

Why Use MULTI/JOINT® 3000 Plus ?

-The MULTI/JOINT® 3000 Plus fittings have easily accessible offset bolts. Installers can easily access the bolts, so they can be tensioned to the specified torque.

-The MULTI/JOINT® 3000 Plus fittings have an angularity of ± 8° per socket end, which provides a total maximum angularity of 16°.

-The MULTI/JOINT® 3000 Plus fittings are supplied with separate flange drillings for PN16.

-The technical life expectancy of all the MULTI/JOINT® 3000 Plus products is 50 years and is supported with 25 years of proven performance.

-The MULTI/JOINT® 3000 Plus has an internationally proven track record.

-To work clean, safe and durable all the MULTI/JOINT® 3000 Plus fittings are sealed with hygiene caps to prevent them from being contaminated or damaged.

Long life expectancy

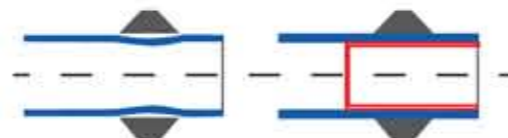
The ductile cast iron MULTI/JOINT® 3000 Plus products are supplied with a corrosion proof Resicoat® epoxy powder coating. This combination extends the life expectancy significantly. The fittings are maintenance-free and have a designed life expectancy of 50 years, when installed in accordance with our recommendations. This is a clear advantage, after all, you want to be able to guarantee a constant supply of water to the end user and prevent renewed maintenance and repair.

Insert stiffener for PE & PVC pipe

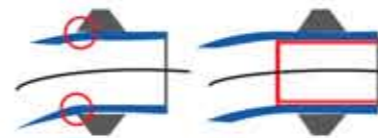
When and why use insert stiffeners

External forces, like axial tension and bending torques, can cause creep or relaxation, when mechanical fittings are used to connect plastic pipes. This can result in failure of the connection. WAGA Multi/Joint insert stiffeners are designed to reinforce pipe ends by providing inside support for plastic pipes. When using mechanical fittings on PE or PVC, insert stiffeners are recommended to prevent leakage, caused by residual stress and continual loading on PE & PVC pipes.

- Continual load of the sealing and restraining mechanism



- Residual stress and bending torques



Selection Guide

DEKS Code	DESCRIPTION
GFIS50	INSERT TO SUIT 50 MM
GFIS65	INSERT TO SUIT 65 MM
GFIS75	INSERT TO SUIT 75 MM
GFIS90	INSERT TO SUIT 90 MM
GFIS110	INSERT TO SUIT 110 MM
GFIS125	INSERT TO SUIT 125 MM
GFIS140	INSERT TO SUIT 140 MM
GFIS160	INSERT TO SUIT 160 MM
GFIS180	INSERT TO SUIT 180 MM
GFIS200	INSERT TO SUIT 200 MM
GFIS225	INSERT TO SUIT 225 MM
GFIS250	INSERT TO SUIT 250 MM
GFIS280	INSERT TO SUIT 280 MM
GFIS315	INSERT TO SUIT 315 MM
GFIS355	INSERT TO SUIT 355 MM

Benefits of using the stiffener

- Using an insert stiffener will ensure a safe and long lasting connection.
- Its thin wall construction will not disturb the flow characteristics of the medium.
- All stiffeners are supplied with wedges, to accommodate varying pipe diameters and thicknesses.



Other civil products available from DEKS



Visit www.deks.com.au for further information



Suitable for all pipe materials



+GF+ WAGA MULTI/JOINT® 3000 System by DEKS

An all purpose fitting designed for maintenance and new installations. A connection for all pipe diameters (DN50 - DN400) with full restraint, makes connecting the old to the new, one easy step.

Features & Benefits

- 25 years of proven performance in the market
- 50 year design life. Guaranteeing you piece of mind
- ± 16° angularity : ± 8° per socket. Minimising the need for additional bends and sockets.
- Restraint connection. No thrust blocks saves time and lowers costs.
- Joins different pipe materials. Minimising stock holdings
- Provides flexible solutions. Catering to most situations
- Saves time and lowers project costs. Keeping the job moving and saving you money
- 1600 kPa working pressure. The high quality restraint fittings are suitable for applications in water up to 1600kPa





MULTI/JOINT® 3000 Plus

“JOINING OLD TO NEW”

Wide range restraint fittings up to DN400

In your daily work you may encounter pipe systems of various material in the ground. You will need to connect these with new pipe materials and preferably have a restraint joint. Well known jointing methods, such as collars, flanging, welding and the use of thrust blocks can be very time consuming. Would you prefer to work fast and reduce costs? The reliable MULTI/JOINT® 3000 Plus system is your answer! Our wide range of fittings allow you to quickly make a “restraint” connection between all pipe materials, without special tools!

Unique sealing system, a reliable connection

Thanks to the unique wide range sealing system all fittings can be “restrained”, as long as the nominal diameters are the same. All you need to know is the outside diameter of the pipe, the medium and the working pressure. When the quality standard is high, you need a reliable connection. The MULTI/JOINT® 3000 Plus system meets the demands of high pressure water applications. The uniqueness of the system lies in the sealing, which consists of a flexible ring (Uni/Fiks ring) which consists of plastic segments with a number of A4 stainless steel teeth designed to grip the pipe and a rubber sealing ring (EPDM).



Save time and stock

The MULTI/JOINT® 3000 Plus fittings can basically be installed under all conditions and are easy to install. There is no need for special tools which saves you a lot of time during installation. Thanks to the “one size fits and grips all” principle you can also save on your stock costs.

Easy installation

Uni/Fiks ring

When metal grippers (Uni/Fiksers) are placed in the Uni/Fleks ring, the sealing system is “restrained”. The Uni/Fiks ring with the Uni/Fiksers makes a restraint connection up to an impressive 1600 kPa, both on rigid and plastic pipes. The Uni/Fiksers ensure optimal restraint both on rigid pipe materials and on plastic pipes.

Progressive sealing and gripping mechanism

The plastic segments in the ring sizes DN150 – DN400 consist of two parts; the wedge and the topple. The wedge is made of POM (polyoxymethylene) and is in contact with the pipe material. The topple, made of polyamide, ensures the integrity of the ring. This combination results in a progressive sealing and gripping mechanism. The plastic segments in the ring sizes DN50 – DN125 consist of one part, made of POM. Furthermore the design of the ring enables large range coverage in outside diameters.

Easy installation and reuse

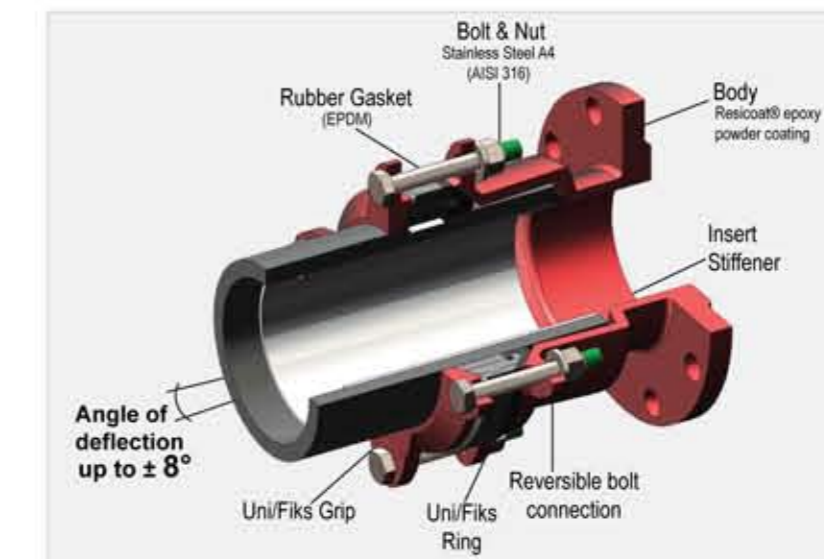
The long body of the MULTI/JOINT® 3000 Plus fittings offers a large insertion depth. This large installation length makes the installation easy, as this length provides flexibility to fit the pipe. In addition, the fittings are supplied with a clear installation manual. Since the fittings can easily be uninstalled, the system is also suitable for temporary installations and the fittings are re-usable once removed.



One complete system

Model	Description	Restraint/Non Restraint	Type
	Coupling	Restraint	GF3007
	Reduced Coupling	Restraint	GF3107
	Flange Adaptor	Restraint	GF3057
	Reduced Flange adaptor	Restraint	GF3157
	End Cap Blind	Restraint	GF3207 blind
	End Cap ¾ - 2" threaded	Restraint	3207 ¾ - 2" threaded
	PE Adaptor	Restraint	GF3067
	Spigot End	Restraint	GF3087
	Reduced spigot end	Restraint	GF3187
	Duckfoot	Restraint	GF3457
	Reduced duckfoot	Restraint	GF3557
	Bend	Restraint	GF3407

* Refer to data sheet at www.deks.com.au for specific product codes and dimensions



DN (mm)	Range (mm)
DN50	46 - 71
DN65	63 - 90
DN80	84 - 105
DN100	104 - 132
DN125	132 - 155
DN150	154 - 192
DN200	192 - 232
DN225	230 - 268
DN250	267 - 310
DN300	315 - 356
DN350	352 - 393
DN400	392 - 433

