



Cascade

A BIG welcome

MULTI/JOINT[®] 3000 Plus DN450 - DN600



The original just got BIGGER and BETTER!

The well-known and trusted wide range restraint MULTI/JOINT® 3000 Plus system has now been extended with the sizes DN450 – DN600. You can now benefit from the advantages of the patented MULTI/JOINT® 3000 Plus system in the bigger diameters as well. An advanced restraint solution, that fully meets the market demands, to replace traditional connection techniques.



Bigger and better!

Superb user-friendliness

The MULTI/JOINT® 3000 Plus DN450 - DN600 fittings have an angularity of $\pm 8^\circ$ per socket-end at maximum end load resistance. For a coupling this means a total of maximum 16° angularity. This angularity is unique in the marketplace and offers the installers superb user friendliness.

Restraint at high pressure for your peace of mind

The MULTI/JOINT® 3000 Plus DN450 - DN600 restraint fittings are suitable for applications in water up to 10 bar and gas up to 5 bar. The non-restraint versions are suitable for applications in water up to 16 bar and gas up to 8 bar.

Easy installation

The MULTI/JOINT® 3000 Plus DN450 - DN600 fittings are easy to handle on site thanks to the lifting eye. The patented design of the DN450 – DN600 Uni/Fiks ring, which attaches the ring to the body by means of clips, simplifies the installation. The fitting slides over the pipe without any interference. In other words: there is no need for disassembly.





Your benefits

- Saving time and costs, no thrust blocks needed
- Corrosion proof thanks to a Resicoat® epoxy powder coated cast iron body and clamp ring
- Easy to install thanks to the design, which enables sliding over the pipe and angularity (max. 8° per socket end, max. 16° per coupling)
- reversible bolts for quick and easy installation
- Easy to handle thanks to the lifting eye



Hygiene protection

Moreover, the MULTI/JOINT® 3000 Plus fittings DN450 - DN600 are supplied with hygiene protection. Thanks to this protection the fittings remain free of dust and dirt until the time of use.

Tested and approved

The MULTI/JOINT® 3000 Plus fittings DN450 - DN600 are, just as the full MULTI/JOINT® system, intensively tested. Certification according to EN 14525 is pending. All MULTI/JOINT® 3000 Plus fittings are supplied with a certified Resicoat® epoxy powder coating, which provides an excellent protection against corrosion.

+ Durable and reliable large diameter fittings for a quick, safe and simple repair solution

MULTI/JOINT® The original!

Perfection in every detail



Clamp ring:

ductile cast iron GGG45 EN-GJS-450-10
with Resicoat® epoxy powder coating
type RT 9000 R4

Uni/Fiks ring

Uni/Fikser:

stainless steel A4
(AISI 316)

Varioseal:

rubber gasket
(EPDM or NBR)

Body:

ductile cast iron
GGG45 EN-GJS-450-10
with Resicoat®
epoxy powder
coating type
RT 9000 R4

Washer:

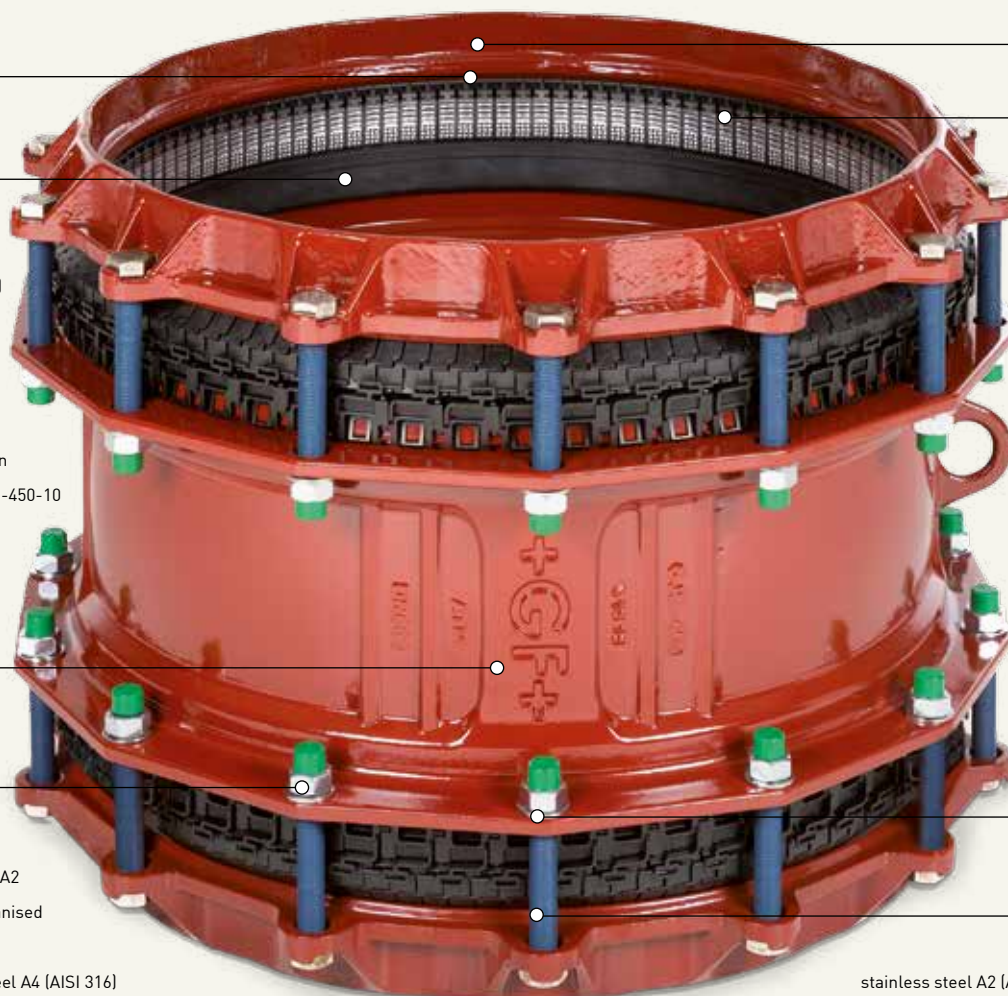
stainless steel A2
(AISI 304)
or stainless steel A4
(AISI 316)

Nuts:













stainless steel A2
(AISI 304) galvanised
and passivated
or stainless steel A4 (AISI 316)
galvanised and passivated

Bolts:

stainless steel A2 (AISI 304) PTFE coated
or stainless steel A4 (AISI 316) PTFE coated



The complete system

Model			Type	Dimensions	Range	
	Coupling	restraint	3007	DN50 - DN600	46 - 637	NEW
		non restraint	3000	DN50 - DN600	46 - 637	NEW
	Reduced coupling	restraint	3107	DN50 - DN500	46 - 580	NEW
		non restraint	3100	DN50 - DN500	46 - 580	NEW
	Flange adaptor	restraint	3057	DN50 - DN600	46 - 637	NEW
		non restraint	3050	DN50 - DN600	46 - 637	NEW
	Reduced flange adaptor	restraint	3157	DN40 - DN500	46 - 580	NEW
		non restraint	3150	DN40 - DN500	46 - 580	NEW
	End cap blind	restraint	3207 blind	DN50 - DN400	46 - 433	
		non restraint	3200 blind	DN50 - DN400	46 - 433	
	End cap 3/4" - 2" threaded	restraint	3207 threaded	DN50 - DN400	46 - 433	
		non restraint	3200 threaded	DN50 - DN400	46 - 433	
	PE adaptor	restraint	3067	DN50 - DN300	46 - 356	
	Spigot end	restraint	3087	DN50 - DN200	46 - 232	
		non restraint	3080	DN50 - DN200	46 - 232	
	Reduced spigot end	restraint	3187	DN80	84 - 105	
		non restraint	3180	DN80	84 - 105	
	Duckfoot	restraint	3457	DN80	84 - 105	
		non restraint	3450	DN80	84 - 105	
	Reduced duckfoot	restraint	3557	DN50 - DN150	46 - 192	
		non restraint	3550	DN50 - DN150	46 - 192	
	Bend	restraint	3407	DN80 - DN150	84 - 192	
		non restraint	3400	DN80 - DN150	84 - 192	

+ The complete solution for all your connection, maintenance and repair applications



Technical specifications

Specifications

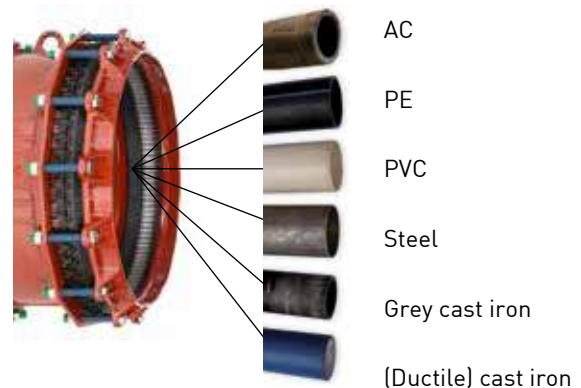
Body	Ductile cast iron GGG45 in accordance with EN-GJS-450-10.
Clamp ring	Ductile cast iron GGG45 in accordance with EN-GJS-450-10.
Coating	Resicoat® epoxy powder coating, type RT 9000 R4, meets the requirements of for example ACS, Belgaqua, KTW, NSF Standard 61, WRAS, KIWA. Colour red (RAL 3003). Minimum layer thickness 250 micron, in accordance with the GSK-register.
Varioseal rubber gasket	Potable water: EPDM in accordance with EN 681-1. Water and gas: NBR in accordance with EN 682.
Uni/Fiks and Uni/Fleks ring	POM (polyoxymethylene) and/or glass fibre filled Polyamide.
Uni/Fiksers	Stainless steel A4 (AISI 316).
Bolts and nuts	Stainless steel A2 (AISI 304) or stainless steel A4 (AISI 316). Bolts are PTFE coated, nuts are galvanised and passivated to prevent galling.
Washers	Stainless steel A2 (AISI 304) or stainless steel A4 (AISI 316).
Flange	Drilling pattern PN16 / PN10 in accordance with EN 1092-2.
Working temperature	-5°C to +50°C.
Working pressure (PFA)*	Non restraint: up to PFA 16 bar water and up to 8 bar gas. Restraint: up to PFA 10 bar water and up to 5 bar gas. * For details see user manual or contact your supplier.
Certificates	ACS, Belgaqua, WRc, ÖVGW, SVGW, DVGW, WRAS, NSF and KIWA. EN 14525: ÖVGW, SVGW and KIWA (pending).



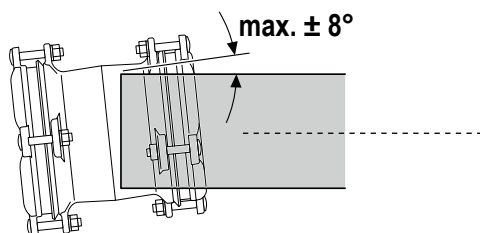
Sealing system



Suitable for all pipe materials



Nominal angularity*



Insert stiffener

In case of connecting PE or PVC pipes, install an insert stiffener.



* based on the middle of the range



Contact Information

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“Cascade are on social media... use the smart link below to visit our new website, which is now mobile friendly.”



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