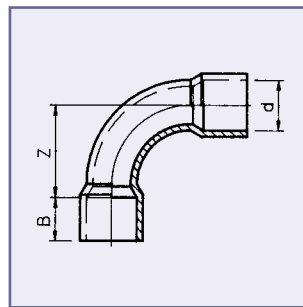




Bend 90°

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

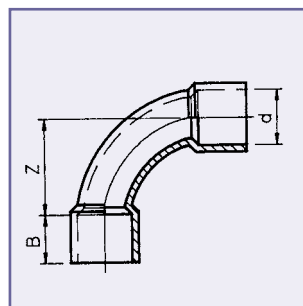


32-50 mm $R = 1.8d$
63-315 mm $R = 1.5d$

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°

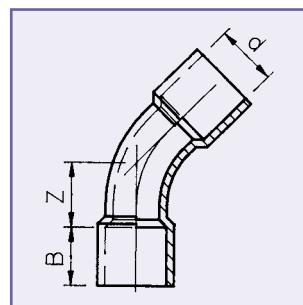
Bocht 45°

Bogen 45°

Courbe 45°

Curva 45°

Curva 45°



PVC-u metric

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	170	151	12.5	1
1.15.280	280	214	168	12.5	1
1.15.315	315	236	188	12.5	1

Bend 30°

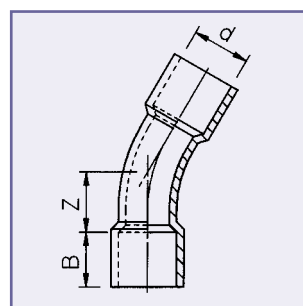
Bocht 30°

Bogen 30°

Courbe 30°

Curva 30°

Curva 30°

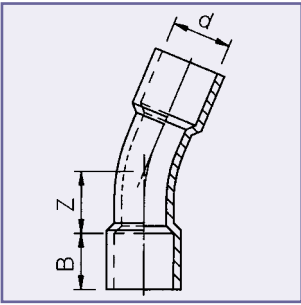


R = 2.5d

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°

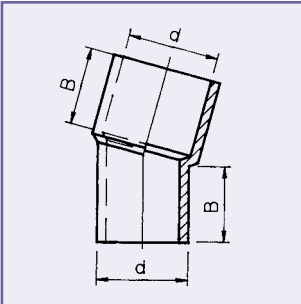
Bocht 22.5°
Bogen 22.5°
Courbe 22.5°
Curva 22.5°
Curva 22.5°



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°

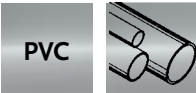
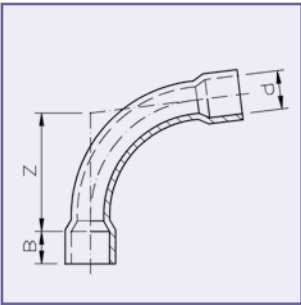


Art.code	d		(= max. tol. +15%) B	PN	Quantity
1.18.090	90		51	12.5	30
1.18.110	110		61	12.5	18
1.18.125	125		69	12.5	20
1.18.140	140		76	12.5	10
1.18.160	160		86	12.5	6
1.18.200	200		106	12.5	2
1.18.225	225		119	12.5	1
1.18.250	250		131	12.5	1
1.18.280	280		141	12.5	1
1.18.315	315		164	12.5	1

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°)

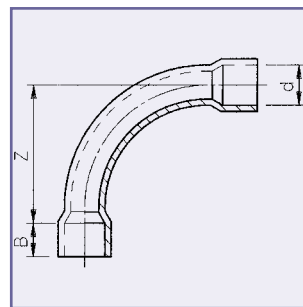
$$R = 4d$$



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



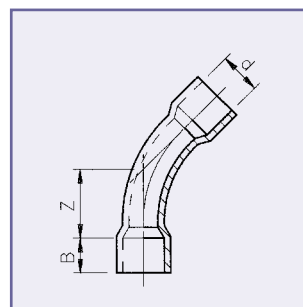
PVC-u metric

$R = 4d$

Art.code	d	Z	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

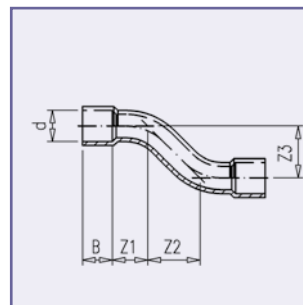


$R = 4d$

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



Art.code	d	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°

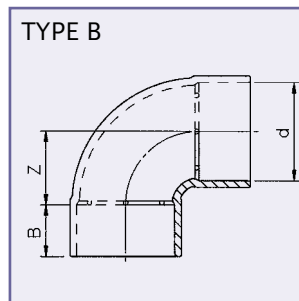
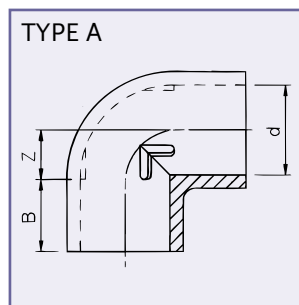
Knie 90°

Winkel 90°

Coude 90°

Gomito 90°

Codo 90°



equal/gelijk/eben/égal/uguale/igual

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	14	A	16	250 (5x50)
2.25.020*	20	11.5	16	A	16	200 (4x50)
2.25.025*	25	14	19	A	16	350
2.25.032*	32	18	22	A	16	250
2.25.033	32	18	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	32.5	38	A	16	50
2.25.064	63	32.5	38	A	10	55
2.25.075	75	38.5	44	A	16	30
2.25.076	75	38.5	44	A	10	30
2.25.090	90	46	51	A	16	17
2.25.091	90	46	51	A	10	17
2.25.110	110	56	61	A	16	12
2.25.111	110	56	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°

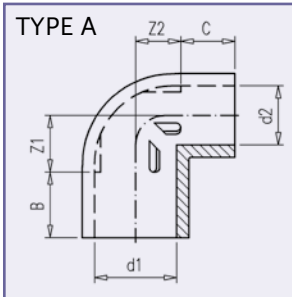
Knie 90°

Winkel 90°

Coude 90°

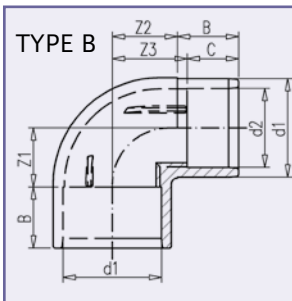
Gomito 90°

Codo 90°



reducing
verlopend
reduzierend
réduisant
ridotto
reducida

PVC-u metric



reducing
verlopend
reduzierend
réduisant
ridotto
reducida

Art.code	d1	d2	Z1	Z2	Z3	B	C	Type	PN	Quantity
2.26.011	40	32	22	22	-	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	45.5	44	50.5	37.5	31	B	10	50

Elbow 45°

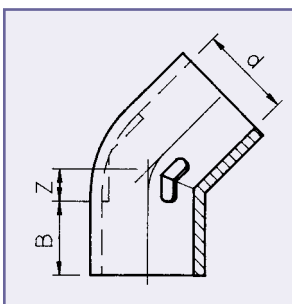
Knie 45°

Winkel 45°

Coude 45°

Gomito 45°

Codo 45°

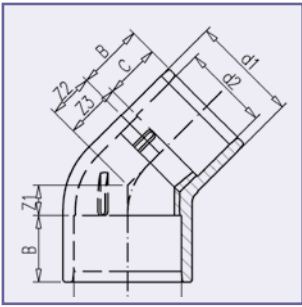


Art.code	d	Z	B	PN	Quantity
2.30.010	10	3	12	16	150 (3x50)
2.30.012*	12	3.5	12	16	150 (3x50)
2.30.016*	16	4.5	14	16	150 (3x50)
2.30.020*	20	5	16	16	150 (3x50)
2.30.025*	25	6	19	16	150
2.30.032*	32	8	22	16	300
2.30.040*	40	10	26	16	150
2.30.050*	50	12	31	16	75
2.30.051	50	12	31	10	100
2.30.063*	63	15	38	16	65
2.30.064	63	15	38	10	70
2.30.075	75	18	44	16	35
2.30.090	90	19.5	51	16	24
2.30.110	110	26	61	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°

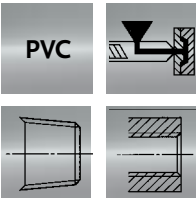
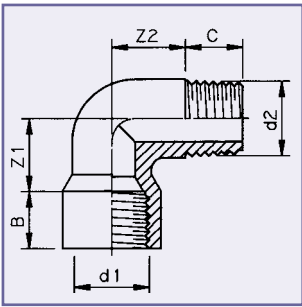
Knie 45°
Winkel 45°
Coude 45°
Gomito 45°
Codo 45°



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°

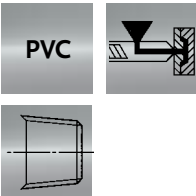
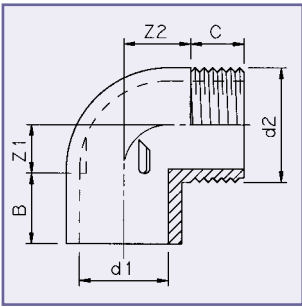
Knie 90°
Winkel 90°
Coude 90°
Gomito 90°
Codo 90°



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)	22	27	26	21	10	200
2.29.071	40	1 1/2" (M)	22	27	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°

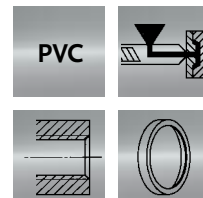
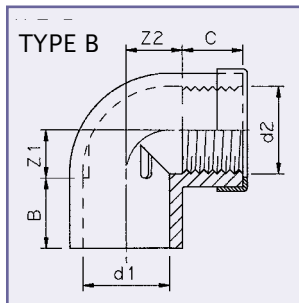
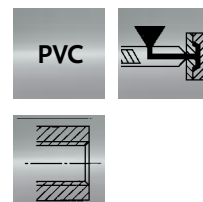
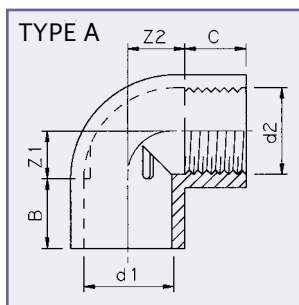
Knie 90°

Winkel 90°

Coude 90°

Gomito 90°

Codo 90°

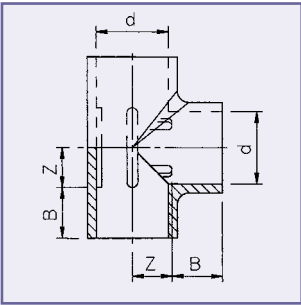


PVC-u metric

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	16	16	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	19	17	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	14	16	200 (4x50)
2.01.020*	20	11	16	16	100 (2x50)
2.01.025*	25	13.5	19	16	250
2.01.032*	32	17	22	16	225
2.01.033	32	17	22	10	250
2.01.040*	40	23	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	32.5	38	16	38
2.01.064	63	32.5	38	10	38
2.01.075	75	38.5	44	16	24
2.01.076	75	38.5	44	10	24
2.01.090	90	48	51	16	14
2.01.091	90	48	51	10	14
2.01.110	110	59	61	16	7
2.01.111	110	59	61	10	7
2.01.125	125	66.5	69	16	4
2.01.140	140	73	76	16	3
2.01.160	160	83	86	16	2
2.01.200	200	106	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

Reducing Tee 90°

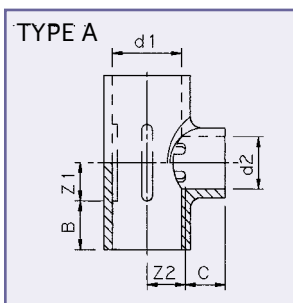
T-Stuk Verlopend 90°

T-Stück reduzierend 90°

Te réduit 90°

Ti ridotto 90°

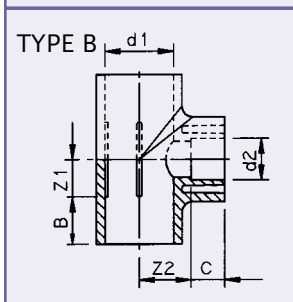
Te reducida 90°



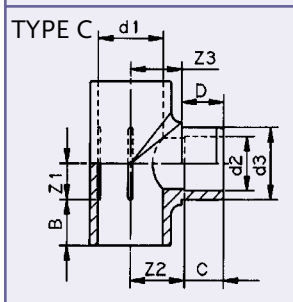
PVC



PVC-u metric



PVC



PVC



Art.code	d1	d2	d3	Z1	Z2	Z3	B	C	D	Type	PN	Quantity
2.03.005	25	16		14	14		19	14		A	16	300
2.03.010	25	20		14	14		19	16		A	16	300
2.03.013	32	16		17	17		22	14		A	16	200
2.03.015	32	20		17	17		22	16		A	16	250
2.03.020	32	25		17	17		22	19		A	16	200
2.03.022	40	16		23	23		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	23		26	22		A	10	140
2.03.032	40	32		23	23		26	22		A	16	140
2.03.033	50	20		28	28		31	16		A	16	100
2.03.035	50	25		28	27.5		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	28.5		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		32.5	37		38	16		A	16	50
2.03.050	63	25		32.5	32.5		38	19		A	16	50
2.03.055	63	32		32.5	32.5		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	32.5	50	40	38	26	31	C	16	40
2.03.065	63	50		32.5	32.5		38	31		A	16	40
2.03.070	75	32		40	40.5		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°

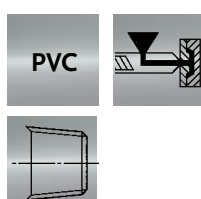
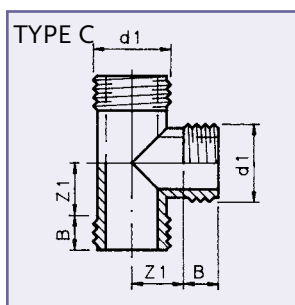
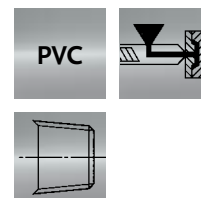
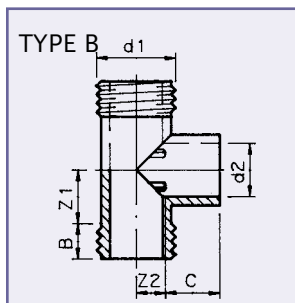
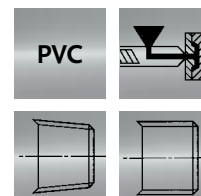
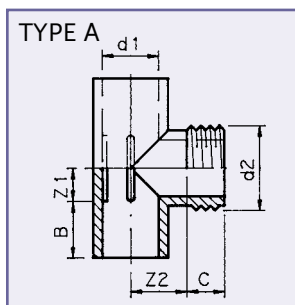
T-Stuk 90°

T-Stück 90°

Te 90°

Ti 90°

Te 90°



Art.code	d1	d2	Z1	Z2	B	C	Type	PN	Quantity
2.05.015	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

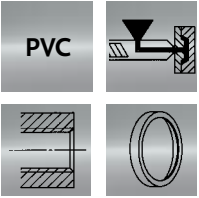
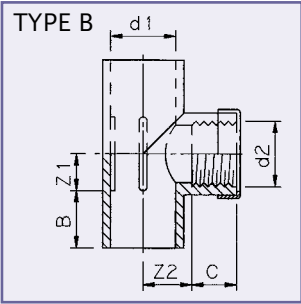
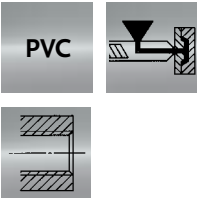
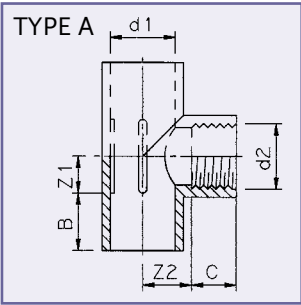
* Straight threaded

Rechte schroefdraad

Geradem gewinde

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°

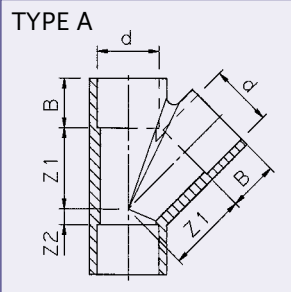
T-Stuk 45°

T-Stück 45°

Te 45°

Ti 45°

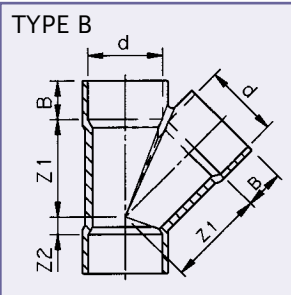
Te 45°



PVC



PVC-u metric



PVC



Art.code	d	Z1	Z2	B	Type	PN	Quantity
2.08.010	10	18.0	4.0	12	A	16	150
2.08.012	12	21.0	4.0	12	A	16	150
2.08.016	16	25.0	5.0	14	A	16	150
2.08.020	20	29.5	6.0	17	A	16	150
2.08.025	25	35.5	7.5	19	A	16	150
2.08.032	32	44.5	9.0	23	A	16	100
2.08.040	40	56.0	10.0	27	A	16	75
2.08.050	50	69.0	12.0	32	A	16	40
2.08.063	63	86.0	14.0	38	A	10	30
2.08.075	75	102.0	17.0	44	A	10	16
2.08.090	90	121.0	20.0	51	A	10	9
2.08.110	110	148.0	24.0	61	A	10	4
2.08.111	110	159	32	61	B	-	-
2.08.125	125	167.0	30.0	69	A	10	3
2.08.140	140	190.0	34.0	76	A	10	2
2.08.161	160	213.0	41.0	86	B	10	2
2.08.200	200	266.0	49.0	107	B	6	1
2.08.225	225	297.0	55.0	120	B	6	1
2.08.250	250	330.0	60.0	132	B	6	1

Y-Elbow

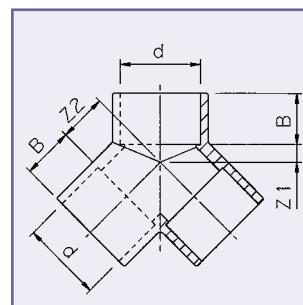
Y-Stuk

Y-Winkel

Y-Coude

Gomito a y

Y Griega



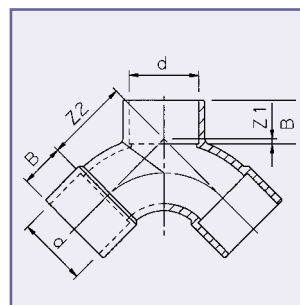
PVC



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

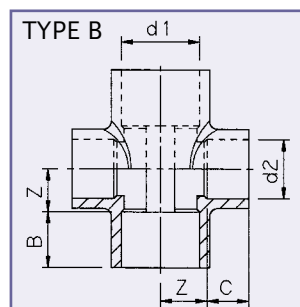
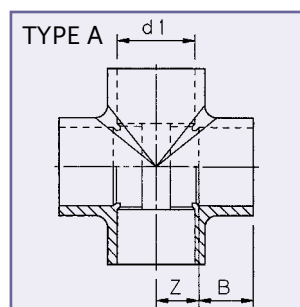
Stroom Y-Stuk
Y-Bogen°
Y-Courbe°
Curva a y
Y curva con injerto



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

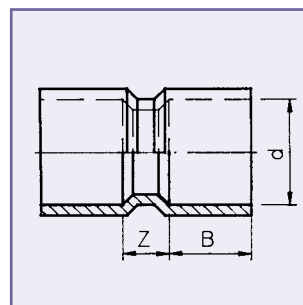
Kruisstuk
Kreuzstück
Croix
Croce
Cruz



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

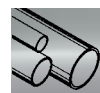


PVC



TYPE A

PVC



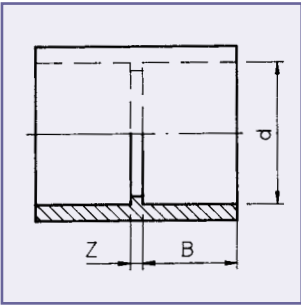
TYPE-B

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. 32
3.90.400 ref. 1.20.400 pag. 32

* = kiwa norm PN 16

Reducing socket

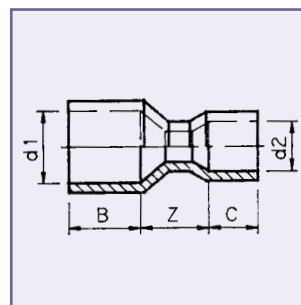
Verloopsok

Reduktionsmuffe

Manchon reduit

Manicotto di riduzione

Manguito de reducción



PVC



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

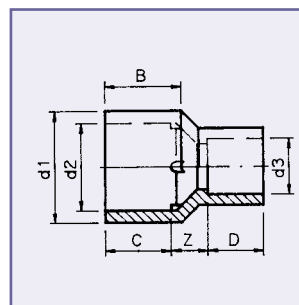
Verloopsookinzet

Reduktionsmuffe Einsatz

Manchon réduit M/F

Riduzione inserire

Reducción concéntrica



PVC



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

Victaulic® Transition socket

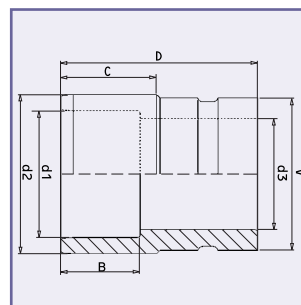
Victaulic® Overgangssok

Victaulic® Übergangs Muffe

Victaulic® Manchon de transition

Victaulic® Manicotto di transizione

Victaulic® Manguito de transition



PVC



PVC-u metric

Art.code	d1	d2	V	d3	B	C	D	PN	Quantity
SPV394050	40	50	1 1/2" Victaulic® = 48.3	38,5	26	31	71	10	50
SPV394063	50	63	2" Victaulic® = 60.3	44	31	38	78	10	50
SPV394075	63	75	2 1/2" Victaulic® = 73.0	58	38	44	84	10	-

Adaptor socket

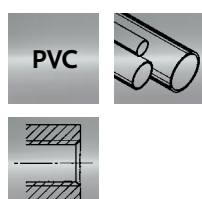
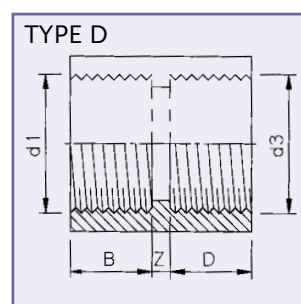
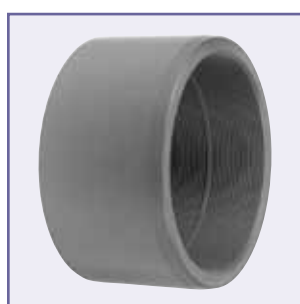
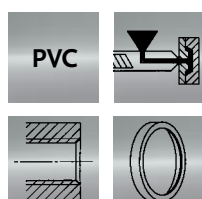
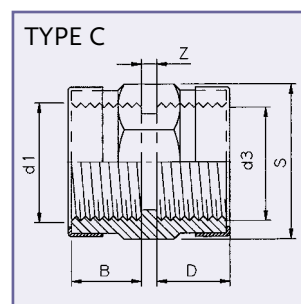
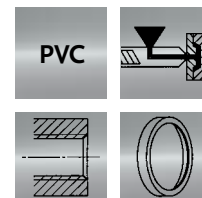
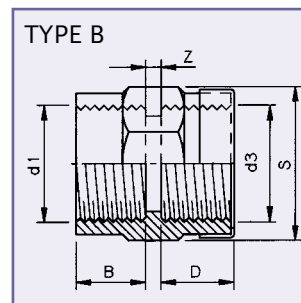
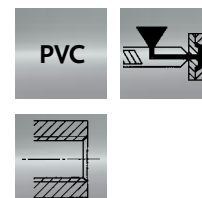
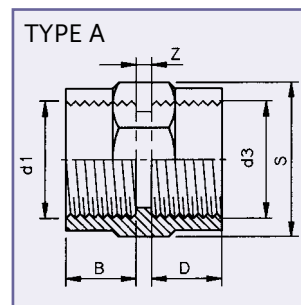
Draadsok

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

PVC-u metric

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	1

Adaptor socket

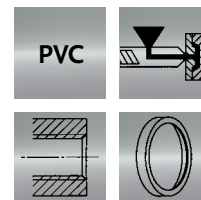
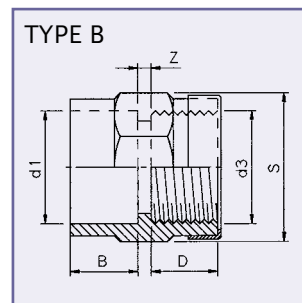
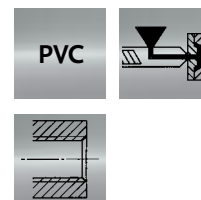
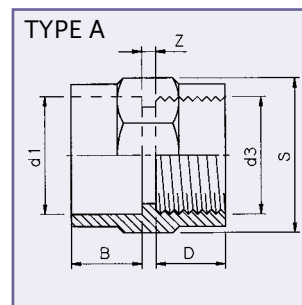
Draadsok

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)	10	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)	4	38	28	80	A	10	50
3.25.071	63	2" (F)	4	38	28	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)	3	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

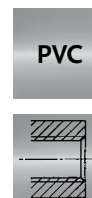
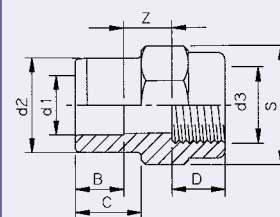
Manchon taraudé

Manicotto

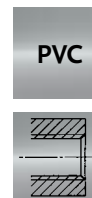
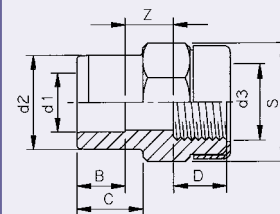
Manguito transición



TYPE A



TYPE B



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

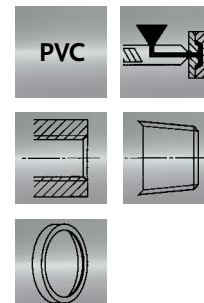
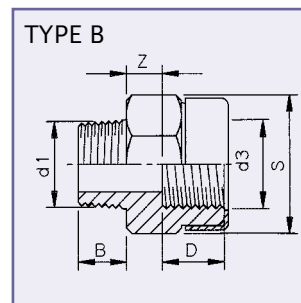
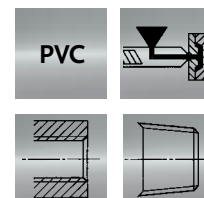
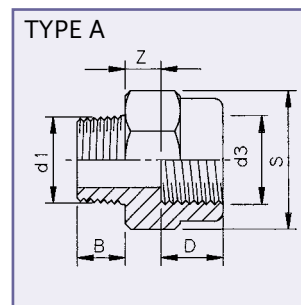
Draadsok

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

Reducing bush

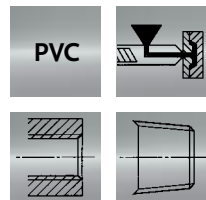
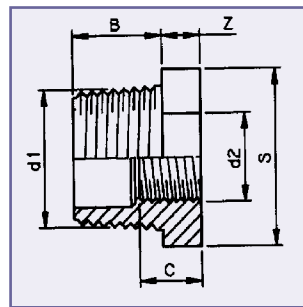
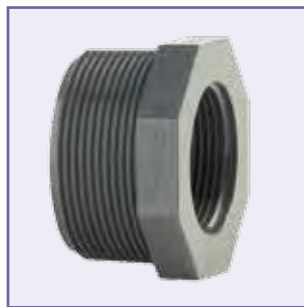
Verloopring

Reduzierstück

Réduction courte

Riduzione curta

Reducción corta



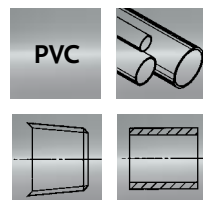
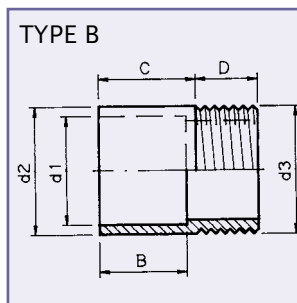
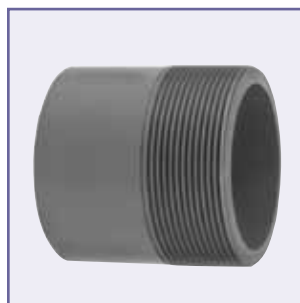
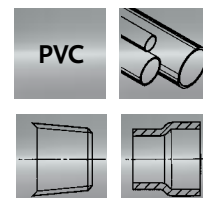
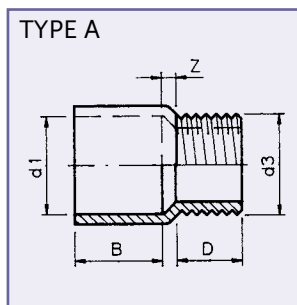
PVC

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
1.40.140	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

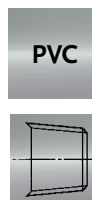
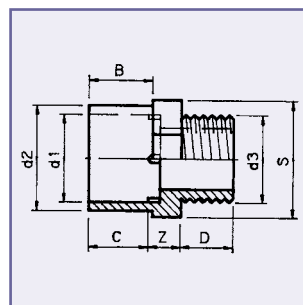
Draadeind

Gewindestück

Embout fileté

Manicotto nipplo

Manchon de transición

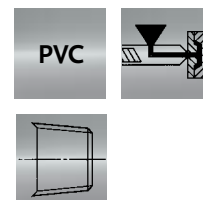
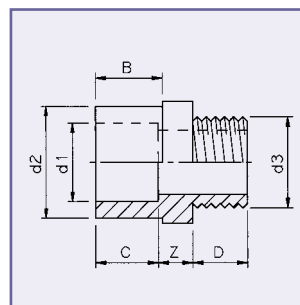


PVC-u metric

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

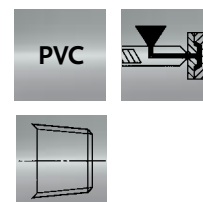
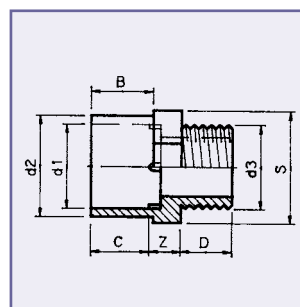
Draadeind
Gewindestück
Embout fileté
Manicotto nipplo
Manchon de transición



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)	6	22	19	17	10	500
3.20.050	25	32	1" (M)	5	22	19	18	10	500
3.20.055	32	40	1" (M)	5	23	22	17	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	D	S	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)	10	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

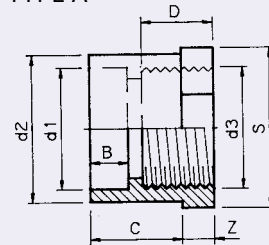
Réduction courte

Bussole di riduzione

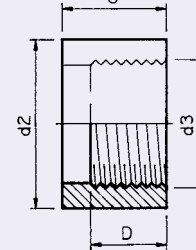
Casquillo reducción



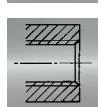
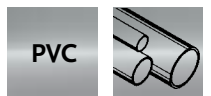
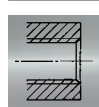
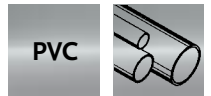
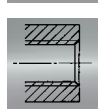
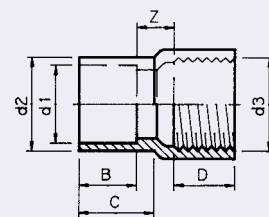
TYPE A



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

Reducing bush

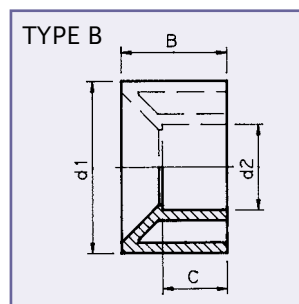
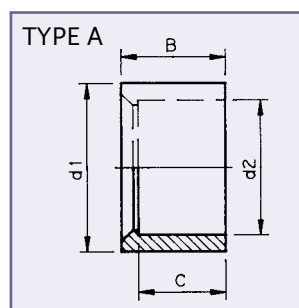
Lijmring

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

PVC-u metric

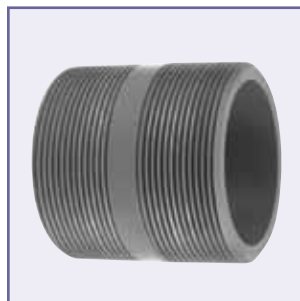
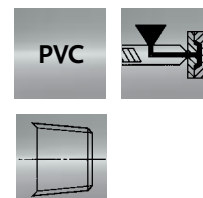
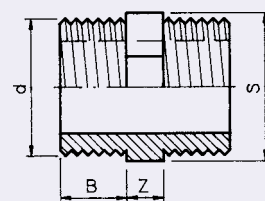
Art.code	d1	d2	B	C	Type	PN	Quantity
3.05.142	140	110	76	61	B	16	15
3.05.143	140	125	76	69	A	16	15
3.05.160	160	90	86	51	B	16	8
3.05.161	160	110	86	61	B	16	8
3.05.162	160	125	86	69	a	16	8
3.05.163	160	140	86	76	A	16	8
3.05.197	200	110	106	61	B	10	10
3.05.198	200	125	106	69	B	10	10
3.05.199	200	140	106	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

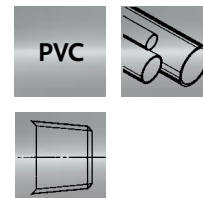
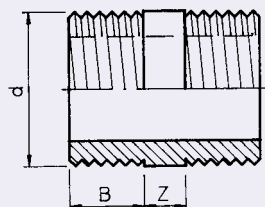
Draadnippel
Doppelnippel
Mamelon fileté
Nipplo
Nipple



TYPE A



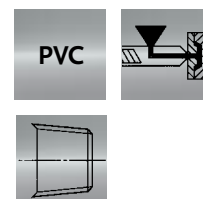
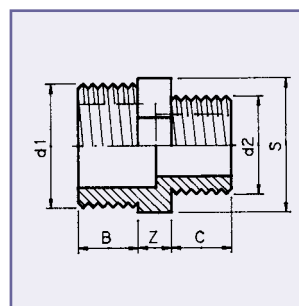
TYPE B



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 fileté
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

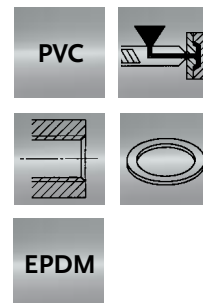
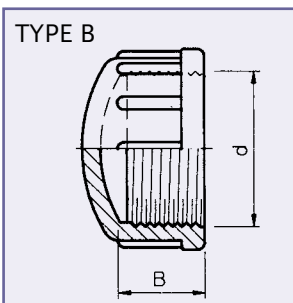
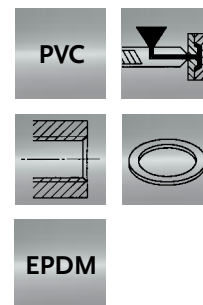
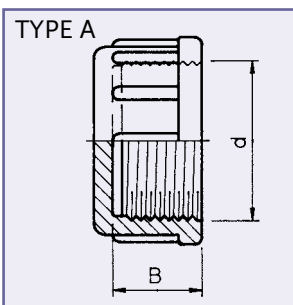
Draadkap

Schraubkappe

Bouchon taraudé

Calotta a filetto

Tapon rosco hembra



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

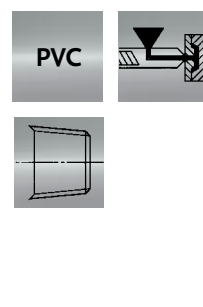
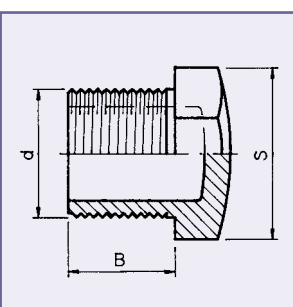
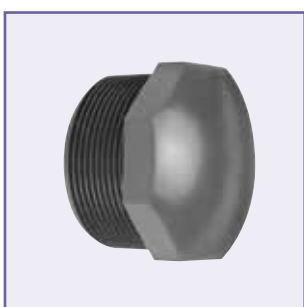
Draadstop

Gewindestopfen

Bouchon fileté

Tappo

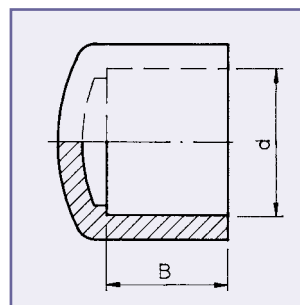
Tapon rosco macho



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

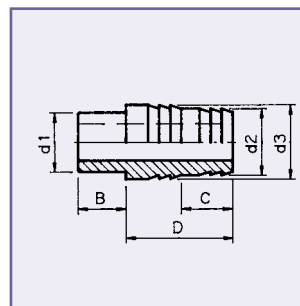
Lijmkap
Klebekappe
Bouchon à coller
Calotta
Tapón



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

Hose nozzle

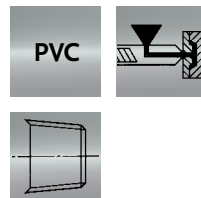
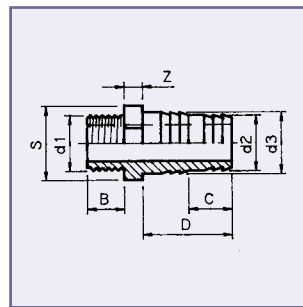
Slangpilaar
Schlauchtülle
Embout cannelé
Portagomma
Conexión manguera



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

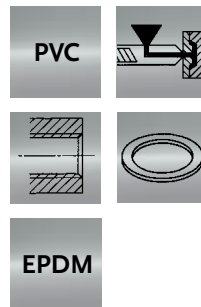
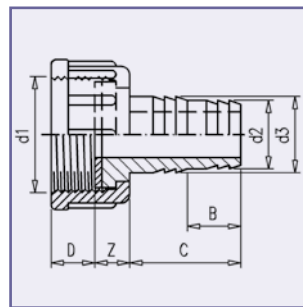


PVC-u metric

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

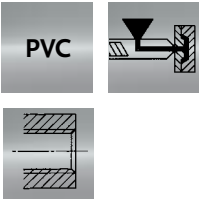
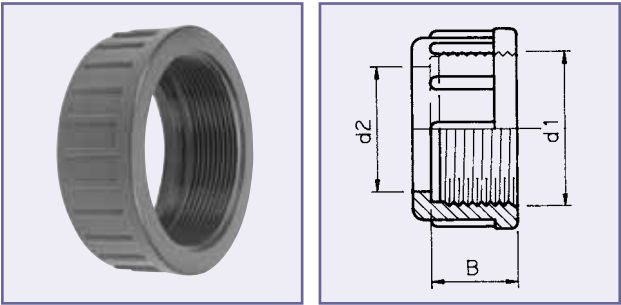


Art.code	d1	d2	d3	Z	B	C	D	Quantity
3.57.018	3/4" (F)	16	18	17	18	40	11	50
3.57.022	1" (F)	20	22	17	20	44	11	50
3.57.027	1 1/4" (F)	25	28	17	24	54	13	50
3.57.034	1 1/2" (F)	31	34	20	28	63	13	50
3.57.042	2" (F)	40	43	20	32	72	15	50
3.57.052	2 1/4" (F)	50	53	23	35	80	16	50
3.57.065	2 3/4" (F)	60	66	23	40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

Union nut (parts)

FOR INJECTION MOULDED ADAPTOR
UNION AND HOSE NOZZLE

- Wartelmoer
VOOR SPUITGIETKOPPELING EN SLANGPILAAR
- Überwurfmutter
FÜR SPRITZGUSS VERSCHRAUBUNG UND SCHLAUCHTÜLLE
- Ecrou de raccord
POUR RACCORD UNION ET EMBOUT CANNÉLÉ
- Chiera
PER INIEZIONE BOCCHETTONE E PORTAGOMMA
- Tuerca enlace
PARA UNIÓN Y CONEXIÓN MANGUERA

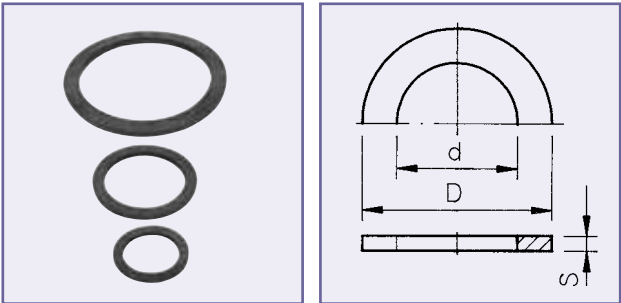


Art.code	Dia	d1	d2	B	Quantity
8.20.016	16	3/4" (F)	22	16	50
8.20.020	20	1" (F)	27	16	50
8.20.025	25	1 1/4" (F)	36	19	50
8.20.032	32	1 1/2" (F)	41	19	50
8.20.040	40	2" (F)	53	22	25
8.20.050	50	2 1/4" (F)	60	24	25
8.20.063	63	2 3/4" (F)	75	29	25

Union washer (parts)

FOR HOSE NOZZLE

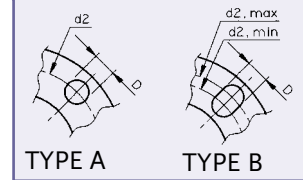
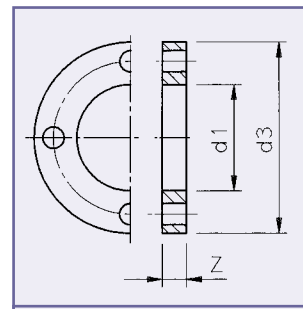
- Rubber afdichtring
VOOR SLANGPILAAR
- Gummiring
FÜR SCHLAUCHTÜLLE
- Joint caoutchouc
POUR EMBOUT CANNÉLÉ
- Guarnizione di gomma
PER PORTAGOMMA
- Junta cuacho
PARA CONEXIÓN MANGUERA



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



PVC



PVC-u metric

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

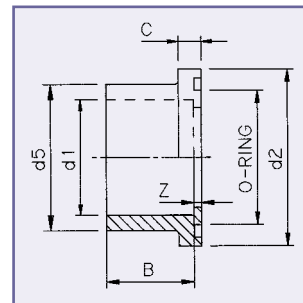
Connecting dimension according to...
Bevestigingsmaat volgens...
Anschlußmasse zufolge...

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)



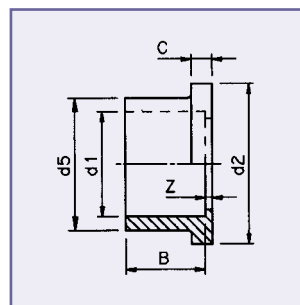
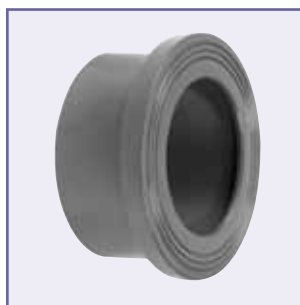
PVC



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

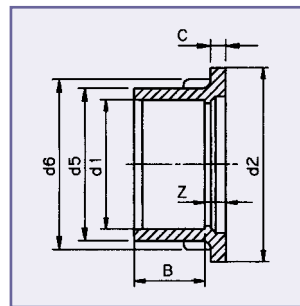
Kraagbus
Bundbusche
Collet
Collare
Portabrida



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	9	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	482	484	10	206	34	1

Flange adaptor

Kraagbus
Bundbusche
Collet
Collare
Portabrida

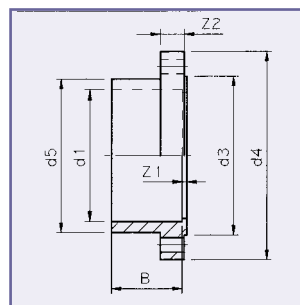


Reducing flange adaptor
Verloop kraagbus
Bundbuchse reduzierend
Collet réduit
Collare ridotto
Portabrida reducida

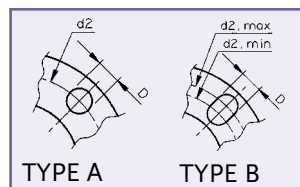
Art.code	d1	d2	d5	d6	Z	B	C	Quantity
3.72.068	63	106 (75)	77	91	12	38	10	50
3.72.130	125	188 (140)	148	165	21	69	14	10
3.72.205	200	273 (225)	228	248	34	106	22	3
3.72.255	250	328 (280)	280	306	35	131	25	4

Fixed flange

Lijmflens
Klebeflansch
Bride fixe
Flangia fissa
Brida fija



PVC-u metric



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

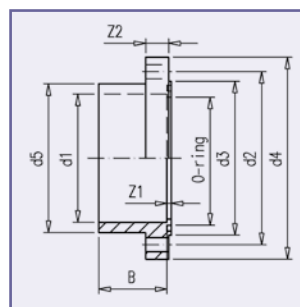
Connecting dimension according to...
Bevestigingsmaat volgens...
Anschlußmasse zufolge...

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

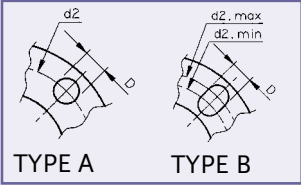
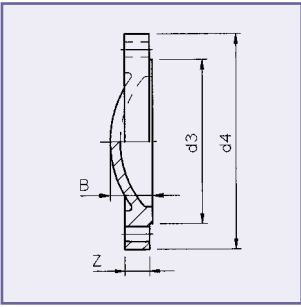
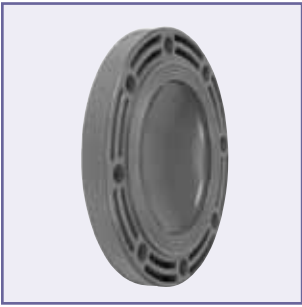
Connecting dimension according to...
Bevestigingsmaat volgens...

Mesure de assujettir suivant...
Misura di attaccare secondo...

- 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

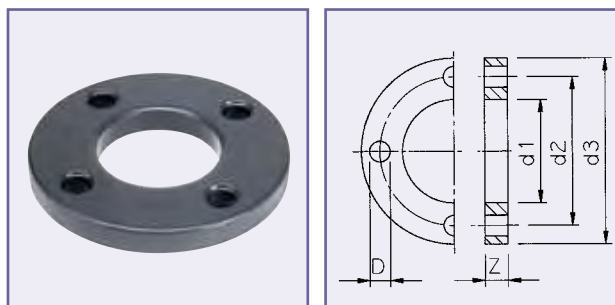
Connecting dimension according to...
Bevestigingsmaat volgens...
Anschlußmasse zufolge...

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...

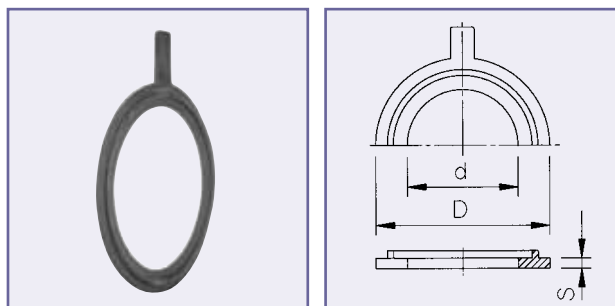
Medida de sujetar según...

• ISO/DIN 2501 PN10

... ISO 2536 PN10

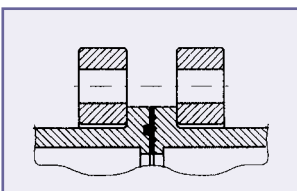
T-Ring for Flange adaptor

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

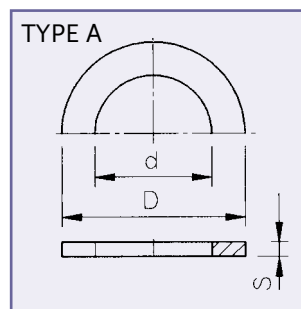
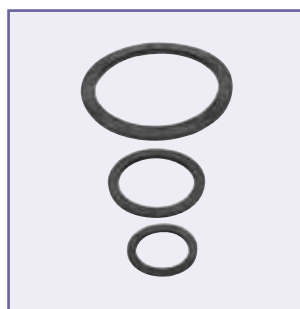
Rubber afdichter voor kraagbus

Gummiring für Bundbuchse

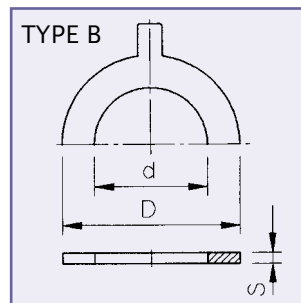
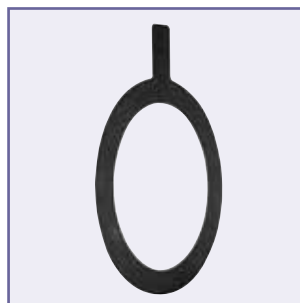
Joint caoutchouc pour collet

Guarnizione di gomma per collare

Junta caucho para portabrida

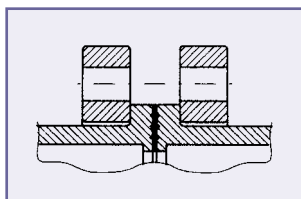


EPDM



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

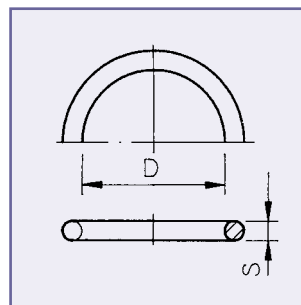
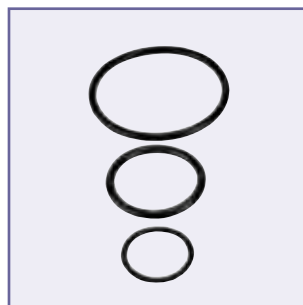
Dichtung mit flachem Ring

Joint avec joint plat

Tenuta con guarnizione piana

Sellado con junta

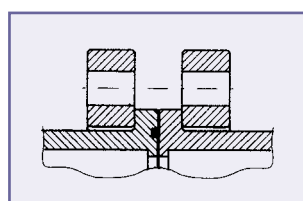
O-Ring for F



EPDM

PVC-u metric

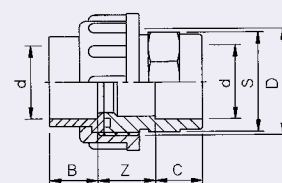
Art.code	Dia		D	S		Quantity
8.06.200	200		215.30	7.00		10
8.06.225	225		240.70	7.00		10
8.06.250	250		266.00	7.00		10
8.06.280	280		295.00	10.00		10
8.06.315	315		330.00	10.00		10



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



TYPE A



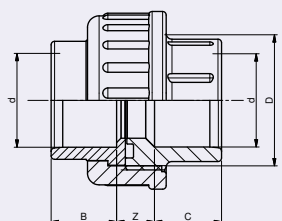
PVC



EPDM



TYPE B



PVC

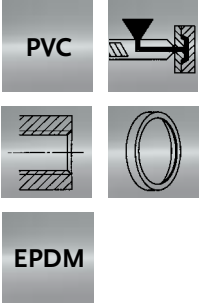
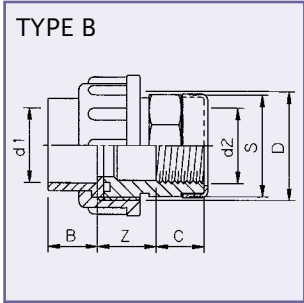
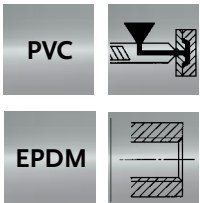
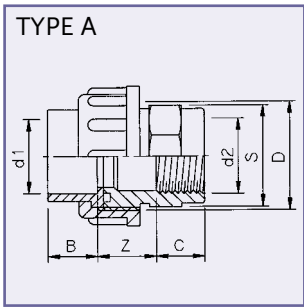


EPDM

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

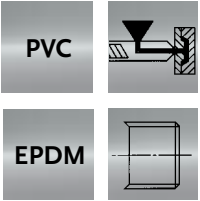
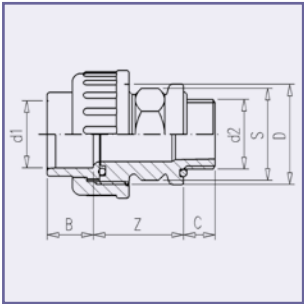
Spuitgietskoppeling
 Verschraubung
 Raccord union
 Bocchettone
 Enlace de unión



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

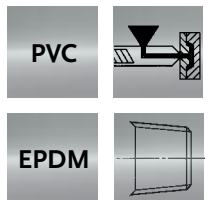
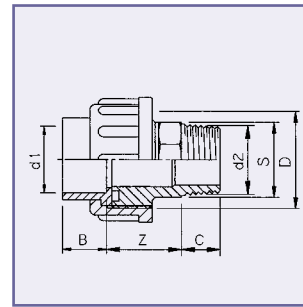
Koppeling met O-ring (zwembadkoppeling)
 Verschraubung mit O-Ring
 Raccord union avec joint torique
 Bocchettone a O-ring
 Enlace de unión con junta torica



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

Spuitsgietskoppeling
Verschraubung
Raccord union
Bocchettone
Enlace de unión

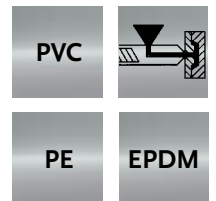
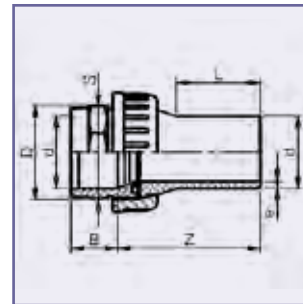


PVC-u metric

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



Art.code	d	D	B	Z	S	L	SDR	P (bar)	Quantity
3.63.063	63	2 3/4"	38	116	80	70	11	12,5	3
3.63.064	63	2 3/4"	38	116	80	70	17	7,5	3
3.63.075	75	ZGTD	44	140	94	81	11	7,5	3
3.63.076	75	ZGTD	44	140	94	81	17	7,5	3
3.63.090	90	ZGTD	51	159	114	90	11	7,5	2
3.63.091	90	ZGTD	51	159	114	90	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

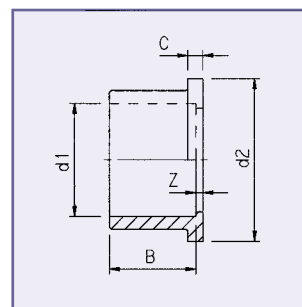
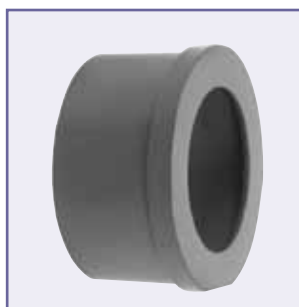
- Maximaler Betriebsdruck (P) für Wasser bei 20°C und bei konstanter Belastung
- Für Einsatz bei höheren Temperaturen oder wechselnden Belastung müssen zusätzliche Reduktionsfaktoren berücksichtigt werden

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

Collar (parts)

Inlegstuk
Bundbuchse
Collet
Collare
Portabrida



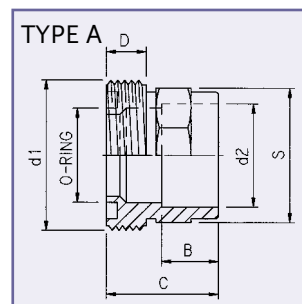
PVC



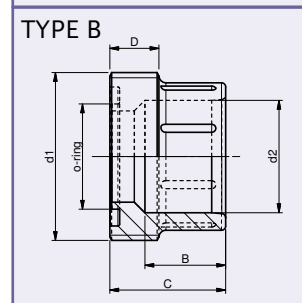
Art.code	d1	d2	Z	B	C	Quantity
8.25.010	10	5/8"	3	12	4	50
8.25.012	12	5/8"	3	12	4	50
8.25.016	16	3/4"	4	14	5	50
8.25.020	20	1"	4	16	5	50
8.25.025	25	1 1/4"	4	19	6	50
8.25.032	32	1 1/2"	4	22	6	50
8.25.040	40	2"	4	26	7	25
8.25.050	50	2 1/4"	4	31	7	25
8.25.063	63	2 3/4"	4	38	8	25
8.25.075	75	ZGTD	5	44	9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



PVC



PVC



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)

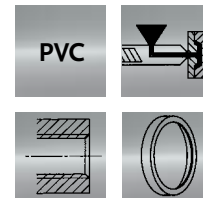
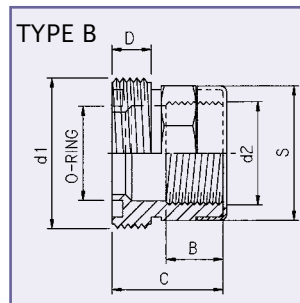
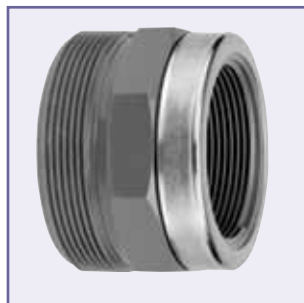
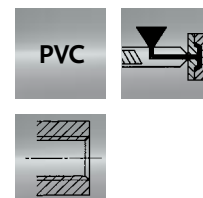
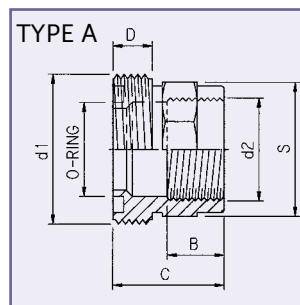
Draadeind

Gewindestück

Collet d'union fileté

Adattore a filetto

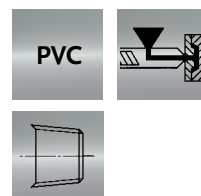
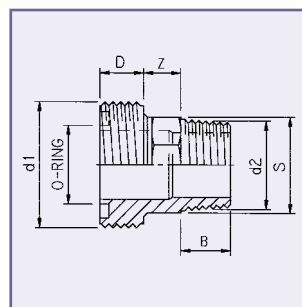
Nipple adaptador



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)

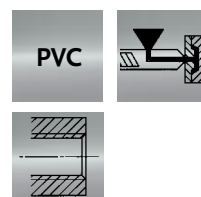
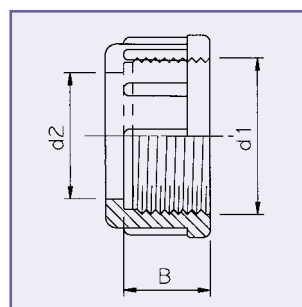
Draadeind
Gewindestück
Collet d'union fileté
Adattore a filetto
Nipple adaptador



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)

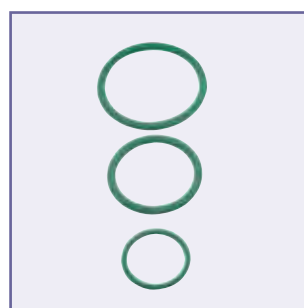
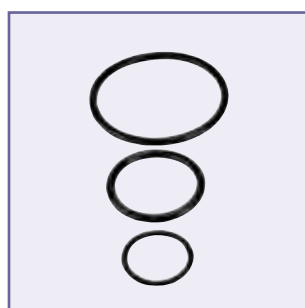
Wartelmoer
Überwurfmutter
Écrou de raccord
Ghiera
Tuerca de enlace



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

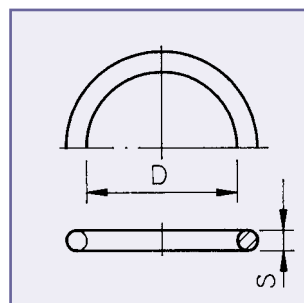
O-ring for union (parts)

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



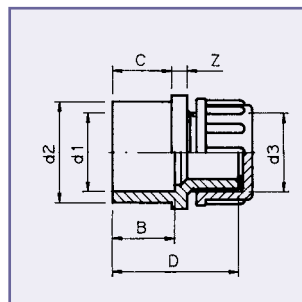
Art.code	Dia	D	S	Quantity
8.06.016	16	15.55	2.62	100
8.06.020	20	20.22	3.53	250
8.06.025	25	28.17	3.53	500
8.06.032	32	32.92	3.53	100
8.06.040	40	40.64	5.33	100
8.06.050	50	46.99	5.33	100
8.06.063	63	59.69	5.33	100
8.06.075	75	78.74	5.33	50
8.06.090	90	97.79	5.33	50
8.06.110	110	117.50	5.33	50

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



PVC



EPDM



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

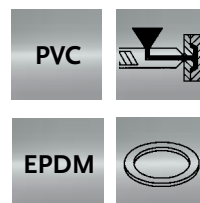
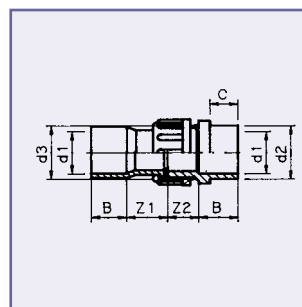
3/3 Koppeling

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	16	250
5.10.032	32	40	1 1/4"	29	21	29	23	16	200
5.10.040	40	50	1 1/2"	36	34	32	28	16	100
5.10.050	50	-	2"	42	39	39	33	16	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

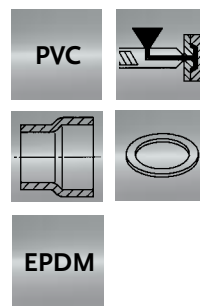
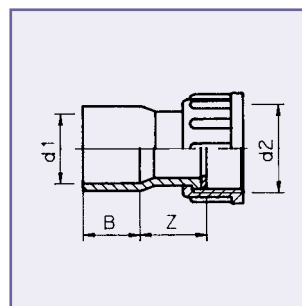
2/3 Koppeling

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)	41	23	10	200
5.15.020	32	1 1/4" (F)	30	30	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	34	10	100
5.15.040	50	2" (F)	43	37	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

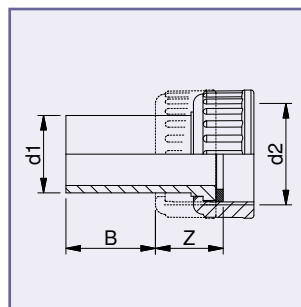
2/3 Koppeling

2/3 Verschraubung

Raccord union à 2 pieces

Bocchettone à 2

Racor union 2 piezas



PVC



EPDM

PVC-u metric

Art.code	d1	d2	Z	B	PN	Quantity
5.14.020	32	1 1/4" (F)	37	40	16	100
5.14.030	40	1 1/2" (F)	44	47	16	100
5.14.040	50	2" (F)	53	56	16	50
5.14.045	63	2 1/2" (F)	59	63	10	50
5.14.050	75	3" (F)	74	78	6	25

Rubber washer for coupling (parts)

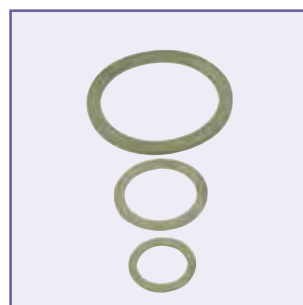
Rubber afdichtring voor koppeling

Gummiring für Verschraubung

Joint plat pour union

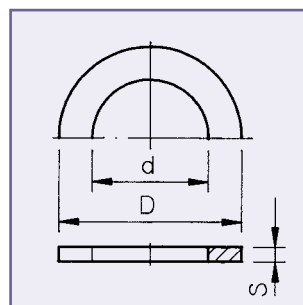
Guarnizione di gomma per bocchettone

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

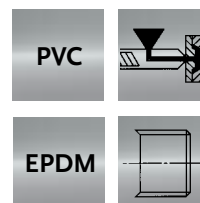
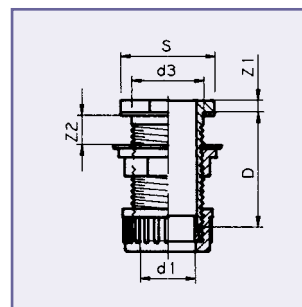
Doorvoer met klemring

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

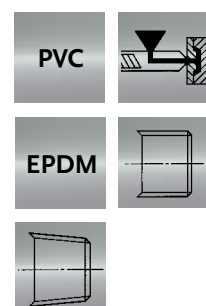
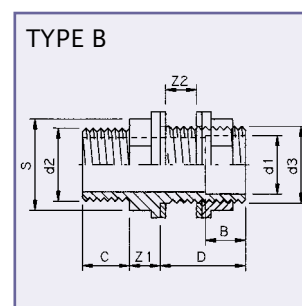
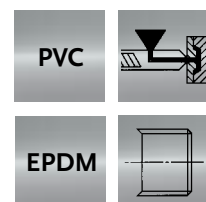
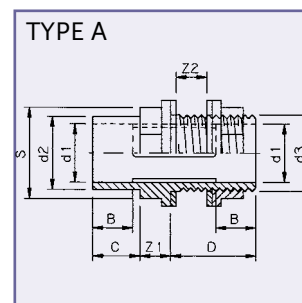
Tankdoorvoer

Behälteranschluss

Traversée de pario

Passagio

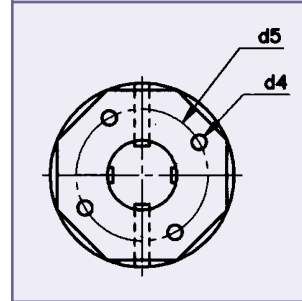
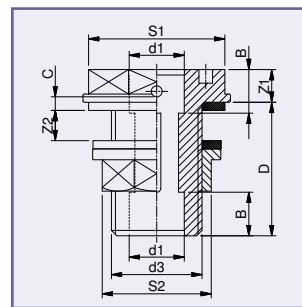
Pasamuro



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



EPDM

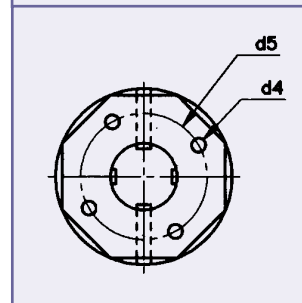
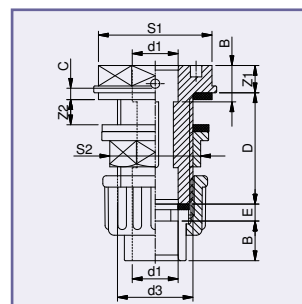


PVC-u metric

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

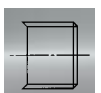
Tankdoorvoer met koppeling
Behälteranschluss mit Verschraubung
Traversée de pario avec union
Passagio con becchettone
Pasamuro con enlace de unión



PVC



EPDM



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)

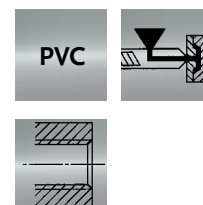
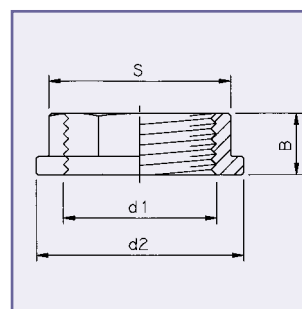
PVC moer

PVC Mutter

PVC écrou

PVC madre vite

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 Slipping (parts)

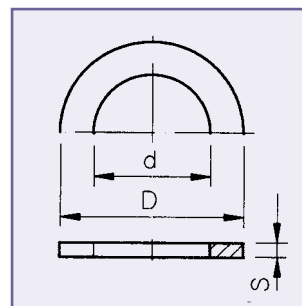
PP Glijring

PP Gleitring

Joint à glissement

Amello suvocate

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

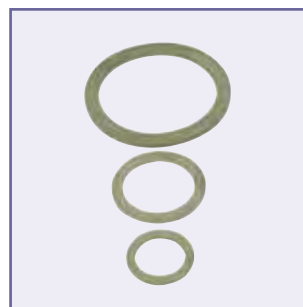
Joint plat

Guarnizione di gomma

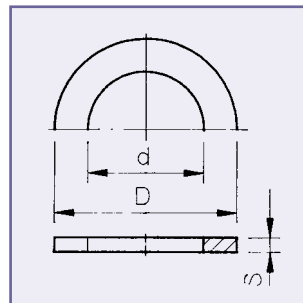
Junta caucho



EDPM



VITON®



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

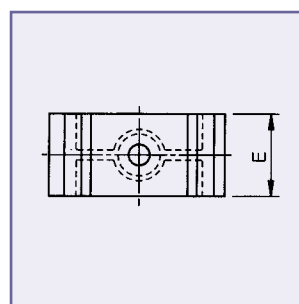
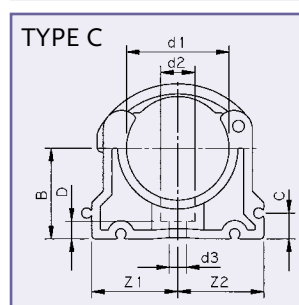
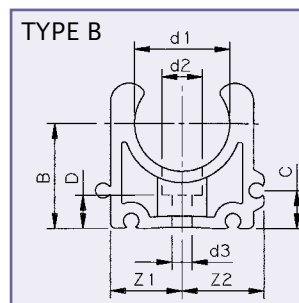
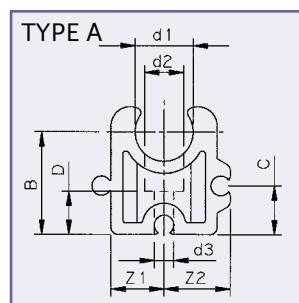
Buisklem

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

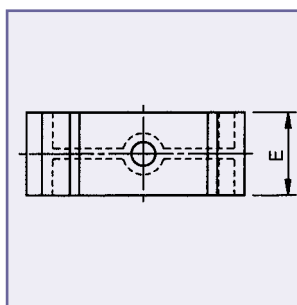
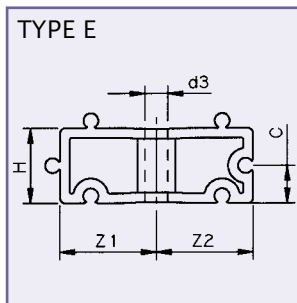
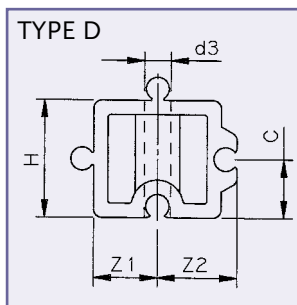
Vulblokje

Distanzhalter

Bloc à reveler

Distanziatore

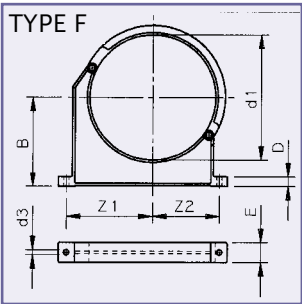
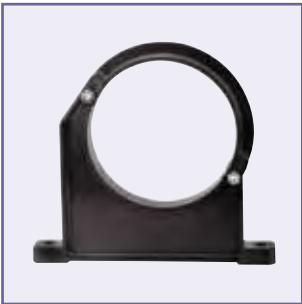
Soporte de relleno



Art.code	Size	d3	Z1	Z2	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
Advies montage afstanden voor VDL buisklemmen en buisbeugels zijn te vinden op www.vdl-fittings.com
Empfohlene Montageabstände für VDL Rohrklemmen und Rohrbügel finden Sie auf www.vdl-fittings.com
Vous trouvez l'avis montage-distances pour les VDL clips de fixation à www.vdl-fittings.com
Lei trovare consiglio per distanza di montaggio per VDL supporto per tubi a www.vdl-fittings.com
Usted encuentre consulta distancia de montaje para VDL abrazadera para tubos en www.vdl-fittings.com

Ball valve type: Eil

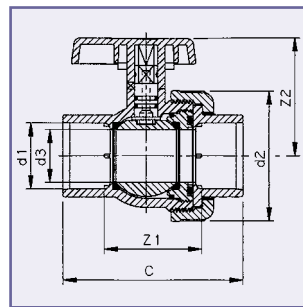
Kogelkraan type: Eil

Kugel Hahn Type: Eil

Vanne à boisseau type: Eil

Valvola a sfera tipo: Eil

Válvula de bola tipo: Eil



PVC



EPDM

PVC-u metric

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

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: Eil

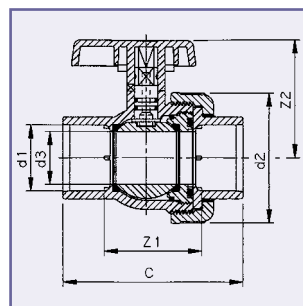
Kogelkraan type: Eil

Kugel Hahn Type: Eil

Vanne à boisseau type: Eil

Valvola a sfera tipo: Eil

Válvula de bola tipo: Eil



PVC



VITON®

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

Flush out secured.

Uitstroom beveiligd.

Die kugel ist gesichert gegen herauspülen.

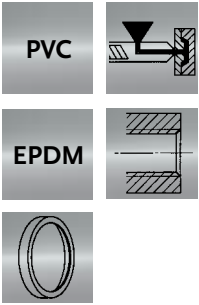
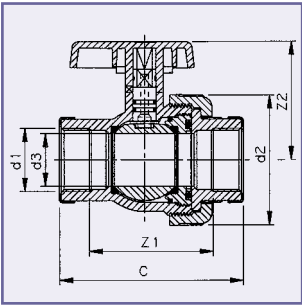
Logement du boisseau sécurisé.

Componenti interni della valvola bloccati.

Bola y juntas aseguradas contra arrestre.

Ball valve type: 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
6.10.016	3/8" (F)	59	15	44.5	50	77	10	16	50
6.10.020	1/2" (F)	59	15	44.5	50	77	15	16	50
6.10.025	3/4" (F)	64	20	52.5	55	87	20	16	50
6.10.032	1" (F)	73	25	58.0	65	100	25	16	50
6.10.040	1 1/4" (F)	86	32	58.0	75	114	32	16	25
6.10.050	1 1/2" (F)	102	40	91.5	90	138	40	16	20
6.10.063	2" (F)	124	50	107.0	103	167	50	16	10

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.

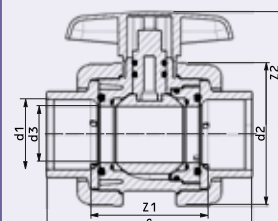
Componenti interni della valvola bloccati.

Bola y juntas aseguradas contra arrestre.

TYPE A



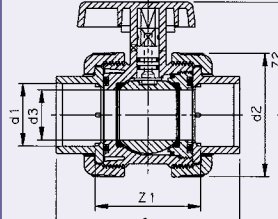
TYPE A



TYPE B



TYPE B



PVC



EPDM

PVC-u metric

Art.code	d1	d2	d3	Z1	Z2	C	DN	PN	Type	Quantity
6.15.016	16	59	15	50.0	50	84	10	16	A	50
6.15.020	20	59	15	50.0	50	84	15	16	A	50
6.15.025	25	64	20	54.0	55	93	20	16	A	50
6.15.032	32	73	25	63.0	65	108	25	16	A	50
6.15.040	40	86	32	69.0	75	122	32	16	A	25
6.15.050	50	102	40	85.5	90	148	40	16	A	15
6.15.063	63	124	50	103.0	103	175	50	16	A	10
6.15.075	75	151	63	128.0	123	216	65	10	B	5
6.15.090	90	178.5	75	154.0	143	256	80	10	B	3
6.15.110	110	215.5	90	184.0	161	306	100	10	B	1

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.

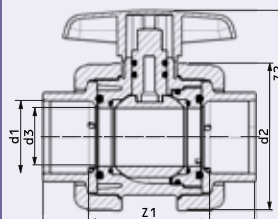
Componenti interni della valvola bloccati.

Bola y juntas aseguradas contra arrestre.

TYPE A



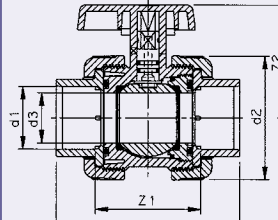
TYPE A



TYPE B



TYPE B



PVC

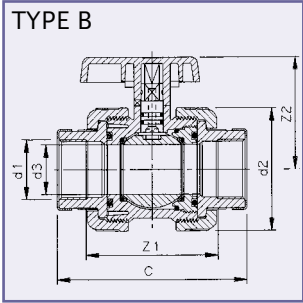
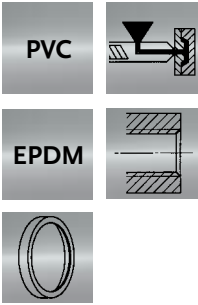
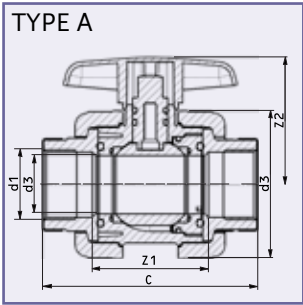


VITON®

Art.code	d1	d2	d3	Z1	Z2	C	DN	PN	Type	Quantity
6.16.016	16	59	15	50.0	50	84	10	16	A	50
6.16.020	20	59	15	50.0	50	84	15	16	A	50
6.16.025	25	64	20	54.0	55	93	20	16	A	50
6.16.032	32	73	25	63.0	65	108	25	16	A	50
6.16.040	40	86	32	69.0	75	122	32	16	A	25
6.16.050	50	102	40	85.5	90	148	40	16	A	15

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
6.20.016	A	3/8" (F)	59	15	52.0	50	84	10	16	50
6.20.020	A	1/2" (F)	59	15	52.0	50	84	15	16	50
6.20.025	A	3/4" (F)	64	20	59.0	55	93	20	16	50
6.20.032	A	1" (F)	73	25	66.0	65	108	25	16	50
6.20.040	A	1 1/4" (F)	86	32	76.0	75	122	32	16	25
6.20.050	A	1 1/2" (F)	102	40	102.0	90	148	40	16	15
6.20.063	A	2" (F)	124	50	107.0	103	175	50	16	10
6.20.075	B	2 1/2" (F)	151	63	144.0	123	216	65	10	5
6.20.090	B	3" (F)	178.5	75	178.0	143	256	80	10	3
6.20.110	B	4" (F)	215.5	90	214.0	161	306	100	10	1

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 Valves ISO Top

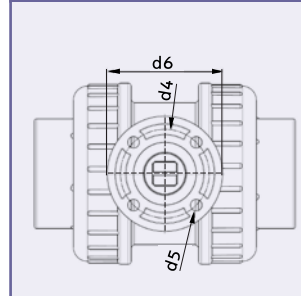
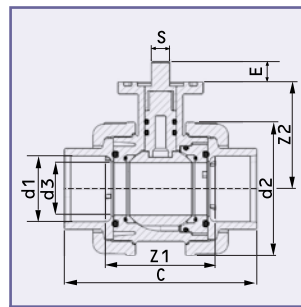
Kogelkranen ISO Top

Kugelhähne ISO Top

Vanne a boisseau ISO Top

Valvola a sfera ISO Top

Válvula de bola ISO Top



PVC



EPDM

PVC-u metric

Art.code	d1	d2	d3	Z1	Z2	C	DN	PN	Quantity
6.14.032	32	73	25	63	60.5	108	25	16	12 (6x2)
6.14.050	50	102	40	85.5	81.5	148	40	16	6 (6x1)
6.14.063	63	124	50	101	93.5	178	50	16	

on req.

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	

on req.

* 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.

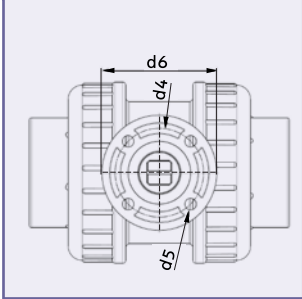
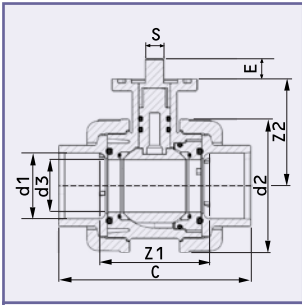
* Mittelwert bei Nominale Druck;

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



PVC

VITON®

Art.code	d1	d2	d3	Z1	Z2	C	DN	PN	Quantity
6.17.032	32	73	25	63	60.5	108	25	16	12 (6x2)
6.17.050	50	102	40	85.5	81.5	148	40	16	6 (6x1)
6.17.063	63	124	50	101	93.5	178	50	16	

on req.

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	

on req.

- * 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

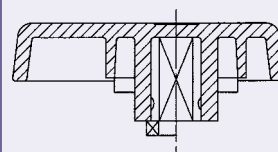
Presà di valvola a sfera

Maneta de válvula de bola

TYPE A



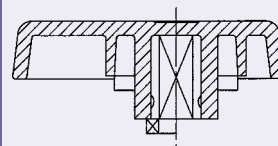
TYPE A



TYPE B



TYPE B



PVC



PVC-u metric

Art.code	Type	Description	Quantity
8.58.020	A	handle for ball valve 20-16	25
8.58.021	B	for 6.15.016/20	25
8.58.025	A	handle for ball valve 25	25
8.58.026	B	for 6.15.025	25
8.58.032	A	handle for ball valve 32	25
8.58.033	B	for 6.15.032	25
8.58.040	A	handle for ball valve 40	25
8.58.041	B	for 6.15.040	25
8.58.050	A	handle for ball valve 50	25
8.58.051	B	for 6.15.050	25
8.58.063	A	handle for ball valve 63	25
8.58.064	B	for 6.15.063	25
8.58.075	A	handle for ball valve 75	10
8.58.090	A	handle for ball valve 90	10
8.58.110	A	handle for ball valve 10	10

Available in the colours : blue/grey/green/white/black

Leverbaar in de kleuren : blauw/grijs/groen/wit/zwart

Lieferbar in Farben : blau/grau/grün/weiß/schwarz

Livrabable dans les couleurs: bleu/gris/vert/blanc/noir

Disponibile in colores : blu/grigio/verde/bianco/nero

Disponibile en colores : azul/gris/verde/blanco/negro

Union nutt ball valve (parts)

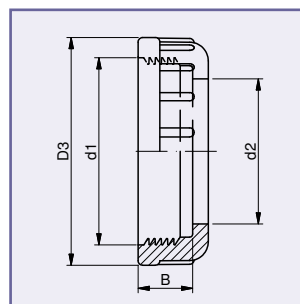
Wartel kogelkraan

Überwurfmutter Kugelhahn

Écrou vanne à boisseau

Gheira valvola a sfera

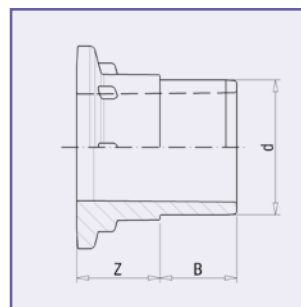
Tuerca union válvula



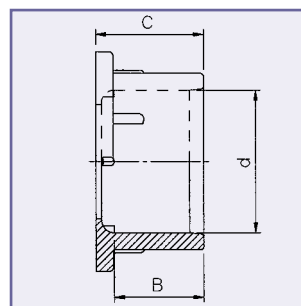
PVC



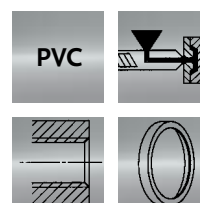
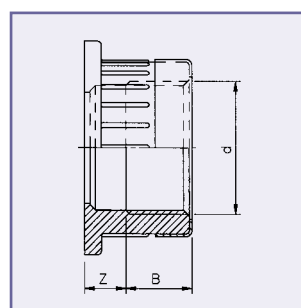
Art.code	d1	d2	d3	B	DN	Quantity
6.24.020	47	32.0	59	16	10/15	50
6.24.025	51	38.0	64	19	20	50
6.24.032	59	46.5	73	22	25	50
6.24.040	70	55.5	86	26	32	25
6.24.050	84	66.0	102	31	40	20
6.24.063	101	83.0	124	38	50	20
6.24.075	127	98.0	151	36	65	10
6.24.090	152	116.0	158.5	43	80	10
6.24.110	182	139.0	215.5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



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



Art.code	d	Z	B	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



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

PE connector for ball valve (option)

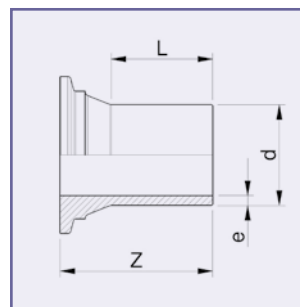
PE inlegdeel voor kogelkraan

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
6.31.075	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)

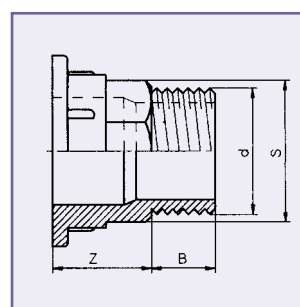
Inlegstuk uitwendig draad

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	Description	
6.40.020	Kit DN 15/DN 10	EPDM
6.40.021	for 6.15.016/20	
6.40.025	Kit DN 20	EPDM
6.40.026	for 6.15.025	
6.40.032	Kit DN 25	EPDM
6.40.033	for 6.15.032	
6.40.040	Kit DN 32	EPDM
6.40.041	for 6.15.040	
6.40.050	Kit DN 40	EPDM
6.40.051	for 6.15.050	
6.40.063	Kit DN 50	EPDM
6.40.064	for 6.15.063	
6.40.075	Kit DN 65	EPDM
6.40.090	Kit DN 80	EPDM
6.40.110	Kit DN 100	EPDM

VITON® (F.P.M Colour = green)

Art.code	Description	
6.42.020	Kit DN 15/DN 10	Viton®
6.42.021	for 6.16.016/20	
6.42.025	Kit DN 20	Viton®
6.42.026	for 6.16.025	
6.42.032	Kit DN 25	Viton®
6.42.033	for 6.16.032	
6.42.040	Kit DN 32	Viton®
6.42.041	for 6.16.040	
6.42.050	Kit DN 40	Viton®
6.42.051	for 6.16.050	
6.42.063	Kit DN 50	Viton®
6.42.064	for 6.16.063	
6.42.075	Kit DN 65	Viton®
6.42.090	Kit DN 80	Viton®
6.42.110	Kit DN 100	Viton®

Technical data ball valves

Technische info kogelkranen

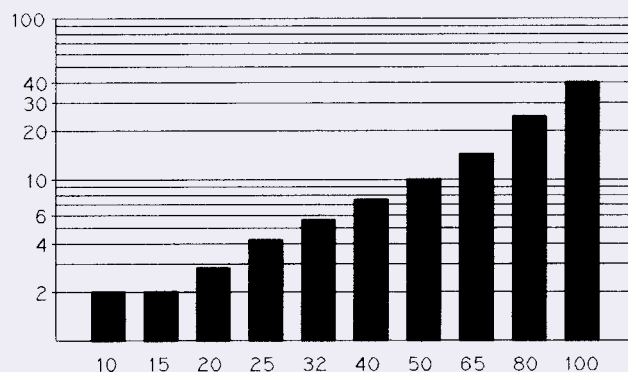
Technische Daten Kugelhahne

Caractéristiques techniques vanne à boisseau

Dati tecniche valvola a sfera

Información técnico válvula de bola

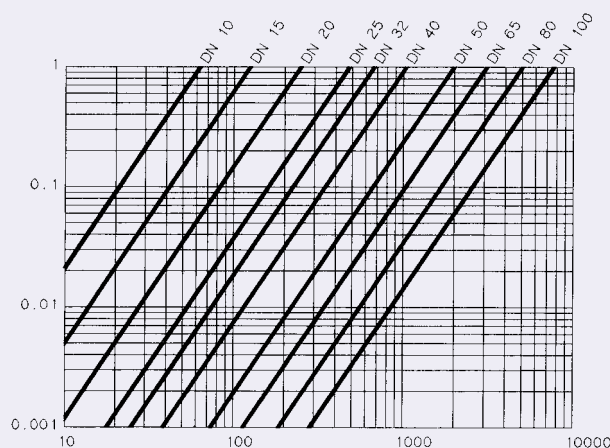
Torque/Draaimoment/Drehmoment/Torque
Momento torcente/Par de apriete
(Nm)



Nominal size/Nominale doorlaat/Nennweite/Dimension nominal/Diametro
nominale/Dimensión nominal (DN mm)

Torque
Draaimoment
Drehmoment
Torque
Momento torcente
Par de maniobra

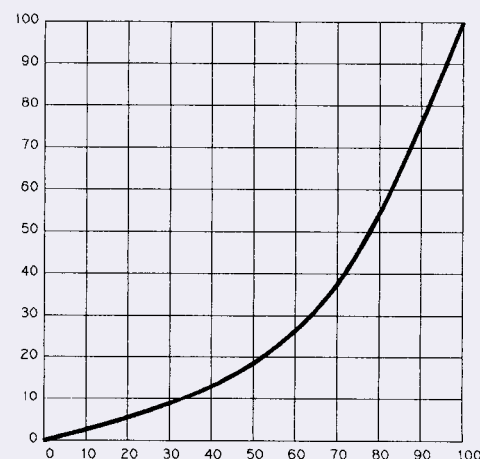
Pressure loss/Drukverlies/Druckverlust/Perte de
pression/Pertida di carico/Pérdida de presión
(Bar)



Flow rate/Debiet/Durchflussmenge/Debit/Portata/Caudal
(l/min)

Medium: Water
Water
Wasser
Eau
Acqua
Agua

Kv-value%/Kv-waarde%/Kv-Wert%/Kv-value%/
Valore Kv%/Valor Kv%



Angle of opening/Openingshoek/Offnungswinkel/Angle d'ouverture/Angolo
di apertura/Ángulo de apertura (%)

Flow-through characteristics
Doorstroom karakteristiek
Durchfluss Charakteristiken
Courbe de passage
Caratteristiche passaggio di flusso
Características de flujo

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

Laboratory ball valve

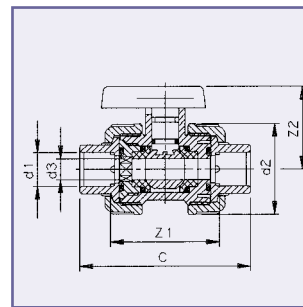
Laboratorium kogelkraan

Laboratorium Kugelhahn

Vanne a boisseau laboratoire

Valvula a sfera laboratorio

Válvula de bola laborarorio



PVC



EPDM

PVC 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

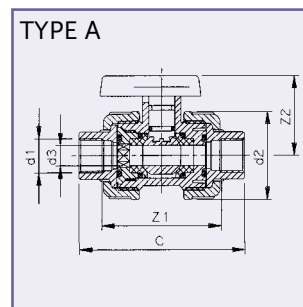
Laboratorium kogelkraan

Laboratorium Kugelhahn

Vanne a boisseau laboratoire

Valvula a sfera laboratorio

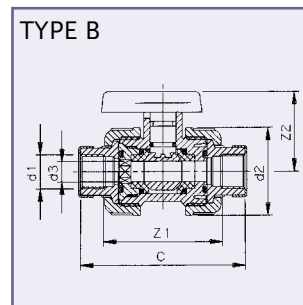
Válvula de bola laborarorio



PVC



EPDM



PVC



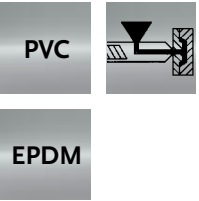
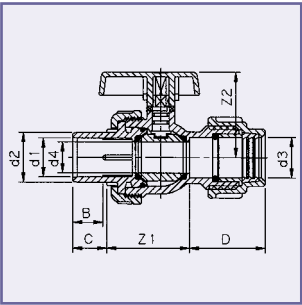
EPDM



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

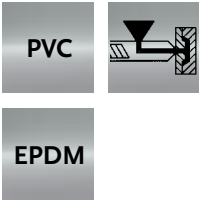
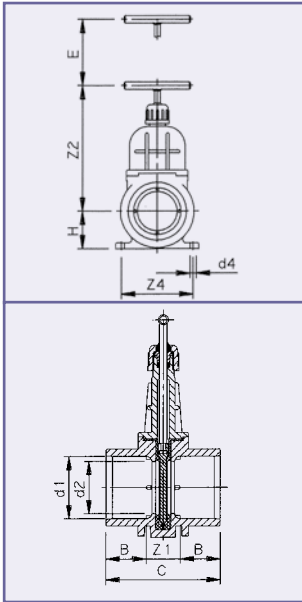
Kogelkraan voor substraat
Kugelhahn für Nährboden Anlagen
Vanne à boisseau pour substrat
Vavula a sfera per cultura substrato
Válvula de bola para substrato nutritivo



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

Schui-fafsluiter
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

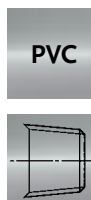
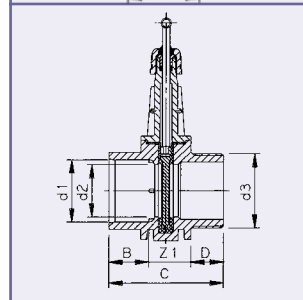
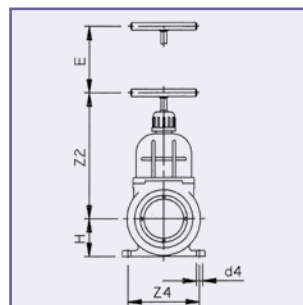
Schuijfafsluiter

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

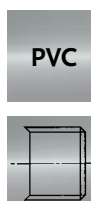
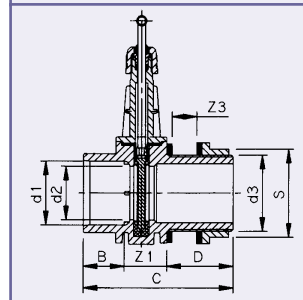
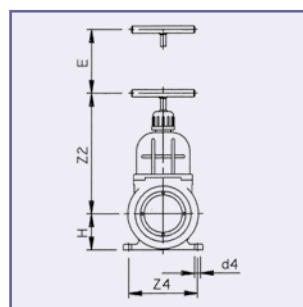
Schuijfafsluiter

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 rechange
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 técnico válvula 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 posizioni. 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 della guarnizione 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

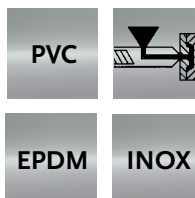
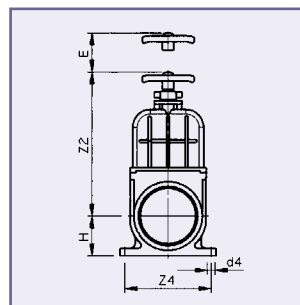
Schuifafsluiter

Absperrschieber

Vanne à Guillotine

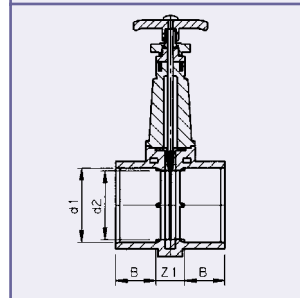
Valvula Ghigliottina

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

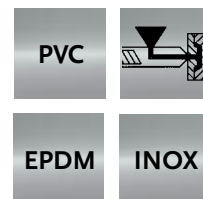
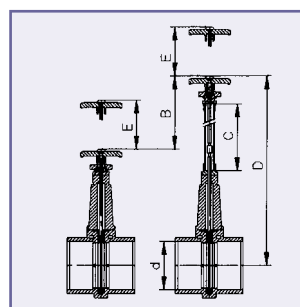
Schuifafsluiter

Absperrschieber

Vanne à Guillotine

Valvula Ghigliottina

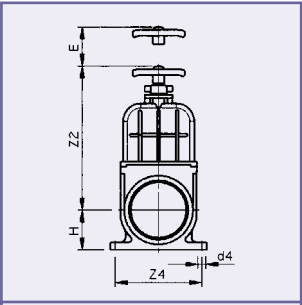
Válvula de guillotina



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

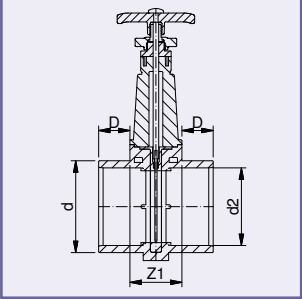


PVC

EPDM

INOX

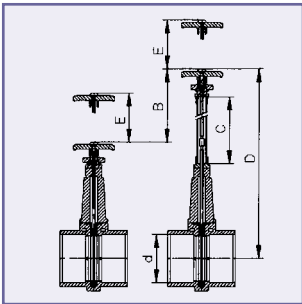
Male solvent weld
 Uitwendige lijmverbinding
 Klebestutzen
 À coller male
 Maschio per incollaggio
 Encolar Macho



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

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

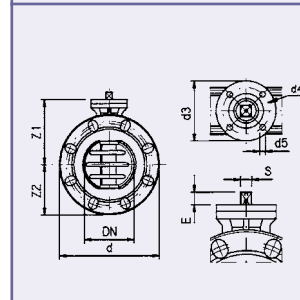
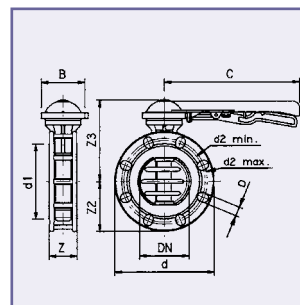
Vlinderklep

Absperrklappe

Vanne à papillon

Valvola a farfalla

Válvula de mariposa



PVC



EPDM

INOX

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

Absperrklappe

Vanne à papillon

Valvola a farfalla

Válvula de mariposa



PVC



EPDM

INOX

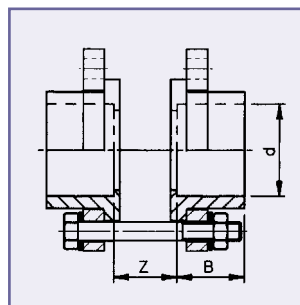
Direct mounting for actuators according to ISO 5211...
 Directe aansluiting voor aandrijvingen volgens ISO 5211...
 Direkte Anschluß für Armaturen nach ISO 5211...

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	ISO 5211
SPE670075	75	ISO 5211 - F05/F07 - Y - L - 11
SPE670090	90	ISO 5211 - F05/F07 - Y - L - 14
SPE670110	110	ISO 5211 - F05/F07 - Y - L - 14
SPE670140	140	ISO 5211 - F07 - Y - L - 17
SPE670160	160	ISO 5211 - F07 - Y - L - 17
SPE670225	225	ISO 5211 - F10 - Y - L - 22

Kit for Butterfly valve

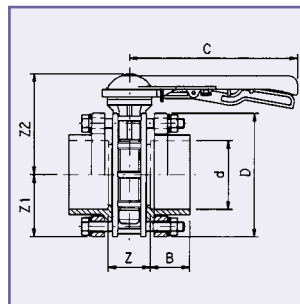
Kit voor Vlinderklep
Kit für Absperrklappe
Kit pour vanne à papillon
Kit para valvola a farfalla
Kit para válvula de mariposa



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	Z1	Z2	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

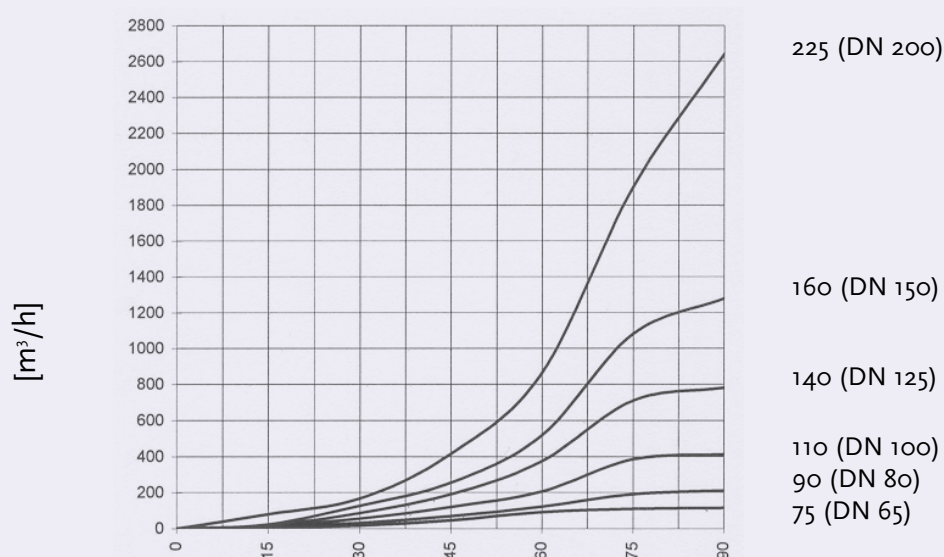
Información técnico válvula de mariposa

PVC-u metric

Data/ Informatie/ Daten/ Caractéristiques/ Dati/ Información

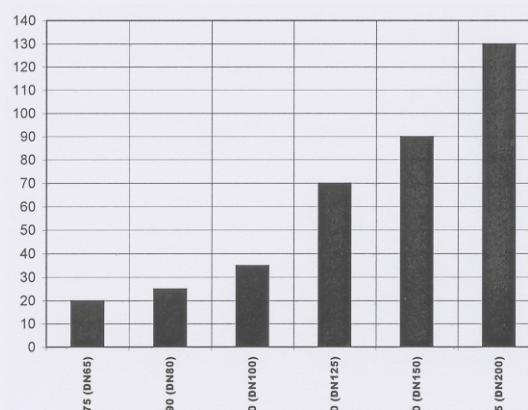
Body	: PVC-U	Corps	: PVC-U
Seals	: EPDM	Garniture	: EPDM
Shaft	: INOX 316	Tige	: INOXIDABLE 316
Huis	: PVC-U	Corpo	: PVC-U
Afdichting	: EPDM	Tenute	: EPDM
As	: RVS 316	Stelo	: ACCIAIO INOX 316
Gehäuse	: PVC-U	Cuerpo	: PVC-U
Dichtungen	: EPDM	Juntas	: EPDM
Welle	: EDELSTAHL 316	Eje	: INOX 316

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



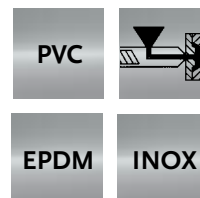
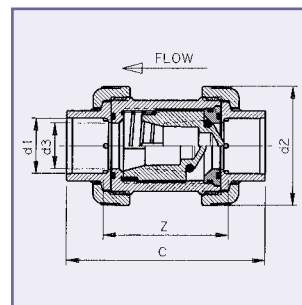
Angle of opening, Openingshoek, Öffnungswinkel, Angle d'ouverture, Angulo di apertura, Ángulo de apertura
[°]

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



Checkvalve

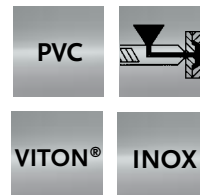
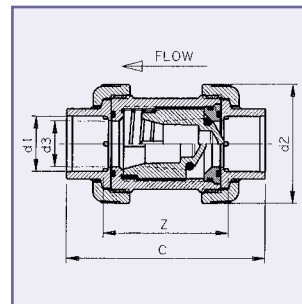
Terugslagklep
Rückschlagventil
Soupape de retenue
Valvola diritegno
Vulvelas antiretorno



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

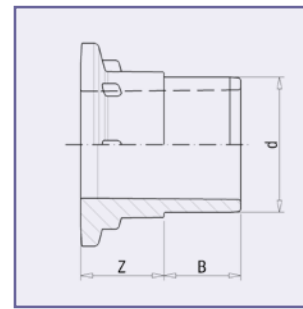


Art.code	d1	d2	d3	Z	C	DN	PN	P	Kv	Quantity
6.61.016	16	43	10	46	75	10	16	0.05	61	50
6.61.020	20	59	17	58	91	15	16	0.05	147	50
6.61.025	25	64	22	62.5	101.5	20	16	0.05	263	50
6.61.032	32	73	27	75.5	120.5	25	16	0.05	388	50
6.61.040	40	86	33	90	143	32	16	0.05	682	30
6.61.050	50	102	40	108	171	40	16	0.05	1052	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 Δp is 1 bar, bepaald volgens DIN EN 60534-2-3 Flow [l/min] by which Δp is 1 bar, determined according to DIN EN 60534-2-3 Fluss [l/min] wobei Δp 1 bar ist, festgesetzt zufolge DIN EN 60534-2-3 Courant [l/min] par lequel Δp est 1 bar, déterminé par DIN EN 60534-2-3 Corrente [l/min] fra cui Δp é 1 bar, determinato secondo DIN EN 60534-2-3 Caudal [l/min] con un Δp de 1 bar, determinado según DIN EN 60534-2-3
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Collar male spigot (option)

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

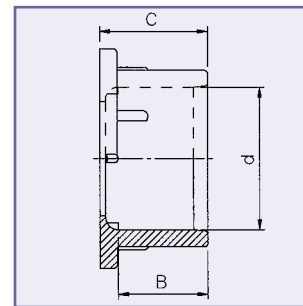


PVC-u metric

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)

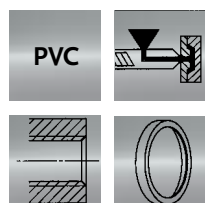
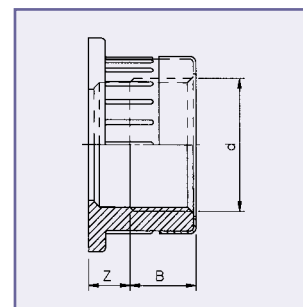
Inlegstuk inwendig lijm
 Bundbuchse Klebemuffe
 Collet à collar femelle
 Collare a attacchi incollaggio
 Portabrida encolar



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

PE connector for check valve (option)

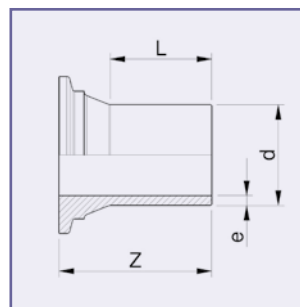
PE inlegdeel voor terugslagklep

PE Einlegeteil für Rückschlagventil

Pièce folle en PE pour soupape de retenue

Collare PE valvola diritegno

Portabrida PE válvula antiretorno



PVC



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
6.31.075	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)

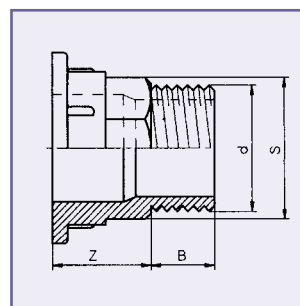
Inlegstuk uitwendig draad

Bundbuchse Aussengewinde

Collet fileté

Collare attacchi filetati maschio

Portabrida encolar rosca macho



PVC



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