

UNIVERSAL

Uni-Fit

Coupling & Flange Adaptor

For Ductile Iron, Steel & PVC Pipes



Uni-Fit Coupling & Flange Adaptor

FA10 & FC10

RUA Uni-Fit pipe fittings are designed to accommodate plain ended pipes with different outside diameters. Thus reduces the need for stockholding, as one single coupling is able to connect different pipes materials such as ductile iron, steel, PVC, AC and others.

Perfect Sealing Gasket

- The sealing gasket with good circumferential ribs which provides a easy slide fits for maximum sealing even on pitted, scored or corroded pipes.

Excellent Coating Protection

- The normal painting for universal fittings is RAL5017 fusion bond epoxy coated powder which with good anticorrosion characteristic, and the bolts and nuts are Dacromet, which with good anticorrosion, thermostability characteristic than Zinc Plated.

Easy to Install

- The Uni-Fit range is supplied with carriage bolts, only need a torque wrench, from one end to tightened the nuts to finish the installation, simple and save time.

Simple to Fit

- Available as standard and long sleeve versions, the Uni-Fit range allowing for greater cutting tolerances and a greater pipe insertion depth which simplifies the installation.

Economic Design

- Such concave design can reduce the weight of the flange adaptor, so do the economic cost for same products.



Material And Relevant Standards: Coupling

Centre Sleeve & End Rings

- Ductile Iron to BS EN-GJS-500-7

Gaskets

Standard

- EPDM TO BS EN681-1
- NBR TO BS EN682

Tee Bolts/Bolts

- Standard: Steel to BS EN ISO 898-1 Class4.8
- Other material available for request.

Nuts/Washers

- Nuts: Steel to BS EN ISO 898-2 .
- Other material available for request.

Washers

- Decromet Coated Steel

Coatings

- Blue FBE coated to RAL5017
- Option: Rilsan Nylon 11.

Flange Adaptor

Flanged Adaptor Body & End Rings

- Ductile Iron to BS EN-GJS-500-7

Gaskets

Standard

- EPDM TO BS EN681-1
- NBR TO BS EN682

Tee Bolts/Bolts

- Standard: Steel to BS EN ISO 898-1 Class4.8
- Other material available for request.

Nuts/Washers

- Nuts: Steel to BS EN ISO 898-2 .
- Other material available for request.

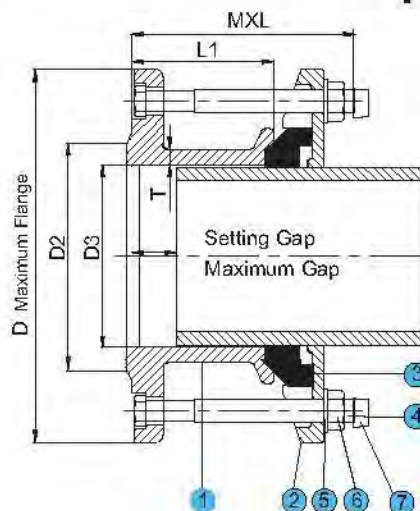
Washers

- Decromet Coated Steel

Coatings

- Blue FBE coated to RAL5017
- Option: Rilsan Nylon 11.

Fig.FA10



Material Specification:

No.	Parts Name	Material	Specification
1	Body	Ductile Iron	GGG50
2	End Ring	Ductile Iron	GGG50
3	Rubber Seal	Rubber	EPDM
4	Bolt	Dacromet Coated Steel	ISO898-1:1999
5	Washer	Dacromet Coated Steel	
6	Nut	Dacromet Coated Steel	ISO898-2:1992
7	Cap	Plastic	

Other Fasteners (like zinc plated or Teflon coated or stainless steel) are all available on request.

Features

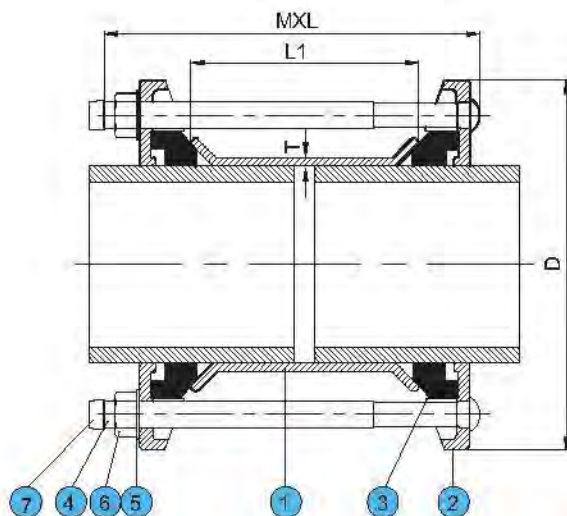
- Ductile Iron GGG50 material with FBE coated.
- PN10,PN16 working pressure.
- Equipped with Dacromet Steel bolts, nuts.
- EPDM or NBR rubber seals .
- High Tolerance Mechanical Pipe Fittings
- Angular deflection $\pm 3^\circ$.

Dimensions(mm)

Size	Pipe OD(mm)	D	D2	D3	L1	MXL	Bolt No.	Weight(kg)	Flange Designation			
									PN10/PN16	ANSI 125/150	Table D	Table E
DN40	48-60	150	84	64	82	M12X125	2	2.7	•	•	•	•
DN50	59-72	165	99	77	82	M12X125	2	3.5	•	•	•	•
DN65	72-85	185	108	90	82	M12X125	2	3.9	•	•	•	•
DN80	88-103	200	132	108	82	M12X125	4	4.8	•	•	•	•
DN100	109-128	220	156	133	82	M12X125	4	6.1	•	•	•	•
DN125	132-153	250	184	158	82	M12X140	4	7.0	•	•	•	•
DN150	159-182	285	211	187	82	M12X140	4	7.8	•	•	•	•
DN175	192-210	340	266	215	82	M12X140	4	11.6	•	•	•	•
DN200	218-235	340	266	241	82	M12X140	4	12.0	•	•	•	•
DN225	242-267	405	319	272	82	M12X140	4	13.6	•	•	•	•
DN250	272-289	405	319	295	90	M12X140	6	14.5	•	•	•	•
DN300	315-332	460	370	338	90	M12X150	6	18.5	•	•	•	•
DN300	322-339	460	370	345	90	M12X150	6	18.9	•	•	•	•
DN300	340-360	460	350	312	115	M14X180	8	41.5	•	•	•	•
DN350	351-378	520	425	350	115	M14X180	8	43.8	•	•	•	•
DN350	374-391	520	425	393	115	M14X180	8	43.8	•	•	•	•
DN400	425-442	580	477	444	115	M14X180	8	52.8	•	•	•	•
DN500	526-544	715	585	548	115	M14X180	10	68.2	•	•	•	•
DN600	630-647	840	682	650	115	M14X180	10	84.7	•	•	•	•

Universal Coupling

Fig.FC10



Features

- Mild Steel S235JR with FBE coated.
- PN10,PN16 working pressure.
- Equipped with dacromet steel bolts, nuts.
- EPDM or NBR rubber seals.
- High Tolerance Mechanical Pipe Fittings.
- Angular deflection $\pm 6^\circ$.

Material Specification:

No.	Parts Name	Material	Specification
1	Center Sleeve	Carbon Steel	S235JR
2	End Ring	Ductile Iron	GGG50
3	Rubber Seal	Rubber	EPDM
4	Bolt	Dacromet Coated Steel	ISO898-1:1999
5	Washer	Dacromet Coated Steel	
6	Nut	Dacromet Coated Steel	ISO898-2:1992
7	Cap	Plastic	

Other Fasteners like zinc plated or Teflon coated or stainless steel are all available on request.

Dimensions(mm)

Size	Pipe OD(mm)	D	L1		Bolt No.-MXL		Weight (kg)	
			*S	*L	*S	*L	*S	*L
DN40	48-60	155	95	190	2-M12X170	2-M12X260	2.5	2.8
DN50	59-72	165	95	190	2-M12X170	2-M12X260	2.5	2.8
DN65	72-85	180	95	190	2-M12X170	2-M12X260	2.7	3.0
DN80	88-103	185	95	190	4-M12X180	4-M12X280	4.2	4.6
DN100	109-128	225	95	190	4-M12X180	4-M12X280	4.8	5.7
DN125	132-153	250	95	190	4-M12X180	4-M12X280	6.4	7.0
DN150	159-182	275	110	190	4-M12X210	4-M12X280	7.2	9.1
DN175	192-210	305	130	190	4-M12X220	4-M12X280	12.0	14.5
DN200	218-235	315	130	190	4-M12X220	4-M12X280	13.5	16.5
DN225	242-267	350	130	250	4-M12X220	4-M12X350	15.0	17.3
DN250	272-289	395	130	250	6-M12X220	6-M12X350	15.0	18.6
DN300	315-332	450	130	250	6-M12X220	6-M12X350	19.0	23.2
DN300	322-339	460	130	250	6-M12X220	6-M12X350	19.0	25.8
DN350	340-360	490	130	250	8-M14X250	8-M14X350	27.0	33.8
DN350	351-378	510	130	250	8-M14X250	8-M14X350	28.0	34.8
DN350	374-391	520	130	250	8-M14X250	8-M14X350	30.0	36.8

*S: Standard Sleeve L: Long Sleeve