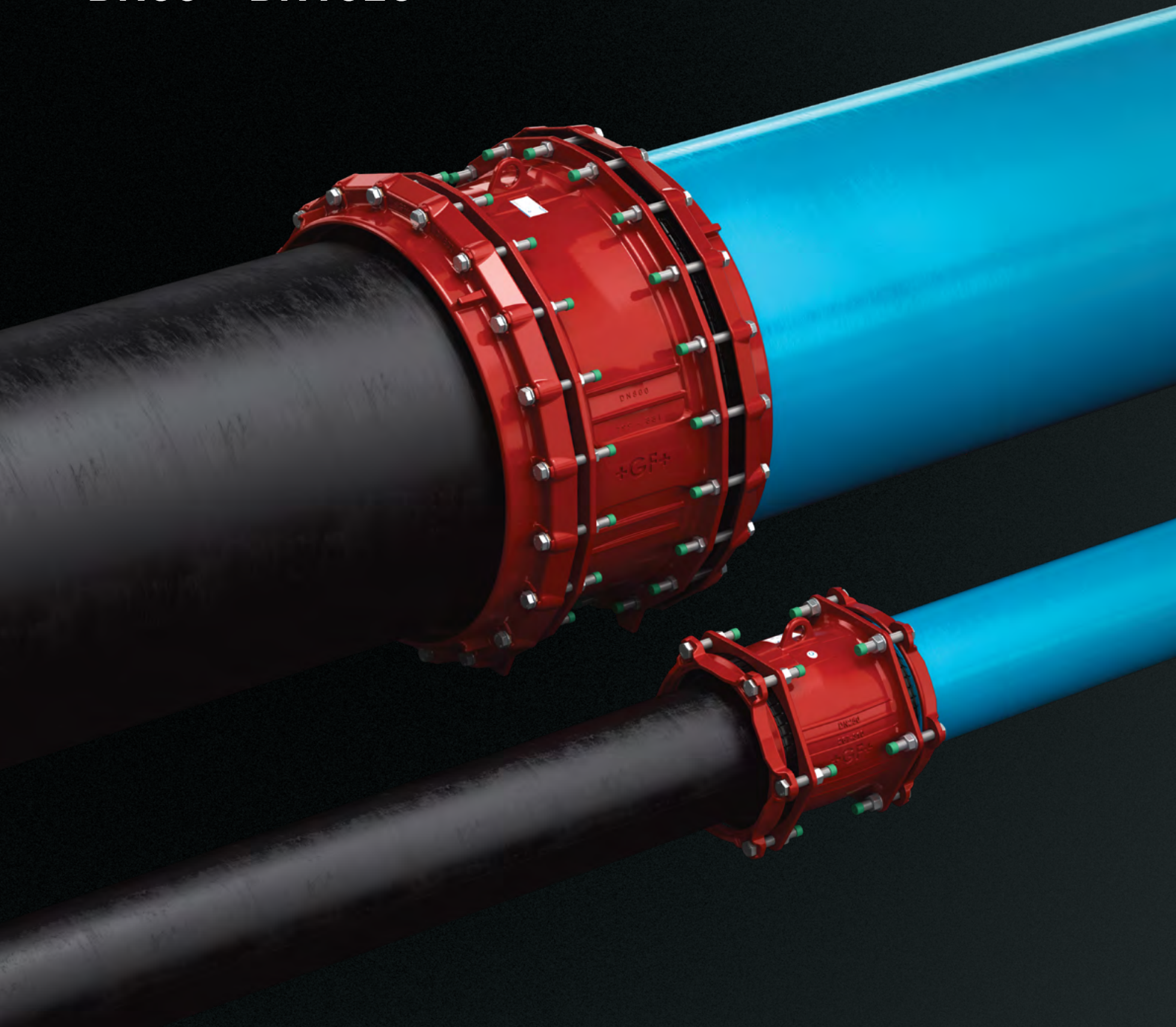


Georg Fischer Waga N.V.

+GF+

# MULTI/JOINT<sup>®</sup> 3000 Plus

DN50 – DN1025



The perfect fit for your piping systems

# MULTI/JOINT® 3000 Plus

**Repairing and connecting water and gas pipelines are often challenging for instance, you may encounter pipes of various materials in the ground. Jointing methods such as flanging, welding and using thrust blocks can be very time consuming. By introducing MULTI/JOINT® 3000 Plus, we provide an ideal solution tailored to your requirements, enhancing operational efficiency while simultaneously reducing costs. Your answer when a mechanical connection is required.**

## State of the art sealing system

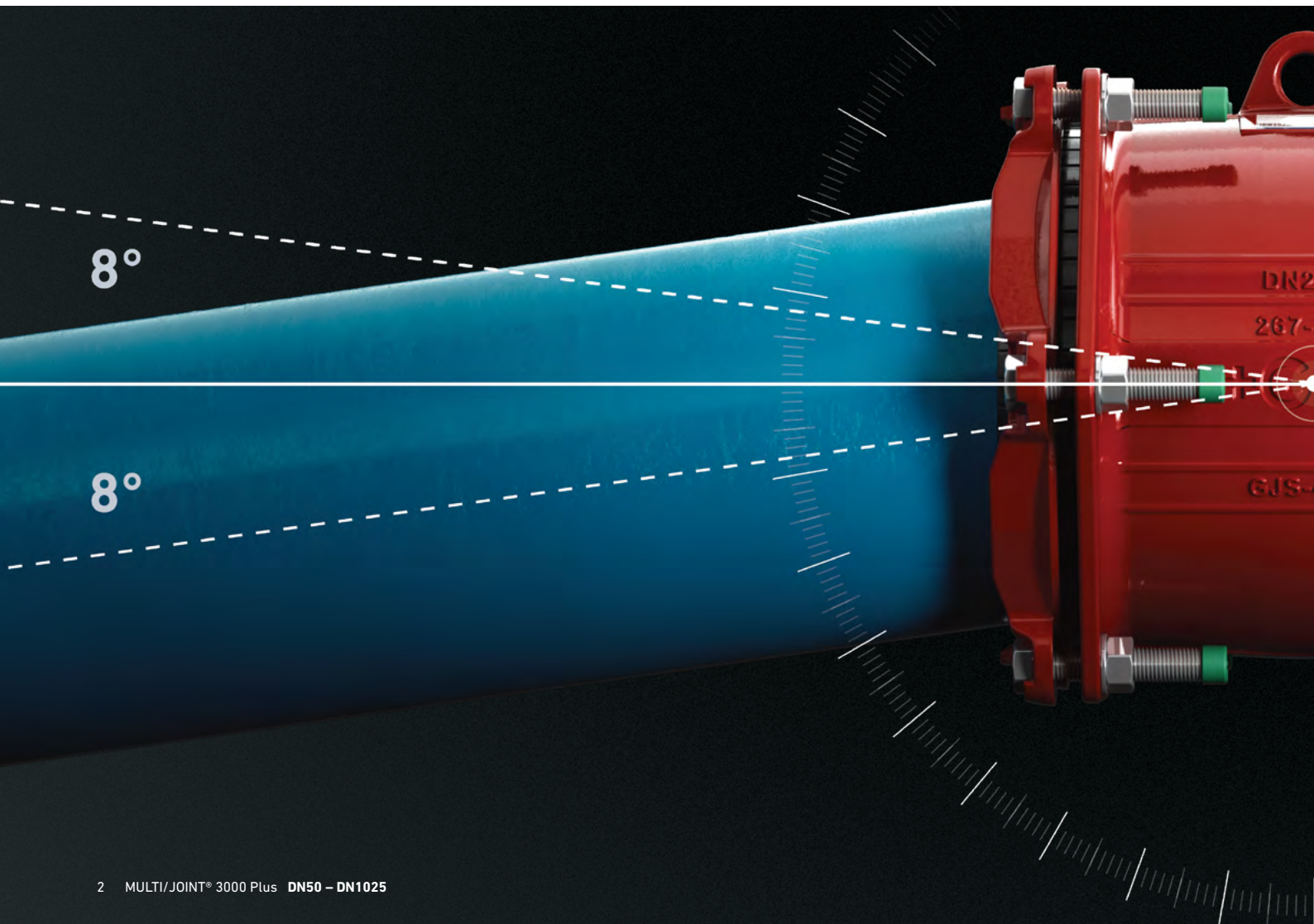
Featuring a patented restraint sealing system, the wide range MULTI/JOINT® 3000 Plus fittings ensure a secure and leak tight connection for all water and gas pipes, above and below ground. The ductile iron fittings are available in dimensions from DN50 up to DN1025 and are quick, safe

and simple to install. The system has an internationally proven track record of over 30 years, making it a trusted and preferred choice for professionals worldwide.

## Reduce your stock costs

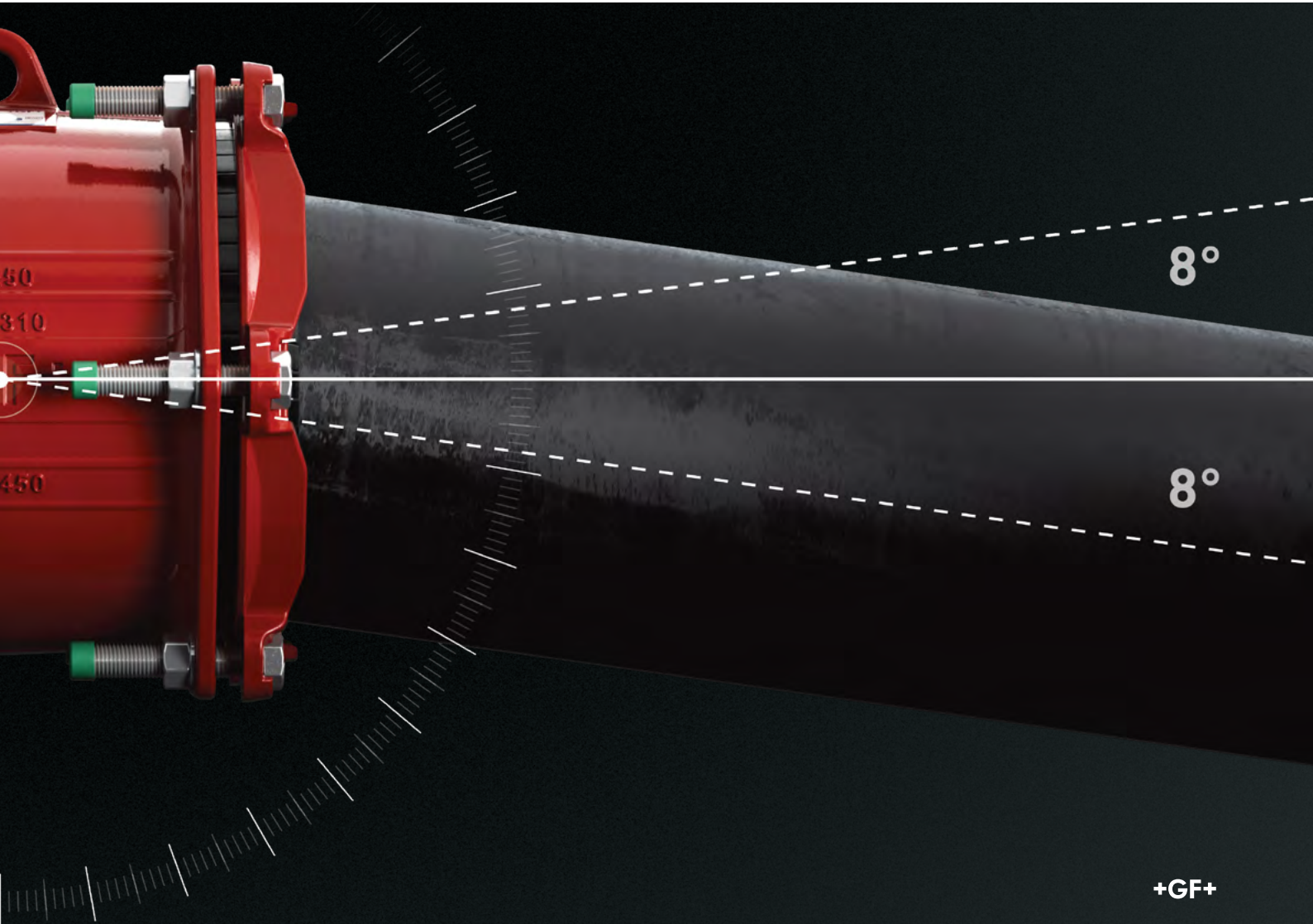
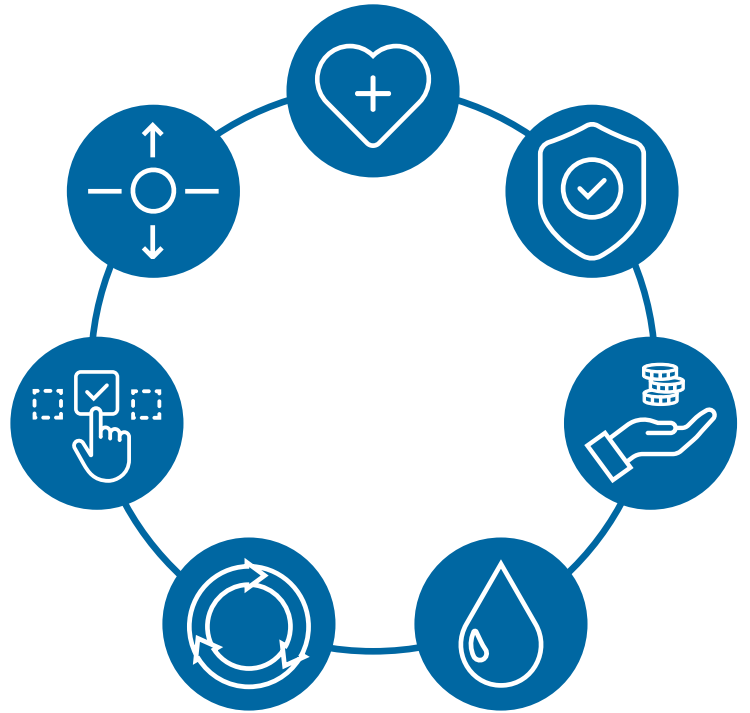
Thanks to the 'one-size fits and grips all' principle, MULTI/JOINT® 3000 Plus is suitable for all pipe materials and for pipes with different outside diameters. This allows stock reductions, saving shelf space and costs. The fittings are reusable, suitable for temporary use and easy to install without special tools. With an angularity of 8 degrees per socket end, these fittings allow for a flexible installation in the most challenging conditions.

MULTI/JOINT® 3000 Plus fittings are durable, corrosion-proof and have a technical life expectancy of 50 years. Connections with MULTI/JOINT® provide you peace of mind for all your piping projects.



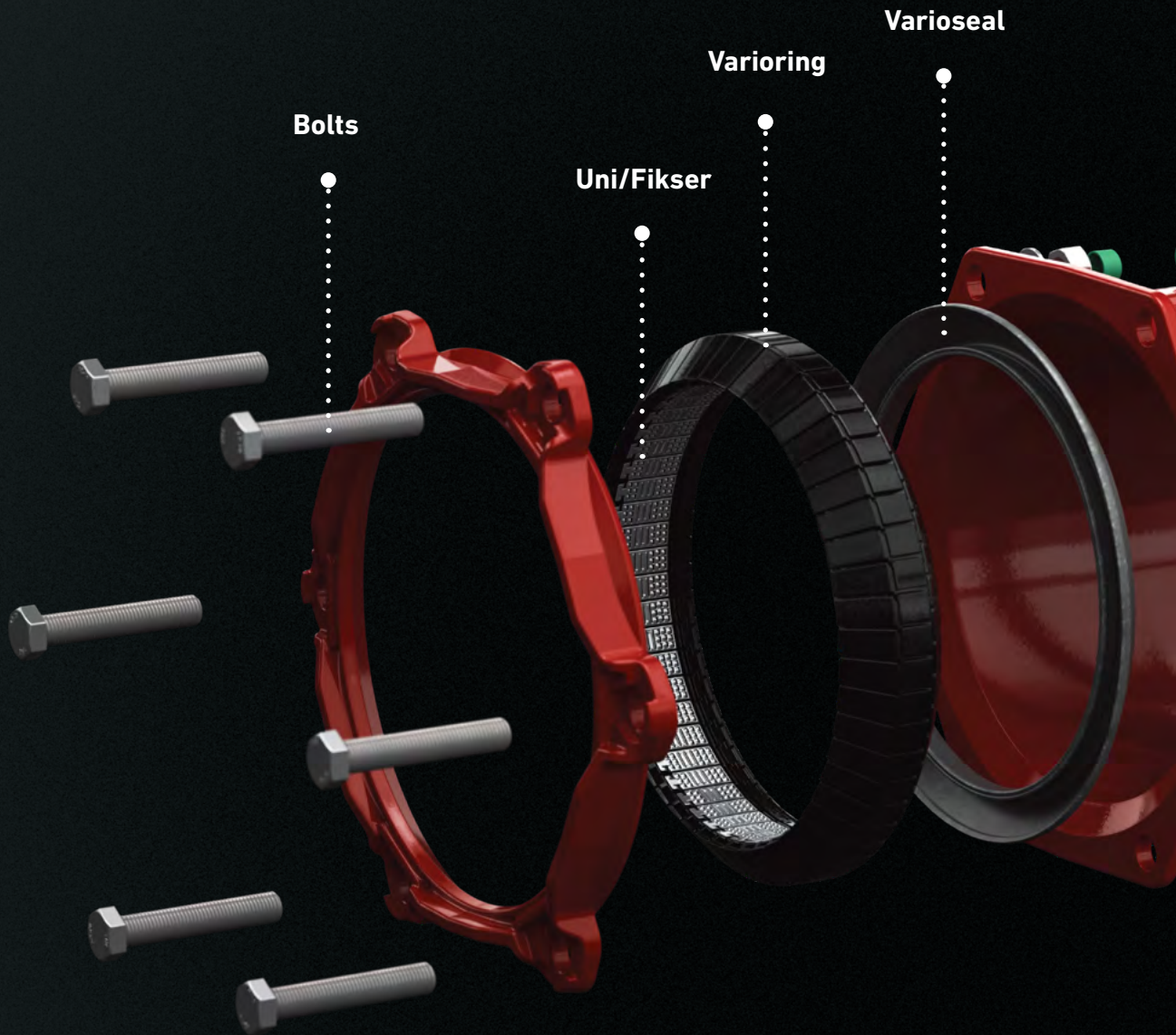
## Your benefits

- Peace of mind
- Quick, safe and simple installation
- Reduction of your stock costs thanks to the 'one-size fits and grips all' principle
- Durable and corrosion-proof
- Reusable
- Suitable for all pipe materials
- Applicable for under and above ground use



Durable and reliable

# High quality materials



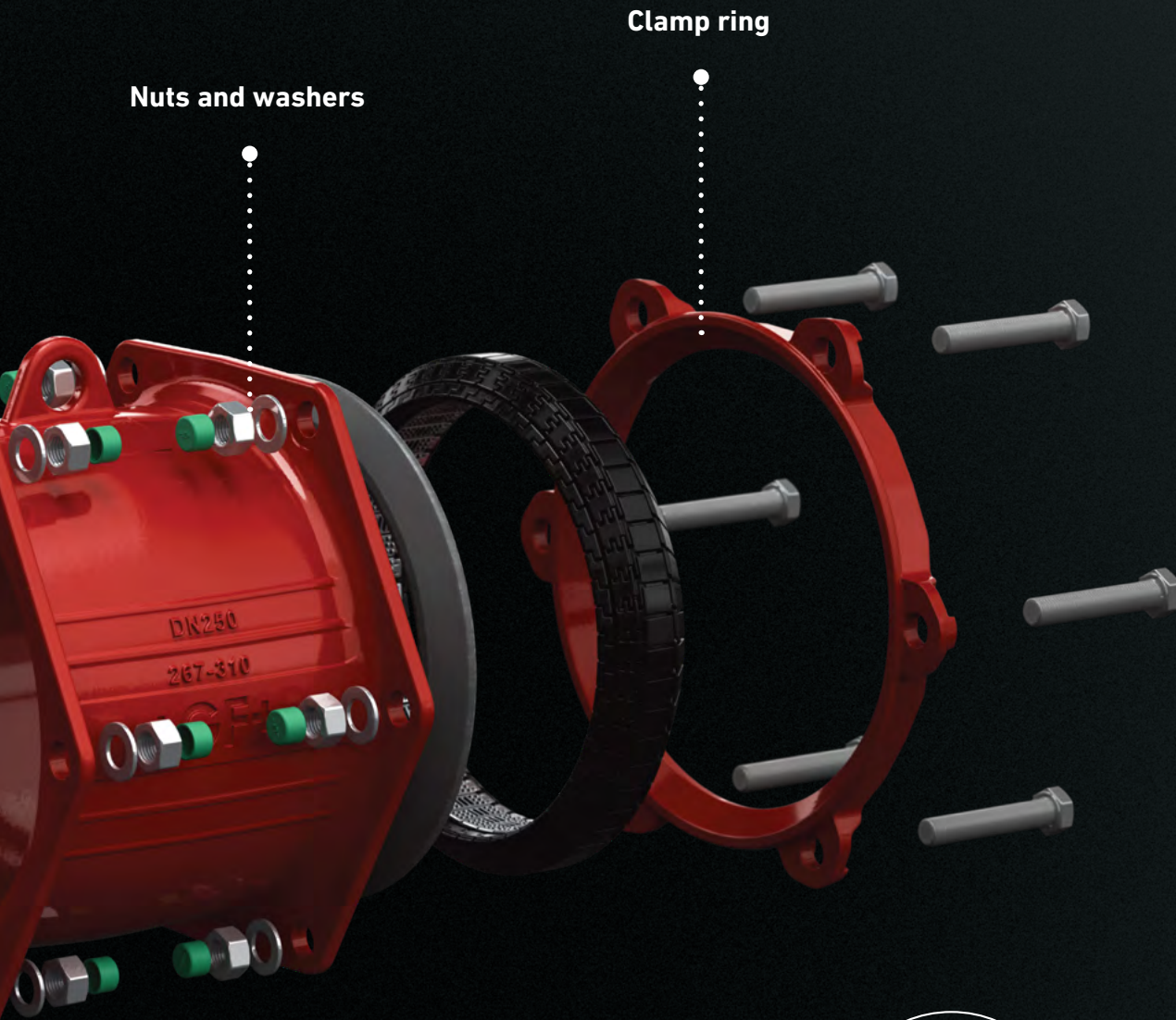
## Quick, safe and simple

The bolts, nuts and washers are made of stainless steel A2 (AISI 304) or A4 (AISI 316). The nuts are galvanized and passivated. The bolts are reversible and Lubo coated to prevent cold welding. They are perfect for reuse and make tightening very easy.



## Uni/Fiks ring: restraint system

The gripping system consists of a Uni/Fiks ring which contains numerous stainless steel grippers: the Uni/Fiksers. Together with the Varioseal made of EPDM or NBR, the MULTI/JOINT® ensures a restraint and leak-tight connection.



Nuts and washers

Clamp ring



**Corrosion free fitting**

The body as well as the clamp ring are made of ductile iron in accordance with EN-GJS-450-10. These components are coated with Resicoat® epoxy powder coating, ensuring a corrosion free MULTI/JOINT® which is GSK certified.



**Hygiene protection**

All MULTI/JOINT® fittings have hygiene protection, in this way the fitting will stay clean from production to point of use. Hygiene caps are made from recycled plastic.

One size fits and grips all

# MULTI/JOINT® 3000 Plus DN50 – DN1025

## Fields of application

- Water distribution
- Water transport
- Gas distribution
- Waste water
- Maintenance and repair
- Industrial applications

Versatile solutions

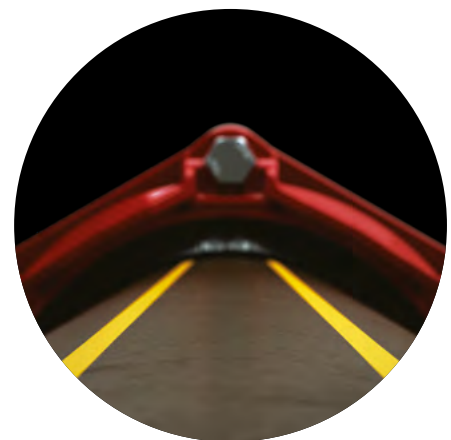
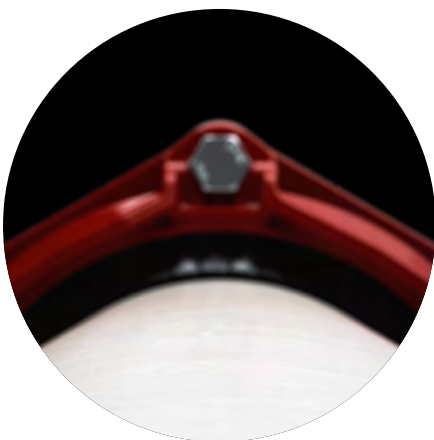
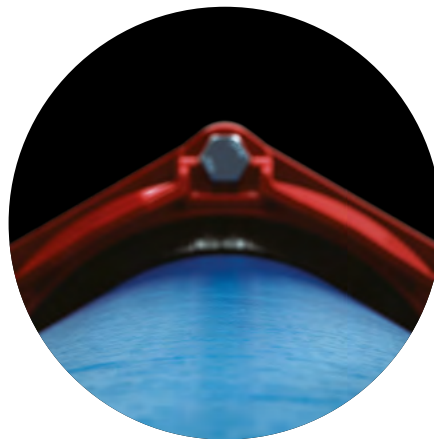
# Suitable for all pipe materials

Frequently, the need arises to connect existing pipes with new pipes with varying outside diameters and differing pipe materials. Thanks to the unique wide range sealing system of the restraint MULTI/JOINT® fittings, quick connections of all kinds of pipes can be achieved without special tools, as long as the nominal diameters are the same. One-size fits and grips all.

MULTI/JOINT® 3000 Plus has a range of up to 43 mm and connects pipes from 46 – 1074 mm. The restraint fittings are suitable for applications in water up to 16 bar and in gas up to 8 bar.

## For all pipe materials

- PE
- PVC(O)
- Grey cast iron
- (Ductile) cast iron
- AC
- (Stainless) steel
- GRP





Watch the video



One size fits and grips all

# Unique sealing system

**The patented sealing system of the MULTI/JOINT®, called Uni/Fiks ring, is the heart of the system and consists of multiple parts; a rubber seal, plastic segments and stainless steel grippers. Together they ensure a progressive seal and leak-tight connection that gives you peace of mind.**

## Varioseal

The Varioseal gasket is characterized by its thin but durable design, ensuring optimal sealing force over the full lifespan of the fitting. The Varioseal which is available in EPDM and NBR is firmly embedded in the Varioring. During the installation process this unique sealing system ensures that every connection is leak-tight.

## Plastic segments

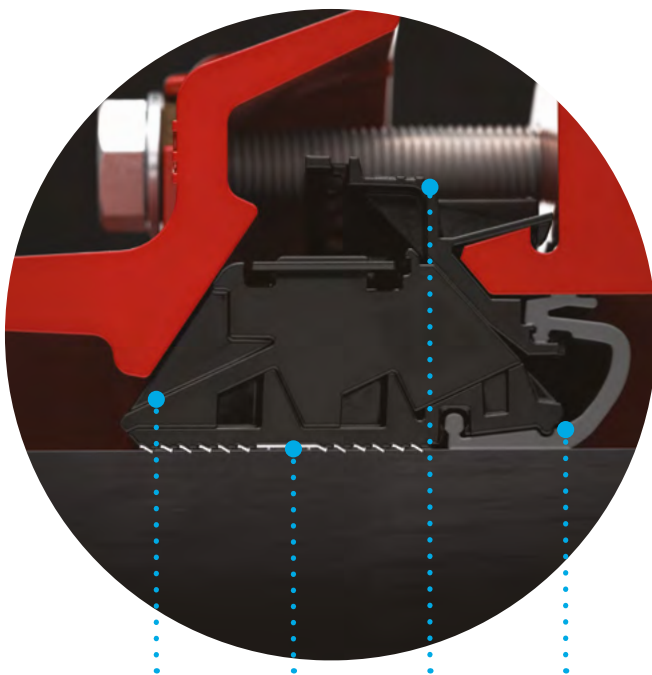
The plastic segments in the Varioring enable large range coverage in pipe outside diameters, making MULTI/JOINT® a true wide range solution. For fitting size DN50 up to

DN125, the segments consist of one part that is made of POM (Polyoxymethylene). The segments for ring size DN150 up to DN1025 consist of a wedge (made of POM) and a topple (made of polyamide). In fitting sizes DN425 up to DN1025 a clip has been added to firmly position the Varioring inside the body of the fitting. Together with the Varioseal, the segments provide you ultimate flexibility.

## Uni/Fiksers

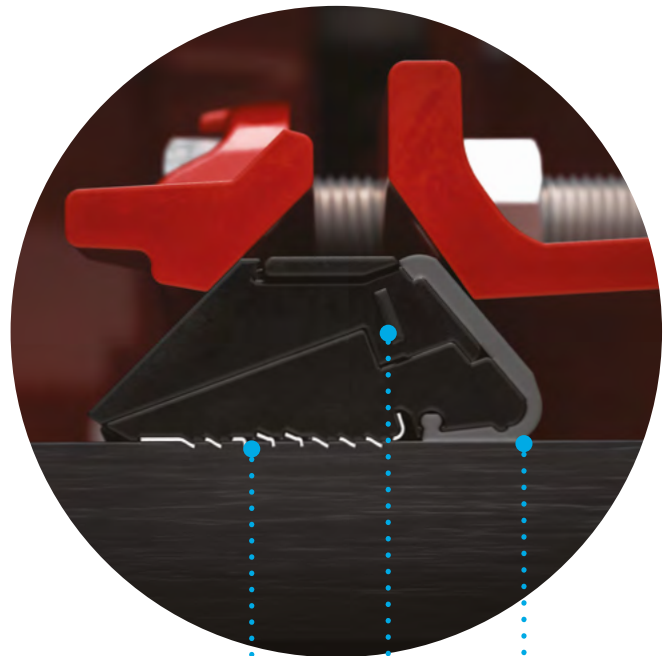
The Uni/Fiksers are stainless steel grippers and ensure optimal pull out resistance both on rigid pipe materials as well as on plastic pipes, without compromise. The inclusion of Uni/Fiksers eliminates the requirement for thrust blocks. This restraint connection has been proven to be effective for water applications up to 16 bar and gas applications up to 8 bar.

**Uni/Fiks ring  
DN425 – DN1025**



Plastic segment    Uni/Fikser    Clip    Varioseal

**Uni/Fiks ring  
DN150 – DN400**



Uni/Fikser    Plastic segment    Varioseal

One complete system

# Models and types



Coupling

MULTI/JOINT® 3000 & 3007



Flange Adaptor

MULTI/JOINT® 3050 & 3057



Reduced Coupling

MULTI/JOINT® 3100 & 3107



Reduced Flange Adaptor

MULTI/JOINT® 3150 & 3157



End Cap - Blind

MULTI/JOINT® 3207



End Cap - Threaded  $\frac{3}{4}$ " – 2"

MULTI/JOINT® 3207



Spigot End

MULTI/JOINT® 3080 & 3087



Reduced Spigot End

MULTI/JOINT® 3180 & 3187



Bend

MULTI/JOINT® 3400 & 3407



Reduced Duckfoot

MULTI/JOINT® 3550 & 3557



PE Adaptor

MULTI/JOINT® 3067

# Technical specifications

DN (mm)	Range (mm)	DN (mm)	Range (mm)
DN50	46 - 71	DN475	481 - 513
DN65	63 - 90	DN500	500 - 532
DN80	84 - 105	DN550	548 - 580
DN100	104 - 132	DN600	605 - 637
DN125	132 - 155	DN625	630 - 662
DN150	154 - 192	DN675	665 - 697
DN200	192 - 232	DN700	709 - 741
DN225	230 - 268	DN750	745 - 777
DN250	267 - 310	DN800	799 - 831
DN300	315 - 356	DN825	837 - 869
DN350	352 - 393	DN900	899 - 931
DN400	392 - 433	DN925	939 - 971
DN425	432 - 464	DN1000	994 - 1026
DN450	450 - 482	DN1025	1042 - 1074

## Specifications

<b>Body and clamp ring</b>	Ductile iron GGG45 in accordance with EN-GJS-450-10.
<b>Coating</b>	Resicoat® epoxy powder coating meets the requirements of for example ACS, Belgaqua, KTW, NSF Standard 61, WRAS, KIWA. Colour red (RAL 3011). Minimum layer thickness 250 micron, in accordance with the GSK-register.
<b>Varioseal / rubber gasket</b>	Potable water: EPDM in accordance with EN 681-1. Water and gas: NBR in accordance with EN 682.
<b>Uni/Fiks ring</b>	POM (polyoxymethylene) and/or glass fiber filled polyamide.
<b>Uni/Fiksers</b>	Stainless steel A4 (AISI 316).
<b>Bolts and nuts</b>	Stainless steel A2 (AISI 304) or stainless steel A4 (AISI 316). Bolts are Lubo coated, nuts are galvanised and passivated to prevent cold welding.
<b>Washers</b>	Stainless steel A2 (AISI 304) or stainless steel A4 (AISI 316).
<b>Flanges</b>	Drilling pattern PN10/PN16 in accordance with EN 1092-2 or drilling patterns in accordance with AWWA and Table D.
<b>Working temperature</b>	-5°C to +50°C.
<b>Working pressure (PFA)*</b>	Restraint: up to PFA 16 bar water and up to 8 bar gas. Non restraint: up to PFA 25 bar water and up to 8 bar gas.
<b>Certificates</b>	ACS, Belgaqua, WRc, ÖVGW, SVGW, DVGW, WRAS, NSF 61 and KIWA. EN 14525: ÖVGW, SVGW and KIWA.

\* For details see user manual or contact your supplier.

## Contact information

P.O. Box 290  
8160 AG Epe  
The Netherlands

T +31 578 678378  
[waga.ps@georgfischer.com](mailto:waga.ps@georgfischer.com)  
[www.waga.nl](http://www.waga.nl)

