

APPLICATIONS

WAGA Multi/Joint Couplings are suitable for use in potable water; non-potable water and wastewater pipelines.

The coupling has full restraint capability and can join all rigid and flexible pipe materials.

Suitable for below ground and above ground applications.

TECHNICAL DATA

Size Range DN 50 to DN 400

Working Pressure:

- DN 50 to DN 300 PN16 (Water)

- DN 350 to DN 400 PN10 (Water)

Working Temperature -5 to 50 deg C (Water)

Mechanical Joint Full Restraint with Uni/Fiks Rings

Deflection 8 deg Max per end connection
(based on middle of range)

Refer to [WAGA MULTI/JOINT 3000 Product Guide](#) for further technical data. Contact us or download from www.civilpipes.com.au.



FEATURES

The wide range sealing system makes this product ideal for joining PE, PVC-O, PVC-M, PVC-U, GRP, DI, CI, AC, and Steel pipelines.

Unique sealing system that comprises an EPDM seal with flexible ring (Uni/Fiks) that consists of plastic segments with stainless steel grippers to secure the pipe joint. With the Uni/Fiks ring, all joints can be made restraint as long as the nominal diameters are the same.

Corrosion resistant materials suitable for drinking water and wastewater applications.

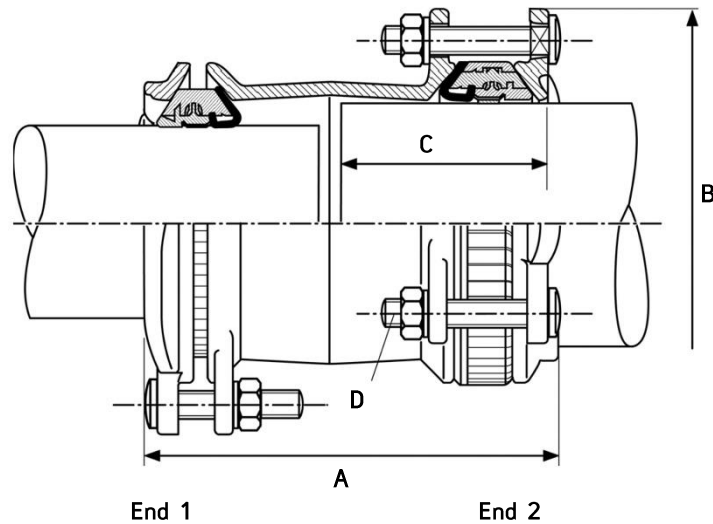
Can be installed without disassembling which makes installation faster and easier.



COMPONENTS

ITEM	PART	MATERIAL	STANDARD
1	Body	Ductile Iron GGG45 epoxy coated	EN-GJS-450-10, AS/NZS4158
2	Varioseal	EPDM	AS 681.1
3	Clamp Ring	Ductile Iron GGG45 epoxy coated	EN-GJS-450-10, AS/NZS4158
4	Uni/Fiks Ring - Plastic Ring	POM/Polyamide (Uni/Fleks)	
	- Metal Grippers	316 Stainless Steel (Uni/Fiksers)	AISI 316
5	Bolts	316 Stainless Steel, PTFE Coated	AISI 316
6	Nuts & Washers	316 Stainless Steel	AISI 316

3007 RESTRAINT COUPLING



Prod Code	Nom Dia	Size Range		A	B	C	D	Angular Deflection	PN Water	Weight
	DN	End 1	End 2							
DGW050	50	46 - 71	46 - 71	209 - 233	164	95	3 - M12	8 deg	1600	4.8
DGW065	65	63 - 90	63 - 90	220 - 250	186	100	3 - M12	8 deg	1600	5.6
DGW080	80	84 - 105	84 - 105	234 - 262	204	115	3 - M12	8 deg	1600	7.2
DGW100	100	104 - 132	104 - 132	230 - 268	236	110	3 - M16	8 deg	1600	9.4
DGW125	125	132 - 155	132 - 155	246 - 282	264	120	4 - M16	8 deg	1600	12.0
DGW150	150	154 - 192	154 - 192	242 - 298	304	120	4 - M16	8 deg	1600	14.8
DGW200	200	192 - 232	192 - 232	297 - 351	354	140	6 - M16	8 deg	1600	28.6
DGW225	225	230 - 268	230 - 268	342 - 404	386	145	6 - M20	8 deg	1600	33.4
DGW250	250	267 - 310	267 - 310	354 - 424	432	170	6 - M20	8 deg	1600	40.0
DGW300	300	315 - 356	315 - 356	356 - 426	490	170	8 - M20	8 deg	1600	51.5
DGW350	350	352 - 393	352 - 393	504 - 588	534	245	8 - M20	8 deg	1000	61.2
DGW400	400	392 - 433	392 - 433	562 - 648	574	275	10 - M20	8 deg	1000	73.2

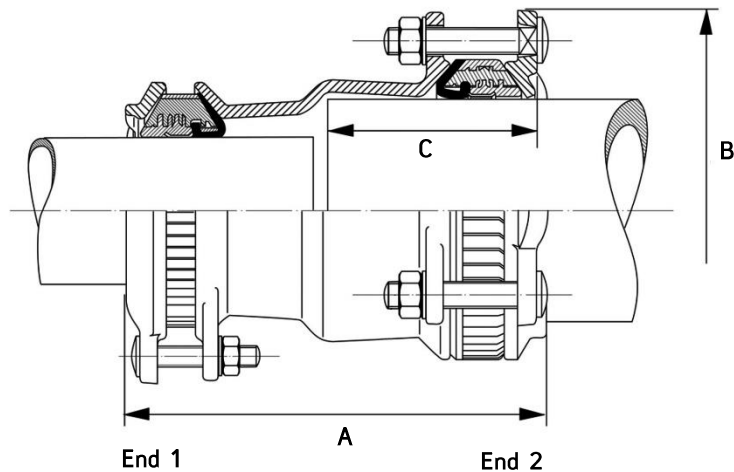
NOTES

Angular Deflection: A maximum of 8 degrees angular deflection can be achieved at each end connection, which means 16 degrees per coupling. (Based on pipe diameter in the middle of the available range)

Installation: Refer to the [GF WAGA MULTI/JOINT Installation Guide](#) for details of required pipe gap, minimum insertion dimensions, torque settings and general assembly instructions.

Refer to the [GF SS Insert Stiffener Guide](#) for details of when and why inserts are required.

3107 RESTRAINT REDUCED COUPLING



Prod Code	Nom Dia	Size Range		A	B	C	Angular Deflection	PN Water	Weight
		End 1	End 2						
	DN - DN	End 1	End 2	mm	mm	mm	(Note 1)	kPa	kg
DGW050065	50 - 65	46 - 71	63 - 90	242-268	186	95	8 deg	1600	5.5
DGW065080	65 - 80	63 - 90	84 - 105	242-268	204	115	8 deg	1600	6.7
DGW080100	80 - 100	84 - 105	104 - 132	232-265	236	110	8 deg	1600	8.3
DGW100125	100 - 125	104 - 132	132 - 155	238-275	264	120	8 deg	1600	11.1
DGW100150	100 - 150	104 - 132	154 - 192	276-323	304	120	8 deg	1600	13.8
DGW125150	125 - 150	132 - 155	154 - 192	276-322	304	120	8 deg	1600	14.4
DGW150200	150 - 200	154 - 192	192 - 232	265-321	354	120	8 deg	1600	22.0
DGW200225	200 - 225	192 - 232	230 - 268	340-398	386	145	8 deg	1600	31.9
DGW225250	225 - 250	230 - 268	267 - 310	358-424	432	170	8 deg	1600	36.2
DGW250300	250 - 300	267 - 310	315 - 356	356-426	490	170	8 deg	1600	49.0
DGW300350	300 - 350	315 - 356	352 - 393	446-530	534	225	8 deg	1000	54.0
DGW350400	350 - 400	352 - 393	392 - 433	470-554	574	240	8 deg	1000	65.2

NOTES

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Refer to the [GF SS Insert Stiffener Guide](#) for details of when and why inserts are required.

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