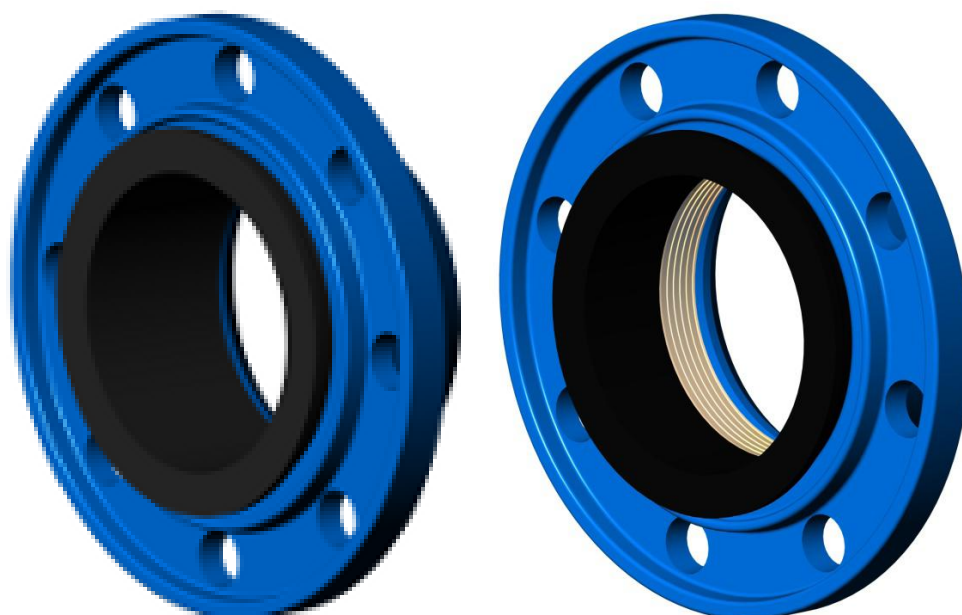




Fucoli Somepal
FUNDIÇÃO DE FERRO, S.A.

DESDE
SINCE 1946

OPERATION MANUAL



FLANGE ADAPTOR



ISO 9001
ISO 14001
OHSAS 18001



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1. DESCRIPTION

Flange Adaptor series "FUCOLI-SOMEPAL" are produced in DUCTILE CAST IRON EN GJS 500 and sealings in elastomer EPDM or NBR according to the client's request, with CE marking according to EN 681 standard.

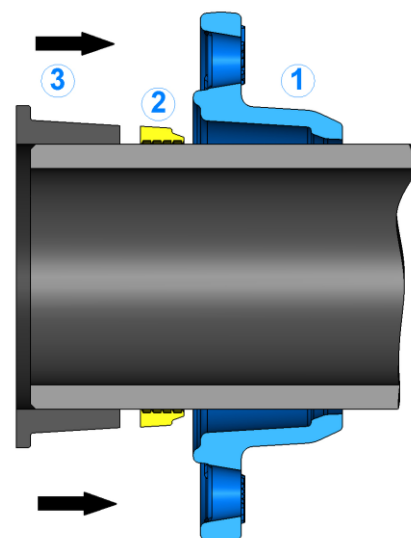
Are associated with this manual, flange adaptor with the technical datasheets 09.100 and 11.2600 (for PVC), 09.200, 09.201 and 11.2700 (with tensile ring), and 09.300 and 11.2500 (for DI pipe) of present Technical Catalogue.

2. HANDLING

2.1 Flange Adaptor with tensile ring

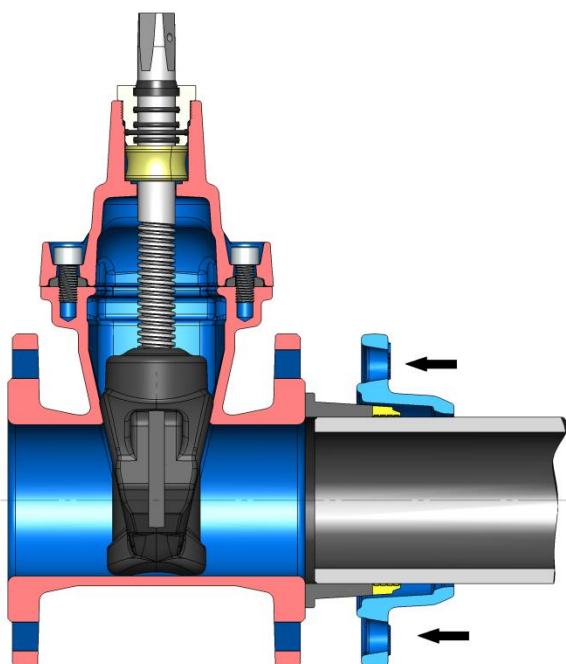
Flange application order in the pipe:

- 1 – Flange Adaptor
- 2 – Tensile Ring
- 3 – Sealing



Assembly order:

- 1 – The assembly of the sealing must exceed the end of the pipe in +/- 10mm
- 2 – Tensile Ring
- 3 – Flange Adaptor



Bolts and Tightening Torque (Flange Adaptor with tensile ring)

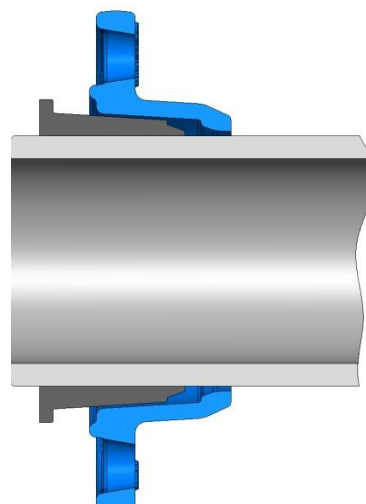
DN	PIPE DIAMETER – OD	BOLT		
		PN 10	PN 16	PN 25
50	63	M 16		M16
60/65	63			
60/65	75			
80	90			
100	90			M 20
100	110			
125	125			M 24
125	140			
150	160	M 20		
200	200			
200	225			
250	250	M 20	M 24	M 27
250	280			
300	315			
400	400	M 24	M 27	M 33
500	500		M 30	

BOLT	TIGHTENING TORQUE (Nm)
M16	50
M20	80
M24	180
M27	200
M30	250

2.2 Flange Adaptor for PVC

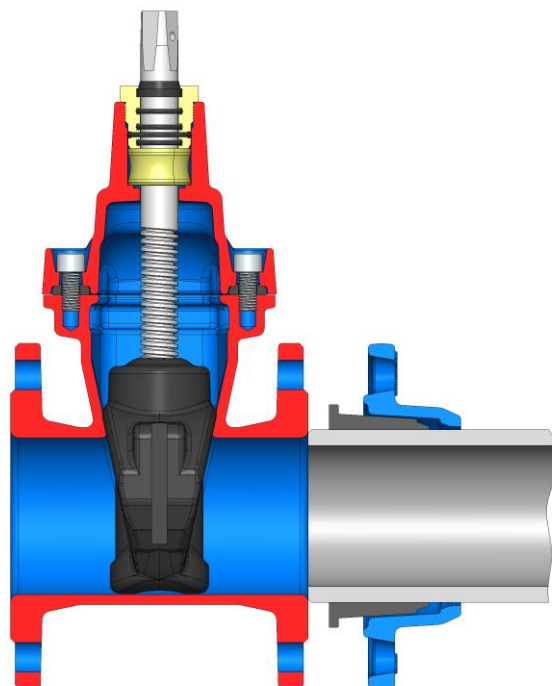
Flange application order in the pipe:

- 1 – Flange Adaptor
- 2 – Sealing
- 3 – Pipe



Assembly order:

- 1 – Sealing (the sealing should not exceed the end of the pipe)
- 2 – Flange Adaptor



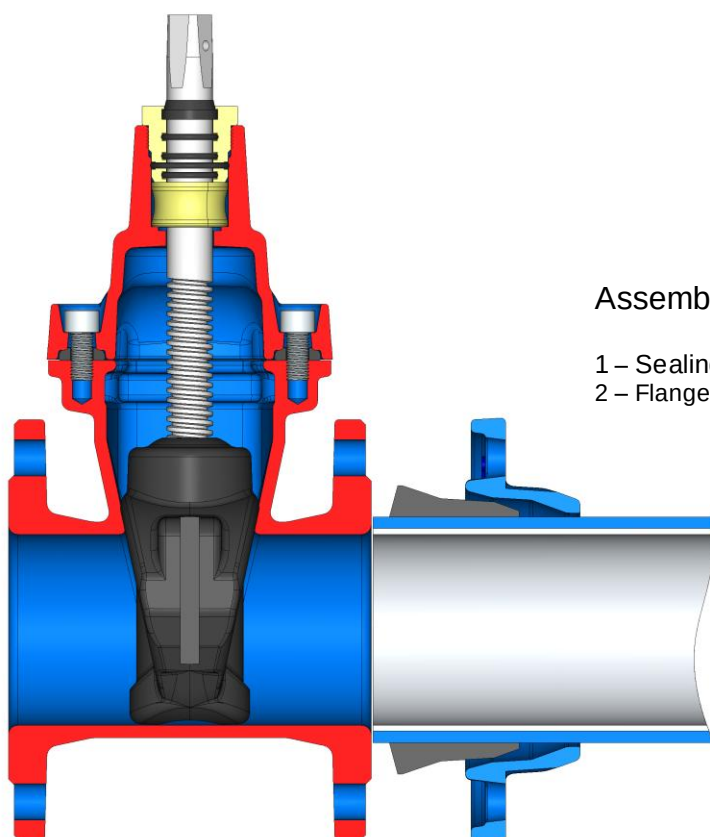
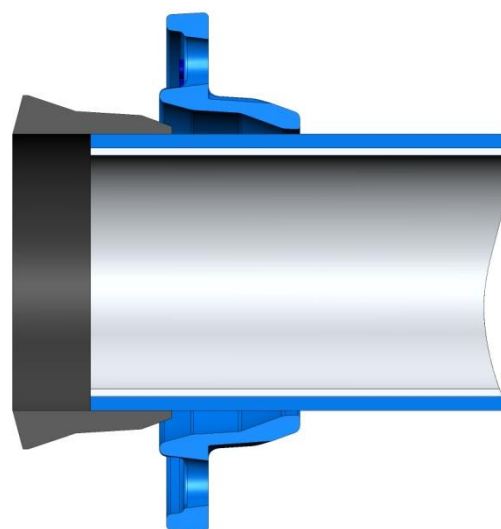
Bolts and Tightening Torque (Flange Adaptor for PVC)

DN	PVC D ext.	BOLT		TORQUE	
		PN 10	PN16	PN 10	PN16
50	63	M16		50Nm	
50/60/65	63				
60/65	63				
60/65	75				
80	90				
100	90				
100	110				
125	125				
125	140	M20		80Nm	
150	160				
200	200				
200	225				
250	250	M20	M24	80Nm	180Nm
250	280				
300	315	M24	-	180Nm	-
400	400				

2.3 Flange Adaptor for DI pipe

Flange application order in the pipe:

- 1 – Flange Adaptor
- 2 – Sealing



Assembly order:

- 1 – Sealing (the sealing should not exceed the end of the pipe)
- 2 – Flange Adaptor

Bolts and Tightening Torque (Flange Adaptor for DI pipe)

DN	Pipe D ext.	BOLT		TORQUE	
		PN 10	PN16	PN 10	PN16
50	66	M16		75Nm	
60/65	77				
65	82				
80	98				
100	118				
125	144				
150	170	M20		140Nm	
200	222				
250	274	M20	M24	140Nm	200Nm
300	326				
350	378				
400	429	M24	-	200Nm	-

3. RISK IDENTIFICATION

Throughout its development were not been identified any potential risks for utilization.

In sales and post-sales assistance, are not associated or registered any risks in the assembly and operation.

4. MAINTENANCE

Flange Adaptor series "FUCOLI-SOMEPAL", do not need maintenance actions.