

20. INSTALACJA PRZEWODOWA

20.1. KSZTAŁTKI Z PVC-U

20.2. KSZTAŁTKI Z PVC-U PN10

20.3. ARMATURA

20.4. RURY

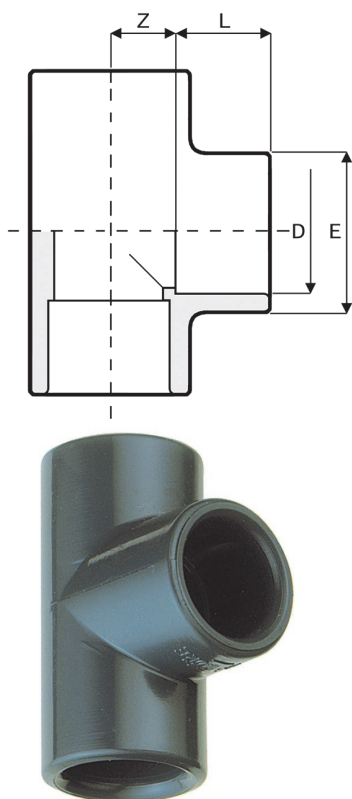
20.5. KLEJE I CZYŚCIWA

20.6. SYSTEMY RUROCIĄGOWE Z PE I PVC-C



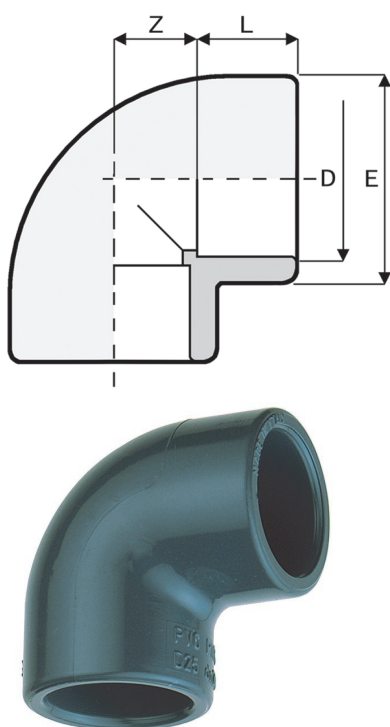
20.1. KSZTAŁTKI Z PVC-U

20.1.1. Trójnik 90°



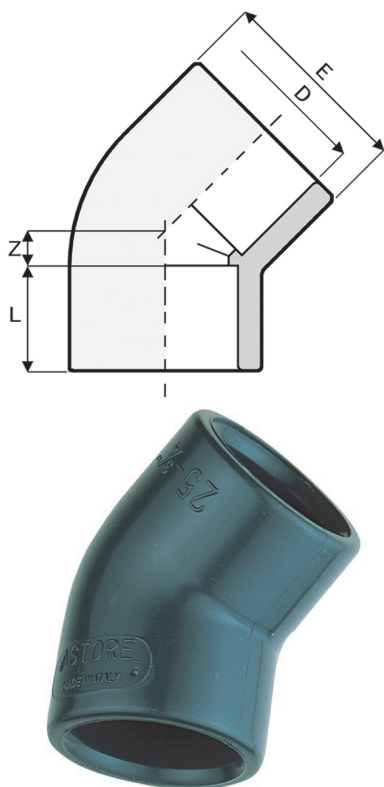
D	L	Z	E	Nr kat.
16	14	9	23	1R.TI1.160.00
20	16	11	28	1R.TI1.200.00
25	19	14	34	1R.TI1.250.00
32	22	17	42	1R.TI1.320.00
40	26	21	51	1R.TI1.400.00
50	31	26	61	1R.TI1.500.00
63	38	33	75	1R.TI1.630.00
75	44	39	89	1R.TI1.750.00
90	51	47	106	1R.TI1.900.00
110	61	61	131	1R.TI1.110.00
125	69	66	146	1R.TI1.130.00
140	76	72	163	1R.TI1.150.00
160	86	82	186	1R.TI1.170.00
180	96	94	215	1R.TI1.180.00
200	106	102	230	1R.TI1.210.00
225	119	115	258	1R.TI1.230.00
250	131	128	286	1R.TI1.260.00
280	146	144	319	1R.TI1.280.00
315	164	162	360	1R.TI1.330.00

20.1.2. Kolano 90°



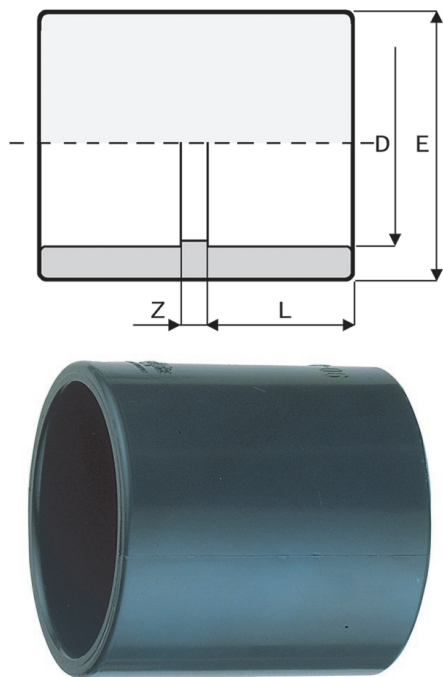
D	L	Z	E	Nr kat.
16	14	9	23	1R.GO1.160.00
20	16	11	28	1R.GO1.200.00
25	19	14	34	1R.GO1.250.00
32	22	17	39	1R.GO1.320.00
40	26	21	51	1R.GO1.400.00
50	31	26	59	1R.GO1.500.00
63	38	33	75	1R.GO1.630.00
75	44	39	89	1R.GO1.750.00
90	51	47	106	1R.GO1.900.00
110	61	57	129	1R.GO1.110.00
125	69	66	146	1R.GO1.130.00
140	76	72	163	1R.GO1.150.00
160	86	82	186	1R.GO1.170.00
180	96	94	215	1R.GO1.180.00
200	106	102	230	1R.GO1.210.00
225	119	115	258	1R.GO1.230.00
250	131	188	287	1R.GO1.260.00
280	147	210	325	1R.GO1.280.00
315	164	236	359	1R.GO1.330.00

20.1.3. Kolano 45°



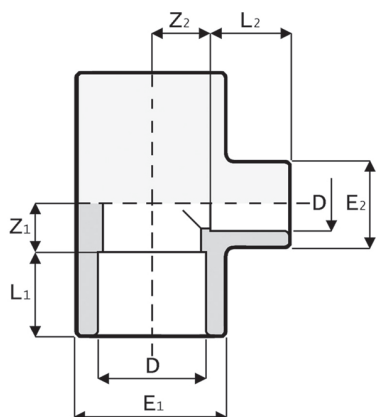
D	L	Z	E	Nr kat.
16	14	5	23	1R.GY1.160.00
20	16	5	28	1R.GY1.200.00
25	19	6	34	1R.GY1.250.00
32	22	8	42	1R.GY1.320.00
40	26	10	51	1R.GY1.400.00
50	31	12	61	1R.GY1.500.00
63	38	14	75	1R.GY1.630.00
75	44	17	89	1R.GY1.750.00
90	51	20	106	1R.GY1.900.00
110	61	24	129	1R.GY1.110.00
125	69	27	145	1R.GY1.130.00
140	76	31	163	1R.GY1.150.00
160	86	35	186	1R.GY1.170.00
200	108	48	230	1R.GY1.210.00
225	121	55	260	1R.GY1.230.00
250	131	58	286	1R.GY1.260.00
280	146	62	320	1R.GY1.280.00
315	164	66	359	1R.GY1.330.00

20.1.4. Mufa



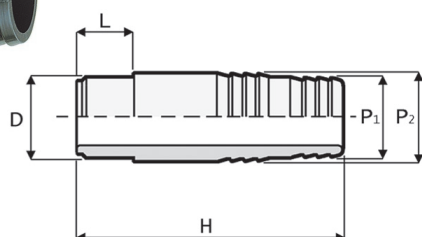
D	L	Z	E	Nr kat.
16	14	3	23	1R.MA1.160.00
20	16	3	28	1R.MA1.200.00
25	19	3	34	1R.MA1.250.00
32	22	3	42	1R.MA1.320.00
40	26	3	51	1R.MA1.400.00
50	31	3	58	1R.MA1.500.00
63	38	3	75	1R.MA1.630.00
75	44	4	89	1R.MA1.750.00
90	51	20	106	1R.MA1.900.00
110	61	5	129	1R.MA1.110.00
125	69	67	145	1R.MA1.130.00
140	76	8	162	1R.MA1.150.00
160	86	8	182	1R.MA1.170.00
200	106	12	231	1R.MA1.210.00
225	119	11	262	1R.MA1.230.00
250	131	10	286	1R.MA1.260.00
280	146	10	320	1R.MA1.280.00
315	164	12	355	1R.MA1.330.00

20.1.5. Trójnik redukcyjny



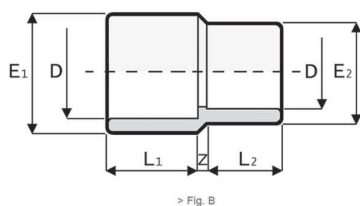
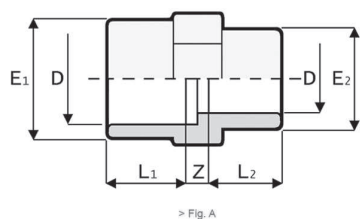
DxD	L1	L2	Z1	Z2	E1	E2	Nr kat.
20x16	16	14	11	11	28	23	1R.TR1.20A.00
25x16	19	14	14	14	34	23	1R.TR1.25A.00
25x20	19	16	14	14	34	28	1R.TR1.25B.00
32x16	22	14	17	17	42	23	1R.TR1.32A.00
32x20	22	16	17	17	42	28	1R.TR1.32B.00
32x25	22	19	17	17	42	34	1R.TR1.32C.00
40x16	26	14	21	21	51	23	1R.TR1.40A.00
40x20	26	16	21	21	51	28	1R.TR1.40B.00
40x25	26	19	21	21	51	34	1R.TR1.40C.00
40x32	26	22	21	21	51	42	1R.TR1.40D.00
50x20	31	16	26	26	61	28	1R.TR1.50B.00
50x25	31	19	26	26	61	34	1R.TR1.50C.00
50x32	31	22	26	26	61	42	1R.TR1.50D.00
50x40	31	26	26	26	61	51	1R.TR1.50E.00
63x20	38	16	33	33	75	28	1R.TR1.63B.00
63x25	38	19	33	33	75	34	1R.TR1.63C.00
63x32	38	22	33	33	75	42	1R.TR1.63D.00
63x40	38	26	33	33	75	51	1R.TR1.63E.00
63x50	38	31	33	33	75	61	1R.TR1.63F.00
75x32	44	22	39	39	89	42	1R.TR1.75D.00
75x40	44	26	39	39	89	51	1R.TR1.75E.00
75x50	44	31	39	39	89	61	1R.TR1.75F.00
75x63	44	38	39	39	89	75	1R.TR1.75G.00
90x40	51	26	47	47	106	51	1R.TR1.90E.00
90x50	51	31	47	47	106	61	1R.TR1.90F.00
90x63	51	38	47	47	106	75	1R.TR1.90G.00
90x75	51	44	47	47	106	89	1R.TR1.90H.00
110x50	61	31	57	57	129	61	1R.TR1.11F.00
110x63	61	38	57	57	129	75	1R.TR1.11G.00
110x75	61	44	57	57	129	89	1R.TR1.11H.00
110x90	61	51	57	57	129	106	1R.TR1.11I.00
160x110	86	61	82	57	187	131	1R.TR1.17L.00

20.1.6. Tuleja na wąż



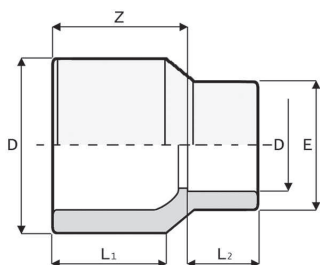
DxP2xP1	L	H	Nr kat.
16x18x16	14	60	1R.PO1.160.00
20x22x20	16	67	1R.PO1.200.00
25x27x25	19	81	1R.PO1.250.00
32x32x30	22	97	1R.PO1.320.00
40x42x40	26	104	1R.PO1.400.00
50x52x50	31	111	1R.PO1.500.00
63x64x60	38	123	1R.PO1.630.00

20.1.7. Redukcja długa (mufowa)



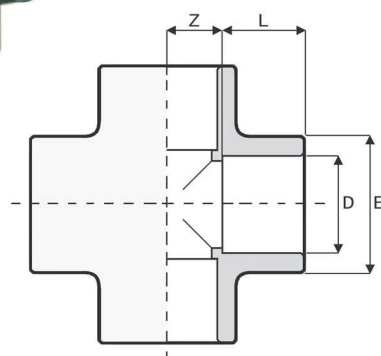
DxD	L1	L2	Z	E1	E2	Fig.	Nr kat.
20x16	16	14	6	28	23	B	1R.MR1.20A.00
25x20	19	16	6	34	28	B	1R.MR1.25B.00
32x25	22	19	6	42	34	B	1R.MR1.32C.00
40x32	26	22	6	51	42	B	1R.MR1.40DS.00
50x40	31	26	6	61	51	B	1R.MR1.50E.00
63x50	38	31	6	75	61	B	1R.MR1.63F.00
75x63	44	38	4	89	75	A	1R.MR1.75G.00
90x75	51	44	5	106	89	A	1R.MR1.90H.00
110x90	61	51	6	129	106	A	1R.MR1.11I.00
125x110	69	61	24	145	129	B	1R.MR1.13L.00
140x110	76	61	25	160	129	B	1R.MR1.15L.00

20.1.8. Redukcja długa (mufowo-nyplowa)



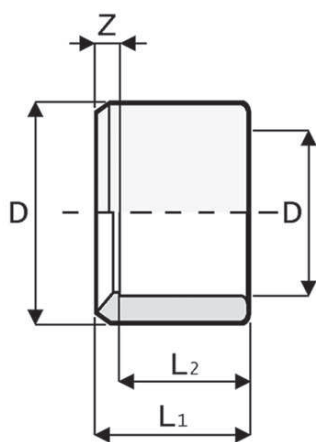
DxD	L1	L2	Z	E	Nr kat.
140x110	76	61	92	129	1R.RL1.15L.00
160x110	86	61	100	129	1R.RL1.17L.00

20.1.9. Czwórnik

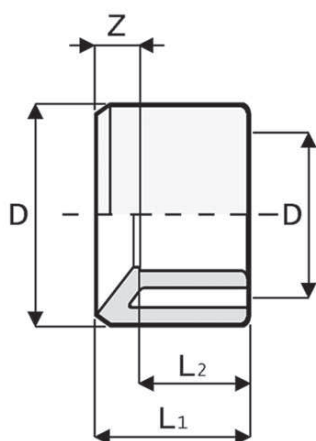


D	L	Z	E	Nr kat.
25	19	14	35	1R.CR1.250.00
32	22	18	43	1R.CR1.320.00
40	26	23	52	1R.CR1.400.00
50	31	27	64	1R.CR1.500.00
63	38	33.5	79	1R.CR1.630.00

20.1.10. Redukcja krótka



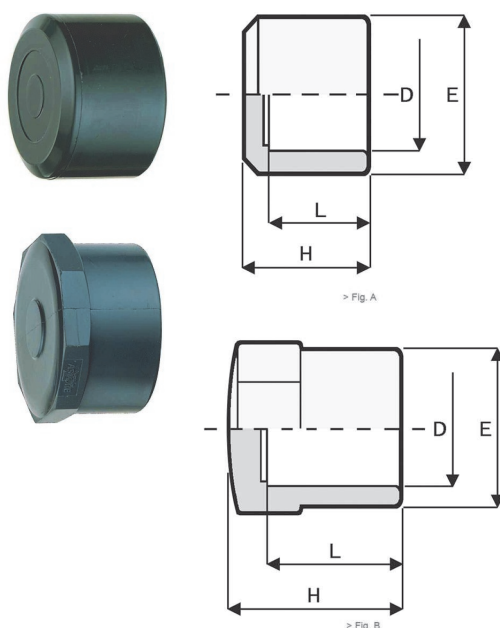
> Fig. A



> Fig. B

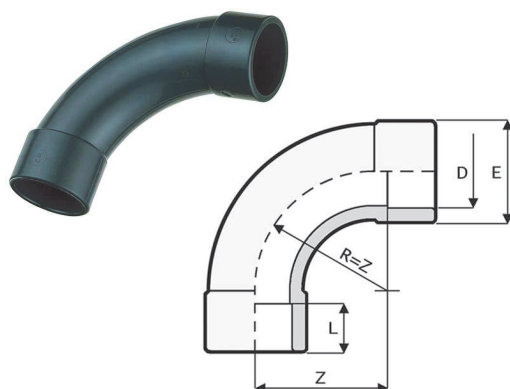
DxD	L1	L2	Z	Fig.	Nr kat.
20x16	16	14	2	A	1R.RC1.20A.00
25x16	19	14	5	B	1R.RC1.25A.00
25x20	19	16	3	A	1R.RC1.25B.00
32x16	22	14	8	B	1R.RC1.32A.00
32x20	22	16	6	B	1R.RC1.32B.00
32x25	22	19	3	A	1R.RC1.32C.00
40x20	26	16	10	B	1R.RC1.40B.00
40x25	26	19	7	B	1R.RC1.40C.00
40x32	26	22	4	A	1R.RC1.40D.00
50x20	31	16	15	B	1R.RC1.50B.00
50x25	31	19	12	B	1R.RC1.50C.00
50x32	31	22	9	B	1R.RC1.50D.00
50x40	31	26	5	A	1R.RC1.50E.00
63x32	38	22	16	B	1R.RC1.63D.00
63x40	38	26	12	B	1R.RC1.63E.00
63x50	38	31	7	A	1R.RC1.63F.00
75x40	44	26	18	B	1R.RC1.75E.00
75x50	44	31	13	B	1R.RC1.75F.00
75x63	44	38	6	A	1R.RC1.75G.00
90x50	51	31	20	B	1R.RC1.90F.00
90x63	51	38	13	B	1R.RC1.90G.00
90x75	51	44	7	A	1R.RC1.90H.00
110x63	61	38	23	B	1R.RC1.11G.00
110x75	61	44	17	B	1R.RC1.11H.00
110x90	61	51	9	A	1R.RC1.11I.00
125x75	69	44	25	B	1R.RC1.13H.00
125x90	69	51	18	B	1R.RC1.13I.00
125x110	69	61	8	A	1R.RC1.13L.00
140x90	76	51	25	B	1R.RC1.15I.00
140x110	76	61	15	B	1R.RC1.15L.00
140x125	76	69	7	B	1R.RC1.15M.00
160x90	86	51	35	B	1R.RC1.17I.00
160x110	86	61	25	A	1R.RC1.17L.00
160x125	86	69	17	B	1R.RC1.17M.00
160x140	86	76	10	B	1R.RC1.17N.00
200x160	106	86	20	B	1R.RC1.21O.00
225x160	119	86	33	B	1R.RC1.23O.00
225x200	119	106	13	A	1R.RC1.23P.00
250x160	132	86	45	B	1R.RC1.26O.00
250x200	132	106	25	A	1R.RC1.26P.00
250x225	132	119	12	A	1R.RC1.26Q.00
280x225	147	119	27	B	1R.RC1.28Q.00
315x200	165	106	58	B	1R.RC1.33P.00
315x225	165	119	45	B	1R.RC1.33Q.00
315x250	165	131	33	B	1R.RC1.33R.00
315x280	165	146	18	A	1R.RC1.33S.00

20.1.11. Korek



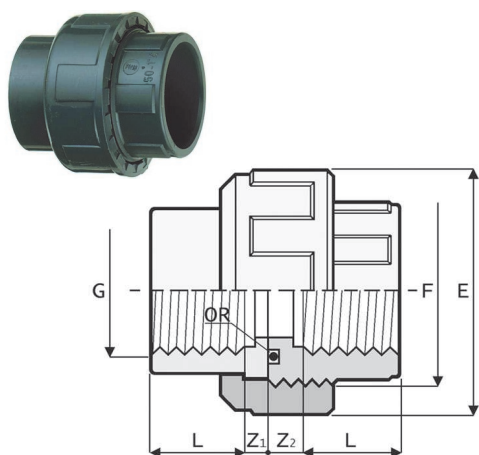
D	L	H	E	Fig.	Nr kat.
16	14	22	23	B	1R.CA1.160.00
20	16	24	28	A	1R.CA1.200.00
25	19	27	34	A	1R.CA1.250.00
32	22	30	42	A	1R.CA1.320.00
40	26	35	51	A	1R.CA1.400.00
50	31	40	61	A	1R.CA1.500.00
63	38	48	75	A	1R.CA1.630.00
75	44	59	89	B	1R.CA1.750.00
90	51	67	106	B	1R.CA1.900.00
110	61	77	129	B	1R.CA1.110.00
125	69	98	145	A	1R.CA1.130.00
140	76	108	162	A	1R.CA1.150.00
160	86	123	182	A	1R.CA1.170.00
225	119	163	260	A	1R.CA1.230.00

20.1.12. Łuk 90°



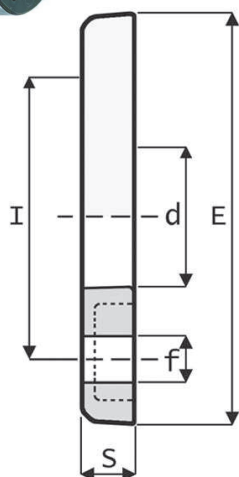
D	L	Z	E	Nr kat.
20	16	40	28	1R.CU1.200.00
25	19	50	36	1R.CU1.250.00
32	22	64	41	1R.CU1.320.00
40	26	80	51	1R.CU1.400.00
50	31	100	65	1R.CU1.500.00
63	38	126	77	1R.CU1.630.00
75	44	150	94	1R.CU1.750.00
90	51	180	113	1R.CU1.900.00
110	61	220	137	1R.CU1.110.00
160	86	207	189	1R.CU1.170.00

20.1.13. Dwuzłączka



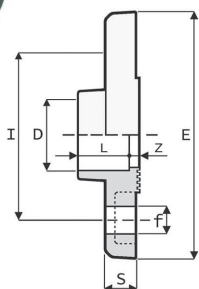
D	L	Z1	Z2	F	E	Nr kat.
16	11	3	10	3/4"	31	1R.BO1.160.00
20	16	3	10	1"	42	1R.BO1.200.00
25	19	3	10	1 1/4"	52	1R.BO1.250.00
32	22	3	10	1 1/2"	59	1R.BO1.320.00
40	26	3	12	2"	72	1R.BO1.400.00
50	31	3	14	2 1/4"	79	1R.BO1.500.00
63	38	3	18	2 3/4"	96	1R.BO1.630.00
75	44	3	18	3 1/2"	120	1R.BO1.750.00
90	51	5	18	4"	135	1R.BO1.900.00
110	61	5	18	5"	163	1R.BO1.110.00

20.1.14. Kołnierz luźny



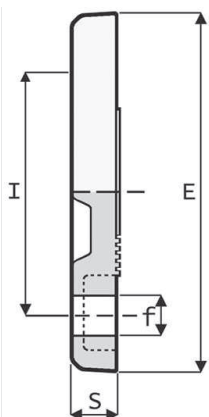
D	DN	d	E	S	I	f	il.	śruba	Nr kat.
20	15	28	95	11	65	14	4	M12x55	1R.FL1.200.00
25	20	34	105	12	75	14	4	M12x60	1R.FL1.250.00
32	25	42	115	14	85	14	4	M12x60	1R.FL1.320.00
40	32	51	140	15	100	18	4	M16x70	1R.FL1.400.00
50	40	62	150	16	110	18	4	M16x75	1R.FL1.500.00
63	50	78	165	18	125	18	4	M16x80	1R.FL1.630.00
75	65	92	185	19	145	18	4	M16x90	1R.FL1.750.00
90	80	110	203	20	160	18	8	M16x90	1R.FL1.900.00
110	100	132	222	22	180	18	8	M16x100	1R.FL1.110.00
125	110	149	230	24	190	18	8	M16x100	1R.FL1.130.00
140	125	167	250	26	210	18	8	M16x110	1R.FL1.150.00
160	150	190	285	28	240	22	8	M20x120	1R.FL1.170.00
200	200	235	341	30	295	22	8/12	M20x120	1R.FL1.210.00
225	200	244	341	30	295	22	8/12	M20x140	1R.FL1.230.00
250	250	281	395	33	350	22	12	M20x140	1R.FL1.260.00
280	250	309	396	35	350	22	12	M20x160	1R.FL1.280.00
315	300	349	465	40	400	22	12	M20x180	1R.FL1.330.00

20.1.15. Tuleja kołnierzowa stała



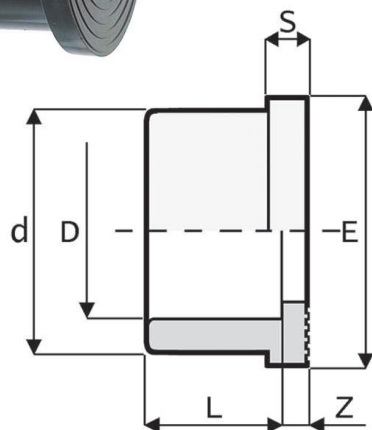
D	DN	L	Z	E	I	f	S	il.	śruba	Nr kat.
20	15	16	4	95	65	14	11	4	M12x55	1R.FF1.200.00
25	20	19	4	105	75	14	12	4	M12x60	1R.FF1.250.00
32	25	22	4	115	85	14	14	4	M12x60	1R.FF1.320.00
40	32	26	4	140	100	18	15	4	M16x70	1R.FF1.400.00
50	40	31	5	150	110	18	16	4	M16x75	1R.FF1.500.00
63	50	38	5	165	125	18	18	4	M16x80	1R.FF1.630.00
75	65	44	6	185	145	18	19	8	M16x90	1R.FF1.750.00
90	80	51	7	200	160	18	20	8	M16x90	1R.FF1.900.00
110	100	61	8	220	180	18	22	8	M16x100	1R.FF1.110.00

20.1.16. Kołnierz ślepy



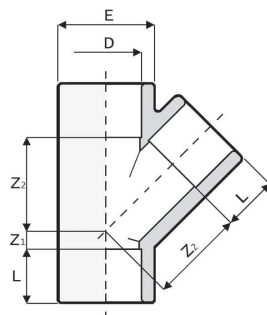
D	DN	E	S	I	f	il.	śruba	Nr kat.
20	15	95	11	64	14	4	M12x55	1R.FC1.200.00
25	20	105	12	76	14	4	M12x60	1R.FC1.250.00
32	25	115	14	86	14	4	M12x60	1R.FC1.320.00
40	32	141	15	100	18	4	M16x70	1R.FC1.400.00
50	40	150	16	111	18	4	M16x75	1R.FC1.500.00
63	50	165	18	126	18	4	M16x80	1R.FC1.630.00
75	65	185	19	145	18	4	M16x90	1R.FC1.750.00
90	80	200	20	160	18	8	M16x90	1R.FC1.900.00
110	100	220	22	180	18	8	M16x100	1R.FC1.110.00

20.1.17. Tuleja kołnierzowa



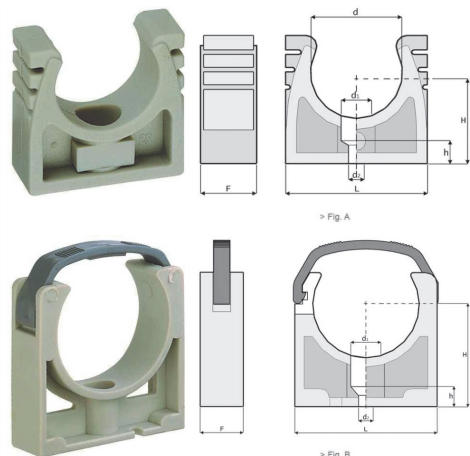
D	L	Z	d	S	E	Nr kat.
20	16	3	27	6	34	1R.QR1.200.00
25	19	3	33	7	41	1R.QR1.250.00
32	22	3	41	7	50	1R.QR1.320.00
40	26	3	50	8	61	1R.QR1.400.00
50	31	3	61	8	73	1R.QR1.500.00
63	38	3	76	9	90	1R.QR1.630.00
75	44	3	90	10	106	1R.QR1.750.00
90	51	5	108	11	125	1R.QR1.900.00
110	61	4	131	12	150	1R.QR1.110.00
125	69	5	147	13	168	1R.QR1.130.00
140	76	5	165	14	188	1R.QR1.150.00
160	86	5	188	16	212	1R.QR1.170.00
200	106	7	232	16	254	1R.QR1.210.00
225	119	7	248	16	274	1R.QR1.230.00
250	131	9	274	20	308	1R.QR1.260.00
280	147	14.5	307	32	327	1R.QR1.280.00
315	165	16	346	32	377	1R.QR1.330.00

20.1.18. Trójkąt 45°



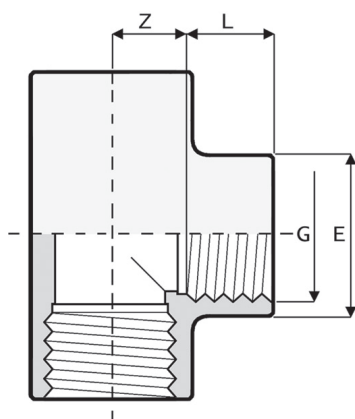
D	L	Z1	Z2	E	Nr kat.
20	16	7	30	27	1R.TY1.200.00
25	19	7	35	33	1R.TY1.250.00
32	22	9	44	41	1R.TY1.320.00
40	26	11	55	50	1R.TY1.400.00
50	31	12	68	63	1R.TY1.500.00
63	38	15	85	78	1R.TY1.630.00

20.1.19. Uchwyt PP



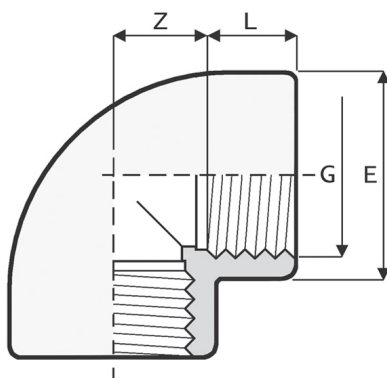
D	H	L	d2	d1	h	f	Fig.	Nr kat.
16	23	28	5.5	10.5	7.5	16	A	1R.ST1.160.00
20	25	33	5.5	10.5	7.5	16	A	1R.ST1.200.00
25	27.5	38	5.5	10.5	7.5	16	A	1R.ST1.250.00
32	31	48	5.5	10.5	7.5	16	A	1R.ST1.320.00
40	41.5	54	5.5	10.5	7.5	20	B	1R.ST1.400.00
50	46.5	64.5	7	14	9	23	B	1R.ST1.500.00
63	56	80	7	14	9	25	B	1R.ST1.630.00
75	63.6	94	9	17	10.5	27.5	B	1R.ST1.750.00
90	72	115	9	17	13.5	30	B	1R.ST1.900.00
110	84	139	9	17	14	30	B	1R.ST1.110.00

20.1.20. Trójknik GW 90°



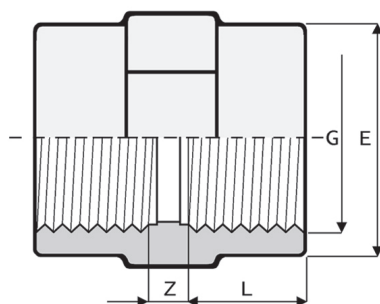
G	L	Z	E	Nr kat.
3/8"	11.4	11.6	23	1R.TI1.160.00
1/2"	15	13	28	1R.TI1.200.00
3/4"	16.3	16.7	35	1R.TI1.250.00
1"	19.1	19.9	43	1R.TI1.320.00
1 1/4"	21.4	25.6	51	1R.TI1.400.00
1 1/2"	21.4	35.6	61	1R.TI1.500.00
2"	25.7	45.3	75	1R.TI1.630.00
2 1/2"	30.2	52.8	89	1R.TI1.750.00
3"	33.3	64.7	106	1R.TI1.900.00
4"	39.3	78.7	129	1R.TI1.110.00

20.1.21. Kolano GW 90°



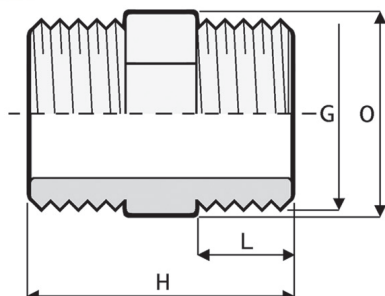
G	L	Z	E	Nr kat.
3/8"	11.4	11.6	23	1R.GO2.160.00
1/2"	15	13	28	1R.GO2.200.00
3/4"	16.3	16.7	35	1R.GO2.250.00
1"	19.1	19.9	43	1R.GO2.320.00
1 1/4"	21.4	25.6	51	1R.GO2.400.00
1 1/2"	21.4	35.6	61	1R.GO2.500.00
2"	25.7	45.3	76	1R.GO2.630.00
2 1/2"	30.2	52.8	89	1R.GO2.750.00
3"	33.3	64.7	106	1R.GO2.900.00
4"	39.3	78.7	129	1R.GO2.110.00

20.1.22. Mufa GW



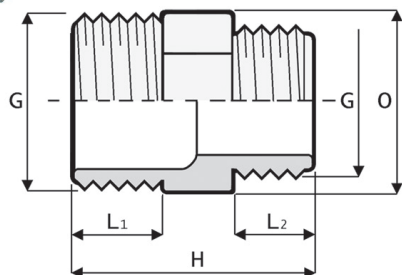
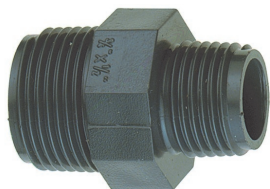
G	L	Z	E	Nr kat.
3/8"	11.4	8	23.5	1R.MA2.160.00
1/2"	15	7	28.5	1R.MA2.200.00
3/4"	16.3	8.5	35	1R.MA2.250.00
1"	19.1	9	43	1R.MA2.320.00
1 1/4"	21.4	11	50	1R.MA2.400.00
1 1/2"	21.4	17.5	61	1R.MA2.500.00
2"	25.7	19.5	76	1R.MA2.630.00
2 1/2"	30.2	9	89	1R.MA2.750.00
3"	33.3	10	103	1R.MA2.900.00
4"	39.3	11	130	1R.MA2.110.00

20.1.23. Nypel GW



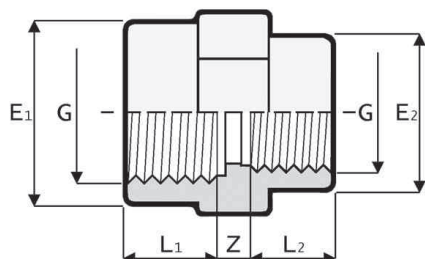
G	L	H	O	Nr kat.
3/8"	11.4	33	22	1R.NI2.160.00
1/2"	15	42	24	1R.NI2.200.00
3/4"	16.3	44	30	1R.NI2.250.00
1"	19.1	50	36	1R.NI2.320.00
1 1/4"	21.4	58	46	1R.NI2.400.00
1 1/2"	21.4	58	50	1R.NI2.500.00
2"	25.7	66	65	1R.NI2.630.00
2 1/2"	30.2	78	80	1R.NI2.750.00
3"	33.3	85	95	1R.NI2.900.00
4"	39.3	96	120	1R.NI2.110.00

20.1.24. Redukcja GZ



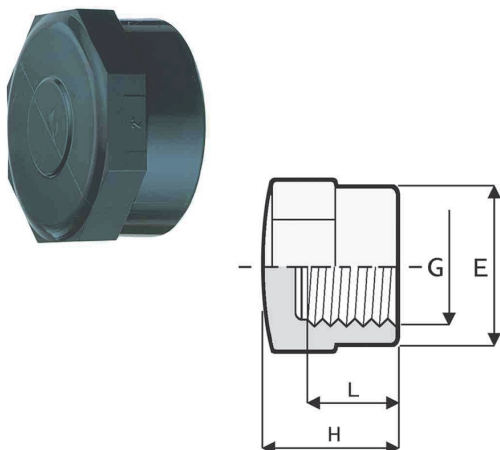
G	L1	L2	H	O	Nr kat.
1/2"x3/8"	15	11.4	38	24	1R.NR2.20A.00
3/4"x1/2"	16.3	15	43	30	1R.NR2.25B.00
1"x3/4"	19.1	16.3	47	36	1R.NR2.32C.00
1 1/4"x1"	21.4	19.1	56	46	1R.NR2.40D.00
1 1/2"x1 1/4"	21.4	21.4	58	50	1R.NR2.50E.00
2"x1 1/2"	25.7	21.4	62	65	1R.NR2.63F.00
2 1/2"x2"	30.2	25.7	72	80	1R.NR2.75G.00
3"x2 1/2"	33.3	30.2	82	95	1R.NR2.90H.00
4"x3"	39.3	33.3	90	120	1R.NR2.11I.00

20.1.25. Redukcja GW



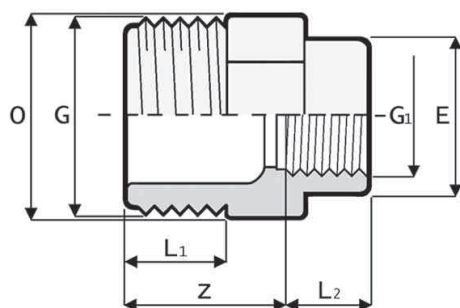
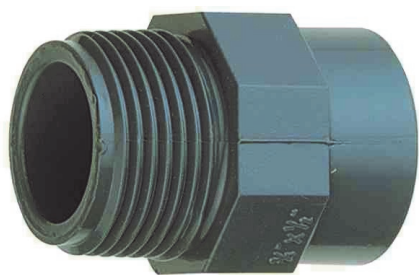
G	L1	L2	Z	E1	E2	Nr kat.
1/2"x3/8"	15	11.4	6	28	23	1R.MR2.20A.00
3/4"x1/2"	16.3	15	7	34	28	1R.MR2.25B.00
1"x3/4"	19.1	16.3	7	42	34	1R.MR2.32C.00
1 1/4"x1"	21.4	19.1	8	51	42	1R.MR2.40D.00
1 1/2"x1 1/4"	21.4	21.4	8	58	51	1R.MR2.50E.00
2"x1 1/2"	25.7	21.4	8	72	58	1R.MR2.63F.00
2 1/2"x2"	30.2	25.7	8	89	72	1R.MR2.75G.00
3"x2 1/2"	33.3	30.2	9	103	89	1R.MR2.90H.00
4"x3"	39.3	33.3	10	130	103	1R.MR2.11I.00

20.1.26. Korek GW



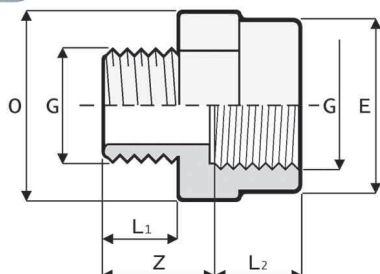
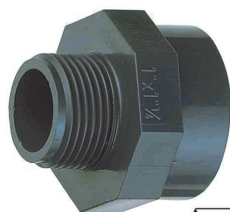
G	L	H	E	Nr kat.
3/8"	11.4	22	23	1R.CA2.160.00
1/2"	15	24	28	1R.CA2.200.00
3/4"	16.3	27	34	1R.CA2.250.00
1"	19.1	30	42	1R.CA2.320.00
1 1/4"	21.4	35	51	1R.CA2.400.00
1 1/2"	21.4	40	61	1R.CA2.500.00
2"	25.7	48	75	1R.CA2.630.00
2 1/2"	30.2	50	89	1R.CA2.750.00
3"	33.3	53	103	1R.CA2.900.00
4"	39.3	59	130	1R.CA2.110.00

20.1.27. Redukcja GZ x GW



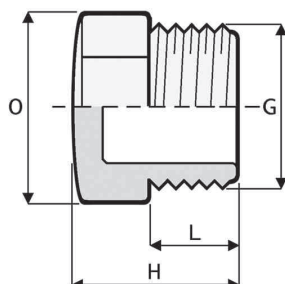
GxG1	L1	L2	Z	E	O	Nr kat.
1/2"x3/8"	15	11.4	24	23	24	1R.RI2.20A.00
3/4"x3/8"	16.3	11.4	25	23	30	1R.RI2.25A.00
3/4"x1/2"	16.3	15	26	28	30	1R.RI2.25B.00
1"x3/8"	19.1	11.4	28	23	36	1R.RI2.32A.00
1"x1/2"	19.1	15	29	28	36	1R.RI2.32B.00
1"x3/4"	19.1	16.3	30	34	36	1R.RI2.32C.00
1 1/4"x1/2"	21.4	15	33	28	46	1R.RI2.40B.00
1 1/4"x3/4"	21.4	16.3	33	34	46	1R.RI2.40C.00
1 1/4"x1"	21.4	19.1	33	42	46	1R.RI2.40D.00
1 1/2"x3/4"	21.4	16.3	34	34	50	1R.RI2.50C.00
1 1/2"x1"	21.4	19.1	34	42	50	1R.RI2.50D.00
1 1/2"x1 1/4"	21.4	21.4	34	51	55	1R.RI2.50E.00
2"x1"	25.7	19.1	37	42	65	1R.RI2.63D.00
2"x1 1/4"	25.7	21.4	37	51	65	1R.RI2.63E.00
2"x1 1/2"	25.7	21.4	37	58	65	1R.RI2.63F.00
2 1/2"x1 1/4"	30.2	21.4	43	51	80	1R.RI2.75E.00
2 1/2"x1 1/2"	30.2	21.4	43	58	80	1R.RI2.75F.00
2 1/2"x2"	30.2	25.7	43	72	80	1R.RI2.75G.00
3"x1 1/2"	33.3	21.4	47	58	95	1R.RI2.90F.00
3"x2"	33.3	25.7	47	72	95	1R.RI2.90G.00
3"x2 1/2"	33.3	30.2	47	89	95	1R.RI2.90H.00
4"x2"	39.3	25.7	53	72	120	1R.RI2.11G.00
4"x2 1/2"	39.3	30.2	53	89	120	1R.RI2.11H.00
4"x3"	39.3	33.3	53	103	120	1R.RI2.11I.00

20.1.28. Kształtka przejściowa GZ x GW



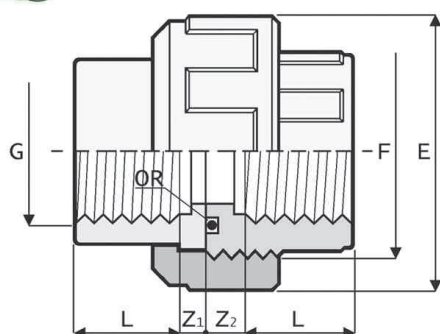
GxG	L1	L2	Z	O	E	Nr kat.
3/8"x1/2"	11.4	15.0	22	30	28	1R.MG2.16B.00
1/2"x3/4"	15.0	16.3	24	36	34	1R.MG2.20C.00
3/4"x1"	16.3	19.1	26	46	42	1R.MG2.25D.00
1"x1 1/4"	19.1	21.4	30	55	51	1R.MG2.32E.00
1 1/4"x1 1/2"	21.4	21.4	33	60	58	1R.MG2.40F.00
1 1/2"x2"	21.4	25.7	34	75	72	1R.MG2.50G.00
2"x2 1/2"	25.7	30.2	38	90	89	1R.MG2.63H.00
2 1/2"x3"	30.2	33.3	44	105	103	1R.MG2.75I.00
3"x4"	33.3	39.3	48	130	130	1R.MG2.90L.00

20.1.29. Korek GZ



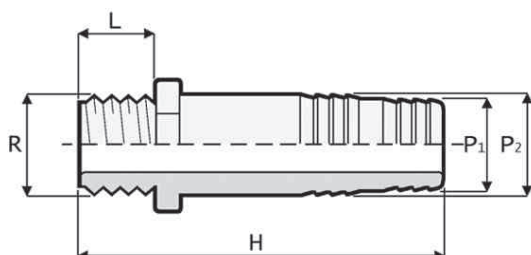
G	L	H	O	Nr kat.
3/8"	11.4	24	22	1R.TA2.160.00
1/2"	15.0	29	24	1R.TA2.200.00
3/4"	16.3	30	30	1R.TA2.250.00
1"	19.1	33	36	1R.TA2.320.00
1 1/4"	21.4	39	46	1R.TA2.400.00
1 1/2"	21.4	39	50	1R.TA2.500.00
2"	25.7	43	65	1R.TA2.630.00
2 1/2"	30.2	51	80	1R.TA2.750.00
3"	33.3	55	95	1R.TA2.900.00
4"	39.3	61	120	1R.TA2.110.00

20.1.30. Dwuzłączka GW



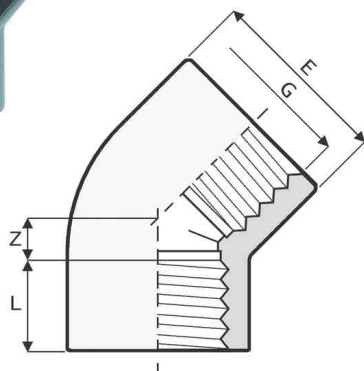
G	L	Z1	Z2	F	E	Nr kat.
3/8"	11.4	5.6	13.6	3/4"	34	1R.BO2.160.00
1/2"	15.0	4.0	11.0	1"	42	1R.BO2.200.00
3/4"	16.3	5.7	12.7	1 1/4"	52	1R.BO2.250.00
1"	19.1	5.9	12.9	1 1/2"	59	1R.BO2.320.00
1 1/4"	21.4	7.6	16.6	2"	72	1R.BO2.400.00
1 1/2"	21.4	12.6	23.6	2 1/4"	79	1R.BO2.500.00
2"	25.7	15.3	30.3	2 3/4"	96	1R.BO2.630.00
2 1/2"	30.2	17.8	32.8	3 1/2"	120	1R.BO2.750.00L
3"	33.3	25.7	36.7	4"	135	1R.BO2.900.00L
4"	39.3	27.7	40.7	5"	163	1R.BO2.110.00L

20.1.31. Tuleja na wąż GZ



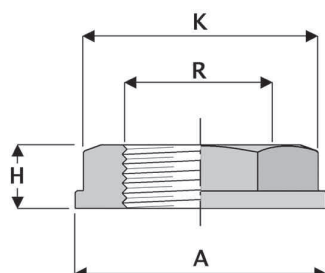
RxP1xP2	L	H	Nr kat.
3/8"x16x18	11.4	58	1R.PO2.160.00
1/2"x20x22	15.0	66	1R.PO2.200.00
3/4"x25x27	16.3	81	1R.PO2.250.00
1"x30x32	19.1	97	1R.PO2.320.00
1 1/4"x40x42	21.4	104	1R.PO2.400.00
1 1/2"x50x52	21.4	111	1R.PO2.500.00
2"x60x64	25.7	123	1R.PO2.630.00

20.1.32. Kolano 45° GW



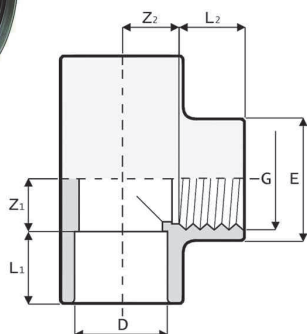
G	L	Z	E	Nr kat.
1/2"	15.0	12.0	28	1R.GY2.200.00
3/4"	16.3	16.7	34	1R.GY2.250.00
1"	19.1	19.9	42	1R.GY2.320.00
1 1/4"	21.4	25.6	51	1R.GY2.400.00
1 1/2"	21.4	35.6	61	1R.GY2.500.00
2"	25.7	45.3	75	1R.GY2.630.00
2 1/2"	30.2	52.8	89	1R.GY2.750.00
3"	33.3	64.7	106	1R.GY2.900.00
4"	39.3	78.7	129	1R.GY2.110.00

20.1.33. Nakrętka kontruująca GW



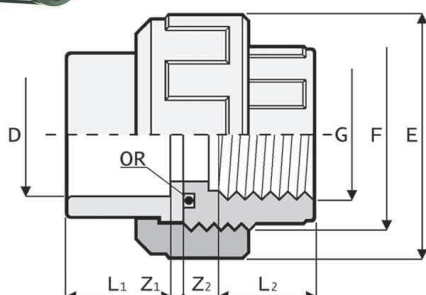
R	A	K	H	Nr kat.
1/2"	38	28	13.0	1R.NU2.200.00
3/4"	44	33	13.5	1R.NU2.250.00
1"	58	46	16.0	1R.NU2.320.00
1 1/4"	62	50	18.0	1R.NU2.400.00
1 1/2"	76	60	19.0	1R.NU2.500.00
2"	92	79	20.8	1R.NU2.630.00

20.1.34. Trójnik d x GW 90°



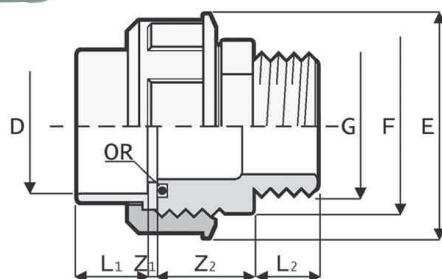
DxG	L1	L2	Z1	Z2	E	Nr kat.
16x3/8"	14	11.4	9	11.6	23	1R.TI3.16A.00
20x1/2"	16	15	12	13	28	1R.TI3.20B.00
25x3/4"	19	16.3	15	17	35	1R.TI3.25C.00
32x1"	22	19.1	18	21	43	1R.TI3.32D.00
40x1 1/4"	26	21.4	21	25.6	51	1R.TI3.40E.00
50x1 1/2"	31	21.4	26	35.6	61	1R.TI3.50F.00
63x2"	38	25.7	33	45.3	75	1R.TI3.63G.00
75x2 1/2"	44	30.2	39	52.8	89	1R.TI3.75H.00
90x3"	51	33.3	47	64.7	106	1R.TI3.90I.00
110x4"	61	39.3	57	78.7	129	1R.TI3.11L.00

20.1.35. Dwuzłączka d x GW



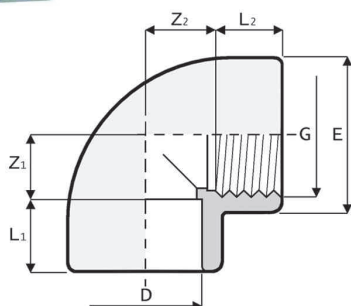
DxG	L1	L2	Z1	Z2	F	E	Nr kat.
16x3/8"	14	11.4	3	13.6	3/4"	34	1R.BO3.16A.00
20x1/2"	16	15.0	3	11.0	1"	42	1R.BO3.20B.00
25x3/4"	19	16.3	3	12.7	1 1/4"	52	1R.BO3.25C.00
32x1"	22	19.1	3	12.9	1 1/2"	59	1R.BO3.32D.00
40x1 1/4"	26	21.4	3	16.6	2"	72	1R.BO3.40E.00
50x1 1/2"	31	21.4	3	23.6	2 1/4"	79	1R.BO3.50F.00
63x2"	38	25.7	3	30.3	2 3/4"	96	1R.BO3.63G.00
75x2 1/2"	45	30.2	3	32.8	3 1/2"	120	1R.BO3.75H.00L
90x3"	53	33.3	5	36.7	4"	135	1R.BO3.90I.00L
110x4"	61	39.3	5	40.7	5"	163	1R.BO3.11L.00L

20.1.36. Dwuzłączka d x GZ



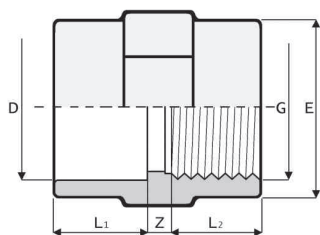
DxG	L1	L2	Z1	Z2	F	E	Nr kat.
50x1 1/2"	31	28	3	41	2 1/4"	79	1R.BM3.50F.00
50x2"	31	28	3	41	2 1/4"	79	1R.BM3.50G.00
63x2"	38	28	3	43	2 3/4"	96	1R.BM3.63G.00

20.1.37. Kolano d x GW 90°



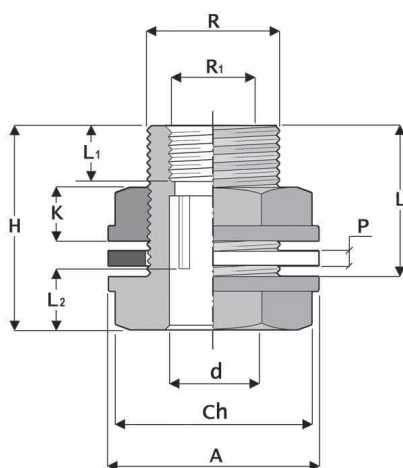
DxG	L1	L2	Z1	Z2	E	Nr kat.
16x3/8"	14	11.4	9	11.6	23	1R.GO3.16A.00
20x1/2"	16	15	11	12	28	1R.GO3.20B.00
25x3/4"	19	16.3	14	17	35	1R.GO3.25C.00
32x1"	22	19.1	18	20.5	43	1R.GO3.32D.00
40x1 1/4"	26	21.4	21	25.6	51	1R.GO3.40E.00
50x1 1/2"	31	21.4	26	35.6	61	1R.GO3.50F.00
63x2"	38	25.7	33	46	76	1R.GO3.63G.00
75x2 1/2"	44	30.2	39	52.8	89	1R.GO3.75H.00
90x3"	51	33.3	47	64.7	106	1R.GO3.90I.00
110x4"	61	39.3	57	78.7	129	1R.GO3.11L.00

20.1.38. Mufa d x GW



DxG	L1	L2	Z1	Z2	Nr kat.
16x3/8"	14	11.4	5.5	23.5	1R.MA3.16A.00
20x1/2"	16	15.0	4	28.5	1R.MA3.20B.00
25x3/4"	19	16.3	5	35	1R.MA3.25C.00
32x1"	22	19.1	6	43	1R.MA3.32D.00
40x1 1/4"	26	21.4	5	50	1R.MA3.40E.00
50x1 1/2"	31	21.4	8	61	1R.MA3.50F.00
63x2"	38	25.7	7.5	76	1R.MA3.63G.00
75x2 1/2"	44	30.2	8	89	1R.MA3.75H.00
90x3"	51	33.3	9	106	1R.MA3.90I.00
110x4"	61	39.3	10	129	1R.MA3.11L.00

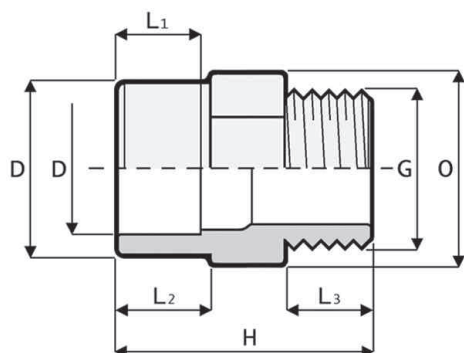
20.1.39. Złączka zbiornikowa GZ x GW x d



RxdxR1	A	Ch	L	L1	L2	H	P	K	Nr kat.
3/4"x16x1/2"	44	33	47	15.0	14	60.5	3	13.5	1R.AS3.16B.00
1"x20x3/4"	58	46	49	16.3	16	65	3	16.0	1R.AS3.20C.00
1 1/4"x25x1"	62	50	52	19.1	19	70	3	18.0	1R.AS3.25D.00
1 1/2"x32x1"	76	60	54	19.1	22	73	3	19.0	1R.AS3.32D.00
2"x40x1 1/2"	92	79	60	21.4	26	81	3	20.8	1R.AS3.40F.00

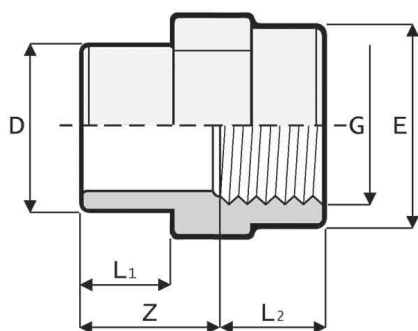


20.1.40. Kształtka przejściowa d x GZ



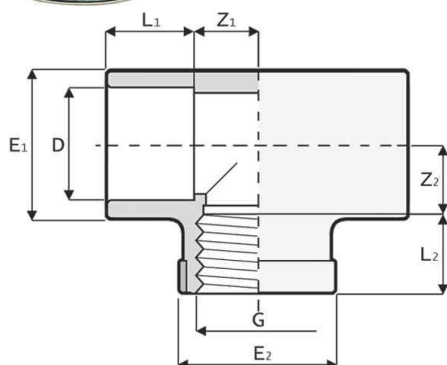
DxG	L1	L2	L3	H	O	Nr kat.
12x16x3/8"	12	14	11.4	34.5	20.4	1R.AM3.12A.00
16x20x3/8"	14	16	11.4	40	24	1R.AM3.16A.00
16x20x1/2"	14	16	15.0	43	24	1R.AM3.16B.00
20x25x3/8"	16	19	11.4	43	30	1R.AM3.20A.00
20x25x1/2"	16	19	15.0	46	30	1R.AM3.20B.00
20x25x3/4"	16	19	16.3	47	30	1R.AM3.20C.00
25x32x1/2"	19	22	15.0	49	36	1R.AM3.25B.00
25x32x3/4"	19	22	16.3	50	36	1R.AM3.25C.00
25x32x1"	19	22	19.1	53	36	1R.AM3.25D.00
32x40x3/4"	22	26	16.3	54	46	1R.AM3.32C.00
32x40x1"	22	26	19.1	57	46	1R.AM3.32D.00
32x40x1 1/4"	22	26	21.4	60	46	1R.AM3.32E.00
40x50x1"	26	31	19.1	64	55	1R.AM3.40D.00
40x50x1 1/4"	26	31	21.4	67	55	1R.AM3.40E.00
40x50 1 1/2"	26	31	21.4	67	55	1R.AM3.40F.00
50x63x1 1/4"	31	38	21.4	74	65	1R.AM3.50E.00
50x63x1 1/2"	31	38	21.4	74	65	1R.AM3.50F.00
50x63x2"	31	38	25.7	78	65	1R.AM3.50G.00
63x75x1 1/2"	38	44	21.4	80	80	1R.AM3.63F.00
63x75x2"	38	44	25.7	84	80	1R.AM3.63G.00
63x75x2 1/2"	38	44	30.2	91	80	1R.AM3.63H.00
75x90x2"	44	51	25.7	94	95	1R.AM3.75G.00
75x90x2 1/2"	44	51	30.2	99	95	1R.AM3.75H.00
75x90x3"	44	51	33.3	102	95	1R.AM3.75I.00
90x110x2"	51	61	25.7	110	115	1R.AM3.90G.00
90x110x2 1/2"	51	61	30.2	110	115	1R.AM3.90H.00
90x110x3"	51	61	33.3	113	115	1R.AM3.90I.00
90x110x4"	51	61	39.3	118	115	1R.AM3.90L.00
110x125x3"	61	66	33.3	115	130	1R.AM3.11I.00
110x125x4"	61	66	39.3	120	130	1R.AM3.11L.00

20.1.41. Kształtka przejściowa d x GW



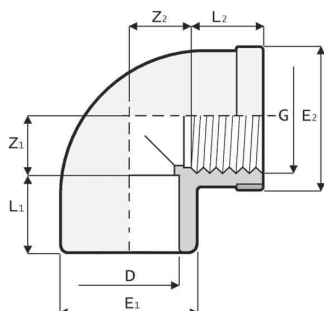
DxG	L1	L2	E	Z	Nr kat.
16x3/8"	14	11.4	23	22	1R.AF3.16A.00
20x1/2"	14	15.0	28	22	1R.AF3.20B.00
20x3/4"	16	15.0	28	26	1R.AF3.20C.00
25x1/2"	16	16.3	34	26	1R.AF3.25B.00
25x3/4"	16	19.0	28	29	1R.AF3.25C.00
25x1"	19	16.3	34	29	1R.AF3.25D.00
32x3/4"	19	19.1	42	29	1R.AF3.32C.00
32x1"	19	22.0	34	32	1R.AF3.32D.00
40x1"	22	19.1	42	33	1R.AF3.40D.00
40x1 1/4"	22	19.1	42	37	1R.AF3.40E.00
50x1 1/4"	26	21.4	51	37	1R.AF3.50E.00
50x1 1/2"	31	21.4	51	42	1R.AF3.50F.00
50x2"	31	21.4	58	42	1R.AF3.50G.00
63x1 1/2"	31	25.7	72	42	1R.AF3.63F.00
63x2"	38	25.7	72	50	1R.AF3.63G.00
75x2"	38	44.0	75	61	1R.AF3.75G.00
75x2 1/2"	44	30.2	89	59	1R.AF3.75H.00
75x3"	44	33.3	103	59	1R.AF3.75I.00
90x2 1/2"	44	51.0	89	68	1R.AF3.90H.00
90x3"	51	33.3	103	67	1R.AF3.90I.00
90x4"	51	39.3	130	67	1R.AF3.90L.00
110x3"	51	61.0	106	82	1R.AF3.11I.00
110x4"	61	39.3	130	77	1R.AF3.11L.00

20.1.42. Trójnik d x GW 90° (pierścień wzmacniający)



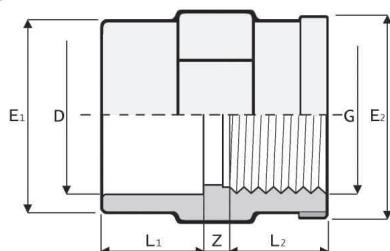
DxG	L1	L2	Z1	Z2	E1	E2	Nr kat.
16x3/8"	14	11.4	9	11.6	23	25	1R.TM3.16A.00
20x1/2"	16	15	11	12.0	28	30	1R.TM3.20B.00
25x3/4"	19	16.3	14	16.7	34	35	1R.TM3.25C.00
32x1"	22	19.1	17	19.9	42	45	1R.TM3.32D.00
40x1 1/4"	26	21.4	21	25.6	51	55	1R.TM3.40E.00
50x1 1/2"	31	21.4	26	35.6	61	65	1R.TM3.50F.00
63x2"	38	25.7	33	45.3	75	78	1R.TM3.63G.00

20.1.43. Kolano d x GW 90° (pierścień wzmacniający)



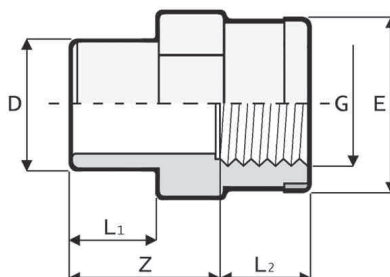
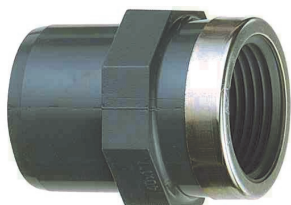
DxG	L1	L2	Z1	Z2	E1	E2	Nr kat.
16x3/8"	14	11.4	9	11.6	23	25	1R.GM3.16A.00
20x1/2"	16	15.0	11	12.0	28	30	1R.GM3.20B.00
25x3/4"	19	16.3	14	16.7	34	35	1R.GM3.25C.00
32x1"	22	19.1	17	19.9	42	45	1R.GM3.32D.00
40x1 1/4"	26	21.4	21	25.6	51	55	1R.GM3.40E.00
50x1 1/2"	31	21.4	26	35.6	61	65	1R.GM3.50F.00
63x2"	38	25.7	33	45.3	75	78	1R.GM3.63G.00

20.1.44. Mufa d x GW (pierścień wzmacniający)



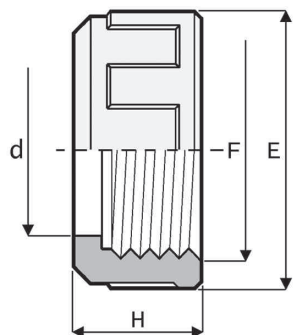
DxG	L1	L2	E1	E2	Z	Nr kat.
16x3/8"	14	11.4	23.5	24.5	5.5	1R.MM3.16A.00
20x1/2"	16	15.0	28.5	29.5	4	1R.MM3.20B.00
25x3/4"	19	16.3	35	36	5	1R.MM3.25C.00
32x1"	22	19.1	43	44	6	1R.MM3.32D.00
40x1 1/4"	26	21.4	50	51	5	1R.MM3.40E.00
50x1 1/2"	31	21.4	61	62	8	1R.MM3.50F.00
63x2"	38	25.7	76	77	7.5	1R.MM3.63G.00

20.1.45. Kształtka przejściowa d x GW (pierścień wzmacniający)



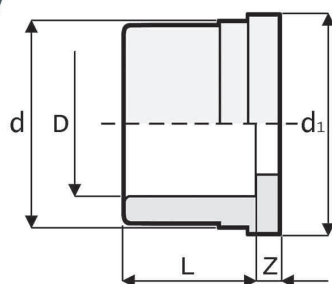
DxG	L1	L2	E	Z	Nr kat.
20x1/2"	16	15	30	26	1R.RM3.20B.00
25x1/2"	16	19	30	29	1R.RM3.25B.00
25x3/4"	19	16.3	35	29	1R.RM3.25C.00
32x3/4"	19	22	35	32	1R.RM3.32C.00
32x1"	22	19.1	45	33	1R.RM3.32D.00
40x1"	22	20.6	45	37	1R.RM3.40D.00
40x1 1/4"	26	21.4	55	37	1R.RM3.40E.00
50x1 1/2"	31	21.4	65	42	1R.RM3.50F.00
50x2"	31	25.7	78	42	1R.RM3.50G.00
63x2"	38	25.7	78	50	1R.RM3.63G.00

20.1.46. Nakrętka do B01, B02 i B03



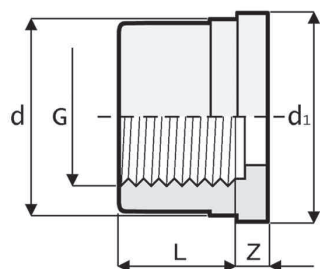
D	d	H	F	E	Nr kat.
16	22.0	23	3/4"	34	1R.BG1.160.00
20	27.6	23	1"	42	1R.BG1.200.00
25	36.1	25	1 1/4"	52	1R.BG1.250.00
32	41.6	27	1 1/2"	59	1R.BG1.320.00
40	53.1	30	2"	72	1R.BG1.400.00
50	59.1	34	2 1/4"	79	1R.BG1.500.00
63	74.1	38	2 3/4"	96	1R.BG1.630.00
75	92.7	45	3 1/2"	120	1R.BG1.750.00L
90	105.5	52	4"	135	1R.BG1.900.00L
110	129.5	59	5"	163	1R.BG1.110.00L

20.1.47. Luźny koniec do B01 i B03



D	L	Z	d	d1	Nr kat.
16	14	3	22.0	24.0	1R.BL1.160.00
20	16	3	27.5	30.1	1R.BL1.200.00
25	19	3	36.0	38.8	1R.BL1.250.00
32	22	3	41.5	44.7	1R.BL1.320.00
40	26	3	53.0	56.5	1R.BL1.400.00
50	31	3	59.0	62.6	1R.BL1.500.00
63	38	3	74.0	78.4	1R.BL1.630.00
75	44	3	92.5	97.0	1R.BL1.750.00
90	51	5	104.8	110.0	1R.BL1.900.00
110	61	5	128.8	135.5	1R.BL1.110.00

20.1.48. Luźny koniec do B02



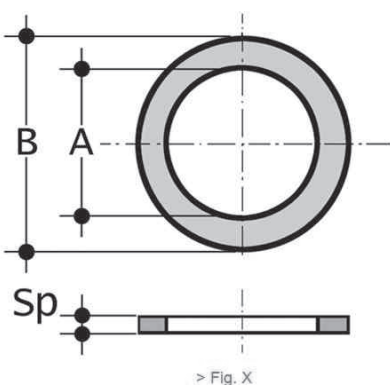
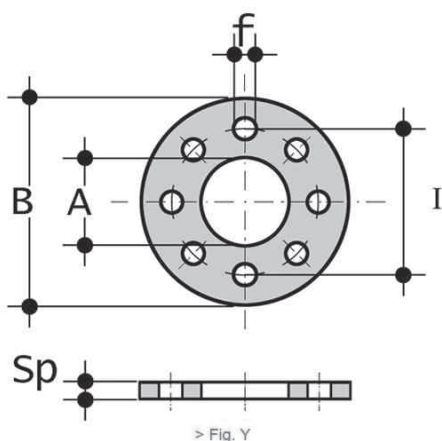
G	L	Z	d	d1	Nr kat.
3/8"	11.4	5.6	22.0	24.0	1R.BL2.160.00
1/2"	15.0	4.0	27.5	30.1	1R.BL2.200.00
3/4"	16.3	5.7	36.0	38.8	1R.BL2.250.00
1"	19.1	5.9	41.5	44.7	1R.BL2.320.00
1 1/4"	21.4	7.6	53.0	56.5	1R.BL2.400.00
1 1/2"	21.4	12.6	59.0	62.6	1R.BL2.500.00
2"	25.7	15.3	74.0	78.4	1R.BL2.630.00
2 1/2"	30.2	17.8	90.5	97.0	1R.BL2.750.00
3"	33.3	25.7	104.8	110.0	1R.BL2.900.00
4"	39.3	27.7	128.8	135.5	1R.BL2.110.00

20.1.49. O-RING do B01, B02 i B03



D	I	E	S	Nr kat.
16	23.4	28.7	2.6	1R.GBO.160.00
20	20.2	27.2	3.5	1R.GBO.200.00
25	28.2	35.2	3.5	1R.GBO.250.00
32	32.9	39.9	3.5	1R.GBO.320.00
40	40.6	51.2	5.3	1R.GBO.400.00
50	47.0	57.6	5.3	1R.GBO.500.00
63	60.4	71.0	5.3	1R.GBO.630.00
75	75.6	86.2	5.3	1R.GBO.750.00L
90	91.4	102.0	5.3	1R.GBO.900.00L
110	113.7	124.3	5.3	1R.GBO.110.00L

20.1.50. Uszczelka płaska do QR1



D	A	B	I	Sp	f	Fig.	Nr kat.
20	20	32	-	2	-	X	1R.GQP.200.00
25	25	39	-	2	-	X	1R.GQP.250.00
32	32	48	-	2	-	X	1R.GQP.320.00
40	40	59	-	2	-	X	1R.GQP.400.00
50	50	71	-	2	-	X	1R.GQP.500.00
63	63	88	-	2	-	X	1R.GQP.630.00
75	75	104	-	2	-	X	1R.GQP.750.00
90	90	123	-	2	-	X	1R.GQP.900.00
110	110	148	-	3	-	X	1R.GQP.110.00
125	125	167	-	3	-	X	1R.GQP.130.00
140	140	186	-	3	-	X	1R.GQP.150.00
160	160	211	-	3	-	X	1R.GQP.170.00
200	197	267	-	3	-	X	1R.GQP.210.00
225	220	270	-	3	-	X	1R.GQP.230.00
250	250	305	-	4	-	X	1R.GQP.260.00
280	265	395	350	4	12Ø22	Y	1R.GQP.280.00
315	290	462	400	4	12Ø22	Y	1R.GQP.330.00

20.2. KSZTAŁTKI Z PVC-U PN10

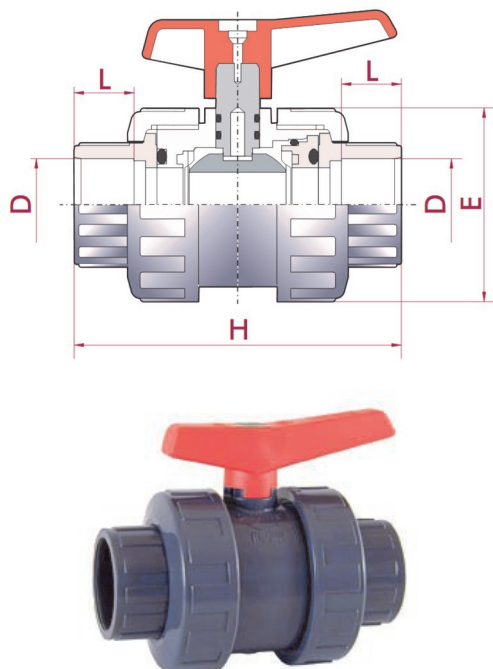
	Typ elementu	Nr kat.
	Kolano 90° PVC-U PN10 d50	133105
	Kolano 90° PVC-U PN10 d63	133106
	Kolano 90° PVC-U PN10 d75	133107
	Kolano 90° PVC-U PN10 d90	133108
	Kolano 90° PVC-U PN10 d110	133109
	Kolano 90° PVC-U PN10 d125	133110
	Kolano 90° PVC-U PN10 d140	133111
	Kolano 90° PVC-U PN10 d160	133112
	Kolano 90° PVC-U PN10 d225	133113
	Kolano 45° PVC-U PN10 d50	133205
	Kolano 45° PVC-U PN10 d63	133206
	Kolano 45° PVC-U PN10 d75	133207
	Kolano 45° PVC-U PN10 d90	133208
	Kolano 45° PVC-U PN10 d110	133209
	Kolano 45° PVC-U PN10 d125	133210
	Kolano 45° PVC-U PN10 d140	133211
	Kolano 45° PVC-U PN10 d160	133212
	Kolano 45° PVC-U PN10 d225	133213
	Trójnik 90° PVC-U PN10 d50	133305
	Trójnik 90° PVC-U PN10 d63	133306
	Trójnik 90° PVC-U PN10 d75	133307
	Trójnik 90° PVC-U PN10 d90	133308
	Trójnik 90° PVC-U PN10 d110	133309
	Trójnik 90° PVC-U PN10 d125	133310
	Trójnik 90° PVC-U PN10 d140	133311
	Trójnik 90° PVC-U PN10 d160	133312
	Trójnik 90° PVC-U PN10 d225	133313
	Mufa PVC-U PN10 d50	133305
	Mufa PVC-U PN10 d63	133306
	Mufa PVC-U PN10 d75	133307
	Mufa PVC-U PN10 d90	133308
	Mufa PVC-U PN10 d110	133309
	Mufa PVC-U PN10 d125	133310
	Mufa PVC-U PN10 d140	133311
	Mufa PVC-U PN10 d160	133312
	Mufa PVC-U PN10 d225	133313

20.2. KSZTAŁTKI Z PVC-U PN10

	Typ elementu	Nr kat.
	Tuleja kołnierzowa PVC-U PN10 d50	133905
	Tuleja kołnierzowa PVC-U PN10 d63	133906
	Tuleja kołnierzowa PVC-U PN10 d75	133907
	Tuleja kołnierzowa PVC-U PN10 d90	133908
	Tuleja kołnierzowa PVC-U PN10 d110	133909
	Tuleja kołnierzowa PVC-U PN10 d125	133910
	Tuleja kołnierzowa PVC-U PN10 d140	133911
	Tuleja kołnierzowa PVC-U PN10 d160	133912
	Tuleja kołnierzowa PVC-U PN10 d225	133913
	Kołnierz PVC-U PN10 d50	1331005
	Kołnierz PVC-U PN10 d63	1331006
	Kołnierz PVC-U PN10 d75	1331007
	Kołnierz PVC-U PN10 d90	1331008
	Kołnierz PVC-U PN10 d110	1331009
	Kołnierz PVC-U PN10 d125	1331010
	Kołnierz PVC-U PN10 d140	1331011
	Kołnierz PVC-U PN10 d160	1331012
	Kołnierz PVC-U PN10 d225	1331013

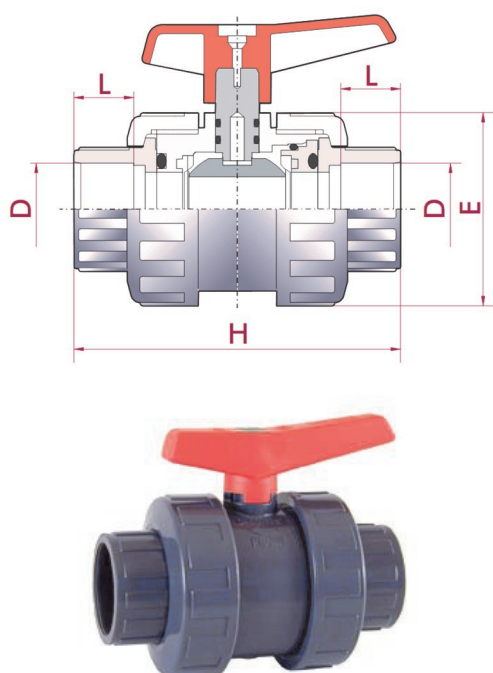
20.3. ARMATURA

20.3.1. Zawór kulowy UP.60.SF5 - HDPE/EPDM



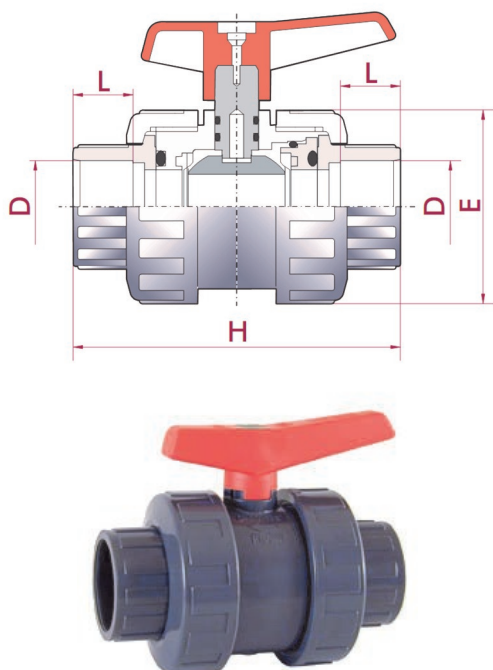
D	PN	L	H	E	Nr kat.
16	16	14	84	52	05352
20	16	16	84	52	02453
25	16	19	108	62	02454
32	16	22	124	70	02455
40	16	26	142	84	02456
50	16	31	167	104	02457
63	16	38	198	120	02458
75	10	44	232	148	02459
90	10	51	269	179	02460
110	10	61	275	179	02461
110	10	63	359	228	22797
125	10	70	359	228	23084

20.3.2. Zawór kulowy UP.61.SF6 - TEFLON®/EPDM



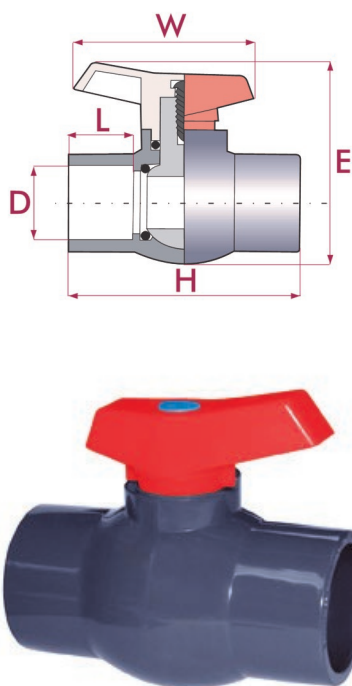
D	PN	L	H	E	Nr kat.
16	16	14	84	52	05355
20	16	16	84	52	02470
25	16	19	108	62	02471
32	16	22	124	70	02472
40	16	26	142	84	02473
50	16	31	167	104	02474
63	16	38	198	120	02475
75	10	44	232	148	02476
90	10	51	269	179	02477
110	10	61	275	179	05356
110	10	63	359	228	22065

20.3.3. Zawór kulowy UP.61.SF7 - TEFLON®/VITON®



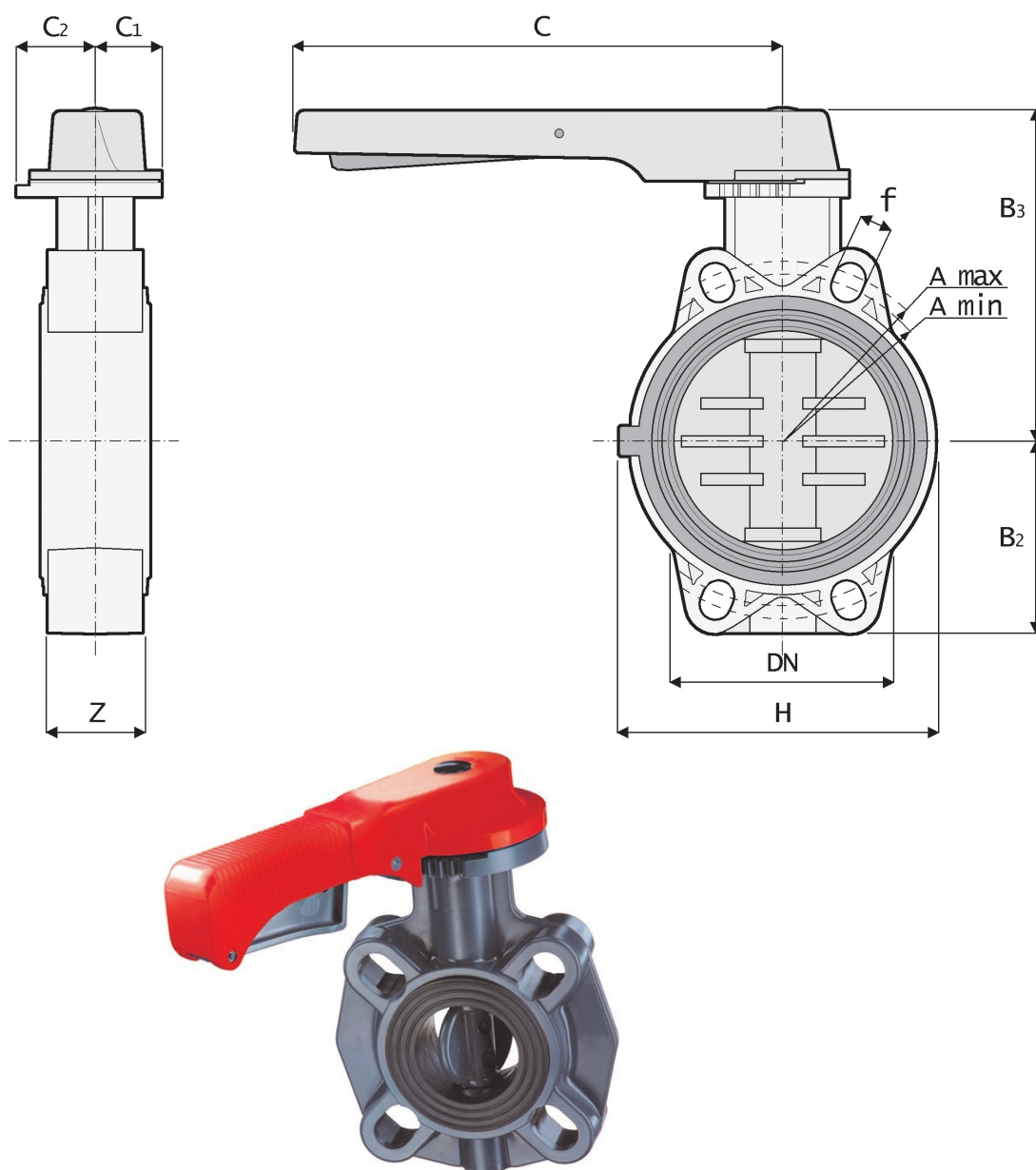
D	PN	L	H	E	Nr kat.
16	16	14	84	52	05359
20	16	16	84	52	02486
25	16	19	108	62	02487
32	16	22	124	70	02488
40	16	26	142	84	02489
50	16	31	167	104	02490
63	16	38	198	120	02491
75	10	44	232	148	02492
90	10	51	269	179	02493
110	10	61	275	179	02494
110	10	63	359	228	02495

20.3.4. Zawór kulowy UP.78.SF5 - EPDM



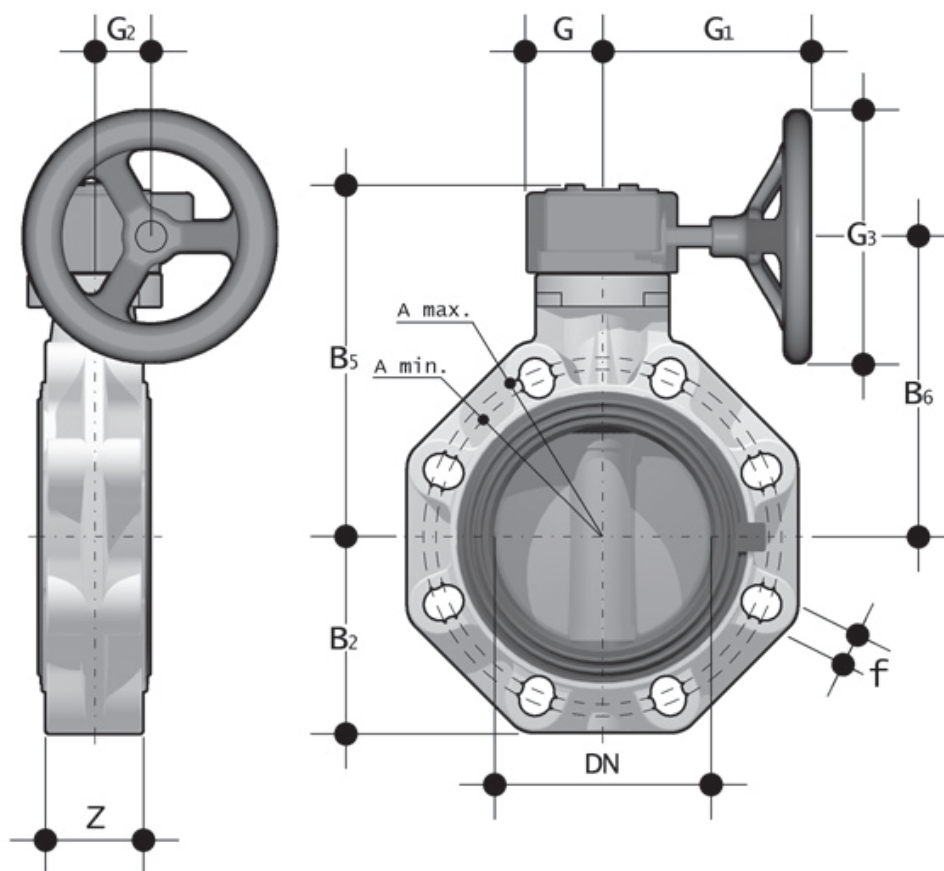
D	PN	L	H	E	W	Nr kat.
16	10	18	68	42	51	28953
20	10	22	77	52	58	28954
25	10	25	90	57	70	28955
32	10	30	107	73	82	28956
40	10	32	121	77	90	28957
50	10	34	130	80	101	28958
63	10	38	147	88	130	28959

20.3.5. Zawór klapowy 1V800 - EPDM



D	B2	B3	C	C1	C2	H	Z	Amin	Amax	F	otw.	Nr kat.
50	60	136	175	45	42	132	33	93	109	19	4	1V.800.500.00W
63	70	143	175	45	42	147	43	108	124	19	4	1V.800.630.W
75	80	168	175	45	45	165	46	128	144	19	4	1V.800.750.00W
90	90	182	250	45	45	130	49	145	159	19	4	1V.800.900.00W
110	105	196	250	45	45	150	56	165	190	19	4	1V.800.110.00W
140	121	215	335	45	45	185	64	204	215	23	4	1V.800.150.00W
160	132	229	335	45	45	210	70	230	242	23	4	1V.800.170.00W
225	161	309	425	65	82	325	71	280	298	23	8	1V.800.230.00

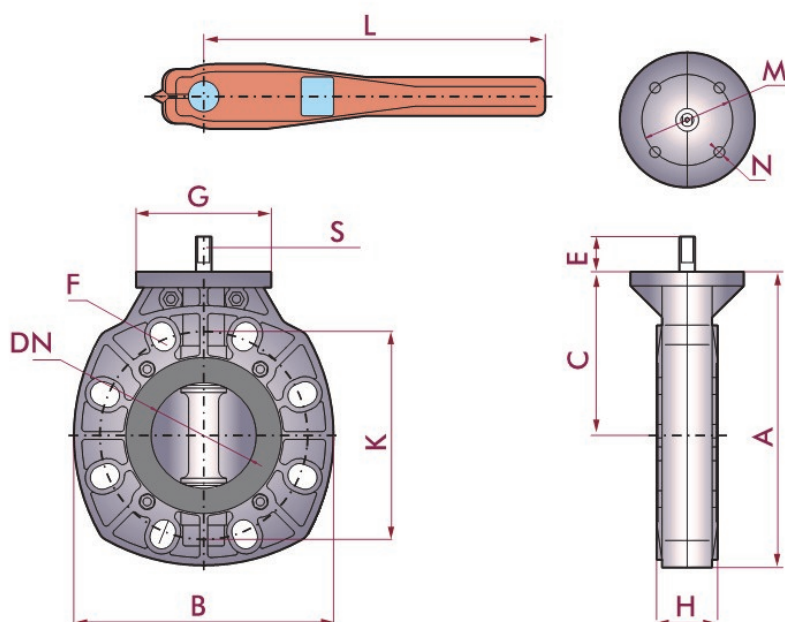
20.3.5. Zawór klapowy 1V800 - EPDM



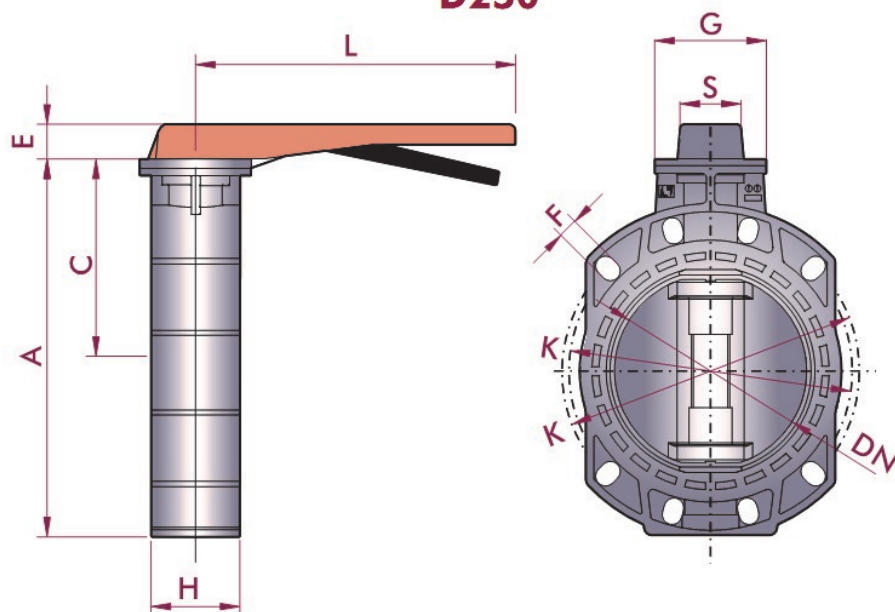
D	B2	B5	B6	G	G1	G2	G3	Z	Amin	Amax	F	otw.	Nr kat.
280	210	317	281	88	236	76	250	114	335	362	25	12	1V.800.280.00
315	245	374	338	88	236	76	250	114	390	432	29	12	1V.800.330.00

20.3.6. Zawór klapowy UP.80.Z3 i UP.80.I4 - wymiary

D63 - D225



D250



D	A	B	C	E	F	G	H	K	L	M	N	S	otw.
63-75	192	165	110	27	18	104	48	125/145	228	70	9	10	4
90	227	200	126	27	18	104	53	160/169	263	70	9	12	8
110	271	229	156	30	18	104	60	180/190	263	70	9	16	8
125-140	297	250	172	30	18	104	66	190/210	350	70	9	20	8
160	327	285	185	30	22	104	72	240	350	70	9	20	8
200-225	400	340	230	30	22	136	73	270/295	390	102	11	26	8
250	450	319	250	37	24	136	108	345/362	390	102	11	22	12

20.3.6.1. Zawór klapowy UP.80.Z3 - EPDM/Zinc



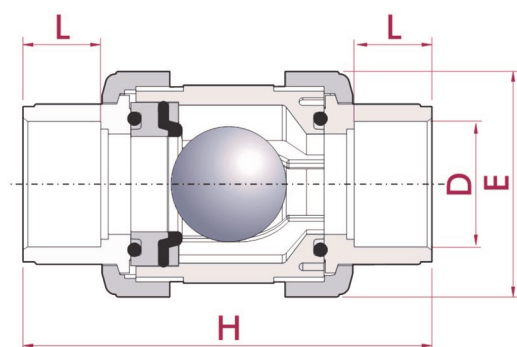
D	PN	Nr kat.
63-75	10	02581
90	10	02582
110	10	02583
125-140	10	02585
160	6	02586
200-225	6	02587
250	6	15846

20.3.6.2. Zawór klapowy UP.80.I4 - VITON®/Stainless Steel



D	PN	Nr kat.
63-75	10	16713
90	10	16714
110	10	16715
125-140	10	16716
160	6	16717
200-225	6	16718
250	6	22426

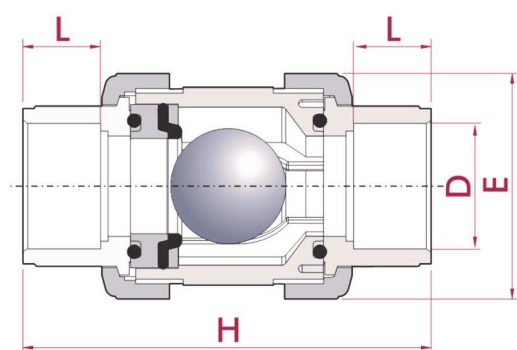
20.3.7. Zawór zwrotny kulowy UP-B.67.SF1 - EPDM



D	PN	H	L	E	Nr kat.
20	16	84	16	52	22078
25	16	108	19	62	22079
32	16	119	22	70	22080
40	16	142	26	84	22174
50	16	162	31	94	25697
63	16	192	38	117	25698
75	10	232	44	148	22175
90	10	269	51	179	22176
110	10	269	51	179	22177



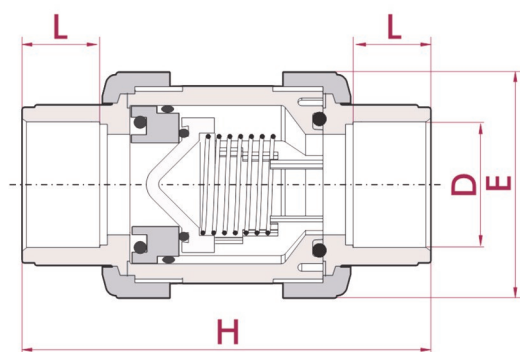
20.3.8. Zawór zwrotny kulowy UP-B.67.SF4 - VITON®



D	PN	H	L	E	Nr kat.
20	16	84	16	52	22090
25	16	108	19	62	22091
32	16	119	22	70	22092
40	16	142	26	84	22239
50	16	162	31	94	25701
63	16	192	38	117	25702
75	10	232	44	148	22240
90	10	269	51	179	22241
110	10	269	51	179	22242



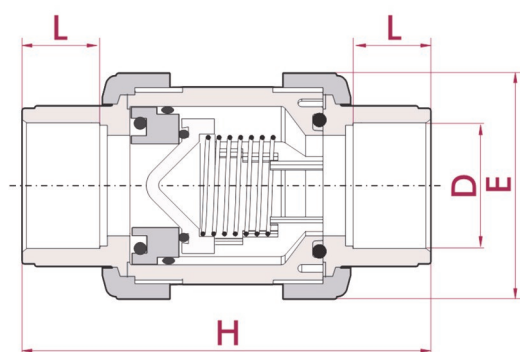
20.3.9. Zawór zwrotny stożkowy UP-S.67.SF1 - EPDM



D	PN	H	L	E	Nr kat.
16	16	84	16	52	09010
20	16	84	16	52	09011
25	16	108	19	62	09012
32	16	119	22	70	09013
40	16	142	26	84	09014
50	16	162	31	94	09015
63	16	192	38	117	09016
75	10	232	44	148	09017
90	10	269	51	179	09018
110	10	279	61	179	09019



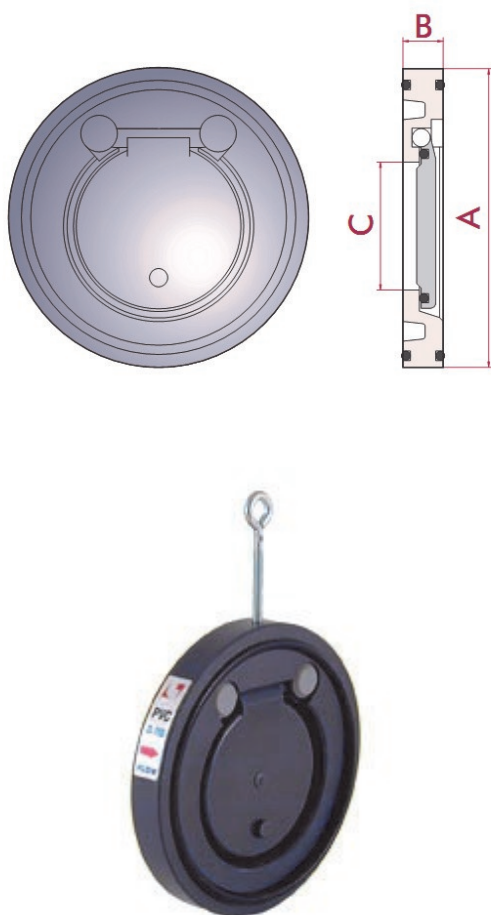
20.3.10. Zawór zwrotny stożkowy UP-S.67.SF4 - VITON®



D	PN	H	L	E	Nr kat.
16	16	84	16	52	18751
20	16	84	16	52	18752
25	16	108	19	62	18753
32	16	119	22	70	18754
40	16	142	26	84	18755
50	16	162	31	94	18756
63	16	192	38	117	18757
75	10	232	44	148	18758
90	10	269	51	179	18759
110	10	279	61	179	18760



20.3.11. Kłapa zwrotna UP.65 - EPDM (Viton® na zamówienie)



D	PN	H	L	E	Nr kat.
63	10	109	20	32	37055
75	10	129	20	40	08984
90	10	144	20	52	08985
110	10	164	22	70	08986
125	10	170	25	83	09040
140	10	195	23	92	08987
160	6	220	25	112	08988
200	6	247	28	139	09041
225	6	275	35	150	08989
250	6	328	40	162	37956
280	6	330	40	189	41865
315	6	380	45	226	37057

20.4. RURY

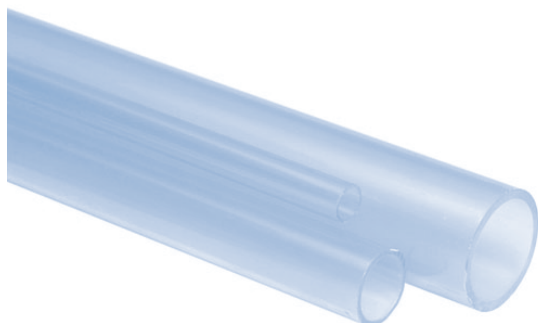
20.4.1. RURY PVC-U



	Typ elementu	Nr kat.
	Rura PVC-U PN16, d16 x 1,2	81.016.F.0000
	Rura PVC-U PN16, d20 x 1,5	81.020.F.0000
	Rura PVC-U PN10, d25 x 1,5	81.025.E.0000
	Rura PVC-U PN10, d32 x 1,6	RKG10032
	Rura PVC-U PN10, d40 x 1,9	RKG10040
	Rura PVC-U PN10, d50 x 2,4	RKG10050
	Rura PVC-U PN10, d63 x 3,0	RKG10063
	Rura PVC-U PN10, d75 x 3,6	RKG10075
	Rura PVC-U PN10, d90 x 4,3	RKG10090
	Rura PVC-U PN10, d110 x 4,2	RKG10110
	Rura PVC-U PN10, d125 x 4,8	RKG10125
	Rura PVC-U PN10, d140 x 5,4	RKG10140
	Rura PVC-U PN10, d160 x 6,2	RKG10160
	Rura PVC-U PN10, d200 x 7,7	RKG10200
	Rura PVC-U PN10, d225 x 8,6	RKG10225
	Rura PVC-U PN10, d250 x 9,6	RKG10250
	Rura PVC-U PN10, d280 x 10,7	RKG10280
	Rura PVC-U PN10, d315 x 12,1	RKG10315
	Rura PVC-U PN10, d400 x 15,3	RKG10400

20.4.2. Rury PVC-U TRANSPARENTNE

Rura DEKADUR-G d 25 x 1,5 PN 10	46.025.E.0000
Rura DEKADUR-G d 32 x 1,8 PN 10	46.032.E.0000
Rura DEKADUR-G d 40 x 2,0 PN 10	46.040.E.0000
Rura DEKADUR-G d 50 x 2,4 PN 10	46.050.E.0000
Rura DEKADUR-G d 63 x 3,0 PN 10	46.063.E.0000
Rura DEKADUR-G d 75 x 3,6 PN 10	46.075.E.0000
Rura DEKADUR-G d 90 x 4,3 PN 10	46.090.E.0000
Rura DEKADUR-G d 110 x 5,3 PN 10	46.110.E.0000



20.5. KLEJE I CZYŚCIWA

	Typ elementu	Nr kat.
	Klej TANGIT PVC-U 1,0kg	799.298.003
	Klej TANGIT PVC-U 0,5kg	799.298.002

	Czyściwo TANGIT PVC-U 1,0 l	799.298.010
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20.6. SYSTEMY RUROCIĄGOWE Z PE I PVC-C

Ponadto posiadamy w swoim asortymencie systemy rurociągowo z **PE-HD100**:

- rury **SDR17 i SDR11**
- kształtki elektrooporowe
- kształtki wtryskowe
- kształtki segmentowe
- zgrzewarki doczołowe i elektrooporowe

, a także z **PVC-C**:

- rury **PN10, PN16 i PN25**
- kształtki
- armatura
- kleje i czyściwa.

Szczegółowe informacje dostępne w dziale handlowym.



