

Product Range International 2015

Piping systems for industrial application

Pipes

Pipe PVC-C grey Series S4 SDR9 nominal pressure PN16

Model:

- Material: PVC-C
- Colour: RAL 7038 - agate grey
- Dimension: DIN 8079, EN ISO 15493
- Pipe length: 5m, with plain ends
- Minimum order quantity: 1 length

d [mm]	PN [bar]	Code	Weight [kg/m]	di [mm]	e [mm]	
16	16	163 017 130	0.136	12.4	1,8	
20	16	163 017 131	0.217	15.4	2,3	
25	16	163 017 132	0.326	19.4	2,8	

PF 2 80 449 001

Pipe PVC-C grey Series S6.3 SDR13.6 nominal pressure PN16

Model:

- Material: PVC-C
- Colour: RAL 7038 - agate grey
- Dimension: DIN 8079, EN ISO 15493
- Pipe length: 5m, with plain ends
- Minimum order quantity: 1 length

d [mm]	PN [bar]	Code	Weight [kg/m]	e [mm]	di [mm]	
32	16	163 017 133	0.379	2.4	27.2	
40	16	163 017 134	0.589	3.0	34.0	
50	16	163 017 135	0.896	3.7	42.6	
63	16	163 017 136	1.420	4.7	53.6	
75	16	163 017 137	2.010	5.6	63.0	
90	16	163 017 138	2.880	6.7	76.6	
110	16	163 017 139	4.270	8.2	93.8	
160	16	163 017 142	8.970	11.9	136.4	

PF 2 80 449 001

Pipe PVC-C grey Series S10 SDR21 nominal pressure PN10

Model:

- Material: PVC-C
- Colour: RAL 7038 - agate grey
- Dimension: DIN 8079, EN ISO 15493
- Pipe length: 5m, with plain ends
- Minimum order quantity: 1 length

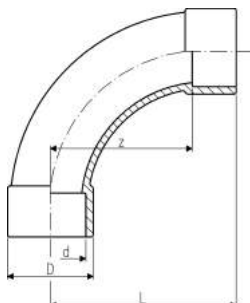
d [mm]	PN [bar]	Code	Weight [kg/m]	e [mm]	di [mm]	
75	10	163 017 187	1.320	3.6	67.8	
90	10	163 017 188	1.930	4.3	81.4	
110	10	163 017 189	2.890	5.3	99.4	
160	10	163 017 192	6.060	7.7	124.6	
225	10	163 017 195	11.900	10.8	203.4	

PF 2 80 449 003

Fittings

Bend 90° PVC-C metric

- Radius = 2 d

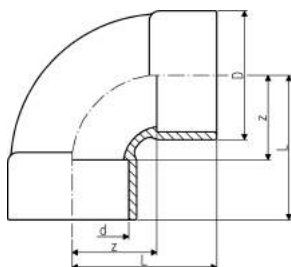


PF 2 32 450 009

d [mm]	PN [bar]	Code	SP	Weight [kg]	z [mm]	D [mm]	L [mm]	
20	16	723 000 106	10	0.032	40	27	58	
25	16	723 000 107	10	0.055	50	35	71	
32	16	723 000 108	10	0.080	64	38	88	
40	16	723 000 109	30	0.143	80	54	109	
50	16	723 000 110	5	0.327	100	61	131	
63	16	723 000 111	17	0.547	126	76	163	
75	16	723 000 112	5	0.847	150	90	194	
90	16	723 000 113	5	1.470	180	113	231	
110	16	723 000 114	5	2.943	220	137	284	
160	16	723 000 117	1	5.247	320	192	406	

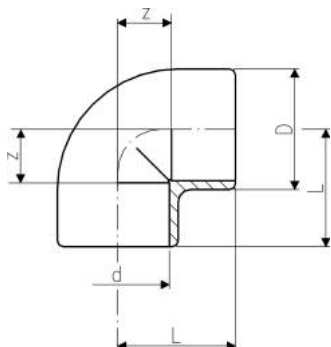
Bend 90° short pattern PVC-C metric

- Radius = 0,75 d



PF 2 32 450 009

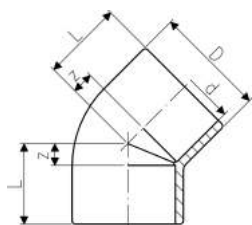
d [mm]	PN [bar]	Code	SP	Weight [kg]	z [mm]	D [mm]	L [mm]	
225	10	723 010 120	1	7.930	168	256	287	



PF 2 32 450 001

Elbow 90° PVC-C metric

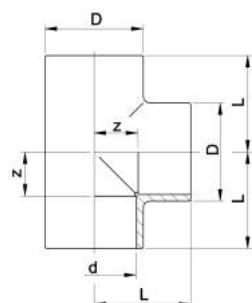
d [mm]	PN [bar]	Code	SP	Weight [kg]	z [mm]	D [mm]	L [mm]	
16	16	723 100 105	10	0.015	9	21	23	
20	16	723 100 106	10	0.014	11	25	27	
25	16	723 100 107	10	0.025	14	31	33	
32	16	723 100 108	10	0.047	17	40	39	
40	16	723 100 109	10	0.077	21	49	47	
50	16	723 100 110	10	0.139	26	61	57	
63	16	723 100 111	10	0.259	33	76	72	
75	16	723 100 112	5	0.437	40	90	84	
90	16	723 100 113	5	0.626	46	110	97	
110	16	723 100 114	4	1.085	61	128	116	
160	16	723 100 117	1	3.097	80	185	166	



PF 2 32 450 002

Elbow 45° PVC-C metric

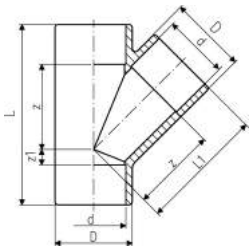
d [mm]	PN [bar]	Code	SP	Weight [kg]	z [mm]	D [mm]	L [mm]	
16	16	723 150 105	10	0.008	5	21	19	
20	16	723 150 106	10	0.011	5	25	21	
25	16	723 150 107	10	0.021	6	31	25	
32	16	723 150 108	10	0.037	8	40	30	
40	16	723 150 109	5	0.063	10	49	36	
50	16	723 150 110	5	0.110	12	61	43	
63	16	723 150 111	10	0.205	14	76	52	
75	16	723 150 112	5	0.323	17	88	61	
90	16	723 150 113	5	0.526	20	106	71	
110	16	723 150 114	10	0.782	28	137	89	
160	16	723 150 117	1	2.384	36	185	122	
225	10	723 150 120	1	4.833	49	250	168	



PF 2 32 450 003

Tee 90° PVC-C metric

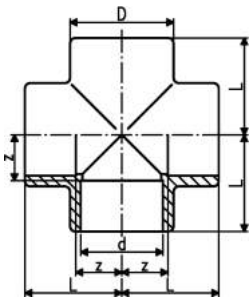
d [mm]	PN [bar]	Code	SP	Weight [kg]	z [mm]	D [mm]	L [mm]	
16	16	723 200 105	10	0.014	9	21	23	
20	16	723 200 106	10	0.020	11	25	27	
25	16	723 200 107	10	0.035	14	31	33	
32	16	723 200 108	10	0.061	17	40	39	
40	16	723 200 109	10	0.111	21	49	47	
50	16	723 200 110	10	0.198	26	61	57	
63	16	723 200 111	10	0.365	34	76	72	
75	16	723 200 112	5	0.581	40	90	84	
90	16	723 200 113	5	0.945	47	107	98	
110	16	723 200 114	6	1.450	55	128	116	
160	16	723 200 117	1	5.580	81	193	167	
225	10	723 200 120	1	9.560	114	256	233	



PF 2 32 450 026

Tee 45° PVC-C metric

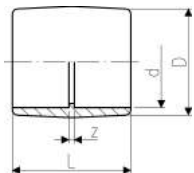
d [mm]	PN [bar]	Code	SP	Weight [kg]	z [mm]	z1 [mm]	D [mm]	L [mm]	L1 [mm]	
20	10	723 250 106	10	0.039	30	6	28	68	46	
25	10	723 250 107	10	0.062	36	9	33	83	55	
32	10	723 250 108	10	0.102	45	10	41	99	67	
40	10	723 250 109	10	0.172	56	10	50	118	82	
50	10	723 250 110	10	0.289	66	12	60	140	97	
63	10	723 250 111	10	0.449	85	14	74	175	123	
75	6	723 250 112	5	0.857	101	18	91	207	145	
90	6	723 250 113	1	1.334	122	20	107	245	173	
110	6	723 250 114	3	2.677	149	27	134	298	210	



PF 2 32 450 036

Cross PVC-C metric

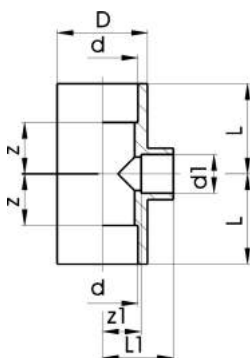
d [mm]	PN [bar]	Code	SP	Weight [kg]	z [mm]	D [mm]	L [mm]	
32	16	723 300 108	10	0.101	17	43	39	
63	16	723 300 111	5	0.511	34	79	72	



PF 2 32 450 004

Socket PVC-C metric

d [mm]	PN [bar]	Code	SP	Weight [kg]	z [mm]	D [mm]	L [mm]	
16	16	723 910 105	10	0.008	3	22	31	
20	16	723 910 106	10	0.010	3	26	35	
25	16	723 910 107	10	0.017	3	31	41	
32	16	723 910 108	10	0.029	3	39	47	
40	16	723 910 109	10	0.049	3	49	55	
50	16	723 910 110	10	0.085	3	61	65	
63	16	723 910 111	10	0.155	3	76	79	
75	16	723 910 112	10	0.204	4	87	92	
90	16	723 910 113	10	0.338	5	110	107	
110	16	723 910 114	5	0.765	5	131	132	
160	16	723 910 117	2	1.605	8	183	180	
225	10	723 910 120	1	3.644	10	253	248	

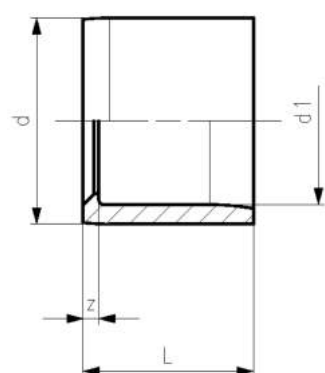


PF 2 32 450 010

Tee 90° reducing PVC-C metric

*Tee 90° delivered with the required reducing bushes

	d1 [mm]	d [mm]	PN [bar]	Code	SP	Weight [kg]	z1 [mm]	L1 [mm]	z [mm]	D [mm]	L [mm]	
	20	25	16	723 200 134	10	0.042	14	30	14	33	33	
	25	32	16	723 200 138	10	0.069	17	36	17	41	39	
	25	40	16	723 200 151	10	0.120	23	42	23	50	49	
	32	40	16	723 200 147	10	0.120	23	45	23	50	49	
	20	50	16	723 200 009	5	0.196	28	44	28	62	59	
	25	50	16	723 200 010	5	0.192	28	47	28	62	59	
	32	50	16	723 200 164	10	0.199	28	50	28	62	59	
	25	63	16	723 200 011	10	0.358	34	53	34	77	73	
	32	63	16	723 200 178	5	0.368	34	56	35	77	73	
	50	63	16	723 200 170	5	0.096	34	65	35	77	73	
*	63	75	16	723 200 184	8	0.766	47	84	41	92	84	
*	32	90	16	723 200 142	6	1.436	75	97	46	111	97	
*	63	90	16	723 200 145	5	1.166	66	97	46	111	97	
*	32	110	16	723 200 135	3	2.796	101	116	55	128	116	
*	90	110	16	723 200 137	3	2.677	71	116	55	128	116	



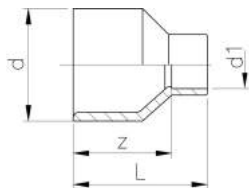
PF 2 32 450 017

Reducing bush short pattern PVC-C metric

Model:

- With solvent cement spigot and socket metric

	d [mm]	d1 [mm]	PN [bar]	Code	SP	Weight [kg]	z [mm]	L [mm]	
*	20	16	16	723 900 334	10	0.004	2	16	
*	25	20	16	723 900 337	10	0.004	3	19	
*	32	20	16	723 900 342	10	0.015	6	22	
*	32	25	16	723 900 341	10	0.009	4	22	
	40	20	16	723 900 348	10	0.023	10	26	
	40	25	16	723 900 347	10	0.024	7	26	
*	40	32	16	723 900 346	10	0.017	4	26	
	50	20	16	723 900 355	10	0.036	15	31	
	50	25	16	723 900 354	10	0.037	12	31	
	50	32	16	723 900 353	10	0.050	9	31	
*	50	40	16	723 900 352	10	0.032	5	31	
	63	32	16	723 900 360	10	0.086	16	38	
	63	40	16	723 900 359	10	0.074	12	38	
*	63	50	16	723 900 358	10	0.061	6	38	
	75	50	16	723 900 365	10	0.115	13	44	
*	75	63	16	723 900 364	10	0.086	6	44	
	90	50	16	723 900 372	10	0.196	20	51	
	90	63	16	723 900 371	10	0.183	14	51	
*	90	75	16	723 900 370	10	0.146	8	51	
*	110	63	16	723 900 378	5	0.329	24	61	
	110	90	16	723 900 376	5	0.283	10	61	
	160	110	16	723 900 390	5	0.956	25	86	
	225	160	16	723 900 396	2	2.380	33	119	



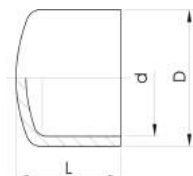
PF 2 32 450 035

Reducing bush long pattern PVC-C metric

Model:

- With solvent cement spigot and socket metric

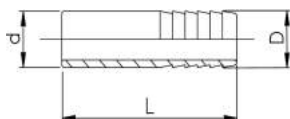
d1 [mm]	d [mm]	PN [bar]	Code	SP	Weight [kg]	z [mm]	L [mm]	
20	32	16	723 910 342	10	0.021	30	46	
25	40	16	723 910 347	10	0.036	36	55	
25	50	16	723 910 354	10	0.058	44	63	
32	63	16	723 910 360	10	0.110	54	76	
40	75	16	723 910 366	5	0.165	62	88	
63	90	16	723 910 371	5	0.311	74	112	



PF 2 32 450 005

Cap PVC-C metric

d [mm]	PN [bar]	Code	SP	Weight [kg]	D [mm]	L [mm]	
16	16	723 960 105	10	0.008	26	24	
20	16	723 960 106	10	0.011	30	25	
25	16	723 960 107	10	0.018	37	30	
32	16	723 960 108	10	0.029	44	34	
40	16	723 960 109	10	0.046	55	41	
50	16	723 960 110	10	0.064	64	44	
63	16	723 960 111	5	0.120	80	54	
75	16	723 960 112	5	0.162	87	65	
90	16	723 960 113	10	0.315	112	77	
110	16	723 960 114	5	0.692	145	101	
160	10	723 960 117	2	1.599	188	130	



PF 2 32 450 024

Hose nozzle PVC-C metric

Model:

- With solvent cement spigot and parallel hose connection

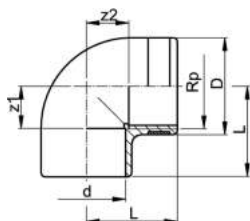
d [mm]	PN [bar]	Code	SP	Weight [kg]	D [mm]	L [mm]	
16	16	723 960 405	10	0.009	16	57	
20	16	723 960 406	10	0.016	20	73	
25	16	723 960 407	10	0.023	25	79	
32	16	723 960 408	10	0.038	30	89	

Adaptor fittings

Elbow 90° PVC-C metric Rp

Model:

- With solvent cement socket metric and parallel female thread Rp
- Reinforcing ring stainless (A2)
- Connection to plastic or metal threads
- Install with low mechanical stress and avoid large cyclic temperature changes
- Do not use thread sealing pastes that are harmful to PVC-C



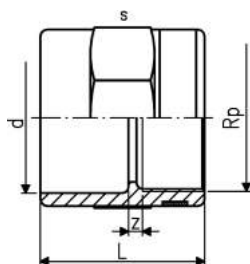
PF 2 32 450 011

Rp [inch]	d [mm]	PN [bar]	Code	SP	Weight [kg]	z1 [mm]	z2 [mm]	D [mm]	L [mm]
½	20	16	723 100 206	10	0.024	11	14	30	27
¾	25	16	723 100 207	10	0.037	14	17	35	33
1	32	16	723 100 208	40	0.063	17	22	45	39
1 ¼	40	16	723 100 209	100	0.134	23	27	55	50
1 ½	50	16	723 100 210	5	0.199	27	36	62	58
2	63	16	723 100 211	10	0.337	33	46	75	73

Socket PVC-C metric Rp

Model:

- With solvent cement socket metric and parallel female thread Rp
- Reinforcing ring stainless (A2)
- Connection to plastic or metal threads
- Install with low mechanical stress and avoid large cyclic temperature changes
- Do not use thread sealing pastes that are harmful to PVC-C



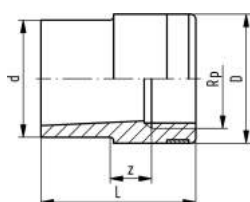
PF 2 32 450 012

Rp [inch]	d [mm]	PN [bar]	Code	SP	Weight [kg]	z [mm]	L [mm]	s [mm]
½	20	16	723 910 206	10	0.027	4	35	32
¾	25	16	723 910 207	10	0.035	3	40	36
1	32	16	723 910 208	10	0.059	3	45	46
1 ¼	40	16	723 910 209	10	0.093	5	51	55
1 ½	50	16	723 910 210	10	0.133	7	59	65
2	63	16	723 910 211	5	0.211	7	69	80

Reducing bush PVC-C metric Rp

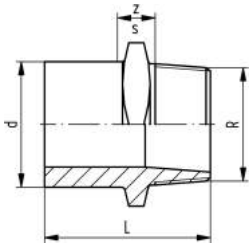
Model:

- With solvent cement spigot metric and parallel female thread Rp
- Reinforcing ring stainless (A2)
- Connection to plastic or metal threads
- Install with low mechanical stress and avoid large cyclic temperature changes



PF 2 32 450 022

d [mm]	Rp [inch]	PN [bar]	Code	SP	Weight [kg]	z [mm]	D [mm]	L [mm]
20	¾	16	723 910 434	10	0.016	7	25	35
25	½	16	723 910 437	10	0.022	7	30	41
32	¾	16	723 910 441	10	0.033	15	35	48
40	1	16	723 910 446	10	0.061	20	45	56
50	1 ¼	16	723 910 452	10	0.101	20	55	66
63	1 ½	16	723 910 458	5	0.161	10	62	77



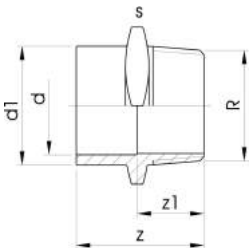
PF 2 32 450 018

Adaptor nipple PVC-C metric R

Model:

- With solvent cement spigot metric and taper male thread R
- Connection to plastic threads only
- Install with low mechanical stress and avoid large cyclic temperature changes
- Do not use thread sealing pastes that are harmful to PVC-C

R [inch]	d [mm]	PN [bar]	Code	SP	Weight [kg]	L [mm]	z [mm]	s [mm]	
3/8	16	16	723 910 505	10	0.012	35	8	27	



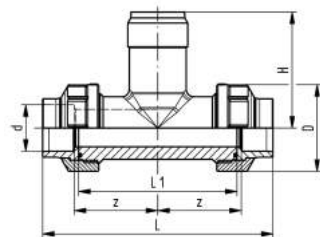
PF 2 32 450 023

Adaptor socket nipple PVC-C metric R

Model:

- With solvent cement spigot/socket metric and taper male thread R
- Connection to plastic threads only
- Install with low mechanical stress and avoid large cyclic temperature changes
- Do not use thread sealing pastes that are harmful to PVC-C

d [mm]	R [inch]	d1 [mm]	PN [bar]	Code	SP	Weight [kg]	z [mm]	z1 [mm]	s [mm]	
16	1/2	20	16	723 910 556	10	0.017	42	28	32	
20	3/4	25	16	723 910 557	10	0.026	47	31	36	
25	1	32	16	723 910 558	10	0.043	54	35	46	
32	1 1/4	40	16	723 910 559	10	0.065	60	38	55	
40	1 1/2	50	16	723 910 560	10	0.102	66	40	65	
50	2	63	16	723 910 561	5	0.173	78	47	80	



PF 2 98 930 004

Installation fitting type 310 PVC-C For socket systems metric

Range of use:

- Compatible Signet flow sensors: type 2551, 2537, 515, 8510, 2536, 8512
- Compatible Signet pH/ORP sensors: type 2724, 2725, 2726

Attention:

- sensor length depends on installation fitting

Model:

- Threaded outlet 1 1/4" NPSM
- Body and union nut PVDF
- Union end with solvent cement socket PVC-C

d [mm]	DN [mm]	PN [bar]	EPDM Code	SP	Weight [kg]	FPM Code	SP	Weight [kg]	
20	15	16	723 310 006	1	0.250	723 310 036	1	0.250	
25	20	16	723 310 007	1	0.355	723 310 037	1	0.355	
32	25	16	723 310 008	1	0.427	723 310 038	1	0.427	
40	32	16	723 310 009	1	0.700	723 310 039	1	0.700	
50	40	16	723 310 010	1	0.850	723 310 040	1	0.850	
63	50	16	723 310 011	1	1.182	723 310 041	1	1.182	

d [mm]	DN [mm]	L [mm]	z [mm]	L1 [mm]	D [mm]	H [mm]	Sensor Type	
20	15	132	49	90	45	76	flow X0; pH XX	
25	20	148	53	100	55	78	flow X0; pH XX	
32	25	164	58	110	62	81	flow X0; pH XX	
40	32	172	58	110	75	85	flow X0; pH XX	
50	40	188	63	120	84	89	flow X0; pH XX	
63	50	212	68	130	101	95	flow X0; pH XX	

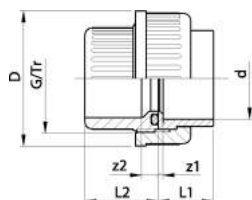
Unions

Solvent cement unions

Union for solvent cement jointing PVC-C metric

Model:

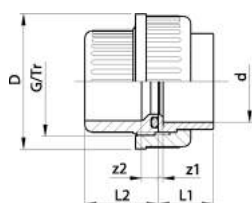
- Silicone free / paint-compatible
- Union End: solvent socket metric
- Union bush: Solvent cement socket metric
- With O-ring gasket



d [mm]	PN [bar]	EPDM Code	SP	Weight [kg]	FPM Code	SP	Weight [kg]
16	16	723 510 155	10	0.028	723 510 180	0	0.028
20	16	723 510 156	10	0.046	723 510 181	0	0.046
25	16	723 510 157	10	0.071	723 510 182	0	0.071
32	16	723 510 158	10	0.099	723 510 183	0	0.099
40	16	723 510 159	10	0.190	723 510 184	0	0.190
50	16	723 510 160	5	0.240	723 510 185	0	0.240
63	16	723 510 161	10	0.425	723 510 186	0	0.425
75	10	723 510 162	2	0.670	723 510 187	0	0.670
90	10	723 510 163	2	1.008	723 510 188	0	1.008
110	10	723 510 164	2	1.553	723 510 189	0	1.553

L2 [mm]	z1 [mm]	z2 [mm]	D [mm]	L1 [mm]	G/Tr [inch]
24	3	8	35	19	3/4
26	3	9	43	21	1
29	3	9	53	24	1 1/4
33	3	9	60	27	1 1/2
39	3	10	74	32	2
46	3	10	83	33	2 1/4
58	3	10	103	40	2 3/4
62	3	18	135	47	Tr108x5
69	5	18	158	56	Tr128x5
72	5	11	188	66	Tr154x6

PF 2 32 450 021



Union PVC-C metric

Model:

- Union End: Solvent cement socket metric
- Union bush: Solvent cement socket metric
- Jointing face: With O-ring groove
- Gasket: O-ring EPDM code no. 748 410 005-016, for d90 748 410 248

d [mm]	PN [bar]	EPDM Code	SP	Weight [kg]	FPM Code	SP	Weight [kg]
16	16	723 510 105	10	0.028	723 510 130	10	0.027
20	16	723 510 106	10	0.046	723 510 131	10	0.044
25	16	723 510 107	10	0.063	723 510 132	10	0.072
32	16	723 510 108	10	0.090	723 510 133	10	0.098
40	16	723 510 109	10	0.158	723 510 134	10	0.167
50	16	723 510 110	5	0.214	723 510 135	10	0.098
63	16	723 510 111	10	0.360	723 510 136	10	0.362
75	10	723 510 112	2	0.650	723 510 137	2	0.670
90	10	723 510 313	2	0.994	723 510 338	2	1.008
110	10	723 510 114	1	1.509	723 510 139	1	1.523

z1 [mm]	z2 [mm]	D [mm]	L1 [mm]	L2 [mm]	G/Tr [inch]
3	8	35	19	24	3/4
3	9	43	21	26	1
3	9	53	24	29	1 1/4
3	9	60	27	33	1 1/2
3	10	74	32	39	2
3	10	83	33	46	2 1/4
3	10	103	40	58	2 3/4
3	18	135	47	62	Tr108x5
5	18	158	56	69	Tr128x5
5	11	188	66	72	Tr154x6

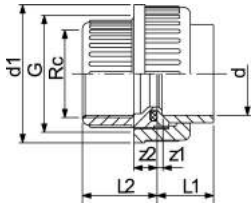
PF 2 32 450 007

Adaptor unions

Adaptor union PVC-C metric Rp

Model:

- Union End: Solvent cement socket metric
- Union Bush: Parallel female thread Rp
- Gasket: O-ring EPDM code no. 748 410 005-011
- Connection to plastic threads only
- Do not use thread sealing pastes that are harmful to PVC-C



Rp [inch]	d [mm]	PN [bar]	EPDM Code	SP	Weight [kg]	FPM Code	SP	Weight [kg]	
3/8	16	16	723 510 205	10	0.022	723 510 230	0	0.022	
1/2	20	16	723 510 206	10	0.047	723 510 231	0	0.040	
3/4	25	16	723 510 207	10	0.065	723 510 232	0	0.065	
1	32	16	723 510 208	10	0.103	723 510 233	0	0.103	
1 1/4	40	16	723 510 209	10	0.615	723 510 234	0	0.174	
1 1/2	50	16	723 510 210	2	0.239	723 510 235	0	0.239	
2	63	16	723 510 211	2	0.400	723 510 236	0	0.435	

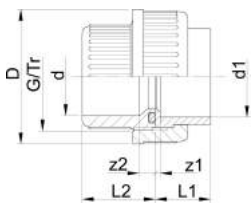
z1 [mm]	z2 [mm]	D [mm]	L1 [mm]	L2 [mm]	G [inch]	
3	13	35	17	24	3/4	
3	13	43	19	26	1	
3	14	51	22	29	1 1/4	
3	15	58	25	32	1 1/2	
3	19	74	31	38	2	
3	26	83	34	45	2 1/4	
3	33	100	41	56	2 3/4	

PF 2 32 450 033

Adaptor union PVC-C metric/ASTM

Model:

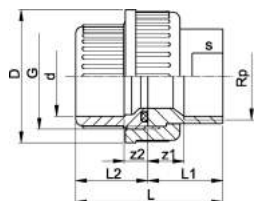
- Union bush: Solvent cement socket metric
- Union End: solvent cement socket inch ASTM
- Gasket: O-ring EPDM code no. 748 410 005-011



d [mm]	Inch [inch]	PN [bar]	EPDM Code	SP	Weight [kg]	FPM Code	SP	Weight [kg]	
16	3/8	10	723 514 105	10	0.022	723 514 130	0	0.022	
20	1/2	10	723 514 106	10	0.047	723 514 131	0	0.047	
25	3/4	10	723 514 107	10	0.065	723 514 132	0	0.065	
32	1	10	723 514 108	10	0.103	723 514 133	0	0.093	
40	1 1/4	10	723 514 109	10	0.174	723 514 134	0	0.161	
50	1 1/2	10	723 514 110	5	0.239	723 514 135	0	0.226	
63	2	10	723 514 111	10	0.435	723 514 136	0	0.372	

d [mm]	z1 [mm]	z2 [mm]	D [mm]	L1 [mm]	L2 [mm]	G [inch]	
16	4	10	35	17	24	3/4	
20	2	10	43	19	26	1	
25	4	10	51	22	29	1 1/4	
32	4	10	58	25	33	1 1/2	
40	6	12	74	29	39	2	
50	11	14	83	34	46	2 1/4	
63	17	18	100	41	58	2 3/4	

PF 2 32 450 034



Adaptor union PVC-C/stainless steel metric Rp

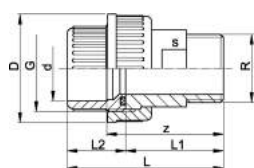
Model:

- Union Nut: PVC-C
- Union Bush: Solvent cement socket PVC-C metric
- Union End: Stainless Steel WN 1.4404 (316L), parallel female thread Rp
- Gasket: O-ring EPDM code no. 748 410 005-011

d [mm]	Rp [inch]	PN [bar]	EPDM Code	SP	Weight [kg]	FPM Code	SP	Weight [kg]
16	3/8	16	723 540 205	10	0.053	723 540 230	0	0.053
20	1/2	16	723 540 206	10	0.096	723 540 231	0	0.096
25	3/4	16	723 540 207	5	0.154	723 540 232	0	0.154
32	1	16	723 540 208	5	0.212	723 540 233	0	0.212
40	1 1/4	16	723 540 209	2	0.356	723 540 234	0	0.347
50	1 1/2	16	723 540 210	2	0.455	723 540 235	0	0.502
63	2	16	723 540 211	2	0.721	723 540 236	0	0.721

z1 [mm]	z2 [mm]	D [mm]	L [mm]	L1 [mm]	L2 [mm]	G [inch]	s [mm]
9	10	35	43	19	24	3/4	19
11	10	43	50	24	26	1	24
11	10	51	55	26	29	1 1/4	29
12	10	58	61	29	33	1 1/2	36
14	12	74	71	33	39	2	45
15	14	83	79	34	46	2 1/4	54
15	18	100	95	39	58	2 3/4	63

PF 2 32 450 037



Adaptor union PVC-C/stainless steel metric R

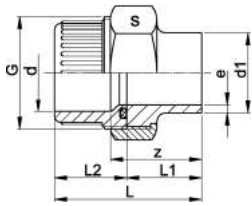
Model:

- Union Nut: PVC-C
- Union Bush: Solvent cement socket PVC-C metric
- Union End: Stainless Steel WN 1.4404 (316L), taper male thread R
- Gasket: O-ring EPDM code no. 748 410 005-011

R [inch]	d [mm]	PN [bar]	EPDM Code	SP	Weight [kg]	FPM Code	SP	Weight [kg]
3/8	16	16	723 540 705	10	0.073	723 540 730	0	0.073
1/2	20	16	723 540 706	10	0.126	723 540 731	0	0.120
3/4	25	16	723 540 707	5	0.174	723 540 732	0	0.174
1	32	16	723 540 708	5	0.262	723 540 733	0	0.259
1 1/4	40	16	723 540 709	2	0.476	723 540 734	0	0.482
1 1/2	50	16	723 540 710	2	0.535	723 540 735	0	0.535
2	63	16	723 540 711	2	0.931	723 540 736	0	0.982

z [mm]	D [mm]	L [mm]	L1 [mm]	L2 [mm]	G [inch]	s [mm]
40	35	54	30	24	3/4	19
44	43	60	34	26	1	24
46	51	65	36	29	1 1/4	32
50	58	72	40	33	1 1/2	37
58	74	84	46	39	2	48
62	83	93	48	46	2 1/4	54
73	100	111	55	58	2 3/4	69

PF 2 32 450 037



Adaptor union PVC-C/stainless steel metric welding end

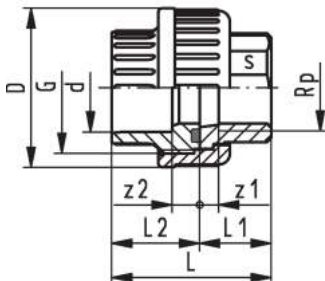
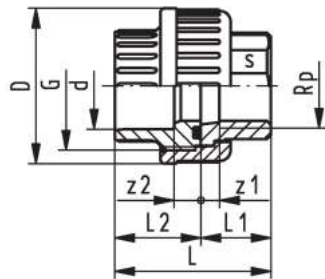
Model:

- Union Nut: Stainless Steel WN 1.4404 (316L)
- Union Bush: Solvent cement socket PVC-C metric
- Union End: Stainless Steel 1.4404 (316L) with welding end
- Gasket: O-ring EPDM code no. 748 410 005-011

d1 [mm]	d [mm]	PN [bar]	EPDM Code	SP	Weight [kg]	FPM Code	SP	Weight [kg]
17	16	16	723 545 505	10	0.101	723 545 530	0	0.101
21	20	16	723 545 506	10	0.176	723 545 531	0	0.171
27	25	16	723 545 507	5	0.204	723 545 532	0	0.204
34	32	16	723 545 508	5	0.313	723 545 533	0	0.313
42	40	16	723 545 509	2	0.493	723 545 534	0	0.493
48	50	16	723 545 510	2	0.566	723 545 535	0	0.566
60	63	16	723 545 511	2	0.902	723 545 536	0	0.885

z [mm]	L [mm]	L1 [mm]	L2 [mm]	e [mm]	G [inch]	s [mm]
28	42	18	24	1.6	3/4	32
32	48	22	26	2.0	1	41
33	52	23	29	2.0	1 1/4	46
36	58	26	33	2.0	1 1/2	55
38	64	26	39	2.0	2	68
42	73	28	46	2.0	2 1/4	74
50	88	32	58	2.6	2 3/4	88

PF 2 32 450 037



Adaptor union PVC-C/malleable iron galvanised metric Rp

Model:

- Union Nut: PVC-C
- Union Bush: Solvent cement socket PVC-C metric
- Union End: malleable iron with parallel female thread Rp
- Gasket: O-ring EPDM code no. 748 410 006-011

Rp [inch]	d [mm]	Code	SP	Weight [kg]	z2 [mm]	G [inch]	s [mm]	z1 [mm]	L [mm]	L2 [mm]	L1 [mm]	D [mm]
1/2	20	723 530 306	10	0.075	10	1	25	9	48	26	22	43
3/4	25	723 530 307	5	0.112	10	1 1/4	31	7	51	29	22	51
1	32	723 530 308	5	0.157	10	1 1/2	38	9	58	33	26	58
1 1/4	40	723 530 309	2	0.300	12	2	48	12	69	39	31	72
1 1/2	50	723 530 310	2	0.384	14	2 1/4	54	14	78	46	33	83
2	63	723 530 311	5	0.603	18	2 3/4	67	11	91	58	35	100

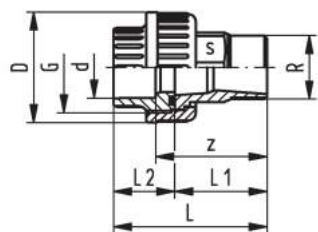
PF 2 32 450 019



Adaptor union PVC-C/malleable iron galvanised metric R

Model:

- Union Nut: PVC-C
- Union End: Malleable iron with taper male thread R
- Union Bush: Solvent cement socket PVC-C metric
- Gasket: O-ring EPDM code no. 748 410 006-011



R	d	Code	SP	Weight	s	L2	G	z	L1	D	L	
[inch]	[mm]			[kg]	[mm]	[mm]	[inch]	[mm]	[mm]	[mm]	[mm]	
1/2	20	723 530 806	10	0.114	25	26	1	50	40	43	66	
3/4	25	723 530 807	5	0.165	31	29	1 1/4	53	43	51	72	
1	32	723 530 808	5	0.205	38	33	1 1/2	58	48	58	80	
1 1/4	40	723 530 809	2	0.403	48	39	2	69	57	72	95	
1 1/2	50	723 530 810	2	0.539	54	46	2 1/4	73	59	83	104	
2	63	723 530 811	8	0.787	67	58	2 3/4	80	62	100	118	

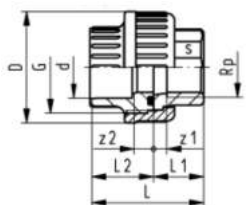
PF 2 32 450 020



Adaptor union PVC-C/brass metric Rp

Model:

- Union Nut: PVC-C
- Union Bush: Solvent cement socket PVC-C metric
- Union End: Brass with parallel female thread Rp
- Gasket: O-ring EPDM code no. 748 410 006-011



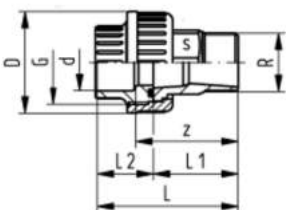
Rp	PN	d	Code	SP	Weight	L1	D	L	L2	s	z1	z2	G
[inch]	[bar]	[mm]			[kg]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[inch]
1/2	16	20	723 550 506	10	0.093	22	43	48	26	25	7	10	1
3/4	16	25	723 550 507	5	0.152	25	51	54	29	30	9	10	1 1/4
1	16	32	723 550 508	5	0.198	27	58	60	33	36	8	11	1 1/2
1 1/4	16	40	723 550 509	2	0.351	31	72	70	39	46	10	13	2
1 1/2	16	50	723 550 510	2	0.507	35	83	81	46	55	13	15	2 1/4
2	16	63	723 550 511	5	0.809	40	100	98	58	65	14	21	2 3/4



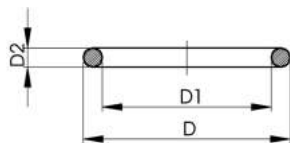
Adaptor union PVC-C/brass metric R

Model:

- Union Nut: PVC-C
- Union Bush: Solvent cement socket PVC-C metric
- Union End: Brass with taper male thread R
- Gasket: O-ring EPDM code no. 748 410 006-011



R	d	PN*	Code	SP	Weight	z	s	G	L1	D	L	L2	
[inch]	[mm]	[bar]			[kg]	[mm]	[mm]	[inch]	[mm]	[mm]	[mm]	[mm]	
1/2	20	16	723 550 906	10	0.132	47	25	1	37	43	63	26	
1/2	25	16	723 550 957	5	0.230	47	30	1 1/4	37	51	66	29	
3/4	25	16	723 550 907	5	0.203	52	30	1 1/4	42	51	71	29	
1	25	16	723 550 967	5	0.312	56	30	1 1/4	46	51	75	29	
1/2	32	16	723 550 958	5	0.302	48	36	1 1/2	37	58	70	33	
3/4	32	16	723 550 968	5	0.302	53	36	1 1/2	52	58	75	33	
1	32	16	723 550 908	5	0.393	57	36	1 1/2	46	58	79	33	
1 1/4	40	16	723 550 909	2	0.493	65	46	2	52	72	91	39	
1 1/2	50	16	723 550 910	2	1.468	71	55	2 1/4	56	83	102	46	
2	63	16	723 550 911	8	1.103	87	65	2 3/4	67	100	125	58	



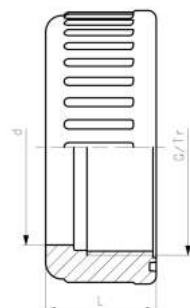
Spare parts unions O-Ring gasket

Model:

- For unions and adaptor unions
- Hardness approx. 65° Shore
- EPDM minimum temperature -40°C
- FPM minimum temperature -15°C

DN [mm]	d [mm]	EPDM Code	PF	SP	Weight [kg]
8	10 - 12	748 410 004	2 30 162 006	100	0.002
10	16	748 410 005	2 30 162 006	0	0.001
15	20	748 410 006	2 30 162 006	0	0.001
20	25	748 410 007	2 31 800 999	0	0.004
25	32	748 410 008	2 30 162 006	0	0.002
32	40	748 410 009	2 30 162 006	0	0.001
40	50	748 410 010	2 30 162 006	0	0.001
50	63	748 410 011	2 30 162 006	0	0.010
65	75	748 410 014	2 31 800 999	500	0.001
80	90	748 410 248	2 30 162 006	1	0.008
100	110	748 410 016	2 31 800 999	100	0.016

FPM Code	PF	SP	Weight [kg]	D [mm]	closest inch [inch]	D1 [mm]	D2 [mm]
749 410 004	2 30 162 006	0	0.001	18	¾	12	3
749 410 005	2 30 162 006	0	0.001	21	⅝	16	3
749 410 006	2 30 162 006	0	0.001	27	½	20	4
749 410 007	2 31 800 999	100	0.002	35	¾	28	4
749 410 008	2 30 162 006	100	0.002	40	1	33	4
749 410 009	2 30 162 006	0	0.007	51	1 ¼	41	5
749 410 010	2 30 162 006	0	0.060	58	1 ½	47	5
749 410 011	2 30 162 006	100	0.003	70	2	60	5
749 410 014	2 31 800 999	100	0.012	93	2 ½	82	5
749 410 248	2 30 162 006	1	0.020	105	3	95	5
749 410 016	2 31 800 999	50	0.031	134	4	120	7



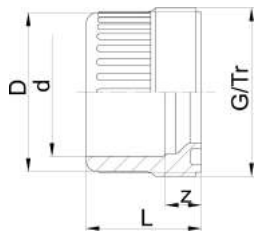
Union nut PVC-C

Model:

- For union 723 510 105-114

d [mm]	PN [bar]	Code	SP	Weight [kg]	L [mm]	G/Tr [inch]
16	16	723 690 005	0	0.012	21	3/4
20	16	723 690 006	0	0.020	23	1
25	16	723 690 007	0	0.021	24	1 1/4
32	16	723 690 008	0	0.031	26	1 1/2
40	16	723 690 009	0	0.053	29	2
50	16	723 690 010	0	0.092	34	2 1/4
63	16	723 690 011	0	0.133	38	2 3/4
75	10	723 690 012	0	0.267	40	Tr108x5
90	10	723 690 013	0	0.389	43	Tr128x5
110	10	723 690 014	0	0.609	48	Tr154x6

PF 2 32 450 999



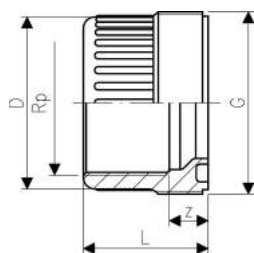
PF 2 32 450 999

Union bush PVC-C metric

Model:

- Solvent cement socket metric
- For union 723 510 105-114
- Jointing face: With O-Ring groove
- Gasket: O-ring EPDM code no. 748 410 005-016

d [mm]	PN [bar]	Code	SP	Weight [kg]	z [mm]	D [mm]	L [mm]	G/Tr [inch]	
16	16	723 840 105	10	0.009	11	24	25	3/4	
20	16	723 840 106	10	0.014	12	28	26	1	
25	16	723 840 107	10	0.024	11	33	29	1 1/4	
32	16	723 840 108	10	0.038	10	41	33	1 1/2	
40	16	723 840 109	10	0.066	12	50	39	2	
50	16	723 840 110	10	0.083	14	62	46	2 1/4	
63	16	723 840 111	10	0.158	19	77	58	2 3/4	
75	10	723 840 112	20	0.230	18	93	62	Tr108x5	
90	10	723 840 123	12	0.381	18	110	69	Tr128x5	
110	10	723 840 114	10	0.480	11	133	72	Tr154x6	



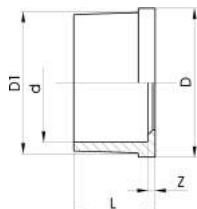
PF 2 32 450 027

Union bush PVC-C Rp

Model:

- With parallel female thread Rp
- For union 723 510 105-114
- Jointing face: With O-Ring groove
- Connection to plastic threads only
- Do not use thread sealing pastes that are harmful to PVC-C
- Gasket: O-ring EPDM code no. 748 410 005-011

Rp [inch]	PN [bar]	Code	SP	Weight [kg]	z [mm]	D [mm]	L [mm]	G [inch]	
3/8	10	723 840 605	10	0.010	13	24	24	3/4	
1/2	10	723 840 606	10	0.015	13	29	26	1	
3/4	10	723 840 607	10	0.024	14	34	29	1 1/4	
1	10	723 840 608	10	0.039	15	42	32	1 1/2	
1 1/4	10	723 840 609	10	0.069	19	53	38	2	
1 1/2	10	723 840 610	10	0.092	26	63	45	2 1/4	
2	10	723 840 611	10	0.114	33	78	56	2 3/4	



PF 2 32 450 999

Union end PVC-C metric

Model:

- For union 723 510 105-114
- With solvent cement socket metric

d [mm]	PN [bar]	Code	SP	Weight [kg]	z [mm]	D [mm]	D1 [mm]	L [mm]	
16	16	723 800 105	10	0.005	3	24	22	19	
20	16	723 800 106	10	0.010	4	30	28	21	
25	16	723 800 107	10	0.018	3	39	36	24	
32	16	723 800 108	10	0.023	3	44	41	27	
40	16	723 800 109	10	0.062	3	57	53	31	
50	16	723 800 110	10	0.064	3	63	59	34	
63	16	723 800 111	10	0.120	3	78	74	41	
75	10	723 800 162	20	0.157	3	101	91	47	
90	10	723 800 163	12	0.260	5	121	108	56	
110	10	723 800 164	10	0.418	5	146	131	66	

Union end PVC-C ASTM

Model:

- For union 723 510 105-114
- With solvent cement socket ASTM

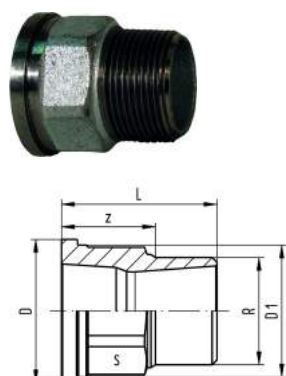


Inch [inch]	PN [bar]	Code	PF	SP	Weight [kg]	z [mm]	D [mm]	D1 [mm]	L [mm]	
3/8	16	723 602 005	2 32 450 032	0	0.006	3	24	22	22	
1/2	16	723 602 006	2 32 450 032	0	0.013	3	30	28	25	
3/4	16	723 602 007	2 32 450 032	0	0.017	3	39	36	28	
1	16	723 602 008	2 32 450 032	0	0.024	3	45	42	32	
1 1/4	16	723 602 009	2 32 450 032	0	0.038	3	57	53	35	
1 1/2	16	723 602 010	2 32 450 032	0	0.048	3	63	59	38	
2	16	723 602 011	2 32 450 032	0	0.080	3	78	74	41	
2 1/2	16	723 602 012				3	101	91	47	
3	16	723 602 013				5	121	108	56	
4	16	723 602 014				5	146	131	66	

Union end malleable iron galvanized R

Model:

- Union End: Malleable iron with taper male thread R



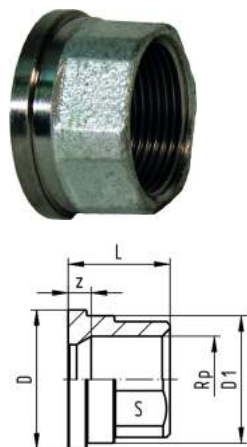
PF 2 30 153 999

R [inch]	d [mm]	Code	SP	Weight [kg]	D [mm]	L [mm]	D1 [mm]	z [mm]	s [mm]	
1/2	20	724 600 806	200	0.069	30	40	27	25	23	
3/4	25	724 600 807	120	0.115	39	43	36	27	30	
1	32	724 600 808	0	0.161	44	48	41	29	36	
1 1/4	40	724 600 809	0	0.294	56	57	52	36	48	
1 1/2	50	724 600 810	0	0.353	62	59	58	37	54	
2	63	724 600 811	15	0.570	78	62	73	36	66	
2 1/2	75	724 600 812	0	0.980	100	75	92	45	85	
3	90	724 600 813	0	1.217	121	80	110	47	95	

Union end malleable iron galvanized Rp

Model:

- Union End: malleable iron with parallel female thread Rp



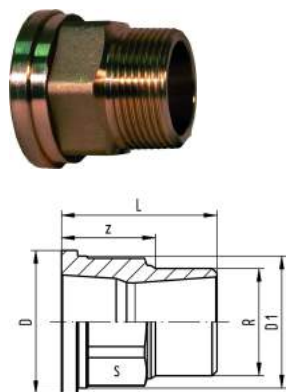
PF 2 30 153 999

d [mm]	Rp [inch]	PN [bar]	Code	SP	Weight [kg]	D [mm]	L [mm]	s [mm]	z [mm]	D1 [mm]	
20	1/2	16	724 600 206	100	0.037	30	22	25	9	27	
25	3/4	16	724 600 207	0	0.072	39	22	31	7	36	
32	1	16	724 600 208	120	0.088	44	26	38	9	41	
32	1 1/4	16	724 600 209	0	0.172	56	31	48	12	52	
50	1 1/2	16	724 600 210	1	0.210	62	33	54	14	58	
63	2	16	724 600 211	0	0.331	78	35	67	11	73	
75	2 1/2	16	724 600 212	35	0.557	100	39	85	12	92	
90	3	16	724 600 213	0	0.650	121	45	96	15	110	

Union end brass R

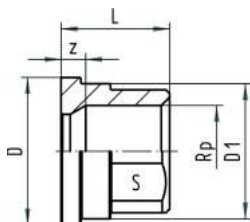
Model:

- Union End: Brass with taper male thread R



PF 2 30 153 999

d [mm]	R [inch]	Code	SP	Weight [kg]	z [mm]	D1 [mm]	D [mm]	s [mm]	L [mm]	
20	1/2	720 600 246	1	0.092	22	28	30	25	37	
25	3/4	720 600 247	1	0.151	25	36	39	30	42	
25	1/2	720 600 257	1	0.142	27	36	39	30	42	
32	1	720 600 248	1	0.216	28	42	45	36	46	
32	1/2	720 600 258	1	0.113	31	42	45	36	46	
32	3/4	720 600 268	1	0.206	30	42	45	36	46	
40	1 1/4	720 600 249	1	0.408	32	53	56	46	52	
50	1 1/2	720 600 250	1	0.538	36	59	62	55	56	
63	2	720 600 251	1	0.859	42	74	78	65	67	
75	2 1/2	720 600 252	1	1.446	49	92	100	85	77	
90	3	720 600 253	1	2.063	54	110	121	95	86	



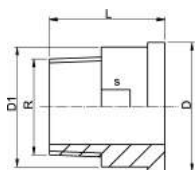
PF 2 30 153 999

Union end brass Rp

Model:

- Union End: Brass with parallel female thread Rp

Rp [inch]	d [mm]	Code	SP	Weight [kg]	L [mm]	s [mm]	D [mm]	D1 [mm]	z [mm]	
1/2	20	720 600 236	1	0.059	22	25	30	28	5	
3/4	25	720 600 237	1	0.100	25	30	39	36	6	
1	32	720 600 238	1	0.128	27	36	45	42	6	
1 1/4	40	720 600 239	1	0.211	31	46	56	53	7	
1 1/2	50	720 600 240	1	0.324	35	55	62	59	7	
2	63	720 600 241	1	0.510	40	65	78	74	8	
2 1/2	75	720 600 242	1	0.893	47	85	100	92	10	
3	90	720 600 243	1	1.395	52	95	121	110	11	



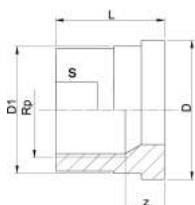
PF 2 30 153 999

Union end stainless steel R

Model:

- Material: Stainless Steel 1.4404 (316L)
- Taper male thread R

R [inch]	PN [bar]	Code	SP	Weight [kg]	D [mm]	D1 [mm]	L [mm]	s [mm]	
3/8	16	724 600 705	10	0.052	24	22	30	19	
1/2	16	724 600 706	10	0.083	30	28	34	24	
3/4	16	724 600 707	10	0.125	39	36	36	32	
1	16	724 600 708	10	0.189	45	42	40	37	
1 1/4	16	724 600 709	10	0.356	57	53	46	48	
1 1/2	16	724 600 710	10	0.407	63	59	48	54	
2	16	724 600 711	10	0.668	78	74	55	69	



PF 2 30 153 999

Union end stainless steel Rp

Model:

- Material: Stainless Steel 1.4404 (316L)
- Parallel female thread Rp

Rp [inch]	PN [bar]	Code	SP	Weight [kg]	z [mm]	D [mm]	D1 [mm]	L [mm]	s [mm]	
3/8	16	724 600 655	10	0.030	9	24	22	19	19	
1/2	16	724 600 656	10	0.060	11	30	28	24	24	
3/4	16	724 600 657	10	0.092	11	39	36	26	29	
1	16	724 600 658	10	0.137	12	45	42	29	36	
1 1/4	16	724 600 659	10	0.226	14	57	53	33	45	
1 1/2	16	724 600 660	10	0.314	15	63	59	34	54	
2	16	724 600 661	45	0.438	15	78	74	39	63	

Flange adaptors

Flange adaptor PVC-C

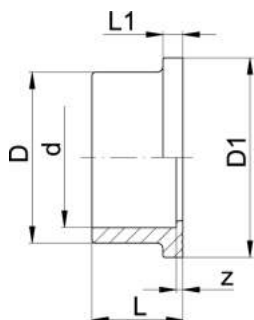
Combined jointing face flat and serrated metric

Model:

- Gasket: flat gasket EPDM code no. 748 400 306-320
- Flange: code no. 727 700 406-420, 727 700 206-220, 721 700 006-020
- Gasket: profile flange gasket EPDM code no. 748 440 706-720, FPM code no. 749 440 706-720

Note:

* bevel on pipe may be needed if used with butterfly valve type 037/038/039



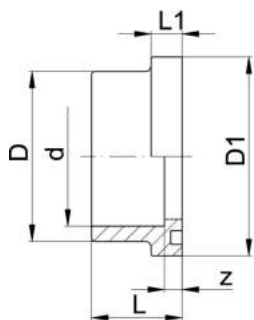
PF 2 32 450 006

	d [mm]	DN [mm]	PN [bar]	Code	SP	Weight [kg]	z [mm]	D [mm]	D1 [mm]	L [mm]	L1 [mm]	
	20	15	16	723 790 106	10	0.011	3	27	34	21	6	
	25	20	16	723 790 107	10	0.018	3	33	41	24	7	
	32	25	16	723 790 108	10	0.027	3	41	50	27	7	
	40	32	16	723 790 109	10	0.032	3	50	61	30	8	
	50	40	16	723 790 110	10	0.054	3	61	73	34	8	
	63	50	16	723 790 111	10	0.097	3	76	90	41	9	
	75	65	16	723 790 112	10	0.168	3	91	106	47	10	
	90	80	16	723 790 113	10	0.265	5	108	125	56	11	
	110	100	16	723 790 114	10	0.441	5	131	150	66	12	
*	160	150	16	723 790 117	12	1.139	5	188	213	91	16	
*	200	200	10	723 790 119	2	1.630	6	224	250	112	24	
	225	200	10	723 790 120	2	1.860	6	248	274	125	25	

Flange adaptor PVC-C with O-ring groove metric

Model:

- Counterpart: flange adaptor code no. 723 790 117, 723 790 120
- Gasket: O-ring EPDM code no. 748 410 019, 748 410 022; FPM code no. 749 410 019, 749 410 022
- Flange: code no. 727 700 406-420, 727 700 206-220, 721 700 006-020

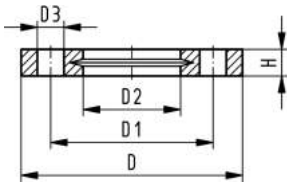
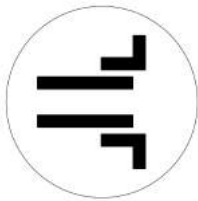


PF 2 32 450 030

d [mm]	PN [bar]	Code	SP	Weight [kg]	z [mm]	D [mm]	D1 [mm]	L [mm]	L1 [mm]	
160	16	723 810 117	12	1.252	11	188	213	97	22	
225	10	723 810 120	2	2.050	12	248	274	131	31	

Backing flanges

Backing flange PP-V For socket systems metric



¹⁾ Suitable for socket- and butt fusion systems (no pictograph on flange)

* Combined version, metric-ANSI

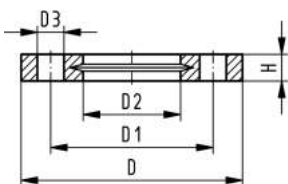
AL: number of holes

Model:

- UV-resistant. Applicable for outside applications
- With V-groove which applies force evenly on collar
- Connecting dimension: ISO 7005, EN 1092, BS 4504, DIN 2501
- **Bolt circle PN 10**
- Modern full-plastic flange PP-GF (30 % glass-fibre reinforced)
- With integrated bolt retainers as an assembly aid

	d [mm]	DN [mm]	PN [bar]	Code	PF	SP	Weight [kg]
	20	15	16	727 700 406	2 34 238 030	56	0.093
	25	20	16	727 700 407	2 34 238 030	38	0.120
	32	25	16	727 700 408	2 34 238 030	80	0.151
	40	32	16	727 700 409	2 34 238 030	40	0.244
	50	40	16	727 700 410	2 34 238 030	30	0.297
	63	50	16	727 700 411	2 34 238 030	25	0.362
	75	65	16	727 700 412	2 34 238 030	19	0.487
	90	80	16	727 700 413	2 34 238 030	15	0.550
	110	100	16	727 700 414	2 34 238 030	13	0.640
	140	125	16	727 700 416	2 34 238 030	10	0.781
	160	150	16	727 700 417	2 34 238 032		
*	200	200	16	727 700 419	2 34 238 032		
*	225	200	16	727 700 420	2 34 238 032		
	250	250	16	727 700 421	2 34 238 030	0	2.229

	d [mm]	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H [mm]	AL	SC
	20	95	65	28	14	16	4	M12
	25	105	75	34	14	17	4	M12
	32	115	85	42	14	18	4	M12
	40	140	100	51	18	20	4	M16
	50	150	110	62	18	22	4	M16
	63	165	125	78	18	24	4	M16
	75	185	145	92	18	26	4	M16
	90	200	160	110	18	27	8	M16
	110	220	180	133	18	28	8	M16
	140	250	210	167	18	30	8	M16
	160	285	241	190	22	32	8	M20
*	200	340	297	226	22	34	8	M20
*	225	340	297	250	22	34	8	M20
	250	395	350	277	22	38	12	M20



Backing flange PP-V For socket systems Inch ANSI

AL: number of holes

* Combined version, metric-ANSI

• 727701414, 727700417, 727700419: only for use with original metric flange adaptors

1) Suitable for socket- and butt fusion systems (no pictograph on flange)

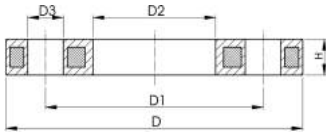
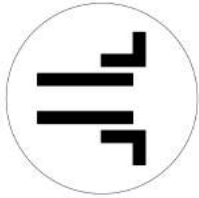
Model:

- UV-resistant. Applicable for outside applications
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759
- **Bolt circle class 150**
- Modern full-plastic flange PP-GF (30 % glass-fibre reinforced)
- With V-groove which applies force evenly on collar
- With integrated bolt-fixing as an assembly aid

	Size [inch]	DN [mm]	d [mm]	PN [bar]	Code	SP	Weight [kg]
1	1/2	15	20	16	727 701 406	56	0.091
1	3/4	20	25	16	727 701 407	38	0.120
1	1	25	32	16	727 701 408	80	0.147
1	1 1/4	32	40	16	727 701 409	40	0.246
1	1 1/2	40	50	16	727 701 410	30	0.299
1	2	50	63	16	727 701 411	25	0.361
1	2 1/2	65	75	16	727 701 412	19	0.492
	3	80	90	16	727 701 413	14	0.605
	4	100	110	16	727 701 414	12	0.704
	6	150	160	16	727 700 417		
*	8	200	200	16	727 700 419		
*	8	200	225	16	727 700 420		

	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H [mm]	AL	SC
1	95	60	28	16	16	4	M12
1	105	70	34	16	17	4	M12
1	115	79	42	16	18	4	M12
1	140	89	51	16	20	4	M16
1	150	98	62	16	22	4	M16
1	165	121	78	19	24	4	M16
1	185	140	92	19	26	4	M16
	200	152	110	19	27	4	M16
	229	190	133	19	28	8	M16
	285	241	190	22	32	8	M20
*	340	297	226	22	34	8	M20
*	340	297	250	22	34	8	M20

PF 2 34 238 032



Backing Flange PP-Steel for Socket Systems Inch/ANSI

- 727701214, 727700217: only for use with original metric flange adaptors
- AL: number of holes

Model:

- For Flange Adaptors BS/ANSI
- Material: PP (30% glass-fibre reinforced) with steel ring
- UV-resistant. Applicable for outside applications
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759
- **Bolt circle class 150**

d [inch]	d [mm]	Code	Weight [lb]	D1 [mm]	D2 [mm]	D3 [mm]	D [mm]	H [mm]	AL	SC	
1/2	20	727 701 206	0.470	60	28	16	95	12	4	M12	
3/4	25	727 701 207	0.573	70	34	16	105	12	4	M12	
1	32	727 701 208	0.917	79	42	16	115	16	4	M12	
1 1/4	40	727 701 209	1.609	89	51	16	140	16	4	M16	
1 1/2	50	727 701 210	1.784	98	62	16	150	18	4	M16	
2	63	727 701 211	1.909	121	78	19	165	18	4	M16	
2 1/2	75	727 701 212	2.463	140	92	19	185	18	4	M16	
3	90	727 701 213	3.289	152	110	19	200	20	4	M16	
4	110	727 701 214	3.737	190	133	19	229	20	8	M16	
6	160	727 700 217		240	190	22	285	24	8	M20	
8	225	727 701 220	9.861	298	250	22	340	27	8	M20	

PF 2 34 238 021

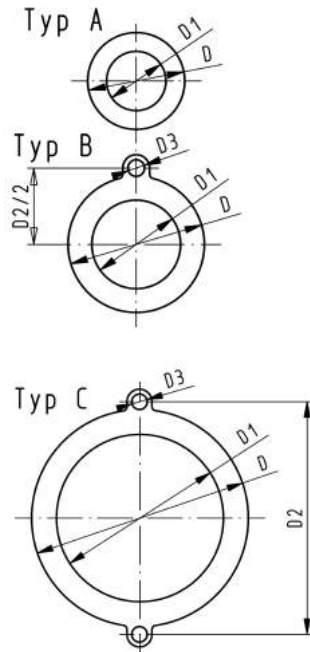
Seals

Flat gasket

Flat gasket

Model:

- For all metric GF Flange Adaptors
- Hardness approx. 65° Shore
- Integrated fixation aids from d110
- Centering on the inner diameter of the screw crown



di FA are the suitable inner diameters of flanges adaptors

d [mm]	DN [mm]	PN [bar]	Type	EPDM Code	SP	Weight [kg]	
16	10	10	A	748 400 305	0	0.004	
20	15	10	A	748 400 306	0	0.012	
25	20	10	A	748 400 307	0	0.004	
32	25	10	A	748 400 308	0	0.008	
40	32	10	A	748 400 309	0	0.013	
50	40	10	A	748 400 310	0	0.016	
63	50	10	A	748 400 311	0	0.018	
75	65	10	A	748 400 312	0	0.029	
90	80	10	A	748 400 313	0	0.035	
110	100	10	B	748 400 314	0	0.051	
125	100	10	B	748 400 315	0	0.044	
140	125	10	B	748 400 316	0	0.068	
160 - 180	150	10	B	748 400 317	0	0.090	
200	200	6	C	748 400 319	0	0.210	
225	200	6	C	748 400 320	0	0.140	

d [mm]	DN [mm]	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H [mm]	di FA [mm]	
16	10	46	16			2	6 - 26	
20	15	51	20			2	10 - 30	
25	20	61	25			2	15 - 35	
32	25	71	32			2	22 - 42	
40	32	82	40			3	30 - 50	
50	40	92	50			3	40 - 60	
63	50	107	63			3	53 - 73	
75	65	127	71			3	61 - 81	
90	80	142	84			3	74 - 94	
110	100	162	104	180	18	4	94 - 114	
125	100	162	119	180	18	4	109 - 129	
140	125	192	134	210	18	4	124 - 144	
160 - 180	150	218	155	241	22	4	145 - 165	
200	200	273	195	295	22	5	185 - 205	
225	200	273	216	295	22	5	206 - 226	

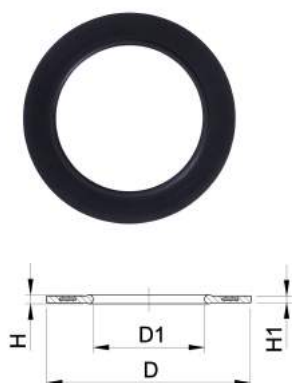
PF 2 30 162 003

Profiled gasket

Profile Flange Gasket, metric EPDM / FPM

Model:

- For all metric GF Flange Adaptors
- Profile Gasket with steel insert (type G-ST-P/K)
- Hardness: 70° Shore EPDM, 75° Shore FPM
- EPDM: approved acc. to DVGW W 270, KTW recommendation
- Centering on the inner diameter of the screw crown
- material steel insert: carbon steel



di FA are the suitable inner diameters of flanges adaptors

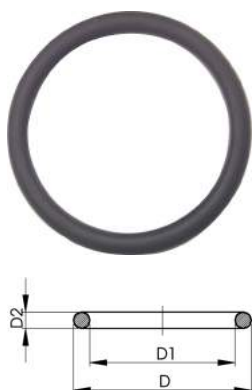
d [mm]	PN [bar]	DN [mm]	EPDM Code	FPM Code	Weight [kg]	D [mm]	D1 [mm]	H [mm]	H1 [mm]	di FA [mm]
16	16	10	748 440 705	749 440 705	0.012	46	16	4	3	6 - 16
20	16	15	748 440 706	749 440 706	0.013	51	20	4	3	10 - 20
25	16	20	748 440 707	749 440 707	0.014	61	22	4	3	12 - 22
32	16	25	748 440 708	749 440 708	0.019	71	28	4	3	18 - 28
40	16	32	748 440 709	749 440 709	0.026	82	40	4	3	30 - 40
50	16	40	748 440 710	749 440 710	0.039	92	46	4	3	36 - 46
63	16	50	748 440 711	749 440 711	0.050	107	58	5	4	48 - 58
75	16	65	748 440 712	749 440 712	0.082	127	69	5	4	59 - 69
90	16	80	748 440 713	749 440 713	0.083	142	84	5	4	73 - 84
110	16	100	748 440 714	749 440 714	0.127	162	104	6	5	94 - 104
125	16	100	748 440 715	749 440 715	0.105	162	123	6	5	113 - 123
140	16	125	748 440 716	749 440 716	0.173	192	137	6	5	127 - 137
160 - 180	16	150	748 440 717	749 440 717	0.207	218	160	8	6	150 - 160
200	16	200	748 440 719	749 440 719	0.263	273	203	8	6	192 - 203
225	16	200	748 440 720	749 440 720	0.255	273	220	8	6	207 - 220

PF 2 30 162 037

O-Ring gasket

Model:

- For Flange Adaptors
- Hardness approx. 65° Shore



d [mm]	DN [mm]	EPDM Code	SP	Weight [kg]	FPM Code	SP	Weight [kg]
160	150	748 410 019	200	0.025	749 410 019	200	0.044
225	200	748 410 022	100	0.034	749 410 022	150	0.060

d [mm]	D [mm]	D1 [mm]	D2 [mm]	closest inch [inch]
160	191	177	6.99	6
225	255	241	6.99	8

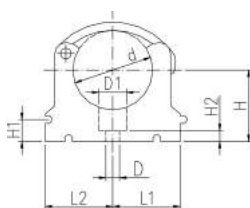
PF 2 31 800 999

Pipe clips metric

KLIP-IT pipe clip type 061 PP metric

Model:

- Material: Clip and safety clip PP black, UV resistant, bolts galvanized
- d16 - d63: Height designed for Ball Valve Type 546 and 543
- **Minimum order quantity: standard packagings SP**



	d [inch]	d [mm]	Code	SP	Weight [kg]
*		10	167 061 003	10	0.003
*		12	167 061 004	10	0.003
*		16	167 061 035	1	0.007
		20	167 061 036	1	0.007
		25	167 061 037	10	0.009
*		32	167 061 038	10	0.012
		40	167 061 039	10	0.027
		50	167 061 040	10	0.031
		63	167 061 041	10	0.052
	2 ½	75	167 061 012	10	0.057
	3	90	167 061 013	10	0.092
	4	110	167 061 014	10	0.117
		125	167 061 015	10	0.180
	5	140	167 061 016	10	0.224
		160	167 061 017	10	0.242

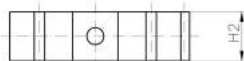
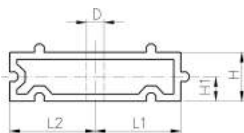
	H1 [mm]	H3 [mm]	closest inch [inch]	D1 [mm]	HoH +/- 2mm [mm]	L1 [mm]	D [mm]	H [mm]	L2 [mm]	H2 [mm]	SC
*	10	12	½	8		11	5	20	14	6	M4
*	10	12	¼	8		11	5	21	14	6	M5
*	10	16	¾	11	17	14	6	27	17	6	M5
	10	16	½	11	21	17	6	27	19	6	M5
	10	16	¾	11	27	19	6	30	22	6	M5
*	10	16	1	11	37	24	6	36	27	6	M5
	10	22	1 ¼	14	44	34	7	44	34	7	M6
	10	22	1 ½	14	52	37	7	51	37	7	M6
	10	25	2	17	67	45	9	64	45	10	M8
	10	25	2 ½	17		52	9	58	52	10	M8
	10	28	3	17		65	9	65	65	10	M8
	10	28	4	17		79	9	75	79	10	M8
	10	32		17		88	9	90	88	10	M8
	10	32	5	17		98	9	110	98	10	M8
	10	32	6	17		109	9	108	109	10	M8

PF 2 30 162 023

KLIP-IT spacer type 061 PP

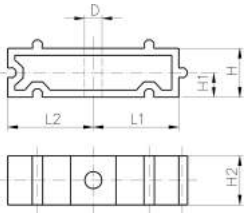
Model:

- For pipe clips Type 061/061H, PP black, UV resistant
- **Minimum order quantity: standard packaging SP**



Inch [inch]	d [mm]	Code	SP	Weight [kg]
⅛ - ¼	10 - 12	167 061 153	10	0.003
⅜	16	167 061 155	10	0.005
½	20	167 061 156	10	0.005
¾	25	167 061 157	10	0.007
1	32	167 061 158	10	0.006
1 ¼	40	167 061 159	10	0.015
1 ½	50	167 061 160	10	0.017
2	63	167 061 161	10	0.020
2 ½	75	167 061 162	10	0.027
3	90	167 061 163	10	0.039
4	110	167 061 164	10	0.048
4 ½	125	167 061 165	10	0.059
5	140	167 061 166	10	0.065
6	160	167 061 167	10	0.071

table continued next page



PF 2 30 162 023

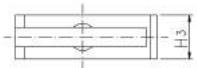
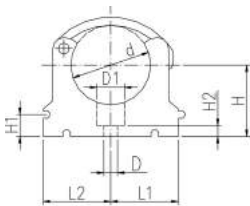
HoH +/- 2mm [mm]	D [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	SC	
1.0	5	11	14	20	10	12	M4	
17.0	6	14	17	20	10	16	M5	
21.4	6	17	19	20	10	16	M5	
26.9	6	19	22	20	10	16	M5	
36.7	6	24	27	20	10	16	M5	
44.4	7	34	34	20	10	22	M6	
52.3	7	37	37	20	10	22	M6	
66.7	9	45	45	20	10	25	M8	
81.2	9	52	52	20	10	25	M8	
100.0	9	65	65	20	10	28	M8	
127.3	9	79	79	20	10	28	M8	
142.9	9	88	88	20	10	32	M8	
161.4	9	98	98	20	10	32	M8	
185.1	9	109	109	20	10	32	M8	

KLIP-IT pipe clip type 061 PE metric

- Height not designed for ball valve 546 and 543. Please use spacer 73 06 11.

Model:

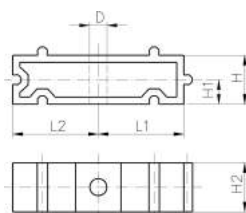
- Material: Clip PE and safety clip PP black, bolts galvanized
- **Minimum order quantity: standard packaging SP**



	d [mm]	Code	SP	Weight [kg]	
*	10	173 061 003	10	0.003	
*	12	173 061 004	10	0.006	
*	16	173 061 005	10	0.006	
*	20	173 061 006	10	0.007	
*	25	173 061 007	10	0.009	
*	32	173 061 008	10	0.011	
	40	173 061 009	10	0.026	
	50	173 061 010	10	0.028	
	63	173 061 011	10	0.047	
	75	173 061 012	10	0.061	
	90	173 061 013	10	0.098	
	110	173 061 014	10	0.125	
	125	173 061 015	10	0.194	
	140	173 061 016	10	0.243	
	160	173 061 017	10	0.254	

	HoH +/- 2mm [mm]	D1 [mm]	D [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	SC	
*	1	8	5	11	14	20	10	6	12	M4	
*	1	8	5	11	14	21	10	6	12	M5	
*	17	11	6	14	17	23	10	6	16	M5	
*	21	11	6	17	19	25	10	6	16	M5	
*	27	11	6	19	22	28	10	6	16	M5	
*	37	11	6	24	27	31	10	6	16	M5	
	44	14	7	34	34	35	10	7	22	M6	
	52	14	7	37	37	40	10	7	22	M6	
	67	17	9	45	45	52	10	10	25	M8	
	81	17	9	52	52	58	10	10	25	M8	
	100	17	9	65	65	65	10	10	28	M8	
	127	17	9	79	79	75	10	10	28	M8	
	143	17	9	88	88	90	10	10	32	M8	
	161	17	9	98	98	110	10	10	32	M8	
	185	17	9	109	109	108	10	10	32	M8	

PF 2 30 162 026



KLIP-IT spacer type 061 PE

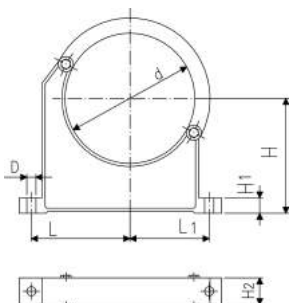
Model:

- Minimum order quantity: standard packaging SP
- For pipe clips Type 061, PE black, UV resistant

d [mm]	Inch [inch]	Code	SP	Weight [kg]	
16	1/8-1/4	173 061 153	10	0.003	
20	3/8	173 061 155	10	0.005	
25	1/2	173 061 156	10	0.005	
32	3/4	173 061 157	10	0.006	
40	1	173 061 158	10	0.008	
50	1 1/4	173 061 159	10	0.016	
63	1 1/2	173 061 160	10	0.017	
75	2	173 061 161	10	0.025	
90	2 1/2	173 061 162	10	0.027	
110	3	173 061 163	10	0.040	
125	4	173 061 164	10	0.050	
140	4 1/2	173 061 165	10	0.059	
160	5	173 061 166	10	0.065	
	6	173 061 167	10	0.078	

HoH +/- 2mm [mm]	D [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	SC	
17	5	11	14	20	10	12	M4	
21	6	14	17	20	10	16	M5	
27	6	17	19	20	10	16	M5	
37	6	19	22	20	10	16	M5	
44	6	24	27	20	10	16	M5	
52	7	34	34	20	10	22	M6	
67	7	37	37	20	10	22	M6	
81	9	45	45	20	10	25	M8	
100	9	52	52	20	10	25	M8	
127	9	65	65	20	10	28	M8	
143	9	79	79	20	10	28	M8	
	9	88	88	20	10	32	M8	
185	9	98	98	20	10	32	M8	
	9	109	109	20	10	32	M8	

PF 2 30 162 026



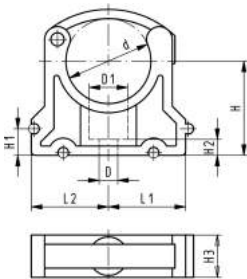
Pipe clip type 060 PP metric

Model:

- Material: Clip and safety clip PP black, UV resistant, bolts galvanized
- Minimum order quantity: standard packaging SP or gross packaging GP
- Accidental opening of the safety clip is not possible
- Clip and safety clip are not assembled in the packaging.
- Pipes with flanges can be installed directly

d [inch]	d [mm]	Code	SP	Weight [kg]	closest inch [inch]	D [mm]	L [mm]	L1 [mm]	H [mm]	H1 [mm]	H2 [mm]	SC	
3	90	167 060 038	10	0.144	3	9	89	71	105	15	33	M 8	
	110	167 060 039	10	0.158	4	9	94	80	115	15	33	M 8	
	125	167 060 040	10	0.249		11	116	91	130	20	35	M10	
5	140	167 060 041	10	0.260	5	11	121	98	130	20	35	M10	
	160	167 060 042	10	0.296	6	11	131	107	148	20	35	M10	
	180	167 060 043	10	0.327	7	11	143	115	163	20	35	M10	
	200	167 060 019	5	0.539	8	13	152	120	175	25	39	M12	
	225	167 060 020	5	0.178	8	13	165	132	175	25	39	M12	
	250	167 060 021	5	0.657	9	13	183	143	200	25	39	M12	
	280	167 060 022	5	0.212	10	13	198	156	200	25	39	M12	
	315	167 060 023	5	0.805	12	13	219	172	225	25	39	M12	
	355	167 060 024	5	1.251	14	17	275	209	258	30	50	M16	
	400	167 060 025	4	1.031	16	17	300	228	288	30	50	M16	

PF 2 30 162 023



PF 2 30 162 023

KLIP-IT pipe clip type 061H PP metric

- * d16 to d32 without bracket
- d16 - d63: height designed for Ball Valve Type 546 und 543

Model:

- Material: Clip and safety clip PP black, UV resistant, bolts galvanized
- **Minimum order quantity: standard packagings SP**

	d [mm]	Code	SP	Weight [kg]									
*	16	167 061 035	1	0.007									
	20	167 061 036	1	0.007									
	25	167 061 037	10	0.009									
*	32	167 061 038	10	0.012									
	40	167 061 039	10	0.027									
	50	167 061 040	10	0.031									
	63	167 061 041	10	0.052									
	d [mm]	HoH +/- 2mm [mm]	closest inch [inch]	D1 [mm]	D [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	SC	
*	16	17	$\frac{3}{8}$	11	6	14	17	27	10	6	16	M5	
	20	21	$\frac{1}{2}$	11	6	17	19	27	10	6	16	M5	
	25	27	$\frac{3}{4}$	11	6	19	22	30	10	6	16	M5	
*	32	37	1	11	6	24	27	36	10	6	16	M5	
	40	44	$1 \frac{1}{4}$	14	7	34	34	44	10	7	22	M6	
	50	52	$1 \frac{1}{2}$	14	7	37	37	51	10	7	22	M6	
	63	67	2	17	9	45	45	64	10	10	25	M8	