



**Water Technology Solution SA**

Route du Verney 18

CH - 1070 Puidoux

Tél. +41 (0)32 435 15 81

Fax. +41 (0)32 435 15 82

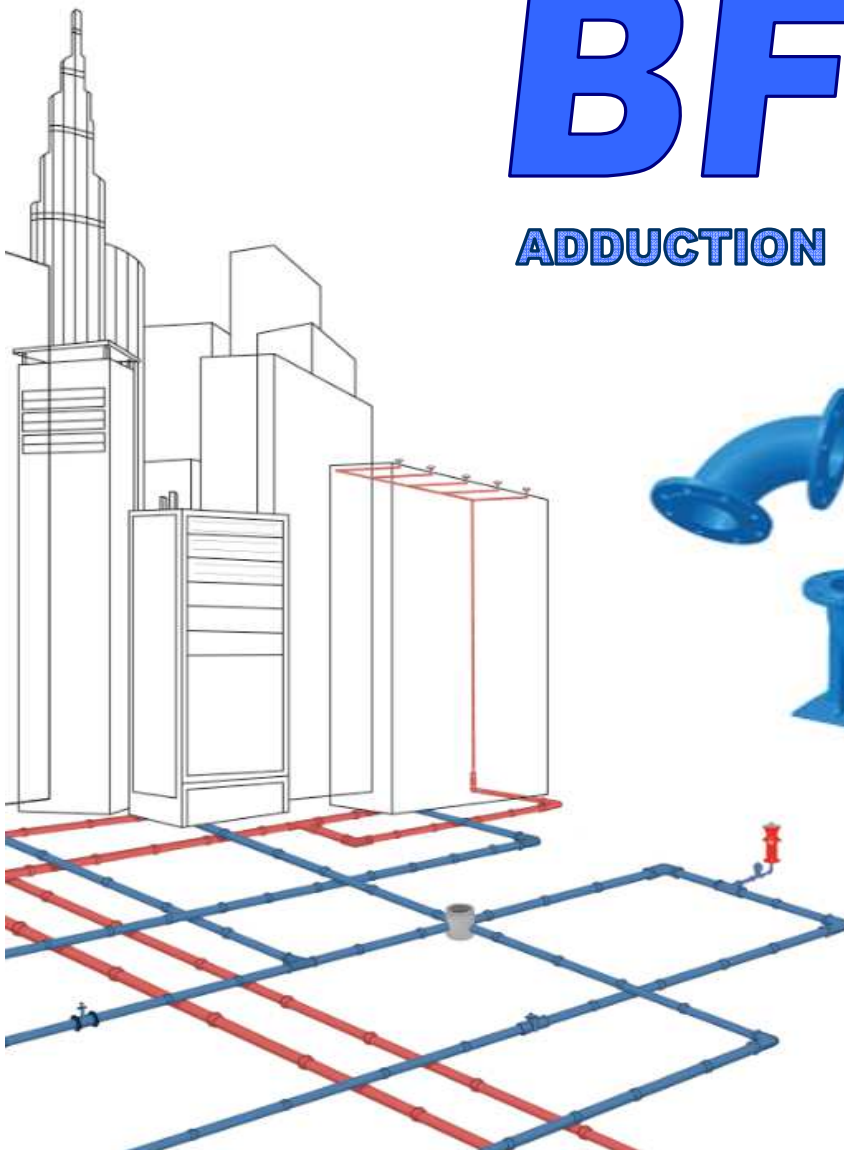
e-mail: [w-t-s@w-t-s.ch](mailto:w-t-s@w-t-s.ch)

[www.w-t-s.ch](http://www.w-t-s.ch)

# PROGRAMME DE RACCORDS A BRIDES FIXES

# BF















## ADDUCTION



wtS 2015-11

## PROGRAMME DE RACCORDS A BRIDES POUR L'ADDUCTION

# BF

 Q	 FFK45	 FFK30	 FFK22
 FFK11	 FFR	 T	 F
 N	 TT	 FFG	 FFM
	 XG	 X	

- > Raccords avec bride coulée
- > Revêtement intérieur et extérieur en Epoxy bleu 250 microns
- > Complément de raccords sur demande
- > Bride PN 10, 16, 25 et 40 pour connexion selon normes

Les raccords TY, MX, BF sont entièrement compatibles avec tous les tuyaux en fonte ductile répondant aux normes ISO 2531, EN 545 et EN 598 indépendamment du producteur

## INFORMATION TECHNIQUE

### NORME ET HOMOLOGATION

La fourniture de nos raccords est conforme aux normes ISO 2531 / EN 545:2006 ou selon des normes internes.

Les substances de revêtement et les matériaux utilisés pour les accessoires en contact avec l'eau possèdent les certifications de potabilité effectuées auprès d'institutions internationales les plus importantes d'Europe.

### ACCESSOIRES

Les raccords avec des brides sont fournis sans les accessoires de connexion. Au besoin, nous sommes en mesure d'offrir ce matériel de connexion sur simple demande.

### MATIÈRE

Fonte ductile, un alliage-carbone avec un pourcentage de carbone supérieur à 2%.

### MARQUAGE DES RACCORDS

Marquage par la coulée dans la fonte :

- marquage du fabricant
- désignation de la fonte ductile selon usage du pays de production
- deux chiffres correspondant à l'année de fabrication
- indication du type de raccord
- référence à la norme
- type de raccord

Près de la tulipe à emboîtement :

- le Diamètre Nominal
- la Pression Nominale

Sur la bride de raccordement :

- le Diamètre Nominal
- la Pression Nominale

### REVÊTEMENT DES RACCORDS ET DES ACCESSOIRES

Sauf spécifications particulières, les raccords et les accessoires sont revêtus d'Epoxy bleu intérieur et extérieur. Avant l'application du revêtement, la surface à peindre sera nettoyée de toute huile ou graisse, sans trace de rouille. Ce revêtement est appliqué en usine et couvrira la pièce de raccord de façon uniforme avec un aspect lisse et régulier. L'épaisseur moyenne est de 250 microns selon les normes.

### COMPLÉMENT DE PROGRAMME

Sur demande, nous pouvons fournir après étude, tout complément de programme, de revêtement ou exigences techniques spéciales.

## INFORMATION TECHNIQUE

### LES PRESSIONS ADMISSIBLES

TUYAUX ET RACCORDS À BRIDES SELON EN 545:2010												
DN	PN 10			PN 16			PN 25			PN 40		
	PFA	PMA	PEA	PFA	PMA	PEA	PFA	PMA	PEA	PFA	PMA	PEA
40 à 50	Voir PN 40			Voir PN 40			Voir PN 40			40	48	53
60 à 80	Voir PN 16			16	20	25	Voir PN 40			40	48	53
100 à 150	Voir PN 16			16	20	25	25	30	35	40	48	53
200 à 600	10	12	17	16	20	25	25	30	35	40	48	53
700 à 1200	10	12	17	16	20	25	25	30	35	-	-	-

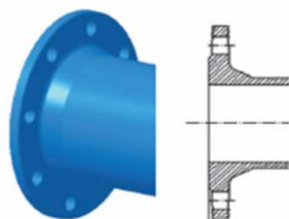
**PMA** : Pression Maximale Admissible en bar, avec le coup de bélier

**PFA** : Pression Fonctionnelle Admissible en bar, sans coup de bélier

**PEA** : Pression d'Épreuve Admissible en bar

### RACCORDEMENT

Les raccords à brides sont équipés de brides coulées en masse, conformément aux descriptions des normes, à savoir : PN10, PN16, PN25 et PN40. Il est indispensable de préciser le choix de la norme lors de la commande, car aucune modification ne sera possible.



BF = bride coulée

Sur demande, il est possible d'obtenir la grande partie des raccords avec brides mobiles

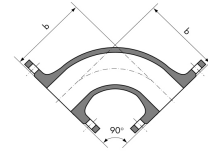
### INFORMATION COMPLÉMENTAIRE

Tous compléments d'informations et d'instructions peuvent être sollicités.

Les raccords TY, MX, BF sont entièrement compatibles avec tous les tuyaux en fonte ductile répondant aux normes ISO 2531, EN 545 et EN 598 indépendamment du producteur

**Q**

**COUDE A BRIDES 90° (1/4)**  
**CURVA A DUE FLANGE 90° (1/4)**  
**DOUBLE FLANGED 90° (1/4) BEND**  
**DOPPELFLANSCHBOGEN 90° (1/4)**



DN	b
80	165
100	180
125	200
150	220
200	260
250	350
300	400
350	450
400	500
500	600
600	700
700	800
800	900

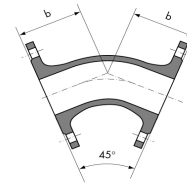
PN10	
kg	BF (bride fixe)
9.5	Q08--FA
11.9	Q10--FA
15.6	Q12--FA
20.5	Q15--FA
31.0	Q20--FA
50.0	Q25--FA
70.0	Q30--FA
90.5	Q35--FA
116.5	Q40--FA
184.0	Q50--FA
276.0	Q60--FA
394.0	Q70--FA
541.0	Q80--FA

DN	b
80	165
100	180
125	200
150	220
200	260
250	350
300	400
350	450
400	500
500	600
600	700
700	800
800	900

PN16	
kg	BF (bride fixe)
9.5	Q08--FB
11.9	Q10--FB
15.6	Q12--FB
20.5	Q15--FB
30.5	Q20--FB
49.0	Q25--FB
69.5	Q30--FB
96.0	Q35--FB
126.0	Q40--FB
212.0	Q50--FB
326.0	Q60--FB
420.0	Q70--FB
578.0	Q80--FB

# FFK45

**COUDE A BRIDES 45° (1/8)**  
**CURVA A DUE FLANGE 45° (1/8)**  
**DOUBLE FLANGED 45° (1/8) BEND**  
**DOPPELFLANSCHBOGEN 45° (1/8)**



DN	b
80	130
100	140
125	150
150	160
200	180
250	350
300	400
350	298
400	324
500	375
600	426
700	478
800	529

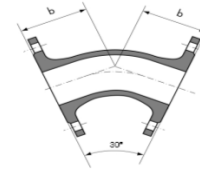
PN10	
kg	BF (bride fixe)
9.1	FFK4508--FA
11.4	FFK4510--FA
14.6	FFK4512--FA
18.7	FFK4515--FA
27.5	FFK4520--FA
55.0	FFK4525--FA
76.5	FFK4530--FA
77.0	FFK4535--FA
96.5	FFK4540--FA
145.0	FFK4550--FA
212.0	FFK4560--FA
293.0	FFK4570--FA
403.0	FFK4580--FA

DN	b
80	130
100	140
125	150
150	160
200	180
250	350
300	400
350	298
400	324
500	375
600	426
700	478
800	529

PN16	
kg	BF (bride fixe)
9.1	FFK4508--FB
11.4	FFK4510--FB
14.6	FFK4512--FB
18.7	FFK4515--FB
27.0	FFK4520--FB
54.0	FFK4525--FB
76.5	FFK4530--FB
82.5	FFK4535--FB
106.0	FFK4540--FB
175.0	FFK4550--FB
266.0	FFK4560--FB
326.0	FFK4570--FB
442.0	FFK4580--FB

# FFK30

**COUDE A BRIDES 30° (1/12)**  
**CURVA A DUE FLANGE 30° (1/12)**  
**DOUBLE FLANGED 30° (1/12) BEND**  
**DOPPELFLANSCHBOGEN 30° (1/12)**



DN	b
80	130
100	140
125	150
150	160
200	180
250	210
300	255
350	165
400	183
500	220
600	309
700	346
800	383

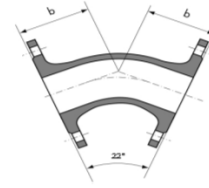
PN10	
kg	BF (bride fixe)
10.0	FFK3008--FA
11.9	FFK3010--FA
16.0	FFK3012--FA
19.6	FFK3015--FA
29.0	FFK3020--FA
45.0	FFK3025--FA
63.0	FFK3030--FA
57.0	FFK3035--FA
73.0	FFK3040--FA
109.0	FFK3050--FA
212.0	FFK3060--FA
360.0	FFK3070--FA
493.0	FFK3080--FA

DN	b
80	130
100	140
125	150
150	160
200	180
250	210
300	255
350	165
400	183
500	220
600	309
700	346
800	383

PN16	
kg	BF (bride fixe)
10.0	FFK3008--FB
11.9	FFK3010--FB
16.0	FFK3012--FB
19.6	FFK3015--FB
28.5	FFK3020--FB
44.0	FFK3025--FB
62.0	FFK3030--FB
62.5	FFK3035--FB
82.5	FFK3040--FB
137.0	FFK3050--FB
257.0	FFK3060--FB
386.0	FFK3070--FB
529.0	FFK3080--FB

# FFK22

**COUDE A BRIDES 22°1/2 (1/16)**  
**CURVA A DUE FLANGE 22°1/2 (1/16)**  
**DOUBLE FLANGED 22°1/2 (1/16) BEND**  
**DOPPELFLANSCHBOGEN 22°1/2 (1/16)**



DN	b
80	130
100	140
125	150
150	160
200	180
250	210
300	255
350	140
400	153
500	185
600	254
700	284
800	314

PN10	
kg	BF (bride fixe)
10.0	FFK2208--FA
11.9	FFK2210--FA
16.0	FFK2212--FA
19.7	FFK2215--FA
29.0	FFK2220--FA
45.0	FFK2225--FA
63.0	FFK2230--FA
53.0	FFK2235--FA
67.0	FFK2240--FA
99.0	FFK2250--FA
182.0	FFK2260--FA
313.0	FFK2270--FA
428.0	FFK2280--FA

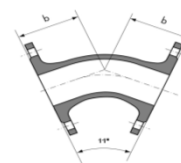
DN	b
80	130
100	140
125	150
150	160
200	180
250	210
300	255
350	140
400	153
500	185
600	254
700	284
800	314

PN16	
kg	BF (bride fixe)
10.0	FFK2208--FB
11.9	FFK2210--FB
16.0	FFK2212--FB
19.7	FFK2215--FB
27.5	FFK2220--FB
44.0	FFK2225--FB
62.0	FFK2230--FB
58.5	FFK2235--FB
75.5	FFK2240--FB
127.0	FFK2250--FB
227.0	FFK2260--FB
339.0	FFK2270--FB
464.0	FFK2280--FB



# FFK11

**COUDE A BRIDES 11°1/4 (1/32)**  
**CURVA A DUE FLANGE 11°1/4 (1/32)**  
**DOUBLE FLANGED 11°1/4 (1/32) BEND**  
**DOPPELFLANSCHBOGEN 11°1/4 (1/32)**



DN	b
80	130
100	140
125	150
150	160
200	180
250	210
300	255
350	105
400	113
500	135
600	174
700	194
800	213

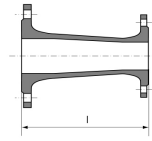
PN10	
kg	BF (bride fixe)
10.0	FFK1108--FA
11.9	FFK1110--FA
16.0	FFK1112--FA
19.7	FFK1115--FA
26.0	FFK1120--FA
45.0	FFK1125--FA
63.0	FFK1130--FA
47.5	FFK1135--FA
58.0	FFK1140--FA
85.0	FFK1150--FA
157.0	FFK1160--FA
243.0	FFK1170--FA
330.0	FFK1180--FA

DN	b
80	130
100	140
125	150
150	160
200	180
250	210
300	255
350	105
400	113
500	135
600	174
700	194
800	213

PN16	
kg	BF (bride fixe)
10.0	FFK1108--FB
11.9	FFK1110--FB
16.0	FFK1112--FB
19.7	FFK1115--FB
25.0	FFK1120--FB
44.0	FFK1125--FB
62.0	FFK1130--FB
53.0	FFK1135--FB
67.5	FFK1140--FB
113.0	FFK1150--FB
202.0	FFK1160--FB
269.0	FFK1170--FB
366.0	FFK1180--FB

**FFR**

**CONE DE REDUCTION A BRIDES**  
**RIDUZIONE A DUE FLANGE**  
**DOUBLE FLANGED TAPERS**  
**DOPPELFLANSCH-ÜBERGANGSSTÜCKE**



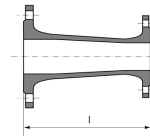
DN <sub>1</sub>	DN <sub>2</sub>	l
80	40	200
	50	200
	65	200
100	50	200
	65	200
	80	200
125	80	200
	100	200
150	80	200
	100	200
	125	200
200	80	300
	100	300
	125	300
	150	300
250	80	300
	100	300
	125	300
	150	300
300	100	300
	150	300
	200	300
	250	300
350	200	300
	250	300
	300	300
400	200	300
	250	300
	300	300
	350	300
500	250	600
	300	600
	350	600
	400	600
600	350	600
	400	600
	500	600
700	500	600
	600	600
800	500	600
	600	600
	700	600
900	800	600
1000	800	600
	900	600

PN10	
kg	BF (bride fixe)
6.9	FFR0804FA
7.4	FFR0805FA
8.2	FFR0807FA
8.1	FFR1005FA
8.8	FFR1007FA
9.5	FFR1008FA
10.7	FFR1208FA
11.4	FFR1210FA
12.2	FFR1508FA
12.8	FFR1510FA
14.1	FFR1512FA
18.1	FFR2008FA
18.6	FFR2010FA
20.0	FFR2012FA
22.0	FFR2015FA
	FFR2508FA
26.0	FFR2510FA
	FFR2515FA
28.0	FFR2515FA
30.5	FFR2520FA
31.0	FFR3010FA
33.0	FFR3015FA
35.5	FFR3020FA
41.0	FFR3025FA
	FFR3520FA
45.0	FFR3525FA
50.0	FFR3530FA
48.0	FFR4020FA
50.5	FFR4025FA
55.0	FFR4030FA
59.5	FFR4035FA
	FFR5025FA
104.0	FFR5030FA
	FFR5035FA
110.0	FFR5040FA
	FFR6035FA
	FFR6040FA
149.0	FFR6050FA
260.0	FFR7050FA
195.0	FFR7060FA
320.0	FFR6050FA
350.0	FFR6060FA
250.0	FFR6070FA
	FFR9080FA
	FFRM080FA
	FFRM090FA

\* = norme de fabrication / norma di fabbrica / internal standard / Werksnorm

**FFR**

**CONE DE REDUCTION A BRIDES**  
**RIDUZIONE A DUE FLANGE**  
**DOUBLE FLANGED TAPERS**  
**DOPPELFLANSCH-ÜBERGANGSSTÜCKE**



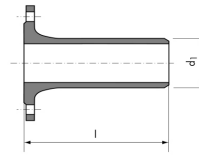
DN <sub>1</sub>	DN <sub>2</sub>	L
80	40	200
	50	200
	65	200
100	50	200
	65	200
	80	200
125	80	200
	100	200
150	80	200
	100	200
	125	200
200	80	300
	100	300
	125	300
	150	300
250	100	300
	150	300
	200	300
300	100	300
	150	300
	200	300
	250	300
350	250	300
	300	300
400	200	300
	250	300
	300	300
	350	300
500	300	600
	400	600
600	500	600
700	500	600
	600	600
800	500	600
	600	600
	700	600

PN16	
kg	BF (bride fixe)
6.7	FFR0804FB
7.2	FFR0805FB
8.2	FFR0807FB
8.1	FFR1005FB
8.8	FFR1007FB
9.3	FFR1008FB
10.5	FFR1208FB
11.4	FFR1210FB
12.0	FFR1508FB
12.8	FFR1510FB
14.1	FFR1512FB
17.7	FFR2008FB
18.4	FFR2010FB
19.9	FFR2012FB
22.0	FFR2015FB
26.0	FFR2510FB
27.5	FFR2515FB
30.0	FFR2520FB
0.5	FFR3010FB
32.5	FFR3015FB
35.0	FFR3020FB
40.0	FFR3025FB
47.5	FFR3525FB
52.5	FFR3530FB
52.5	FFR4020FB
55.0	FFR4025FB
59.5	FFR4030FB
67.0	FFR4035FB
119.0	FFR5030FB
130.0	FFR5040FB
190.0	FFR6050FB
295.0	FFR7050FB
236.0	FFR7060FB
353.0	FFR6050FB
383.0	FFR6060FB
285.0	FFR6070FB

\* = norme de fabrication / norma di fabbrica / internal standard / Werksnorm

**F**

**BRIDE UNIE  
IMBOCCO  
FLANGED SPIGOTS  
EINFLANSCHSTÜCKE**



DN	l
80	350
100	360
125	370
150	380
200	400
250	420
300	440
350	460
400	480
450	500
500	520
600	560
700	600
800	600
900	600
1000	600

PN10	
Kg	BF (bride fixe)
7.7	F08--FA
9.7	F10--FA
12.4	F12--FA
15.6	F15--FA
23.0	F20--FA
32.0	F25--FA
42.5	F30--FA
53.0	F35--FA
65.0	F40--FA
82.0	F45--FA
95.0	F50--FA
135.0	F60--FA
183.0	F70--FA
230.0	F80--FA
277	F90--FA
334	FM0--FA

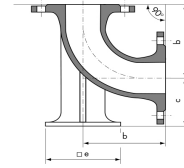
DN	l
80	350
100	360
125	370
150	380
200	400
250	420
300	440
350	460
400	480
450	500
500	520
600	560
700	600
800	600
900	600
1000	600

PN16	
kg	BF (bride fixe)
7.7	F08--FB
9.7	F10--FB
12.4	F12--FB
15.6	F15--FB
22.5	F20--FB
31.5	F25--FB
42.0	F30--FB
55.5	F35--FB
70.0	F40--FB
88.5	F45--FB
109.0	F50--FB
159.0	F60--FB
196.0	F70--FB
248.0	F80--FB
299.0	F90--FB
373.0	FM0--FB

\* = norme de fabrication / norma di fabbrica / internal standard / Werksnorm

**N**

**COUDE A PATIN A BRIDES 90°  
 CURVA A DUE FLANGE 90° CON SUPPORTO  
 DOUBLE FLANGED DUCKFOOT 90° BENDS  
 FLANSCHFUSSBOGEN 90°**



DN	b	c
80	165	110
100	180	125
125	200	140
150	220	160
200	260	190
250	350	225
300	400	255
350	450	290
400	500	320
500	600	385
600	700	450
700*	800	480
800*	900	540

PN10	
kg	BF (bride fixe)
13.0	N08--FA
16.8	D-N10--FA
22.0	N12--FA
29.5	N15--FA
46.0	N20--FA
73.5	N25--FA
104.0	N30--FA
137.0	N35--FA
178.0	N40--FA
286.0	N50--FA
432.0	N60--FA
680.0	N70--FA
930.0	N80--FA

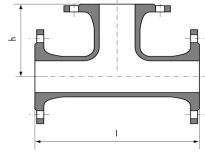
DN	b	c
80	165	110
100	180	125
125	200	140
150	220	160
200	260	190
250	350	225
300	400	255
350	450	290
400	500	320
500	600	385
600	700	450
700*	800	480
800*	900	540

PN16	
kg	BF (bride fixe)
13.0	N08--FB
16.8	N10--FB
22.0	N12--FB
29.5	N15--FB
45.5	N20--FB
72.5	N25--FB
103.0	N30--FB
142.0	N35--FB
187.0	N40--FB
314.0	N50--FB
482.0	N60--FB
705.0	N70--FB
970.0	N80--FB

\* = norme de fabrique / norma di fabbrica / internal standard / Werksnorm

**T**

**TE A TROIS BRIDES  
TI A TRE FLANGE  
ALL FLANGED TEES  
DOPPELFLANSCHSTÜCKE MIT FLANSCHABZWEIG**

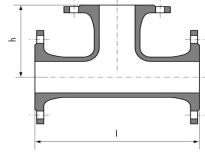


DN <sub>1</sub>	DN <sub>2</sub>	l	h
80	40*	330	155
	50	330	160
	65	330	160
	80	330	165
100	40*	360	170
	50	360	170
	65	360	170
	80	360	175
	100	360	180
125	40*	400	185
	50*	400	185
	80	400	190
	100	400	195
	125	400	200
150	50*	440	200
	80	440	205
	100	440	210
	125	440	215
	150	440	220
200	80	520	235
	100	520	240
	125		
	150	520	250
	200	520	260
250	80*	700	265
	100	700	275
	125		
	150*	700	300
	200	700	325
	250	700	350
300	80*	800	290
	100	800	300
	150*	800	325
	200	800	350
	250*	800	375
	300	800	400

PN10	
kg	BF (bride fixe)
13.5	T0804FA
14.0	T0805FA
15.0	T0807FA
16.0	T0808FA
16.2	T1004FA
16.6	T1005FA
17.6	T1007FA
18.4	T1008FA
19.4	T1010FA
21.0	T1204FA
21.5	T1205FA
23.0	T1208FA
24.0	T1210FA
25.5	T1212FA
27.5	T1505FA
29.0	T1508FA
29.5	T1510FA
31.0	T1512FA
32.0	T1515FA
42.5	T2008FA
43.0	T2010FA
	T2015FA
46.5	T2015FA
50.0	T2020FA
72.0	T2508FA
68.0	T2510FA
	T2515FA
81.0	T2515FA
76.5	T2520FA
83.0	T2525FA
99.0	T3008FA
94.0	T3010FA
101.0	T3015FA
102.0	T3020FA
114.0	T3025FA
117.0	T3030FA

**T**

**TE A TROIS BRIDES  
TI A TRE FLANGE  
ALL FLANGED TEES  
DOPPELFLANSCHSTÜCKE MIT FLANSCHABZWEIG**

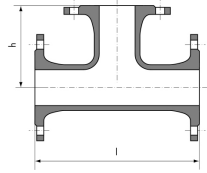


DN <sub>1</sub>	DN <sub>2</sub>	l	h
350	80		
	100	850	325
	150		
	200	850	325
	250		
	300		
	350	850	425
400	80*	900	350
	100	900	350
	150*	900	350
	200	900	350
	250		
	300*	900	450
	400	900	450
500	100	1000	400
	150		
	200	1000	400
	250*	1000	400
	300*	1000	500
	350		
	400	1000	500
	500	1000	500
600	100		
	150*	1100	450
	200	1100	450
	250		
	300		
	350		
	400	1100	550
	500*	1100	550
	600	1100	550
700	100		
	200	650	525
	400	870	555
	500		
	600		
	700	1200	600

PN10	
kg	BF (bride fixe)
	T3508FA
117.0	T3510FA
	T3515FA
122.0	T3520FA
	T3525FA
	T3530FA
144.0	T3535FA
167.0	T4008FA
144.0	T4010FA
162.0	T4015FA
150.0	T4020FA
	T4025FA
180.0	T4030FA
177.0	T4040FA
213.0	T5010FA
	T5015FA
218.0	T5020FA
263.0	T5025FA
266.0	T5030FA
	T5035FA
244.0	T5040FA
256.0	T5050FA
	T6010FA
320.0	T6015FA
309.0	T6020FA
	T6025FA
	T6020FA
	T6030FA
334.0	T6035FA
370.0	T6050FA
361.0	T6060FA
	T7010FA
276.0	T7020FA
353.0	T7040FA
	T7050FA
	T7060FA
489.0	T7070FA

**T**

**TE A TROIS BRIDES  
 TI A TRE FLANGE  
 ALL FLANGED TEES  
 DOPPELFLANSCHSTÜCKE MIT FLANSCHABZWEIG**



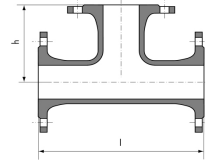
DN <sub>1</sub>	DN <sub>2</sub>	l	h
800	100		
	200	690	585
	300		
	400	910	615
	500		
	600	1350	645
	700		
	800	1350	675
900	200	730	645
	400	950	675
1000	200	770	705
	400	990	735

PN10	
kg	BF (bride fixe)
	T8010FA
360.0	T8020FA
	T8030FA
450.0	T8040FA
	T8050FA
622.0	T8060FA
	T8070FA
652.0	T8080FA
447.0	T9020FA
552.0	T9040FA
558.0	TM020FA
681.0	TM040FA



**T**

**TE A TROIS BRIDES  
TI A TRE FLANGE  
ALL FLANGED TEES  
DOPPELFLANSCHSTÜCKE MIT FLANSCHABZWEIG**

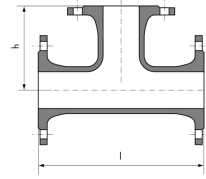


DN <sub>1</sub>	DN <sub>2</sub>	l	h
80	40*	330	155
	50	330	160
	65	330	160
	80	330	165
100	40*	360	170
	50	360	170
	65	360	170
	80	360	175
	100	360	180
125	40*	400	185
	50*	400	185
	80	400	190
	100	400	195
	125	400	200
150	50*	440	200
	80	440	205
	100	440	210
	125	440	215
	150	440	220
200	80	520	235
	100	520	240
	150	520	250
	200	520	260
250	80*	700	265
	100	700	275
	150*	700	300
	200	700	325
	250	700	350
300	80*	800	290
	100	800	300
	150*	800	325
	200	800	350
	250*	800	375
	300	800	400
350	100	850	325
	200	850	325
	350	850	425

PN16	
kg	BF (bride fixe)
13.1	T0804FB
13.6	T0805FB
14.5	T0807FB
15.4	T0808FB
16.2	T1004FB
16.6	T1005FB
17.6	T1007FB
18.4	T1008FB
19.4	T1010FB
21.0	T1204FB
21.5	T1205FB
23.0	T1208FB
24.0	T1210FB
25.5	T1212FB
27.5	T1505FB
28.5	T1508FB
29.5	T1510FB
31.0	T1512FB
32.0	T1515FB
42.0	T2008FB
42.5	T2010FB
46.0	T2015FB
49.5	T2020FB
72.0	T2508FB
67.0	T2510FB
81.0	T2515FB
75.5	T2520FB
82.0	T2525FB
99.0	T3008FB
93.0	T3010FB
101.0	T3015FB
101.0	T3020FB
114.0	T3025FB
115.0	T3030FB
122.0	T3510FB
128.0	T3520FB
152.0	T3535FB

**T**

**TE A TROIS BRIDES  
TI A TRE FLANGE  
ALL FLANGED TEES  
DOPPELFLANSCHSTÜCKE MIT FLANSCHABZWEIG**

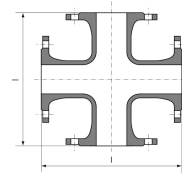


DN <sub>1</sub>	DN <sub>2</sub>	l	h
400	80*	900	350
	100	900	350
	150*	900	350
	200	900	350
	300*	900	450
	400	900	450
500	100	1000	400
	200	1000	400
	250*	1000	400
	300*	1000	500
	400	1000	500
	500	1000	500
600	150*	1100	450
	200	1100	450
	400	1100	550
	500*	1100	550
	600	1100	550
700	200	650	525
	400	870	555
	700	1200	600
800	200	690	585
	400	910	615
	600	1350	645
	800	1350	675
900	200	730	645
	400	950	675
1000	200	770	705
	400	990	735

<b>PN16</b>	
kg	<b>BF</b> (bride fixe)
177.0	<b>T4008FB</b>
154.0	<b>T4010FB</b>
172.0	<b>T4015FB</b>
159.0	<b>T4020FB</b>
190.0	<b>T4030FB</b>
194.0	<b>T4040FB</b>
242.0	<b>T5010FB</b>
247.0	<b>T5020FB</b>
292.0	<b>T5025FB</b>
295.0	<b>T5030FB</b>
277.0	<b>T5040FB</b>
298.0	<b>T5050FB</b>
370.0	<b>T6015FB</b>
359.0	<b>T6020FB</b>
389.0	<b>T6040FB</b>
434.0	<b>T6050FB</b>
435.0	<b>T6060FB</b>
276.0	<b>T7020FB</b>
353.0	<b>T7040FB</b>
489.0	<b>T7070FB</b>
396.0	<b>T8020FB</b>
491.0	<b>T8040FB</b>
683.0	<b>T8060FB</b>
706.0	<b>T8080FB</b>
490.0	<b>T9020FB</b>
601.0	<b>T9040FB</b>
637.0	<b>TM020FB</b>
764.0	<b>TM040FB</b>

**TT**

**CROIX A BRIDES  
CROCE A QUATTRO FLANGE  
ALL FLANGED CROSS TEES  
FLANSCHKREUZ**



DN <sub>1</sub>	DN <sub>2</sub>	l	h
80	80	330	165
100	80	360	175
	100	360	180
125	125	400	200
150	100	440	210
	150	440	220
200	80	520	235
	100	520	240
	150	520	250
	200	520	260
250	250	700	350
300	300		
350	350		
400	400		
500	500		

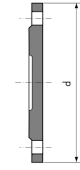
<b>PN10</b>	
kg	<b>BF</b> (bride fixe)
24.0	TT0808-FA
26.0	TT1008FA
28.0	TT1010FA
39.0	TT1212FA
41.0	TT1510FA
47.0	TT1515FA
48.0	TT2008FA
50.0	TT2010FA
60.0	TT2015FA
71.0	TT2020FA
120.0	TT2525FA
	TT3030FA
	TT3535FA
	TT4040FA
	TT5050FA

DN <sub>1</sub>	DN <sub>2</sub>	l	h
80	80	330	165
100	80	360	175
	100	360	180
125	125	400	200
150	100	440	210
	150	440	220
200	80	520	235
	100	520	240
	150	520	250
	200	520	260
250	250	700	350

<b>PN16</b>	
kg	<b>BF</b> (bride fixe)
24.0	TT0808FB
26.0	TT1008FB
28.0	TT1010FB
39.0	TT1212FB
41.0	TT1510FB
47.0	TT1515FB
48.0	TT2008FB
50.0	TT2010FB
60.0	TT2015FB
71.0	TT2020FB
120.0	TT2525FB

**X**

**BRIDE PLEINE  
FLANGIA CIECA  
BLANK FLANGES  
BLINDFLANSCH**



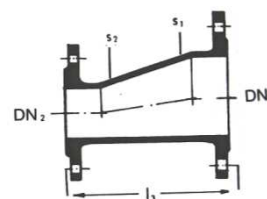
DN	b
80	16
100	16
125	16
150	16
200	17
250	19
300	20.5
350	20.5
400	20.5
450	22
500	22.5
600	25
700	27.5
800	30
900	32.5
1000	35

PN10	
Kg	BF (bride fixe)
4.0	X08--FA
4.6	X10--FA
6.0	X12--FA
7.6	X15--FA
11.4	X20--FA
17.2	X25--FA
25.0	X30--FA
30.5	X35--FA
38.0	X40--FA
54.0	X45--FA
56.0	X50--FA
86.0	X60--FA
127.0	X70--FA
176.0	X80--FA
230.0	X90--FA
302.0	XM0--FA

DN	b
80	16
100	16
125	16
150	16
200	17
250	19
300	20.5
350	22.5
400	24
450	26
500	27.5
600	31
700	34.5
800	38
900	32.5
1000	35

PN16	
kg	BF (bride fixe)
4.0	X08--FB
4.6	X10--FB
6.0	X12--FB
7.6	X15--FB
11.2	X20--FB
16.8	X25--FB
24.5	X30--FB
34.5	X35--FB
46.0	X40--FB
64.0	X45--FB
79.0	X50--FB
123.0	X60--FB
171.0	X70--FB
239.0	X80--FB
230.0	X90--FB
302.0	XM0--FB

**FFRe** **MANCHETTE A BRIDES EXCENTRIQUE**  
**MANICOTTO A FLANGE FUSE ECCENTRICO**  
**DOUBLE FLANGED TAPERS EXCENTRIC**  
**FLANSCH-ÜBERGANGSSTÜCKE EXZENTRISCH**

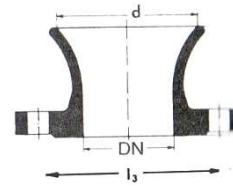


DN <sub>1</sub>	DN <sub>2</sub>	I
50	40	200
65	40	200
	50	200
80	40	200
	50	200
	65	200
100	40	200
	50	200
	65	200
	80	200
125	50	200
	65	200
	80	200
	100	200
150	50	300
	80	300
	100	300
	125	300
200	80	300
	100	300
	125	300
	150	300
250	125	300
	150	300
	200	300
300	150	300
	200	300
	250	300
350	200	500
	250	500
	300	500
400	250	500
	300	500
	350	500
500	350	500
	400	500
600	400	500
	500	500

PN10	
kg	BF (bride fixe)
7.0	FFRe0504FA
8.5	FFRe0704FA
9.0	FFRe0705FA
9.5	FFRe0804FA
10.0	FFRe0805FA
11.0	FFRe0807FA
11.5	FFRe1004FA
12.0	FFRe1005FA
12.5	FFRe1007FA
14.0	FFRe1008FA
14.0	FFRe1205FA
15.0	FFRe1207FA
16.0	FFRe1208FA
17.0	FFRe1210FA
21.0	FFRe1505FA
23.0	FFRe1508FA
24.0	FFRe1510FA
25.0	FFRe1512FA
28.0	FFRe2008FA
30.0	FFRe2010FA
32.0	FFRe2012FA
34.0	FFRe2015FA
48.0	FFRe2512FA
49.0	FFRe2510FA
51.0	FFRe2520FA
55.0	FFRe3015FA
58.0	FFRe3020FA
62.0	FFRe3025FA
91.0	FFRe3520FA
100.0	FFRe3525FA
110.0	FFRe3030FA
112.0	FFRe4025FA
117.0	FFRe4030FA
125.0	FFRe4035FA
150.0	FFRe5035FA
160.0	FFRe5040FA
195.0	FFRe6040FA
224.0	FFRe6050FA

**BEL**

**ENTONNOIR DE TROP-PLEIN**  
**BOCCA DI SCARICO**  
**OVERFLOW MOUTH**  
**ÜBERLAUFMUNDSTÜCKE**

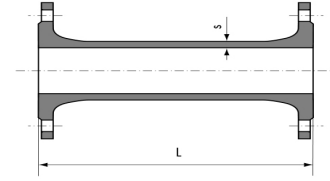


DN <sub>1</sub>	d	h
40	140	100
50	140	110
65	155	115
80	170	120
100	190	130
125	210	145
150	260	150
200	300	180
250	350	200
300	420	250
350	550	250
400	550	250
450	650	280
500	680	300
600	780	300
700 <sup>1)</sup>	895	300
800 <sup>1)</sup>	1015	320

<b>PN10</b>	
kg	<b>BF</b> (bride fixe)
4.0	<b>BEL04--FA</b>
5.0	<b>BEL05--FA</b>
7.0	<b>BEL07--FA</b>
9.0	<b>BEL08--FA</b>
11.0	<b>BEL10--FA</b>
14.0	<b>BEL12--FA</b>
17.0	<b>BEL15--FA</b>
24.0	<b>BEL20--FA</b>
32.0	<b>BEL25--FA</b>
44.0	<b>BEL30--FA</b>
72.0	<b>BEL35--FA</b>
92.0	<b>BEL40--FA</b>
115.0	<b>BEL45--FA</b>
130.0	<b>BEL50--FA</b>
175.0	<b>BEL60--FA</b>
185.0	<b>BEL70--FA</b>
250.0	<b>BEL80--FA</b>

**FFG**

**MANCHETTE A BRIDES  
MANICOTTO A FLANGE FUSE  
DOUBLE FLANGED PIPES  
DOPPELFLANSCHROHRE**



Lunghezza / Longueur / Length / Länge =  
**100 mm**

<b>PN 10</b>		
100 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	7.6	FFG1008--FA
100	8.6	FFG1010--FA
125	10.6	FFG1012--FA
150	13.2	FFG1015--FA
200	18.4	FFG1020--FA
250	25.5	FFG1025--FA
300	34.0	FFG1030--FA

<b>PN 16</b>		
100 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	7.6	FFG1008--FB
100	8.6	FFG1010--FB
125	10.6	FFG1012--FB
150	13.2	FFG1015--FB
200	18.4	FFG1020--FB
250	25.5	FFG1025--FB
300	34.0	FFG1030--FB

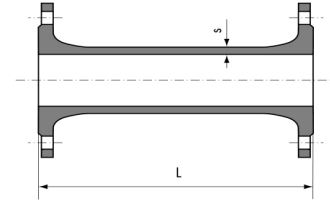
Lunghezza / Longueur / Length / Länge =  
**200 mm**

<b>PN 10</b>		
200 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	9.2	FFG2008--FA
100	10.7	FFG2008--FA
125	13.3	FFG2012--FA
150	16.5	FFG2015--FA
200	23.0	FFG2020--FA
250	32.0	FFG2025--FA
300	41.5	FFG2030--FA
350	48.5	FFG2035--FA
400	57.5	FFG2040--FA
500	78.5	FFG2050--FA
600	108.0	FFG2060--FA

<b>PN 16</b>		
200 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	8.7	FFG2008--FB
100	10.2	FFG2010--FB
125	12.5	FFG2012--FB
150	15.5	FFG2015--FB
200	21.2	FFG2020--FB
250	29.0	FFG2025--FB
300	38.5	FFG2030--FB
350	48.5	FFG2035--FB
400	57.5	FFG2040--FB
500	78.5	FFG2050--FB
600	108.0	FFG2060--FB

**FFG**

**MANCHETTE A BRIDES  
MANICOTTO A FLANGE FUSE  
DOUBLE FLANGED PIPES  
DOPPELFLANSCHROHRE**



Lunghezza / Longueur / Length / Länge =  
**300 mm**

<b>PN 10</b>		
300 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	10.8	FFG3008--FA
100	12.7	FFG3010--FA
125	15.9	FFG3012--FA
150	19.7	FFG3015--FA
200	27.5	FFG3020--FA
250	38.0	FFG3025--FA
300	49.5	FFG3030--FA
350	58.5	FFG3035--FA
400	69.5	FFG3040--FA
500	94.5	FFG3050--FA
600	129.0	FFG3060--FA
700	169.0	FFG3070--FA

<b>PN 16</b>		
300 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	10.8	FFG3008--FB
100	12.7	FFG3010--FB
125	15.9	FFG3012--FB
150	19.7	FFG3015--FB
200	27.5	FFG3020--FB
250	38.0	FFG3025--FB
300	49.5	FFG3030--FB
350	58.5	FFG3035--FB
400	69.5	FFG3040--FB
500	94.5	FFG3050--FB
600	129.0	FFG3060--FB
700	169.0	FFG3070--FB

Lunghezza / Longueur / Length / Länge =  
**400 mm**

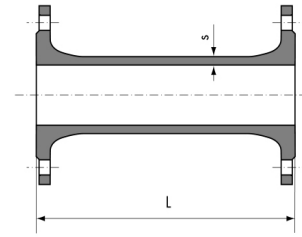
<b>PN 10</b>		
400 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	12.4	FFG4008--FA
100	14.8	FFG4010--FA
125	18.6	FFG4012--FA
150	23.0	FFG4015--FA
200	32.0	FFG4020--FA
250	44.0	FFG4025--FA
300	57.0	FFG4030--FA
350	68.0	FFG4035--FA
400	81.0	FFG4040--FA
500	111.0	FFG4050--FA
600	150.0	FFG4060--FA
700	196.0	FFG4070--FA
800	250.0	FFG4080--FA
900	300.0	FFG4090--FA
1000	366.0	FFG40M0--FA

<b>PN 16</b>		
400 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	12.4	FFG4008--FB
100	14.8	FFG4010--FB
125	18.6	FFG4012--FB
150	23.0	FFG4015--FB
200	32.0	FFG4020--FB
250	44.0	FFG4025--FB
300	57.0	FFG4030--FB
350	68.0	FFG4035--FB
400	81.0	FFG4040--FB
500	111.0	FFG4050--FB
600	150.0	FFG4060--FB
700	196.0	FFG4070--FB
800	250.0	FFG4080--FB
900	300.0	FFG4090--FB
1000	366.0	FFG40M0--FB



**FFG**

**MANCHETTE A BRIDES  
MANICOTTO A FLANGE FUSE  
DOUBLE FLANGED PIPES  
DOPPELFLANSCHROHRE**



Lunghezza / Longueur / Length / Länge =  
**500 mm**

<b>PN 10</b>		
500 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	14.1	FFG5008--FA
100	16.8	FFG5010--FA
125	21.0	FFG5012--FA
150	26.0	FFG5015--FA
200	37.0	FFG5020--FA
250	50.5	FFG5025--FA
300	65.0	FFG5030--FA
350	77.5	FFG5035--FA
400	92.5	FFG5040--FA
500	127.0	FFG5050--FA
600	171.0	FFG5060--FA
700	223.0	FFG5070--FA
800	284.0	FFG5080--FA
900	340.0	FFG5090--FA
1000	414.0	FFG50M0--FA

<b>PN 16</b>		
500 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	14.1	FFG5008--FB
100	16.8	FFG5010--FB
125	21.0	FFG5012--FB
150	26.0	FFG5015--FB
200	37.0	FFG5020--FB
250	50.5	FFG5025--FB
300	65.0	FFG5030--FB
350	77.5	FFG5035--FB
400	92.5	FFG5040--FB
500	127.0	FFG5050--FB
600	171.0	FFG5060--FB
700	223.0	FFG5070--FB
800	284.0	FFG5080--FB
900	340.0	FFG5090--FB
1000	414.0	FFG50M0--FB

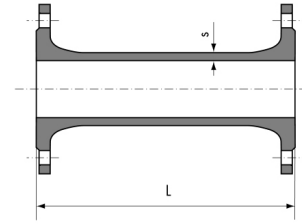
Lunghezza / Longueur / Length / Länge =  
**600 mm**

<b>PN 10</b>		
600 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	15.7	FFG6008--FA
100	18.8	FFG6010--FA
125	24.0	FFG6012--FA
150	29.5	FFG6015--FA
200	41.5	FFG6020--FA
250	56.5	FFG6025--FA
300	73.0	FFG6030--FA
350	87.5	FFG6035--FA
400	104.0	FFG6040--FA
500	143.0	FFG6050--FA
600	192.0	FFG6060--FA
700	250.0	FFG6070--FA
800	317.0	FFG6080--FA
900	380.0	FFG6090--FA
1000	462.0	FFG60M0--FA

<b>PN 16</b>		
600 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	15.7	FFG6008--FB
100	18.8	FFG6010--FB
125	24.0	FFG6012--FB
150	29.5	FFG6015--FB
200	41.5	FFG6020--FB
250	56.5	FFG6025--FB
300	73.0	FFG6030--FB
350	87.5	FFG6035--FB
400	104.0	FFG6040--FB
500	143.0	FFG6050--FB
600	192.0	FFG6060--FB
700	250.0	FFG6070--FB
800	317.0	FFG6080--FB
900	380.0	FFG6090--FB
1000	462.0	FFG60M0--FB

**FFG**

**MANCHETTE A BRIDES  
MANICOTTO A FLANGE FUSE  
DOUBLE FLANGED PIPES  
DOPPELFLANSCHROHRE**



Lunghezza / Longueur / Length / Länge =  
**700 mm**

<b>PN 10</b>		
700 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	17.3	FFG7008--FA
100	21.0	FFG7010--FA
125	26.5	FFG7012--FA
150	32.5	FFG7015--FA
200	46.0	FFG7020--FA
250	62.5	FFG7025--FA
300	80.5	FFG7030--FA
350	97.0	FFG7035--FA
400	116.0	FFG7040--FA
500	159.0	FFG7050--FA
600	214.0	FFG7060--FA
700	276.0	FFG7070--FA
800	350.0	FFG7080--FA
900	420.0	FFG7090--FA
1000	510.0	FFG70M0--FA

<b>PN 16</b>		
700 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	17.3	FFG7008--FB
100	21.0	FFG7010--FB
125	26.5	FFG7012--FB
150	32.5	FFG7015--FB
200	46.0	FFG7020--FB
250	62.5	FFG7025--FB
300	80.5	FFG7030--FB
350	97.0	FFG7035--FB
400	116.0	FFG7040--FB
500	159.0	FFG7050--FB
600	214.0	FFG7060--FB
700	276.0	FFG7070--FB
800	350.0	FFG7080--FB
900	420.0	FFG7090--FB
1000	510.0	FFG70M0--FB

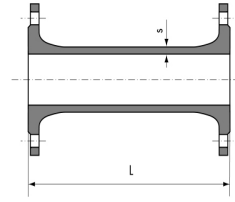
Lunghezza / Longueur / Length / Länge =  
**800 mm**

<b>PN 10</b>		
800 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	18.9	FFG8008--FA
100	23.0	FFG8010--FA
125	29.0	FFG8012--FA
150	36.0	FFG8015--FA
200	50.5	FFG8020--FA
250	68.5	FFG8025--FA
300	88.5	FFG8030--FA
350	107.0	FFG8035--FA
400	127.0	FFG8040--FA
500	175.0	FFG8050--FA
600	235.0	FFG8060--FA
700	303.0	FFG8070--FA
800	383.0	FFG8080--FA
900	461.0	FFG8090--FA
1005	557.0	FFG80M0--FA

<b>PN 16</b>		
800 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	18.9	FFG8008--FB
100	23.0	FFG8010--FB
125	29.0	FFG8012--FB
150	36.0	FFG8015--FB
200	50.5	FFG8020--FB
250	68.5	FFG8025--FB
300	88.5	FFG8030--FB
350	107.0	FFG8035--FB
400	127.0	FFG8040--FB
500	175.0	FFG8050--FB
600	235.0	FFG8060--FB
700	303.0	FFG8070--FB
800	383.0	FFG8080--FB
900	461.0	FFG8090--FB
1000	557.0	FFG80M0--FB

# FFG

**MANCHETTE A BRIDES  
MANICOTTO A FLANGE FUSE  
DOUBLE FLANGED PIPES  
DOPPELFLANSCHROHRE**



Lunghezza / Longueur / Length / Länge =  
**900 mm**

<b>PN 10</b>		
900 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	20.5	FFG9008--FA
100	25.0	FFG9010--FA
125	32.0	FFG9012--FA
150	39.0	FFG9015--FA
200	55.5	FFG9020--FA
250	75.0	FFG9025--FA
300	96.5	FFG9030--FA
350	116.0	FFG9035--FA
400	139.0	FFG9040--FA
500	191.0	FFG9050--FA
600	256.0	FFG9060--FA
700	330.0	FFG9070--FA
800	416.0	FFG9080--FA
900	501.0	FFG9090--FA
1000	605.0	FFG90M0--FA

<b>PN 16</b>		
900 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	20.5	FFG9008--FB
100	25.0	FFG9010--FB
125	32.0	FFG9012--FB
150	39.0	FFG9015--FB
200	55.5	FFG9020--FB
250	75.0	FFG9025--FB
300	96.5	FFG9030--FB
350	116.0	FFG9035--FB
400	139.0	FFG9040--FB
500	191.0	FFG9050--FB
600	256.0	FFG9060--FB
700	330.0	FFG9070--FB
800	416.0	FFG9080--FB
900	501.0	FFG9090--FB
1000	605.0	FFG90M0--FB

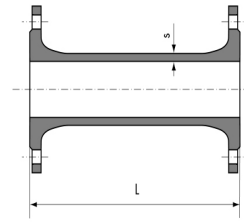
Lunghezza / Longueur / Length / Länge =  
**1000 mm**

<b>PN 10</b>		
1000 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	22.0	FFG1M008--FA
100	27.0	FFG1M010--FA
125	34.5	FFG1M012--FA
150	42.5	FFG1M015--FA
200	60.0	FFG1M020--FA
250	81.0	FFG1M025--FA
300	104.0	FFG1M030--FA
350	126.0	FFG1M035--FA
400	151.0	FFG1M040--FA
500	207.0	FFG1M050--FA
600	277.0	FFG1M060--FA
700	357.0	FFG1M070--FA
800	450.0	FFG1M080--FA
900	541.0	FFG1M090--FA
1000	653.0	FFG1M0M0--FA

<b>PN 16</b>		
1000 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	22.0	FFG1M008--FB
100	27.0	FFG1M010--FB
125	34.5	FFG1M012--FB
150	42.5	FFG1M015--FB
200	60.0	FFG1M020--FB
250	81.0	FFG1M025--FB
300	104.0	FFG1M030--FB
350	126.0	FFG1M035--FB
400	151.0	FFG1M040--FB
500	207.0	FFG1M050--FB
600	277.0	FFG1M060--FB
700	357.0	FFG1M070--FB
800	450.0	FFG1M080--FB
900	541.0	FFG1M090--FB
1000	653.0	FFG1M0M0--FB

**FFG**

**MANCHETTE A BRIDES  
MANICOTTO A FLANGE FUSE  
DOUBLE FLANGED PIPES  
DOPPELFLANSCHROHRE**



Lunghezza / Longueur / Length / Länge =  
**1100 mm**

<b>PN 10</b>		
1100 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	23.5	FFG1M108--FA
100	29.0	FFG1M110--FA
125	37.0	FFG1M112--FA
150	45.5	FFG1M115--FA
200	64.5	FFG1M120--FA
250	87.0	FFG1M125--FA
300	112.0	FFG1M130--FA
350	136.0	FFG1M135--FA
400	162.0	FFG1M140--FA
500	223.0	FFG1M150--FA
600	298.0	FFG1M160--FA
700	384.0	FFG1M170--FA
800	483.0	FFG1M180--FA
900	581.0	FFG1M190--FA
1000	701.0	FFG1M1M0--FA

<b>PN 16</b>		
1100 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	23.5	FFG1M108--FB
100	29.0	FFG1M110--FB
125	37.0	FFG1M112--FB
150	45.5	FFG1M115--FB
200	64.5	FFG1M120--FB
250	87.0	FFG1M125--FB
300	112.0	FFG1M130--FB
350	136.0	FFG1M135--FB
400	162.0	FFG1M140--FB
500	223.0	FFG1M150--FB
600	298.0	FFG1M160--FB
700	384.0	FFG1M170--FB
800	483.0	FFG1M180--FB
900	581.0	FFG1M190--FB
1000	701.0	FFG1M1M0--FB

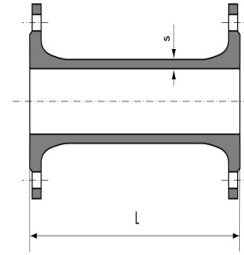
Lunghezza / Longueur / Length / Länge =  
**1200 mm**

<b>PN 10</b>		
1200 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	25.5	FFG1M208--FA
100	31.0	FFG1M210--FA
125	39.5	FFG1M212--FA
150	49.0	FFG1M215--FA
200	69.0	FFG1M220--FA
250	93.0	FFG1M225--FA
300	120.0	FFG1M230--FA
350	145.0	FFG1M235--FA
400	174.0	FFG1M240--FA
500	239.0	FFG1M250--FA
600	319.0	FFG1M260--FA
700	411.0	FFG1M270--FA
800	516.0	FFG1M280--FA
900	621.0	FFG1M290--FA
1000	748.0	FFG1M2M0--FA

<b>PN 16</b>		
1200 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	25.5	FFG1M208--FB
100	31.0	FFG1M210--FB
125	39.5	FFG1M212--FB
150	49.0	FFG1M215--FB
200	69.0	FFG1M220--FB
250	93.0	FFG1M225--FB
300	120.0	FFG1M230--FB
350	145.0	FFG1M235--FB
400	174.0	FFG1M240--FB
500	239.0	FFG1M250--FB
600	319.0	FFG1M260--FB
700	411.0	FFG1M270--FB
800	516.0	FFG1M280--FB
900	621.0	FFG1M290--FB
1000	748.0	FFG1M2M0--FB

**FFG**

**MANCHETTE A BRIDES  
MANICOTTO A FLANGE FUSE  
DOUBLE FLANGED PIPES  
DOPPELFLANSCHROHRE**



Lunghezza / Longueur / Length / Länge =  
**1300 mm**

<b>PN 10</b>		
1300 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	27.0	FFG1M308--FA
100	33.0	FFG1M310--FA
125	42.5	FFG1M312--FA
150	52.0	FFG1M315--FA
200	73.5	FFG1M320--FA
250	99.5	FFG1M325--FA
300	128.0	FFG1M330--FA
350	155.0	FFG1M335--FA
400	185.0	FFG1M340--FA
500	255.0	FFG1M350--FA
600	340.0	FFG1M360--FA
700	438.0	FFG1M370--FA
800	549.0	FFG1M380--FA

<b>PN 16</b>		
1300 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	27.0	FFG1M308--FB
100	33.0	FFG1M310--FB
125	42.5	FFG1M312--FB
150	52.0	FFG1M315--FB
200	73.5	FFG1M320--FB
250	99.5	FFG1M325--FB
300	128.0	FFG1M330--FB
350	155.0	FFG1M335--FB
400	185.0	FFG1M340--FB
500	255.0	FFG1M350--FB
600	340.0	FFG1M360--FB
700	438.0	FFG1M370--FB
800	549.0	FFG1M380--FB

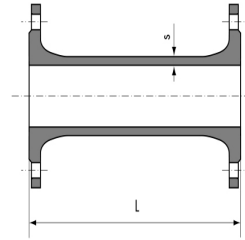
Lunghezza / Longueur / Length / Länge =  
**1400 mm**

<b>PN 10</b>		
1400 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	28.5	FFG1M408--FA
100	35.0	FFG1M410--FA
125	45.0	FFG1M412--FA
150	55.5	FFG1M415--FA
200	78.5	FFG1M420--FA
250	105.0	FFG1M425--FA
300	135.0	FFG1M430--FA
350	165.0	FFG1M435--FA
400	197.0	FFG1M440--FA
500	271.0	FFG1M450--FA
600	361.0	FFG1M460--FA
700	464.0	FFG1M470--FA
800	583.0	FFG1M480--FA

<b>PN 16</b>		
1400 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	28.5	FFG1M408--FB
100	35.0	FFG1M410--FB
125	45.0	FFG1M412--FB
150	55.5	FFG1M415--FB
200	78.5	FFG1M420--FB
250	105.0	FFG1M425--FB
300	135.0	FFG1M430--FB
350	165.0	FFG1M435--FB
400	197.0	FFG1M440--FB
500	271.0	FFG1M450--FB
600	361.0	FFG1M460--FB
700	464.0	FFG1M470--FB
800	583.0	FFG1M480--FB

**FFG**

**MANCHETTE A BRIDES  
MANICOTTO A FLANGE FUSE  
DOUBLE FLANGED PIPES  
DOPPELFLANSCHROHRE**



Lunghezza / Longueur / Length / Länge =  
**1500 mm**

<b>PN 10</b>		
1500 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	30.0	FFG1M508--FA
100	37.0	FFG1M510--FA
125	47.5	FFG1M512--FA
150	58.5	FFG1M515--FA
200	83.0	FFG1M520--FA
250	112.0	FFG1M525--FA
300	143.0	FFG1M530--FA
350	174.0	FFG1M535--FA
400	209.0	FFG1M540--FA
500	287.0	FFG1M550--FA
600	383.0	FFG1M560--FA
700	491.0	FFG1M570--FA
800	616.0	FFG1M580--FA

<b>PN 16</b>		
1500 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	30.0	FFG1M508--FB
100	37.0	FFG1M510--FB
125	47.5	FFG1M512--FB
150	58.5	FFG1M515--FB
200	83.0	FFG1M520--FB
250	112.0	FFG1M525--FB
300	143.0	FFG1M530--FB
350	174.0	FFG1M535--FB
400	209.0	FFG1M540--FB
500	287.0	FFG1M550--FB
600	383.0	FFG1M560--FB
700	491.0	FFG1M570--FB
800	616.0	FFG1M580--FB

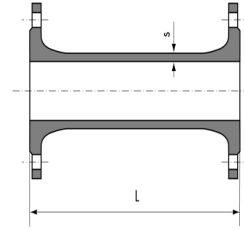
Lunghezza / Longueur / Length / Länge =  
**1600 mm**

<b>PN 10</b>		
1600 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	32.0	FFG1M608--FA
100	39.0	FFG1M610--FA
125	50.0	FFG1M612--FA
150	62.0	FFG1M615--FA
200	87.5	FFG1M620--FA
250	118.0	FFG1M625--FA
300	151.0	FFG1M630--FA
350	184.0	FFG1M635--FA
400	220.0	FFG1M640--FA
500	303.0	FFG1M650--FA
600	404.0	FFG1M660--FA
700	518.0	FFG1M670--FA
800	649.0	FFG1M680--FA

<b>PN 16</b>		
1600 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	32.0	FFG1M608--FB
100	39.0	FFG1M610--FB
125	50.0	FFG1M612--FB
150	62.0	FFG1M615--FB
200	87.5	FFG1M620--FB
250	118.0	FFG1M625--FB
300	151.0	FFG1M630--FB
350	184.0	FFG1M635--FB
400	220.0	FFG1M640--FB
500	303.0	FFG1M650--FB
600	404.0	FFG1M660--FB
700	518.0	FFG1M670--FB
800	649.0	FFG1M680--FB

**FFG**

**MANCHETTE A BRIDES  
MANICOTTO A FLANGE FUSE  
DOUBLE FLANGED PIPES  
DOPPELFLANSCHROHRE**



Lunghezza / Longueur / Length / Länge =  
**1700 mm**

<b>PN 10</b>		
1700 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	33.5	FFG1M708--FA
100	41.5	FFG1M710--FA
125	53.0	FFG1M712--FA
150	65.0	FFG1M715--FA
200	92.0	FFG1M720--FA
250	124.0	FFG1M725--FA
300	159.0	FFG1M730--FA
350	193.0	FFG1M735--FA
400	232.0	FFG1M740--FA
500	319.0	FFG1M750--FA
600	425.0	FFG1M760--FA
700	545.0	FFG1M770--FA
800	682.0	FFG1M780--FA

<b>PN 16</b>		
1700 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	33.5	FFG1M708--FB
100	41.5	FFG1M710--FB
125	53.0	FFG1M712--FB
150	65.0	FFG1M715--FB
200	92.0	FFG1M720--FB
250	124.0	FFG1M725--FB
300	159.0	FFG1M730--FB
350	193.0	FFG1M735--FB
400	232.0	FFG1M740--FB
500	319.0	FFG1M750--FB
600	425.0	FFG1M760--FB
700	545.0	FFG1M770--FB
800	682.0	FFG1M780--FB

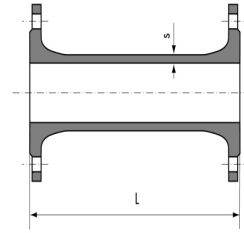
Lunghezza / Longueur / Length / Länge =  
**1800 mm**

<b>PN 10</b>		
1800 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	35.0	FFG1M808--FA
100	43.5	FFG1M810--FA
125	55.5	FFG1M812--FA
150	68.5	FFG1M815--FA
200	97.0	FFG1M820--FA
250	130.0	FFG1M825--FA
300	167.0	FFG1M830--FA
350	203.0	FFG1M835--FA
400	244.0	FFG1M840--FA
500	335.0	FFG1M850--FA
600	446.0	FFG1M860--FA
700	572.0	FFG1M870--FA
800	715.0	FFG1M880--FA

<b>PN 16</b>		
1800 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	35.0	FFG1M808--FB
100	43.5	FFG1M810--FB
125	55.5	FFG1M812--FB
150	68.5	FFG1M815--FB
200	97.0	FFG1M820--FB
250	130.0	FFG1M825--FB
300	167.0	FFG1M830--FB
350	203.0	FFG1M835--FB
400	244.0	FFG1M840--FB
500	335.0	FFG1M850--FB
600	446.0	FFG1M860--FB
700	572.0	FFG1M870--FB
800	715.0	FFG1M880--FB

**FFG**

**MANCHETTE A BRIDES  
MANICOTTO A FLANGE FUSE  
DOUBLE FLANGED PIPES  
DOPPELFLANSCHROHRE**



Lunghezza / Longueur / Length / Länge =  
**1900 mm**

<b>PN 10</b>		
1900 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	36.5	FFG1M908--FA
100	45.5	FFG1M910--FA
125	58.0	FFG1M912--FA
150	71.5	FFG1M915--FA
200	101.0	FFG1M920--FA
250	136.0	FFG1M925--FA
300	174.0	FFG1M930--FA
350	213.0	FFG1M935--FA
400	255.0	FFG1M940--FA
500	352.0	FFG1M950--FA
600	467.0	FFG1M960--FA
700	599.0	FFG1M970--FA
800	749.0	FFG1M980--FA

<b>PN 16</b>		
1900 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	36.5	FFG1M908--FB
100	45.5	FFG1M910--FB
125	58.0	FFG1M912--FB
150	71.5	FFG1M915--FB
200	101.0	FFG1M920--FB
250	136.0	FFG1M925--FB
300	174.0	FFG1M930--FB
350	213.0	FFG1M935--FB
400	255.0	FFG1M940--FB
500	352.0	FFG1M950--FB
600	467.0	FFG1M960--FB
700	599.0	FFG1M970--FB
800	749.0	FFG1M980--FB

Lunghezza / Longueur / Length / Länge =  
**2000 mm**

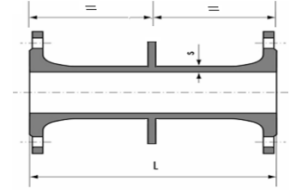
<b>PN 10</b>		
2000 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	38.0	FFG2M008--FA
100	47.5	FFG2M010--FA
125	61.0	FFG2M012--FA
150	75.0	FFG2M015--FA
200	106.0	FFG2M020--FA
250	142.0	FFG2M025--FA
300	182.0	FFG2M030--FA
350	222.0	FFG2M035--FA
400	267.0	FFG2M040--FA
500	368.0	FFG2M050--FA
600	488.0	FFG2M060--FA
700	625.0	FFG2M070--FA
800	782.0	FFG2M080--FA

<b>PN 16</b>		
2000 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	38.0	FFG2M008--FB
100	47.5	FFG2M010--FB
125	61.0	FFG2M012--FB
150	75.0	FFG2M015--FB
200	106.0	FFG2M020--FB
250	142.0	FFG2M025--FB
300	182.0	FFG2M030--FB
350	222.0	FFG2M035--FB
400	267.0	FFG2M040--FB
500	368.0	FFG2M050--FB
600	488.0	FFG2M060--FB
700	625.0	FFG2M070--FB
800	782.0	FFG2M080--FB



# FFM

**MANCHETTE D'ENCRAGE A COLLERETTE BRIDE**  
**MANICOTTO MURARIO A FLANGE FUSE**  
**DOUBLE FLANGED PIPES WITH PUDDLE FLANGE**  
**DOPPELFLANSCHSTÜCKE MIT MAUERFLANSCH**



Lunghezza / Longueur / Length / Länge =  
**100 mm**

<b>PN 10</b>		
100 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	10.4	FFM1008--FA
100	11.9	FFM1010--FA
125	14.6	FFM1012--FA
150	18.2	FFM1015--FA
200	25.3	FFM1020--FA
250	35.3	FFM1025--FA
300	47.0	FFM1030--FA

<b>PN 16</b>		
100 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	10.4	FFM1008--FB
100	11.9	FFM1010--FB
125	14.6	FFM1012--FB
150	18.2	FFM1015--FB
200	25.1	FFM1020--FB
250	34.9	FFM1025--FB
300	46.6	FFM1030--FB

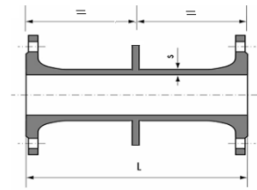
Lunghezza / Longueur / Length / Länge =  
**200 mm**

<b>PN 10</b>		
200 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	12.0	FFM2008--FA
100	14.0	FFM2008--FA
125	17.3	FFM2012--FA
150	21.5	FFM2015--FA
200	29.9	FFM2020--FA
250	41.8	FFM2025--FA
300	54.5	FFM2030--FA
350	63.2	FFM2035--FA
400	74.7	FFM2040--FA
500	101.7	FFM2050--FA
600	140.8	FFM2060--FA

<b>PN 16</b>		
200 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	12.0	FFM2008--FB
100	14.0	FFM2010--FB
125	17.3	FFM2012--FB
150	21.5	FFM2015--FB
200	27.9	FFM2020--FB
250	38.4	FFM2025--FB
300	51.1	FFM2030--FB
350	66.0	FFM2035--FB
400	79.6	FFM2040--FB
500	75.9	FFM2050--FB
600	165.6	FFM2060--FB

**FFM**

**MANCHETTE D'ENCRAGE A COLLERETTE BRIDE  
 MANICOTTO MURARIO A FLANGE FUSE  
 DOUBLE FLANGED PIPES WITH PUDDLE FLANGE  
 DOPPELFLANSCHSTÜCKE MIT MAUERFLANSCH**



Lunghezza / Longueur / Length / Länge =  
**300 mm**

<b>PN 10</b>		
300 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	13.6	FFM3008--FA
100	16.0	FFM3010--FA
125	19.9	FFM3012--FA
150	24.7	FFM3015--FA
200	34.4	FM3020--FA
250	47.8	FFM3025--FA
300	62.5	FFM3030--FA
350	73.2	FFM3035--FA
400	86.7	FFM3040--FA
500	117.7	FFM3050--FA
600	161.8	FFM3060--FA
700	213.3	FFM3070--FA

<b>PN 16</b>		
300 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	13.6	FFM3008--FB
100	16.0	FFM3010--FB
125	19.9	FFM3012--FB
150	24.7	FFM3015--FB
200	34.2	FFM3020--FB
250	47.4	FFM3025--FB
300	62.1	FFM3030--FB
350	76.0	FFM3035--FB
400	91.6	FFM3040--FB
500	131.9	FFM3050--FB
600	186.6	FFM3060--FB
700	226.4	FFM3070--FB

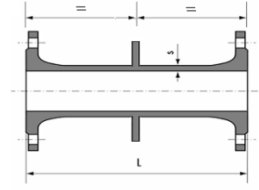
Lunghezza / Longueur / Length / Länge =  
**400 mm**

<b>PN 10</b>		
400 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	15.2	FFM4008--FA
100	18.1	FFM4010--FA
125	22.6	FFM4012--FA
150	28.0	FFM4015--FA
200	38.9	FFM4020--FA
250	53.8	FFM4025--FA
300	70.0	FFM4030--FA
350	82.7	FFM4035--FA
400	98.2	FFM4040--FA
500	134.2	FFM4050--FA
600	182.8	FFM4060--FA
700	240.3	FFM4070--FA
800	308.8	FFM4080--FA
900	369.6	FFM4090--FA
1000	453.6	FFM40M0--FA

<b>PN 16</b>		
400 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	15.2	FFM4008--FB
100	18.1	FFM4010--FB
125	22.6	FFM4012--FB
150	28.0	FFM4015--FB
200	38.7	FFM4020--FB
250	53.4	FFM4025--FB
300	69.6	FFM4030--FB
350	85.5	FFM4035--FB
400	103.1	FFM4040--FB
500	148.4	FFM4050--FB
600	207.6	FFM4060--FB
700	253.4	FFM4070--FB
800	326.8	FFM4080--FB
900	391.4	FFM4090--FB
1000	493.0	FFM40M0--FB

**FFM**

**MANCHETTE D'ENCRAGE A COLLERETTE BRIDE  
MANICOTTO MURARIO A FLANGE FUSE  
DOUBLE FLANGED PIPES WITH PUDDLE FLANGE  
DOPPELFLANSCHSTÜCKE MIT MAUERFLANSCH**



Lunghezza / Longueur / Length / Länge =  
**500 mm**

<b>PN 10</b>		
500 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	16.9	FFM5008--FA
100	20.1	FFM5010--FA
125	25.0	FFM5012--FA
150	31.0	FFM5015--FA
200	43.9	FFM5020--FA
250	60.3	FFM5025--FA
300	78.0	FFM5030--FA
350	92.2	FFM5035--FA
400	109.7	FFM5040--FA
500	150.2	FFM5050--FA
600	203.8	FFM5060--FA
700	267.3	FFM5070--FA
800	342.8	FFM5080--FA
900	409.6	FFM5090--FA
1000	501.6	FFM50M0--FA

<b>PN 16</b>		
500 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	16.9	FFM5008--FB
100	20.1	FFM5010--FB
125	25.0	FFM5012--FB
150	31.0	FFM5015--FB
200	43.7	FFM5020--FB
250	59.9	FFM5025--FB
300	77.6	FFM5030--FB
350	95.0	FFM5035--FB
400	114.6	FFM5040--FB
500	164.4	FFM5050--FB
600	228.6	FFM5060--FB
700	280.4	FFM5070--FB
800	360.8	FFM5080--FB
900	431.4	FFM5090--FB
1000	541.0	FFM50M0--FB

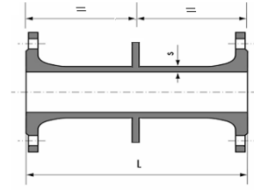
Lunghezza / Longueur / Length / Länge =  
**600 mm**

<b>PN 10</b>		
600 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	18.5	FFM6008--FA
100	22.1	FFM6010--FA
125	28.0	FFM6012--FA
150	33.5	FFM6015--FA
200	48.4	FFM6020--FA
250	66.3	FFM6025--FA
300	86.0	FFM6030--FA
350	102.2	FFM6035--FA
400	121.2	FFM6040--FA
500	166.2	FFM6050--FA
600	224.8	FFM6060--FA
700	294.3	FFM6070--FA
800	375.8	FFM6080--FA
900	449.6	FFM6090--FA
1000	549.6	FFM60M0--FA

<b>PN 16</b>		
600 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	18.5	FFM6008--FB
100	22.1	FFM6010--FB
125	28.0	FFM6012--FB
150	33.5	FFM6015--FB
200	48.2	FFM6020--FB
250	65.9	FFM6025--FB
300	85.6	FFM6030--FB
350	105.0	FFM6035--FB
400	126.1	FFM6040--FB
500	180.4	FFM6050--FB
600	249.6	FFM6060--FB
700	307.4	FFM6070--FB
800	393.8	FFM6080--FB
900	471.4	FFM6090--FB
1000	589.0	FFM60M0--FB

**FFM**

**MANCHETTE D'ENCRAGE A COLLERETTE BRIDE  
 MANICOTTO MURARIO A FLANGE FUSE  
 DOUBLE FLANGED PIPES WITH PUDDLE FLANGE  
 DOPPELFLANSCHSTÜCKE MIT MAUERFLANSCH**



Lunghezza / Longueur / Length / Länge =  
**700 mm**

<b>PN 10</b>		
700 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	20.1	FFM7008--FA
100	24.3	FFM7010--FA
125	30.5	FFM7012--FA
150	37.5	FFM7015--FA
200	52.9	FFM7020--FA
250	72.6	FFM7025--FA
300	93.5	FFM7030--FA
350	111.7	FFM7035--FA
400	133.2	FFM7040--FA
500	182.2	FFM7050--FA
600	246.8	FFM7060--FA
700	320.3	FFM7070--FA
800	408.8	FFM7080--FA
900	489.6	FFM7090--FA
1000	597.6	FFM70M0--FA

<b>PN 16</b>		
700 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	20.1	FFM7008--FB
100	24.3	FFM7010--FB
125	30.5	FFM7012--FB
150	37.5	FFM7015--FB
200	52.7	FFM7020--FB
250	71.9	FFM7025--FB
300	93.1	FFM7030--FB
350	114.5	FFM7035--FB
400	138.1	FFM7040--FB
500	196.4	FFM7050--FB
600	271.6	FFM7060--FB
700	333.4	FFM7070--FB
800	426.8	FFM7080--FB
900	511.4	FFM7090--FB
1000	637.0	FFM70M0--FB

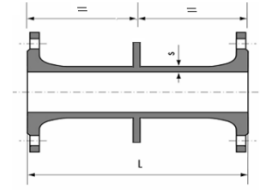
Lunghezza / Longueur / Length / Länge =  
**800 mm**

<b>PN 10</b>		
800 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	21.7	FFM8008--FA
100	26.3	FFM8010--FA
125	33.0	FFM8012--FA
150	41.0	FFM8015--FA
200	57.4	FFM8020--FA
250	78.3	FFM8025--FA
300	101.5	FFM8030--FA
350	121.7	FFM8035--FA
400	144.2	FFM8040--FA
500	198.2	FFM8050--FA
600	267.8	FFM8060--FA
700	347.3	FFM8070--FA
800	441.8	FFM8080--FA
900	530.8	FFM8090--FA
1000	644.6	FFM80M0--FA

<b>PN 16</b>		
800 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	21.7	FFM8008--FB
100	26.3	FFM8010--FB
125	33.0	FFM8012--FB
150	41.0	FFM8015--FB
200	57.2	FFM8020--FB
250	77.9	FFM8025--FB
300	101.1	FFM8030--FB
350	124.5	FFM8035--FB
400	149.1	FFM8040--FB
500	212.4	FFM8050--FB
600	292.6	FFM8060--FB
700	360.4	FFM8070--FB
800	459.8	FFM8080--FB
900	552.4	FFM8090--FB
1000	684.0	FFM80M0--FB

**FFM**

**MANCHETTE D'ENCRAGE A COLLERETTE BRIDE  
MANICOTTO MURARIO A FLANGE FUSE  
DOUBLE FLANGED PIPES WITH PUDDLE FLANGE  
DOPPELFLANSCHSTÜCKE MIT MAUERFLANSCH**



Lunghezza / Longueur / Length / Länge =  
**900 mm**

<b>PN 10</b>		
900 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	23.3	FFM9008--FA
100	28.3	FFM9010--FA
125	36.0	FFM9012--FA
150	44.0	FFM9015--FA
200	62.4	FFM9020--FA
250	84.8	FFM9025--FA
300	109.5	FFM9030--FA
350	130.7	FFM9035--FA
400	156.2	FFM9040--FA
500	214.2	FFM9050--FA
600	288.8	FFM9060--FA
700	374.3	FFM9070--FA
800	474.8	FFM9080--FA
900	570.6	FFM9090--FA
1000	692.6	FFM90M0--FA

<b>PN 16</b>		
900 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	23.3	FFM9008--FB
100	28.3	FFM9010--FB
125	36.0	FFM9012--FB
150	44.0	FFM9015--FB
200	62.2	FFM9020--FB
250	84.4	FFM9025--FB
300	109.1	FFM9030--FB
350	133.5	FFM9035--FB
400	161.1	FFM9040--FB
500	228.4	FFM9050--FB
600	313.6	FFM9060--FB
700	387.4	FFM9070--FB
800	492.8	FFM9080--FB
900	592.4	FFM9090--FB
1000	732.0	FFM90M0--FB

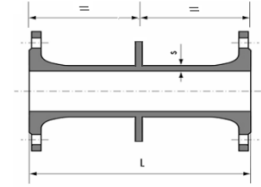
Lunghezza / Longueur / Length / Länge =  
**1000 mm**

<b>PN 10</b>		
1000 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	24.8	FFM1M008--FA
100	30.3	FFM1M010--FA
125	38.4	FFM1M012--FA
150	47.5	FFM1M015--FA
200	69.9	FFM1M020--FA
250	90.8	FFM1M025--FA
300	117.0	FFM1M030--FA
350	140.7	FFM1M035--FA
400	168.2	FFM1M040--FA
500	230.2	FFM1M050--FA
600	309.8	FFM1M060--FA
700	401.3	FFM1M070--FA
800	408.8	FFM1M080--FA
900	610.6	FFM1M090--FA
1000	740.6	FFM1M0M0--FA

<b>PN 16</b>		
1000 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	24.8	FFM1M008--FB
100	30.3	FFM1M010--FB
125	38.4	FFM1M012--FB
150	47.5	FFM1M015--FB
200	66.7	FFM1M020--FB
250	90.4	FFM1M025--FB
300	116.6	FFM1M030--FB
350	143.5	FFM1M035--FB
400	173.1	FFM1M040--FB
500	244.4	FFM1M050--FB
600	334.6	FFM1M060--FB
700	414.4	FFM1M070--FB
800	526.8	FFM1M080--FB
900	532.4	FFM1M090--FB
1000	780.0	FFM1M0M0--FB

**FFM**

**MANCHETTE D'ENCRAGE A COLLERETTE BRIDE  
MANICOTTO MURARIO A FLANGE FUSE  
DOUBLE FLANGED PIPES WITH PUDDLE FLANGE  
DOPPELFLANSCHSTÜCKE MIT MAUERFLANSCH**



Lunghezza / Longueur / Length / Länge =  
**1100 mm**

<b>PN 10</b>		
1100 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	26.3	FFM1M108--FA
100	32.3	FFM1M110--FA
125	41.0	FFM1M112--FA
150	50.5	FFM1M115--FA
200	71.4	FFM1M120--FA
250	96.8	FFM1M125--FA
300	125.0	FFM1M130--FA
350	150.7	FFM1M135--FA
400	179.2	FFM1M140--FA
500	246.2	FFM1M150--FA
600	330.8	FFM1M160--FA
700	428.3	FFM1M170--FA
800	541.8	FFM1M180--FA
900	650.6	FFM1M190--FA
1000	788.6	FFM1M1M0--FA

<b>PN 16</b>		
1100 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	26.3	FFM1M108--FB
100	32.3	FFM1M110--FB
125	41.0	FFM1M112--FB
150	50.5	FFM1M115--FB
200	71.2	FFM1M120--FB
250	96.4	FFM1M125--FB
300	124.6	FFM1M130--FB
350	153.5	FFM1M135--FB
400	184.1	FFM1M140--FB
500	260.4	FFM1M150--FB
600	355.6	FFM1M160--FB
700	441.4	FFM1M170--FB
800	559.8	FFM1M180--FB
900	672.4	FFM1M190--FB
1000	828.0	FFM1M1M0--FB

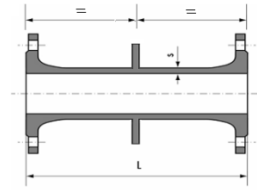
Lunghezza / Longueur / Length / Länge =  
**1200 mm**

<b>PN 10</b>		
1200 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	28.3	FFM1M208--FA
100	34.3	FFM1M210--FA
125	43.5	FFM1M212--FA
150	54.0	FFM1M215--FA
200	75.9	FFM1M220--FA
250	102.8	FFM1M225--FA
300	133.0	FFM1M230--FA
350	159.7	FFM1M235--FA
400	191.2	FFM1M240--FA
500	262.2	FFM1M250--FA
600	351.8	FFM1M260--FA
700	455.3	FFM1M270--FA
800	574.8	FFM1M280--FA
900	690.6	FFM1M290--FA
1000	835.6	FFM1M2M0--FA

<b>PN 16</b>		
1200 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	28.3	FFM1M208--FB
100	34.3	FFM1M210--FB
125	43.5	FFM1M212--FB
150	54.0	FFM1M215--FB
200	75.7	FFM1M220--FB
250	102.4	FFM1M225--FB
300	132.6	FFM1M230--FB
350	162.5	FFM1M235--FB
400	196.1	FFM1M240--FB
500	276.4	FFM1M250--FB
600	376.6	FFM1M260--FB
700	468.4	FFM1M270--FB
800	592.8	FFM1M280--FB
900	712.4	FFM1M290--FB
1000	875.0	FFM1M2M0--FB

# FFM

**MANCHETTE D'ENCRAGE A COLLERETTE BRIDE**  
**MANICOTTO MURARIO A FLANGE FUSE**  
**DOUBLE FLANGED PIPES WITH PUDDLE FLANGE**  
**DOPPELFLANSCHSTÜCKE MIT MAUERFLANSCH**



Lunghezza / Longueur / Length / Länge =  
**1300 mm**

<b>PN 10</b>		
1300 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	29.8	FFM1M308--FA
100	36.3	FFM1M310--FA
125	46.5	FFM1M312--FA
150	57.0	FFM1M315--FA
200	80.4	FFM1M320--FA
250	109.3	FFM1M325--FA
300	141.0	FFM1M330--FA
350	169.7	FFM1M335--FA
400	202.2	FFM1M340--FA
500	278.2	FFM1M350--FA
600	372.8	FFM1M360--FA
700	482.3	FFM1M370--FA
800	607.8	FFM1M380--FA

<b>PN 16</b>		
1300 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	29.8	FFM1M308--FB
100	36.3	FFM1M310--FB
125	46.5	FFM1M312--FB
150	57.0	FFM1M315--FB
200	80.2	FFM1M320--FB
250	108.9	FFM1M325--FB
300	140.6	FFM1M330--FB
350	175.2	FFM1M335--FB
400	207.1	FFM1M340--FB
500	292.4	FFM1M350--FB
600	397.6	FFM1M360--FB
700	495.4	FFM1M370--FB
800	625.8	FFM1M380--FB

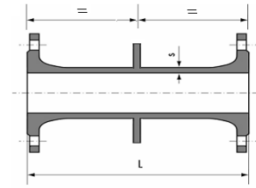
Lunghezza / Longueur / Length / Länge =  
**1400 mm**

<b>PN 10</b>		
1400 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	31.3	FFM1M408--FA
100	38.3	FFM1M410--FA
125	49.0	FFM1M412--FA
150	60.5	FFM1M415--FA
200	85.4	FFM1M420--FA
250	114.8	FFM1M425--FA
300	148.0	FFM1M430--FA
350	179.7	FFM1M435--FA
400	214.2	FFM1M440--FA
500	294.2	FFM1M450--FA
600	393.8	FFM1M460--FA
700	508.3	FFM1M470--FA
800	641.8	FFM1M480--FA

<b>PN 16</b>		
1400 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	31.3	FFM1M408--FB
100	38.3	FFM1M410--FB
125	49.0	FFM1M412--FB
150	60.5	FFM1M415--FB
200	85.2	FFM1M420--FB
250	114.4	FFM1M425--FB
300	147.6	FFM1M430--FB
350	182.5	FFM1M435--FB
400	219.1	FFM1M440--FB
500	308.4	FFM1M450--FB
600	418.6	FFM1M460--FB
700	521.4	FFM1M470--FB
800	659.8	FFM1M480--FB

**FFM**

**MANCHETTE D'ENCRAGE A COLLERETTE BRIDE  
MANICOTTO MURARIO A FLANGE FUSE  
DOUBLE FLANGED PIPES WITH PUDDLE FLANGE  
DOPPELFLANSCHSTÜCKE MIT MAUERFLANSCH**



Lunghezza / Longueur / Length / Länge =  
**1500 mm**

<b>PN 10</b>		
1500 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	32.8	FFM1M508--FA
100	40.3	FFM1M510--FA
125	51.5	FFM1M512--FA
150	63.5	FFM1M515--FA
200	89.9	FFM1M520--FA
250	121.8	FFM1M525--FA
300	156.0	FFM1M530--FA
350	188.7	FFM1M535--FA
400	226.2	FFM1M540--FA
500	310.2	FFM1M550--FA
600	415.8	FFM1M560--FA
700	535.3	FFM1M570--FA
800	674.8	FFM1M580--FA

<b>PN 16</b>		
1500 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	32.8	FFM1M508--FB
100	40.3	FFM1M510--FB
125	51.5	FFM1M512--FB
150	63.5	FFM1M515--FB
200	89.7	FFM1M520--FB
250	121.4	FFM1M525--FB
300	155.6	FFM1M530--FB
350	191.5	FFM1M535--FB
400	231.1	FFM1M540--FB
500	324.4	FFM1M550--FB
600	440.6	FFM1M560--FB
700	548.4	FFM1M570--FB
800	692.8	FFM1M580--FB

Lunghezza / Longueur / Length / Länge =  
**1600 mm**

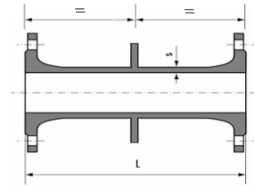
<b>PN 10</b>		
1600 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	34.8	FFM1M608--FA
100	42.3	FFM1M610--FA
125	54.0	FFM1M612--FA
150	67.0	FFM1M615--FA
200	94.4	FFM1M620--FA
250	127.8	FFM1M625--FA
300	164.0	FFM1M630--FA
350	198.7	FFM1M635--FA
400	237.2	FFM1M640--FA
500	326.2	FFM1M650--FA
600	436.8	FFM1M660--FA
700	562.3	FFM1M670--FA
800	707.8	FFM1M680--FA

<b>PN 16</b>		
1600 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	34.8	FFM1M608--FB
100	42.3	FFM1M610--FB
125	54.0	FFM1M612--FB
150	67.0	FFM1M615--FB
200	94.2	FFM1M620--FB
250	127.4	FFM1M625--FB
300	163.6	FFM1M630--FB
350	201.5	FFM1M635--FB
400	242.1	FFM1M640--FB
500	340.4	FFM1M650--FB
600	461.6	FFM1M660--FB
700	575.4	FFM1M670--FB
800	725.8	FFM1M680--FB



**FFM**

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 MANICOTTO MURARIO A FLANGE FUSE  
 DOUBLE FLANGED PIPES WITH PUDDLE FLANGE  
 DOPPELFLANSCHSTÜCKE MIT MAUERFLANSCH**



Lunghezza / Longueur / Length / Länge =  
**1700 mm**

<b>PN 10</b>		
1700 mm = Lunghezza / Longueur / Length / Länge		
<b>DN</b>	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	36.3	FFM1M708--FA
100	44.8	FFM1M710--FA
125	57.0	FFM1M712--FA
150	70.0	FFM1M715--FA
200	98.9	FFM1M720--FA
250	133.8	FFM1M725--FA
300	172.0	FFM1M730--FA
350	207.7	FFM1M735--FA
400	249.2	FFM1M740--FA
500	342.2	FFM1M750--FA
600	457.8	FFM1M760--FA
700	589.3	FFM1M770--FA
800	740.8	FFM1M780--FA

<b>PN 16</b>		
1700 mm = Lunghezza / Longueur / Length / Länge		
<b>DN</b>	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	36.3	FFM1M708--FB
100	44.8	FFM1M710--FB
125	57.0	FFM1M712--FB
150	70.0	FFM1M715--FB
200	98.7	FFM1M720--FB
250	133.4	FFM1M725--FB
300	171.6	FFM1M730--FB
350	210.5	FFM1M735--FB
400	254.1	FFM1M740--FB
500	356.4	FFM1M750--FB
600	482.6	FFM1M760--FB
700	602.4	FFM1M770--FB
800	758.8	FFM1M780--FB

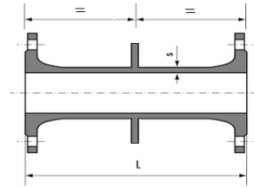
Lunghezza / Longueur / Length / Länge =  
**1800 mm**

<b>PN 10</b>		
1800 mm = Lunghezza / Longueur / Length / Länge		
<b>DN</b>	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	37.8	FFM1M808--FA
100	46.8	FFM1M810--FA
125	59.5	FFM1M812--FA
150	73.5	FFM1M815--FA
200	103.9	FFM1M820--FA
250	139.8	FFM1M825--FA
300	180.0	FFM1M830--FA
350	217.7	FFM1M835--FA
400	261.2	FFM1M840--FA
500	358.2	FFM1M850--FA
600	478.8	FFM1M860--FA
700	616.3	FFM1M870--FA
800	773.8	FFM1M880--FA

<b>PN 16</b>		
1800 mm = Lunghezza / Longueur / Length / Länge		
<b>DN</b>	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	37.8	FFM1M808--FB
100	46.8	FFM1M810--FB
125	59.5	FFM1M812--FB
150	73.5	FFM1M815--FB
200	103.7	FFM1M820--FB
250	139.4	FFM1M825--FB
300	179.6	FFM1M830--FB
350	220.5	FFM1M835--FB
400	266.1	FFM1M840--FB
500	372.4	FFM1M850--FB
600	503.6	FFM1M860--FB
700	629.4	FFM1M870--FB
800	791.8	FFM1M880--FB

**FFM**

**MANCHETTE D'ENCRAGE A COLLERETTE BRIDE  
 MANICOTTO MURARIO A FLANGE FUSE  
 DOUBLE FLANGED PIPES WITH PUDDLE FLANGE  
 DOPPELFLANSCHSTÜCKE MIT MAUERFLANSCH**



Lunghezza / Longueur / Length / Länge =  
**1900 mm**

<b>PN 10</b>		
1900 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	39.3	FFM1M908--FA
100	48.8	FFM1M910--FA
125	62.0	FFM1M912--FA
150	76.5	FFM1M915--FA
200	107.9	FFM1M920--FA
250	145.8	FFM1M925--FA
300	187.0	FFM1M930--FA
350	227.7	FFM1M935--FA
400	272.2	FFM1M940--FA
500	375.2	FFM1M950--FA
600	499.8	FFM1M960--FA
700	643.3	FFM1M970--FA
800	807.8	FFM1M980--FA

<b>PN 16</b>		
1900 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	39.3	FFM1M908--FB
100	48.8	FFM1M910--FB
125	62.0	FFM1M912--FB
150	76.5	FFM1M915--FB
200	107.7	FFM1M920--FB
250	145.4	FFM1M925--FB
300	186.6	FFM1M930--FB
350	230.5	FFM1M935--FB
400	277.1	FFM1M940--FB
500	389.4	FFM1M950--FB
600	524.6	FFM1M960--FB
700	656.4	FFM1M970--FB
800	825.8	FFM1M980--FB

Lunghezza / Longueur / Length / Länge =  
**2000 mm**

<b>PN 10</b>		
2000 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	40.8	FFM2M008--FA
100	50.8	FFM2M010--FA
125	65.0	FFM2M012--FA
150	80.0	FFM2M015--FA
200	112.9	FFM2M020--FA
250	151.8	FFM2M025--FA
300	195.0	FFM2M030--FA
350	236.7	FFM2M035--FA
400	284.2	FFM2M040--FA
500	391.2	FFM2M050--FA
600	520.8	FFM2M060--FA
700	669.3	FFM2M070--FA
800	840.8	FFM2M080--FA

<b>PN 16</b>		
2000 mm = Lunghezza / Longueur / Length / Länge		
DN	peso poids weight Gewicht	Tutto bitume Tout bitume All bitumen Alles bitumiert
80	40.8	FFM2M008--FB
100	50.8	FFM2M010--FB
125	65.0	FFM2M012--FB
150	80.0	FFM2M015--FB
200	112.7	FFM2M020--FB
250	151.4	FFM2M025--FB
300	194.6	FFM2M030--FB
350	239.5	FFM2M035--FB
400	311.6	FFM2M040--FB
500	405.4	FFM2M050--FB
600	545.6	FFM2M060--FB
700	682.4	FFM2M070--FB
800	858.8	FFM2M080--FB

**Water Technology Solution SA**

Route du Verney 18  
CH - 1070 Puidoux  
Tél. +41 (0)32 435 15 81  
Fax. +41 (0)32 435 15 82  
e-mail: [w-t-s@w-t-s.ch](mailto:w-t-s@w-t-s.ch)  
[www.w-t-s.ch](http://www.w-t-s.ch)

## Des solutions répondant à toutes les exigences requises pour des projets complets

- Tuyaux en fonte ductile pour l'adduction et l'assainissement
- Gamme de raccords en fonte ductile pour l'adduction et l'assainissement
- Gamme complète de fonte de bâtiment

