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MULTI/JOINT[®] 3000 Plus

2" – 41"



The perfect fit for your piping systems

MULTI/JOINT® 3000 Plus

Repairing and connecting water 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. This is the answer when a flexible restraint connection is required.

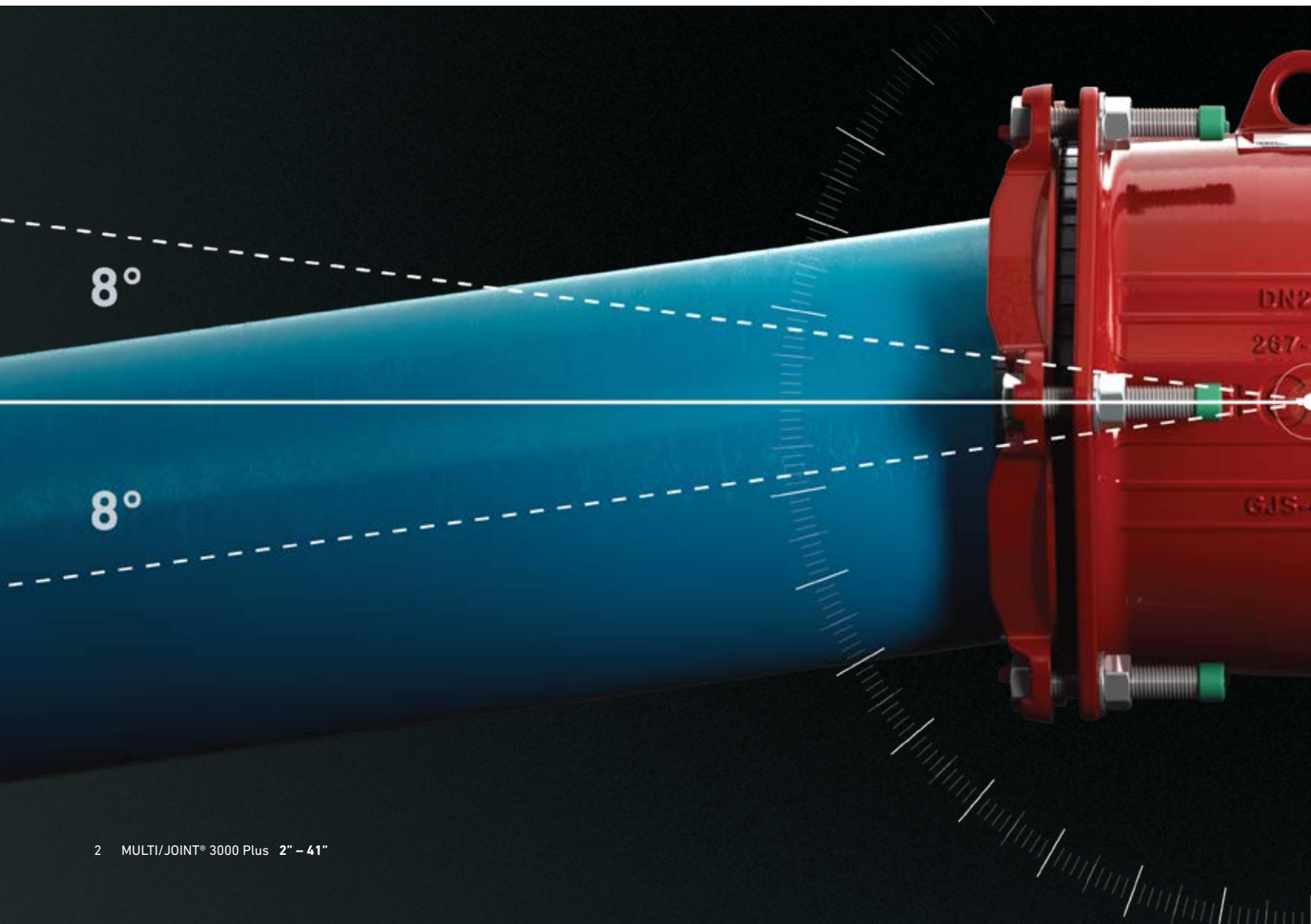
State of the Art Sealing System

Featuring a patented restraint sealing system, the wide range MULTI/JOINT® 3000 Plus fittings ensure a secure and leak tight connection for all water pipes, above and below ground.

The ductile iron fittings are available in dimensions from 2" up to 41" 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. 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.

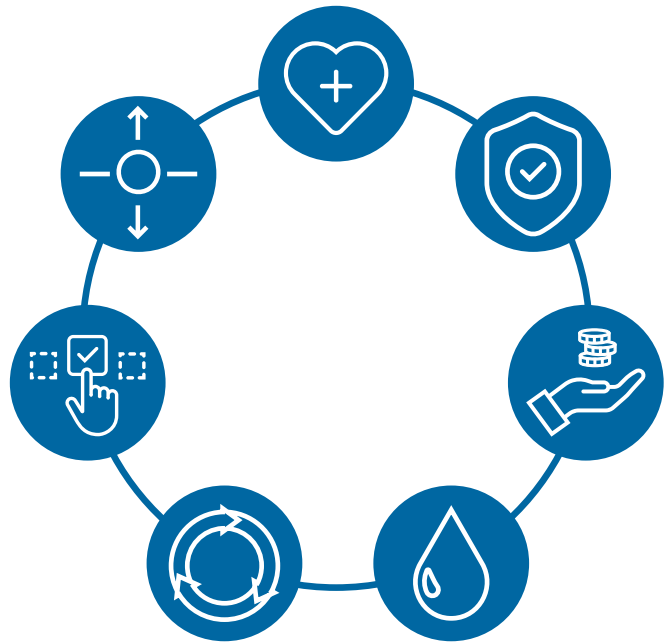


Angularity

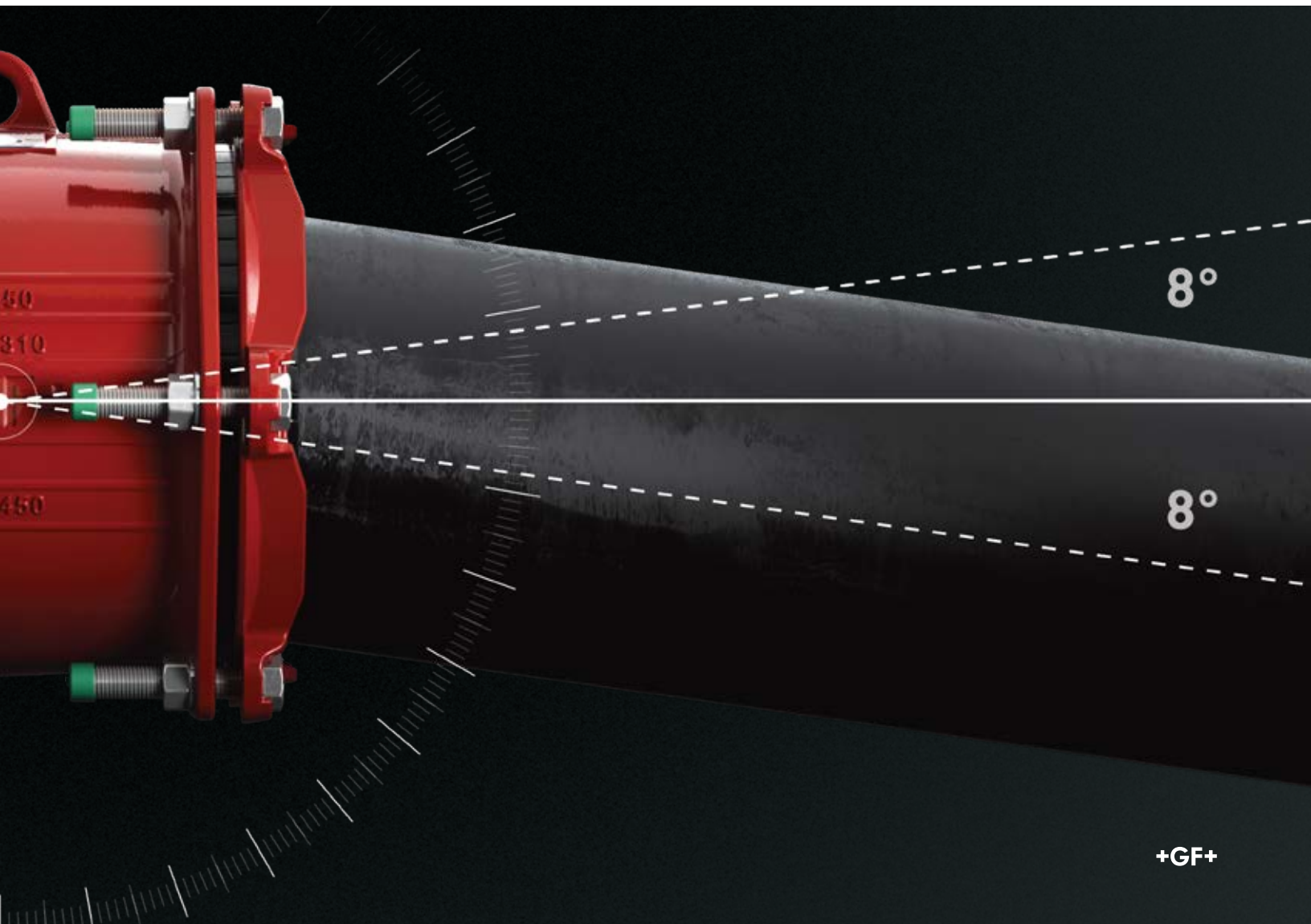
The MULTI/JOINT® 3000 Plus system has a nominal angularity of 8 degrees per socket end. For a coupling this means a nominal angularity of maximum 16 degrees. The angularity ensures flexibility during and after installation. The flexibility allows the pipe to move in the fitting after installation without compromising functionality. This can compensate for differential ground settlement after the trench is backfilled.

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
- One piece, stab-fit installation
- Accommodates 16 degrees of angularity (8 degrees on each end)
- No need for thrust blocks
- Suitable for all pipe materials, such as (D)CI, AC, PVC(O), PE and (stainless) steel

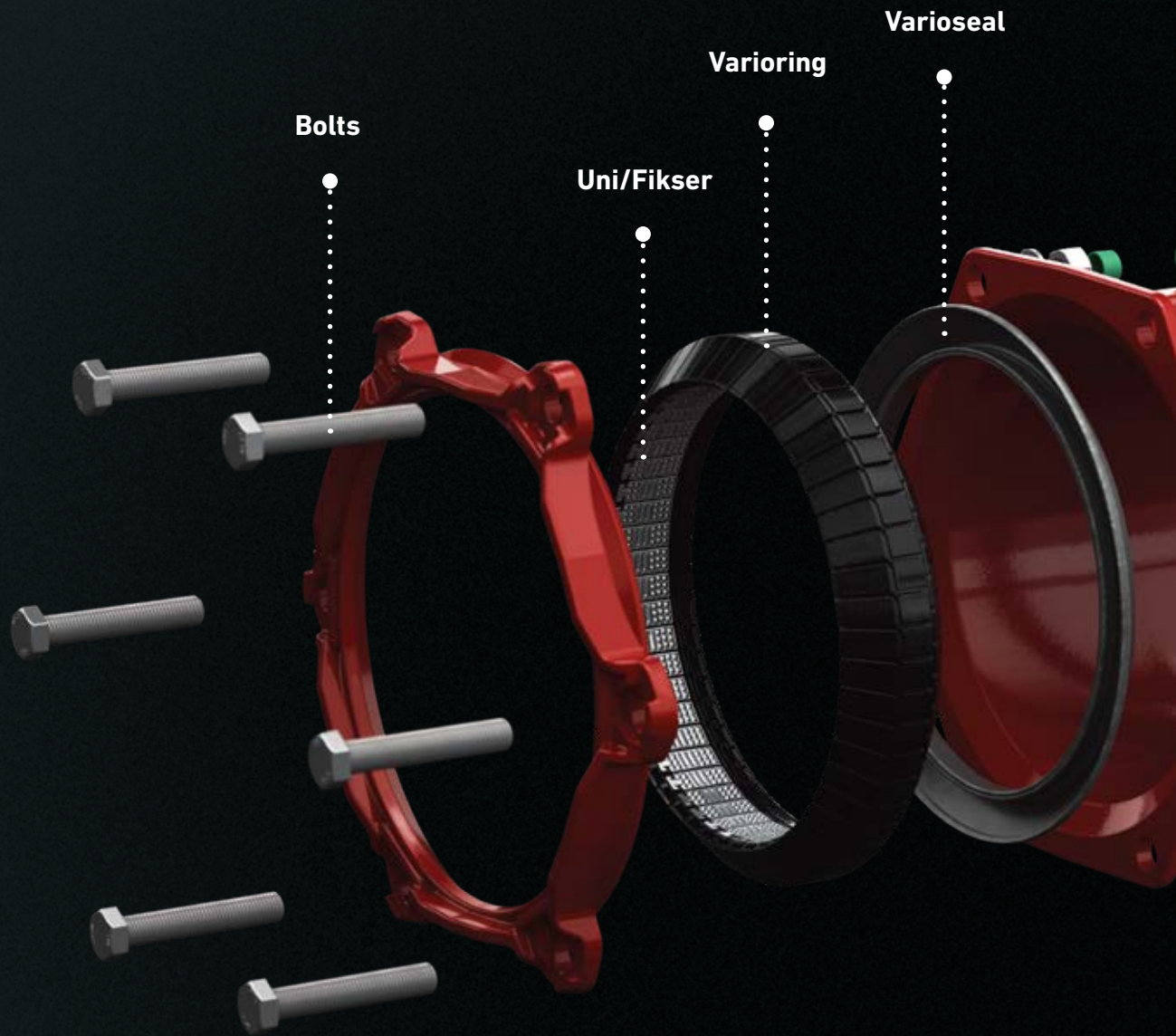


- Durable and corrosion-proof
- Reusable
- Applicable for under and above ground use



Durable and Reliable

High Quality Materials



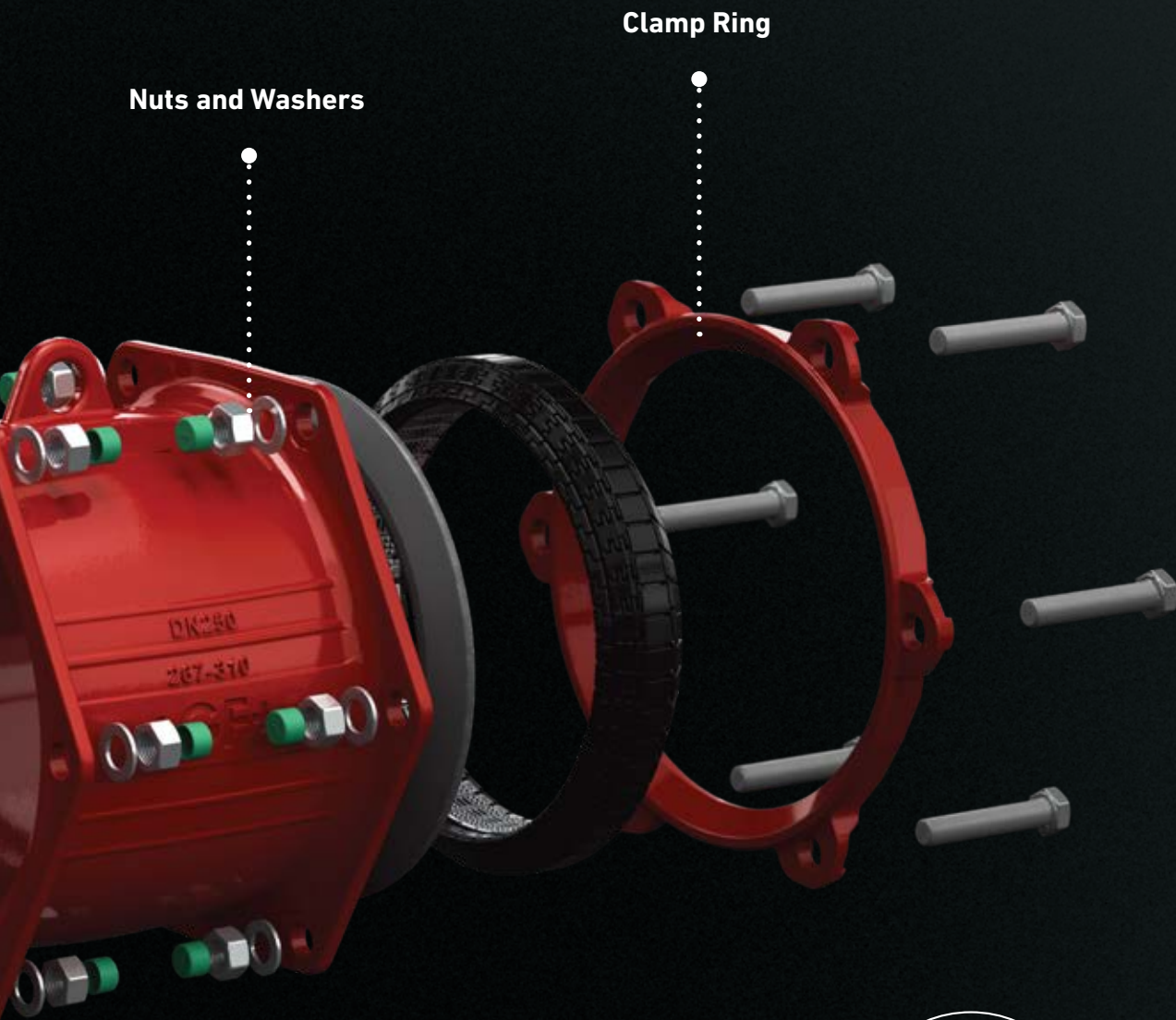
Quick, Safe, and Simple

The bolts, nuts, and washers are made of stainless steel AISI 304 or 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 and clamp ring are made of ductile iron in accordance with ASTM A536 grade 65-45-12. 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; 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

2" – 41"

Fields of Application

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

Versatile Solutions

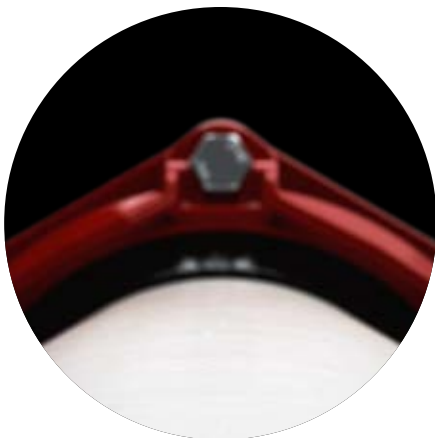
Suitable for All Pipe Materials

Frequently, the need arises to connect existing pipes with new pipes that have 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 1.693" and connects pipes from 1.811" - 42.283". The restraint fittings are suitable for applications in water up to 232 psi.

For All Pipe Materials

- PE
- PVC/PVCO
- Grey Cast Iron
- Cast Iron/ Ductile Cast Iron
- Asbestos Cement
- Stainless Steel/Steel
- Glass Reinforced Plastic





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

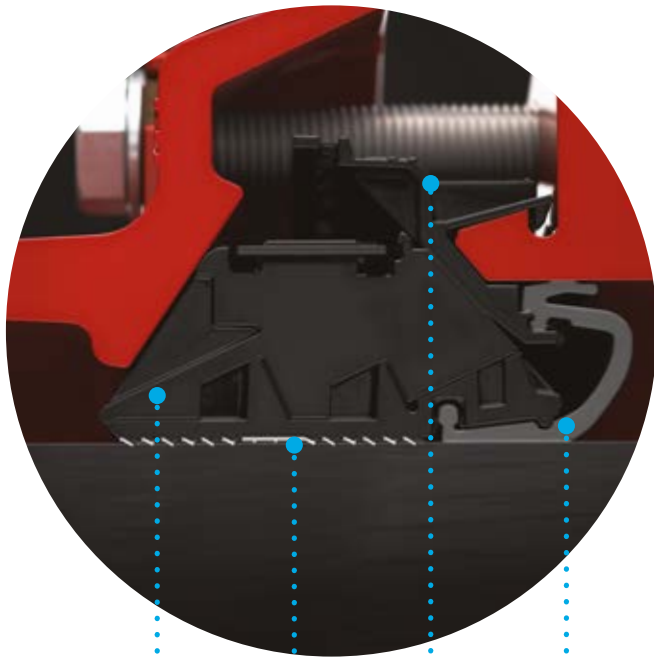
The plastic segments in the Varioring enable large range coverage in pipe outside diameters, making MULTI/JOINT® a true wide range solution. For fitting size 2" up to 5",

the segments consist of one part that is made of POM (Polyoxymethylene). The segments for ring size 6" up to 41" consist of a wedge (made of POM) and a topple (made of polyamide). In fitting sizes 17" up to 41" 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

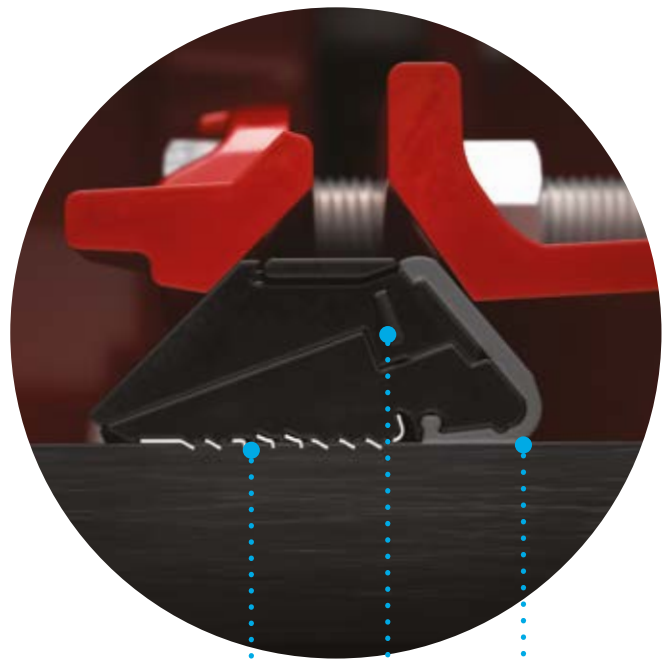
The Uni/Fiksers are stainless steel grippers and ensure optimal pull out resistance both on rigid pipe materials as well as on plastic pipes without compromise. The inclusion of Uni/Fiksers eliminates the requirement for thrust blocks. This restraint connection has been proven to be effective for water applications up to 232 psi.

Uni/Fiks ring
17" - 41"



Plastic segment Uni/Fikser Clip Varioseal

Uni/Fiks ring
6" - 16"



Uni/Fikser Plastic segment Varioseal

One Complete System



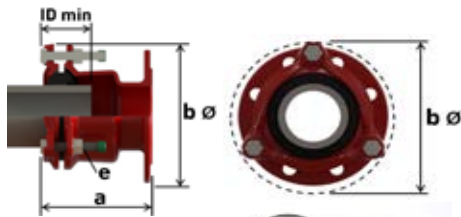
Couplings

IPS O.D. (inch)	DIPS O.D. (inch)	Pipe OD Range (inch)	Working pressure*	Weight (pounds)	Part Number
2"		1.811 - 2.795	232 psi	10.8	709305610
3"		2.480 - 3.543	232 psi	12.8	709305612
3"		3.307 - 4.133	232 psi	16.5	709305614
4"	4"	4.094 - 5.196	232 psi	20.2	709305616
5"		5.196 - 6.102	232 psi	26.6	709305618
6"	6"	6.062 - 7.559	232 psi	38.3	709305620
8"	8"	7.559 - 9.133	232 psi	65.6	709305624
		9.050 - 10.551	232 psi	88	709305626
10"	10"	10.500 - 12.204	232 psi	97.2	709305628
12"	12"	12.401 - 14.015	232 psi	126.3	709305632
14"	14"	13.858 - 15.472	232 psi**	162.8	709305636
16"		15.433 - 17.047	232 psi**	159.3	709305640
18"	16"	17.000 - 18.267	150 psi	213	709305642
18"		17.716 - 18.976	150 psi	220.4	709305672
20"	18"	18.937 - 20.196	150 psi	231.9	709305673
20"		19.685 - 20.944	150 psi	219.8	709305674
22"	20"	21.574 - 22.834	150 psi	268	709305676
24"		23.818 - 25.078	150 psi	321.2	709305678
26"	24"	24.803 - 26.063	150 psi	486.2	709305680
		26.181 - 27.441	150 psi	508.2	709305681
28"		27.913 - 29.173	150 psi	541.2	709305682
30"		29.331 - 30.591	150 psi	572	709305685
32"	30"	31.456 - 32.740	150 psi	622	709305683
34"		32.952 - 34.212	150 psi	645	709305684
36"		35.393 - 36.653	150 psi	719	709305679
37"		36.969 - 38.228	150 psi	752	709305686
40"		39.133 - 40.393	150 psi	805	709305687
41"		41.023 - 42.283	150 psi	822	709305688
2"x3"		1.811 - 2.795 / 2.480 - 3.543	232 psi	12.1	709405618
3"x3"		2.480 - 3.543 / 3.307 - 4.133	232 psi	14.7	709405620
3"x4"		3.307 - 4.133 / 4.094 - 5.196	232 psi	17.6	709405624
4"x5"		4.094 - 5.196 / 5.196 - 6.102	232 psi	25.5	709405632
4"x6"	4"x6"	4.094 - 5.196 / 6.062 - 7.559	232 psi	33.4	709405636
5"x6"		5.196 - 6.102 / 6.062 - 7.559	232 psi	36.7	709405638
6"x8"	6"x8"	6.062 - 7.559 / 7.559 - 9.133	232 psi	54.6	709405648
10"x12"	10"x12"	10.500 - 12.204 / 12.401 - 14.015	232 psi	111	709405686
12"x14"	12"x14"	12.401 - 14.015 / 13.858 - 15.472	232 psi**	137	709405688
16"x18"		15.433 - 17.047 / 17.008 - 18.267	150 psi	189	709405693
18"x20"	16"x18"	17.008 - 18.268 / 18.937 - 20.197	150 psi	223	709405695
20"x22"		19.685 - 20.945 / 21.575 - 22.835	150 psi	253	709405696
24"x25"		23.818 - 25.078 / 24.803 - 26.063	150 psi	433	709405698
36"x37"		35.393 - 36.653 / 36.969 - 38.228	150 psi	730	709405701
40"x41"		39.133 - 40.393 / 41.023 - 42.283	150 psi	805	709405702



Reduced Couplings

	Size	Range 1 min	Range 1 max	ID Min	ANSI/AWWA C110 Flange	b	# of Bolt Holes Flange	Bolt Size	Weight (lbs)	Working Pressure	Part Number
Flanged Couplings	2"	1.811"	2.795"	3.307	2"	6.457	4	M12	10.34	232 psi	709355611
	2.5"	2.48"	3.543"	3.307	2.5"	7.323	4	M12	12.54	232 psi	709355613
	3"	3.307"	4.133"	3.307	3"	8.031	4	M12	14.74	232 psi	709355640
	4"	4.094"	5.196"	3.543	4"	9.291	8	M16	18.48	232 psi	709355642
	6"	6.062"	7.559"	4.331	6"	11.969	8	M16	31.24	232 psi	709355644
	8"	7.559"	9.133"	4.331	8"	13.937	8	M16	48.62	232 psi	709355646
	10"	10.5"	12.204"	5.118	10"	17.008	12	M20	71.72	232 psi	709355648
	12"	12.401"	14.015"	5.118	12"	19.488	12	M20	93.28	232 psi	709355650
	16"	15.433"	17.047"	5.315	16"	20.63	16	M20	191.18	150 psi	709455694
	17" Reduced	17"	18.267"	6.229	16"	24.528	16	M20	158.62	150 psi	709455689
19" Reduced	18.937"	20.196"	6.229	16"	26.457	16	M20	178.42	150 psi	709455691	



Flanged couplings

- Suitable for all pipe material such as AC, PE, PVC(O), (stainless) steel, grey cast iron and (ductile) cast
- Angular deflection of max. 8° per socket at installation (based on the middle of the coupling range).
- Suitable for water applications.
- For sizes up to 32", call us for a quote.



Insert stiffener

- When connecting PE pipes always install an insert stiffener
- When connecting PVC pipes install an insert stiffener if the wall thickness is smaller than SDR21



Available upon request

- End cap - Blind
- End cap - Threaded
- Bend



Certified to NSF/ANSI/CAN 61

Technical Specifications

Body and clamp ring	Ductile iron ASTM A536 grade 65-45-12.
Coating	Resicoat® Epoxy powder coating, type RT 9000 R4, NSF 61 approved. Colour red (RAL 3003). Minimum layer thickness 10 mil, in accordance with AWWA C116/A21.16-22.
Varioseal/rubber gasket	Potable water: EPDM, NSF 61 approved. Non potable water: NBR.
Uni/Fiks ring	POM (polyoxymethylene) and/or glass fiber filled polyamide.
Uni/Fiksers	Stainless steel AISI 316.
Bolts and nuts	Stainless steel AISI 304 or stainless steel AISI 316. Bolts are Lubo coated, nuts are galvanised and passivated to prevent cold welding.
Washers	Stainless steel AISI 304 or stainless steel AISI 316.
Flanges	Drilling pattern in accordance with AWWA C110 or patterns PN16/10 in accordance with EN 1092-2.
Working temperature	-5°C to +50°C / 23°F to 122°F.
Working pressure (PFA)*	Restraint: up to 232 psi water. Non restraint: up to 362 psi water.
Certificate	NSF, ACS (France), Belgaqua (Belgium), WRc (United Kingdom), ÖVGW (Austria), DVGW (Germany), SVGW (Switzerland), and KIWA (The Netherlands). EN 14525: ÖVGW, SVGW, and KIWA.
Standards	AWWA C219-23, AWWA C111/A21.11-23, AWWA C153-19, RMDCS 02511, NSF 61, ASTM F1476-07(2019), AWWA C116/A21.16-22.

* For details see user manual or contact your supplier.

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