

# **TAWIL** PVC SERIES

**DUCTILE IRON FITTINGS**

**FOR PVC PIPE**

**ACCORDING to EN12842**

EN1563 Ductile iron 45-12

WRAS CERTIFIED FUSION BOND EPOXY POWDER COATING

EPDM RUBBER RING



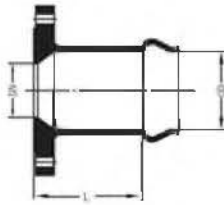
**TAIYUAN WATER INDUSTRIAL CO.,LTD**

TAIYUAN,SHANXI CHINA

[www.difittings.com](http://www.difittings.com)

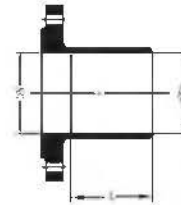
[info@difittings.com](mailto:info@difittings.com)

## Flange Socket



OD	DN	L	Weight / kg	
			PN10	PN16
63	50	15	3.8	3.8
75	65	15	4.3	4.3
90	80	15	5.5	5.6
110	100	15	6.5	6.6
125	100	15	7.0	7.2
125	125	15	7.0	8.1
140	125	20	9.5	9.5
160	150	35	10.3	10.3
180	150	35	13.5	13.8
200	200	40	14.0	14.6
225	200	40	18.0	19.0
250	250	50	24.0	25.0
280	250	50	27.5	28.0
315	300	60	33.0	35.0
355	350	60	42.7	45.4
400	400	70	50.0	53.5
450	450	70	54.0	58.0
500	450	80	73.0	78.0
500	500	80	80.5	83.5
630	600	90	110.0	114.0

## Flange Spigot



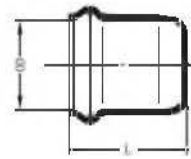
OD	DN	L	Weight / kg	
			PN10	PN16
63	50	93	2.2	2.2
75	65	98	4.3	4.3
90	80	102	5.0	5.0
110	100	110	5.4	5.4
125	100	114	8.0	8.0
125	125	114	8.5	8.5
140	125	119	9.0	9.0
160	150	127	11.5	11.5
180	150	133	14.5	14.5
200	200	139	16.0	15.8
225	200	147	16.7	16.5
250	250	156	23.0	23.3
280	250	166	25.0	25.3
315	300	176	35.0	35.5
355	350	187	41.0	44.0
400	400	198	52.0	58.0
450	450	200	53.0	59.5
500	500	224	76.0	92.0
630	600	260	108.0	136.0

## Collar



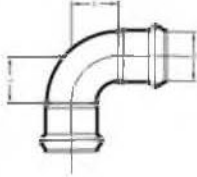
OD	L	Weight / kg
50	60	2.5
63	60	3.2
75	60	4.2
90	60	5.1
110	60	7.0
125	60	7.6
140	60	8.6
160	60	10.5
180	60	14.0
200	60	15.1
225	60	19.5
250	60	27.0
280	60	31.2
315	60	43.2
355	60	49.5
400	60	59.4
450	60	70.0
500	60	89.6

## Cap



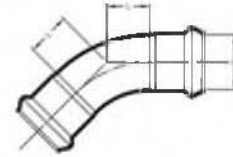
OD	L	Weight / kg
50	95	1.0
63	100	1.5
75	100	1.7
90	120	2.5
110	130	3.5
125	135	4.5
140	145	5.0
160	155	6.5
180	170	8.2
200	175	10.0
225	185	12.0
250	195	15.5
280	205	20.0
315	220	24.6
355	240	30.0
400	260	40.0

**Double Socket Bend 90°**



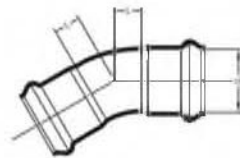
OD	L	Weight / kg
50	60	3.0
63	65	3.8
75	70	5.0
90	75	6.5
110	85	8.6
125	110	9.5
140	110	12.5
160	130	16.0
180	160	19.2
200	160	22.0
225	160	28.0
250	185	38.0
315	215	60.0
355	290	86.0
400	300	101.0
450	300	138.0
500	315	147.0
630	515	270.0

**Double Socket Bend 45°**



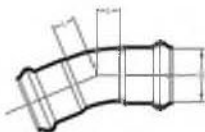
OD	L	Weight / kg
50	40	2.5
63	40	3.5
75	40	4.3
90	50	5.0
110	60	6.6
125	65	9.0
140	65	10.0
160	70	11.3
180	70	15.5
200	70	17.3
225	80	22.0
250	110	32.4
315	135	52.0
355	170	65.0
400	175	87.0
450	200	103.0
500	210	139.0
630	235	195.0

**Double Socket Bend 30°**



OD	L	Weight / kg
50	40	2.3
63	40	3.0
75	40	3.8
90	50	5.0
110	60	7.6
125	65	8.2
140	65	9.5
160	70	10.8
180	70	14.5
200	70	16.5
225	80	20.0
250	110	29.8
315	135	48.0
355	170	59.0
400	175	63.7
450	195	81.0
500	210	126.0
630	235	172.0

**Double Socket Bend 22.5°**



OD	L	Weight / kg
50	20	2.2
63	20	2.7
75	25	4.0
90	25	5.0
110	30	6.5
125	30	8.0
140	30	8.6
160	35	12.0
180	40	13.8
200	40	15.0
225	45	18.5
250	50	27.5
315	85	44.3
355	95	54.0
400	110	74.0
450	120	75.6
500	130	115.0
630	150	152.0

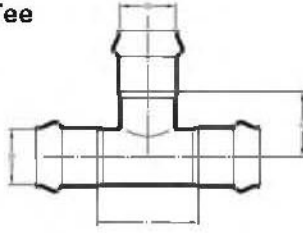
**Double Socket Bend 11.25°**



OD	L	Weight / kg
50	20	2.2
63	20	2.7
75	25	3.8
90	25	4.9
110	30	6.0
125	30	7.6
140	30	8.6
160	30	12.0
180	30	13.5
200	30	14.0
225	40	19.0
250	40	24.8
315	55	41.0
355	60	50.0
400	65	68.0
450	70	72.0
500	75	101.0
630	90	129.0



## All Socket Tee

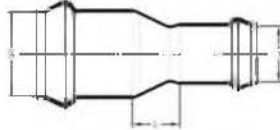


OD	od	L	H	Weight / kg
50	50	60	30	3.5
63	50	65	30	4.3
	63	70	30	4.5
75	50	65	45	5.4
	63	70	45	6.0
	75	85	45	6.5
90	50	75	50	6.5
	63	80	50	6.8
	75	90	50	7.6
	90	105	50	10.3
110	50	65	60	8.0
	63	75	60	8.6
	75	90	60	10.5
	90	105	60	10.8
125	110	125	60	13.0
	50	65	70	9.7
	63	75	70	10.0
	75	90	70	11.8
	90	105	70	13.0
140	125	150	70	15.1
	50	65	75	10.5
	63	75	75	12.0
	75	90	75	12.5
	90	105	75	14.0
	125	150	75	16.0
160	40	55	85	11.9
	50	65	85	12.5
	63	75	85	13.0
	75	90	85	14.8
	90	105	85	16.5
	110	125	85	19.0
	125	125	85	19.5
	160	175	85	21.1
200	50	70	105	16.2
	75	120	105	19.4
	110	160	105	22.1
	125	160	105	22.7
	160	210	105	24.8
	200	240	105	27.0
225	50	70	120	20.5
	63	110	120	21.6
	75	120	120	22.1
	90	140	120	23.8
	110	160	120	25.9
	125	170	120	27.0
	160	210	120	28.6
200	240	120	32.4	
225	260	120	34.6	

OD	od	L	H	Weight / kg
250	50	70	130	30.2
	63	110	130	30.5
	75	130	130	30.8
	90	155	130	33.0
	110	175	130	33.5
	125	180	130	35.6
	140	200	130	36.0
	160	225	130	39.0
	200	250	130	41.6
280	225	270	130	43.7
	250	300	130	55.5
	63	80	145	37.0
	90	155	145	38.0
	110	175	145	39.0
	160	225	145	43.2
315	180	230	145	45.4
	225	250	145	53.0
	280	325	145	62.0
	63	80	165	46.5
	75	100	165	48.0
	90	120	165	49.0
355	110	175	165	50.0
	125	180	165	51.2
	160	225	165	53.0
	180	225	165	55.0
	200	250	165	58.5
	225	250	165	61.6
	280	325	165	70.0
	315	375	165	81.0
	110	140	190	58.3
400	200	220	190	69.0
	225	250	190	73.0
	250	270	190	74.5
	280	300	190	84.2
	315	340	190	91.0
	355	380	190	98.0
500	90	120	215	65.0
	110	140	215	70.2
	125	155	215	74.5
	160	180	215	77.0
	180	200	215	78.0
	200	220	215	90.0
	250	270	215	93.0
	315	340	215	112.0
500	400	430	215	123.0
	110	140	260	110.0
	125	155	260	115.0
	160	180	260	119.0
	200	220	260	128.0
	250	270	260	143.0
	315	340	260	150.0
	400	430	260	167.0
500	530	270	199.0	

## Double Socket Taper

OD	od	L	Weight / kg
63	50	70	3.2
	50	80	3.3
75	63	80	3.8
	50	80	4.3
90	63	80	4.5
	75	80	4.9
	50	100	5.0
110	63	160	5.7
	75	120	5.8
	90	85	6.5
	63	190	7.6
125	75	190	8.1
	90	135	8.6
	110	100	9.0
140	63	200	8.0
	75	190	9.0
	90	135	9.2
	110	100	9.4
	125	100	9.8
160	50	160	8.8
	63	210	9.3
	75	200	9.7
	110	150	10.8
	125	100	11.5
160	140	100	14.0
	63	250	14.0
	75	250	14.3
	90	250	15.1
200	110	250	15.5
	125	250	16.2
	140	200	16.0
	160	145	16.3

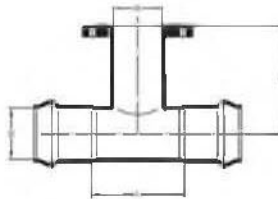


OD	od	L	Weight / kg
225	63	200	14.0
	75	200	15.1
	90	250	15.2
	110	250	15.5
	125	250	16.2
	140	200	16.5
	160	145	17.3
250	200	145	19.4
	63	300	18.4
	90	300	21.1
	110	300	22.0
	125	300	24.0
	140	250	23.0
	160	250	27.5
280	200	150	28.1
	160	250	28.6
	225	150	29.0
315	63	220	30.0
	90	110	26.0
	110	125	29.5
	160	150	30.5
	200	250	40.0
400	250	150	41.0
	63	260	39.0
	110	250	41.0
	250	360	64.0
500	315	260	66.0
	315	460	74.5
	400	260	86.0

## Double Socket Tee With Flange Branch

PN16

OD	od	L	H	Weight / kg
63	50	70	140	6.5
90	80	105	160	10.3
110	50	75	145	10.3
	80	105	170	13.0
	100	125	170	14.5
125	50	80	160	10.0
	80	105	170	11.5
	100	125	180	13.0
160	50	75	170	14.6
	100	125	205	17.8
	150	175	220	24.8
200	50	110	195	17.3
	80	140	225	18.5
	100	160	230	20.5
	125	185	240	22.0
	150	210	245	25.4
225	200	260	250	30.0
	80	140	225	26.0
	100	160	230	27.5
	150	210	245	34.0
	200	260	260	39.0



OD	od	L	H	Weight / kg
250	80	155	250	35.5
	100	175	255	36.3
	125	200	260	39.0
	150	225	265	43.1
	200	275	275	45.0
400	80	175	340	69.2
	100	210	355	75.6
	150	275	360	79.0
	200	325	365	93.0
	500	80	120	375
100		140	380	119.0
150		275	385	127.5
200		250	390	134.0
250		300	400	157.0
300		420	440	164.2
400		450	440	184.0
630	500	550	460	249.0
	80	140	450	141.0
	100	160	450	146.0
	150	275	450	168.0
	200	280	450	174.0
	250	300	460	179.0
	300	420	460	200.0
600	400	470	480	239.0
	600	680	560	355.0

# FLANGE ADAPTOR

## For PVC pipe



WE CHAT

Flange Adaptor for pvc pipe.

Material:

Body / Gland

in ductile iron with Fusion Bond Epoxy

Powder coating

Bolts and nuts

in mild steel with galvanized coating, or  
stainelss steel

Rubber ring in EPDM



Item	Description		Unit Weight
	DN	PIPE OD	
	mm	mm	
1	DN50	63	3.2
2	DN75	75	3.5
3	DN80	90	4.5
4	DN100	110	6.4
5	DN150	160	8.8
6	DN200	225	11.7
7	DN250	280	18.5
8	DN300	315	26

# FLEXIBLE COUPLING

## For PVC pipe



WE CHAT

### SLEEVE LENGTH=178MM

Flexible Coupling for pvc pipe.

Material:

Body / Gland in ductile iron with Fusion Bond Epoxy Powder coating

Bolts and nuts in mild steel with galvanized coating, or stainless steel

Rubber ring in EPDM



Item	Description		Unit Weight
	DN	PIPE OD	
	mm	mm	kg
1	DN50	63	4.2
2	DN60	75	5.2
3	DN80	90	5.8
4	DN100	110	6.5
5	DN150	160	9.3
6	DN200	225	17
7	DN250	280	20
8	DN300	315	35

# GIBAULT COUPLING

## For PVC pipe



WE CHAT

A coupling for pvc pipe.

Material:

Body / Gland

in ductile iron with Fusion Bond Epoxy

Powder coating

Stud bolts and nuts

in mild steel with galvanized coating, or  
stainless steel

Rubber ring in EPDM



Item	Specification			Unit Weight
	L	DN	PIPE OD	
	mm	mm	mm	kg
1	140	DN50	63	1.8
2	140	DN60	75	2.4
3	150	DN80	90	2.8
4	150	DN100	110	3.6
5	150	DN125	125	4.2
6	150	DN140	140	5.8
7	150	DN150	160	6.9
8	190	DN200	225	8.6
9	200	DN250	280	18
10	200	DN300	315	22

WORKING PRESSURE: MAX 16BAR

WORKING TEMPRETURE: MAX 70°C



# FLEXIBLE COUPLING FLANGE ADAPTOR



WE CHAT

## For PE pipe



Item	DN / dn	Unit Weight
	mm	kg
1	50/63	4.5
2	65/75	5.8
3	80/90	6.5
4	100/110	8
5	125/125	12.5
6	140/140	13.5
7	150/160	16.5
8	150/180	17.5
9	200/200	22.5
10	200/225	23.5
11	250/250	28
12	300/315	42.5
13	400/400	82

Item	DN / dn	Unit Weight
	mm	kg
1	63	4.5
2	75	6.5
3	90	7.5
4	110	9
5	160	14
6	200	24
7	225	27
8	250	30.5
9	315	42.5

Flange adaptor & coupling for PE pipe.

Material:

Body / Gland in ductile iron with Fusion Bond Epoxy Powder coating;  
bolts and nuts in mild steel with galvanized coating, or stainless steel.

Rubber ring in EPDM

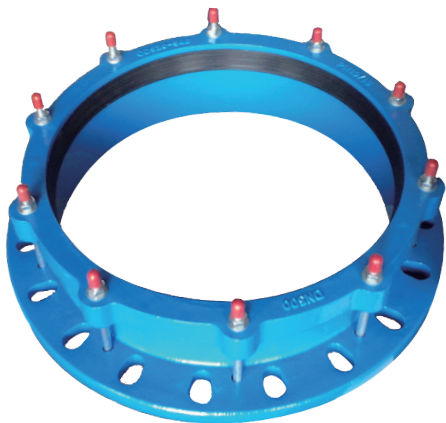
BRASS Teeth ring to fixed the PE pipe, avoid PE pipe slide out.

# UNIVERSAL FLANGE ADAPTOR



WE CHAT

**Wide Range**



Item	Description		Unit Weight
	DN	PIPE OD	
	mm	mm	kg
1	DN50-2	(59-73mm)	3.6
2	DN65-2.5	(72-85mm)	4.8
3	DN80-3	(88-103mm)	6.4
4	DN100-4	(108-128mm)	7.1
5	DN125-5	(132-146mm)	9.5
6	DN150-6	(158-181mm)	11.6
7	DN175-7	(192-209mm)	15.8
8	DN200-8	(218-235mm)	15.8
9	DN225-9	(250-267mm)	18.7
10	DN250-10	(262-289mm)	21.5
11	DN300-12	(315-332mm)	25.3
12	DN300-12	(322-339mm)	26.4
13	DN300-12	(340-360mm)	27.5
14	DN350-14	(351-368mm)	40.2
15	DN350-14	(374-391mm)	41.8
16	DN400-16	(400-429mm)	49.5
17	DN400-16	(425-442mm)	52.8
18	DN450-18	(455-472mm)	57.2
19	DN450-18	(476-493mm)	62
20	DN500-20	(500-532mm)	67
21	DN500-20	(527-544mm)	68.5
22	DN500-20	(555-572mm)	70
23	DN500-20	(566-583mm)	71
24	DN500-20	(582-599mm)	72
25	DN600-24	(600-630mm)	83
26	DN600-24	(630-647mm)	85
27	DN600-24	(645-662mm)	86
28	DN600-24	(662-679mm)	87
29	DN600-24	(675-692mm)	91

# UNIVERSAL FLEXIBLE COUPLING



WE CHAT

## Wide Range



Item	Description		Unit Weight kg
	DN mm	PIPE OD mm	
1	DN50-2	(59-73mm)	3.2
2	DN65-2.5	(72-85mm)	4.2
3	DN80-3	(88-103mm)	5.2
4	DN100-4	(108-128mm)	5.9
5	DN125-5	(132-146mm)	7.7
6	DN150-6	(158-181mm)	9.7
7	DN175-7	(192-209mm)	11.6
8	DN200-8	(218-235mm)	11.6
9	DN225-9	(250-267mm)	16.5
10	DN250-10	(262-289mm)	18.9
11	DN300-12	(315-332mm)	20.4
12	DN300-12	(322-339mm)	20.9
13	DN300-12	(340-360mm)	22
14	DN350-14	(351-368mm)	31.9
15	DN350-14	(374-391mm)	33
16	DN400-16	(400-429mm)	38.5
17	DN400-16	(425-442mm)	40.7
18	DN450-18	(455-472mm)	45.1
19	DN450-18	(476-493mm)	47.3
20	DN500-20	(500-532mm)	52.8
21	DN500-20	(527-544mm)	53.9
22	DN500-20	(555-572mm)	55
23	DN500-20	(566-583mm)	55
24	DN500-20	(582-599mm)	57.2
25	DN600-24	(600-630mm)	71.5
26	DN600-24	(630-647mm)	72.6
27	DN600-24	(645-662mm)	74.8
28	DN600-24	(662-679mm)	77
29	DN600-24	(675-692mm)	79.2

# STEP FLEXIBLE COUPLING



WE CHAT

## Wide Range



Item	DN X DN	Unit Weight
	mm	kg
1	( 59-73mm)/ ( 72-85mm)	5.9
2	(88-103mm)/(108-128mm)	8.3
3	(132-146mm)/(158-181mm)	13.6
4	(192-209mm)/(218-235mm)	16.3
5	(250-267mm)/(262-289mm)	26.5
6	(315-332mm)/ ( 322-339mm)	29.3
7	(322-339mm)/(340-360mm)	30.8
8	(351-368mm)/(374-391mm)	46.2
9	(400-429mm)/(425-442mm)	57
10	(455-472mm)/(476-493mm)	66.3
11	(500-532mm)/(527-544mm)	75.5
12	(600-630mm)/(630-647mm)	101.7



# QUICK FLANGE

**For PVC PE pipe**



WE CHAT



Flange adaptor for PVC pipes

Item	Description	Unit Weight
	mm	kg
1	50* (50/40)	2.3
2	50*63	2.42
3	63x (60/65)	2.64
4	75x60/65	3.08
5	90x80	3.96
6	110x100	4.4
7	125x125	5.17
8	140x125	5.28
9	160x150	7.59
10	200x200	10.56
11	225x200	10.78
12	250x250	12.65
13	315x300	15.07
14	400x400	26.4



Flange adaptor for PE pipes

Item	Description	Unit Weight
	mm	kg
1	40/40	
2	50* (50/40)	2.3
3	50*63	2.42
4	63x(60/65)	2.64
5	75x60/65	3.08
6	90x80	3.96
7	110x100	4.4
8	125x125	5.17
9	140x125	5.28
10	160x150	7.59
11	200x200	10.56
12	225x200	10.78
13	250x250	12.65
14	315x300	15.07
15	400x400	26.4

# SADDLE CLAMP FLANGE TEE



WE CHAT

## Wide Range

Three piece Saddle Clamp Flange Branch Tee  
for PE/PVC/MSTEEL/Ductile iron pipe.

Material:

Body in ductile iron with Fusion Bond Epoxy Powder coating

High Strength steel Bolts and nuts

Rubber ring in EPDM

PIPE OD	FLANGE	UNIT WEIGHT	FLANGE	BOLT
MM	DN	KG		
58-75MM	40MM	8.1	EN1092-2 PN10/PN16	M12X80
84-109MM	40MM	11.3	EN1092-2 PN10/PN16	M14X100
108-125MM	40MM	11.6	EN1092-2 PN10/PN16	M16X100
159-184MM	60MM	20.5	EN1092-2 PN10/PN16	M16X120
211-238MM	60MM	29.4	EN1092-2 PN10/PN16	M16X135
251-283MM	60MM	33.1	EN1092-2 PN10/PN16	M20X145
310-340MM	60MM	41.5	EN1092-2 PN10/PN16	M20X155

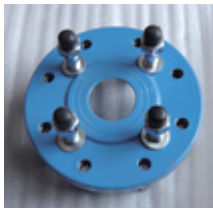


# CONVERT FLANGE

## Reduce Flange



WE CHAT



FLANGE	DN	UNIT WEIGHT
Standard	MM	KG
EN1092-2 PN10/PN16	DN40 X DN50	3.5
EN1092-2 PN10/PN16	DN50 X DN65	4.5
EN1092-2 PN10/PN16	DN65 X DN80	5
EN1092-2 PN10/PN16	DN80 X DN100	7.4
EN1092-2 PN10/PN16	DN100 X DN125	8.5
EN1092-2 PN10/PN16	DN125 X DN150	9.8
EN1092-2 PN10/PN16	DN150 X DN200	13.5
EN1092-2 PN16	DN200 X DN250	21
EN1092-2 PN16	DN250 X DN300	29.5
EN1092-2 PN10/PN16	DN80 X DN50	4.8
EN1092-2 PN10/PN16	DN100 X DN80	7.5
EN1092-2 PN10/PN16	DN100 X DN50	6.5
EN1092-2 PN10/PN16	DN150 X DN100	9.2
EN1092-2 PN10/PN16	DN150 X DN80	8.5
EN1092-2 PN10/PN16	DN150 X DN50	7.8
EN1092-2 PN16	DN200 X DN150	13.5
EN1092-2 PN16	DN200 X DN100	12.5
EN1092-2 PN16	DN200 X DN80	12
EN1092-2 PN16	DN250 X DN200	22.5
EN1092-2 PN16	DN250 X DN150	23.5
EN1092-2 PN16	DN250 X DN100	25.5
EN1092-2 PN16	DN300 X DN250	27
EN1092-2 PN16	DN300 X DN200	28.5
EN1092-2 PN16	DN300 X DN100	31
EN1092-2 PN16	DN300 X DN150	29.5
EN1092-2 PN16	DN350 X DN300	42
EN1092-2 PN16	DN400 X DN350	55
EN1092-2 PN16	DN450 X DN400	65

# SADDLE FOR UPVC/PE PIPE

Material:

Body in ductile iron with Fusion Bond Epoxy Powder coating

High Strength steel Bolts and nuts ( 304/316 available)

Rubber gasket in EPDM

Thread in BSP or other



Item	Description		Unit Weight
	DN	PIPE OD	
	mm	mm	kg
1	DN40-1"	50	1.1
2	DN50-1"	63	1.7
3	DN50-1.25"	63	2.4
4	DN50-1.5"	63	2.5
5	DN50-2"	63	3
6	DN65-1"	75	3
7	DN65-1.25"	75	2.8
8	DN65-1.5"	75	3.3
9	DN65-2"	75	3.1
10	DN80-1"	90	3.1
11	DN80-1.25"	90	3
12	DN80-1.5"	90	3.6
13	DN80-2"	90	3.4
14	DN100-1"	110	4.1
15	DN100-1.25"	110	4
16	DN100-1.5"	110	4.4
17	DN100-2"	110	4.2
18	DN125-1"	125	4.9
19	DN125-1.25"	125	4.7
20	DN125-1.5"	125	5.1
21	DN125-2"	125	4.9
22	DN140-1"	140	6
23	DN140-1.25"	140	6
24	DN140-1.5"	140	6.4
25	DN140-2"	140	6.2
26	DN150-1"	160	8.1
27	DN150-1.25"	160	8.2
28	DN150-1.5"	160	8.2
29	DN150-2"	160	8.1
30	DN200-1"	225	11.4
31	DN200-1.25"	225	11.3
32	DN200-1.5"	225	11.6
33	DN200-2"	225	11.5
34	DN250-1"	280	14.5
35	DN250-1.25"	280	14.5
36	DN250-1.5"	280	14.8
37	DN250-2"	280	15.5
38	DN300-1.5"	315	19
39	DN300-2"	315	19.5



# SADDLE FOR PVC PIPE

## Material:

Body in ductile iron with Fusion Bond Epoxy Powder coating

High Strength steel Bolts and nuts ( 304/316 available)

Rubber gasket in EPDM

Thread in BSP or other



Item	Description	Unit Weight
	mm	kg
1	DN50/PVC63	1.5
2	DN75/PVC75	1.9
3	DN80/PVC90	2.2
4	DN100/PVC110	2.5
5	DN150/PVC160	3.8
6	DN200/PVC200	5.2
7	DN200/PVC225	5.8
8	DN250/PVC250	7
9	DN250/PVC280	7.5
10	DN300/PVC315	8.5
11	DN350/PVC355	14.5
12	DN400/PVC400	16.5