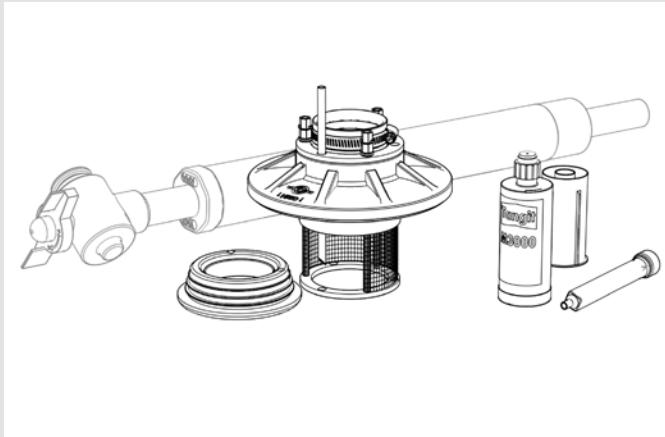SEALING|SYSTEMS

INSTRUCTION DE MONTAGE

Quadro-Secura®
HOUSE LEAD-INS

- Quadro-Secura® Quick/G
  for insertion of RMA gas house lead-ins
  DN25 (1 inch)

Quadro-Secura® Quick/G RMA 1"

Inhalt

1   General information and intended use

The Quadro-Secura® Quick/G is designed for direct installation in core bores with a diameter of 99–103 mm to establish to establish a single house lead-in for subsection gaz.

2   Safety instructions

⚠ During installation, protect the house lead-in from damage, moisture and contamination.
Inspect all individual parts for any damage. Only undamaged parts may be installed.

⚠ When installing the house lead-in, 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.

⚠ Please note that no warranty claims whatsoever will be accepted for consequential damage caused by deviating from the specifications and instructions in the installation notes, using our products not in the intended way or combining our products with third-party products.

25 years
guarantee

DOYMA

Expansion resin: Tangit M 3000 (150 ml)
Danger
Contains diphenylmethane-4,4'-diisocyanate
Please observe the manufacturer's notes.

Note:
Please note the manufacturer's safety data sheet.
Processing temperature: +5°C to +30°C, optimal: +15°C to +25°C

Recycling/disposal
Dispose of rinsed empty packaging in the Dual System (yellow recycling bag). Cured residual polyurethane can be disposed of in normal domestic/commercial waste.

3   Scope of delivery

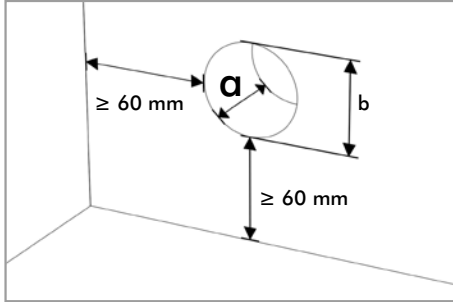The scope of delivery for the Quadro-Secura® Quick/G includes:
  1 Quadro-Secura® Quick/G
        consisting of:
        1 outer seal
        1 wall termination ring (building inside)
        1 static mixer nozzle
        1 Tangit M 3000 150 ml
        1 Installation instructions
        1 injection plunger

4   Required tools and equipment

In addition to the usual standard tool, you also need the following tools and equipment in order to properly install the Quadro-Secura® Quick/G

• Drill with drill bit for holes measuring Ø 99–103 mm
• 2K cartridge gun PP6 - Use without injection plunger
• Conventional cartridge gun - Use with injection plunger
• Screwdriver
• Reversible ratchet spanner
• Hexagon socket AF10
• Waterproof pen
• Torque spanner with extension and socket

INSTALLATION INSTRUCTIONS
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■ Quadro-Secura® Quick/G
for insertion of RMA gas house lead-ins DN25 (1 inch)

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5 Preparation

5.1 Creating a drill hole

The drill can be guided by hand or using a drill stand. Only solid, sturdy material can be drilled.
Breakouts may occur with porous or brittle wall materials. If minor breakouts occur, no reworking is required because the area will be sealed by the expansion resin.
If more significant breakouts occur, the plaster must be properly restored and structural sealing must be added in accordance with DIN 18533. Substrates must be clean, secure and free of dust and grease.

RMA	
overall length	wall thickness a
730	200-420
1100	200-660
1250	200-810

Core bore b: 99–103 mm

5.2 Preparing the gas house lead-in (marking control points e.g. with a waterproof pen)
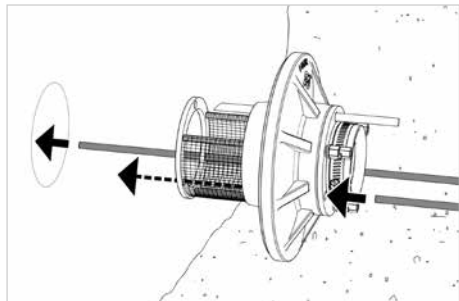
Wall termination ring
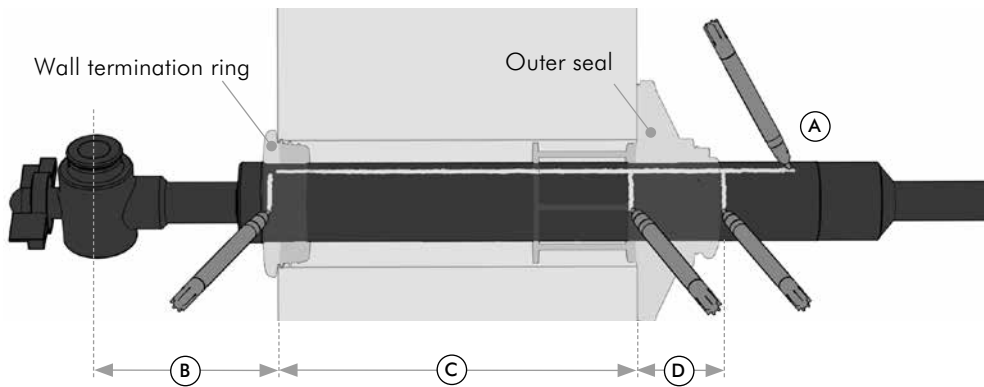
Outer seal

A. Position of 'top' / 'Oben' control point for vertical alignment

B. Position of 'wall distance' control point for the prescribed distance to the connection

C. Position of 'wall thickness' control point

D. Position of 'outer seal' control point (additional **70 mm**)

6 Installation
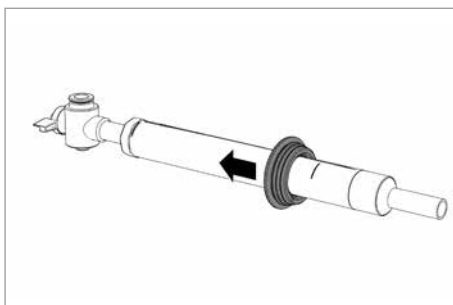
6.1

Push the wall termination ring onto the gas house lead-in up to the **'wall distance (B)'** mark.

INSTALLATION INSTRUCTIONS
Quadro-Secura® house lead-ins

■ Quadro-Secura® Quick/G
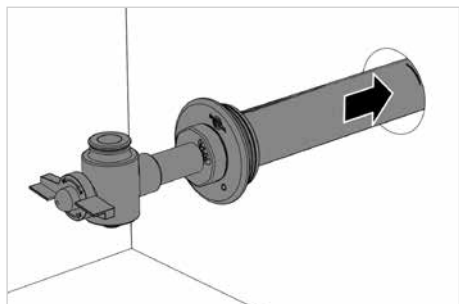for insertion of RMA gas house lead-ins DN25 (1 inch)

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6.2 Installation with 'speed pipe' microducts Ø 7 mm (optional)

Lubricate the 'speed pipe' microducts and insert them through the designated openings on the outer seal.
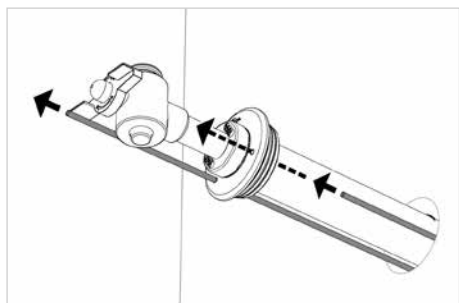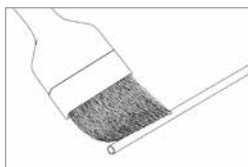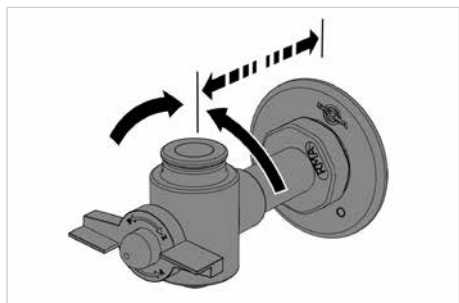

6.2.1

Insert the 'speed pipe' microducts through the designated openings on the wall termination ring.
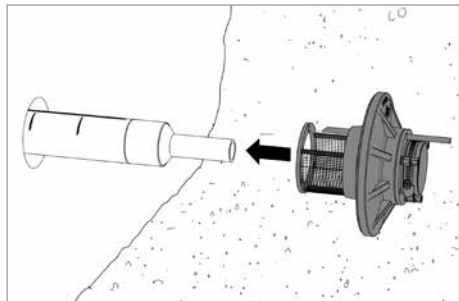

6.3

Insert the gas house lead-in with mounted wall termination into the drill hole from the inside of the building.
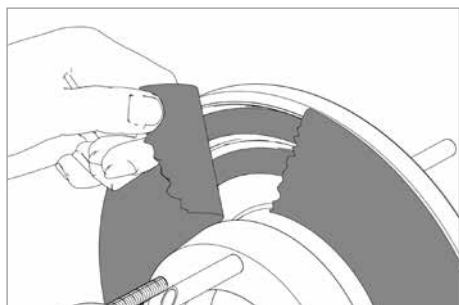

6.4

Align the gas house lead-in.

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6.5

Push the outer seal over the gas house lead-in into the core bore from the outside of the building.
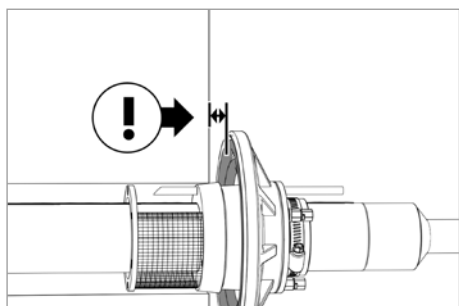
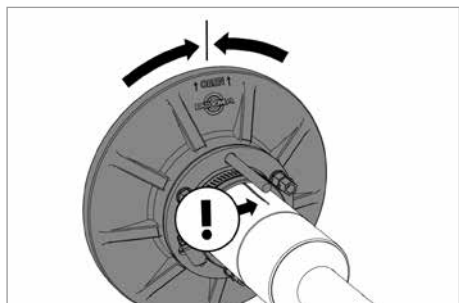⚠ Note: observe the **'top'/** 'Oben' control point.

6.6

Remove the protective film.
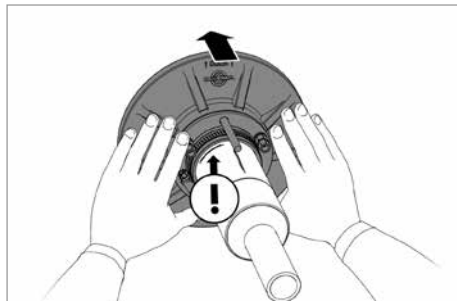

6.7

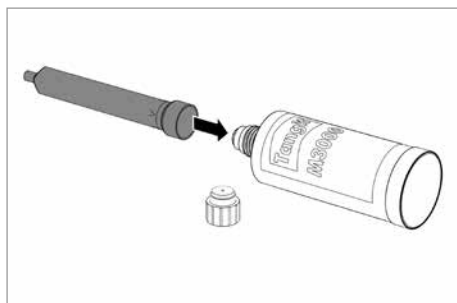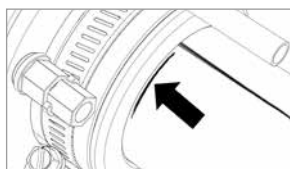⚠ Note: to align the outer seal, the butyl strip must not touch the outer wall.

6.8

Align the outer seal and gas house lead-in according to the mark on the large ring (**'top'** / 'Oben'**)** and the control mark on the gas house lead-in.
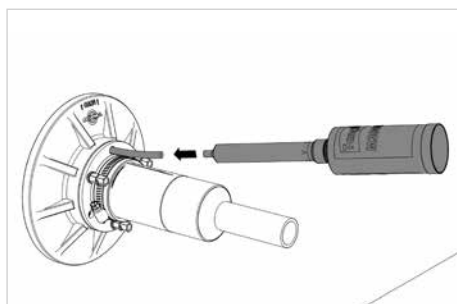
6.8.1

Push the outer seal up to the outer wall, observing the marked control points and correcting the position if necessary.
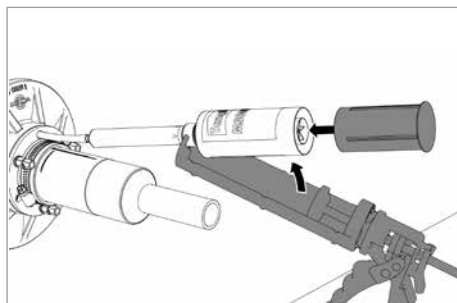

6.9

Unscrew the seal cap of the resin cartridge (Tangit M 3000, 150 ml) and screw the cartridge into the static mixer nozzle.

6.10

Connect the static mixer nozzle firmly to the filling tube, inserting it all the way.
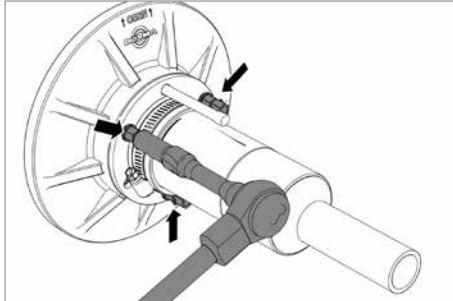

6.11

Remove the bottom cap from the resin cartridge and put on the injection plunger.

Insert the resin cartridge and the plunger into the cartridge gun With even movements on the cartridge gun, inject all of the resin from the cartridge into the Quadro-Secura® Quick/G.
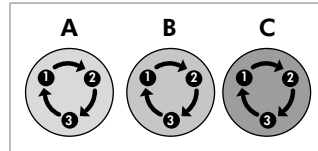
⚠️ during curing (>10 min.), do not remove the complete resin system from the Quadro-Secura® Quick/G!

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6.12 Tightening the ITL nuts

To complete the installation, tighten the ITL nuts (AF10).

A	B	C

Alternate between nuts:
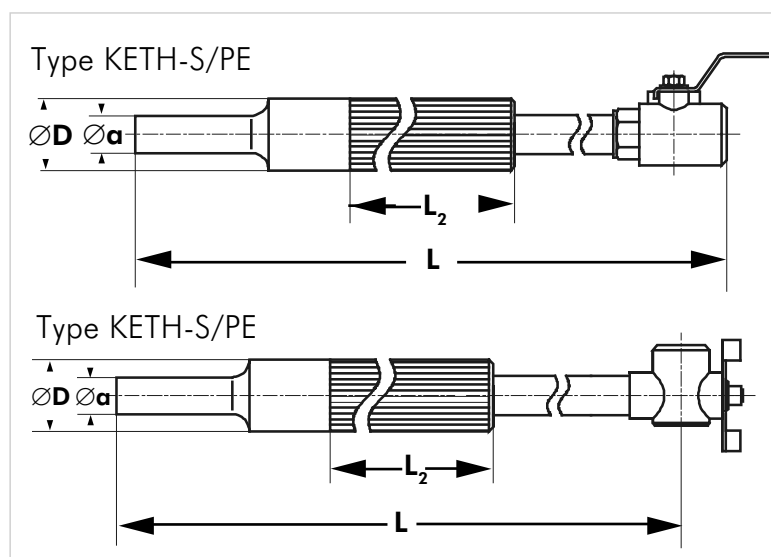several turns each in at least
three intervals (A>B>C).

Continue until the top nuts shear off (ITL
principle: Integrated Torque Limiter; no
special tool needed).
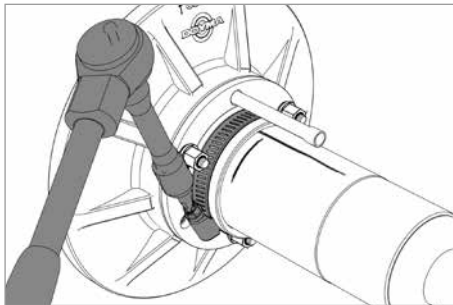
6.13

Tighten the hose clip Ø 50–70 mm with a torque of max. 3 Nm.

7   Approved gas house lead-ins

Type KETH-S/PE

Type KETH-S/PE

Nominal width [inches]	Ø a [mm]	L [mm]	L$_2$ [mm]	Ø D [mm]	
width	32	730/1100/1250	470	64	+0,5 -1.0

Fa. RMA, and   Types KETH-SF-EL-PE-E, KETH-SF-EL-G
KETH-S/PE-AVR
RMA Rheinau GmbH & Co. KG
Type: KETH-S/PE
Manufacturer: RMA Rheinau GmbH & Co. KG

8   Approved two-component expansion resin

In addition to the aforementioned Tangit M 3000 expansion resin, the following expansion resin is also approved:

- Büttig expansion resin system 308 based on PUR foam (cartridge size 150 ml).

The resin is injected as described above. **Please observe the manufacturer's notes!**

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

25 years guarantee

DOYMA