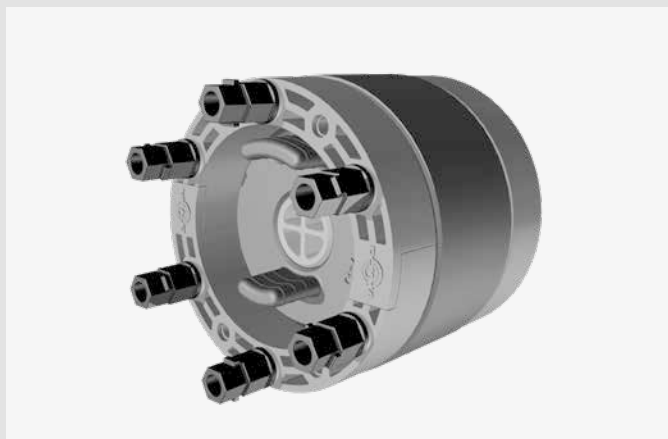


INSTALLATION INSTRUCTIONS

Curaflex Nova® Gasket inserts

- Curaflex Nova® Multi



Curaflex Nova® Multi

Dear Customer,

Thank you for choosing a quality product from our range.

Please read this message and the included installation instructions in full before installing or processing our products and keep both in a safe place after installation.

Safety instructions:

- Our products may only be installed by persons with the necessary specialist knowledge.
- For your own protection and the protection of third parties, the work area and any necessary pipe trenches must be properly constructed and secured in accordance with the applicable regulations.
- When installing our sealing and fire protection systems, the recognised rules of technology, the relevant regulations of the employers' liability insurance associations, the VDE regulations and the applicable safety and accident regulations must be observed. Parts of the body may be crushed or other serious injuries may occur when tensioning or fixing the products in place.
- The safety data sheets must be observed.
- Check that the delivered product is complete (the scope of delivery is listed separately in the installation instructions) and check all individual parts for any damage. Only undamaged parts may be installed.
- Check that the product is suitable for its intended use using the installation instructions. If there are any particular demands,

please clarify the use of the product with us in advance. Request our checklists for this purpose or download them from www.doyma.com.

Any liability on our part is excluded for misuse!

- Finally, please observe the instructions for the tools and equipment required for installation.

Industrial property rights:

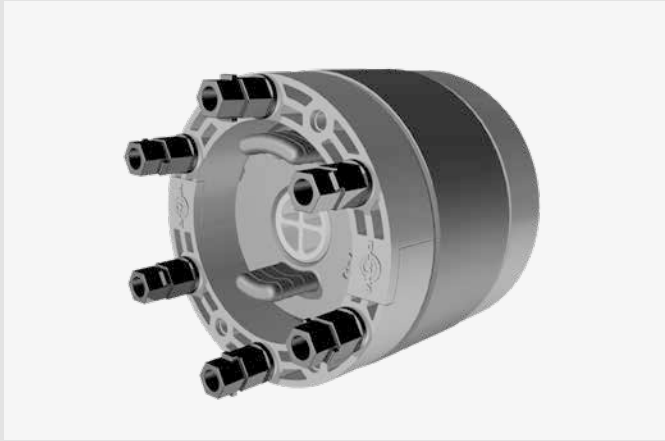
- Our industrial property rights and those of third parties must be observed.

Disposal:

- Please observe the applicable regulations when disposing of components, accessories and packaging.

Terms and conditions of sale:

- The current version of our terms and conditions of sale and delivery shall prevail.



Curaflex Nova® Multi

Intended use

The gasket insert Curaflex Nova® Multi is especially suitable for the sealing of pipes/cables with a smooth surface in standard dimensions. The sealing rubber of the Curaflex Nova® Multi can be adapted tool-free through the DDE system to the respective dimension of the media line. The installation can be performed into WR concrete core bore holes and pipe sleeve.

Please note:

- Gasket inserts do not act as fixing points or support bearings, but rather serve exclusively to elastically seal pipes and cables.
- Clicking noises when mounting indicate the fixed wedging of the ring halves. They are not a warning sign!
- The nut side of the gasket insert should point to the non-water exposed side.
- Slight axial movements of the pipes and cables are allowed. Additionally, fixing brackets that can be screwed onto the frame ring

are optionally available (accessories fixing kit). These additionally secure the gasket insert under higher pressures.

- Curaflex® gasket inserts are maintenance-free. When properly installed, a re-tightening of the bolt is not necessary.
- The sealing of thin-walled and/or foamed plastic pipes must be checked. Contact us if necessary.
- The relevant FHRK standard (minimum seal width) can be found on the product label.
- When installing the sealing system, the applicable accident prevention regulations, VDE rules, the applicable national health and safety regulations, and the rules and policies of your company must all be observed.
- The applicable national regulations governing the laying and filling of pipes and cables must be observed.
- Inspected in accordance with FHRK test specification GE101 without radial load.

Installation conditions

- Breakouts, cracks and/or cavities in waterproof concrete core bores should be smoothed in advance.
- Casings must be rigid enough to withstand the compressive forces from the gasket insert and must have a smooth, circular inner surface. If casings are damaged they must be tested in advance for usability.
- The seal to the medium pipe/cable/cable ducts must be performed in a WR concrete core bore hole, or in an already installed pipe sleeve (the location of the gasket insert must be observed > see installation step 3).
- The conduit (cable or pipe) to be sealed must be cleaned in advance and must not have any axial depressions or elevations in or around the sealing area.
- Compress the substrate and pipe substructure well before laying the pipe/cable, so that no sinking is possible.
- In addition to the usual standard tool, you also need the following tools and equipment in order to properly install the gasket insert:

Tools:

- 1 extension
- 1 hexagon socket
(size see installation steps)

Equipment:

- Lubricant
- Cleaning agent (solvent-free)
- Calliper gauge
- Cleaning cloth

Scope of delivery

- Curaflex Nova® gasket insert
- Installation instructions

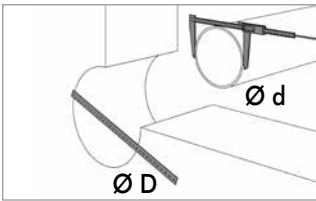
Accessories (optional)

- 4 fixing brackets with screws
Product No.: 1 88 0 600 004 2 9
- ITL nuts (9 units)
Product No.: 1 88 0 600 009 0 0
- Aquagard primer (Curaflex® 1710), 1 liter for 4.0 sqm
Product No.: 1 99 0 710 000 0 0
- Aquagard primer (Curaflex® 1711), 1/3 liters for 1.5 sqm
Product No.: 1 99 0 711 000 0 0
- Aquagard special paint (Curaflex® 1715), 1 liters for 3.5 sqm
Product No.: 1 99 0 715 000 0 0
- Aquagard special paint (Curaflex® 1716), 1/3 liters for 1.0 sqm
Product No.: 1 99 0 716 000 0 0

Installation steps

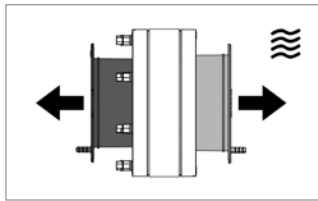
1: Take measurements

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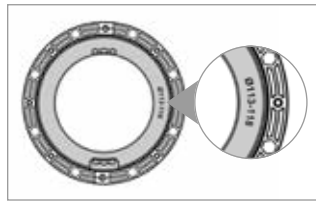
Determine the diameter of the core boring or pipe sleeve, and the media line. The table shows which modules must be removed for the pipe/cable to be sealed.

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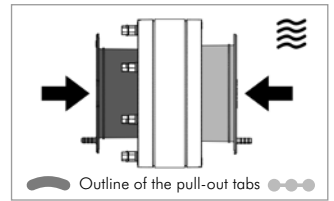
Adjust the gasket insert to the pipe diameter by alternately pulling out the rubber modules on the pull-out tabs. Start with the blind plug on the water side.

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The diameter area is marked on the rubber module collar.

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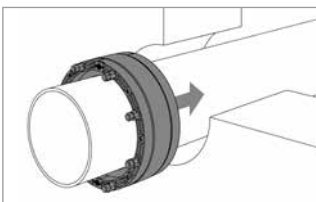


Simply reinsert accidentally removed modules correctly positioned until there is a noticeable snap-in.

Gasket insert	Media cable diameter / module collar labeling	Color of the module seals	of the rubber modules to be removed
Curaflex Nova® Multi DN 100 - for pipes/cables with 20 – 63 mm diameter - core boring/pipe sleeve \varnothing of 99 – 104 mm - Minimum wall thickness 105 mm	blind	orange	none
	20 – 25	black	Blind plug
	28 – 35	orange	Blind plug + module 20 – 25
	40 – 45	black	Blind plug + module 20 – 25 + module 28 – 35
	46 – 52	orange	Blind plug + module 20 – 25 + module 28 – 35 + module 40 – 45
	57 – 63	black	all
Curaflex Nova® Multi DN 200 - for pipes of 108 – 160 mm diameter - core boring/pipe sleeve \varnothing of 199 – 203 mm - Minimum wall thickness 105 mm	blind	orange	none
	108 – 112	black	Blind plug
	113 – 118	orange	Blind plug + module 108 – 112
	124 – 128	black	Blind plug + module 108 – 112 + module 113 – 118
	131 – 135	orange	Blind plug + module 108 – 112 + module 113 – 118 + module 124 – 128
	139 – 144	black	Blind plug + module 108 – 112 + module 113 – 118 + module 124 – 128 + module 131 – 135
156 – 160	black	all	

2: Installing the gasket insert

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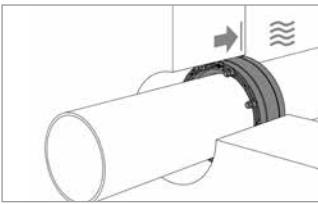
Slide the Curaflex Nova® Multi onto the media line and into the core boring / pipe sleeve.

3a: Installation with WR concrete walls or pipe sleeves

3b: Installation for double/element walls - sealing layer is the in-situ concrete (WR concrete)

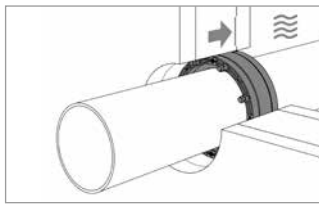
3c: Installation for double/element walls - sealing layer is the finished outer concrete shell

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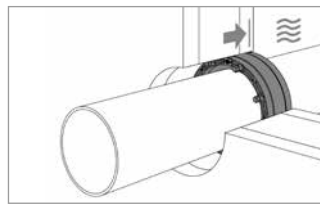
... until the gasket insert is approximately flush with the outer wall (water / pressure side).

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Position the gasket insert in the sealing layer of the wall. Should there be a lack of clarity with regard to the location of the sealing layer, the approach must be coordinated with the planner or the wall manufacturer.

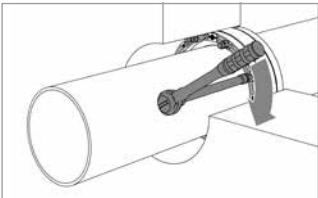
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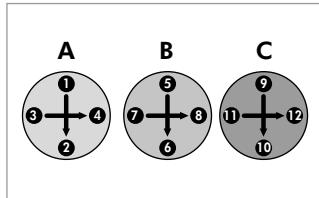
Position the gasket insert in the sealing layer of the wall. Should there be a lack of clarity with regard to the location of the sealing layer, the approach must be coordinated with the planner or the wall manufacturer.

4: Final Assembly

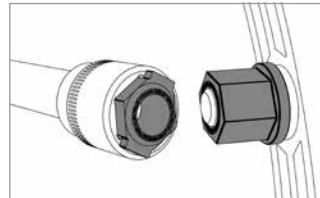
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For the final assembly of the gasket insert, tighten the nuts (size 10).



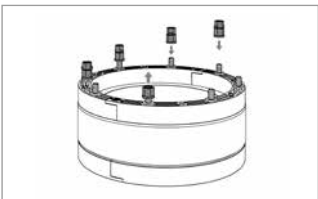
Thereby, proceed alternating: crisscross every few turns in at least 3 intervals (A>B>C).



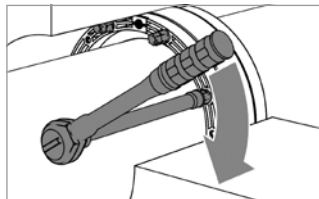
Proceed until the upper nuts twist off (ITL principle: Integrated Torque limiter; no special tools necessary.)

5: Re-tighten gasket insert again (e.g. after disassembly)

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Remove already detached nuts. Use new nuts (optionally available), and continue the installation as described under 1, or ...



... Tightening of the still remaining nuts (size 11), alternately crisscross, each with 5 nm torque.

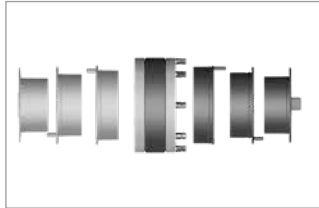
ITL (Integrated Torque Limiter)



ITL automatically generates the optimal contact pressure for the secure sealing of the media line.



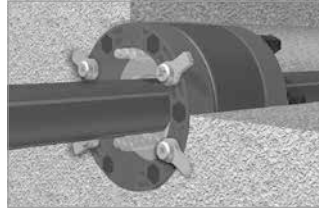
DDE (DOYMA Diameter Extension)



Plug-in modules enable the flexible adaption of the gasket insert to various media line diameters, and practical pull-out tabs facilitate the tool-free installation.



Optional: Fixing tabs



In case of higher pressure loading, fixing brackets can be screwed onto the frame ring, which is then an equivalent to the large ring solution.

Optional: Aquagard



Pre-cut reinforced steel must be protected against corrosion. The Aquagard coating seals the core boring wall and thus prevents the water from under-running the gasket insert.

Doyma products are always subject to further development. Technical modifications are made without prior notice.
DOYMA allows a 25 years guarantee. **For more information see www.doyma.com**

DOYMA GmbH & Co

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25
years
guarantee

