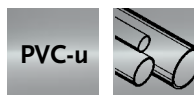
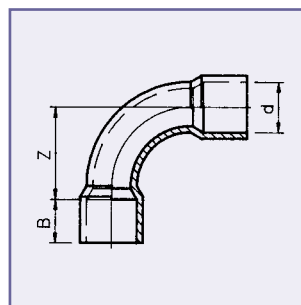


PVC-u metric



## Bend 90°

- Bocht 90°
- Bogen 90°
- Courbe 90°
- Curva 90°
- Curva 90°

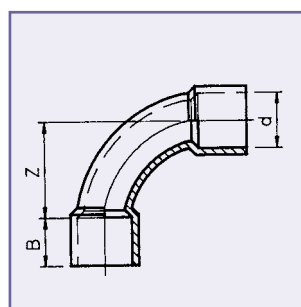


32-50 mm R = 1.8d  
63-315 mm R = 1.5d

Art.code	d	Z	(= max. tol. +15%) B	PN	Quantity
1.05.032	32	60	25	10	350
1.06.032	32	60	25	16	175
1.05.040	40	76	30	10	200
1.06.040	40	76	30	16	100
1.05.050	50	92	35	10	100
1.06.050	50	92	35	16	80
1.05.063	63	102	43	10	60
1.06.063	63	102	43	16	45
1.05.075	75	118	51	10	35
1.06.075	75	118	51	16	25
1.05.090	90	142	58	10	20
1.06.090	90	142	58	16	15
1.05.110	110	175	70	12.5	10
1.05.125	125	200	79	12.5	6
1.05.140	140	236	87	12.5	5
1.05.160	160	260	99	12.5	4
1.05.200	200	330	122	12.5	1
1.05.225	225	380	137	12.5	1
1.05.250	250	390	151	12.5	1
1.05.280	280	480	168	12.5	1
1.05.315	315	625	188	12.5	1

## Bend 90°

- Bocht 90°
- Bogen 90°
- Courbe 90°
- Curva 90°
- Curva 90°



R = 1.5d

Art.code	d	Z	B	PN	Quantity
2.20.020	20	30	16	16	100
2.20.025	25	37.5	19	16	100
2.20.032	32	48	22	16	100
2.20.033	32	48	22	10	100
2.20.040	40	60	26	16	100
2.20.041	40	60	26	10	100
2.20.050	50	75	31	16	50
2.20.051	50	75	31	10	50

## Bend 45°

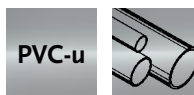
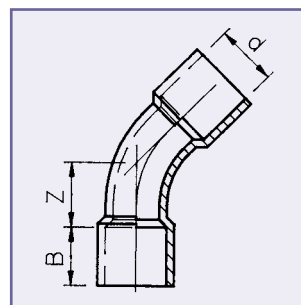
Bocht 45°

Bogen 45°

Courbe 45°

Curva 45°

Curva 45°



32-50 mm R = 1.8d  
63-315 mm R = 1.5d

Art.code	d	Z	(= max. tol. +15%) B	PN	Quantity
1.15.032	32	26	25	10	300
1.16.032	32	26	25	16	350
1.15.040	40	36	30	10	150
1.16.040	40	36	30	16	150
1.15.050	50	40	35	10	150
1.16.050	50	40	35	16	125
1.15.063	63	46	43	10	90
1.16.063	63	46	43	16	60
1.15.075	75	54	51	10	50
1.16.075	75	54	51	16	40
1.15.090	90	63	58	10	30
1.16.090	90	63	58	16	20
1.15.110	110	80	70	12.5	15
1.15.125	125	89	79	12.5	10
1.15.140	140	98	87	12.5	7
1.15.160	160	119	99	12.5	5
1.15.200	200	143	122	12.5	1
1.15.225	225	166	137	12.5	1
1.15.250	250	190	151	12.5	1
1.15.280	280	214	168	12.5	1
1.15.315	315	236	188	12.5	1

## Bend 30°

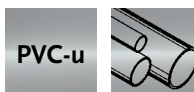
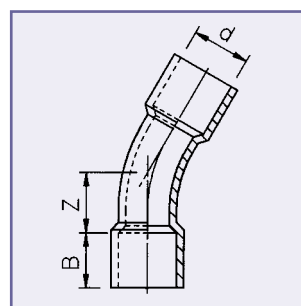
Bocht 30°

Bogen 30°

Courbe 30°

Curva 30°

Curva 30°

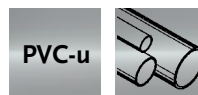
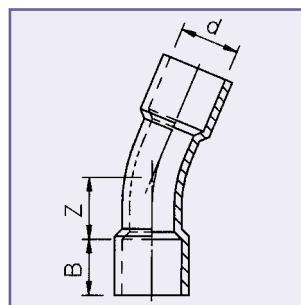


R = 2.5d

Art.code	d	Z	(= max. tol. +15%) B	PN	Quantity
1.17.063	63	48	43	10	90
1.17.090	90	65	58	10	30
1.17.110	110	79	70	12.5	15
1.17.125	125	92	79	12.5	10
1.17.140	140	106	87	12.5	7
1.17.160	160	122	99	12.5	5
1.17.200	200	147	122	12.5	1
1.17.225	225	155	137	12.5	1
1.17.250	250	195	151	12.5	1
1.17.280	280	213	168	12.5	1
1.17.315	315	240	188	12.5	1

## Bend 22.5°

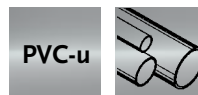
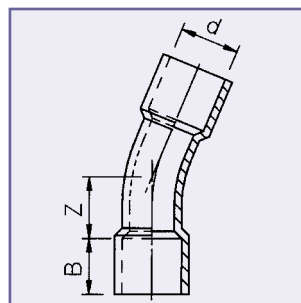
Bocht 22.5°  
 Bogen 22.5°  
 Courbe 22.5°  
 Curva 22.5°  
 Curva 22.5°



Art.code	d	Z	(= max. tol. +15%) B	PN	Quantity
1.19.090	90	48	58	10	30
1.19.110	110	64	70	12.5	15
1.19.125	125	75	79	12.5	10
1.19.140	140	81	87	12.5	7
1.19.160	160	92	99	12.5	5
1.19.200	200	127	122	12.5	1

## Bend 15°

Bocht 15°  
 Bogen 15°  
 Courbe 15°  
 Curva 15°  
 Curva 15°

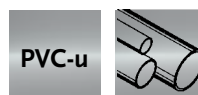
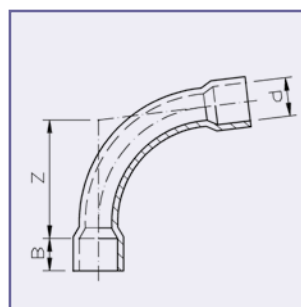


Art.code	d	Z	(= max. tol. +15%) B	PN	Quantity
1.14.090	90	37	59	10	25
1.14.110	110	46	70	12.5	15
1.14.125	125	53	79	12.5	10
1.14.140	140	60	87	12.5	7
1.14.160	160	70	99	12.5	6
1.14.200	200	87	122	12.5	1
1.14.225	225	98	136	12.5	1
1.14.250	250	106	151	12.5	1
1.14.280	280	116	168	12.5	1
1.14.315	315	128	188	12.5	1

## 4-D Radius Bend 83°(97°)

4-D Radius Bocht 83°(97°)  
 4-D Radius Bogen 83°(97°)  
 4-D Rayon Courbe 83°(97°)  
 4-D Raggio Curva 83°(97°)  
 4-D Radio Curva 83°(97°)

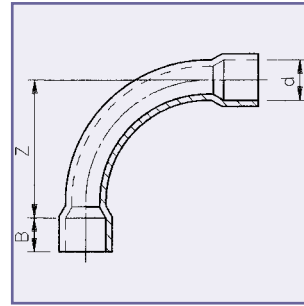
$R = 4d$



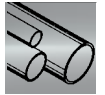
Art.code	d	Z	(= max. tol. +15%) B	PN	Quantity
1.02.063	63	227	50	10	30

## 4-D Radius Bend 90°

- 4-D Radius Bocht 90°
- 4-D Radius Bogen 90°
- 4-D Rayon Courbe 90°
- 4-D Raggio Curva 90°
- 4-D Radio Curva 90°



PVC-u



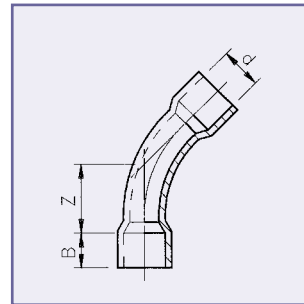
PVC-u metric

$R = 4d$

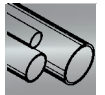
Art.code	d	Z	(= max. tol. +15%) B	PN	Quantity
1.03.063	63	256	50	10	30

## 4-D Radius Bend 45°

- 4-D Radius Bocht 45°
- 4-D Radius Bogen 45°
- 4-D Rayon Courbe 45°
- 4-D Raggio Curva 45°
- 4-D Radio Curva 45°



PVC-u

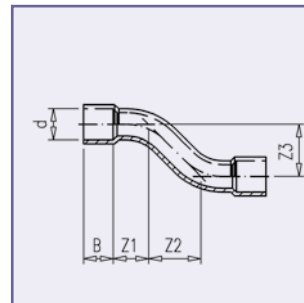


$R = 4d$

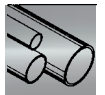
Art.code	d	Z	(= max. tol. +15%) B	PN	Quantity
1.13.063	63	159.5	50	10	50

## S-Bend

- S-Bocht
- S-Bogen
- Courbe en S
- Curva-S
- Curva-Pasamuro



PVC-u

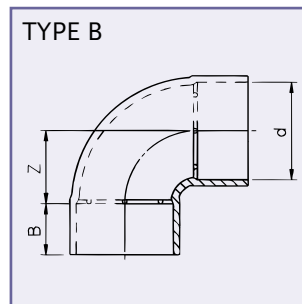
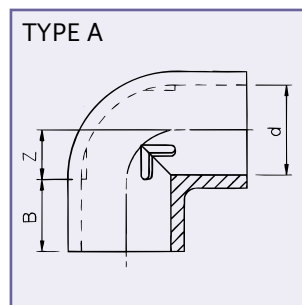


Art.code	d	(= max. tol. +15%) B	Z1	Z2	Z3	PN	Quantity
1.10.032	32	22	35	57	60	10	150
1.10.040	40	26	40	63	60	10	150
1.10.050	50	31	50	55	85	10	80



# Elbow 90°

- Knie 90°
- Winkel 90°
- Coude 90°
- Gomito 90°
- Codo 90°



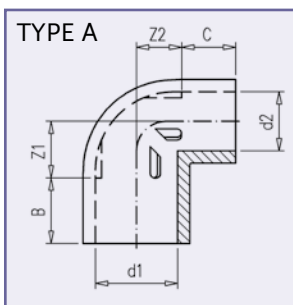
Type A  $R = 0,5 d$   
 Type B  $R = 0,75 d$

Art.code	d	Z	B	Type	PN	Quantity
2.25.010	10	6	12	A	16	250 (5x50)
2.25.012*	12	7	12	A	16	250 (5x50)
2.25.016*	16	9	15	A	16	250 (5x50)
2.25.020*	20	11.5	16	A	16	200 (4x50)
2.25.025*	25	14	20	A	16	350
2.25.032*	32	19	22	A	16	250
2.25.033	32	19	22	A	10	250
2.25.040*	40	22	26	A	16	175
2.25.041	40	22	26	A	10	175
2.25.050*	50	27.5	31	A	16	100
2.25.051	50	27.5	31	A	10	100
2.25.063*	63	33.5	38	A	16	50
2.25.064	63	33.5	38	A	10	55
2.25.075	75	39.5	44	A	16	30
2.25.076	75	39.5	44	A	10	30
2.25.090	90	47.5	51	A	16	17
2.25.091	90	45	51	A	10	17
2.25.110	110	57	61	A	16	12
2.25.111	110	55	61	A	10	12
2.25.125	125	63.5	69	A	16	6
2.25.140	140	71	76	A	16	5
2.25.160	160	83	87	A	16	2
2.25.200	200	106	107	A	10	1
2.25.225	225	118.5	120	A	10	1
2.25.250	250	131	132	A	10	1
2.25.280	280	210	147	B	10	1
2.25.315	315	237	165	B	10	1
2.25.400	400	300	207	B	6	1

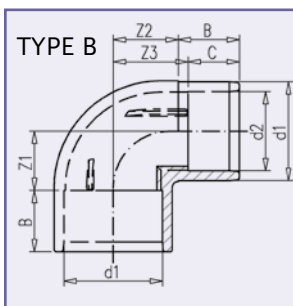
\* = kiwa norm PN 16

## Elbow 90°

Knie 90°  
Winkel 90°  
Coude 90°  
Gomito 90°  
Codo 90°



reducing  
verlopend  
reduzierent  
réduisant  
ridotto  
reducida



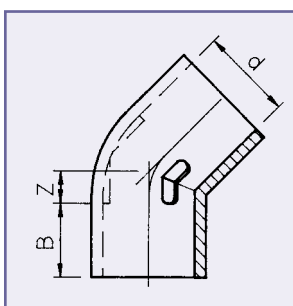
reducing  
verlopend  
reduzierent  
réduisant  
ridotto  
reducida

PVC-u metric

Art.code	d <sub>1</sub>	d <sub>2</sub>	Z <sub>1</sub>	Z <sub>2</sub>	Z <sub>3</sub>	B	C	Type	PN	Quantity
2.26.011	40	32	23	23	-	26	22	A	10	200
2.26.021	50	32	28	33	-	31	22	A	10	150
2.26.031	50	40	28	29	-	31	26	A	10	135
2.26.032	50	40	30	33	38	31	26	B	10	100
2.26.042	63	50	46	44	50	37.5	31	B	10	50

## Elbow 45°

Knie 45°  
Winkel 45°  
Coude 45°  
Gomito 45°  
Codo 45°

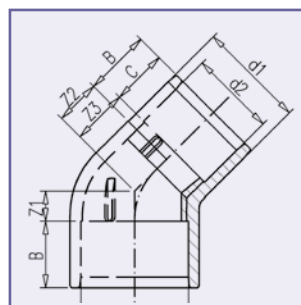


Art.code	d	Z	B	PN	Quantity
2.30.010	10	3	12	16	150 (3x50)
2.30.012*	12	3.5	12	16	150 (3x50)
2.30.016*	16	4.5	14	16	150 (3x50)
2.30.020*	20	5	16	16	150 (3x50)
2.30.025*	25	6	19	16	150
2.30.032*	32	7	22	16	300
2.30.040*	40	10	26	16	150
2.30.050*	50	12	31	16	75
2.30.051	50	12	31	10	100
2.30.063*	63	14	38	16	65
2.30.064	63	14	38	10	70
2.30.075	75	18	44	16	35
2.30.090	90	19	52	16	24
2.30.110	110	26	62	16	12
2.30.125	125	26.5	69	16	6
2.30.140	140	30	76	16	6
2.30.160	160	35	86	16	2
2.30.200	200	49	107	10	1
2.30.225	225	54	120	10	1
2.30.250	250	60	132	10	1
2.30.280	280	66	147	10	1
2.30.315	315	74	165	10	1
2.30.400	400	86.5	207	6	1

\* = kiwa norm PN 16

## Elbow 45°

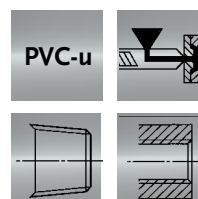
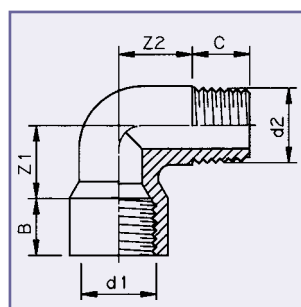
Knie 45°  
 Winkel 45°  
 Coude 45°  
 Gomito 45°  
 Codo 45°



Art.code	d1	d2	Z1	Z2	Z3	B	C	PN	Quantity
2.32.050	50	40	14	21	26	31	26	16	100
2.32.063	63	50	17.5	26.5	32.5	37.5	31.5	16	50

## Elbow 90°

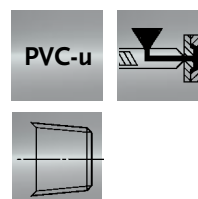
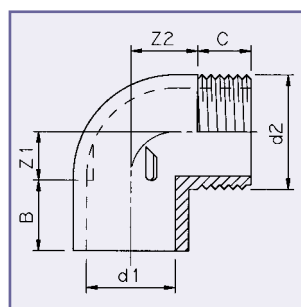
Knie 90°  
 Winkel 90°  
 Coude 90°  
 Gomito 90°  
 Codo 90°



Art.code	d1	d2	Z1	Z2	B	C	PN	Quantity
2.28.020	1/2" (F)	1/2" (M)	20.5	20.5	16	16	10	200
2.28.025	3/4" (F)	3/4" (M)	24.5	24.5	17	17	10	300
2.28.032	1" (F)	1" (M)	30	30	21	21	10	200

## Elbow 90°

Knie 90°  
 Winkel 90°  
 Coude 90°  
 Gomito 90°  
 Codo 90°



Art.code	d1	d2	Z1	Z2	B	C	PN	Quantity
2.29.010	20	3/4" (M)	11	17	16	16	16	200
2.29.020	25	1" (M)	17	20	19	19	16	350
2.29.030	32	3/4" (M)	21	29	22	19	10	250
2.29.040	32	1" (M)	21	30	22	19	10	250
2.29.051	32	1 1/4" (M)	17	24	22	21	10	250
2.29.061	40	1 1/4" (M)	23	28	26	21	10	200
2.29.071	40	1 1/2" (M)	23	28	26	21	10	175
2.29.081	50	1 1/4" (M)	28	34	31	21	10	150
2.29.091	50	1 1/2" (M)	28	34	31	21	10	125
2.29.101	50	2" (M)	28	34	31	26	10	100



# Elbow 90°

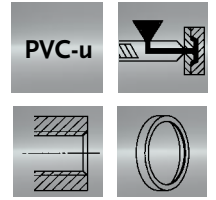
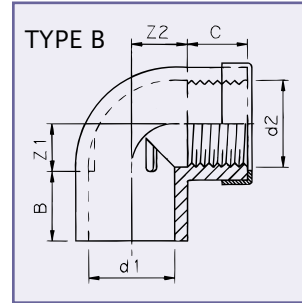
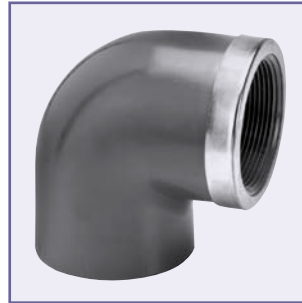
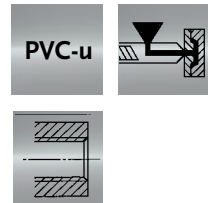
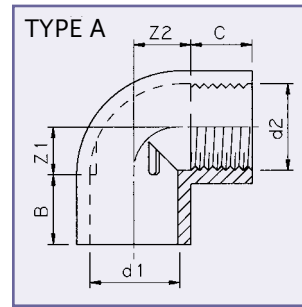
Knie 90°

Winkel 90°

Coude 90°

Gomito 90°

Codo 90°



PVC-u metric

Art.code	d1	d2	Z1	Z2	B	C	Type	PN	Quantity
2.35.016	16	3/8" (F)	9	11	14	12	A	10	200
2.40.016	16	3/8" (F)	11	11	14	12	B	16	50
2.35.020	20	1/2" (F)	11	15	16	16	A	10	200
2.40.020	20	1/2" (F)	11	15	17	16.5	B	16	50
2.35.025	25	3/4" (F)	13.5	15.5	19	17	A	10	300
2.40.025	25	3/4" (F)	13.5	15.5	20	16.5	B	16	50
2.35.032	32	1" (F)	17	18	22	21	A	10	100
2.40.032	32	1" (F)	17	18	22	21	B	16	50
2.35.040	40	1 1/4" (F)	21	24	26	23	A	10	100
2.40.040	40	1 1/4" (F)	21	24	26	23	B	16	50
2.35.050	50	1 1/2" (F)	28	32	31	27	A	10	100
2.40.050	50	1 1/2" (F)	28	32	31	27	B	16	50
2.35.063	63	2" (F)	34	41	38	31	A	10	50
2.40.063	63	2" (F)	34	41	38	31	B	16	25
2.40.075	75	2 1/2" (F)	39	47	44	36	B	10	30
2.40.090	90	3" (F)	46	58	51	39	B	10	17
2.40.110	110	4" (F)	56	78	61	39	B	10	12

# Tee 90°

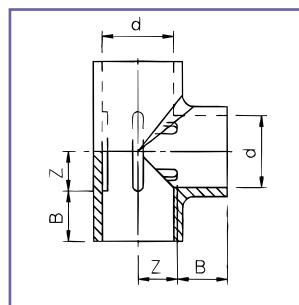
T-Stuk 90°

T-Stück 90°

Te 90°

Ti 90°

Te 90°



Art.code	d	Z	B	PN	Quantity
2.01.010	10	6	12	16	250 (5x50)
2.01.012*	12	7	12	16	250 (5x50)
2.01.016*	16	9.5	14	16	200 (4x50)
2.01.020*	20	11.5	16	16	100 (2x50)
2.01.025*	25	14.5	19	16	250
2.01.032*	32	17.5	22	16	225
2.01.033	32	17	22	10	250
2.01.040*	40	23.5	26	16	125
2.01.041	40	23	26	10	125
2.01.050*	50	27	32	16	75
2.01.051	50	27	32	10	75
2.01.063*	63	35	38	16	38
2.01.064	63	34	38	10	38
2.01.075	75	40	44	16	24
2.01.076	75	40	44	10	24
2.01.090	90	48.5	51	16	14
2.01.091	90	48.5	51	10	14
2.01.110	110	59	61	16	7
2.01.111	110	59	61	10	7
2.01.125	125	66	69	16	4
2.01.140	140	73.5	76	16	3
2.01.160	160	85.5	86	16	2
2.01.200	200	106.5	107	10	1
2.01.225	225	118.5	120	10	1
2.01.250	250	131	132	10	1
2.01.280	280	152	146	10	1
2.01.315	315	168	164	10	1
2.01.400	400	214	206	6	1

\* = kiwa norm PN 16

# Tee 90°

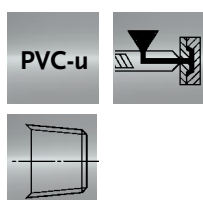
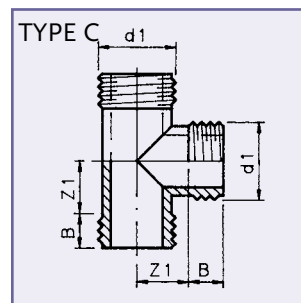
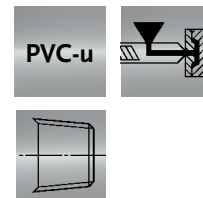
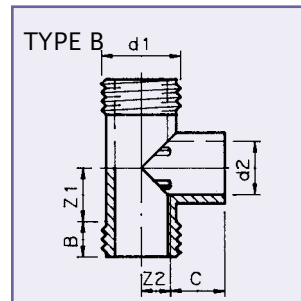
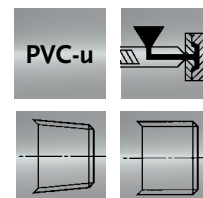
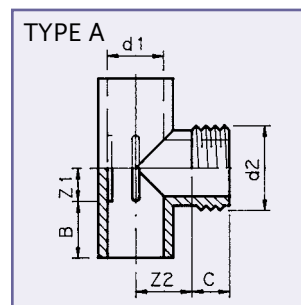
T-Stuk 90°

T-Stück 90°

Te 90°

Ti 90°

Te 90°



PVC-u metric

Art.code	d1	d2	Z1	Z2	B	C	Type	PN	Quantity
2.05.015	20	3/4" (M)	11	17	16	17	A	16	250
2.05.020	25	3/4" (M)	14	20	19	17	A	16	300
2.05.025	25	1" (M)	14	20	19	19	A	16	250
2.05.030	32	3/4" (M)	17	23	22	17	A	16	200
2.05.035	32	1" (M)	17	23	22	19	A	16	200
2.05.041	1" (M)	32	31	20	19	22	B	10	250
2.05.046	32	1 1/4" (M)	17	23	22	19	A	10	225
2.05.051	1 1/4" (M)	32	26	17	21	22	B	10	175
2.05.056	1 1/4" (M)	-	26	-	21	-	C	10	175
2.05.060	40	1" (M)	23	27	26	19	A	16	125
2.05.066	40	1 1/4" (M)	23	27	26	21	A	10	140
2.05.067	1 1/4" (M)	40	27	23	21	26	B	10	150
2.05.071	40	1 1/2" (M)	23	27	26	21	A	10	130
2.05.075	50	1" (M)	28	33	31	19	A	16	90
2.05.081	50	1 1/4" (M)	28	33	31	21	A	10	90
2.05.086	50	1 1/2" (M)	28	33	31	21	A	10	90
2.05.090*	63	1" (M)	34	42	38	19	A	16	50
2.05.095*	63	1 1/4" (M)	34	42	38	21	A	16	45
2.05.100*	63	1 1/2" (M)	34	42	38	21	A	16	40
2.05.105*	63	2" (M)	34	42	38	26	A	16	40
2.05.110*	75	1 1/4" (M)	40	50	44	21	A	16	30
2.05.115*	75	1 1/2" (M)	40	50	44	21	A	16	30
2.05.120*	75	2" (M)	40	50	44	26	A	16	28

\* Straight threaded

Rechte schroefdraad

Geradem gewinde

Filetage droit

Filetto diritto

Recto rosca

# Reducing Tee 90°

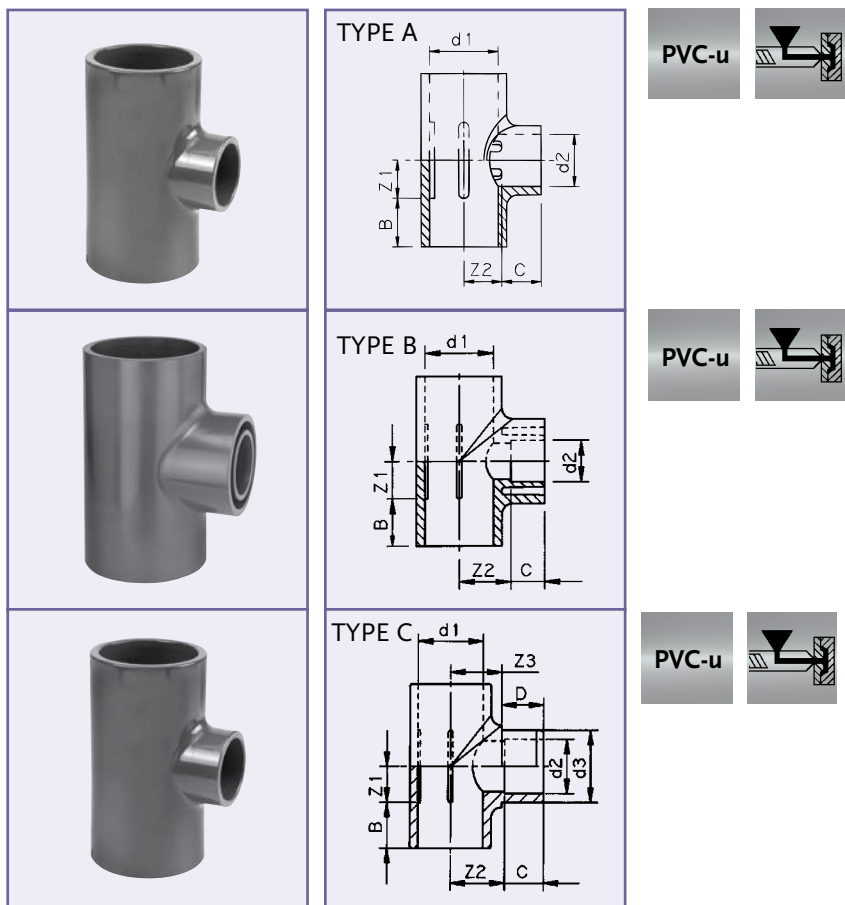
T-Stuk Verlopend 90°

T-Stück reduzierend 90°

Te réduit 90°

Ti ridotto 90°

Te reducida 90°



Art.code	d1	d2	d3	Z1	Z2	Z3	B	C	D	Type	PN	Quantity
2.03.005	25	16		14.5	14		19	14		A	16	300
2.03.010	25	20		14	15.5		19	16		A	16	300
2.03.013	32	16		17	17		22	14		A	16	200
2.03.015	32	20		17	19		22	16		A	16	250
2.03.020	32	25		17	19		22	19		A	16	200
2.03.022	40	16		23	24		26	14		A	16	150
2.03.023	40	20		23	23		26	16		A	16	150
2.03.025	40	25		23	23		26	19		A	16	140
2.03.031	40	32		23	24		26	22		A	10	140
2.03.032	40	32		23	23		26	22		A	16	140
2.03.033	50	20		28	30.5		31	16		A	16	100
2.03.035	50	25		28	29.5		31	19		A	16	100
2.03.041	50	32		28	28.5		31	22		A	10	90
2.03.042	50	32		28	28.5		31	22		A	16	90
2.03.046	50	40		28	29		31	26		A	10	90
2.03.047	50	40	50	28	38	33	31	26	31	C	10	75
2.03.048	50	40		28	28.5		31	26		A	16	90
2.03.049	63	20		34	37		38	16		A	16	50
2.03.050	63	25		33.5	34		38	19		A	16	50
2.03.055	63	32		34.5	36		38	22		A	16	50
2.03.060	63	40		32.5	32.5		38	26		A	16	45
2.03.063	63	40	50	34.5	46.5	41	38	26	31	C	16	40
2.03.065	63	50		33.5	34		38	31		A	16	40
2.03.070	75	32		40	43		44	22		A	16	30
2.03.075	75	40		40	40.5		44	26		A	16	30
2.03.080	75	50		40	40.5		44	31		A	16	28
2.03.085	75	63		40	40.5		44	38		A	16	25
2.03.090	90	32		46	55		51	22		A	16	17
2.03.094	90	40		46	60		51	26		A	16	17
2.03.095	90	50		46	55		51	31		A	16	17
2.03.097	90	63		46	55		51	38		A	16	15
2.03.100	90	75		46	55		51	44		A	16	14
2.03.105	110	32		56	66.5		61	22		A	16	9

## Reducing Tee 90°

T-Stuk Verlopend 90°

T-Stück reduzierend 90°

Te réduit 90°

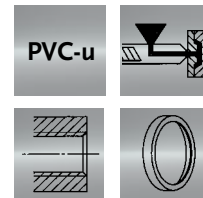
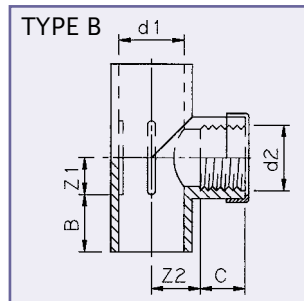
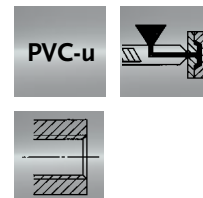
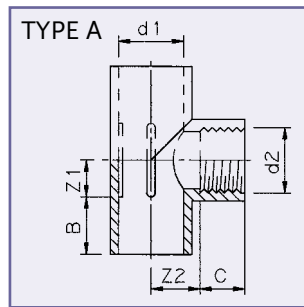
Ti ridotto 90°

Te reducida 90°

Art.code	d1	d2	d3	Z1	Z2	Z3	B	C	D	Type	PN	Quantity
2.03.107	110	40		56	72		61	26		A	16	9
2.03.110	110	50		56	66.5		61	31		A	16	9
2.03.111	110	63		56	65		61	38		A	16	9
2.03.112	110	75		56	65		61	44		A	16	8
2.03.115	110	90		56	65		61	51		A	16	8
2.03.120	125	50		64	75		69	31		A	16	4
2.03.123	125	63		64	87		69	38		B	16	4
2.03.124	125	75		64	81		69	44		B	16	4
2.03.125	125	90		64	75		69	51		A	16	4
2.03.126	125	110		66.5	74		69	61		B	16	4
2.03.130	140	50		71.5	82		76	31		A	16	4
2.03.135	140	75		71.5	78		76	44		A	16	4
2.03.137	140	90		71.5	81		76	51		B	16	4
2.03.140	140	110		71.5	73.5		76	61		A	16	4
2.03.153	160	75		81	98		86	44		B	16	2
2.03.154	160	90		81	91		86	51		B	16	2
2.03.155	160	110		81	81		86	61		A	16	3
2.03.156	160	125		81	100		86	69		B	16	2
2.03.165	200	110		106	131		107	61		B	10	1
2.03.170	200	160		106	106		107	86		A	10	1
2.03.185	225	110		119	143		120	61		B	10	1
2.03.190	225	160		119	119		120	86		A	10	1
2.03.205	250	160		131	151		132	86		B	10	1
2.03.210	250	200		131	131		132	106		A	10	1
2.03.225	280	160		120	180		146	86		B	10	1
2.03.230	280	225		120	149		146	119		A	10	1
2.03.245	315	160		120	197		164	86		B	10	1
2.03.250	315	225		120	165		164	119		A	10	1
2.03.265	400	225		163	258		206	119		B	6	1
2.03.270	400	315		163	213		206	164		A	6	1

# Tee 90°

- T-Stuk 90°
- T-Stück 90°
- Te 90°
- Ti 90°
- Te 90°



Art.code	d1	d2	Z1	Z2	B	C	Type	PN	Quantity
2.07.016	16	3/8" (F)	9	11	14	12	A	10	100
2.07.017	16	3/8" (F)	9	11	14	12	B	16	50
2.07.020	20	1/2" (F)	11	12	16	16	A	10	100
2.07.021	20	1/2" (F)	11	12	16	16	B	16	50
2.07.023	25	1/2" (F)	14	14	19	16	A	10	200
2.07.024	25	1/2" (F)	14	14	19	16	B	16	50
2.07.025	25	3/4" (F)	14	16	19	17	A	10	200
2.07.026	25	3/4" (F)	14	16	19	17	B	16	50
2.07.028	32	1/2" (F)	17	17	22	16	A	10	100
2.07.029	32	1/2" (F)	17	17	22	16	B	16	50
2.07.032	32	1" (F)	17	19	22	20	A	10	100
2.07.033	32	1" (F)	17	19	22	20	B	16	50
2.07.040	40	1 1/4" (F)	21	25	26	22	A	10	100
2.07.041	40	1 1/4" (F)	21	25	26	22	B	16	50
2.07.050	50	1 1/2" (F)	26	35	31	22	A	10	50
2.07.051	50	1 1/2" (F)	26	35	31	22	B	16	50
2.07.063	63	2" (F)	32.5	41.5	38	29	A	10	25
2.07.064	63	2" (F)	32.5	41.5	38	29	B	16	25
2.07.076	75	2 1/2" (F)	38.5	48.5	44	34	B	10	18
2.07.091	90	3" (F)	46	56	51	41	B	10	10
2.07.111	110	4" (F)	56	77	61	41	B	10	7



## Tee 45°

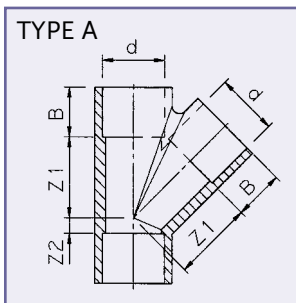
T-Stuk 45°

T-Stück 45°

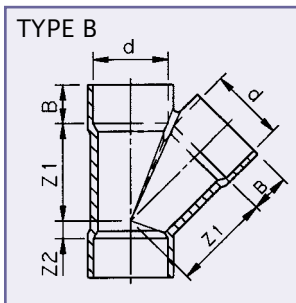
Te 45°

Ti 45°

Te 45°



PVC-u metric



Art.code	d	Z1	Z2	B	Type	PN	Quantity
2.08.010	10	18	4	12	A	16	150
2.08.012	12	21	4	12	A	16	150
2.08.016	16	25	5	14	A	16	150
2.08.020	20	29.5	6	17	A	16	150
2.08.025	25	35.5	7.5	19	A	16	150
2.08.032	32	44.5	9	23	A	16	100
2.08.040	40	56	10	27	A	16	75
2.08.050	50	69	12	32	A	16	40
2.08.063	63	86	14	38	A	10	30
2.08.075	75	102	17	44	A	10	16
2.08.090	90	121	20	51	A	10	9
2.08.111	110	159	32	61	B	10	3
2.08.125	125	167	30	69	A	10	3
2.08.140	140	190	34	76	A	10	2
2.08.161	160	213	41	86	B	10	2
2.08.200	200	266	49	107	B	6	1
2.08.225	225	297	55	120	B	6	1
2.08.250	250	330	60	132	B	6	1

## Y-Elbow

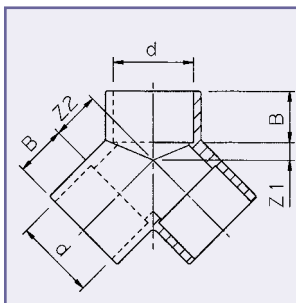
Y-Stuk

Y-Winkel

Y-Coude

Gomito a y

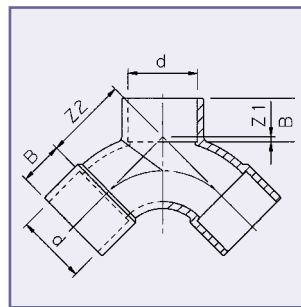
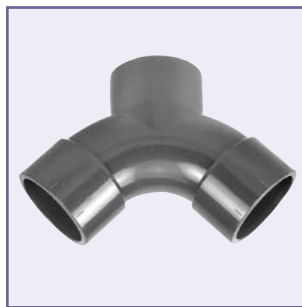
Y Griega



Art.code	d	Z1	Z2	B	PN	Quantity
2.09.050	50	12	31	31	16	70
2.09.063	63	15	37	38	16	35
2.09.075	75	17	43	44	16	20

## Y-Bend

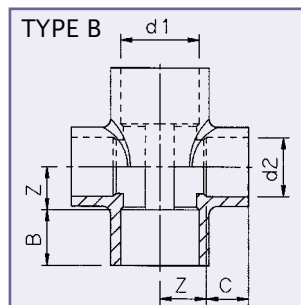
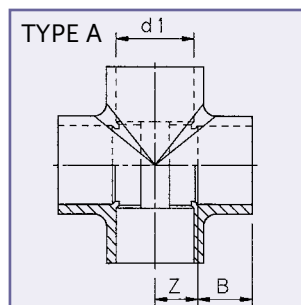
Stroom Y-Stuk  
 Y-Bogen  
 Y-Courbe  
 Curva a y  
 Y curva con injerto



Art.code	d	Z1	Z2	B		PN	Quantity
2.09.051	50	-3	62	31		16	55
2.09.064	63	-3	77	38		10	25

## Cross

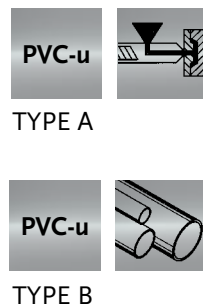
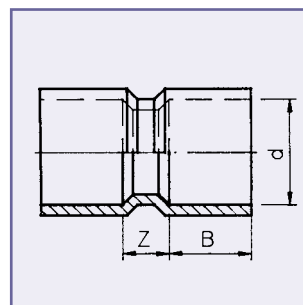
Kruisstuk  
 Kreuzstück  
 Croix  
 Croce  
 Cruz



Art.code	d1	d2	Z	B	C	Type	PN	Quantity
2.50.010	10	-	6.5	12	-	A	16	150 (3x50)
2.50.012	12	-	7.5	12	-	A	16	150 (3x50)
2.50.016	16	-	9.5	14	-	A	16	150 (3x50)
2.50.020	20	-	11.0	16	-	A	16	100 (2x50)
2.50.025	25	-	13.5	19	-	A	16	150
2.50.032	32	-	17.0	22	-	A	16	150
2.50.039	40	32	21.0	26	22	B	16	100
2.50.040	40	-	21.0	26	-	A	16	90
2.50.049	50	32	28.0	31	22	B	16	70
2.50.050	50	-	26.0	31	-	A	16	54
2.50.063	63	-	34	38	-	A	16	25
2.50.075	75	-	40	44	-	A	10	16
2.50.090	90	-	48	51	-	A	10	10
2.50.110	110	-	59	61	-	A	10	5

# Socket

- Sok
- Muffe
- Manchon
- Manicotto
- Manguito enchufe

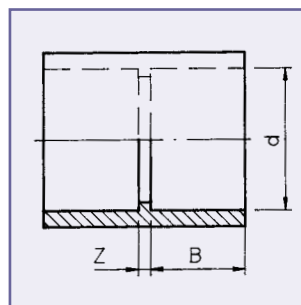
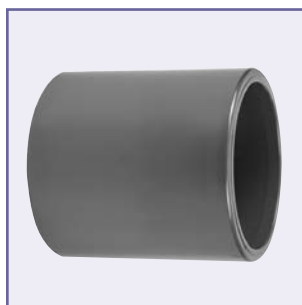


PVC-u metric

Art.code	d	Z	(= max. tol. +15%) B	Type	PN	Quantity
1.20.025	25	9	20	A	10	450
1.20.032	32	12	23	A	10	400
1.20.040	40	12	27	A	10	300
1.20.050	50	12	33	A	10	250
1.20.063	63	18	40	A	10	125
1.20.075	75	19	46	A	10	100
1.20.090	90	22	53	A	10	56
1.23.090	90	32	53	B	16	56
1.20.110	110	19	64	A	10	33
1.23.110	110	41	64	B	16	25
1.20.125	125	36	72	B	7.5	22
1.23.125	125	47	72	B	16	16
1.20.140	140	46	80	B	7.5	10
1.23.140	140	60	80	B	16	10
1.20.160	160	46	90	B	7.5	10
1.23.160	160	60	90	B	16	10
1.20.200	200	48	111	B	7.5	9
1.23.200	200	63	111	B	12.5	1
1.20.225	225	65	125	B	7.5	1
1.23.225	225	74	125	B	12.5	1
1.20.250	250	68	137	B	7.5	1
1.23.250	250	85	137	B	10	1
1.23.280	280	100	153	B	10	1
1.20.315	315	75	172	B	7.5	1
1.23.315	315	90	172	B	10	1
1.20.355	355	125	193	B	6	1
1.20.400	400	140	216	B	6	1

## Socket

- Sok
- Muffe
- Manchon
- Manicotto
- Manguito enchufe



Art.code	d	Z	B	PN	Quantity
3.90.010	10	3	12	16	300 (6x50)
3.90.012*	12	3	12	16	300 (6x50)
3.90.016*	16	3	14	16	300 (6x50)
3.90.020*	20	3	16	16	300 (6x50)
3.90.025*	25	3	19	16	200
3.90.032*	32	3	22	16	300
3.90.040*	40	5	26	16	200
3.90.050*	50	5	31	16	200
3.90.063*	63	3	38	16	100
3.90.075	75	4	44	16	65
3.90.090	90	5	51	16	36
3.90.110	110	9	61	16	24
3.90.125	125	7	69	16	12
3.90.140	140	8	76	16	10
3.90.160	160	8	86	16	8
3.90.200	200	10	106	10	1
3.90.225	225	10	119	10	1
3.90.250	250	16	134	10	1
3.90.280	280	16	149	10	1
3.90.315	315	16	166	10	1

3.90.355 ref. 1.20.355 pag. 33  
 3.90.400 ref. 1.20.400 pag. 33

\* = kiwa norm PN 16

## Reducing socket

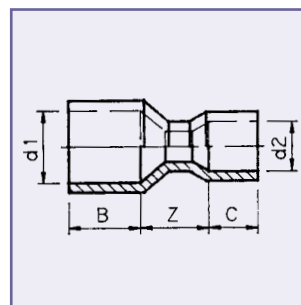
Verloopsok

Reduktionsmuffe

Manchon réduit

Manicotto di riduzione

Manguito de reducción



PVC-u

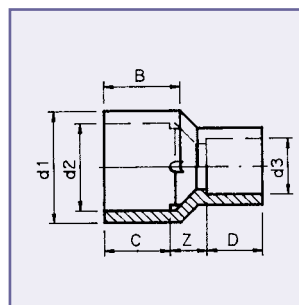


PVC-u metric

Art.code	d1	d2	Z	(= max. tol. +15%) B	(= max. tol. +15%) C	PN	Quantity
1.30.030	63	50	32	40	33	12.5	150
1.30.035	75	50	37	46	33	7.5	100
1.30.040	75	63	33	46	40	12.5	100
1.30.045	90	50	35	53	33	12.5	50
1.30.050	90	63	55	53	40	10	50
1.30.055	90	75	40	53	46	12.5	72
1.30.060	110	75	65	64	46	7.5	50
1.30.065	110	90	60	64	53	12.5	45
1.30.070	125	90	70	72	53	10	24
1.30.075	125	110	60	72	64	10	24
1.30.078	140	110	55	80	64	6	15
1.30.079	140	125	65	80	72	10	12
1.30.080	160	110	95	90	64	6	12
1.30.085	160	125	80	90	72	10	12
1.30.087	160	140	70	90	80	10	8
1.30.090	200	125	120	111	72	6	6
1.30.092	200	140	115	111	80	6	8
1.30.095	200	160	100	111	90	10	8
1.30.096	225	160	125	125	90	6	1
1.30.097	225	200	80	125	111	10	1
1.30.100	250	200	115	137	111	10	1
1.30.103	250	225	90	137	125	10	1
1.30.110	280	225	140	153	125	6	1
1.30.113	280	250	115	153	137	10	1
1.30.117	315	225	155	172	125	6	1
1.30.120	315	250	200	172	137	6	1
1.30.123	315	280	175	172	153	10	1
1.30.125	355	315	175	193	172	6	1
1.30.130	400	315	165	216	172	6	1
1.30.132	400	355	155	216	193	6	1

## Reducing socket insert

Verloopsokinzet  
 Reduktionsmuffe Einsatz  
 Manchon reduit M/F  
 Riduzione inserire  
 Reducción concéntrica



Art.code	d1	d2	d3	Z	B	C	D	PN	Quantity
3.92.010	10	6	8	2	12	12	12	16	250
3.92.012	12	8	10	2	12	12	12	16	250
3.92.016	16	12	8	6	14	12	12	16	250
3.92.017	16	12	10	6	14	12	12	16	250
3.92.020	20	16	10	6	16	14	12	16	250
3.92.021	20	16	12	6	16	14	12	16	250
3.92.025	25	20	12	9	19	16	12	16	125
3.92.026	25	20	16	7	19	16	14	16	125
3.92.032	32	25	16	9.5	22	19	14	16	125
3.92.033	32	25	20	7.5	22	19	16	16	125
3.92.040	40	32	16	14	26	22	14	16	125
3.92.041	40	32	20	12	26	22	16	16	125
3.92.042	40	32	25	9	26	22	19	16	125
3.92.050	50	40	20	17	31	26	16	16	75
3.92.051	50	40	25	14	31	26	19	16	75
3.92.052	50	40	32	11	31	26	22	16	75
3.92.053	50	40	40	4	31	26	26	16	75
3.92.063	63	50	25	20	38	31	19	16	75
3.92.064	63	50	32	17	38	31	22	16	75
3.92.065	63	50	40	13	38	31	26	16	75
3.92.066	63	50	50	4	38	31	31	16	75
3.92.075	75	63	32	23	44	38	22	16	75
3.92.076	75	63	40	19	44	38	26	16	75
3.92.077	75	63	50	14	44	38	31	16	75
3.92.090	90	75	40	25	51	44	26	16	60
3.92.091	90	75	50	20	51	44	31	16	75
3.92.092	90	75	63	13	51	44	38	16	50
3.92.110	110	90	50	30	61	51	31	16	30
3.92.111	110	90	63	23	61	51	38	16	30
3.92.112	110	90	75	17	61	51	44	16	36
3.92.124	125	110	50	39	69	61	31	16	24
3.92.125	125	110	63	32	69	61	38	16	24
3.92.126	125	110	75	26	69	61	44	16	24
3.92.127	125	110	90	19	69	61	51	16	24
3.92.140	140	125	75	33	76	69	44	16	24
3.92.141	140	125	90	26	76	69	51	16	24
3.92.142	140	125	110	16	76	69	61	16	14
3.92.160	160	140	90	40	86	76	51	16	15
3.92.161	160	140	110	30	86	76	61	16	15
3.92.162	160	140	125	22	86	76	69	16	10
3.93.160	-	160	90	53.5	-	87	51	16	8
3.93.161	-	160	110	43.5	-	87	61	16	8
3.93.162	-	160	125	35.5	-	87	69	16	8
3.93.201	-	200	125	60	-	107	69	10	2
3.93.203	-	200	160	45	-	107	87	10	2
3.93.226	-	225	160	55	-	119	87	10	1
3.93.227	-	225	200	36	-	119	107	10	1
3.93.253	-	250	200	52	-	132	107	10	1



## Grooved Transition socket

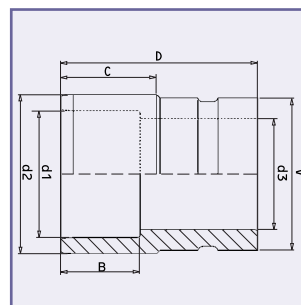
Overgangssok

Übergangs Muffe

Manchon de transition

Manicotto di transizione

Manguito de transition



PVC-u



PVC-u metric

For connection to Victaulic® grooved products\*\*

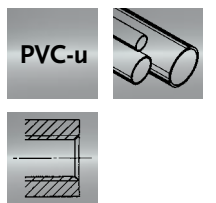
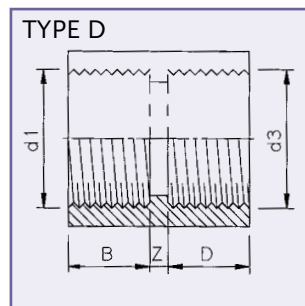
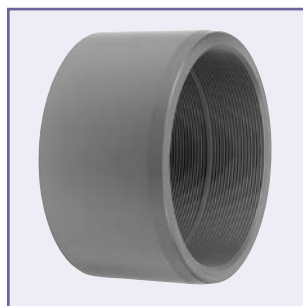
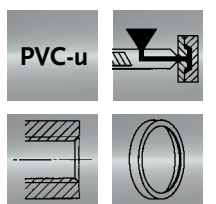
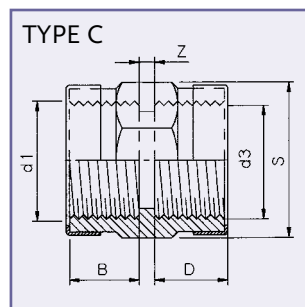
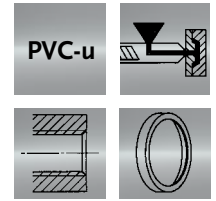
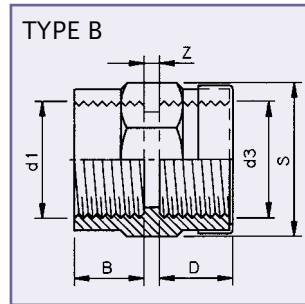
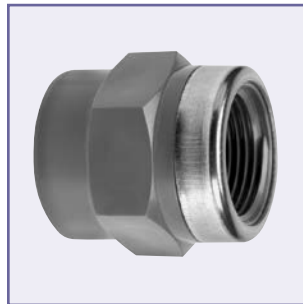
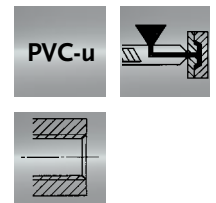
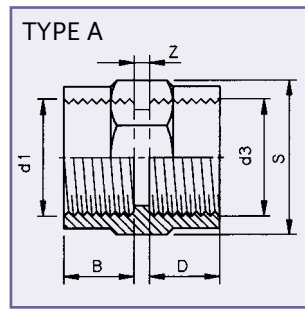
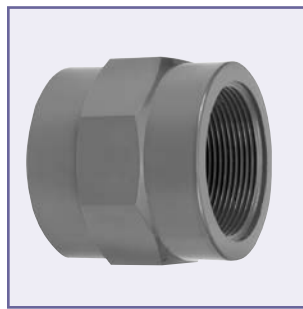
Art.code	d1	d2	V	d3	B	C	D	PN	Quantity
3.95.040*	32	40	1 1/4" V = 42.4	30	22.5	26.5	66	10	50
3.95.050	40	50	1 1/2" V = 48.3	38.5	26	31	71	10	50
3.95.063	50	63	2" V = 60.3	44	31	38	78	10	50
3.95.075	63	75	2 1/2" V = 73.0	58	38	44	84	10	50

\*Made from pipe

Victaulic® is a registered trademark of Victaulic Company

# Adaptor socket

- Draadsok
- Schraubmuffe
- Manchon taraudé
- Manicotto
- Manguito transición



Art.code	d1	d3	Z	B	D	S	Type	PN	Quantity
3.26.010	1/4" (F)	1/4" (F)	2	12	12	24	A	16	100
3.26.012	1/4" (F)	3/8" (F)	5	12	12	27	A	10	100
3.26.013	1/4" (F)	3/8" (F)	5	12	12	27	B	16	50
3.26.015	3/8" (F)	3/8" (F)	5	12	12	27	A	10	100
3.26.016	3/8" (F)	3/8" (F)	5	12	12	27	C	16	50
3.26.017	3/8" (F)	1/2" (F)	6	12	15	32	A	10	100
3.26.018	3/8" (F)	1/2" (F)	6	12	15	32	B	16	50
3.26.019	1/4" (F)	1/2" (F)	6	12	15	32	A	10	50
3.26.019.1	1/4" (F)	1/2" (F)	6	12	15	32	B	16	50
3.26.020	1/2" (F)	1/2" (F)	3	15	15	32	A	10	100
3.26.021	1/2" (F)	1/2" (F)	3	15	15	32	C	16	50
3.26.021.1	3/8" (F)	3/4" (F)	11	12	16	36	A	10	50
3.26.021.2	3/8" (F)	3/4" (F)	11	12	16	36	B	16	50
3.26.022	1/2" (F)	3/4" (F)	8	15	16	36	A	10	100
3.26.023	1/2" (F)	3/4" (F)	8	15	16	36	B	16	50
3.26.025	3/4" (F)	3/4" (F)	7	16	16	36	A	10	100
3.26.026	3/4" (F)	3/4" (F)	7	16	16	36	C	16	50
3.26.027	1/2" (F)	1" (F)	6	15	22	46	A	10	100
3.26.027.1	1/2" (F)	1" (F)	6	15	22	46	C	16	50
3.26.028	3/4" (F)	1" (F)	7	16	22	46	A	10	100

## Adaptor socket

Draadsok

Schraubmuffe

Manchon taraudé

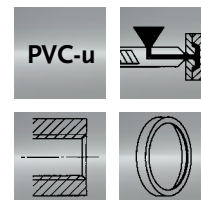
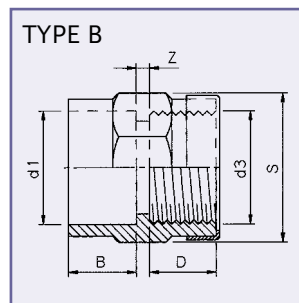
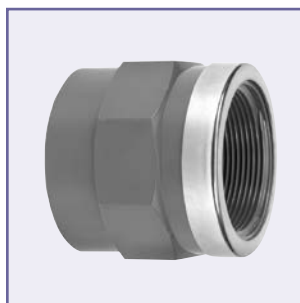
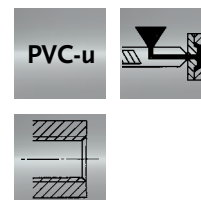
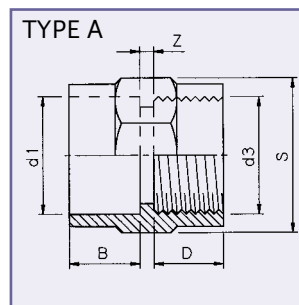
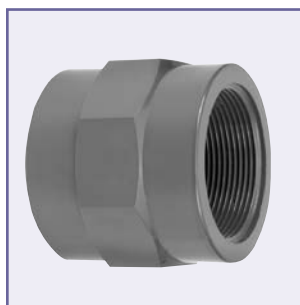
Manicotto

Manguito transición

Art.code	d1	d3	Z	B	D	S	Type	PN	Quantity
3.26.029	3/4" (F)	1" (F)	7	16	22	46	C	16	75
3.26.030	1" (F)	1" (F)	3	22	22	46	A	10	100
3.26.031	1" (F)	1" (F)	3	22	22	46	C	16	50
3.26.032	3/4" (F)	1 1/4" (F)	9	16	23	55	A	10	150
3.26.032.1	3/4" (F)	1 1/4" (F)	9	16	23	55	C	16	50
3.26.033	1" (F)	1 1/4" (F)	7	22	23	55	A	10	150
3.26.034	1" (F)	1 1/4" (F)	7	22	23	55	C	16	50
3.26.035	1 1/4" (F)	1 1/4" (F)	6	23	23	55	A	10	100
3.26.036	1 1/4" (F)	1 1/4" (F)	6	23	23	55	C	16	50
3.26.037	1" (F)	1 1/2" (F)	8	22	25	66	A	10	100
3.26.037.1	1" (F)	1 1/2" (F)	8	22	25	66	C	16	75
3.26.038	1 1/4" (F)	1 1/2" (F)	10	23	25	66	A	10	100
3.26.039	1 1/4" (F)	1 1/2" (F)	10	23	25	66	C	16	75
3.26.040	1 1/2" (F)	1 1/2" (F)	10	25	25	66	A	10	100
3.26.041	1 1/2" (F)	1 1/2" (F)	10	25	25	66	C	16	50
3.26.042	1 1/4" (F)	2" (F)	13	23	28	80	A	10	60
3.26.042.1	1 1/4" (F)	2" (F)	13	23	28	80	C	16	50
3.26.043	1 1/2" (F)	2" (F)	12	25	28	80	A	10	50
3.26.044	1 1/2" (F)	2" (F)	12	25	28	80	C	16	50
3.26.045	2" (F)	2" (F)	12	28	28	80	A	10	25
3.26.046	2" (F)	2" (F)	12	28	28	80	C	16	25
3.26.049	1 1/2" (F)	2 1/2" (F)	18	23	31	94	C	10	25
3.26.050	2" (F)	2 1/2" (F)	16	28	31	94	C	10	25
3.26.051	2 1/2" (F)	2 1/2" (F)	16	31	31	94	C	10	40
3.26.066	3" (F)	3" (F)	15	36	36	114	C	10	25
3.26.071	4" (F)	4" (F)	15	45	45	137	C	10	15
1.25.055	5" (F)	5" (F)	16	38	38	-	D	10	10
1.25.060	6" (F)	6" (F)	16	48	48	-	D	10	10

## Adaptor socket

Draadsok  
 Schraubmuffe  
 Manchon taraudé  
 Manicotto  
 Manguito transición



Art.code	d1	d3	Z	B	D	S	Type	PN	Quantity
3.25.010	12	1/4" (F)	2	12	12	24	A	16	100
3.25.013	16	1/4" (F)	3	14	12	27	A	16	100
3.25.015	16	3/8" (F)	3	14	12	27	A	10	100
3.25.016	16	3/8" (F)	3	14	12	27	B	16	50
3.25.017	20	1/4" (F)	5	16	12	32	A	16	50
3.25.018	20	3/8" (F)	5	16	12	32	A	16	100
3.25.020	20	1/2" (F)	2	16	15	32	A	10	100
3.25.021	20	1/2" (F)	2	16	15	32	B	16	50
3.25.026	25	1/2" (F)	5	19	15	36	A	16	100
3.25.028	25	3/8" (F)	8	19	12	36	A	16	50
3.25.030	25	3/4" (F)	4	19	16	36	A	10	100
3.25.031	25	3/4" (F)	4	19	16	36	B	16	50
3.25.036	32	1/2" (F)	5	22	15	46	A	16	100
3.25.041	32	3/4" (F)	9	22	16	46	A	16	100
3.25.045	32	1" (F)	3	22	22	46	A	10	100
3.25.046	32	1" (F)	3	22	22	46	B	16	50
3.25.048	40	3/4" (F)	6	26	16	55	A	10	150
3.25.049	40	3/4" (F)	6	26	16	55	B	16	50
3.25.051	40	1" (F)	4	26	22	55	A	16	100
3.25.055	40	1 1/4" (F)	3	26	23	55	A	10	100
3.25.056	40	1 1/4" (F)	3	26	23	55	B	16	50
3.25.058	50	1" (F)	2	31	22	66	A	10	100
3.25.059	50	1" (F)	2	31	22	66	B	16	75
3.25.061	50	1 1/4" (F)	4	31	23	66	A	16	100
3.25.065	50	1 1/2" (F)	2	31	25	66	A	10	100
3.25.066	50	1 1/2" (F)	2	31	25	66	B	16	50
3.25.067	63	1 1/4" (F)	3	38	23	80	A	10	50
3.25.067.1	63	1 1/4" (F)	3	38	23	80	B	16	50
3.25.069	63	1 1/2" (F)	7	38	25	80	A	16	50
3.25.070	63	2" (F)	3	38	27	80	A	10	50
3.25.071	63	2" (F)	3	38	27	80	B	16	25
3.25.076	75	1 1/2" (F)	5	44	23	94	A	10	40
3.25.077	75	1 1/2" (F)	5	44	23	94	B	16	40
3.25.078	75	2" (F)	4	44	27	94	A	10	45
3.25.079	75	2" (F)	4	44	27	94	B	16	35
3.25.081	75	2 1/2" (F)	4	44	31	94	B	10	25
3.25.091	90	3" (F)	3	51	36	114	B	10	24
3.25.101	110	4" (F)	5	56	45	137	B	10	15

## Adaptor socket

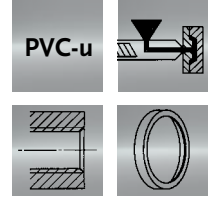
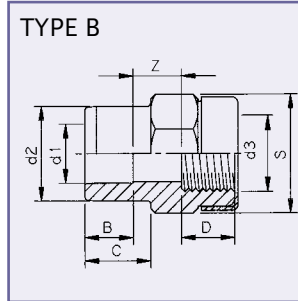
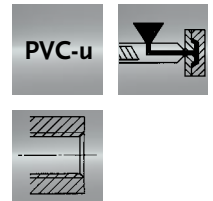
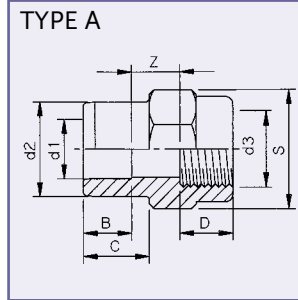
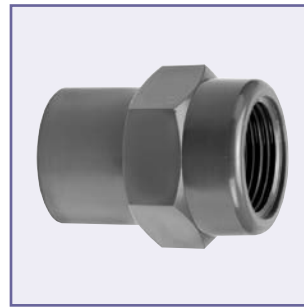
Draadsok

Schraubmuffe

Manchon taraudé

Manicotto

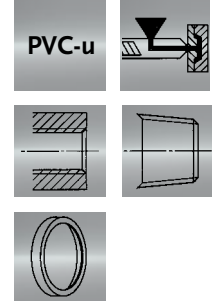
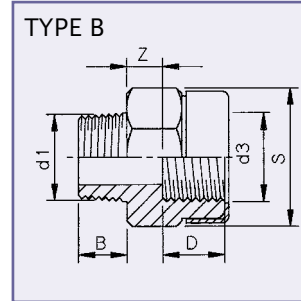
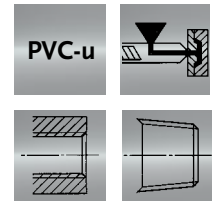
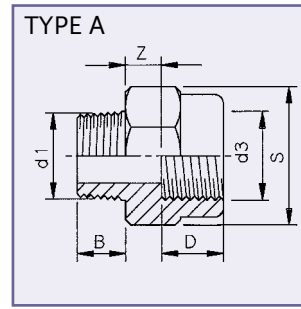
Manguito transición



Art.code	d1	d2	d3	Z	B	C	D	S	Type	PN	Quantity
3.27.010	10	16	1/4" (F)	9	12	14	12	24	A	16	100
3.27.015	12	16	3/8" (F)	11	12	14	12	27	A	10	100
3.27.016	12	16	3/8" (F)	11	12	14	12	27	B	16	50
3.27.017	-	20	1/2" (F)	-	-	16	15	32	A	10	100
3.27.018	-	20	1/2" (F)	-	-	16	15	32	B	16	50
3.27.020	16	25	1/2" (F)	13.5	14	19	15	32	A	10	100
3.27.021	16	25	1/2" (F)	13.5	14	19	15	32	B	16	50
3.27.025	20	32	3/4" (F)	17	16	22	16	36	A	10	100
3.27.026	20	32	3/4" (F)	17	16	22	16	36	B	16	50
3.27.032	25	32	1" (F)	15.5	19	22	22	46	A	10	200
3.27.033	25	32	1" (F)	15.5	19	22	22	46	B	16	75
3.27.040	32	40	1 1/4" (F)	17	23	26	23	55	A	10	100
3.27.041	32	40	1 1/4" (F)	17	23	26	23	55	B	16	100
3.27.050	40	50	1 1/2" (F)	21	26	31	25	66	A	10	75
3.27.051	40	50	1 1/2" (F)	21	26	31	25	66	B	16	75
3.27.063	50	63	2" (F)	26.5	32	38	28	80	A	10	60
3.27.064	50	63	2" (F)	26.5	32	38	28	80	B	16	25
3.27.076	63	75	2 1/2" (F)	29.5	38	44	31	94	B	10	25

# Adaptor socket

- Draadsok
- Schraubmuffe
- Manchon taraudé
- Manicotto
- Manguito transición

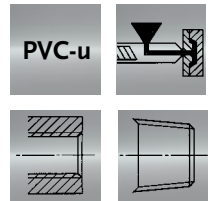
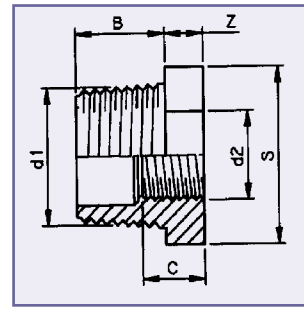
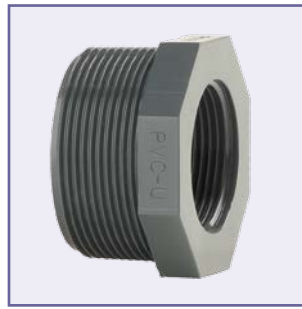


Art.code	d1	d3	Z	B	D	S	Type	PN	Quantity
3.28.010	3/8" (M)	1/4" (F)	7	12	12	24	A	16	100
3.28.015	1/4" (M)	3/8" (F)	8.5	12	12	27	A	10	100
3.28.016	1/4" (M)	3/8" (F)	8.5	12	12	27	B	16	50
3.28.017	1/2" (M)	3/8" (F)	8.5	16	12	27	A	10	100
3.28.018	1/2" (M)	3/8" (F)	8.5	16	12	27	B	16	50
3.28.020	3/8" (M)	1/2" (F)	8	12	15	32	A	10	100
3.28.021	3/8" (M)	1/2" (F)	8	12	15	32	B	16	50
3.28.021.1	1/2" (M)	1/2" (F)	8	16	15	32	A	10	50
3.28.021.2	1/2" (M)	1/2" (F)	8	16	15	32	B	16	50
3.28.022	3/4" (M)	1/2" (F)	8	17	15	32	A	10	100
3.28.023	3/4" (M)	1/2" (F)	8	17	15	32	B	16	50
3.28.025	1/2" (M)	3/4" (F)	10.5	16	16	36	A	10	100
3.28.026	1/2" (M)	3/4" (F)	10.5	16	16	36	B	16	50
3.28.026.1	3/4" (M)	3/4" (F)	10.5	17	16	36	A	10	50
3.28.026.2	3/4" (M)	3/4" (F)	10.5	17	16	36	B	16	50
3.28.027	1" (M)	3/4" (F)	10.5	21	16	36	A	10	100
3.28.028	1" (M)	3/4" (F)	10.5	21	16	36	B	16	50
3.28.032	3/4" (M)	1" (F)	12	17	22	46	A	10	100
3.28.033	3/4" (M)	1" (F)	12	17	22	46	B	16	50
3.28.034	1" (M)	1" (F)	12	21	22	46	A	10	90
3.28.035	1" (M)	1" (F)	12	21	22	46	B	16	75
3.28.036	1 1/4" (M)	1" (F)	12	23	22	46	A	10	150
3.28.037	1 1/4" (M)	1" (F)	12	23	22	46	B	16	75
3.28.040	1" (M)	1 1/4" (F)	14	21	23	55	A	10	150
3.28.041	1" (M)	1 1/4" (F)	14	21	23	55	B	16	50
3.28.042	1 1/4" (M)	1 1/4" (F)	14	23	23	55	A	10	150
3.28.043	1 1/4" (M)	1 1/4" (F)	14	23	23	55	B	16	50
3.28.044	1 1/2" (M)	1 1/4" (F)	14	23	23	55	A	10	150
3.28.045	1 1/2" (M)	1 1/4" (F)	14	23	23	55	B	16	100
3.28.050	1 1/4" (M)	1 1/2" (F)	16	23	25	66	A	10	100
3.28.051	1 1/4" (M)	1 1/2" (F)	16	23	25	66	B	16	75
3.28.052	1 1/2" (M)	1 1/2" (F)	16	23	25	66	A	10	100
3.28.053	1 1/2" (M)	1 1/2" (F)	16	23	25	66	B	16	75
3.28.063	1 1/2" (M)	2" (F)	21.5	23	28	80	A	10	50
3.28.064	1 1/2" (M)	2" (F)	21.5	23	28	80	B	16	50
3.28.065	2" (M)	2" (F)	21.5	27	28	80	A	10	50
3.28.066	2" (M)	2" (F)	21.5	27	28	80	B	16	40
3.28.076	2" (M)	2 1/2" (F)	23.5	27	31	94	B	10	45
3.28.078	2 1/2" (M)	2 1/2" (F)	23.5	31	31	94	B	10	45



## Reducing bush

Verloopring  
 Reduzierstück  
 Réduction courte  
 Riduzione curta  
 Reducción corta

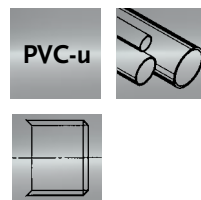
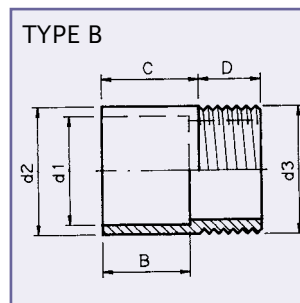
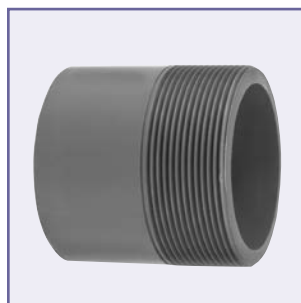
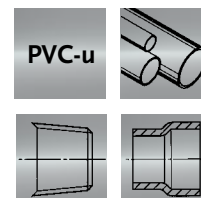
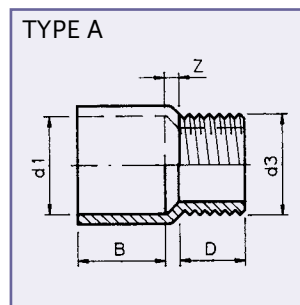


PVC-u metric

Art.code	d1	d2	Z	B	C	S	PN	Quantity
3.11.024	3/4" (M)	1/4" (F)	8	17	12	32	16	100
3.11.025	3/4" (M)	3/8" (F)	8	17	14	32	16	100
3.11.031	1" (M)	3/8" (F)	9	21	14	36	16	100
3.11.032	1" (M)	1/2" (F)	9	21	16	36	16	100
3.11.039	1 1/4" (M)	1/2" (F)	10	23	16	46	16	100
3.11.040	1 1/4" (M)	3/4" (F)	10	23	16	46	16	100
3.11.049	1 1/2" (M)	3/4" (F)	11	23	16	55	16	100
3.11.050	1 1/2" (M)	1" (F)	11	23	22	55	16	100
3.11.062	2" (M)	1" (F)	12	27	22	65	16	100
3.11.063	2" (M)	1 1/4" (F)	12	27	23	65	16	100
3.11.064	2" (M)	1 1/2" (F)	12	27	24	65	16	100
3.11.074	2 1/2" (M)	1 1/4" (F)	13	31	23	80	16	50
3.11.075	2 1/2" (M)	1 1/2" (F)	13	31	23	80	16	50
3.11.076	2 1/2" (M)	2" (F)	13	31	34	80	16	50
3.11.089	3" (M)	1 1/2" (F)	16	34	23	94	16	50
3.11.090	3" (M)	2" (F)	16	34	34	94	16	50
3.11.091	3" (M)	2 1/2" (F)	16	34	39	94	16	50

# Adaptor nipple

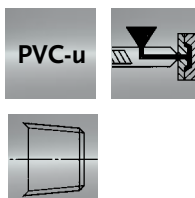
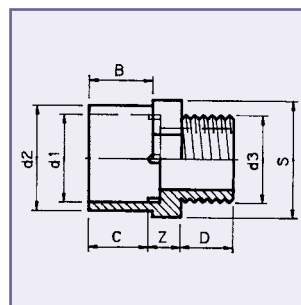
Draadeind  
Gewindestück  
Embout fileté  
Adattore  
Nipple roscado



Art.code	d1	d2	d3	Z	B	C	D	Type	PN	Quantity
1.40.010	25	-	1/2" (M)	11	19	-	13	A	16	300
1.40.015	25	-	3/4" (M)	10	19	-	13	A	16	300
1.40.020	25	32	1" (M)	-	19	22	19	B	16	300
1.40.025	32	-	1/2" (M)	17	22	-	19	A	10	400
1.40.030	32	-	3/4" (M)	14	22	-	13	A	16	400
1.40.035	32	-	1" (M)	9	22	-	15	A	16	300
1.40.040	32	40	1 1/4" (M)	-	22	26	21	B	16	300
1.40.045	40	-	1" (M)	18	26	-	15	A	16	300
1.40.050	40	-	1 1/4" (M)	10	26	-	19	A	16	300
1.40.055	40	48	1 1/2" (M)	10	26	36	21	B	16	300
1.40.060	50	-	1 1/4" (M)	14	31	-	21	A	16	200
1.40.065	50	-	1 1/2" (M)	13	31	-	21	A	16	200
1.40.070	50	60	2" (M)	12	31	43	26	B	16	200
1.40.075	63	-	1 1/4" (M)	31	38	-	19	A	10	100
1.40.080	63	-	1 1/2" (M)	27	38	-	21	A	16	100
1.40.085	63	-	2" (M)	16	38	-	23	A	16	100
1.40.090	63	75	2 1/2" (M)	-	38	44	31	B	16	100
1.40.095	75	-	1 1/4" (M)	42	44	-	19	A	10	75
1.40.100	75	-	1 1/2" (M)	36	44	-	21	A	10	75
1.40.105	75	-	2" (M)	26	44	-	23	A	16	75
1.40.110	75	-	2 1/2" (M)	15	44	-	28	A	16	80
1.40.115	75	90	3" (M)	-	44	51	34	B	16	65
1.40.120	90	-	2" (M)	40	51	-	51	A	10	45
1.40.125	90	-	2 1/2" (M)	27	51	-	28	A	16	55
1.40.130	90	-	3" (M)	18	51	-	30	A	16	36
1.40.135	90	110	4" (M)	-	51	66	33	B	16	24
1.40.140	110	-	2 1/2" (M)	45	61	-	28	A	10	24
1.40.145	110	-	3" (M)	40	61	-	40	A	16	32
1.40.150	110	-	4" (M)	12	61	-	28	A	16	27
1.40.155	125	-	3" (M)	47	69	-	28	A	16	24
1.40.160	125	-	4" (M)	32	69	-	28	A	16	24
1.40.165	125	140	5" (M)	-	69	76	44	B	16	18
1.40.167	140	-	4" (M)	37	76	-	38	A	16	12
1.40.168	140	-	5" (M)	25	76	-	40	A	16	12
1.40.169	140	160	6" (M)	-	76	86	44	B	16	10
1.40.170	160	-	4" (M)	44	86	-	36	A	16	8
1.40.175	160	-	5" (M)	22	86	-	38	A	16	8
1.40.180	160	-	6" (M)	25	86	-	40	A	16	8
1.40.185	200	-	6" (M)	50	106	-	40	A	10	4
1.40.190	200	-	8" (M)	15	106	-	55	A	10	1

# Adaptor nipple

Draadeind  
Gewindestück  
Embout fileté  
Manicotto nipplo  
Manchon de transición

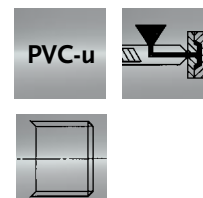
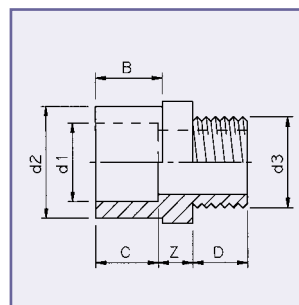


PVC-u metric

Art.code	d1	d2	d3	Z	B	C	D	S	PN	Quantity
3.15.010	10	16	1/4" (M)	8	12	12	12	19	16	250
3.15.020	12	16	1/4" (M)	8	12	12	12	19	16	250
4.40.110	12	16	M 11" (M)	6	12	14	9	19	16	250
4.40.380	12	16	WW3/8" (M)	6	12	14	9	19	16	250
3.15.030	16	23	1/4" (M)	5	12	14	12	27	16	250
3.15.035	16	23	3/8" (M)	5	12	14	15	27	16	250
3.15.040	16	23	1/2" (M)	5	12	14	19	27	16	250
3.15.045	20	28	3/8" (M)	5	14	16	15	32	16	250
3.15.050	20	28	1/2" (M)	5	14	16	16	32	16	250
3.15.055	20	28	3/4" (M)	6	14	16	19	32	16	250
3.15.060	25	32	1/2" (M)	6	19	19	16	36	16	300
3.15.065	25	32	3/4" (M)	8	19	19	19	36	16	300
3.15.070	25	32	1" (M)	8	19	19	21	36	16	300
3.15.075	32	40	1/2" (M)	8	22	22	16	46	16	300
3.15.080	32	40	3/4" (M)	10	22	22	19	46	16	300
3.15.085	32	40	1" (M)	11	22	22	21	46	16	300
3.15.090	32	40	1 1/4" (M)	11	22	22	23	46	16	300
3.15.092	40	50	1/2" (M)	11	26	26	19	55	16	225
3.15.093	40	50	3/4" (M)	11	26	26	19	55	16	225
3.15.095	40	50	1" (M)	11	26	26	21	55	16	225
3.15.100	40	50	1 1/4" (M)	11	26	26	23	55	16	200
3.15.105	40	50	1 1/2" (M)	11	26	26	23	55	16	175
3.15.110	50	63	1" (M)	12	31	31	21	65	16	150
3.15.115	50	63	1 1/4" (M)	12	31	31	23	65	16	150
3.15.120	50	63	1 1/2" (M)	12	31	31	23	65	16	150
3.15.125	50	63	2" (M)	12	31	31	27	65	16	150
3.15.130	63	75	1 1/4" (M)	19	44	38	23	80	16	80
3.15.135	63	75	1 1/2" (M)	19	44	38	23	80	16	80
3.15.140	63	75	2" (M)	19	44	38	27	80	16	80
3.15.145	63	75	2 1/2" (M)	19	44	38	31	80	16	90
3.15.150	75	90	2" (M)	25	51	44	27	95	16	48
3.15.155	75	90	2 1/2" (M)	25	51	44	31	95	16	48
3.15.160	75	90	3" (M)	25	51	44	33	95	16	48
3.15.165	90	110	2 1/2" (M)	31	61	51	31	115	16	27
3.15.170	90	110	3" (M)	31	61	51	33	115	16	27
3.15.175	90	110	4" (M)	31	61	51	40	115	16	27
3.15.180	110	132	3" (M)	25	61	61	33	138	16	20
3.15.185	110	132	4" (M)	25	61	61	40	138	16	18

## Adaptor nipple

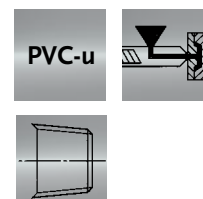
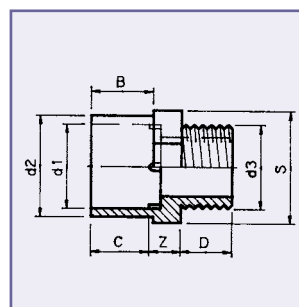
Draadeind  
Gewindestück  
Embout fileté  
Manicotto nipplo  
Manchon de transición



Art.code	d1	d2	d3	Z	B	C	D	PN	Quantity
3.20.030	25	32	1/2" (M)	6	22	19	18	10	500
3.20.045	25	32	3/4" (M)	5	22	19	18	10	500
3.20.050	25	32	1" (M)	6	22	19	17	10	500
3.20.055	32	40	1" (M)	5	23	22	18	10	500
3.20.060	32	40	1 1/4" (M)	4	23	22	18	10	600
3.20.065	40	50	1 1/4" (M)	11	31	26	23	10	300
3.20.070	40	50	1 1/2" (M)	12	31	26	23	10	275
3.20.075	50	-	1 1/2" (M)	12	-	31	23	10	200
3.20.080	50	-	2" (M)	12	-	31	27	10	150
3.20.090	63	-	2" (M)	8	-	38	27	10	100

## Adaptor nipple

Inzetdraadeind  
Gewindestück  
Embout fileté  
Nipplo  
Nipple de transición



Art.code	d1	d2	d3	Z	B	C	S	D	PN	Quantity
3.30.010	-	16	1/4" (M)	8	14	-	27	13	16	100
3.30.011	-	16	3/8" (M)	8	14	-	27	15	16	100
3.30.012	-	16	1/2" (M)	8	14	-	27	19	16	100
3.30.015	-	20	3/8" (M)	8	16	-	32	15	16	100
3.30.016	-	20	1/2" (M)	8	16	-	32	19	16	100
3.30.017	-	20	3/4" (M)	8	16	-	32	19	16	100
3.30.020	-	25	1/2" (M)	9	19	-	36	19	16	100
3.30.025	-	25	3/4" (M)	9	19	-	36	19	16	100
3.30.030	-	25	1" (M)	9	19	-	36	21	16	100
3.30.040	25	32	3/4" (M)	10	22	19	46	19	16	100
3.30.045	25	32	1" (M)	12	22	19	46	21	16	100
3.30.046	25	32	1 1/4" (M)	10	22	19	46	23	16	100
3.30.050	-	40	1" (M)	11	26	-	55	21	16	100
3.30.055	-	40	1 1/4" (M)	11	26	-	55	23	16	100
3.30.060	-	50	1 1/4" (M)	12	31	-	65	23	16	100
3.30.065	-	50	1 1/2" (M)	12	31	-	65	23	16	100
3.30.070	-	63	1 1/4" (M)	13	38	-	80	23	16	100
3.30.075	-	63	1 1/2" (M)	13	38	-	80	23	16	100
3.30.080	-	63	2" (M)	13	38	-	80	27	16	100

# Reducing bush

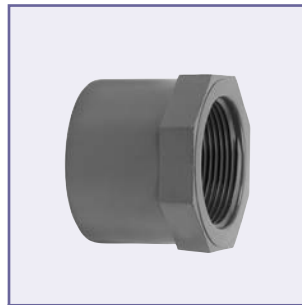
Lijmring

Reduktion

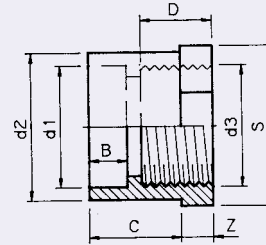
Réduction courte

Bussole di riduzione

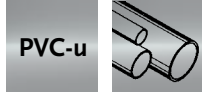
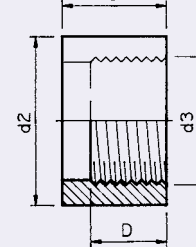
Casquillo reducción



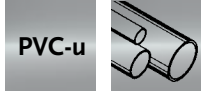
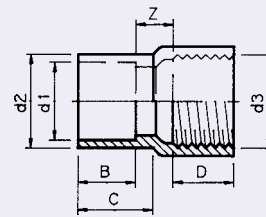
TYPE A



TYPE B



TYPE C



PVC-u metric

Art.code	d1	d2	d3	Z	B	C	S	D	Type	PN	Quantity
3.10.016	-	16	1/4" (F)	6	-	14	19	14	A	16	250
3.10.020	-	20	1/4" (F)	6	-	16	22	14	A	16	250
3.10.021	-	20	3/8" (F)	6	-	16	22	14	A	16	250
3.10.025	-	25	3/8" (F)	8	-	19	27	14	A	16	250
3.10.026	-	25	1/2" (F)	8	-	19	27	17	A	16	250
3.10.032	-	32	1/2" (F)	8	-	22	36	17	A	16	250
3.10.033	-	32	3/4" (F)	8	-	22	36	19	A	16	250
3.10.039	-	40	1/2" (F)	11	-	26	46	17	A	16	200
3.10.040	-	40	3/4" (F)	11	-	26	46	19	A	16	100
3.10.041	-	40	1" (F)	11	-	26	46	21	A	16	100
3.10.048	-	50	1/2" (F)	12	-	31	55	17	A	16	100
3.10.049	-	50	3/4" (F)	12	-	31	55	19	A	16	100
3.10.050	-	50	1" (F)	12	-	31	55	21	A	16	100
3.10.051	-	50	1 1/4" (F)	12	-	31	55	23	A	16	100
3.10.060	-	63	1/2" (F)	13	-	38	65	17	A	16	100
3.10.061	-	63	3/4" (F)	13	-	38	65	19	A	16	100
3.10.062	-	63	1" (F)	13	-	38	65	21	A	16	100
3.10.063	-	63	1 1/4" (F)	13	-	38	65	23	A	16	100
3.10.064	-	63	1 1/2" (F)	13	-	38	65	23	A	16	100
3.10.074	-	75	1 1/4" (F)	13	-	44	80	23	A	16	50
3.10.075	-	75	1 1/2" (F)	13	-	44	80	23	A	16	50
3.10.076	-	75	2" (F)	13	-	44	80	29	A	16	50
3.10.090	75	90	2" (F)	20	44	51	95	29	A	16	50
3.10.091	-	90	2 1/2" (F)	20	-	51	95	31	A	16	50
3.10.092	75	90	3" (F)	18	44	51	-	35	C	10	50
3.10.110	90	110	2" (F)	22	-	61	115	29	A	16	25
3.10.111	90	110	2 1/2" (F)	22	-	61	115	31	A	16	25
3.10.112	-	110	3" (F)	22	-	61	115	34	A	16	25
3.10.113	-	110	4" (F)	30	-	61	-	40	C	10	25
3.10.125	-	125	3" (F)	25	-	69	138	34	A	10	25
3.10.126	-	125	4" (F)	25	-	69	138	34	A	10	25
3.10.160	-	160	5" (F)	-	-	86	-	44	B	16	8
3.10.200	-	200	6" (F)	-	-	106	-	44	B	16	10

## Reducing bush

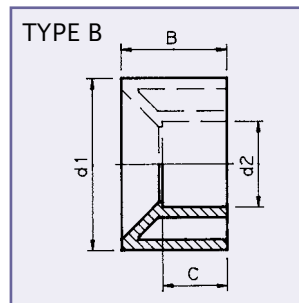
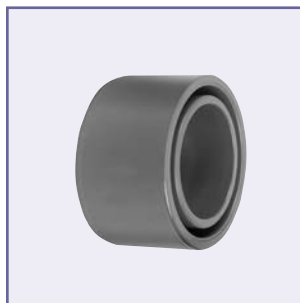
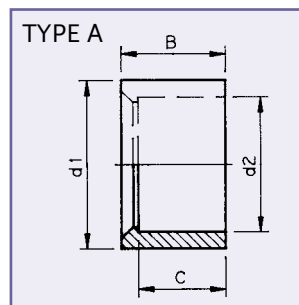
Lijmring

Reduktion

Réduction courte

Bussole di riduzione

Casquillo reducción



Art.code	d1	d2	B	C	Type	PN	Quantity
3.05.016	16	12	14	12	A	16	250
3.05.018	20	10	16	12	A	16	250
3.05.019	20	12	16	12	A	16	250
3.05.020	20	16	16	14	A	16	250
3.05.024	25	12	19	12	B	16	250
3.05.025	25	16	19	14	A	16	250
3.05.026	25	20	19	16	A	16	250
3.05.032	32	16	22	14	B	16	250
3.05.033	32	20	22	16	B	16	250
3.05.034	32	25	22	19	A	16	250
3.05.040	40	16	26	14	B	16	200
3.05.041	40	20	26	16	B	16	200
3.05.042	40	25	26	19	B	16	200
3.05.043	40	32	26	22	A	16	200
3.05.050	50	20	31	16	B	16	200
3.05.051	50	25	31	19	B	16	200
3.05.052	50	32	31	22	B	16	200
3.05.053	50	40	31	26	A	16	200
3.05.063	63	25	38	19	B	16	200
3.05.064	63	32	38	22	B	16	200
3.05.065	63	40	38	26	B	16	200
3.05.066	63	50	38	31	A	16	200
3.05.075	75	32	44	22	B	16	100
3.05.076	75	40	44	26	B	16	100
3.05.077	75	50	44	31	B	16	100
3.05.078	75	63	44	38	A	16	100
3.05.090	90	50	51	31	B	16	50
3.05.091	90	63	51	38	B	16	50
3.05.092	90	75	51	44	A	16	50
3.05.095	90	80	51	46	A	16	50
3.05.110	110	50	61	31	B	16	25
3.05.111	110	63	61	38	B	16	25
3.05.112	110	75	61	44	B	16	25
3.05.113	110	90	61	51	A	16	25
3.05.115	110	100	61	56	A	16	25
3.05.125	125	75	69	44	B	16	24
3.05.126	125	90	69	51	B	16	24
3.05.127	125	110	69	61	A	16	24
3.05.140	140	75	76	44	B	16	15
3.05.141	140	90	76	51	B	16	15



## Reducing bush

Lijmring

Reduktion

Réduction courte

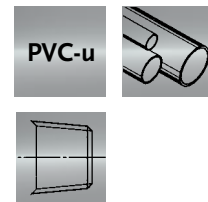
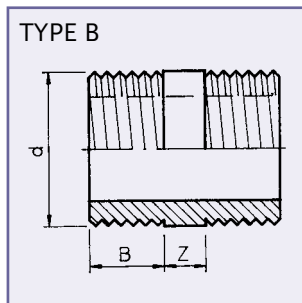
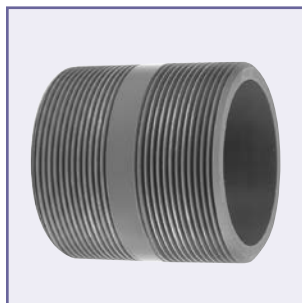
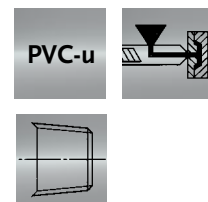
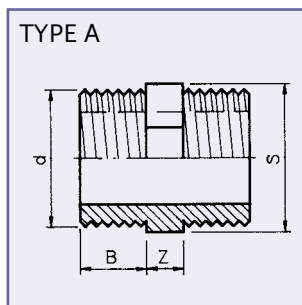
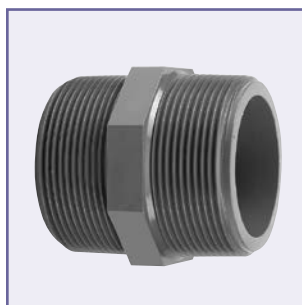
Bussole di riduzione

Casquillo reducción

Art.code	d1	d2	B	C	Type	PN	Quantity
3.05.142	140	110	76	61	B	16	15
3.05.143	140	125	76	69	A	16	15
3.05.160	160	90	86	51	B	16	8
3.05.161	160	110	86	61	B	16	8
3.05.162	160	125	86	69	A	16	8
3.05.163	160	140	86	76	A	16	8
3.05.197	200	110	106	61	B	10	10
3.05.198	200	125	106	69	B	10	10
3.05.199	200	140	106	76	B	10	10
3.05.200	200	160	106	86	A	10	10
3.05.221	225	125	119	69	B	10	3
3.05.222	225	110	119	61	B	10	3
3.05.223	225	140	119	76	B	10	3
3.05.224	225	160	119	86	B	10	3
3.05.225	225	200	119	106	A	10	3
3.05.247	250	125	131	69	B	10	3
3.05.248	250	140	131	76	B	10	3
3.05.249	250	160	131	86	B	10	3
3.05.250	250	200	131	106	A	10	3
3.05.251	250	225	131	119	A	10	3
3.05.276	280	140	146	76	B	10	1
3.05.277	280	160	146	86	B	10	1
3.05.278	280	200	146	106	B	10	1
3.05.279	280	225	146	119	A	10	1
3.05.280	280	250	146	131	A	10	1
3.05.313	315	160	164	86	B	10	1
3.05.314	315	200	164	106	B	10	1
3.05.315	315	225	164	119	B	10	1
3.05.316	315	250	164	131	A	10	1
3.05.317	315	280	164	146	A	10	1
3.05.350	355	315	184	164	A	6	1
3.05.400	400	250	206	131	B	6	1
3.05.402	400	280	206	146	B	6	1
3.05.403	400	315	206	164	A	6	1
3.05.405	400	355	206	184	A	6	1

## Nipple

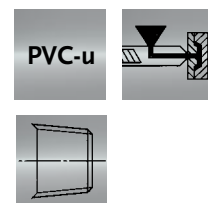
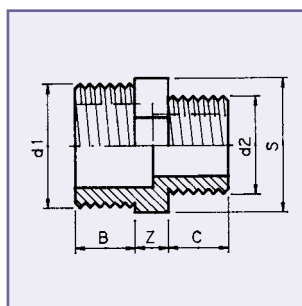
- Draadnippel
- Doppelnippel
- Mamelon filet 
- Nipplo
- Nipple



Art.code	d	Z	B	S	Type	PN	Quantity
3.35.035	1/4" (M)	8	12	19	A	16	100
3.35.045	3/8" (M)	8	15	24	A	16	100
3.35.055	1/2" (M)	8	17	27	A	16	100
3.35.065	3/4" (M)	8	19	32	A	16	100
3.35.075	1" (M)	9	21	36	A	16	100
3.35.085	1 1/4" (M)	10	23	46	A	16	100
3.35.095	1 1/2" (M)	11	23	55	A	16	100
3.35.105	2" (M)	12	27	65	A	16	100
1.50.025	2 1/2" (M)	16	27	-	B	16	25
1.50.030	3" (M)	25	27	-	B	16	10
1.50.040	4" (M)	16	33	-	B	16	10
1.50.050	5" (M)	16	46	-	B	16	10

## Nipple

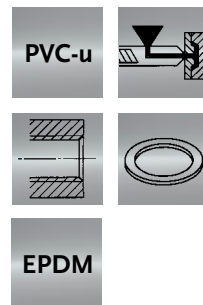
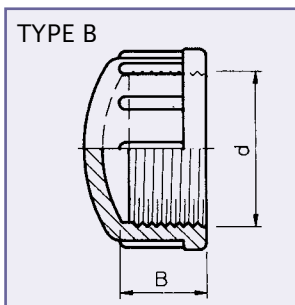
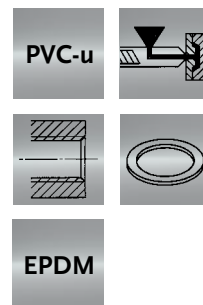
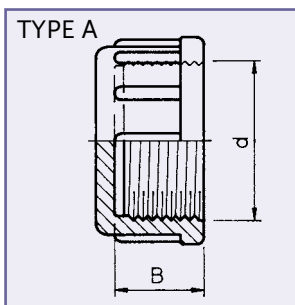
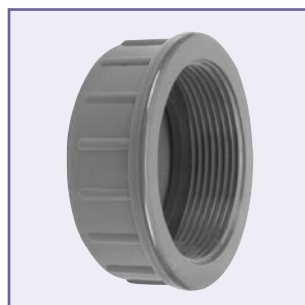
- Draadnippel
- Doppelnippel
- Mamelon filet 
- Nipplo
- Nipple



Art.code	d1	d2	Z	B	C	S	PN	Quantity
3.35.040	3/8" (M)	1/4" (M)	8	15	13	24	16	100
3.35.050	1/2" (M)	3/8" (M)	8	17	15	27	16	100
3.35.060	3/4" (M)	1/2" (M)	8	19	17	32	16	100
3.35.070	1" (M)	3/4" (M)	9	21	19	36	16	100
3.35.080	1 1/4" (M)	1" (M)	9	23	21	46	16	100
3.35.090	1 1/2" (M)	1 1/4" (M)	11	23	23	55	16	100
3.35.100	2" (M)	1 1/2" (M)	12	27	23	65	16	100

## Screwcap

Draadkap  
Schraubkappe  
Bouchon taraudé  
Calotta a filetto  
Tapon rosco hembra

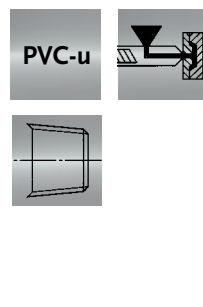
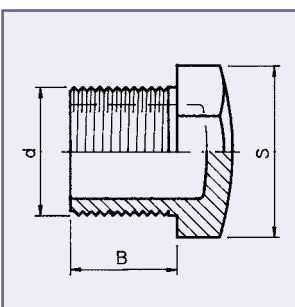
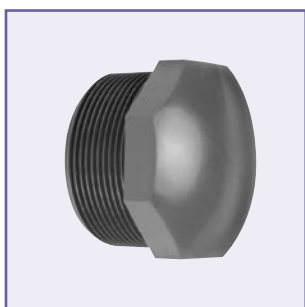


PVC-u metric

Art.code	d	B	Type	PN	Quantity
3.40.010	3/8" (F)	13	A	10	250 (5x50)
3.40.020	1/2" (F)	14	A	10	500 (10x50)
3.40.030	3/4" (F)	16	A	10	400 (8x50)
3.40.040	1" (F)	17	A	10	500 (10x50)
3.40.050	1 1/4" (F)	19	A	10	500 (10x50)
3.40.060	1 1/2" (F)	23	B	10	300
3.40.062	1 1/2" (F)	23	A	10	300
3.40.070	2" (F)	24	B	10	150
3.40.072	2" (F)	24	A	10	150
3.40.075	2 1/4" (F)	25	A	10	25
3.40.080	2 1/2" (F)	29	B	10	100
3.40.082	2 1/2" (F)	29	A	10	100
3.40.085	2 3/4" (F)	29	A	10	25
3.40.090	3" (F)	31	B	10	50
3.40.092	3" (F)	31	A	10	50
3.40.100	4" (F)	34	B	6	10
3.40.102	4" (F)	34	A	6	10

## Plug

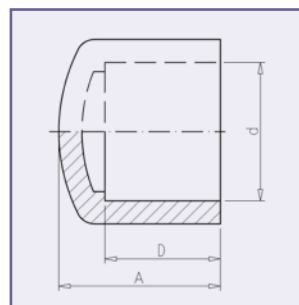
Draadstop  
Gewindestopfen  
Bouchon fileté  
Tappo  
Tapon rosco macho



Art.code	d	B	S	PN	Quantity
3.45.025	1/4" (M)	12	17	16	100
3.45.030	3/8" (M)	14	22	16	100
3.45.040	1/2" (M)	18	27	16	100
3.45.045	3/4" (M)	19	32	16	100
3.45.050	1" (M)	22	36	16	100
3.45.055	1 1/4" (M)	24	46	16	100
3.45.060	1 1/2" (M)	24	55	16	100
3.45.065	2" (M)	27	65	16	100
3.45.070	2 1/2" (M)	31	94	10	25
3.45.075	3" (M)	34	114	10	25
3.45.080	4" (M)	40	138	10	25

## Cap

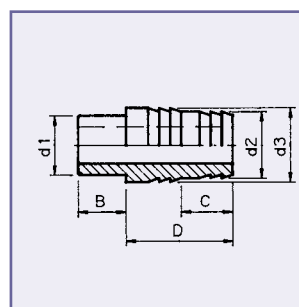
Lijmkap  
Klebekappe  
Bouchon à coller  
Calotta  
Tapón



Art.code	d	A	B	PN	Quantity
3.55.010	10	17	12	16	250
3.55.012	12	18	12	16	250
3.55.016	16	24	14	16	250
3.55.020	20	25	16	16	250
3.55.025	25	29	19	16	250
3.55.032	32	33	22	16	175
3.55.040	40	40	26	16	100
3.55.050	50	47	31	16	200
3.55.063	63	57	38	16	115
3.55.075	75	67	44	16	70
3.55.090	90	77	51	16	45
3.55.110	110	95	61	16	24
3.55.125	125	103	69	16	15
3.55.140	140	118	76	16	15
3.55.160	160	131	86	16	8
3.55.200	200	170	107	10	3
3.55.225	225	185	119	10	2
3.55.250	250	205	132	10	2
3.55.280	280	230	147	10	1
3.55.315	315	255	165	10	1

## Hose nozzle

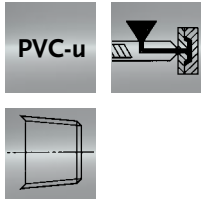
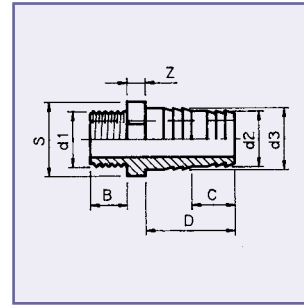
Slangpilaar  
Schlauchtülle  
Embout cannelé  
Portagomma  
Conexión manguera



Art.code	d1	d2	d3	B	C	D	Quantity
3.57.010	10	10	10	12	16	31	100
3.57.012	12	12	14	12	16	36	100
3.57.016	16	16	18	14	18	40	100
3.57.020	20	20	22	16	20	44	100
3.57.025	25	25	28	19	24	54	100
3.57.032	32	31	34	22	28	63	100
3.57.040	40	40	43	26	32	72	100
3.57.050	50	50	53	31	35	80	100
3.57.063	63	60	66	38	40	90	50

## Hose nozzle

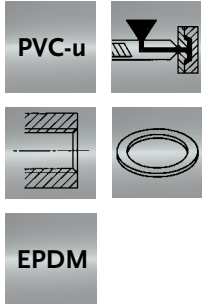
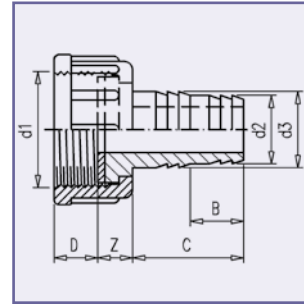
Slangpilaar  
Schlauchtülle  
Embout cannelé  
Portagomma  
Conexión manguera



Art.code	d1	d2	d3	Z	B	C	D	S	Quantity
3.57.013	1/4" (M)	12	14	6	11	16	36	15	100
3.57.017	3/8" (M)	16	18	7	12	18	40	19	100
3.57.021	1/2" (M)	20	22	8	15	20	44	24	100
3.57.026	3/4" (M)	25	28	8	16	24	54	30	100
3.57.033	1" (M)	31	34	9	18	28	63	35	100
3.57.041	1 1/4" (M)	40	43	13	21	32	72	46	100
3.57.051	1 1/2" (M)	50	53	14	21	35	80	55	100
3.57.064	2" (M)	60	66	16	26	40	90	70	50

## Hose nozzle

Slangpilaar  
Schlauchtülle  
Embout cannelé  
Portagomma  
Conexión manguera



Art.code	d1	d2	d3	Z	B	C	D	Quantity
3.57.018	3/4" (F)	16	18	17	18	40	11	50
3.57.022	1" (F)	20	22	17	20	44	11	50
3.57.027	1 1/4" (F)	25	28	17	24	54	13	50
3.57.034	1 1/2" (F)	31	34	20	28	63	13	50
3.57.042	2" (F)	40	43	20	32	72	15	50
3.57.052	2 1/4" (F)	50	53	23	35	80	16	50
3.57.065	2 3/4" (F)	60	66	23	40	90	21	25

## Union nut (parts)

FOR INJECTION MOULDED ADAPTOR  
UNION AND HOSE NOZZLE

Wartelmoer

VOOR SPUITGIETKOPPELING EN SLANGPILAAAR

Überwurfmutter

FÜR SPRITZGUSS VERSCHRAUBUNG UND SCHLAUCHTÜLLE

Ecrou de raccord

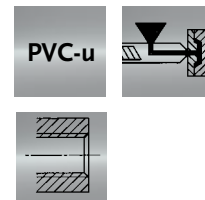
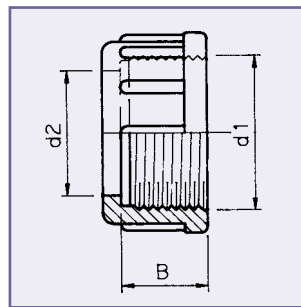
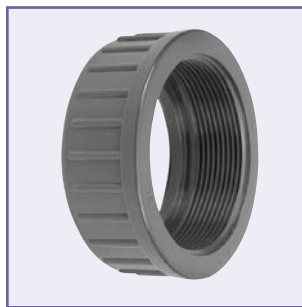
POUR RACCORD UNION ET EMBOUT CANNELE

Chiera

PER INIEZIONE BOCCHETTONE E PORTAGOMMA

Tuerca enlace

PARA UNIÓN Y CONEXIÓN MANGUERA



Art.code	Dia	d1	d2	B	Quantity
8.20.016	16	3/4" (F)	22	16	50
8.20.020	20	1" (F)	27	16	50
8.20.025	25	1 1/4" (F)	36	19	50
8.20.032	32	1 1/2" (F)	41	19	50
8.20.040	40	2" (F)	53	22	25
8.20.050	50	2 1/4" (F)	60	24	25
8.20.063	63	2 3/4" (F)	75	29	25

## Union washer (parts)

FOR HOSE NOZZLE

Rubber afdichtring

VOOR SLANGPILAAAR

Gummiring

FÜR SCHLAUCHTÜLLE

Joint caoutchouc

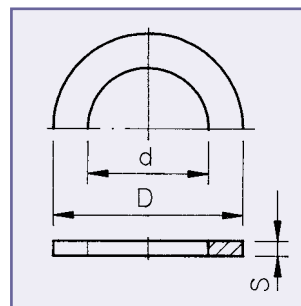
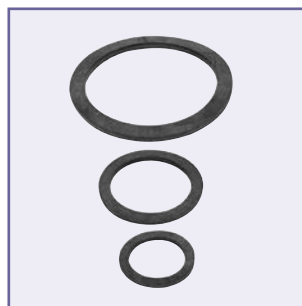
POUR EMBOUT CANNELE

Guarnizione di gomma

PER PORTAGOMMA

Junta cuacho

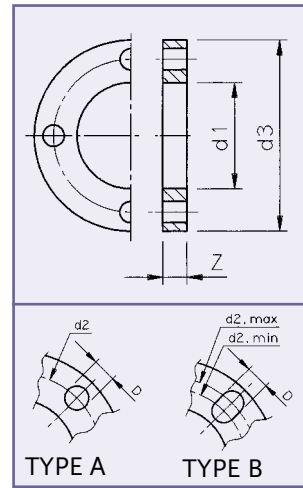
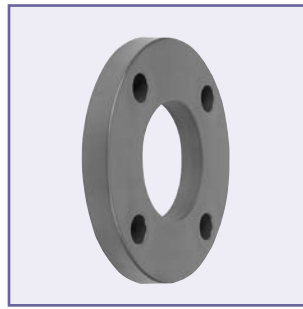
PARA CONEXIÓN MANGUERA



Art.code	Dia	d	D	S	Quantity
8.03.016	16	11	23	2	100
8.03.020	20	15	29	2	100
8.03.025	25	19	37	2	100
8.03.032	32	24	43	3	100
8.03.040	40	32	55	3	100
8.03.050	50	40	61	3	100
8.03.063	63	50	77	3	50

## Backing flange

Flens  
Flansch  
Bride  
Flangia  
Brida



Art.code	Dia	DN	d1	d2	d3	Z	NxD	Norm	Type	Quantity
3.72.016	16	10	23	60	90	10	4x14	•	A	50
3.72.020	20	15	28	60.5/63	95	11	4x16	••	B	50
3.72.025	25	20	34	70/73	105	12	4x16	••	B	50
3.72.032	32	25	42	79/83	115	14	4x16	••	B	50
3.72.040	40	32	51	91/100	140	15	4x18	••	B	30
3.72.050	50	40	62	101/110	150	16	4x18	••	B	75
3.72.063	63	50	78	120.5/124	165	18	4x18	••	B	50
3.72.075	75	65	92	145	185	19	4x18	•	A	30
3.72.090	90	80	110	160	200	20	8x18	•	A	25
3.72.110	110	100	133	180	220	22	8x18	•	A	15
3.72.125	125	110	150	190	235	26	8x18		A	15
3.72.140	140	125	167	210	250	26	8x18	•	A	15
3.72.160	160	150	190	240	285	28	8x22	•	A	10
3.72.200	200	175	235	270	315	36	8x22	•••	A	5
3.72.225	225	200	251	295	340	36	8x22	•	A	5
3.72.250	250	225	277	325	370	36	8x22	•••	A	5
3.72.280	280	250	309	350	395	36	12x22	•	A	1
3.72.315	315	300	345	400	445	36	12x22	•	A	1
3.72.355	355	350	388	460	505	38	16x22	•	A	1
3.72.400	400	400	442	515	565	42	16x26	•	A	1

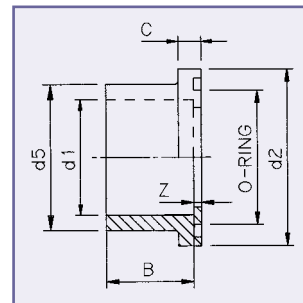
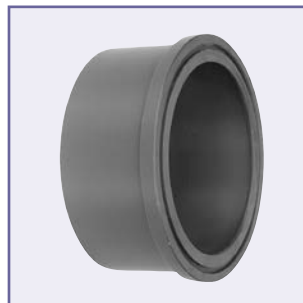
Connecting dimension according to...  
Bevestigingsmaat volgens...  
Anschlußmasse zufolge...

Mesure de assujettir suivant...  
Misura di attaccare secondo...  
Medida de sujetar según...

- ISO/DIN 2501 PN10
- ISO/DIN 2501 PN10 / ANSI B16.5
- ISO 2536 PN10

## Flange adaptor (O-ring)

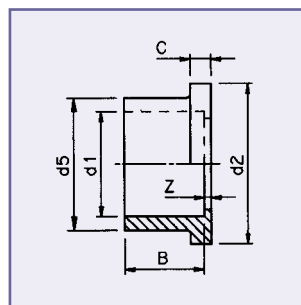
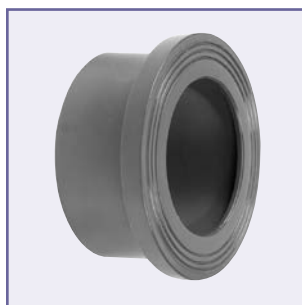
Kraagbus (O-ring)  
Bundbusche (O-Ring)  
Collet (joint torique)  
Collage (O-ring)  
Portabrida (junta)



Art.code	d1	d2	d5	Z	B	C	O-ring & T-ring	Quantity
3.72.202	200	248	232	7	106	19	215.3x7	3
3.72.227	225	273	248	7	119	23	240.7x7	3
3.72.252	250	303	274	9	131	23	266.0x7	4
3.72.282	280	328	305	9	146	26	295.0x10	2
3.72.317	315	378	342	10	164	31	330.0x10	1

## Flange adaptor

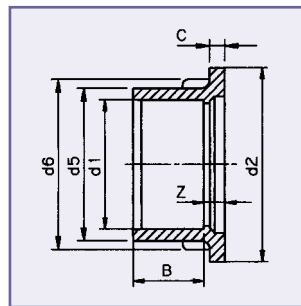
Kraagbus  
 Bundbusche  
 Collet  
 Collare  
 Portabrida



Art.code	d1	DN	d2	d5	Z	B	C	Quantity
3.72.017	16	10	29	22	3	14	6	100
3.72.021	20	15	34	27	3	16	6	100
3.72.026	25	20	41	33	3	19	7	100
3.72.033	32	25	50	41	3	22	7	100
3.72.041	40	32	60	50	3	26	8	100
3.72.051	50	40	72	61	3	31	8	150
3.72.064	63	50	90	77	3	38	9	75
3.72.076	75	65	106	91	3	44	10	50
3.72.091	90	80	125	108	5	51	11	40
3.72.111	110	100	150	131	5	61	12	25
3.72.126	125	110	170	148	5	69	13	10
3.72.141	140	125	188	165	5	76	14	10
3.72.161	160	150	212	188	5	86	18	10
3.72.201	200	200	248	232	7	106	19	3
3.72.226	225	200	273	248	7	119	23	3
3.72.251	250	225	303	274	7	131	23	4
3.72.281	280	250	328	306	9	146	26	2
3.72.316	315	300	378	342	10	164	31	1
3.72.356	355	350	430	384	10	184	32	1
3.72.401	400	400	438	484	10	206	34	1

## Flange adaptor

Kraagbus  
 Bundbusche  
 Collet  
 Collare  
 Portabrida



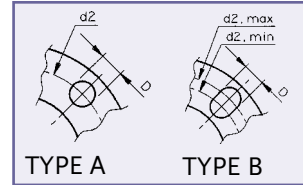
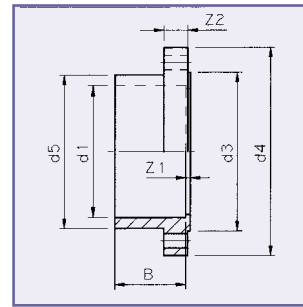
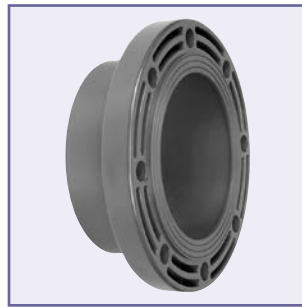
Reducing flange adaptor  
 Verloop kraagbus  
 Bundbusche reduzierent  
 Collet réduit  
 Collare ridotto  
 Portabrida reducida

Art.code	d1	d2	d5	d6	Z	B	C	Quantity
3.72.068	63	106 (75)	77	91	12	38	10	50
3.72.130	125	188 (140)	148	165	21	69	14	10
3.72.205	200	273 (225)	228	248	34	106	22	3
3.72.255	250	328 (280)	280	306	35	131	25	4



## Fixed flange

Lijmflens  
Klebeflansch  
Bride fixe  
Flangia fissa  
Brida fija



Art.code	d1	d2	d3	d4	d5	Z1	Z2	B	NxD	Norm	Type	Quantity
3.73.075	75	139.5/144	106	185	91	3	19	44	4x19	..	B	24
3.73.090	90	152.5/159	125	200	108	5	20	51	8x19	..	B	15
3.73.110	110	181/190.5	150	220	131	5	22	61	8x19	..	B	8
3.73.125	125	190	166	235	148	5	26	69	8x18		A	8
3.73.140	140	215	184	250	165	5	26	76	8x23	..	A	6
3.73.160	160	240	209	285	188	5	28	86	8x24	..	A	4
3.73.200	200	270	248	315	232	7	36	106	8x22	...	A	3
3.73.225	225	295	260	340	248	7	36	119	8x22	.	A	3
3.73.250	250	325	303	370	274	9	36	131	8x22	...	A	2
3.73.280	280	350	328	395	306	9	36	146	12x22	.	A	2
3.73.315	315	400	378	445	342	10	36	164	12x22	.	A	1

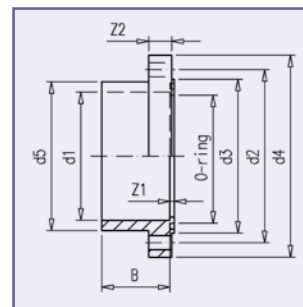
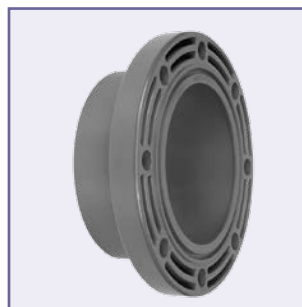
Connecting dimension according to...  
Bevestigingsmaat volgens...  
Anschlußmasse zufolge...

Mesure de assujettir suivant...  
Misura di attaccare secondo...  
Medida de sujetar según...

- ISO/DIN 2501 PN10
- ISO/DIN 2501 PN10 / ANSI B16.5
- ISO 2536 PN10

## Fixed flange (O-ring)

Lijmflens (O-ring)  
Klebeflansch (O-Ring)  
Bride fixe (joint torique)  
Flangia fissa (O-ring)  
Brida fija (junta)



Art.code	d1	d2	d3	d4	d5	Z1	Z2	B	O-ring & T-ring	NxD	Norm	Quantity
3.73.201	200	270	248	315	232	7	36	106	215.3x7	8x22	..	3
3.73.226	225	295	273	340	248	7	36	119	240.7x7	8x22	.	3
3.73.251	250	325	303	370	274	9	36	131	266.0x7	8x22	..	2
3.73.281	280	350	328	395	306	9	36	146	295.0x10	12x22	.	2
3.73.316	315	400	378	445	342	10	36	164	330.0x10	12x22	.	1

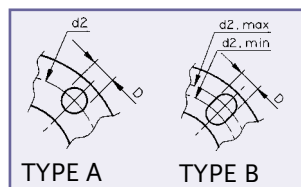
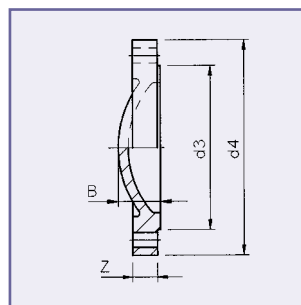
Connecting dimension according to...  
Bevestigingsmaat volgens...  
Anschlußmasse zufolge...

Mesure de assujettir suivant...  
Misura di attaccare secondo...  
Medida de sujetar según...

- ISO/DIN 2501 PN10
- ISO 2536 PN10

## Blank flange

Blindflens  
Blindflansch  
Bride pleine  
Flangia cieca  
Brida ciega



Art.code	Dia	DN	d2	d3	d4	Z	B	NxD	Norm	Type	Quantity
3.74.016	16	10	60	29	90	10	13.5	4x14	•	A	50
3.74.020	20	15	60.5/63	34	95	11	14.5	4x16	••	B	75
3.74.025	25	20	70/73	41	105	12	16	4x16	••	B	50
3.74.032	32	25	79/83	50	115	14	19	4x16	••	B	50
3.74.040	40	32	91/100	61	140	15	20	4x18	••	B	30
3.74.050	50	40	101/110	74	150	16	22	4x18	••	B	40
3.74.063	63	50	120.5/124	91	165	18	24.5	4x18	••	B	15
3.74.075	75	65	139.5/144	106	185	19	26.5	4x19	••	B	14
3.74.090	90	80	152.5/159	125	200	20	30	8x19	••	B	15
3.74.110	110	100	181/190.5	150	220	22	34.5	8x19	••	B	15
3.74.125	125	110	190	166	235	26	38.5	8x18		A	10
3.74.140	140	125	215	184	250	26	39	8x23	••	A	10
3.74.160	160	150	240	209	285	28	43.5	8x24	••	A	6
3.74.200	200	175	270	248	315	36	63	8x22	•••	A	5
3.74.225	225	200	295	260	340	36	63	8x22	•	A	5
3.74.250	250	225	325	303	370	36	63	8x22	•••	A	5
3.74.280	280	250	350	328	395	36	65	12x22	•	A	1
3.74.315	315	300	400	378	445	36	65	12x22	•	A	1
3.74.355	355	350	460	430	505	38	67	16x22	•	A	1
3.74.400	400	400	515	482	565	42	71	16x26	•	A	1

Connecting dimension according to...

Bevestigingsmaat volgens...

Anschlußmasse zufolge...

Mesure de assujettir suivant...

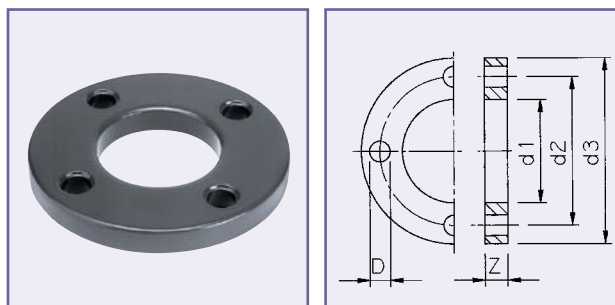
Misura di attaccare secondo...

Medida de sujetar según...

- ISO/DIN 2501 PN10
- ISO/DIN 2501 PN10 / ANSI B16.5
- ISO 2536 PN10

## Aluminium flange

Aluminium Flens  
Aluminium Flansch  
Bride d'aluminium  
Flangia d'alluminio  
Brida d'aluminio



PVC-u metric

Art.code	Dia	DN	d1	d2	d3	Z	NxD	Norm	Quantity
ALU972020	20	15	28	65	95	17	4x14	•	1
ALU972025	25	20	34	75	105	17	4x14	•	1
ALU972032	32	25	42	85	115	17	4x14	•	1
ALU972040	40	32	51	100	140	17	4x18	•	1
ALU972050	50	40	62	110	150	16	4x18	•	1
ALU972063	63	50	78	125	165	19	4x18	•	1
ALU972075	75	65	92	145	185	19	4x18	•	1
ALU972090	90	80	110	160	200	20	8x18	•	1
ALU972110	110	100	133	180	220	20	8x18	•	1
ALU972125	125	125	150	190	235	22	8x18	•	1
ALU972140	140	125	167	210	240	22	8x18	•	1
ALU972160	160	150	190	240	285	22	8x23	•	1
ALU972200	200	175	235	270	315	24	8x23	•••	1
ALU972225	225	200	251	295	340	24	8x23	•	1
ALU972250	250	225	277	325	370	26	8x23	•••	1
ALU972280	280	250	310	350	395	26	12x23	•	1
ALU972315	315	300	348	400	445	26	12x23	•	1
ALU972355	355	350	388	460	505	26	16x23	•	1
ALU972400	400	400	442	515	565	32	16x27	•	1

Connecting dimension according to...

Bevestigingsmaat volgens...

Anschlußmasse zufolge...

Mesure de assujettir suivant...

Misura di attaccare secondo...

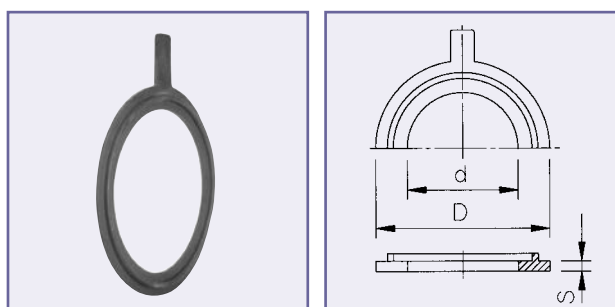
Medida de sujetar según...

• ISO/DIN 2501 PN10

••• ISO 2536 PN10

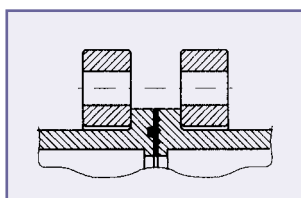
## T-Ring for Flange adaptor

T-Ring voor kraagbus  
T-Ring für Flange Adaptor  
Joint T pour collet  
T-Ring per collare  
Junta T para portabrida



EPDM

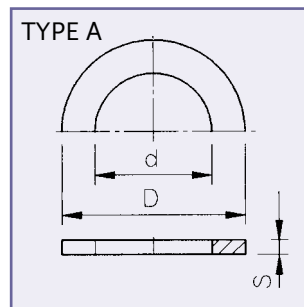
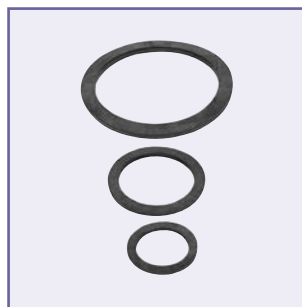
Art.code	Dia	d	D	S	T-ring	Quantity
8.04.201	200	192	248	4	215.3x7	10
8.04.226	225	217	273	4	240.7x7	10
8.04.251	250	240	303	4	266.0x7	10
8.04.281	280	268	328	5	295.0x10	10
8.04.316	315	300	378	5	330.0x10	10



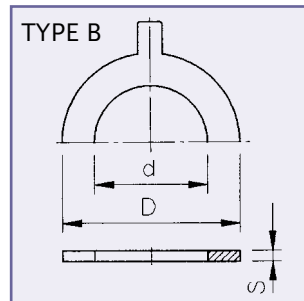
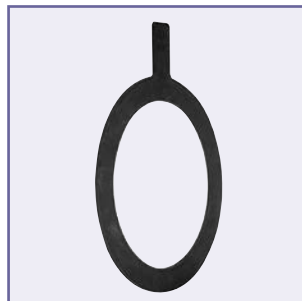
Sealing with T-ring  
Verbinding met T-ring  
Dichtung mit T-Ring  
Joint avec joint T  
Tenuta con T-ring  
Sellado con junta T

# Rubber washer for Flange adaptor

Rubber afdichter voor kraagbus  
 Gummiring für Bundbuchse  
 Joint caoutchouc pour collet  
 Guarnizione di gomma per collare  
 Junta caucho para portabrida

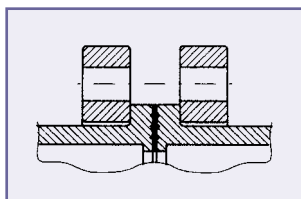


EPDM



EPDM

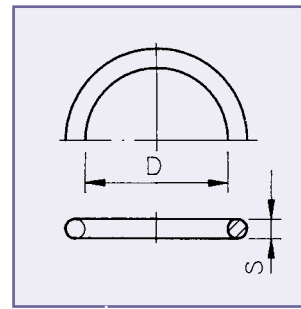
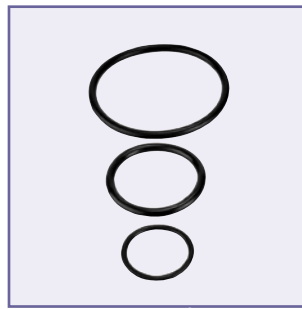
Art.code	Dia	d	D	S	Type	Quantity
8.04.016	16	14	27	2	A	100
8.04.020	20	18	32	2	A	100
8.04.025	25	22	39	2	A	100
8.04.032	32	28	48	2	A	100
8.04.040	40	35	59	3	A	100
8.04.050	50	45	71	3	A	150
8.04.063	63	60	88	3	A	75
8.04.075	75	70	104	3	A	50
8.04.090	90	85	123	3	A	40
8.04.110	110	105	148	4	A	25
8.04.125	125	120	168	4	A	10
8.04.140	140	135	186	4	A	10
8.04.160	160	155	211	4	A	10
8.04.200	200	192	248	4	B	10
8.04.225	225	217	273	4	B	10
8.04.250	250	240	303	4	B	10
8.04.280	280	268	328	5	B	10
8.04.315	315	300	378	5	B	10
8.04.355	355	340	430	5	A	10
8.04.400	400	385	482	5	A	10



Sealing with flat ring  
 Verbinding met vlakke ring  
 Dichtung mit flachem Ring  
 Joint avec joint plat  
 Tenuta con guarnizione piana  
 Sellado con junta

## O-Ring for Flange adaptor

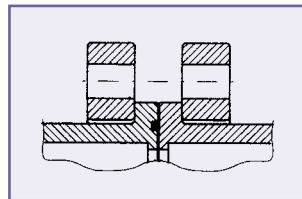
O-Ring voor kraagbus  
 O-Ring für Bundbuchse  
 Joint Torique pour collet  
 O-Ring per collare  
 Junta torica para portabrida



EPDM

PVC-u metric

Art.code	Dia	D	S	Quantity
8.06.200	200	215.30	7.00	10
8.06.225	225	240.70	7.00	10
8.06.250	250	266.00	7.00	10
8.06.280	280	295.00	10.00	10
8.06.315	315	330.00	10.00	10



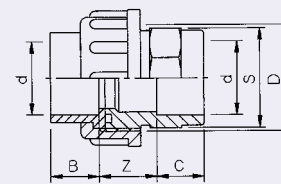
Sealing with O-ring  
 Verbindung mit O-ring  
 Dichtung mit O-Ring  
 Joint avec joint torique  
 Tenuta con O-ring  
 Sellado con junta torica

## Adaptor union

Spuitsgietskoppeling  
 Verschraubung  
 Raccord union  
 Bocchettone  
 Enlace de unión



TYPE A



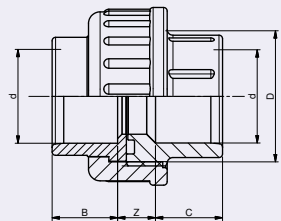
PVC-u



EPDM



TYPE B



PVC-u

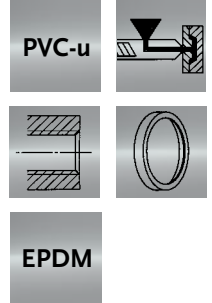
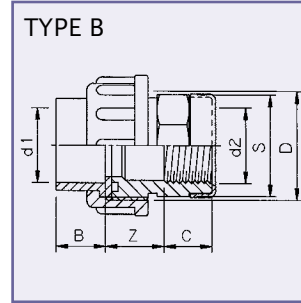
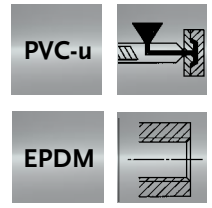
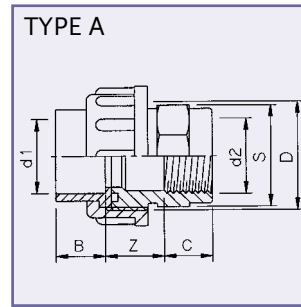


EPDM

Art.code	d	Z	B	C	D	S	PN	Type	Quantity
3.60.010	10	22	12	12	5/8"	23	16	A	200
3.60.012	12	22	12	12	5/8"	23	16	A	200
3.60.016	16	23	14	14	3/4"	25	16	A	200
3.60.020	20	25	16	16	1"	30	16	A	100
3.60.025	25	23	19	19	1 1/4"	36	16	A	60
3.60.032	32	24	22	22	1 1/2"	44	16	A	150
3.60.040	40	23	26	26	2"	54	16	A	100
3.60.050	50	23	31	31	2 1/4"	64	16	A	60
3.60.063	63	20	38	38	2 3/4"	80	16	A	45
3.60.075	75	28	44	44	ZGTD	94	10	A	25
3.60.090	90	34	51	51	ZGTD	114	10	A	15
3.60.110	110	36	61	61	ZGTD	138	10	A	10
3.60.019	20	14	16	16	1"	-	16	B	100
3.60.024	25	14	19	19	1 1/4"	-	16	B	60
3.60.031	32	14	22	22	1 1/2"	-	16	B	150
3.60.039	40	16	26	26	2"	-	16	B	100
3.60.049	50	18	31	31	2 1/4"	-	16	B	60
3.60.062	63	22	38	38	2 3/4"	-	16	B	45

## Adaptor union

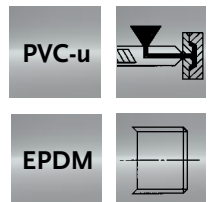
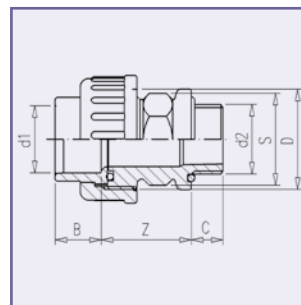
Spuitgietkoppeling  
 Verschraubung  
 Raccord union  
 Bocchettone  
 Enlace de unión



Art.code	d1	d2	Z	B	C	D	S	Type	PN	Quantity
3.65.010	10	1/4" (F)	22	12	12	5/8"	23	A	16	100
3.65.012	12	1/4" (F)	22	12	12	5/8"	23	A	16	100
3.65.016	16	3/8" (F)	25	14	12	3/4"	25	A	10	100
3.65.017	16	3/8" (F)	25	14	12	3/4"	25	B	16	100
3.65.020	20	1/2" (F)	25	16	16	1"	30	A	10	100
3.65.021	20	1/2" (F)	25	16	16	1"	30	B	16	100
3.65.025	25	3/4" (F)	25	19	17	1 1/4"	36	A	10	60
3.65.026	25	3/4" (F)	25	19	17	1 1/4"	36	B	16	60
3.65.032	32	1" (F)	25	22	21	1 1/2"	44	A	10	100
3.65.033	32	1" (F)	25	22	21	1 1/2"	44	B	16	100
3.65.040	40	1 1/4" (F)	26	26	23	2"	54	A	10	80
3.65.041	40	1 1/4" (F)	26	26	23	2"	54	B	16	80
3.65.050	50	1 1/2" (F)	31	31	23	2 1/4"	64	A	10	60
3.65.051	50	1 1/2" (F)	31	31	23	2 1/4"	64	B	16	60
3.65.063	63	2" (F)	31	38	27	2 3/4"	80	A	10	45
3.65.064	63	2" (F)	31	38	27	2 3/4"	80	B	16	45
3.65.075	75	2 1/2" (F)	41	44	30	ZGTD	94	B	10	10
3.65.090	90	3" (F)	51	51	34	ZGTD	114	B	10	10
3.65.110	110	4" (F)	55	61	41	ZGTD	138	B	10	10

## Adaptor union with O-ring

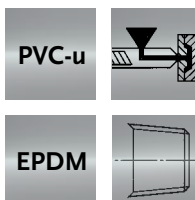
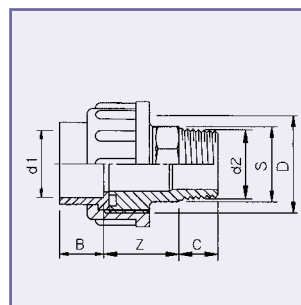
Koppeling met O-ring (zwembadkoppeling)  
 Verschraubung mit O-Ring  
 Raccord union avec joint torique  
 Bocchettone a O-ring  
 Enlace de unión con junta torica



Art.code	d1	d2	Z	B	C	D	S	PN	Quantity
3.68.018	16	3/8"(M)	36.5	14	10	3/4"	25	10	50
3.68.022	20	1/2"(M)	40	16	10	1"	28	10	50
3.68.027	25	3/4"(M)	42	19	12	1 1/4"	32	10	60
3.68.034	32	1"(M)	43	22	15	1 1/2"	38	10	100
3.68.042	40	1 1/4"(M)	48	26	15	2"	46	10	50
3.68.052	50	1 1/2"(M)	53.5	31	18	2 1/4"	55	10	50
3.68.053	50	2"(M)	53.5	31	23.5	2 1/4"	55	10	25
3.68.065	63	2"(M)	54.5	38	23.5	2 3/4"	65	10	25

## Adaptor union

Spuitgietskoppeling  
Verschraubung  
Raccord union  
Bocchettone  
Enlace de unión

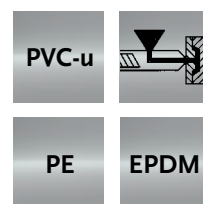
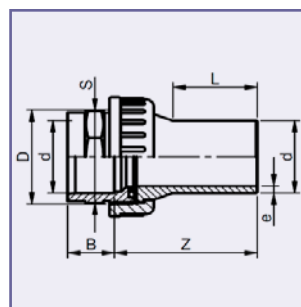


PVC-u metric

Art.code	d1	d2	Z	B	C	D	S	PN	Quantity
3.70.010	10	1/4" (M)	27	12	12	5/8"	23	16	100
3.70.012	12	1/4" (M)	27	12	12	5/8"	23	16	100
3.70.016	16	3/8" (M)	31	14	12	3/4"	24	16	100
3.70.020	20	1/2" (M)	32	16	17	1"	28	16	100
3.70.025	25	3/4" (M)	26	19	17	1 1/4"	32	16	60
3.70.032	32	1" (M)	35	22	22	1 1/2"	38	16	100
3.70.040	40	1 1/4" (M)	38	26	24	2"	46	16	80
3.70.050	50	1 1/2" (M)	41	31	24	2 1/4"	55	16	60
3.70.063	63	2" (M)	44	38	28	2 3/4"	65	16	45
3.70.075	75	2 1/2" (M)	56	44	34	ZGTD	94	10	25
3.70.090	90	3" (M)	68	51	37	ZGTD	114	10	15
3.70.110	110	4" (M)	77	60	43	ZGTD	138	10	8

## PVC-PE adaptor union

PVC-PE overgangskoppeling  
PVC-PE Übergangverschraubung  
Raccord union d'adaption PVC-PE  
Bocchettone PVC-PE  
Enlace de unión PVC-PE



Art.code	d	D	B	Z	S	L	e	SDR	P (bar)*	Quantity
3.63.063	63	2 3/4"	38	116	80	70	5.8	11	12.5	3
3.63.064	63	2 3/4"	38	116	80	70	3.8	17	7.5	3
3.63.075	75	ZGTD	44	140	94	81	6.8	11	7.5	3
3.63.076	75	ZGTD	44	140	94	81	4.5	17	7.5	3
3.63.090	90	ZGTD	51	159	114	90	8.2	11	7.5	2
3.63.091	90	ZGTD	51	159	114	90	5.4	17	7.5	2

### \*Remarks

- Maximum working pressure (P) for water at 20°C and constant load
- For use at higher temperatures or varying loads, additional reduction factors must be taken into account

### \*Opmerkingen

- Maximale werkdruk (P) voor water van 20°C en bij constante belasting
- Voor gebruik bij hogere temperaturen of wisselende belastingen moet rekening gehouden worden met extra reductie factoren

### \*Bemerkungen

- Maximaler Betriebsdruck (P) für Wasser bei 20°C und bei konstanter Belastung
- Für Einsatz bei höheren Temperaturen oder wechselnden Belastung müssen zusätzliche Reduktionsfaktoren berücksichtigt werden

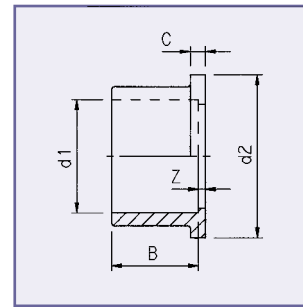
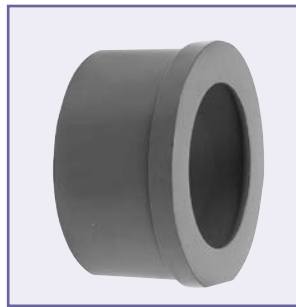
### \*Remarques

- Pression de service maximale (P) pour l'eau à 20°C et à charge constante
- Pour utilisation à des températures élevées ou des charges variables, des facteurs de réduction additional doit être pris en compte



## Collar (parts)

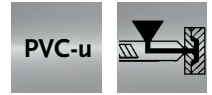
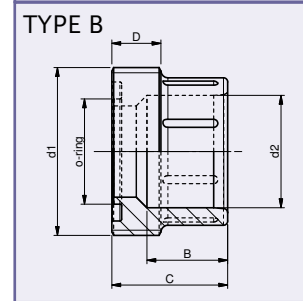
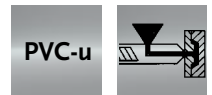
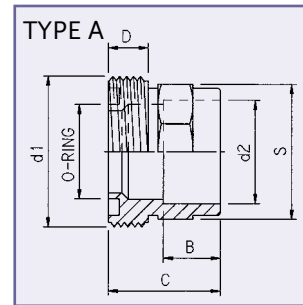
- Inlegstuk
- Bundbuchse
- Collet
- Collare
- Portabrida



Art.code	d1	d2	Z	B	C	Quantity
8.25.010	10	5/8"	3	12	4	50
8.25.012	12	5/8"	3	12	4	50
8.25.016	16	3/4"	4	14	5	50
8.25.020	20	1"	4	16	5	50
8.25.025	25	1 1/4"	4	19	6	50
8.25.032	32	1 1/2"	4	22	6	50
8.25.040	40	2"	4	26	7	25
8.25.050	50	2 1/4"	4	31	7	25
8.25.063	63	2 3/4"	4	38	8	25
8.25.075	75	ZGTD	5	44	9	10
8.25.090	90	ZGTD	7	51	10	5
8.25.110	110	ZGTD	7	61	12	5

## Adapter nipple (parts)

- Draadeind
- Gewindestück
- Collet d'union fileté
- Adattore a filetto
- Nipple adaptador

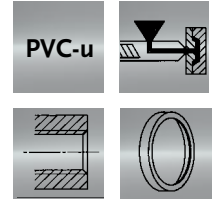
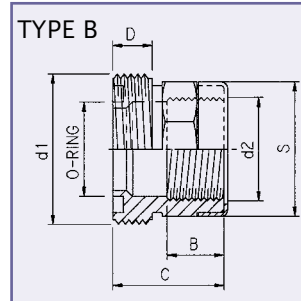
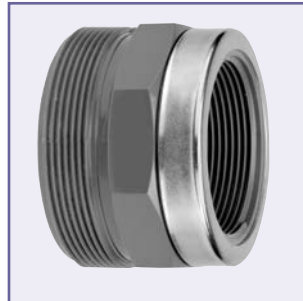
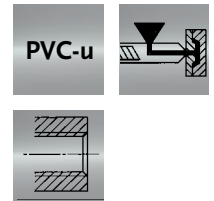
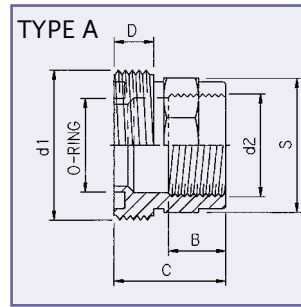
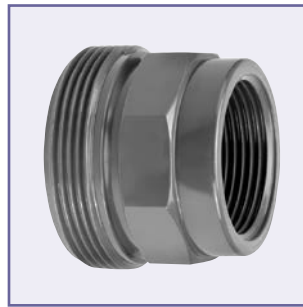


Art.code	d1	d2	B	C	D	S	O-ring	Type	Quantity
8.22.010	5/8" (M)	10	12	31	10	23	12.37x2.62	A	50
8.22.012	5/8" (M)	12	12	31	10	23	12.37x2.62	A	50
8.22.016	3/4" (M)	16	14	33	11	25	15.55x2.62	A	50
8.22.019	1" (M)	20	16	37	12	30	20.22x3.53	B	50
8.22.020	1" (M)	20	16	26	12	-	20.22x3.53	A	50
8.22.024	1 1/4" (M)	25	19	29	12	-	28.17x3.53	B	50
8.22.025	1 1/4" (M)	25	19	38	12	36	28.17x3.53	A	50
8.22.031	1 1/2" (M)	32	22	33	14	-	32.92x3.53	B	50
8.22.032	1 1/2" (M)	32	22	42	14	44	32.92x3.53	A	50
8.22.039	2" (M)	40	26	39	16	-	40.64x5.33	B	50
8.22.040	2" (M)	40	26	45	16	54	40.64x5.33	A	25
8.22.049	2 1/4" (M)	50	31	46	18	-	46.99x5.33	B	25
8.22.050	2 1/4" (M)	50	31	50	18	64	46.99x5.33	A	25
8.22.062	2 3/4" (M)	63	38	56	20	-	59.69x5.33	B	25
8.22.063	2 3/4" (M)	63	38	54	20	80	59.69x5.33	A	25
8.22.075	ZGTD	75	44	66	30	94	78.74x5.33	A	10
8.22.090	ZGTD	90	51	77	35	114	97.79x5.33	A	5
8.22.110	ZGTD	110	61	89	40	138	117.5x5.33	A	5



## Adapter nipple (parts)

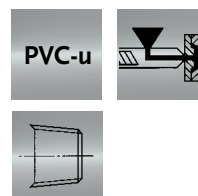
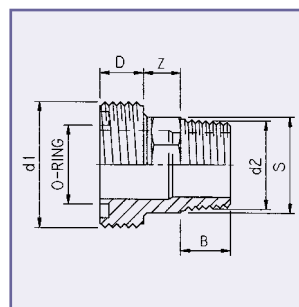
Draadeind  
Gewindestück  
Collet d'union fileté  
Adattore a filetto  
Nipple adaptador



Art.code	d1	d2	B	C	D	S	O-ring	Type	Quantity
8.23.012	5/8" (M)	1/4" (F)	12	31	10	23	12.37x2.62	A	50
8.23.016	3/4" (M)	3/8" (F)	12	33	11	25	15.55x2.62	A	50
8.23.017	3/4" (M)	3/8" (F)	12	33	11	25	15.55x2.62	B	50
8.23.020	1" (M)	1/2" (F)	16	37	12	30	20.22x3.53	A	50
8.23.021	1" (M)	1/2" (F)	16	37	12	30	20.22x3.53	B	50
8.23.025	1 1/4" (M)	3/4" (F)	17	38	12	36	28.17x3.53	A	50
8.23.026	1 1/4" (M)	3/4" (F)	17	38	12	36	28.17x3.53	B	50
8.23.032	1 1/2" (M)	1" (F)	21	42	14	44	32.92x3.53	A	50
8.23.033	1 1/2" (M)	1" (F)	21	42	14	44	32.92x3.53	B	50
8.23.040	2" (M)	1 1/4" (F)	23	45	16	54	40.64x5.33	A	25
8.23.041	2" (M)	1 1/4" (F)	23	45	16	54	40.64x5.33	B	25
8.23.050	2 1/4" (M)	1 1/2" (F)	23	50	18	64	46.99x5.33	A	25
8.23.051	2 1/4" (M)	1 1/2" (F)	23	50	18	64	46.99x5.33	B	25
8.23.063	2 3/4" (M)	2" (F)	27	54	20	80	59.69x5.33	A	25
8.23.064	2 3/4" (M)	2" (F)	27	54	20	80	59.69x5.33	B	25
8.23.075	ZGTD	2 1/2" (F)	31	66	30	94	78.74x5.33	B	10
8.23.090	ZGTD	3" (F)	34	77	35	114	97.79x5.33	B	5
8.23.110	ZGTD	4" (F)	41	88	40	138	117.5x5.33	B	5

## Adapter nipple (parts)

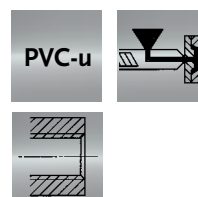
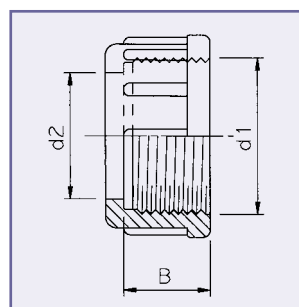
Draaeind  
Gewindestück  
Collet d'union fileté  
Adattore a filetto  
Nipple adaptador



Art.code	d1	d2	Z	B	D	S	O-ring	Quantity
8.24.012	5/8" (M)	1/4" (M)	14	12	10	23	12.37x2.62	50
8.24.016	3/4" (M)	3/8" (M)	15	12	11	25	15.55x2.62	50
8.24.020	1" (M)	1/2" (M)	17	16	12	28	20.22x3.53	50
8.24.025	1 1/4" (M)	3/4" (M)	18	17	12	32	28.17x3.53	50
8.24.032	1 1/2" (M)	1" (M)	18	21	14	38	32.92x3.53	50
8.24.040	2" (M)	1 1/4" (M)	19	24	16	46	40.64x5.33	25
8.24.050	2 1/4" (M)	1 1/2" (M)	19	24	18	55	46.99x5.33	25
8.24.063	2 3/4" (M)	2" (M)	20	28	20	65	59.69x5.33	25
8.24.075	ZGTD	2 1/2" (M)	21	34	30	94	78.74x5.33	10
8.24.090	ZGTD	3" (M)	25	37	35	114	97.79x5.33	5
8.24.110	ZGTD	4" (M)	28	43	40	138	117.5x5.33	5

## Union nut (parts)

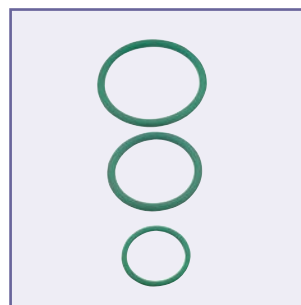
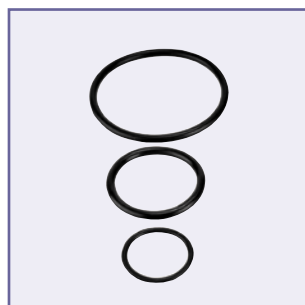
Wartelmoer  
Überwurfmutter  
Écrou de raccord  
Ghiera  
Tuerca de enlace



Art.code	Dia	d1	d2	B	Quantity
8.20.010	10/12	5/8" (F)	18	14	50
8.20.016	16	3/4" (F)	22	16	50
8.20.020	20	1" (F)	27	16	50
8.20.025	25	1 1/4" (F)	36	19	50
8.20.032	32	1 1/2" (F)	41	19	50
8.20.040	40	2" (F)	53	22	25
8.20.050	50	2 1/4" (F)	60	24	25
8.20.063	63	2 3/4" (F)	75	29	25
8.20.075	75	ZGTD" (F)	90	39	10
8.20.090	90	ZGTD (F)	108	44	5
8.20.110	110	ZGTD" (F)	130	49	5

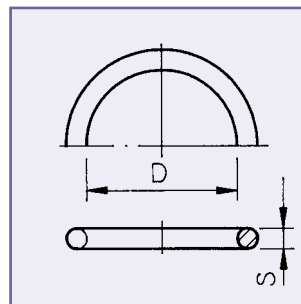
## O-ring for union (parts)

O-ring voor spuitgietskoppeling  
 O-ring für Verschraubung  
 Joint torique pour raccord union  
 O-ring per bocchettone  
 Junta torica para enlace de unión



VITON®

EDPM



PVC-u metric

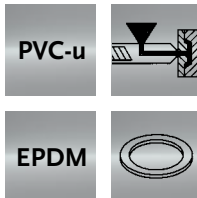
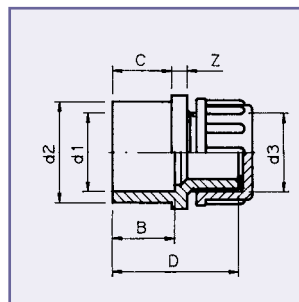
Art.code	Dia	D	S	Quantity
8.06.016	16	15.55	2.62	100
8.06.020	20	20.22	3.53	250
8.06.025	25	28.17	3.53	500
8.06.032	32	32.92	3.53	100
8.06.040	40	40.64	5.33	100
8.06.050	50	46.99	5.33	100
8.06.063	63	59.69	5.33	100
8.06.075	75	78.74	5.33	50
8.06.090	90	97.79	5.33	50
8.06.110	110	117.50	5.33	50

## VITON (F.P.M Colour = green)

Art.code	Dia	D	S	Quantity
8.36.016	16	15.55	2.62	10
8.36.020	20	20.22	3.53	10
8.36.025	25	28.17	3.53	10
8.36.032	32	32.92	3.53	10
8.36.040	40	40.64	5.33	10
8.36.050	50	46.99	5.33	10
8.36.063	63	59.69	5.33	10
8.36.075	75	78.74	5.33	1
8.36.090	90	97.79	5.33	1

## End part

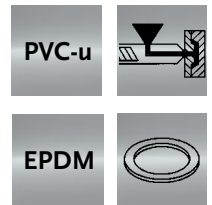
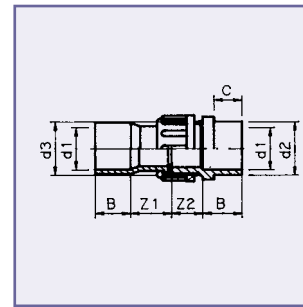
Eindset  
 Enverschluss  
 Bouchon terminal  
 Tappo final  
 Tapón terminal



Art.code	d1	d2	d3	Z	B	C	D	PN	Quantity
3.77.016	16	-	1/2"	8	14	-	38	10	250
3.77.020	20	-	1/2"	8	16	-	40	10	250
3.77.025	25	32	3/4"	3	19	22	42	10	500
3.77.032	32	40	1"	2	22	24	44	10	250
3.77.035	32	40	1 1/4"	2	22	24	44	10	200
3.77.040	40	50	1 1/4"	10	26	27	60	10	125

### 3/3 Union

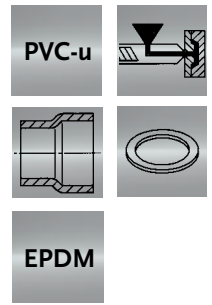
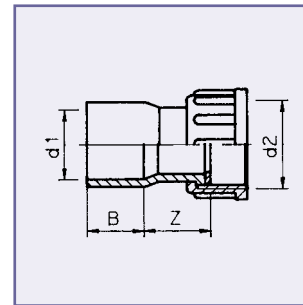
3/3 Koppeling  
 3/3 Verschraubung  
 Raccord union à 3 pieces  
 Bocchettone à 3  
 Racor union 3 piezas



Art.code	d1	d2	d3	Z1	Z2	B	C	PN	Quantity
5.10.025	25	32	1"	28	23	28	22	10	250
5.10.032	32	40	1 1/4"	29	21	29	23	10	200
5.10.040	40	50	1 1/2"	36	34	32	28	10	100
5.10.050	50	-	2"	42	39	39	33	10	60
5.10.063	63	75	2 1/2"	44	35	46	42	10	30
5.10.075	75	90	3"	54	38	56	45	6	24

### 2/3 Union

2/3 Koppeling  
 2/3 Verschraubung  
 Raccord union à 2 pieces  
 Bocchettone à 2  
 Racor union 2 piezas



Art.code	d1	d2	Z	B	PN	Quantity
5.15.010	25	1" (F)	30	27	16	250
5.15.015	32	1" (F)	36	27	10	200
5.15.020	32	1 1/4" (F)	29	27	16	250
5.15.025	40	1 1/4" (F)	37	30	10	100
5.15.030	40	1 1/2" (F)	35	35	16	200
5.15.035	50	1 1/2" (F)	45	32	10	100
5.15.040	50	2" (F)	38	42	16	100
5.15.043	63	2" (F)	57	46	10	25
5.15.045	63	2 1/2" (F)	48	42	10	50
5.15.048	75	2 1/2" (F)	52	40	6	25
5.15.050	75	3" (F)	50	55	6	25
5.15.055	90	3" (F)	50	62	6	25

## 2/3 Union

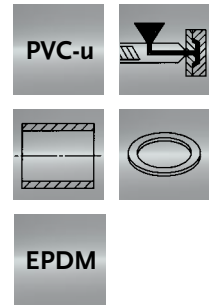
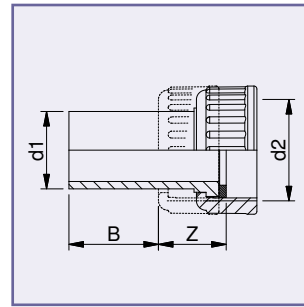
2/3 Koppeling

2/3 Verschraubung

Raccord union à 2 pieces

Bocchettone à 2

Racor union 2 piezas



PVC-u metric

Art.code	d1	d2	Z	B	PN	Quantity
5.14.020	32	1 1/4" (F)	25	40	16	100
5.14.030	40	1 1/2" (F)	30	47	16	100
5.14.040	50	2" (F)	32	56	16	50
5.14.045	63	2 1/2" (F)	36	63	10	50
5.14.050	75	3" (F)	42	78	6	25

## Rubber washer for coupling (parts)

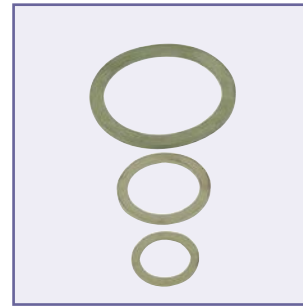
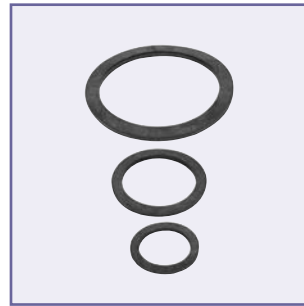
Rubber afdichtring voor koppeling

Gummiring für Verschraubung

Joint plat pour union

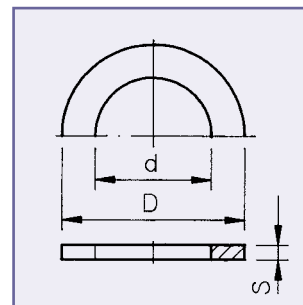
Guarnizione di gomma per bocchettone

Junta caucho para racor unión



VITON

EDPM



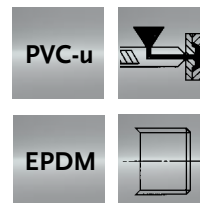
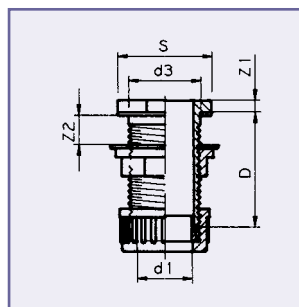
Art.code	Dia	d	D	S	Quantity
8.05.020	1"	18.5	30	2	500
8.05.025	1 1/4"	29	39	3	500
8.05.030	1 1/2"	34	45	3	300
8.05.035	2"	44	57	3	150
8.05.040	2 1/2"	57	73	4	100
8.05.045	3"	67	85	4	50

VITON (F.P.M Colour = green)

Art.code	Dia	d	D	S	Quantity
8.35.020	1"	18.5	30	2	10
8.35.025	1 1/4"	29	39	3	10
8.35.030	1 1/2"	34	45	3	10
8.35.035	2"	44	57	3	10
8.35.040	2 1/2"	57	73	4	10
8.35.045	3"	67	85	4	10

## Table duct with clamping nut

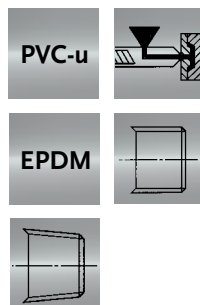
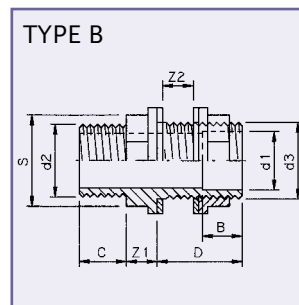
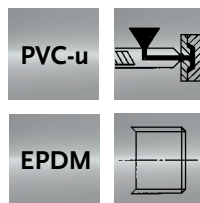
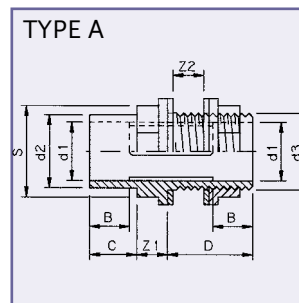
Doorvoer met klemring  
 Durchführung mit Klemmutter  
 Traversée de paroi avec ecrou de calage  
 Passagio per serbatoio con dado  
 Pasamuro con anillo de presión



Art.code	d1	d3	Z1	Z2	D	S	Quantity
5.16.022	20	3/4" (M)	8	0-25	56	32	100
5.16.027	25	1" (M)	10	0-25	60	40	100
5.16.032	32	1 1/4" (M)	7	0-25	66	55	100
5.16.040	40	1 3/4" (M)	7	0-25	78	74	80
5.16.054	50	2" (M)	9	0-30	84	78	45
5.16.064	63	2 1/2" (M)	9	0-30	90	100	30

## Tank connector

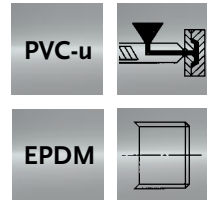
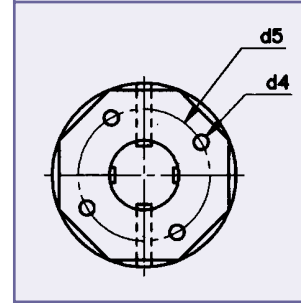
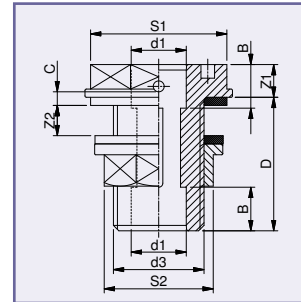
Tankdoorvoer  
 Behälteranschluss  
 Traversée de pario  
 Passagio  
 Pasamuro



Art.code	d1	d2	d3	Z1	Z2	B	C	D	S	Type	Quantity
5.16.020	20	25	3/4" (M)	13	0-23	16	19	42	32	A	50
5.16.021	20	3/4" (M)	3/4" (M)	13	0-23	16	17	42	32	B	50
5.16.025	25	32	1" (M)	15	0-23	19	22	45	40	A	50
5.16.026	25	1" (M)	1" (M)	15	0-23	19	21	45	40	B	50
5.16.034	32	40	1 1/4" (M)	17	0-26	22	26	49	50	A	50
5.16.035	32	1 1/4" (M)	1 1/4" (M)	17	0-26	22	23	49	50	B	50
5.16.041	40	50	1 3/4" (M)	19	0-21	26	31	48	60	A	50
5.16.042	40	1 1/2" (M)	1 3/4" (M)	19	0-21	26	23	48	60	B	50
5.16.048	50	63	2" (M)	21	0-21	31	38	52	69	A	45
5.16.049	50	2" (M)	2" (M)	21	0-21	31	27	52	69	B	45
5.16.050	50	63	2 1/4" (M)	21	0-21	31	38	52	76	A	45
5.16.051	50	2" (M)	2 1/4" (M)	21	0-21	31	27	52	76	B	45
5.16.065	63	75	2 1/2" (M)	23	0-23	38	44	53	85	A	24
5.16.066	63	2 1/2" (M)	2 1/2" (M)	23	0-23	38	31	53	85	B	24
5.16.075	75	90	3" (M)	26	0-20	44	51	56	100	A	21
5.16.076	75	3" (M)	3" (M)	26	0-20	44	34	56	100	B	21
5.16.090	90	110	M113 (M)	32	0-20	51	61	62	126	A	10
5.16.091	90	4" (M)	M113 (M)	32	0-20	51	40	62	126	B	10
5.16.110	110	125	M133 (M)	36	0-22	61	69	66	147	A	10

## Tank connector

Tankdoorvoer  
Behälteranschluss  
Traversée de pario  
Passagio  
Pasamuro

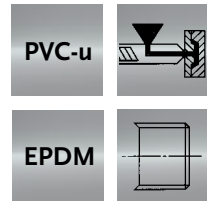
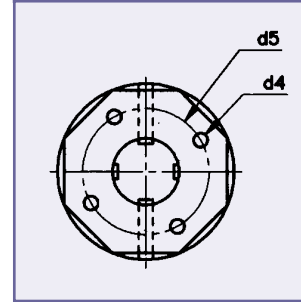
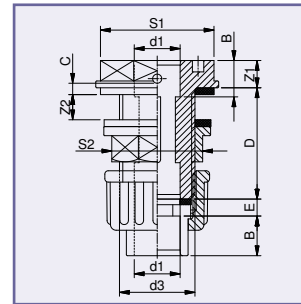


PVC-u metric

Art.code	d1	d3	d4	d5	Z1	Z2	B	C	D	S1	S2	Quantity
5.17.016	16	3/4" (M)	5	29	11	0-28	14	5	47	40	32	50
5.17.020	20	1" (M)	5	36	12	0-28	16	5	49	50	40	50
5.17.025	25	1 1/4" (M)	5	42	13	0-28	19	5	52	50	50	75
5.17.032	32	1 1/2" (M)	5	49	13	0-28	22	5	54	64	56	50
5.17.040	40	2" (M)	5	59	13	0-29	26	6	59	78	69	45
5.17.050	50	2 1/4" (M)	5	70	15	0-30	31	6	61	85	76	45
5.17.063	63	2 3/4" (M)	5	84	15	0-35	38	6	69	100	95	20

## Tank connector with union part

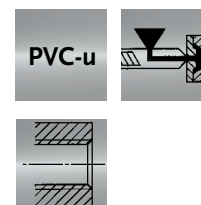
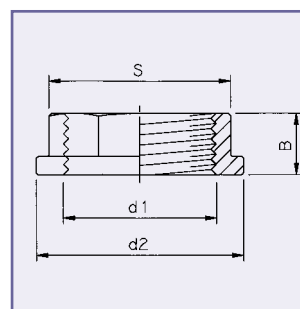
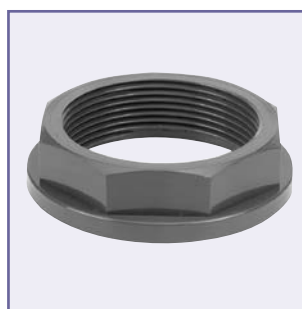
Tankdoorvoer met koppeling  
Behälteranschluss mit Verschraubung  
Traversée de pario avec union  
Passagio con becchettone  
Pasamuro con enlace de unión



Art.code	d1	d3	d4	d5	Z1	Z2	B	C	D	E	S1	S2	Quantity
5.18.016	16	3/4" (M)	5	29	11	0-19	14	5	47	6	40	32	50
5.18.020	20	1" (M)	5	36	12	0-17	16	5	49	6	50	40	50
5.18.025	25	1 1/4" (M)	5	42	13	0-18	19	5	52	6	50	50	75
5.18.032	32	1 1/2" (M)	5	49	13	0-19	22	5	54	6	64	56	50
5.18.040	40	2" (M)	5	59	13	0-16	26	6	59	6.5	78	69	40
5.18.050	50	2 1/4" (M)	5	70	15	0-16	31	6	61	6.5	85	76	40
5.18.063	63	2 3/4" (M)	5	84	15	0-19	38	6	69	6.5	100	95	25

## PVC nut (parts)

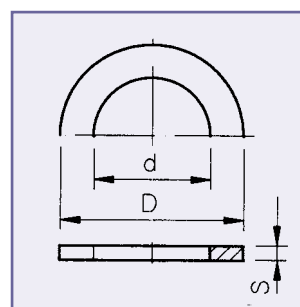
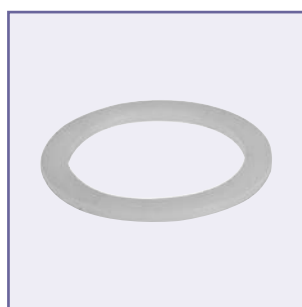
- PVC moer
- PVC Mutter
- PVC écrou
- PVC madrevite
- Tuerca PVC Hexonal



Art.code	d1	d2	B	S	Quantity
8.11.020	3/4" (F)	39	13	32	50
8.11.025	1" (F)	47	15	40	50
8.11.032	1 1/4" (F)	58	17	50	50
8.11.035	1 1/2" (F)	65	18	56	50
8.11.040	1 3/4" (F)	72	19	64	50
8.11.045	2" (F)	79	21	69	50
8.11.050	2 1/4" (F)	86	22	76	50
8.11.063	2 1/2" (F)	95	23	85	25
8.11.065	2 3/4" (F)	106	25	95	25
8.11.075	3" (F)	112	26	100	20
8.11.090	M113 (F)	139	32	127	10
8.11.110	M133 (F)	170	36	154	10
8.11.140	4" (F)	139	32	126	10
8.11.150	5" (F)	170	36	154	10

## PP Slipring (parts)

- PP Glijring
- PP Gleitring
- Joint à glissement
- Amello suvocare
- Junta plana PP



Art.code	Dia	d	D	S	Quantity
8.08.020	3/4"	27	39	3	50
8.08.025	1"	34	47	3	50
8.08.032	1 1/4"	43	58	3	50
8.08.035	1 1/2"	49	65	4	50
8.08.040	1 3/4"	55	72	4	50
8.08.045	2"	61	79	4	50
8.08.050	2 1/4"	67	86	4	50
8.08.063	2 1/2"	77	95	4	25
8.08.065	2 3/4"	83	106	4	20
8.08.075	3"	90	112	5	20
8.08.090	M113	115	139	5	10
8.08.110	M133	135	160	5	10
8.08.125	M140 6G	140	160	5	10



## Rubber washer (parts)

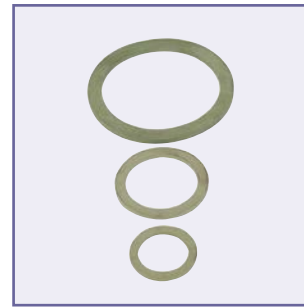
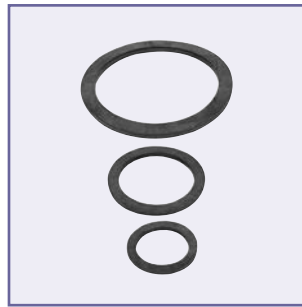
Rubber afdichtring

Gummiring

Joint plat

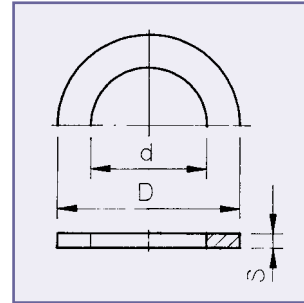
Guarnizione di gomma

Junta caucho



VITON®

EDPM



PVC-u metric

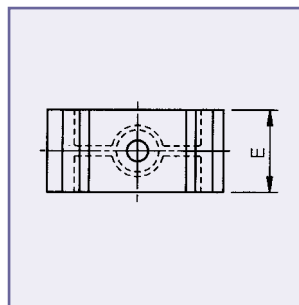
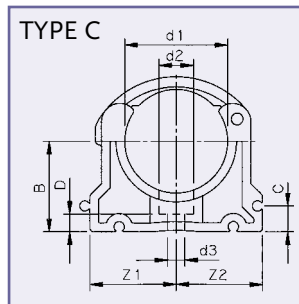
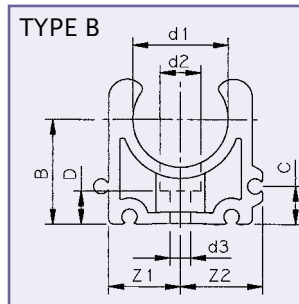
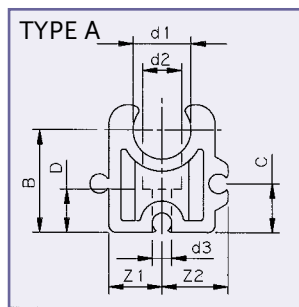
Art.code	Dia	d	D	S	Quantity
8.05.100	3/4"	27	41	3	500
8.05.105	1"	33	50	3	300
8.05.110	1 1/4"	42	60	3	150
8.05.115	1 3/4"	53	75	4	100
8.05.120	2"	59	83	4	100
8.05.125	2 1/4"	65	90	4	50
8.05.130	2 1/2"	75	100	4	50
8.05.047	2 3/4"	83	106	4	50
8.05.050	3"	88	110	5	10
8.05.135	M113	111	145	5	10
8.05.140	M133	133	170	5	10

## VITON (F.P.M Colour = green)

Art.code	Dia	d	D	S	Quantity
8.35.025	3/4"	29	39	3	10
8.35.030	1"	34	45	3	10
8.35.035	1 1/4"	44	57	3	10
8.35.040	1 3/4"-2"	57	73	4	10
8.35.045	2 1/4"	67	85	4	10
8.35.046	2 1/2"	77	95	4	10
8.35.050	3"	88	110	5	10
8.35.055	M113	115	135	5	10

# Tube clip

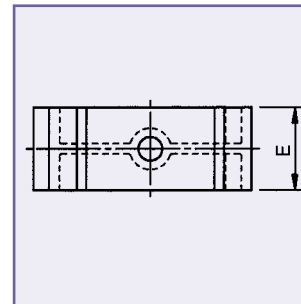
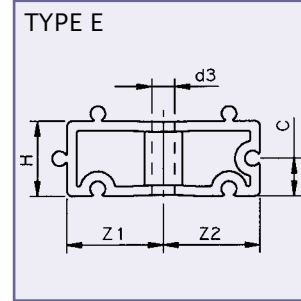
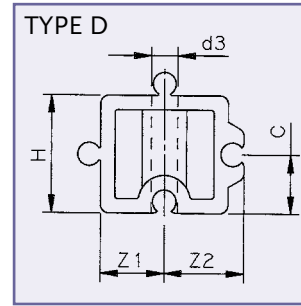
Buisklem  
 Rohrklemme  
 Clip de fixation  
 Supporto per tubi  
 Abrazadera para tubos



Art.code	d1	d2	d3	Z1	Z2	B	C	D	E	Type	Quantity
5.25.010	10	8.3	4.5	11	13.5	20	10	6	12	A	500 (50x10)
5.25.012	12	8.3	4.5	11	13.5	21	10	6	12	A	500 (50x10)
5.25.016	16	10.5	5.5	14	16.5	23	10	6	16	B	400 (40x10)
5.25.020	20	10.5	5.5	16.5	19	25	10	6	16	B	400 (40x10)
5.25.025	25	10.5	5.5	19	21.5	27.5	10	6	16	B	800 (80x10)
5.25.032	32	10.5	5.5	24	26.5	31	10	6	16	B	600 (60x10)
5.25.033	32	14	6.5	28.5	28.5	31	10	6.5	22	C	400 (40x10)
5.25.040	40	14	6.5	33.5	33.5	35	10	6.5	22	C	250 (25x10)
5.25.050	50	14	6.5	37	37	40	10	6.5	22	C	250 (25x10)
5.25.063	63	17	8.5	44.5	44.5	51.5	10	10	25	C	150 (15x10)
5.25.075	75	17	8.5	52	52	57.5	10	10	25	C	80 (8x10)
5.25.090	90	17	8.5	64.5	64.5	65	10	10	28	C	60 (6x10)
5.25.110	110	17	8.5	78	78	75	10	10	28	C	50 (5x10)
5.25.125	125	17	8.5	88	88	90	10	10	31.5	C	40 (4x10)
5.25.140	140	17	8.5	97	97	110	10	10	31.5	C	20 (2x10)
5.25.160	160	17	8.5	109	109	107.5	10	10	31.5	C	20 (2x10)

# Filling block

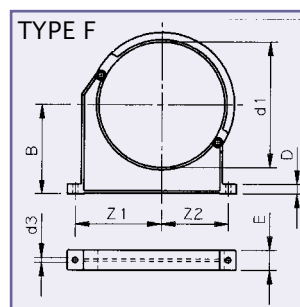
Vulblokje  
 Distanzhalter  
 Bloc à reveler  
 Distanziatore  
 Soporte de relleno



Art.code	Size	d <sub>3</sub>	Z <sub>1</sub>	Z <sub>2</sub>	H	C	E	Type	Quantity
5.24.011	10	4.5	11	13.5	20	10	12	D	500 (50x10)
5.24.011	12	4.5	11	13.5	20	10	12	D	500 (50x10)
5.24.016	16	5.5	14	16.5	20	10	16	E	400 (40x10)
5.24.020	20	5.5	16.5	19	20	10	16	E	400 (40x10)
5.24.025	25	5.5	19	21.5	20	10	16	E	800 (80x10)
5.24.032	32	5.5	24	26.5	20	10	16	E	600 (60x10)
5.24.033	32	6.5	28.5	28.5	20	10	22	E	400 (40x10)
5.24.040	40	6.5	33.5	33.5	20	10	22	E	250 (25x10)
5.24.050	50	6.5	37	37	20	10	22	E	250 (25x10)
5.24.063	63	8.5	44.5	44.5	20	10	25	E	150 (15x10)
5.24.075	75	8.5	52	52	20	10	25	E	80 (8x10)
5.24.090	90	8.5	64.5	64.5	20	10	28	E	100 (10x10)
5.24.110	110	8.5	78	78	20	10	28	E	80 (8x10)
5.24.125	125	8.5	88	88	20	10	31.5	E	150 (15x10)
5.24.140	140	8.5	97	97	20	10	31.5	E	140 (14x10)
5.24.160	160	8.5	109	109	20	10	31.5	E	120 (12x10)

## Tube clamp

Buisbeugel  
Rohrklemme  
Clip de fixation  
Supporto per tubi  
Abrazadera para tubos

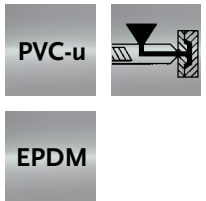
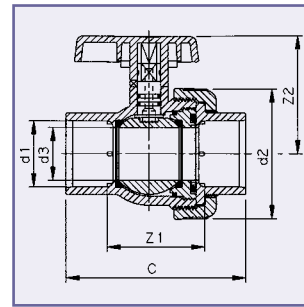


Art.code	d1	d3	Z1	Z2	B	D	E	Type	Quantity
5.26.090	90	9	89	71	105	15	33	F	60
5.26.110	110	9	94	79.5	115	15	33	F	40
5.26.125	125	11	115.5	91	130	20	35	F	40
5.26.140	140	11	120.5	97.5	130	20	35	F	40
5.26.160	160	11	130.5	106.5	147.5	20	35	F	20
5.26.180	180	11	142.5	115	162.5	20	35	F	10
5.26.200	200	13	151.5	119.5	175	25	40	F	10
5.26.225	225	13	164.5	131.5	175	25	40	F	10
5.26.250	250	13	182.5	142.5	200	25	40	F	10
5.26.280	280	13	197.5	155.5	200	25	40	F	10
5.26.315	315	13	218.5	171.5	225	25	40	F	10
5.26.355	355	17	276	210	257	30	50	F	10
5.26.400	400	17	301	230	288	30	50	F	10

Advised installation distances for VDL tube clips and tube clamps can be found on [www.vdl-fittings.com](http://www.vdl-fittings.com)  
 Advies montage afstanden voor VDL buisklemmen en buisbeugels zijn te vinden op [www.vdl-fittings.com](http://www.vdl-fittings.com)  
 Empfohlene Montageabstände für VDL Rohrklemmen und Rohrbügel finden Sie auf [www.vdl-fittings.com](http://www.vdl-fittings.com)  
 Vous trouvez l'avis montage-distances pour les VDL clips de fixation à [www.vdl-fittings.com](http://www.vdl-fittings.com)  
 Lei trovare consiglio per distanza di montaggio per VDL supporto per tubi a [www.vdl-fittings.com](http://www.vdl-fittings.com)  
 Usted encuentre consulta distancia de montaje para VDL abrazadera para tubos en [www.vdl-fittings.com](http://www.vdl-fittings.com)

## Ball valve type: Eil

Kogelkraan type: Eil  
 Kugel Hahn Type: Eil  
 Vanne à boisseau type: Eil  
 Valvola a sfera tipo: Eil  
 Válvula de bola tipo: Eil



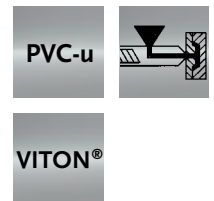
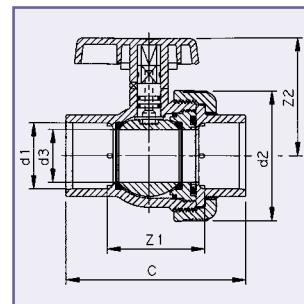
Art.code	d1	d2	d3	Z1	Z2	C	DN	PN	Quantity	Replacement kit
6.05.016	16	59	15	43.5	50	77	10	16	50	6.40.020
6.05.020	20	59	15	43.5	50	77	15	16	50	6.40.020
6.05.025	25	64	20	47.5	55	87	20	16	50	6.40.025
6.05.032	32	73	25	55.0	65	100	25	16	50	6.40.032
6.05.040	40	86	32	61.0	75	114	32	16	25	6.40.040
6.05.050	50	102	40	74.5	90	138	40	16	20	6.40.050
6.05.063	63	124	50	93.0	103	167	50	16	10	6.40.063

Flush out secured.  
 Uitstroom beveiligd.  
 Die kugel ist gesichert gegen herauspülen.

Logement du boisseau sécurisé.  
 Componenti interni della valvola bloccati.  
 Bola y juntas aseguradas contra arresre.

## Ball valve type: Eil

Kogelkraan type: Eil  
 Kugel Hahn Type: Eil  
 Vanne à boisseau type: Eil  
 Valvola a sfera tipo: Eil  
 Válvula de bola tipo: Eil



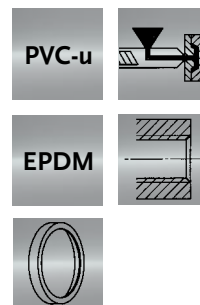
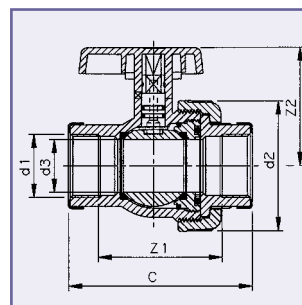
Art.code	d1	d2	d3	Z1	Z2	C	DN	PN	Quantity	Replacement kit
6.06.016	16	59	15	43.5	50	77	10	16	50	6.42.020
6.06.020	20	59	15	43.5	50	77	15	16	50	6.42.020
6.06.025	25	64	20	47.5	55	87	20	16	50	6.42.025
6.06.032	32	73	25	55.0	65	100	25	16	50	6.42.032
6.06.040	40	86	32	61.0	75	114	32	16	25	6.42.040
6.06.050	50	102	40	74.5	90	138	40	16	20	6.42.050
6.06.063	63	124	50	93.0	103	167	50	16	10	6.42.063

Flush out secured.  
 Uitstroom beveiligd.  
 Die kugel ist gesichert gegen herauspülen.

Logement du boisseau sécurisé.  
 Componenti interni della valvola bloccati.  
 Bola y juntas aseguradas contra arresre.

## Ball valve type: Eid

Kogelkraan type: Eid  
 Kugel Hahn Type: Eid  
 Vanne à boisseau type: Eid  
 Valvola a sfera tipo: Eid  
 Válvula de bola tipo: Eid



Art.code	d1	d2	d3	Z1	Z2	C	DN	PN	Quantity	Replacement kit
6.10.016	3/8" (F)	59	15	44.5	50	77	10	16	50	6.40.020
6.10.020	1/2" (F)	59	15	44.5	50	77	15	16	50	6.40.020
6.10.025	3/4" (F)	64	20	52.5	55	87	20	16	50	6.40.025
6.10.032	1" (F)	73	25	58.0	65	100	25	16	50	6.40.032
6.10.040	1 1/4" (F)	86	32	58.0	75	114	32	16	25	6.40.040
6.10.050	1 1/2" (F)	102	40	91.5	90	138	40	16	20	6.40.050
6.10.063	2" (F)	124	50	107.0	103	167	50	16	10	6.40.063

Flush out secured.

Uitstroom beveiligd.

Die kugel ist gesichert gegen herauspülen.

Logement du boisseau sécurisé.

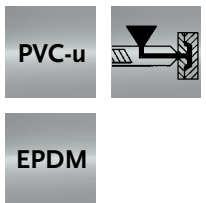
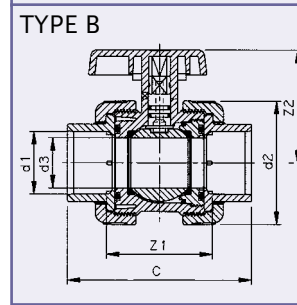
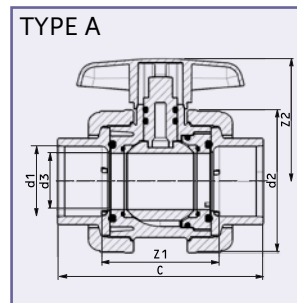
Componenti interni della valvola bloccati.

Bola y juntas aseguradas contra arrestre.

## Ball valve type: Dil

Kogelkraan type: Dil  
 Kugel Hahn Type: Dil  
 Vanne à boisseau type: Dil  
 Valvola a sfera tipo: Dil  
 Válvula de bola tipo: Dil

Flush out secured.  
 Uitstroom beveiligd.  
 Die kugel ist gesichert gegen herauspülen.  
 Logement du boisseau sécurisé.  
 Componenti interni della valvola bloccati.  
 Bola y juntas aseguradas contra arresre.



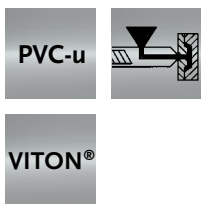
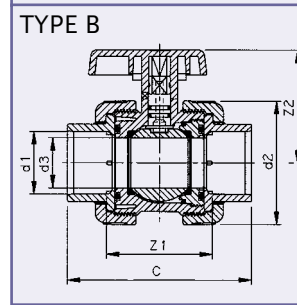
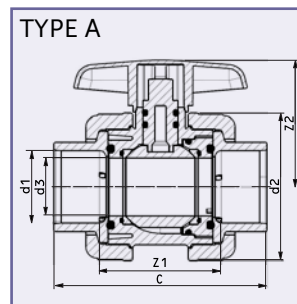
PVC-u metric

Art.code	d1	d2	d3	Z1	Z2	C	DN	PN	Type	Quantity	Replacement kit
6.15.016	16	59	15	54	56	84	10	16	A	50	6.40.021
6.15.020	20	59	15	50	56	84	15	16	A	50	6.40.021
6.15.025	25	64	20	54	57	94	20	16	A	50	6.40.026
6.15.032	32	73	25	64	66	110	25	16	A	50	6.40.033
6.15.040	40	86	32	69	75	122	32	16	A	25	6.40.041
6.15.050	50	102	40	87	90	150	40	16	A	15	6.40.051
6.15.063	63	124	50	102	102	180	50	16	A	10	6.40.064
6.15.075	75	151	63	128	123	217	65	10	B	5	6.40.075
6.15.090	90	178.5	75	152	143	255	80	10	B	3	6.40.090
6.15.110	110	215.5	90	184	161	307	100	10	B	1	6.40.110

## Ball valve type: Dil

Kogelkraan type: Dil  
 Kugel Hahn Type: Dil  
 Vanne à boisseau type: Dil  
 Valvola a sfera tipo: Dil  
 Válvula de bola tipo: Dil

Flush out secured.  
 Uitstroom beveiligd.  
 Die kugel ist gesichert gegen herauspülen.  
 Logement du boisseau sécurisé.  
 Componenti interni della valvola bloccati.  
 Bola y juntas aseguradas contra arresre.



Art.code	d1	d2	d3	Z1	Z2	C	DN	PN	Type	Quantity	Replacement kit
6.16.016	16	59	15	54	56	84	10	16	A	50	6.42.021
6.16.020	20	59	15	50	56	84	15	16	A	50	6.42.021
6.16.025	25	64	20	54	57	94	20	16	A	50	6.42.026
6.16.032	32	73	25	64	66	110	25	16	A	50	6.42.033
6.16.040	40	86	32	69	75	122	32	16	A	25	6.42.041
6.16.050	50	102	40	87	90	150	40	16	A	15	6.42.051
6.16.063	63	124	50	102	102	180	50	16	A	10	6.42.064
6.16.075	75	151	63	128	123	217	65	10	B	5	6.42.075
6.16.090	90	178.5	75	152	143	255	80	10	B	3	6.42.090
6.16.110	110	215.5	90	184	161	307	100	10	B	1	6.42.110

## Ball valve type: Did

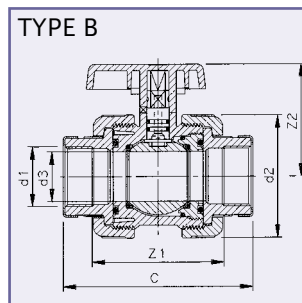
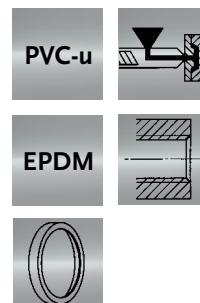
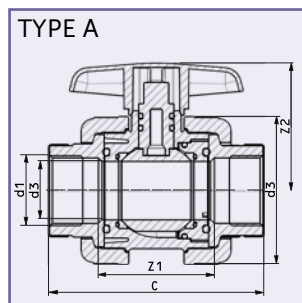
Kogelkraan type: Did

Kugel Hahn Type: Did

Vanne à boisseau type: Did

Valvola a sfera tipo: Did

Válvula de bola tipo: Did



Art.code	Type	d1	d2	d3	Z1	Z2	C	DN	PN	Quantity	Replacement kit
6.20.016	A	3/8" (F)	59	15	52.0	56	84	10	16	50	6.40.021
6.20.020	A	1/2" (F)	59	15	52.0	56	84	15	16	50	6.40.021
6.20.025	A	3/4" (F)	64	20	59.0	57	94	20	16	50	6.40.026
6.20.032	A	1" (F)	73	25	66.0	66	110	25	16	50	6.40.033
6.20.040	A	1 1/4" (F)	86	32	76.0	75	122	32	16	25	6.40.041
6.20.050	A	1 1/2" (F)	102	40	102.0	90	150	40	16	15	6.40.051
6.20.063	A	2" (F)	124	50	107.0	102	180	50	16	10	6.40.064
6.20.075	B	2 1/2" (F)	151	63	144.0	123	217	65	10	5	6.40.075
6.20.090	B	3" (F)	178.5	75	178.0	143	255	80	10	3	6.40.090
6.20.110	B	4" (F)	215.5	90	214.0	161	307	100	10	1	6.40.110

Flush out secured.

Uitstroom beveiligd.

Die kugel ist gesichert gegen herauspülen.

Logement du boisseau sécurisé.

Componenti interni della valvola bloccati.

Bola y juntas aseguradas contra arresre.



## Ball Valves ISO Top

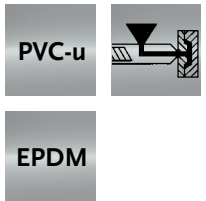
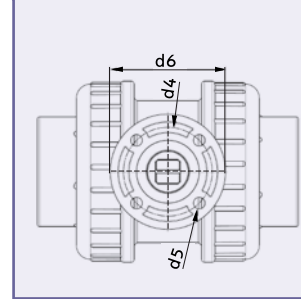
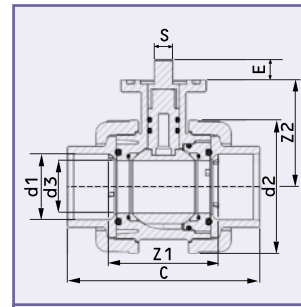
Kogelkranen ISO Top

Kugelhähne ISO Top

Vanne a boisseau ISO Top

Valvola a sfera ISO Top

Válvula de bola ISO Top



PVC-u metric

Art.code	d1	d2	d3	Z1	Z2	C	DN	PN	Quantity
6.14.032	32	73	25	64	60.5	110	25	16	12 (6x2)
6.14.050	50	102	40	87	81.5	150	40	16	6 (6x1)
6.14.063	63	124	50	102	93.5	180	50	16	1

Art.code	d4	d5	d6	E	S	ISO 5211	Torque
6.14.032	42	5.5	54	11	11	ISO 5211 - F04 - Y - L - 11	4.5 Nm*
6.14.050	50	6.5	65	15	14	ISO 5211 - F05 - Y - L - 14	7.5 Nm*
6.14.063	50	6.5	65	15	14	ISO 5211 - F05 - Y - L - 14	11 Nm*

\* Average value at nominal pressure;

The torque of the actuator should be about 2x as high as the average torque value from the Ball Valve to take into account the influence of operating conditions. The exact factor depends upon the application.

\* Gemiddelde waarden bij nominale druk;

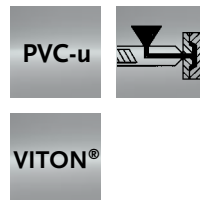
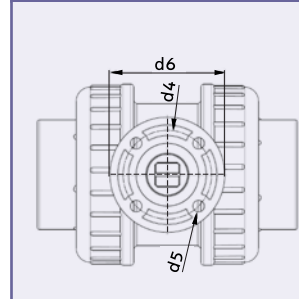
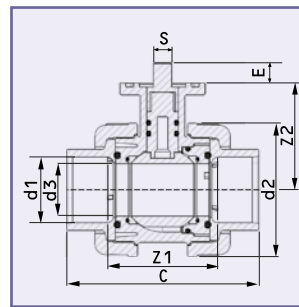
Het koppel van de aandrijving moet ca. 2x zo hoog zijn als het gemiddelde draaimoment van de kogelkraan om rekening te houden met de invloed van gebruikscondities. De exacte hoogte van deze factor is afhankelijk van de toepassing.

\* Mittelwert bei Nominale Druck;

Das Drehmoment des Antriebs muß ungefähr 2x so hoch sein wie das Drehmoment des Kugelhahns wegen Anwendungseinflüsse. Die genaue Faktor ist abhängig von die Anwendung.

## Ball Valves ISO Top

- Kogelkranen ISO Top
- Kugelhähne ISO Top
- Vanne a boisseau ISO Top
- Valvola a sfera ISO Top
- Válvula de bola ISO Top



Art.code	d1	d2	d3	Z1	Z2	C	DN	PN	Quantity
6.17.032	32	73	25	64	60.5	110	25	16	12 (6x2)
6.17.050	50	102	40	87	81.5	150	40	16	6 (6x1)
6.17.063	63	124	50	102	93.5	180	50	16	6 (6x1)

Art.code	d4	d5	d6	E	S	ISO 5211	Torque
6.17.032	42	5.5	54	11	11	ISO 5211 - F04 - Y - L - 11	4.5 Nm*
6.17.050	50	6.5	65	15	14	ISO 5211 - F05 - Y - L - 14	7.5 Nm*
6.17.063	50	6.5	65	15	14	ISO 5211 - F05 - Y - L - 14	11 Nm*

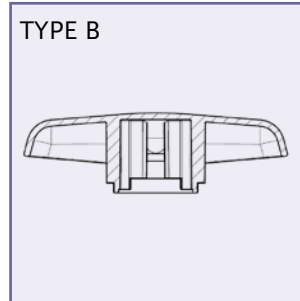
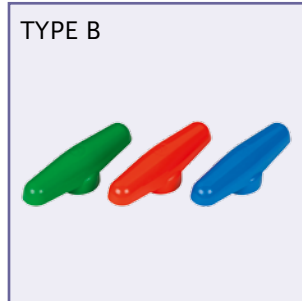
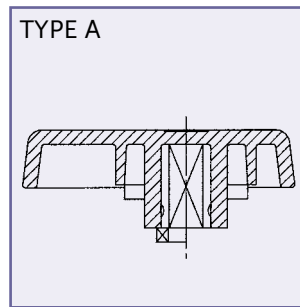
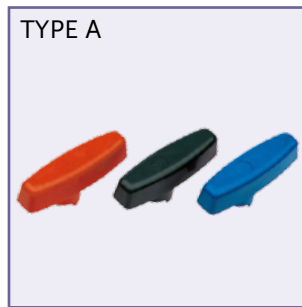
\* Average value at nominal pressure;  
 The torque of the actuator should be about 2x as high as the average torque value from the Ball Valve to take into account the influence of operating conditions. The exact factor depends upon the application.

\* Gemiddelde waarden bij nominale druk;  
 Het koppel van de aandrijving moet ca. 2x zo hoog zijn als het gemiddelde draaimoment van de kogelkraan om rekening te houden met de invloed van gebruikscondities. De exacte hoogte van deze factor is afhankelijk van de toepassing.

\* Mittelwert bei Nominale Druck;  
 Das Drehmoment des Antriebs muß ungefähr 2x so hoch sein wie das Drehmoment des Kugelhahns wegen Anwendungseinflüsse. Die genaue Faktor ist abhängig von die Anwendung.

## Handle for ball valve (parts)

Handgreep kogelkraan  
Handgriff Kugelhahn  
Poignée vanne à boisseau  
Presà di valvola a sfera  
Maneta de válvula de bola



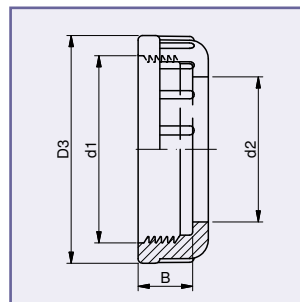
Art.code	Type	Ball Valve	Quantity
8.58.020	A	6.05.016 - 6.05.020 - 6.10.016 - 6.10.020 (+old model type DIL/DID < 2010)	25
8.58.021	B	6.15.016 - 6.15.020 - 6.20.016 - 6.20.020	25
8.58.025	A	6.05.025 - 6.10.025 (+old model type DIL/DID < 2010)	25
8.58.026	B	6.15.025 - 6.20.025	25
8.58.032	A	6.05.032 - 6.10.032 (+old model type DIL/DID < 2010)	25
8.58.033	B	6.15.032 - 6.20.032	25
8.58.040	A	6.05.040 - 6.10.040 (+old model type DIL/DID < 2010)	25
8.58.041	B	6.15.040 - 6.20.040	25
8.58.050	A	6.05.050 - 6.10.050 (+old model type DIL/DID < 2010)	25
8.58.051	B	6.15.050 - 6.20.050	25
8.58.063	A	6.05.063 - 6.10.063 (+old model type DIL/DID < 2010)	25
8.58.064	B	6.15.063 - 6.20.063	25
8.58.075	A	6.15.075 - 6.20.075	10
8.58.090	A	6.15.090 - 6.20.090	10
8.58.110	A	6.15.110 - 6.20.110	10

Art.code	Color	Kleur	Farbe
BLA858***	Blue	Blauw	Blau
GRO858***	Green	Groen	Grün
GRI858***	Grey	Grijs	Grau

Art.code	Color	Kleur	Farbe
WIT858***	White	Wit	Weiß
ZWA858**	Black	Zwart	Schwarz

## Union nutt ball valve (parts)

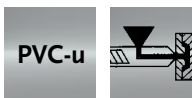
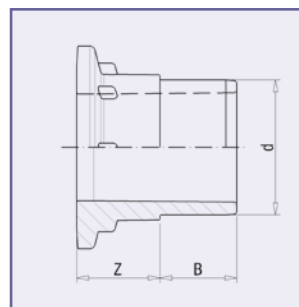
Wartel kogelkraan  
Überwurfmutter Kugelhahn  
Écrou vanne à boisseau  
Gheira valvola a sfera  
Tuerca union válvula



Art.code	d1	d2	d3	B	DN	Quantity
6.24.020	47	32.0	59	16	10/15	50
6.24.025	51	38.0	64	19	20	50
6.24.032	59	46.5	73	22	25	50
6.24.040	70	55.5	86	26	32	25
6.24.050	84	66.0	102	31	40	20
6.24.063	101	83.0	124	38	50	20
6.24.075	127	98.0	151	36	65	10
6.24.090	152	116.0	158.5	43	80	10
6.24.110	182	139.0	215.5	57	100	10

## Collar male spigot (option)

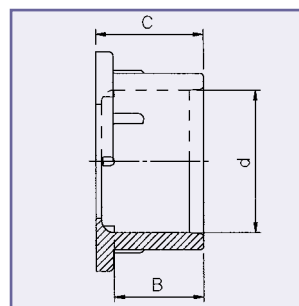
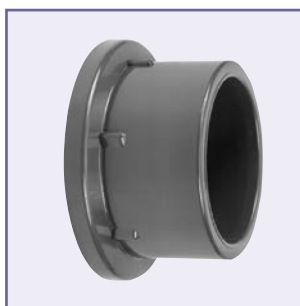
Inlegstuk uitwendig lijm  
 Bundbuchse Klebestutzen  
 Collet à collar male  
 Collare maschio  
 Portabrida encolar macho



Art.code	d	Z	B	DN	Quantity
6.25.050	50	33	31	40	1
6.25.063	63	39	38	50	1

## Collar solvent socket (parts)

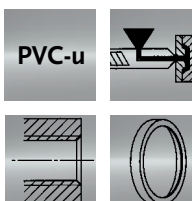
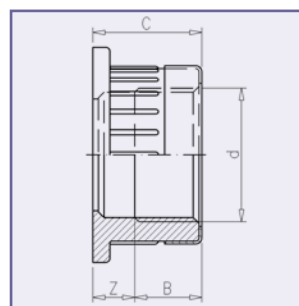
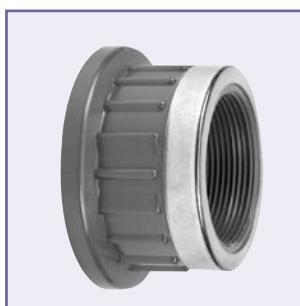
Inlegstuk inwendig lijm  
 Bundbuchse Klebemuffe  
 Collet à collar femelle  
 Collare a attacchi incollaggio  
 Portabrida encolar



Art.code	d	B	Z	DN	Quantity
6.26.016	16	14	20.5	10	50
6.26.020	20	16	20.5	15	50
6.26.025	25	19	23.5	20	50
6.26.032	32	22	27.5	25	50
6.26.040	40	26	32.0	32	25
6.26.050	50	31	38.0	40	20
6.26.063	63	38	49.0	50	20
6.26.075	75	44	54.5	65	10
6.26.090	90	51	63.0	80	10
6.26.110	110	61	76.5	100	10

## Collar female threaded (parts)

Inlegstuk inwendig draad  
 Bundbuchse Innengewinde  
 Collet taraudé  
 Collare attacchi filetati femmina  
 Portabrida encolar rosca hembra



Art.code	d	B	L	Z	DN	Quantity
6.30.016	3/8" (F)	13	20.5	7.5	10	50
6.30.020	1/2" (F)	17	20.5	3.5	15	50
6.30.025	3/4" (F)	19	23.5	4.5	20	50
6.30.032	1" (F)	21	27.5	6.5	25	50
6.30.040	1 1/4" (F)	21	32.0	11	32	25
6.30.050	1 1/2" (F)	29	38.0	9	40	20
6.30.063	2" (F)	32	49.0	17	50	20
6.30.075	2 1/2" (F)	36	54.5	18.5	65	10
6.30.090	3" (F)	39	63.0	24	80	10
6.30.110	4" (F)	46	76.5	30.5	100	10

## PE connector for ball valve (option)

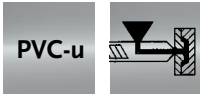
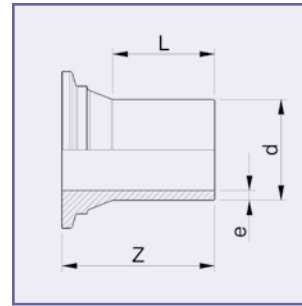
PE inlegdeel voor kogelkraan

PE Einlegeteil für Kugelhahn

Pièce folle en PE pour vanne à bille

Collare PE valvola a sfera

Portabrida PE válvula de bola



Art.code	d	Z	L	e	SDR	(bar) P*	Quantity
6.31.020	20	67	45	2.0	11	12.5	25
6.31.025	25	68	45	2.3	11	12.5	25
6.31.032	32	71	45	3.0	11	12.5	25
6.31.040	40	80	50	3.7	11	12.5	15
6.31.050	50	89	57	4.6	11	12.5	10
6.31.063	63	105	70	5.8	11	12.5	5
6.31.064	63	105	70	3.8	17	7.5	5
6.31.075	75	123	81	6.8	11	7.5	5
6.31.076	75	123	81	4.5	17	7.5	5
6.31.090	90	137	90	8.2	11	7.5	3
6.31.091	90	137	90	5.4	17	7.5	3

### \*Remarks

- Maximum working pressure (P) for water at 20°C and constant load
- For use at higher temperatures or varying loads, additional reduction factors must be taken into account

### \*Opmerkingen

- Maximale werkdruk (P) voor water van 20°C en bij constante belasting
- Voor gebruik bij hogere temperaturen of wisselende belastingen moet rekening gehouden worden met extra reductiefactoren

### \*Bemerkungen

- Maximaler Betriebsdruck (P) für Wasser bei 20°C und bei konstanter Belastung
- Für Einsatz bei höheren Temperaturen oder wechselnden Belastung müssen zusätzliche Reduktionsfaktoren berücksichtigt werden

### \*Remarques

- Pression de service maximale (P) pour l'eau à 20°C et à charge constante
- Pour utilisation à des températures élevées ou des charges variables, des facteurs de réduction additional doit être pris en compte

## Collar male threaded (option)

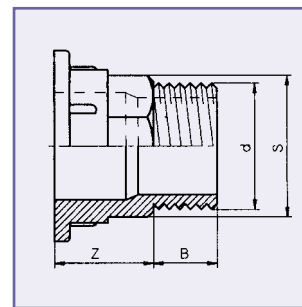
Inlegstuk uitwendig draad

Bundbuchse Aussengewinde

Collet fileté

Collare attacchi filetati maschio

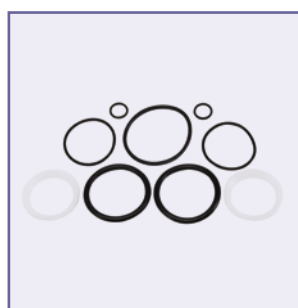
Portabrida encolar rosca macho



Art.code	d	Z	B	S	DN	Quantity
6.32.020	1/2" (M)	21	17	24	15	50
6.32.025	3/4" (M)	20	19	29	20	50
6.32.032	1" (M)	25	21	36	25	50
6.32.040	1 1/4" (M)	31	21	44	32	20
6.32.050	1 1/2" (M)	29	29	52	40	20
6.32.063	2" (M)	36	32	63	50	20

## Replacement kit

Vervang set  
 Ersatzungs kit  
 Jeu de rechange  
 Ki di Pezzi di ricambio  
 Kit Recambio



EPDM



VITON®

### E.P.D.M. rubber

Art.code	Ball Valve
6.40.020	6.05.016 - 6.10.016 - 6.10.020 - 6.10.020 (+old model type DIL/DID < 2010)
6.40.021	6.15.016 - 6.15.016 - 6.20.016 - 6.20.020
6.40.025	6.05.025 - 6.10.025 (+old model type DIL/DID < 2010)
6.40.026	6.15.025 - 6.20.025
6.40.032	6.05.032 - 6.10.025 (+old model type DIL/DID < 2010)
6.40.033	6.15.032 - 6.20.032
6.40.040	6.05.040 - 6.10.040 (+old model type DIL/DID < 2010)
6.40.041	6.15.040 - 6.20.040
6.40.050	6.05.050 - 6.10.050 (+old model type DIL/DID < 2010)
6.40.051	6.15.050 - 6.20.050
6.40.063	6.05.063 - 6.10.063 (+old model type DIL/DID < 2010)
6.40.064	6.15.063 - 6.20.063
6.40.075	6.15.075 - 6.20.075
6.40.090	6.15.090 - 6.20.090
6.40.110	6.15.110 - 6.20.110

### VITON® (F.P.M Colour = green)

Art.code	Ball Valve
6.42.020	6.06.016 - 6.06.020 (+old model type DIL/DID < 2010)
6.42.021	6.16.016 - 6.16.020
6.42.025	6.06.025 (+old model type DIL/DID < 2010)
6.42.026	6.16.025
6.42.032	6.06.032 (+old model type DIL/DID < 2010)
6.42.033	6.16.032
6.42.040	6.06.040 (+old model type DIL/DID < 2010)
6.42.041	6.16.040
6.42.050	6.06.050 (+old model type DIL/DID < 2010)
6.42.051	6.16.050
6.42.063	6.06.063 (+old model type DIL/DID < 2010)
6.42.064	6.16.063
6.42.075	6.16.075
6.42.090	6.16.090
6.42.110	6.16.110

# Technical data ball valves

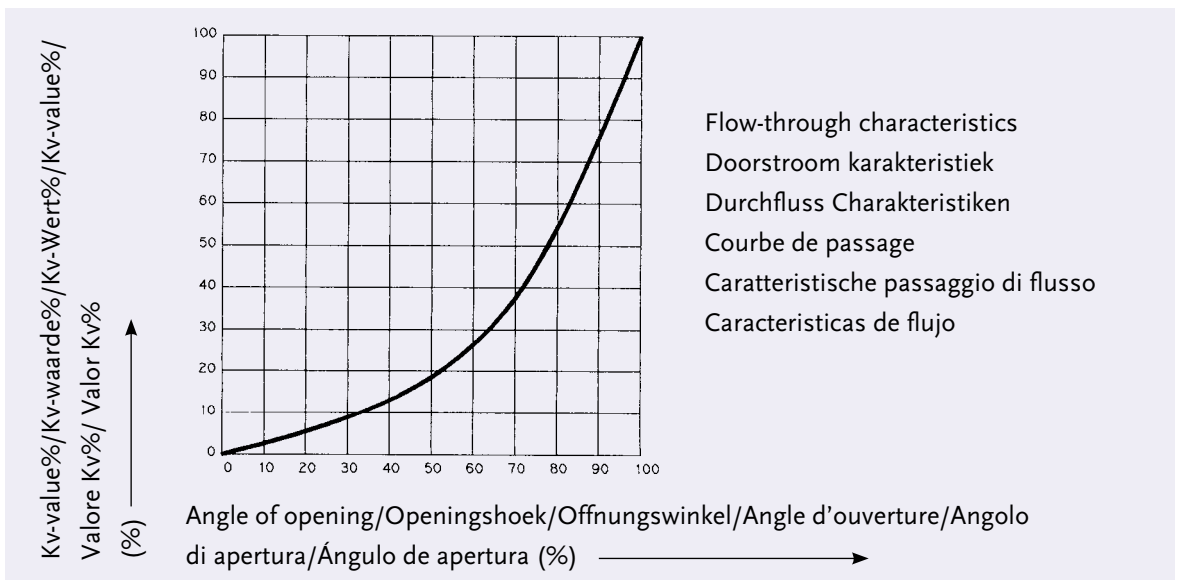
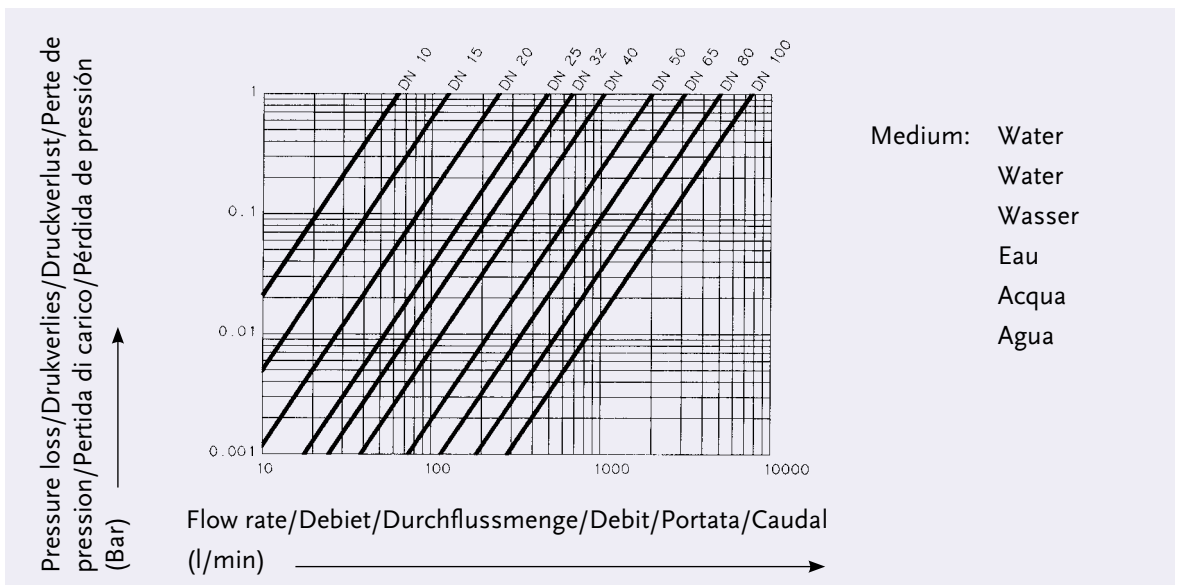
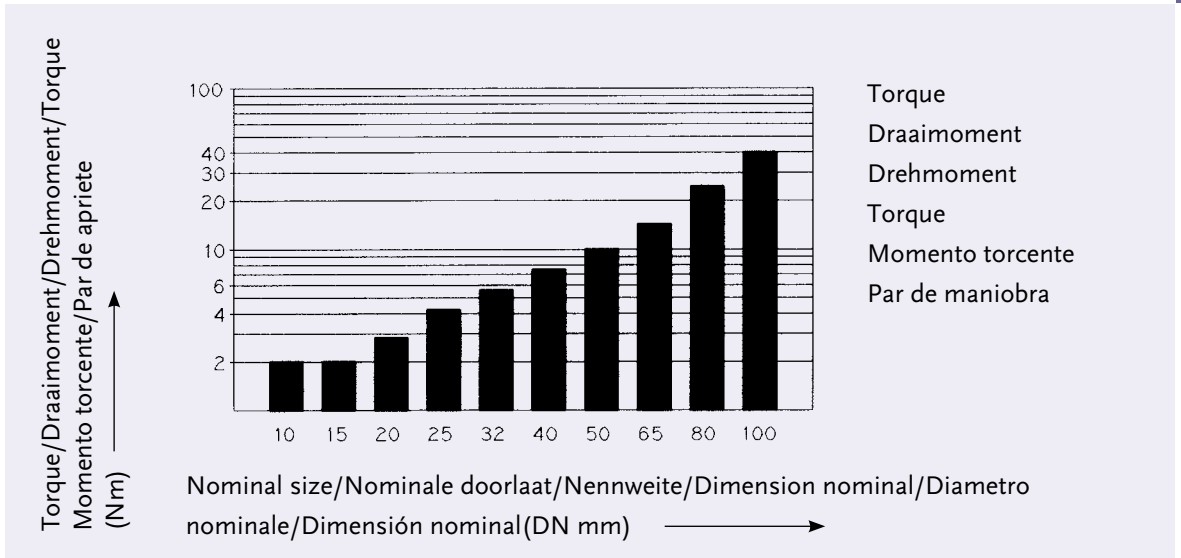
Technische info kogelkranen

Technische Daten Kugelhahne

Caractéristiques techniques vanne à boisseau

Dati tecniche valvola a sfera

Información técnico válvula de bola



## Technical data ball valves

Technische info kogelkranen

Technische Daten Kugelhahne

Caractéristiques techniques vanne à boisseau

Dati tecniche valvola a sfera

Información técnico válvula de bola

Every single valve has been tested on leaks.

Iedere kogelkraan is afzonderlijk getest op lekkage.

Chaque vanne est contrôlée pour son étanchéité.

Valvole controllate al 100% per le perdite idrauliche.

Jeder Kugelhahn wird geprüft auf Leckage.

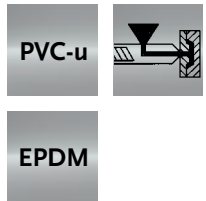
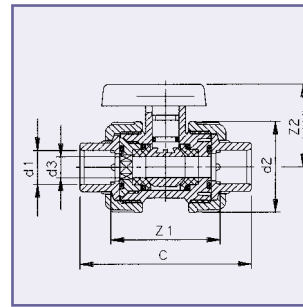
Cada válvula de bola pasa un control de estanqueidad.

Seals	: Seats O-Rings	: TEFLON filled PE : Standard E.P.D.M., optional delivery : Viton®
Afdichtingen	: Zittingen O-Ringen	: TEFLON gevuld PE : Standaard E.P.D.M., als optie leverbaar : Viton®
Dichtungen	: Kugeldichtungen O-Ringe	: TEFLON gefülltes PE : Standard E.P.D.M., auch lieferbar : Viton®
Garniture	: Sièges Joint torique	: PE avec TEFLON : Standard E.P.D.M., livrable optionelle : Viton®
Tenute	: Sede O-Ring	: PE caricata con TEFLON : Standard E.P.D.M., a richiesta : Viton®
Juntas	: Junta de bola Junta tórica	: PE con TEFLON : E.P.D.M. estándar, FPM (Viton®) opcional



## Laboratory ball valve

Laboratorium kogelkraan  
 Laboratorium Kugelhahn  
 Vanne a boisseau laboratoire  
 Valvula a sfera laboratorio  
 Válvula de bola laborarorio

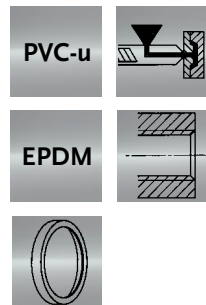
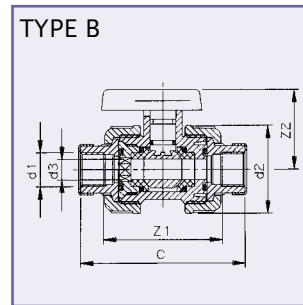
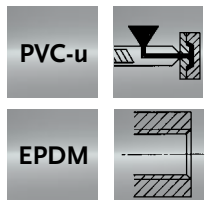
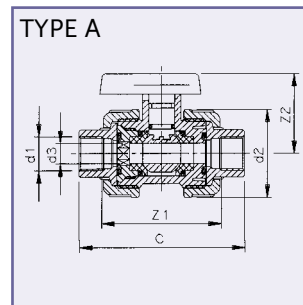


PVC-u metric

Art.code	d1	d2	d3	Z1	Z2	C	DN	PN	Quantity
6.01.012	12	39	8	46	35	70	8	16	50
6.01.016	16	43	10	52	39	80	10	16	50

## Laboratory ball valve

Laboratorium kogelkraan  
 Laboratorium Kugelhahn  
 Vanne a boisseau laboratoire  
 Valvula a sfera laboratorio  
 Válvula de bola laborarorio



Art.code	d1	d2	d3	Z1	Z2	C	DN	Type	PN	Quantity
6.02.012	1/4" (F)	39	8	46	35	70	8	A	16	50
6.02.016	3/8" (F)	43	10	56	39	80	10	B	16	50

## Ball valve for substrate

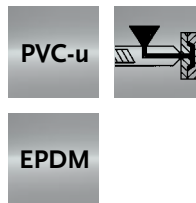
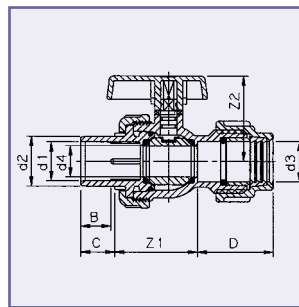
Kogelkraan voor substraat

Kugelhahn für Nährboden Anlagen

Vanne à boisseau pour substrat

Vavula a sfera per cultura substrato

Válvula de bola para substrato nutritivo



Art.code	d1	d2	d3	d4	Z1	Z2	B	C	D	DN	PN	Quantity
6.00.016	25	32	16	20	70	55	19	22	42	20	10	50
6.00.020	25	32	20	20	68	55	19	22	47	20	10	50
6.00.025	25	32	25	20	66	55	19	22	51	20	10	50
6.00.032	32	40	32	25	70	65	22	26	57	25	10	25

## Slide valve

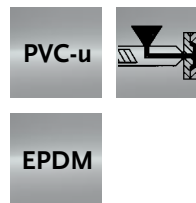
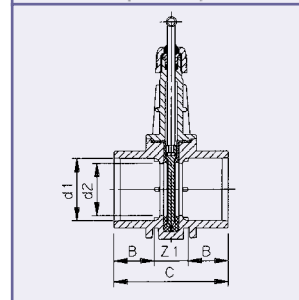
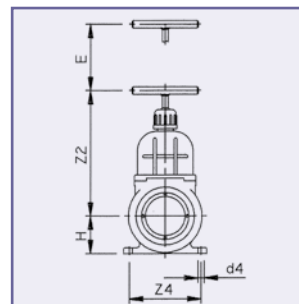
Schweifsluiter

Absperrschieber

Vanne à Guillotine

Valvula Ghigliottina

Válvula de guillotina



Art.code	d1	d2	d4	Z1	Z2	Z4	B	C	E	H	Quantity
6.80.050	50	42	7	29	139	76	31	91	52	40	25
6.80.063	63	54	9	38	164	98	38	114	65	51.5	12
6.80.075	75	64	9	39	187	112	44	127	73	57.5	8
6.80.090	90	76	9	45	218	134	51	147	91	71	6
6.80.110	110	92	9	54	250	158	61	176	108	81	4

## Slide valve

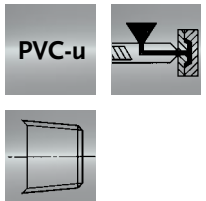
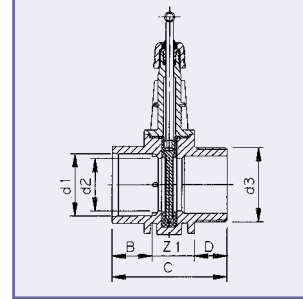
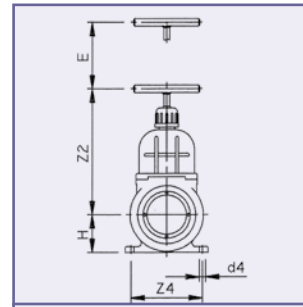
Schuifafsluiter

Absperrschieber

Vanne à Guillotine

Valvula Ghigliottina

Válvula de guillotina



PVC-u metric

Art.code	d1	d2	d3	d4	Z1	Z2	Z4	B	C	D	E	H	Quantity
6.85.050	50	42	2" (M)	7	35	139	76	31	92	27	52	40	25
6.85.063	63	54	2 1/2" (M)	9	44	164	98	38	112	31	65	51.5	12
6.85.075	75	64	3" (M)	9	49	187	112	44	126	34	73	57.5	8

## Slide valve

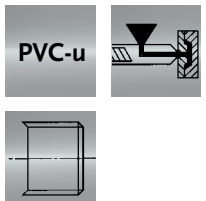
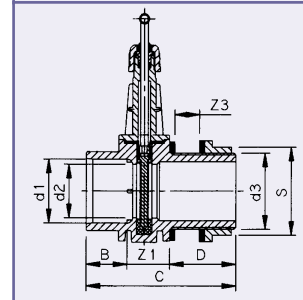
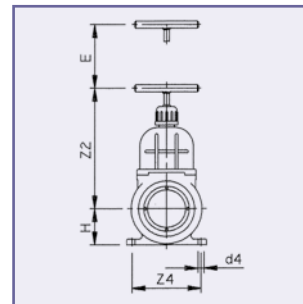
Schuifafsluiter

Absperrschieber

Vanne à Guillotine

Valvula Ghigliottina

Válvula de guillotina



Art.code	d1	d2	d3	d4	Z1	Z2	Z3	Z4	B	C	D	E	S	H	Quantity
6.90.050	50	42	2" (M)	7	35	139	0-21	76	31	117	52	52	69	40	25
6.90.063	63	54	2 1/2" (M)	9	44	164	0-23	98	38	133	52	65	85	51.5	12
6.90.075	75	64	3" (M)	9	49	187	0-20	112	44	148	56	73	100	57.5	8
6.90.090	90	76	M113 (M)	9	54	218	0-20	134	51	166	62	91	127	71	4
6.90.110	110	92	M133 (M)	9	65	250	0-22	158	61	191	66	108	147	81	4

## Replacement kit

Vervang set  
Ersatzungs kit  
Jeu de rechangé  
Kit di pezzi di ricambio  
Kit recambio



EPDM

Art.code	Description	d1	P max
6.45.050	Kit for 6.80.050/6.85.050/6.90.050	50	3.0
6.45.063	Kit for 6.80.063/6.85.063/6.90.063	63	2.0
6.45.075	Kit for 6.80.075/6.85.075/6.90.075	75	1.5
6.45.090	Kit for 6.80.090/6.90.090	90	1.0
6.45.110	Kit for 6.80.110/6.90.110	110	1.0

## Technical data slide valve

Technische info schuifafsluiter  
Technische Daten Absperrschieber  
Caractéristiques techniques vanne à guillotine  
Dati tecnici val-vula ghigliottina  
Información tecnico valvula de guillotina

P max Maximum pressure, at which manual operation of the slide remains possible.  
Maximale druk, waarbij handbediening van de schuif mogelijk blijft.  
Maximale Druck, wobei der Handbetrieb von dem Absperrer möglich bleibt.  
Pression maximale, pres de laquell la commande de la guillotine reste possible.  
Pressione massima, con mantenimento del controllo manuale della slitta.  
Máxima presión sin pérdida de control manual del mecanismo de válvula corredera.

### Data/ Informatie/ Daten/ Caractéristiques/ Dati/ Información

Easy maintenance, retractable seal. Eenvoudig onderhoud door uitneembare pakking. Einfache Wartung durch herausnehmbare Dichtung.	Entretien simple par joint démontable. Facilità di manutenzione grazie alla guarnizione rimovibile. Mantenimiento sencillo gracias a su car casa extraíble.
Leak free in all positions. Lekvrij in alle posities. Lecksicher in allen Positionen.	Etanche dans toutes les positions. A prova di perdita in tutte le posizione. Estanqueidad garantizada en todas las posiciones.
Adjustable seal on spindle. Nastelbare pakking langs bedieningsas. Herstellbare Dichtung entlang der Betriebsachse.	Joint remontable sur l'arbre de commande. Ulteriore regolazione dellaguarnizione lungo l'albero di controllo. Empaquetadura reajustable a lo largo del eje de maniobra.
Dutch Patent no. 1008658. Nederlands Patent no. 1008658. Niederländisches Patent Nr. 1008658.	Patent neerlandais no. 1008658. Olandese brevetto no. 1008658. Holandés patente no. 1008658.
European Patent no. 0943850 Europees Patent no. 0943850 Europäisches Patent Nr. 0943850	Patent Européen no. 0943850 Europeo brevetto no. 0943850 Europea patente no. 0943850
USA Patent no. 6.375.157 USA Patent no. 6.375.157 USA Patent Nr. 6.375.157	Patent USA no. 6.375.157 USA brevetto no. 6.375.157 USA patente no. 6.375.157

## Slide valve

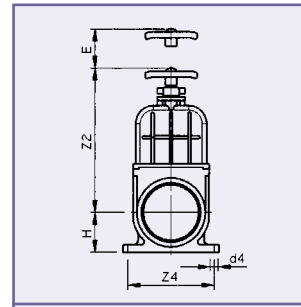
Schuifafsluiter

Absperrschieber

Vanne à Guillotine

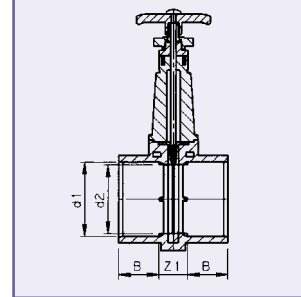
Valvula Ghigliottina

Válvula de guillotina



PVC-u metric

Female solvent weld  
Inwendige lijmverbinding  
Klebemuffe  
À coller femelle  
Femmina per incollaggio  
Encolor hembra



Art.code	d1	d2	d4	Z1	Z2	Z4	B	E	H	P max	Quantity
6.80.111	110	92	9	54	290	158	61	107	81	0.5	3
6.80.161	160	150	11	55	388	240	86	163	108	0.5	1
6.80.201	200	192	13	48	450	275	107	200	128	0.5	1

## Slide valve

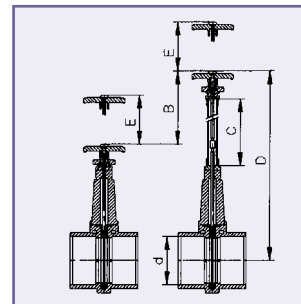
Schuifafsluiter

Absperrschieber

Vanne à Guillotine

Valvula Ghigliottina

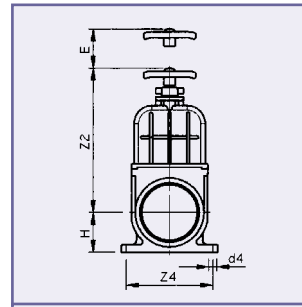
Válvula de guillotina





Art.code	d	B	C	D	E	P max	Quantity
6.80.111.1	110	500	478	788	107	0.5	1
6.80.111.2	110	1000	978	1288	107	0.5	1
6.80.111.3	110	1500	1478	1788	107	0.5	1
6.80.111.4	110	2000	1978	228	107	0.5	1
6.80.161.1	160	500	478	888	163	0.5	1
6.80.161.2	160	1000	978	1388	163	0.5	1
6.80.161.3	160	1500	1478	1888	163	0.5	1
6.80.161.4	160	2000	1978	2388	163	0.5	1
6.80.201.1	200	500	478	950	200	0.5	1
6.80.201.2	200	1000	978	1450	200	0.5	1
6.80.201.3	200	1500	1478	1950	200	0.5	1
6.80.201.4	200	2000	1978	2450	200	0.5	1


## Slide valve

Schuifafsluiter  
 Absperrschieber  
 Vanne à Guillotine  
 Valvula Ghigliottina  
 Válvula de guillotina

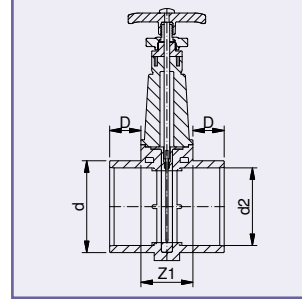


PVC-u 

EPDM 

INOX 

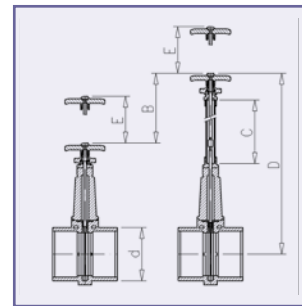
Male solvent weld  
 Uitwendige lijmverbinding  
 Klebestutzen  
 À coller male  
 Maschio per incollaggio  
 Encolar Macho





Art.code	d	d2	d4	Z1	Z2	Z4	D	E	H	P max	Quantity
6.82.126	125	95	9	78	290	158	69	107	81	0.5	4


## Slide valve

Schuifafsluiter  
 Absperrschieber  
 Vanne à Guillotine  
 Valvula Ghigliottina  
 Válvula de guillotina



PVC-u 

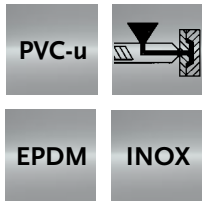
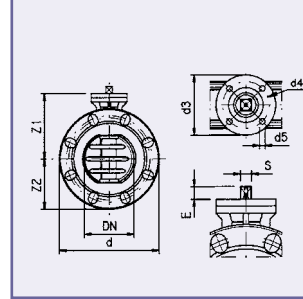
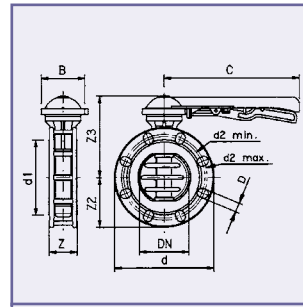
EPDM 

INOX 

Art.code	d	B	C	D	E	P max	Quantity
6.82.126.1	125	500	478	788	107	0.5	1
6.82.126.2	125	1000	978	1288	107	0.5	1
6.82.126.3	125	1500	1478	1788	107	0.5	1
6.82.126.4	125	2000	1978	2288	107	0.5	1

## Butterfly valve

Vlinderklep  
Absperklappe  
Vanne à papillon  
Valvola a farfalla  
Válvula de mariposa



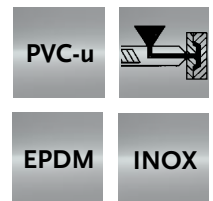
PVC-u metric

Art.code	Dia	d	d1	d2	Z	Z1	Z2	Z3	B	C	NxD	DN	PN	Quantity
6.70.075	75	185	106	128/144	53	134	92.5	174	108	270	4x19	65	10	1
6.70.090	90	200	125	145/160	56	141.5	100	181	108	270	8x19	80	10	1
6.70.110	110	220	150	165/190	63	151.5	110	192	108	270	8x19	100	10	1
6.70.140	140	250	188	204/215	71	162.5	125	203	108	340	8x23	125	10	1
6.70.160	160	285	214	230/242	78	180	142.5	221	108	340	8x23	150	6	1
6.70.225	225	340	266	280/298	81	233	170	289	150	420	8x23	200	6	1

Art.code	Dia	d3	d4	d5	E	S	ISO 5211
6.70.075	75	90	70	8.5	11	11	ISO 5211 - F05/F07 - Y - L - 11
6.70.090	90	90	70	8.5	15	14	ISO 5211 - F05/F07 - Y - L - 14
6.70.110	110	90	70	8.5	15	14	ISO 5211 - F05/F07 - Y - L - 14
6.70.140	140	90	70	8.5	19	17	ISO 5211 - F07 - Y - L - 17
6.70.160	160	90	70	8.5	19	17	ISO 5211 - F07 - Y - L - 17
6.70.225	225	125	102	11	23	22	ISO 5211 - F10 - Y - L - 22

## Butterfly valve

Vlinderklep  
Absperklappe  
Vanne à papillon  
Valvola a farfalla  
Válvula de mariposa



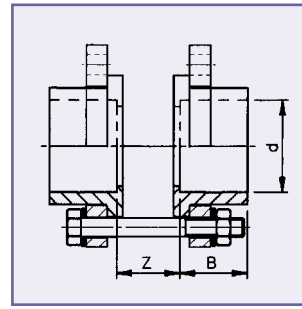
Direct mounting for actuators according to ISO 5211...  
Directe aansluiting voor aandrijvingen volgens ISO 5211...  
Direkte Anschluß für Armaturen nach ISO 5211...

Assemblage directement pour des actionneurs suivant ISO 5211...  
Montaggio diretto di attuatori dalla ISO 5211...  
Montaje directo de actuador según ISO 5211...

Art.code	Dia	Torque (min.)	ISO 5211
SPE670075	75	20 Nm	ISO 5211 - F05/F07 - Y - L - 11
SPE670090	90	30 Nm	ISO 5211 - F05/F07 - Y - L - 14
SPE670110	110	60 Nm	ISO 5211 - F05/F07 - Y - L - 14
SPE670140	140	100 Nm	ISO 5211 - F07 - Y - L - 17
SPE670160	160	120 Nm	ISO 5211 - F07 - Y - L - 17
SPE670225	225	180 Nm	ISO 5211 - F10 - Y - L - 22

## Kit for Butterfly valve

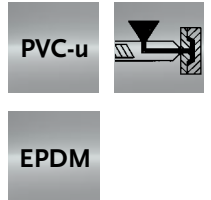
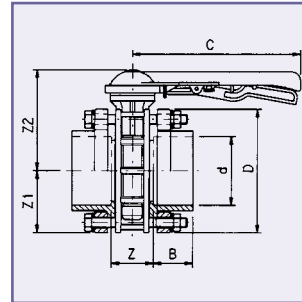
Kit voor Vlinderklep  
 Kit für Absperrklappe  
 Kit pour vanne à papillon  
 Kit para valvula a farfalla  
 Kit para válvula de mariposa



Art.code	d	Z	B	PN	Quantity
6.76.063	63	77	38	65	1
6.76.075	75	59	44	65	1
6.76.090	90	66	51	80	1
6.76.110	110	73	61	100	1
6.76.125	125	113	69	125	1
6.76.140	140	81	76	125	1
6.76.160	160	88	86	150	1
6.76.200	200	149	106	200	1
6.76.225	225	95	119	200	1

## Butterfly valve

Vlinderklep  
 Absperrklappe  
 Vanne à papillon  
 Valvola a farfalla  
 Válvula de mariposa



Art.code	d	D	Z	Z <sub>1</sub>	Z <sub>2</sub>	B	C	DN	Quantity
6.78.063	63	185	77	92.5	174	38	270	65	1
6.78.075	75	185	59	92.5	174	44	270	65	1
6.78.090	90	200	66	100	181	51	270	80	1
6.78.110	110	220	73	110	192	61	270	100	1
6.78.125	125	250	113	125	203	69	270	125	1
6.78.140	140	250	81	125	203	76	340	125	1
6.78.160	160	285	88	142.5	221	86	340	150	1
6.78.200	200	340	149	170	289	106	420	200	1
6.78.225	225	340	95	170	289	119	420	200	1



# Technical data butterfly valve

Technische info vlinderklep

Technische Daten Asperklappe

Caractéristiques techniques vanne à papillon

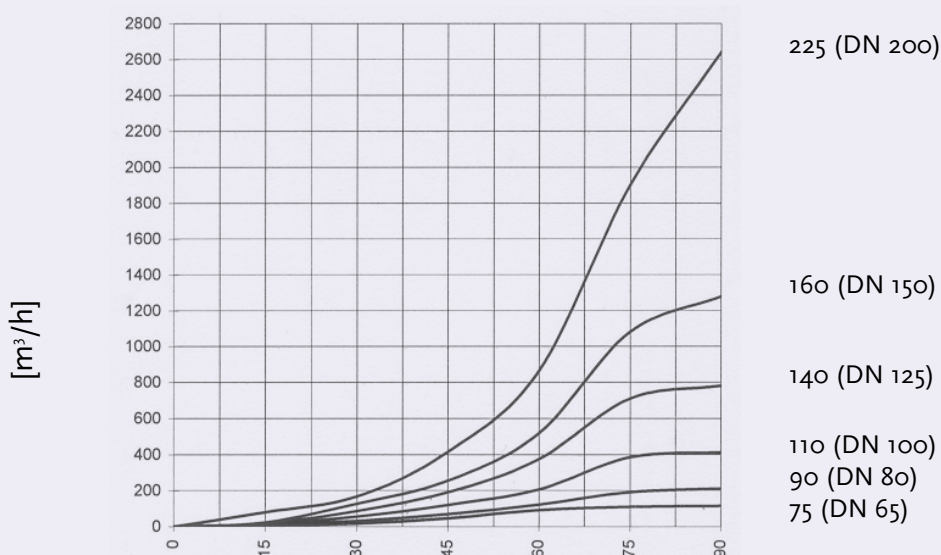
Dati tecnici valvola a farfalla

Información técnico válvula de mariposa

## Data/ Informatie/ Daten/ Caractéristiques/ Dati/ Información

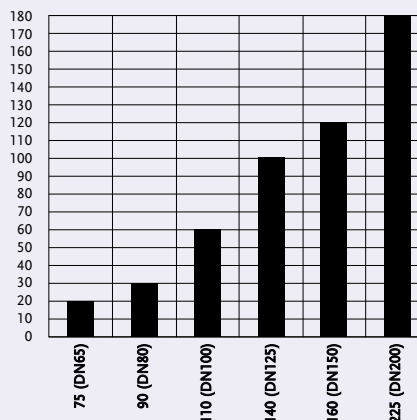
Body	: PVC-U	Corps	: PVC-U
Seals	: EPDM	Garniture	: EPDM
Shaft	: INOX 316	Tige	: INOXIDABLE 316
Huis	: PVC-u-U	Corpo	: PVC-U
Afdichting	: EPDM	Tenute	: EPDM
As	: RVS 316	Stelo	: ACCIAIO INOX 316
Gehäuse	: PVC-U	Cuerpo	: PVC-U
Dichtungen	: EPDM	Juntas	: EPDM
Welle	: EDELSTAHL 316	Eje	: INOX 316

## Kv-Value/ Kv-Waarde/ Kv-Wert/ Kv-Value/ Valore Kv/ Valor Kv



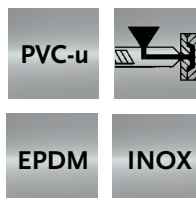
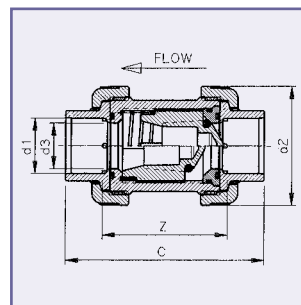
Angle of opening, Openingshoek, Öffnungswinkel, Angle d'ouverture, Angulo di apertura, Angulo de apertura  
[°]

Torque  
Draaimoment  
Drehmoment  
Torque  
Moment torcente  
Par de maniobra  
[Nm]



## Checkvalve

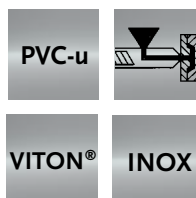
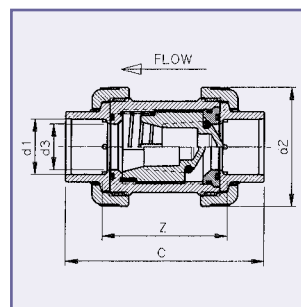
Terugslagklep  
Rückschlagventil  
Soupape de retenue  
Valvola diritegno  
Vulvelas antiretorno



Art.code	d1	d2	d3	Z	C	DN	PN	P	KV	Quantity
6.60.016	16	43	10	46	75	10	16	0.05	61	50
6.60.020	20	59	17	58	91	15	16	0.05	147	50
6.60.025	25	64	22	62.5	101.5	20	16	0.05	263	50
6.60.032	32	73	27	75.5	120.5	25	16	0.05	388	50
6.60.040	40	86	33	90	143	32	16	0.05	682	30
6.60.050	50	102	40	108	171	40	16	0.05	1052	10
6.60.063	63	124	50	129	205.5	50	16	0.05	1658	10
6.60.075	75	151	67	164	252	65	10	0.10	1933	1
6.60.090	90	178.5	83	188	291	80	10	0.10	3166	1
6.60.110	110	215.5	99	225	348	100	10	0.10	4650	1

## Checkvalve

Terugslagklep  
Rückschlagventil  
Soupape de retenue  
Valvola diritegno  
Vulvelas antiretorno



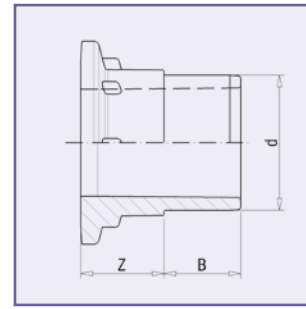
Art.code	d1	d2	d3	Z	C	DN	PN	P	Kv	Quantity
6.61.016	16	43	10	46	75	10	16	0.05	61	50
6.61.020	20	59	17	58	91	15	16	0.05	147	50
6.61.025	25	64	22	62.5	101.5	20	16	0.05	263	50
6.61.032	32	73	27	75.5	120.5	25	16	0.05	388	50
6.61.040	40	86	33	90	143	32	16	0.05	682	30
6.61.050	50	102	40	108	171	40	16	0.05	1052	10
6.61.063	63	124	50	129	205.5	50	16	0.05	1658	10
6.61.075	75	151	67	164	252	65	10	0.10	1933	1
6.61.090	90	178.5	83	188	291	80	10	0.10	3166	1
6.61.110	110	215.5	99	225	348	100	10	0.10	4650	1

P Openingsdruk  
Opening pressure  
Öffnungsdruck  
Pression d'ouverture  
Pressione in apertura  
Presión de apertura

Kv Flow [l/min] waarbij  $\Delta p$  is 1 bar, bepaald volgens DIN EN 60534-2-3  
Flow [l/min] by which  $\Delta p$  is 1 bar, determined according to DIN EN 60534-2-3  
Fluss [l/min] wobei  $\Delta p$  1 bar ist, festgesetzt zufolge DIN EN 60534-2-3  
Courant [l/min] par lequel  $\Delta p$  est 1 bar, déterminé par DIN EN 60534-2-3  
Corrente [l/min] fra cui  $\Delta p$  é 1 bar, determinato secondo DIN EN 60534-2-3  
Caudal [l/min] con un  $\Delta p$  de 1 bar, determinado según DIN EN 60534-2-3

## Collar male spigot (option)

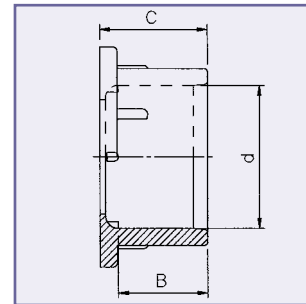
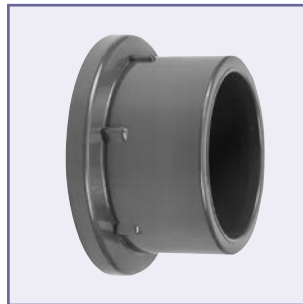
Inlegstuk uitwendig lijm  
 Bundbuchse Klebestutzen  
 Collet à coller male  
 Collare maschio  
 Portabrida encolar macho



Art.code	d	Z	B	DN	Quantity
6.25.050	50	33	31	40	1
6.25.063	63	39	38	50	1

## Collar solvent socket (parts)

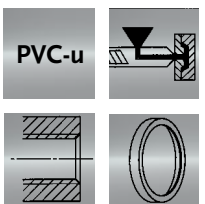
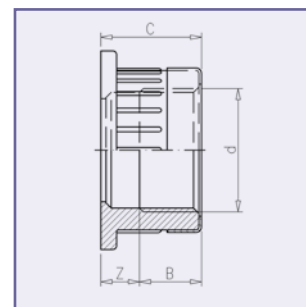
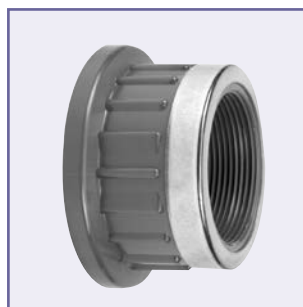
Inlegstuk inwendig lijm  
 Bundbuchse Klebemuffe  
 Collet à coller femelle  
 Collare a attacchi incollaggio  
 Portabrida encolar



Art.code	d	B	C	DN	Quantity
6.26.016	16	14	20.5	10	50
6.26.020	20	16	20.5	15	50
6.26.025	25	19	23.5	20	50
6.26.032	32	22	27.5	25	50
6.26.040	40	26	32.0	32	25
6.26.050	50	31	38.0	40	20
6.26.063	63	38	49.0	50	20
6.26.075	75	44	54.5	65	10
6.26.090	90	51	63.0	80	10
6.26.110	110	61	76.5	100	10

## Collar female threaded (option)

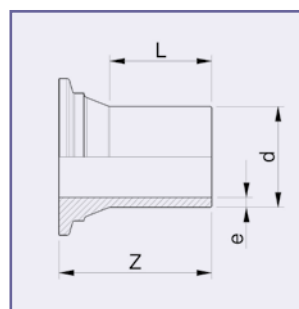
Inlegstuk inwendig draad  
 Bundbuchse Innengewinde  
 Collet taraudé  
 Collare attacchi filetati femmina  
 Portabrida encolar rosca hembra



Art.code	d	B	C	Z	DN	Quantity
6.30.016	3/8" (F)	13	20.5	7.5	10	50
6.30.020	1/2" (F)	17	20.5	3.5	15	50
6.30.025	3/4" (F)	19	23.5	4.5	20	50
6.30.032	1" (F)	21	27.5	6.5	25	50
6.30.040	1 1/4" (F)	21	32.0	11	32	25
6.30.050	1 1/2" (F)	29	38.0	9	40	20
6.30.063	2" (F)	32	49.0	17	50	20
6.30.075	2 1/2" (F)	36	54.5	18.5	65	10
6.30.090	3" (F)	39	63.0	24	80	10
6.30.110	4" (F)	46	76.5	30.5	100	10

## PE connector for check valve (option)

PE inlegdeel voor terugslagklep  
 PE Einlegeteil für Rückschlagventil  
 Pièce folle en PE pour soupape de retenue  
 Collare PE valvola diritegno  
 Portabrida PE válvula antiretorno



Art.code	d	Z	L	e	SDR	(bar) P*	Quantity
6.31.020	20	67	45	2.0	11	12.5	25
6.31.025	25	68	45	2.3	11	12.5	25
6.31.032	32	71	45	3.0	11	12.5	25
6.31.040	40	80	50	3.7	11	12.5	15
6.31.050	50	89	57	4.6	11	12.5	10
6.31.063	63	105	70	5.8	11	12.5	5
6.31.064	63	105	70	3.8	17	7.5	5
6.31.075	75	123	81	6.8	11	7.5	5
6.31.076	75	123	81	4.5	17	7.5	5
6.31.090	90	137	90	8.2	11	7.5	3
6.31.091	90	137	90	5.4	17	7.5	3

**\* Remarks**

- Maximum working pressure (P) for water at 20°C and constant load
- For use at higher temperatures or varying loads, additional reduction factors must be taken into account

**\* Opmerkingen**

- Maximale werkdruk (P) voor water van 20°C en bij constante belasting
- Voor gebruik bij hogere temperaturen of wisselende belastingen moet rekening gehouden worden met extra reductiefactoren

**\* Bemerkungen**

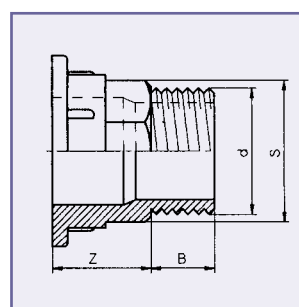
- Maximaler Betriebsdruck (P) für Wasser bei 20°C und bei konstanter Belastung
- Für Einsatz bei höheren Temperaturen oder wechselnden Belastung müssen zusätzliche Reduktionsfaktoren berücksichtigt werden

**\* Remarques**

- Pression de service maximale (P) pour l'eau à 20°C et à charge constante
- Pour utilisation à des températures élevées ou des charges variables, des facteurs de réduction additional doit être pris en compte

## Collar male threaded (option)

Inlegstuk uitwendig draad  
 Bundbuchse Aussengewinde  
 Collet fileté  
 Collare attacchi filetati maschio  
 Portabrida encolar rosca macho



Art.code	d	Z	B	S	DN	Quantity
6.32.020	1/2" (M)	21	17	24	15	50
6.32.025	3/4" (M)	20	19	29	20	50
6.32.032	1" (M)	25	21	36	25	50
6.32.040	1 1/4" (M)	31	21	44	32	20
6.32.050	1 1/2" (M)	29	29	52	40	20
6.32.063	2" (M)	36	32	63	50	20