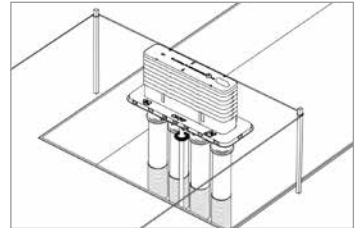
2 Montage: Quadro-Sicura® Nova R4-R (cast-in part) preparation



For the exact positioning of the Quadro-Sicura® Nova R4-R (cast-in part), a sectional framework must be prepared on site. Ideally, the cord also marks the top of the unfinished floor.



For the construction of concrete floor slabs, a minimum thickness of 200 mm must be provided in accordance with the WU guideline (water impermeable). For floor panels that are not manufactured in this quality, a minimum thickness of 130 mm is required by design in order to ensure sufficient concrete cover of the 3-bar seal set in concrete. Quadro-Sicura® Nova R4-R (cast-in part) and set-up device are plugged together and fixed with the wing screw.



2.1 Aligning the set-up device

Align and position Quadro-Sicura® Nova R4-R (cast-in part) longitudinally with the set-up device from the position on the sectional framework. Use the spirit level on the cover to align the cast-in part horizontally and press it into the ground.

The exact height is not yet important.

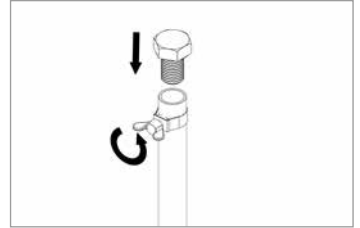


- Observe the recommended wall distance of 5 cm.
- The unfinished part must not be covered later by the interior walls (unfinished wall + plaster).
- The arrangement of the internal pipes should be parallel to the sides of the wall.
- When positioning the multi-compartment house lead-in, ensure that the set-up device does not obstruct the empty pipe route (bend-resistant jacket pipe/cable protection pipes).
- Before installation, consult with the utility company regarding the distance.

- Quadro-Sicura® Nova R1
- Quadro-Sicura® Nova R2
- Quadro-Sicura® Nova R3
- Quadro-Sicura® Nova R4

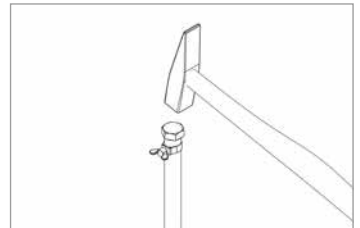
2.2 Preparation of the adjustable rod

Then loosen the wing screw, hold the adjustable rod and pull off the Quadro-Sicura® Nova R4-R shell. Insert the supplied drive-in screw into the adjustable rod and fix it with the wing screw.



2.3 Hitting the adjustable rod

Hit the adjustable rod approx. 300 mm or until it is sufficiently into the ground until it is sufficiently fixed. Remove the drive-in screw again.

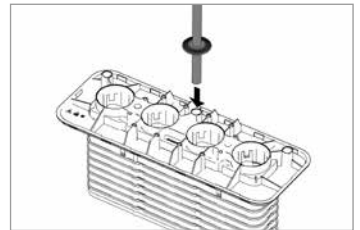


2.4 2.4 Positioning the cast-in part

Place the Quadro-Sicura® Nova R4-R (cast-in part) upside down on a surface such as a pallet.

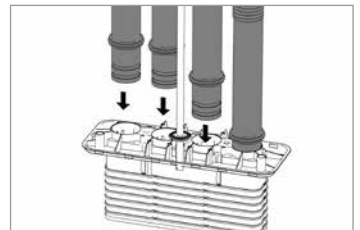
This protects the dragonfly and the handle on the closing lid from damage.

Insert the set-up device into the opening provided for it.



2.5 Mount jacket pipes

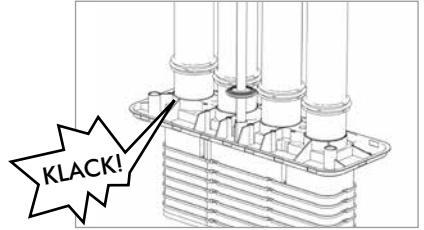
Insert the jacket pipes with the pipe end one after the other into the openings provided.



- Quadro-Secura® Nova R1
- Quadro-Secura® Nova R2
- Quadro-Secura® Nova R3
- Quadro-Secura® Nova R4

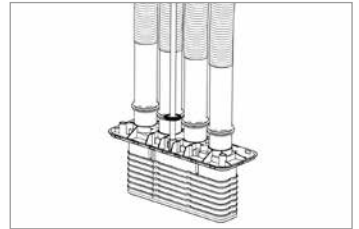
2.6 Detailed view

The jacket pipe audibly engages!



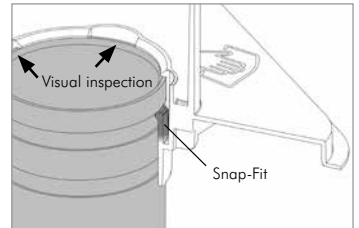
2.7 Interim result

Quadro-Secura® Nova R4-R (cast-in part) with attached jacket pipes.



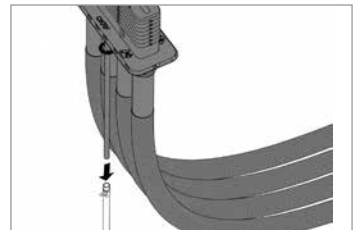
2.8 Visual inspection

The jacket pipe is correctly engaged (snap-fit), if the upper edge of the sleeve tube is in contact with the stop surface.



2.9 Place the cast-in part on the adjustable rod

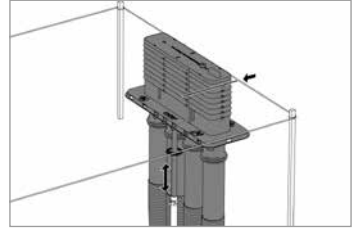
Quadro-Secura® Nova R4-R (cast-in part) with the jacket pipe attached to the hammered-in adjustable rod.



- Quadro-Sicura® Nova R1
- Quadro-Sicura® Nova R2
- Quadro-Sicura® Nova R3
- Quadro-Sicura® Nova R4

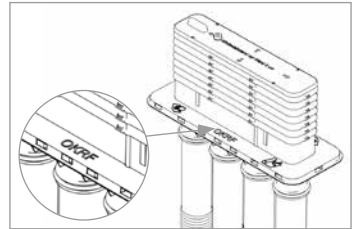
2.10 Alignment to the raw floor

Then align the Quadro-Sicura® Nova R4-R (cast-in part) in height to the uraw floor level.
After adjusting the height, tighten the wing screw.
This fixes the structure in place.



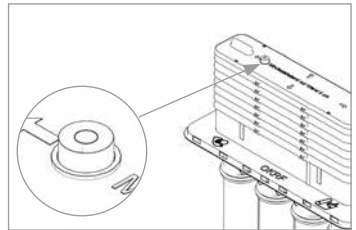
2.11 Observe the marking of the top edge

There is an identification/markings „OKRF“ on the Quadro-Sicura® Nova R4-R (cast-in part).



2.12 Carry out alignment

After the height has been fixed, the Quadro-Sicura® Nova R4-R (cast-in part) can be aligned in position with the aid of the existing dragonfly on the cover.



- For finished floor constructions larger than 225 mm, the use of an extension set is required. This is available as an accessory, please contact us.



- After connection of the pipes, compliance with the bending radii $R \geq 1$ m must be checked.
- The set-up device supplied is only a temporary fixation. Only the immediate filling with sand up to the level of the clean layer results in a positionally stable positioning of the floor slab feed-through.

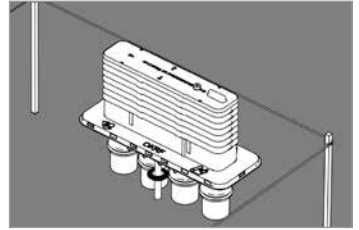


- During the backfilling process, check the distance to the sectional framework as well as the vertical. Check the vertical position of the component and adjust if necessary.

- Quadro-Sicura® Nova R1
- Quadro-Sicura® Nova R2
- Quadro-Sicura® Nova R3
- Quadro-Sicura® Nova R4

2.13 Interim result

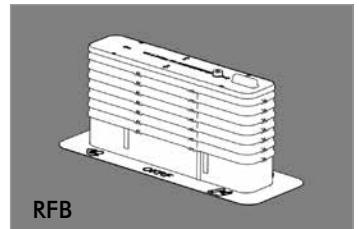
Positionally stable Quadro-Sicura® Nova R4-R (cast-in part) mounted vertically, aligned with the sectional framework and backfilled with sand.



- Subsequent reworking is not necessary if the top edge of the cast-in part coincides with the top edge of the FFB.

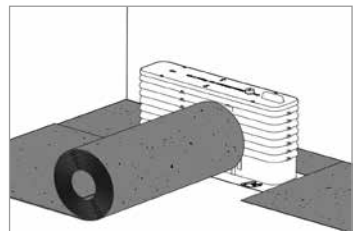
2.14 Concreting the cast-in part

After concreting, the cast-in part is 225 mm above the unfinished floor (RFB) if it is positioned correctly. Due to the system, it is possible to shorten the structural element to the later floor structure or the finished floor level by up to 155 mm later.



2.15 Apply tanking membranes

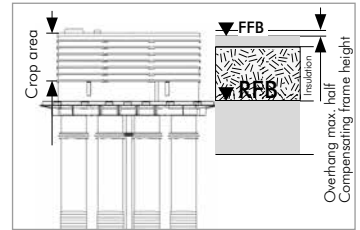
Tanking membranes in the area of the feed-throughs using suitable aids. Make sure that the transition is even.



- Quadro-Sicura® Nova R1
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- Quadro-Sicura® Nova R3
- Quadro-Sicura® Nova R4

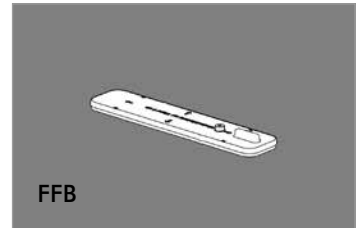


- If it is not possible to shorten to the finished floor height for structural reasons, the shell component may protrude max. half the height of the levelling frame above the upper edge of the finished floor.



2.16 Final result

Quadro-Sicura® Nova R4-R (cast-in part) set in concrete at finished floor level (FFB).



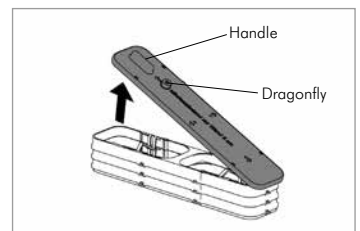
3 Mounting: Installation part Quadro-Sicura® Nova R4-I

3.1 Removal of the seal cap

After concreting the Quadro-Sicura® Nova R4-R (cast-in part), the seal cap can be removed from the cast-in part using the handle.

Attention!

To meet the requirements for thermal load-bearing capacity according to DVGW test guideline VP 601 point 4.8 and to maintain DVGW approval, the structural shell must be completely cast in.



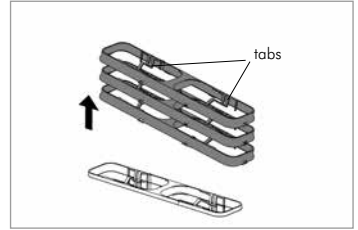
- Quadro-Sicura® Nova R1
- Quadro-Sicura® Nova R2
- Quadro-Sicura® Nova R3
- Quadro-Sicura® Nova R4

3.2 Compensating frame and cast-in part

The protrusion of the cast-in part is removed by taking off the individual equalising frames. To do this, grasp the tabs of the compensating frame with both hands and pull it out upwards.

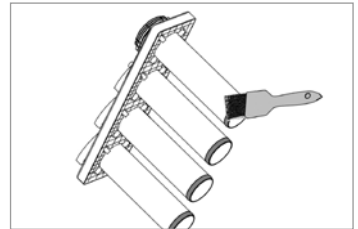


If it is not possible to shorten the cast-in part to the finished floor height for structural reasons, the cast-in part may protrude a maximum of half a Compensating frame high above the upper edge of the finished floor.



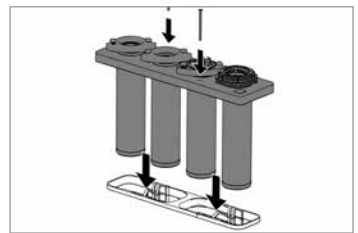
3.3 Make pipe ends slippery

Then coat the sealing rings of the pipe ends of the installation part sufficiently with self-volatilising lubricant. Before inserting the installation part, the sleeve pipes of the building shell must be greased on the inside in the insertion area. The height of the area to be greased depends on the insertion depth: minimum 70 mm, maximum 200 mm.



3.4 Push the installation part into the cast-in part

Insert the Quadro-Sicura® Nova R4-I installation part completely into the Quadro-Sicura® Nova R4-R cast-in part set in concrete until the flange of the installation part rests on the finished floor FFB. Then drive both nail screws into the structural member with a hammer.



Note:

If the Quadro-Sicura® Nova R1-I is used with building sealing for gas, four nail screws must be driven into the cast-in part with a hammer.

Note:

For the installation of gas, electricity, water and telecommunications, please use the corresponding installation instructions.

INSTALLATION NOTES

Quadro-Secura® house lead-ins

- Quadro-Secura® Nova R1
- Quadro-Secura® Nova R2
- Quadro-Secura® Nova R3
- Quadro-Secura® Nova R4

DOYMA products are continuously being further developed. Technical changes will be performed without prior notice.
25 year warranty on all DOYMA products. **More information at www.doyma.de**

DOYMA GmbH & Co

SEALING SYSTEMS

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