

Product range

SYGEF ECTFE

Beyond endurance



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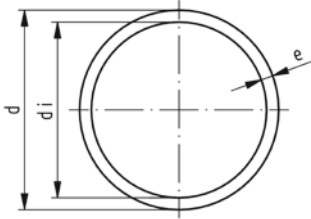
SYGEF ECTFE Pipes



SYGEF ECTFE Pipe SDR21/PN10

Model:

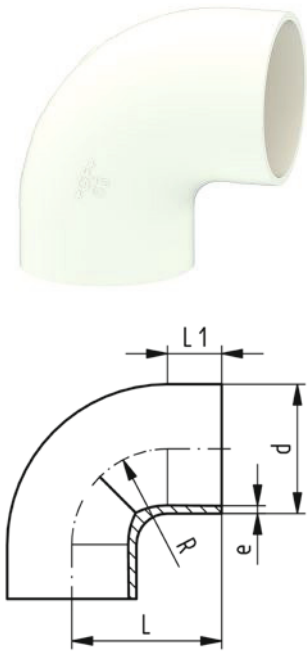
- Material: ECTFE
- Length: Lengths of 5 m



d (mm)	PN (bar)	FM	Code	Weight (kg)	e (mm)	di (mm)
20	10	IR	177 480 106	0.182	1.9	16.2
25	10	IR	177 480 107	0.232	1.9	21.2
32	10	IR	177 480 108	0.375	2.4	27.2
40	10	IR	177 480 109	0.476	2.4	35.2
50	10	IR	177 480 110	0.744	3.0	44.0
63	10	IR	177 480 111	0.950	3.0	57.0
75	10	IR	177 480 112	1.357	3.6	67.8
90	10	IR	177 480 113	1.945	4.3	81.4
110	10	IR	177 480 114	2.929	5.3	99.4

SYGEF ECTFE Fittings

SYGEF ECTFE Bend 90° SDR21/PN10

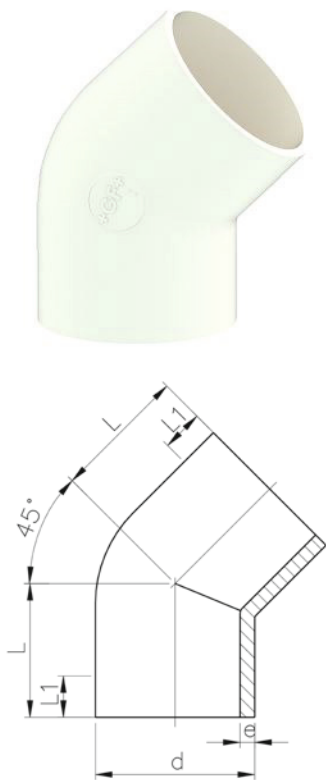


Model:

- Material: ECTFE

d (mm)	PN (bar)	FM	Code	Weight (kg)	L (mm)	L1 (mm)	R (mm)	e (mm)
20	10	IR	737 018 106	0.016	38	23	15	1.9
25	10	IR	737 018 107	0.022	42	23	19	1.9
32	10	IR	737 018 108	0.038	46	22	24	2.4
40	10	IR	737 018 109	0.055	51	21	30	2.4
50	10	IR	737 018 110	0.095	58	21	37	3.0
63	10	IR	737 018 111	0.137	66	21	45	3.0
75	10	IR	737 018 112	0.243	75	23	62	3.6
90	10	IR	737 018 113	0.423	90	23	77	4.3
110	10	IR	737 018 114	0.705	110	23	98	5.3

SYGEF ECTFE Elbow 45° SDR21/PN10



Model:

- Material: ECTFE

d (mm)	PN (bar)	FM	Code	Weight (kg)	L (mm)	L1 (mm)	e (mm)
20	10	IR	737 158 106	0.014	32	25	1.9
25	10	IR	737 158 107	0.019	34	26	1.9
32	10	IR	737 158 108	0.033	36	26	2.4
40	10	IR	737 158 109	0.042	39	28	2.4
50	10	IR	737 158 110	0.084	42	30	3.0
63	10	IR	737 158 111	0.121	47	31	3.0
75	10	IR	737 158 112	0.160	49	32	3.6
90	10	IR	737 158 113	0.271	57	37	4.3
110	10	IR	737 158 114	0.499	70	46	5.3

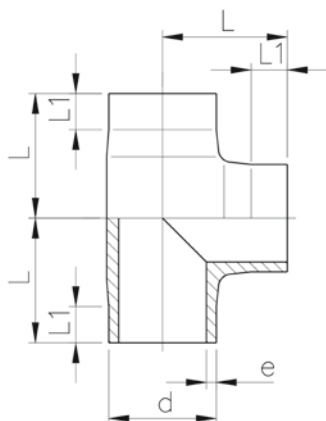
SYGEF ECTFE Tee 90° equal SDR21/PN10



Model:

- Material: ECTFE

d (mm)	PN (bar)	FM	Code	Weight (kg)	L (mm)	L1 (mm)	e (mm)
20	10	IR	737 208 106	0.023	38	25	1.9
25	10	IR	737 208 107	0.032	42	27	1.9
32	10	IR	737 208 108	0.056	46	27	2.4
40	10	IR	737 208 109	0.083	51	28	2.4
50	10	IR	737 208 110	0.156	58	28	3.0
63	10	IR	737 208 111	0.270	66	28	3.0
75	10	IR	737 208 112	0.336	75	32	3.6
90	10	IR	737 208 113	0.587	90	39	4.3
110	10	IR	737 208 114	1.054	110	48	5.3



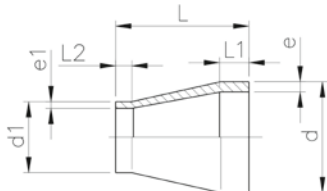
SYGEF ECTFE Reducer SDR21/PN10



Model:

- Material: ECTFE

d (mm)	PN (bar)	FM	Code	Weight (kg)	d1 (mm)	L (mm)	L1 (mm)	L2 (mm)	e (mm)	e1 (mm)
25	10	IR	737 908 107	0.013	20	50	22	22	1.9	1.9
32	10	IR	737 908 108	0.016	20	50	22	22	2.4	1.9
32	10	IR	737 908 118	0.017	25	50	22	22	2.4	1.9
40	10	IR	737 908 109	0.023	20	58	22	24	2.4	1.9
40	10	IR	737 908 119	0.022	25	55	22	24	2.4	1.9
40	10	IR	737 908 129	0.026	32	55	22	24	2.4	2.4
50	10	IR	737 908 110	0.034	25	60	22	25	3.0	1.9
50	10	IR	737 908 120	0.040	32	60	22	25	3.0	2.4
50	10	IR	737 908 130	0.039	40	60	22	25	3.0	2.4
63	10	IR	737 908 111	0.050	32	65	22	25	3.0	2.4
63	10	IR	737 908 121	0.052	40	65	22	25	3.0	2.4
63	10	IR	737 908 131	0.059	50	65	22	25	3.0	3.0
75	10	IR	737 908 112	0.078	40	68	24	25	3.6	2.4
75	10	IR	737 908 122	0.078	50	65	24	25	3.6	3.0
75	10	IR	737 908 132	0.082	63	65	24	25	3.6	3.0
90	10	IR	737 908 113	0.123	63	75	25	30	4.3	3.0
90	10	IR	737 908 123	0.136	75	75	25	35	4.3	3.6
110	10	IR	737 908 114	0.218	63	90	30	30	5.3	3.0
110	10	IR	737 908 124	0.224	75	90	30	35	5.3	3.6
110	10	IR	737 908 134	0.242	90	90	30	35	5.3	4.3

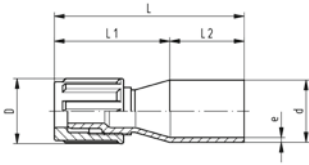




SYGEF ECTFE Flare transition fitting SDR21/PN10

Model:

- Material: ECTFE



d	tube size	PN	FM	Code	Weight	L	L1	L2	D	e
(mm)	(inch)	(bar)			(kg)	(mm)	(mm)	(mm)	(mm)	(mm)
20	¾	10	IR	737 598 106	0.028	75	45	30	20	1.9
20	¾	10	IR	737 598 116	0.022	76	46	30	23	1.9
20	½	10	IR	737 598 126	0.034	76	46	30	26	1.9
20	¾	10	IR	737 598 136	0.043	78	48	30	34	1.9
25	¾	10	IR	737 598 107	0.033	75	45	30	20	1.9
25	¾	10	IR	737 598 117	0.025	76	46	30	23	1.9
25	½	10	IR	737 598 127	0.028	76	46	30	26	1.9
25	¾	10	IR	737 598 137	0.048	78	48	30	34	1.9
25	1	10	IR	737 598 147	0.049	87	57	30	46	1.9
32	½	10	IR	737 598 128	0.036	76	46	30	26	2.4
32	¾	10	IR	737 598 138	0.050	78	48	30	34	2.4
32	1	10	IR	737 598 148	0.050	87	57	30	46	2.4



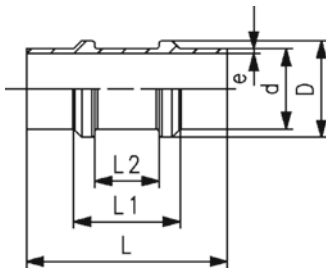
SYGEF ECTFE Fixpoint fitting SDR21/PN10

Model:

- Material: ECTFE

Note:

*machined from semifinished product



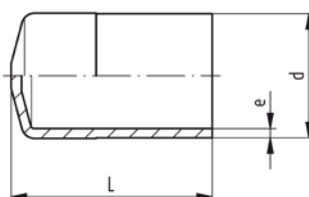
d	PN	FM	Code	Weight	L	L1	L2	D	e
(mm)	(bar)			(kg)	(mm)	(mm)	(mm)	(mm)	(mm)
* 20	10	IR	737 918 606	0.026	100	53	32	28	1.9
* 25	10	IR	737 918 607	0.034	100	53	32	33	1.9
* 32	10	IR	737 918 608	0.051	100	53	32	40	2.4
* 40	10	IR	737 918 609	0.063	100	53	32	48	2.4
* 50	10	IR	737 918 610	0.119	100	53	32	58	3.0
* 63	10	IR	737 918 611	0.124	105	53	32	71	3.0
* 75	10	IR	737 918 612	0.240	125	70	40	87	3.6
90	10	IR	737 918 113	0.335	126	71	40	105	4.3
110	10	IR	737 918 114	0.488	126	71	40	127	5.3



SYGEF ECTFE End cap SDR21/PN10

Model:

- Material: ECTFE



d	PN	FM	Code	Weight	L	e
(mm)	(bar)			(kg)	(mm)	(mm)
20	10	IR	737 968 106	0.009	47	1.9
25	10	IR	737 968 107	0.012	47	1.9
32	10	IR	737 968 108	0.022	52	2.4
40	10	IR	737 968 109	0.032	55	2.4
50	10	IR	737 968 110	0.054	59	3.0
63	10	IR	737 968 111	0.083	66	3.0
75	10	IR	737 968 112	0.124	66	3.6
90	10	IR	737 968 113	0.205	74	4.3
110	10	IR	737 968 114	0.349	80	5.3

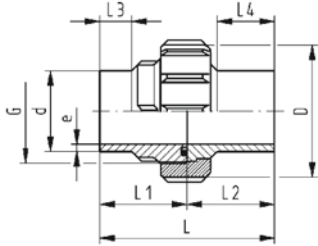
SYGEF ECTFE Unions and O-Rings



SYGEF ECTFE Union SDR21/PN10 Standard O-ring positioning FKM black

Model:

- Material: ECTFE
- O-Ring: FKM black; FFKM on request



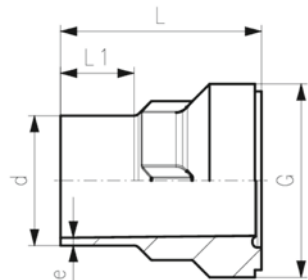
d	PN	FM	Code	Weight	L	L1	L2	L3	L4	G	D	e
(mm)	(bar)			(kg)	(mm)	(mm)	(mm)	(mm)	(mm)	(inch)	(mm)	(mm)
20	10	IR	737 528 206	0.082	106	53	53	24	37	1	43	1.9
25	10	IR	737 528 207	0.123	112	56	56	24	38	1 ¼	53	1.9
32	10	IR	737 528 208	0.166	118	59	59	24	40	1 ½	60	2.4
40	10	IR	737 528 209	0.263	124	62	62	24	41	2	74	2.4
50	10	IR	737 528 210	0.372	130	65	65	24	43	2 ¼	82	3.0
63	10	IR	737 528 211	0.463	136	68	68	24	44	2 ¾	100	3.0



SYGEF ECTFE union bush Type I SDR21/PN10 gap filling O-ring positioning

Model:

- Material: ECTFE
- gap filling O-ring positioning
- suitable for SYGEF ECTFE union



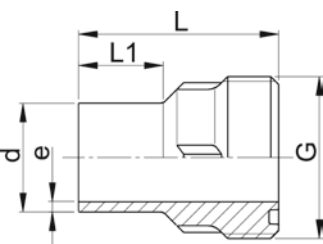
d	PN	FM	Code	Weight	L	L1	G	e
(mm)	(bar)			(kg)	(mm)	(mm)	(inch)	(mm)
20	10	IR	737 648 106	0.024	53	25	1	1.9
25	10	IR	737 648 107	0.038	56	25	1 ¼	1.9
32	10	IR	737 648 108	0.056	59	25	1 ½	2.4
40	10	IR	737 648 109	0.082	62	25	2	2.4
50	10	IR	737 648 110	0.113	65	25	2 ¼	3.0
63	10	IR	737 648 111	0.168	68	25	2 ¾	3.0



SYGEF ECTFE Union bush Type II SDR21/PN10

Model:

- Material: ECTFE
- Suitable for SYGEF ECTFE Union



d	PN	FM	Code	Weight	L	L1	G	e
(mm)	(bar)			(kg)	(mm)	(mm)	(inch)	(mm)
20	10	IR	737 648 206	0.024	53	25	1	1.9
25	10	IR	737 648 207	0.041	56	25	1 ¼	1.9
32	10	IR	737 648 208	0.056	59	25	1 ½	2.4
40	10	IR	737 648 209	0.089	62	25	2	2.4
50	10	IR	737 648 210	0.116	65	25	2 ¼	3.0
63	10	IR	737 648 211	0.172	68	25	2 ¾	3.0



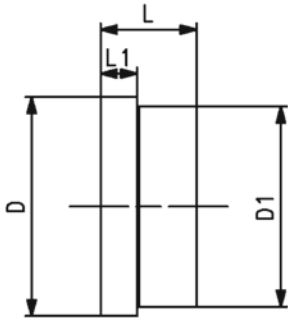
**SYGEF ECTFE Union end blank
SDR21/PN10**

Model:

- Material: ECTFE

Note:

machined from semifinished product
Prefabricated Rp/NPT threads on request



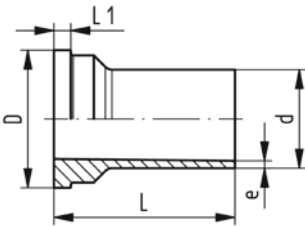
d (mm)	PN (bar)	FM	Code	Weight (kg)	*max. Thread (inch)	L (mm)	L1 (mm)	D (mm)	D1 (mm)
20	10	IR	737 600 106	0.026	¼	13	5	30	28
25	10	IR	737 600 107	0.014	⅜	17	5	39	36
32	10	IR	737 600 108	0.030	½	21	6	45	42
40	10	IR	737 600 109	0.050	⅝	23	7	57	53
50	10	IR	737 600 110	0.088	¾	26	8	63	59
63	10	IR	737 600 111	0.124	1	33	8	78	74



**SYGEF ECTFE Union end
SDR21/PN10**

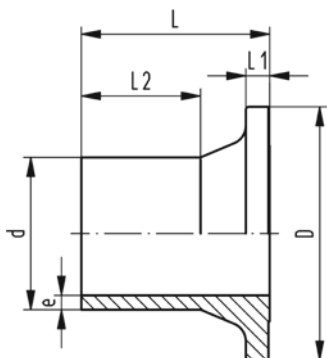
Model:

- Material: ECTFE
- suitable for SYGEF ECTFE union



d (mm)	PN (bar)	FM	Code	Weight (kg)	L (mm)	L1 (mm)	D (mm)	e (mm)
20	10	IR	737 608 106	0.020	53	5	30	1.9
25	10	IR	737 608 107	0.030	56	5	39	1.9
32	10	IR	737 608 108	0.044	59	6	45	2.4
40	10	IR	737 608 109	0.069	62	6	57	2.4
50	10	IR	737 608 110	0.083	65	7	63	3.0
63	10	IR	737 608 111	0.130	68	8	78	3.0

SYGEF ECTFE Valve end SDR21/PN10

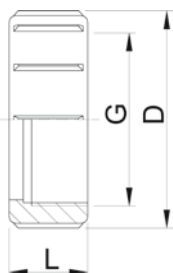


Model:

- Material: ECTFE
- Suitable for ball valves 546 Pro and 543 Pro

d (mm)	DN (mm)	PN (bar)	FM	Code	Weight (kg)	L (mm)	L1 (mm)	L2 (mm)	D (mm)	e (mm)
20	15	10	IR	177 483 048	0.019	52	4	35	38	1.9
25	20	10	IR	177 483 049	0.026	54	5	35	44	1.9
32	25	10	IR	177 483 050	0.043	56	5	35	53	2.4
40	32	10	IR	177 483 051	0.065	67	5	45	65	2.4
50	40	10	IR	177 483 052	0.100	68	6	45	77	3.0
63	50	10	IR	177 483 053	0.150	71	7	45	99	3.0
75	65	10	IR	177 483 054	0.348	65	9	40	125	3.6
90	80	10	IR	177 483 055	0.507	62	10	31	150	4.3
110	100	10	IR	177 483 056	0.820	69	11	37	180	5.3

SYGEF ECTFE Union nut SDR21/PN10

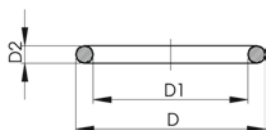


Model:

- Material: ECTFE

d (mm)	PN (bar)	Code	Weight (kg)	L (mm)	D (mm)	G (inch)
20	10	737 690 106	0.023	22	43	1
25	10	737 690 107	0.034	24	53	1 ¼
32	10	737 690 108	0.045	26	60	1 ½
40	10	737 690 109	0.070	29	74	2
50	10	737 690 110	0.100	33	82	2 ¼
63	10	737 690 111	0.151	35	100	2 ¾

O-ring EPDM/FKM

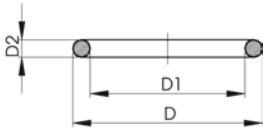


Model:

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

* For unions PVC-U, PVC-C and ABS: 21 51 01, 21 51 11, 21 53 03, 21 53 08, 21 55 04, 21 55 13, 21 55 18, 23 51 01 and 29 51 01 only

d (mm)	DN (mm)	EPDM Code	Weight (kg)	FKM Code	Weight (kg)
10 - 12	8	748 410 004	0.002	749 410 004	0.020
	16	748 410 005	0.002	749 410 005	0.002
	20	748 410 006	0.002	749 410 006	0.002



d (mm)	DN (mm)	EPDM Code	Weight (kg)	FKM Code	Weight (kg)
25	20	748 410 007	0.002	749 410 007	0.002
32	25	748 410 008	0.003	749 410 008	0.002
40	32	748 410 009	0.003	749 410 009	0.007
50	40	748 410 010	0.004	749 410 010	0.060
63	50	748 410 011	0.005	749 410 011	0.003
*	90			749 410 248	0.020

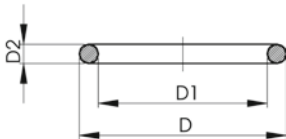
d (mm)	D (mm)	D1 (mm)	D2 (mm)	closest inch (inch)
10 - 12	17.62	12.37	2.62	¼
16	20.78	15.54	2.62	⅜
20	27.28	20.22	3.53	½
25	35.23	28.17	3.53	¾
32	39.99	32.93	3.53	1
40	51.33	40.65	5.34	1 ¼
50	57.68	46.99	5.34	1 ½
63	70.37	59.69	5.34	2
*	90	105.30	5.34	3



O-ring FKM white
For unions with gap filling O-ring positioning
High Purity clean-room product ISO Class 5 (100)

Model:

- For unions with gap filling O-ring position
- Hardness approx. 65° Shore
- FKM white min. temperature -15°C



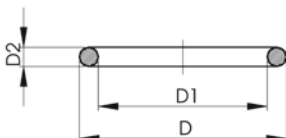
d (mm)	FKM Code	Weight (kg)	D (mm)	D1 (mm)	D2 (mm)
20	749 411 005	0.002	20.6	15.5	2.62
25	749 411 006	0.002	27.3	20.2	3.53
32	749 411 120	0.002	33.6	26.6	3.53
40	749 411 062	0.002	41.6	34.5	3.53
50	749 411 172	0.003	51.1	44.0	3.53
63	749 411 054	0.003	63.0	55.0	4.00



O-Ring Gaskets

Model:

- For unions and adaptor unions
- Hardness approx. 75° shore
- FFKM minimum temperature -20°C



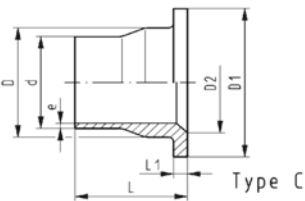
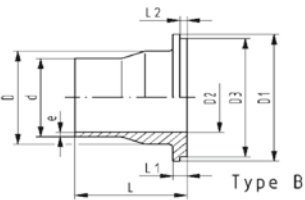
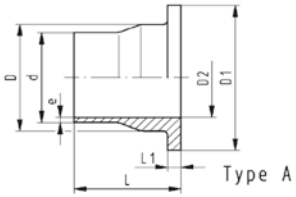
d (mm)	DN (mm)	FFKM Code	SP	Weight (kg)	D1 (mm)	D2 (mm)	D (mm)
20	15	700 245 481	1	0.002	20	3.53	27
25	20	700 245 482	1	0.002	28	3.53	35
32	25	700 245 483	1	0.002	33	3.53	40
40	32	700 245 484	1	0.006	41	5.33	51
50	40	700 245 485	1	0.007	47	5.33	58
63	50	700 245 486	1	0.010	60	5.33	70

SYGEF ECTFE Flange Adaptors, Flanges and Gaskets

SYGEF ECTFE Flange adaptor ISO SDR21/PN10 Jointing face serrated

Model:

- Material: ECTFE



d (mm)	DN (mm)	PN (bar)	FM	Type	Code	Weight (kg)
20	15	10	IR	A	737 798 106	0.029
25	20	10	IR	B	737 798 107	0.044
32	25	10	IR	B	737 798 108	0.066
40	32	10	IR	B	737 798 109	0.096
50	40	10	IR	B	737 798 110	0.146
63	50	10	IR	A	737 798 111	0.215
75	65	10	IR	A	737 798 112	0.325
90	80	10	IR	B	737 798 113	0.397
110	100	10	IR	C	737 798 114	0.573

L (mm)	L1 (mm)	L2 (mm)	D (mm)	D1 (mm)	D2 (mm)	D3 (mm)	e (mm)
54	6	53	26	45	15		1.9
56	7	4	32	58	20	54	1.9
58	7	4	40	68	26	63	2.4
68	8	4	49	78	34	73	2.4
69	8	4	60	88	43	82	3.0
72	9		75	102	56		3.0
80	10		89	122	66		3.6
81	12	4	105	138	78	133	4.3
81	13		125	158	100		5.3

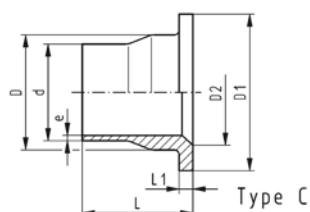
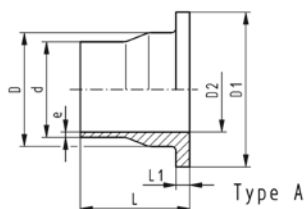
**SYGEF ECTFE Flange adaptor ANSI
SDR21/PN10 Jointing face serrated**



Model:

- Material: ECTFE

d (mm)	d (inch)	DN (mm)	PN (bar)	FM	Type	Code	Weight (kg)	L (mm)	L1 (mm)	D (mm)	D1 (mm)	D2 (mm)	e (mm)
25	¾	20	10	IR	A	737 798 157	0.043	56	7	32	54	20	1.9
32	1	25	10	IR	A	737 798 158	0.063	58	7	40	63	26	2.4
40	1 ¼	32	10	IR	A	737 798 159	0.089	68	8	49	72	34	2.4
50	1 ½	40	10	IR	A	737 798 160	0.140	69	8	60	82	43	3.0
90	3	80	10	IR	A	737 798 163	0.389	81	12	105	138	78	4.3



Flanges PP-Steel

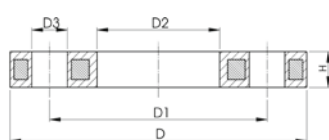
Model:

- Material: PP (30% glass-fibre reinforced) with steel ring
- Metric: ISO 7005, EN 1092, ISO 9624
- ASME: ANSI/ASME B 16.5 class 150, ASTM D4024, BS 1560, BS EN 1759
- Special flange adaptor ANSI for d25 - d50 and d90 required

AL: number of holes

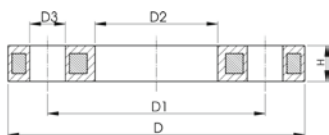
* FM 1613 approved - 15 bar

** Profiled loose flange



d (mm)	DN (mm)	D (mm)	PN (bar)	Standard	Bolt / circle	Design	Code	Weight (kg)
20	15	95	16	Metric	PN10	Butt/Socket	727 700 206	0.216
25	20	105	16	Metric	PN10	Butt/Socket	727 700 207	0.279
32	25	115	16	Metric	PN10	Butt/Socket	727 700 208	0.429
40	32	140	16	Metric	PN10	Butt/Socket	727 700 209	0.621
50	40	150	16	Metric	PN10	Butt/Socket	727 700 210	0.722
63	50	165	16	Metric	PN10	Butt/Socket	727 700 211	0.900
75	65	185	16	Metric	PN10	Butt/Socket	727 700 212	1.110
*	90	200	16	Metric	PN10	Butt	724 700 313	1.390
	90	200	16	Metric	PN10	Butt	727 700 313	1.390
*	110	100	223	16	Metric	Butt	724 700 314	1.407
	110	100	220	16	Metric	Butt	727 700 314	1.407

d (mm)	D1 (mm)	D2 (mm)	D3 (mm)	H max. (mm)	AL	SC
20	65	28	14	12	4	M12
25	75	34	14	12	4	M12
32	85	42	14	16	4	M12
40	100	51	18	16	4	M16
50	110	62	18	20	4	M16
63	125	78	18	20	4	M16
75	145	92	18	20	4	M16



	d (mm)	D1 (mm)	D2 (mm)	D3 (mm)	H max. (mm)	AL	SC
*	90	160	108	18	20	8	M16
	90	160	108	18	20	8	M16
*	110	180	128	18	20	8	M16
	110	180	128	18	20	8	M16



Flanges PP-Steel

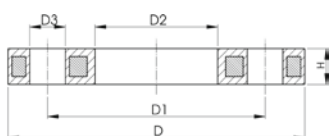
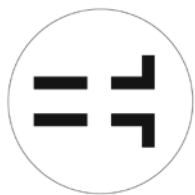
Model:

- Material: PP (30% glass-fibre reinforced) with steel ring
- Metric: ISO 7005, EN 1092, ISO 9624
- ASME: ANSI/ASME B 16.5 class 150, ASTM D4024, BS 1560, BS EN 1759
- Special flange adapter ANSI for d25 - d50 and d90 required

AL: number of holes

* FM 1613 approved - 15 bar

** Profiled loose flange



d (mm)	DN (mm)	D (mm)	PN (bar)	Standard	Bolt / circle	Design	Code	Weight (kg)
20	15	95	16	ASME	class 150	Butt/Socket	727 701 206	0.213
25	20	105	16	ASME	class 150	Butt/Socket	727 701 207	0.260
32	25	115	16	ASME	class 150	Butt/Socket	727 701 208	0.416
40	32	140	16	ASME	class 150	Butt/Socket	727 701 209	0.730
50	40	150	16	ASME	class 150	Butt/Socket	727 701 210	0.809
63	50	165	16	ASME	class 150	Butt/Socket	727 701 211	0.866
75	65	185	16	ASME	class 150	Butt/Socket	727 701 212	1.117
90	80	200	16	ASME	class 150	Butt	727 701 313	1.499
110	100	229	16	ASME	class 150	Butt	727 701 314	1.739

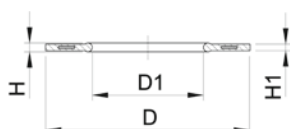
d (mm)	D1 (mm)	D2 (mm)	D3 (mm)	H max. (mm)	AL	SC
20	60	28	16	12	4	M12
25	70	34	16	12	4	M12
32	79	42	16	16	4	M12
40	89	51	16	16	4	M16
50	98	62	16	18	4	M16
63	121	78	19	18	4	M16
75	140	92	19	18	4	M16
90	152	108	19	20	4	M16
110	190	128	19	20	8	M16



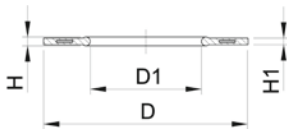
Profile Flange Gasket EPDM/FKM ANSI/ASME

Model:

- Suitable for flanges adaptors PP/PE PVDF
- Hardness: 70° Shore EPDM, 75° Shore FKM
- Centered by the flange bolts
- Dimension D is in accordance with the inner diameter of the bolt circle



d (mm)	DN (mm)	EPDM Weight Code	Weight (kg)	FKM Weight Code	Weight (kg)	Inch	D (mm)	D1 (mm)	H (mm)	H1 (mm)
25	20	748 440 502	0.010	749 440 502	0.011	3/4	54	27	4	3
32	25	748 440 503	0.011	749 440 503	0.023	1	64	33	4	3
40	32	748 440 504	0.017	749 440 504	0.024	1 1/4	73	42	4	3
50	40	748 440 505	0.030	749 440 505	0.030	1 1/2	83	48	4	3



d (mm)	DN (mm)	EPDM Code	Weight (kg)	FKM Code	Weight (kg)	Inch (inch)	D (mm)	D1 (mm)	H (mm)	H1 (mm)
63	50	748 440 506	0.029	749 440 506	0.042	2	102	60	5	4
75	65	748 440 507	0.046	749 440 507	0.068	2 1/2	121	73	5	4
90	80	748 440 508	0.053	749 440 508	0.083	3	133	89	5	4
110	100	748 440 509	0.088	749 440 509	0.139	4	171	115	6	5

Profile Flange Gasket EPDM/FKM metric

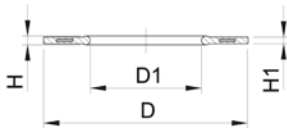
Model:

- For all metric GF Flange Adaptors
- Hardness: 70° Shore EPDM, 75° Shore FKM
- EPDM: approved acc. to DVGW Water W 270, KTW recommendation
- Centering on the inner diameter of the screw crown
- material steel insert: carbon steel
- Rubber-steel body combined with rubber profile cord ring up to d630
- Rubber-steel body ideal for big dimensions (d710 - d1000)

di FA are the suitable inner diameters of flanges adaptors



Design d710 - d1000

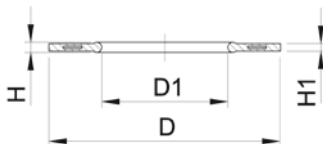
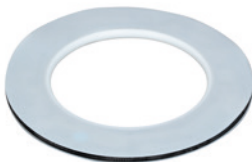


d (mm)	DN (mm)	PN (bar)	EPDM Code	FKM Code	Weight (kg)	D (mm)	D1 (mm)	di FA (mm)	H (mm)	H1 (mm)
16	10	16	748 440 705	749 440 705	0.012	46	16	6 - 16	4	3
20	15	16	748 440 706	749 440 706	0.013	51	20	10 - 20	4	3
25	20	16	748 440 707	749 440 707	0.014	61	22	12 - 22	4	3
32	25	16	748 440 708	749 440 708	0.019	71	28	18 - 28	4	3
40	32	16	748 440 709	749 440 709	0.026	82	40	30 - 40	4	3
50	40	16	748 440 710	749 440 710	0.039	92	46	36 - 46	4	3
63	50	16	748 440 711	749 440 711	0.050	107	58	48 - 58	5	4
75	65	16	748 440 712	749 440 712	0.082	127	69	59 - 69	5	4
90	80	16	748 440 713	749 440 713	0.083	142	84	73 - 84	5	4
110	100	16	748 440 714	749 440 714	0.127	162	104	94 - 104	6	5

Profile Flange Gasket, metric MPTFE envelope / EPDM inside

Model:

- For all metric GF Flange Adaptors
- Centering on the inner diameter of the bolt circle
- Envelope made of modified PTFE with diffusion barrier
- Ideal for aggressive media, High-Purity and silicone-free / paint compatible (acc. VDMA test)
- EPDM Profile Flange Gasket inside
- Individually bagged
- Suitable for contact with food stuff (conform to FDA 21 § 177.1550)



d (mm)	DN (mm)	PN (bar)	MPTFE/ EPDM Code	D (mm)	D1 (mm)	di FA (mm)	H (mm)	H1 (mm)
20	15	16	747 440 706	51	20	10 - 20	4	3
25	20	16	747 440 707	61	22	12 - 22	4	3
32	25	16	747 440 708	71	28	18 - 28	4	3
40	32	16	747 440 709	82	40	30 - 40	4	3
50	40	16	747 440 710	92	46	36 - 46	4	3
63	50	16	747 440 711	107	58	48 - 58	5	4
75	65	16	747 440 712	127	69	59 - 69	5	4
90	80	16	747 440 713	142	84	73 - 84	5	4
110	100	16	747 440 714	162	104	94 - 104	6	5

SYGEF ECTFE Valves



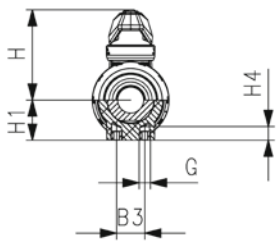
SYGEF Standard Ball Valve type 546 Pro With ECTFE butt fusion spigots (IR) ISO

Model:

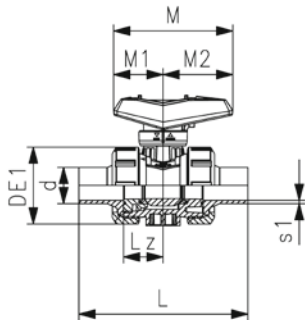
- Lockable lever as standard
- Ball seat PTFE
- Integrated stainless steel mounting inserts
- Z-dimension, valve end and union nut **are compatible** with type 546 (1st Generation)

Option:

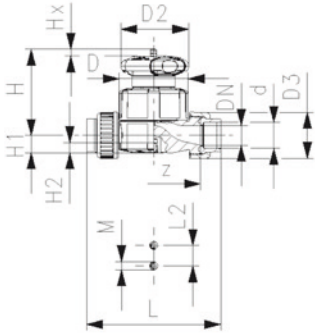
- Interface module for position feedback sensor with LED (PNP, NPN and NAMUR)
- Manual spring return lever "Dead man" (DN10-25)
- Pneumatic or electric actuators from GF
- Individual configuration of valves possible



d (mm)	DN (mm)	Size (inch)	PN (bar)	kv-value ($\Delta p=1$ bar) (l/min)	FKM Code	SP	Weight (kg)
20	15	½	10	185	175 546 212	1	0.197
25	20	¾	10	350	175 546 213	1	0.302
32	25	1	10	700	175 546 214	1	0.431
40	32	1 ¼	10	1000	175 546 215	1	0.760
50	40	1 ½	10	1600	175 546 216	1	1.011
63	50	2	10	3100	175 546 217	1	1.856
75	65	2 ½	10	5000	175 546 218	1	6.300
90	80	3	10	7000	175 546 219	1	9.500
110	100	4	10	11000	175 546 220	1	15.000



d (mm)	B3 (mm)	DE1 (mm)	G (mm)	H (mm)	H1 (mm)	H4 (mm)	L (mm)	Lz (mm)	M (mm)	M2 (mm)	M1 (mm)	s1 (mm)
20	25	50	M6	60.5	27	12	130	28	82	35	47	1.9
25	25	58	M6	74.0	30	12	143	33	106	44	62	2.3
32	25	68	M8	80.0	36	12	150	36	106	44	62	3.0
40	45	84	M8	95.0	44	15	171	43	131	57	74	3.7
50	45	97	M8	101.5	51	15	191	45	131	57	74	4.6
63	45	124	M8	116.5	64	15	220	51	152	66	86	5.8
75	70	166	M8	169.0	85	15	266	68	270	64	205	8.2
90	70	200	M8	180.0	105	15	264	71	270	64	205	10.0
110	120	238	M12	194.0	123	22	301	82	326	71	255	12.0



SYGEF Standard Diaphragm valve type 514
With ECTFE butt fusion spigots (IR) metric

Model:

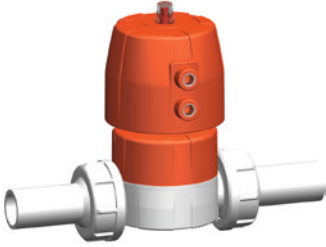
- Diaphragm valve material: **PVDF** / end connection material: **ECTFE**
- SDR21/PN10
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve
 - Self adjusting multifunctional module with integrated limit switches
- * O-Ring material: FKM

d (mm)	DN (mm)	PN (bar)	kv-value ($\Delta p=1$ bar) (l/min)	PTFE/ EPDM* Code	Weight (kg)	PTFE/FKM* Code	Weight (kg)
20	15	10	125	185 514 232	0.358	185 514 252	0.349
25	20	10	271	185 514 233	0.546	185 514 253	0.546
32	25	10	481	185 514 234	0.969	185 514 254	0.969
40	32	10	759	185 514 235	1.683	185 514 255	1.683
50	40	10	1263	185 514 236	2.932	185 514 256	2.932
63	50	10	1728	185 514 237	2.995	185 514 257	2.995

d (mm)	D (mm)	D2 (mm)	D3 (mm)	H (mm)	H1 (mm)	H2 (mm)	L (mm)	L2 (mm)	M	z (mm)	Lift = Hx (mm)	closest inch (inch)
20	65	65	43	73	14	12	128	25	M6	100	7	½
25	80	65	53	81	18	12	150	25	M6	118	10	¾
32	88	87	60	107	22	12	162	25	M6	126	13	1
40	101	87	74	115	26	15	184	45	M8	144	15	1 ¼
50	117	135	82	148	32	15	210	45	M8	164	19	1 ½
63	144	135	100	166	39	15	248	45	M8	194	25	2



**SYGEF Standard Diaphragm valve DIASTAR Ten
DA (Double acting)
With ECTFE butt fusion spigots (IR) metric**

Model:

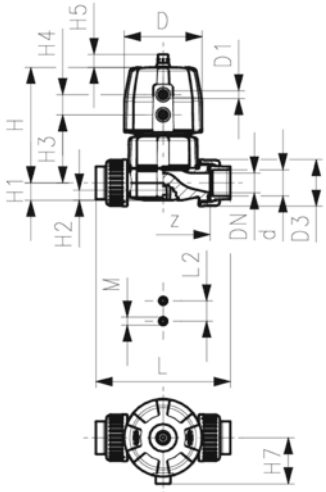
- Diaphragm valve material: **PVDF** / end connection material: **ECTFE**
- SDR21/PN10
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve
- Comprehensive range of accessories available

Working Pressure: **one side**

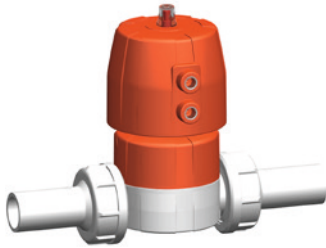
* O-Ring material: FKM



d (mm)	DN (mm)	kv-value ($\Delta p=1$ bar) (l/min)	PTFE/ EPDM* Code	Weight (kg)	PTFE/FKM* Code	Weight (kg)
20	15	125	185 654 232	0.565	185 654 252	0.565
25	20	271	185 654 233	1.116	185 654 253	1.116
32	25	481	185 654 234	1.328	185 654 254	1.355
40	32	759	185 654 235	2.116	185 654 255	2.116
50	40	1263	185 654 236	3.426	185 654 256	3.426
63	50	1728	185 654 237	4.518	185 654 257	4.518

d (mm)	D (mm)	D1_G (inch)	H (mm)	H1 (mm)	H2 (mm)	H3 (mm)	H4 (mm)	H5 (mm)	H7 (mm)	L (mm)	L2 (mm)	M	z (mm)	Lift = Hx (mm)
20	68	1/8	101	14	12	60	24	16	43	128	25	M6	100	7
25	96	1/8	132	18	12	73	25	16	57	150	25	M6	118	10
32	96	1/8	143	22	12	84	25	16	57	162	25	M6	126	13
40	120	1/8	173	26	15	99	26	26	69	184	45	M8	144	15
50	150	1/4	214	32	15	119	36	26	88	210	45	M8	164	19
63	150	1/4	226	39	15	132	36	26	88	248	45	M8	194	23

d (mm)	closest inch (inch)
20	1/2
25	3/4
32	1
40	1 1/4
50	1 1/2
63	2



**SYGEF Standard Diaphragm valve DIASTAR Ten
FC (Fail safe to close)
With ECTFE butt fusion spigots (IR) metric**

Model:

- Diaphragm valve material: **PVDF** / end connection material: **ECTFE**
- SDR21/PN10
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

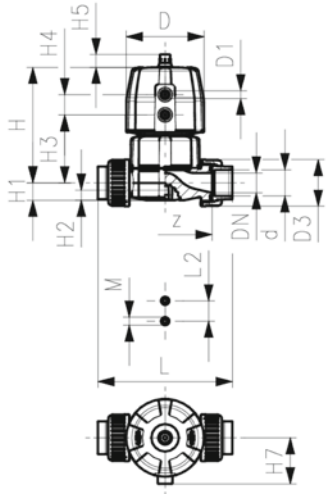
Option:

- Individual configuration of the valve
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

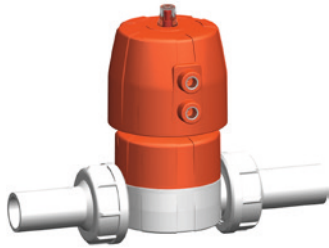
* O-Ring material: FKM



d (mm)	DN (mm)	PN* (bar)	kv-value ($\Delta p=1$ bar) (L/min)	PTFE/ EPDM* Code	Weight (kg)	PTFE/FKM* Code	Weight (kg)
20	15	10/10*	125	185 624 232	0.611	185 624 252	0.611
25	20	10/10*	271	185 624 233	1.216	185 624 253	1.216
32	25	10/10*	481	185 624 234	1.565	185 624 254	1.565
40	32	10/10*	759	185 624 235	2.489	185 624 255	2.489
50	40	10/10*	1263	185 624 236	4.266	185 624 256	4.266
63	50	10/6*	1728	185 624 237	5.358	185 624 257	5.358

d (mm)	D (mm)	D1_G (inch)	H (mm)	H1 (mm)	H2 (mm)	H3 (mm)	H4 (mm)	H5 (mm)	H7 (mm)	L (mm)	L2 (mm)	M	z (mm)	Lift = Hx (mm)
20	68	⅜	101	14	12	60	24	16	43	196	25	M6	100	7
25	96	⅜	132	18	12	73	25	16	57	221	25	M6	118	10
32	96	⅜	143	22	12	84	25	16	57	234	25	M6	126	13
40	120	⅜	173	26	15	99	26	26	69	260	45	M8	144	15
50	150	⅜	214	32	15	119	36	26	88	284	45	M8	164	19
63	150	⅜	226	39	15	132	36	26	88	321	45	M8	194	23

d (mm)	closest inch (inch)
20	⅜
25	⅜
32	1
40	1 ¼
50	1 ½
63	2



**SYGEF Standard Diaphragm valve DIASTAR Ten
FO (Fail safe to open)
With ECTFE butt fusion spigots (IR) metric**

Model:

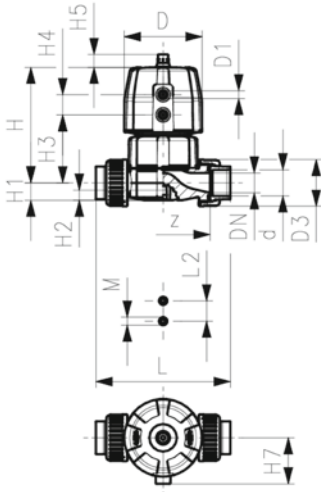
- Diaphragm valve material: **PVDF** / end connection material: **ECTFE**
- SDR21/PN10
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve
- Comprehensive range of accessories available

Working Pressure: **one side**

* O-Ring material: FKM

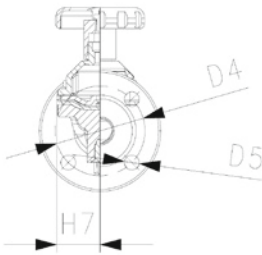
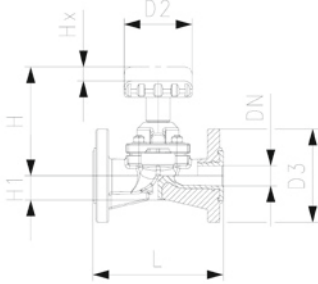
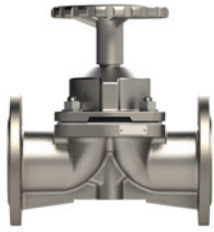


d (mm)	DN (mm)	kv-value ($\Delta p=1$ bar) (l/min)	PN (bar)	PTFE/ EPDM* Code	Weight (kg)	PTFE/FKM* Code	Weight (kg)
20	15	125	10	185 644 232	0.686	185 644 252	0.686
25	20	271	10	185 644 233	1.152	185 644 253	1.152
32	25	481	10	185 644 234	1.385	185 644 254	1.385
40	32	759	10	185 644 235	2.176	185 644 255	2.176
50	40	1263	10	185 644 236	4.176	185 644 256	4.176
63	50	1728	6	185 644 237	5.268	185 644 257	5.268

d (mm)	D (mm)	D1_G (inch)	H (mm)	H1 (mm)	H2 (mm)	H3 (mm)	H4 (mm)	H5 (mm)	H7 (mm)	L (mm)	L2 (mm)	M	z (mm)	Lift = Hx (mm)
20	68	1/8	101	14	12	60	24	16	43	128	25	M6	100	7
25	96	1/8	132	18	12	73	25	16	57	150	25	M6	118	10
32	96	1/8	143	22	12	84	25	16	57	162	25	M6	126	13
40	120	1/8	173	26	15	99	26	26	69	184	45	M8	144	15
50	150	1/4	214	32	15	119	36	26	88	210	45	M8	164	19
63	150	1/4	226	39	15	132	36	26	88	248	45	M8	194	23

d (mm)	closest inch (inch)
20	1/2
25	3/4
32	1
40	1 1/4
50	1 1/2
63	2

SYGEF ECTFE Type SDV Diaphragm Valve ISO With Handwheel



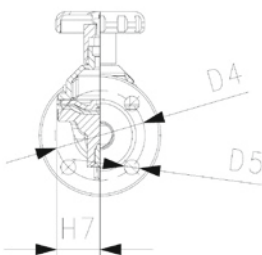
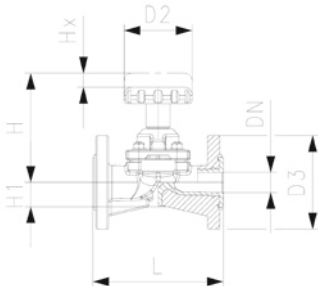
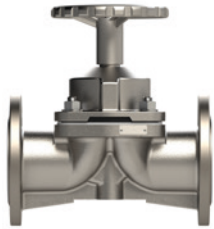
Model:

- ISO/ DIN flange connection
- Material: PFA lined SSst valve body, PTFE-T/FKM diaphragm

d	Size	DN	PN	kv-value	Code	Weight
(mm)	(inch)	(mm)	(bar)	(m ³ /h)		(kg)
20	¾	15	10	7.8	160 144 106	2.5
25	¾	20	10	10.0	160 144 107	3.0
32	1	25	10	15.0	160 144 108	3.8
40	1 ¼	32	10	22.5	160 144 109	5.2
50	1 ½	40	10	37.0	160 144 110	7.4
63	2	50	10	65.0	160 144 111	9.7
75	2 ½	65	10	95.0	160 144 112	13.5
90	3	80	8	134.0	160 144 113	18.0
110	4	100	7	200.0	160 144 114	30.0

d	L	D2	D3	D4	D5	H	H1	H7	Hx	Rotation (per stroke)
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	
20	130	85	95	65	14	115	24	36	8	4.5
25	150	85	105	75	14	117	26	36	8	4.5
32	160	85	115	85	14	124	30	41	10	5.5
40	180	85	140	100	18	134	35	52	12	7.0
50	200	120	150	110	18	173	41	56	24	12.0
63	230	120	165	125	18	186	44	70	30	15.0
75	290	180	185	145	18	208	55	82	30	12.0
90	310	180	200	160	18	233	60	100	34	13.5
110	350	250	220	180	18	282	72	123	40	13.5

SYGEF ECTFE Type SDV Diaphragm Valve ANSI With Handwheel



Model:

- ANSI flange connection
- Material: PFA lined SSst valve body, PTFE-T/FKM diaphragm

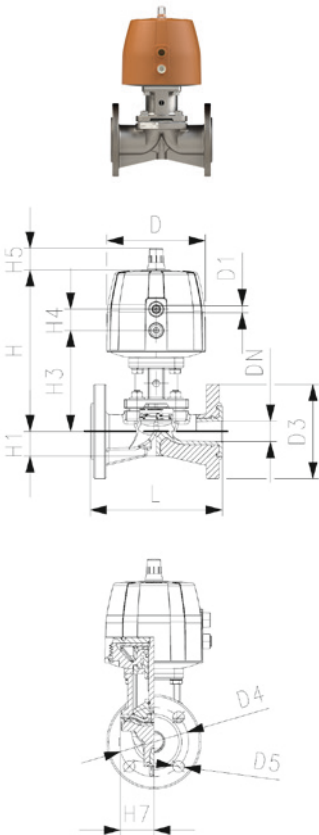
d	Size	DN	PN	kv-value	Code	Weight
(mm)	(inch)	(mm)	(bar)	(m ³ /h)		(kg)
20	¾	15	10	7.8	160 144 156	2.5
25	¾	20	10	10.0	160 144 157	3.0
32	1	25	10	15.0	160 144 158	3.5
40	1 ¼	32	10	22.5	160 144 159	5.2
50	1 ½	40	10	37.0	160 144 160	6.3
63	2	50	10	65.0	160 144 161	9.0
75	2 ½	65	10	95.0	160 144 162	13.5
90	3	80	8	134.0	160 144 163	16.9
110	4	100	7	200.0	160 144 164	30.3

d	L	D2	D3	D4	D5	H	H1	H7	Hx	Rotation (per stroke)
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	
20	130	85	90	60	16	115	24	36	8	4.5
25	150	85	100	70	16	117	26	36	8	4.5
32	146	85	110	80	16	124	30	41	10	5.5
40	180	85	115	89	16	134	35	52	12	7.0
50	174	120	125	98	16	173	41	56	24	12.0
63	200	120	150	121	19	186	44	70	30	15.0
75	290	180	180	140	19	208	55	82	30	12.0
90	260	180	190	152	19	233	60	100	34	13.5
110	327	250	230	191	19	282	72	123	40	13.5

SYGEF ECTFE Type SDV Diaphragm Valve ISO
With pneumatic actuator FC (fail safe to close)

Model:

- ISO/ DIN flange connection
- Material: PFA lined SSSt valve body, PTFE-T/FKM diaphragm
- With pneumatic actuator



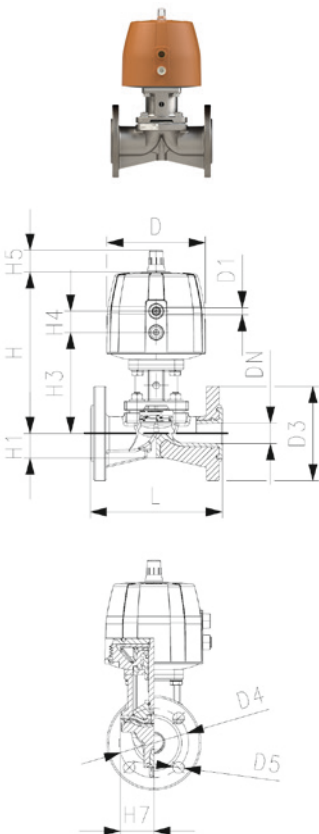
d	Size	DN	PN	kv-value	Code	Weight
(mm)	(inch)	(mm)	(bar)	(m ³ /h)		(kg)
20	½	15	10	7.8	160 144 206	4.8
25	¾	20	10	10.0	160 144 207	5.3
32	1	25	10	15.0	160 144 208	6.4
40	1 ¼	32	10	22.5	160 144 209	7.8
50	1 ½	40	10	37.0	160 144 210	13.9
63	2	50	10	65.0	160 144 211	16.0
75	2 ½	65	10	95.0	160 144 212	19.8
90	3	80	8	134.0	160 144 213	32.8
110	4	100	7	200.0	160 144 214	46.7

d	L	D	D1	D3	D4	D5	H	H1	H3	H4	H5	H7
(mm)	(mm)	(mm)	(inch)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
20	130	120	¾	95	65	14	211	24	115	26	23	36
25	150	120	¾	105	75	14	213	26	117	26	23	36
32	160	120	¾	115	85	14	227	30	123	26	23	41
40	180	150	¾	140	100	18	253	35	141	36	36	52
50	200	180	¾	150	110	18	284	41	154	37	36	56
63	230	180	¾	165	125	18	302	44	159	37	36	70
75	290	280	¾	185	145	18	366	55	182	24	46	82
90	310	280	¾	200	160	18	373	60	200	24	46	100
110	350	335	¾	220	180	18	448	72	267	24	46	123

SYGEF ECTFE Type SDV Diaphragm Valve ANSI
With pneumatic actuator FC (fail safe to close)

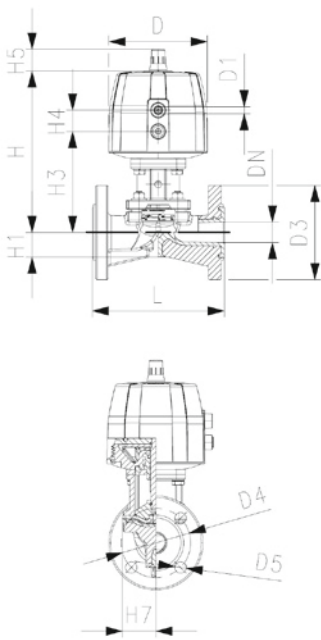
Model:

- ANSI flange connection
- Material: PFA lined SSSt valve body, PTFE-T/FKM diaphragm
- With pneumatic actuator



d	Size	DN	PN	kv-value	Code	Weight
(mm)	(inch)	(mm)	(bar)	(m ³ /h)		(kg)
20	½	15	10	7.8	160 144 256	4.8
25	¾	20	10	10.0	160 144 257	5.3
32	1	25	10	15.0	160 144 258	6.1
40	1 ¼	32	10	22.5	160 144 259	7.8
50	1 ½	40	10	37.0	160 144 260	12.8
63	2	50	10	65.0	160 144 261	15.3
75	2 ½	65	10	95.0	160 144 262	19.8
90	3	80	8	134.0	160 144 263	31.7
110	4	100	7	200.0	160 144 264	47.0

L	D	D1	D3	D4	D5	H	H1	H3	H4	H5	H7
(mm)	(mm)	(inch)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
130	120	¾	90	60	16	211	24	115	26	23	36
150	120	¾	100	70	16	213	26	117	26	23	36
146	120	¾	110	80	16	227	30	123	26	23	41
180	150	¾	115	89	16	253	35	141	36	36	52
174	180	¾	125	98	16	284	41	154	37	36	56



L	D	D1	D3	D4	D5	H	H1	H3	H4	H5	H7
(mm)	(mm)	(inch)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
200	180	¼	150	121	19	302	44	159	37	36	70
290	280	¼	180	140	19	366	55	182	24	46	82
260	280	¼	190	152	19	373	60	200	24	46	100
327	335	¼	230	191	19	448	72	267	24	46	123



Spare part membranes For Type SDV

Model:

- PTFE-T/FKM diaphragm for Type SDV

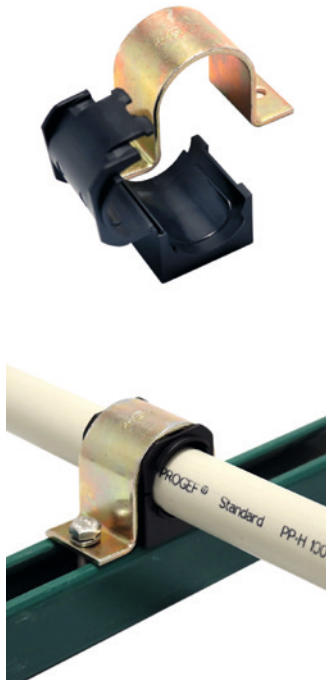
d	DN	PTFE/FKM Code	Closest inch
(mm)	(mm)		(inch)
20 - 25	15 - 20	747 503 506	½ - ¾
32	25	747 503 508	1
40	32	747 503 509	1 ¼
50	40	747 503 510	1 ½
63	50	747 503 511	2
75	65	747 503 512	2 ½
90	80	747 503 513	3
110	100	747 503 514	4

SYGEF ECTFE Accessories

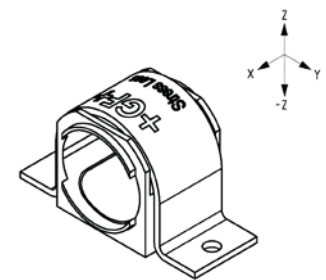
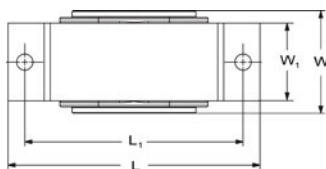
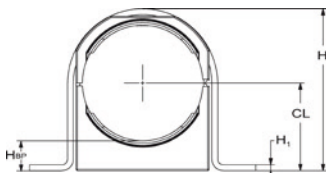
Stress Less Rørbærer - mm

First pipe support system especially designed to eliminate stress transfer to pipe due to thermal expansion or seismic events. Has engineered, designed gap of 3mm between guide insert and pipe OD. Excessive force can never be exerted on the pipe regardless of bolt torque.

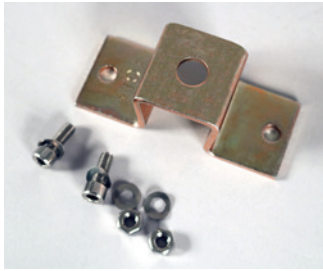
- Includes steel hoop and plastic guide insert.
- Bøjle er trivalent guld-chrom-belagt galvaniseret stål, i overensstemmelse med ASTM B633 Type VI.
- Guide insert is Polypropylene, Black, UV resistant.
- Monteres på enhver plan overflade eller standard vægkonsol.
- Monteringshuller i bøjle til boltstørrelse "SC" (medfølger ikke).
- Suosittelemme käyttämään pultteja, joiden minimikoko on suosittelun mukainen ja vetolujuus vähintään 70,000psi.
- F_y, F_z, and -F_z are rated design loads, in lb-f (pounds-force) and N (Newtons), for respective y, z, and -z directions.



Size (mm)	GF Code
20	155 484 500
25	155 484 501
32	155 484 502
40	155 484 503
50	155 484 504
63	155 484 505
75	155 484 506
90	155 484 507
110	155 484 508
125	155 484 518
140	155 484 519
160	155 484 509



Size (mm)	H (mm)	CL (mm)	Hbp (mm)	H1 (mm)	L (mm)	L1 (mm)	W (mm)	W1 (mm)	SC	F _z	F _{-z}	F _y
20	41	19	9	3	83	66	50	37	1/4" M6	150lbs / 660N	180lbs / 800N	150lbs / 660N
25	47	23	10	3	88	71	50	37	1/4" M6	150lbs / 660N	180lbs / 800N	150lbs / 660N
32	56	28	12	3	95	78	50	37	1/4" M6	150lbs / 660N	180lbs / 800N	150lbs / 660N
40	58	26	6	3	102	86	50	37	1/4" M6	150lbs / 660N	180lbs / 800N	150lbs / 660N
50	69	33	9	3	111	94	50	37	1/4" M6	150lbs / 660N	180lbs / 800N	150lbs / 660N
63	89	47	16	3	124	107	50	37	5/16" M8	200lbs / 800N	240lbs / 880N	200lbs / 800N
75	108	58	21	3	135	119	50	37	5/16" M8	300lbs / 1300N	360lbs / 1600N	300lbs / 1300N
90	113	58	13	3	151	134	50	37	5/16" M8	450lbs / 2000N	540lbs / 2400N	450lbs / 2000N
110	136	68	13	3	175	159	50	37	5/16" M8	650lbs / 2800N	780lbs / 3400N	600lbs / 2670N
125	152	80	15	3	187	171	50	37	5/16" M8	700lbs / 3100N	840lbs / 3700N	600lbs / 2670N
140	169	90	18	3	202	186	50	37	5/16" M8	700lbs / 3100N	840lbs / 3700N	600lbs / 2670N
160	193	98	18	5	251	227	50	36	3/8" M8	900lbs / 4000N	1080lbs / 4800N	600lbs / 2670N



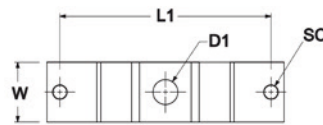
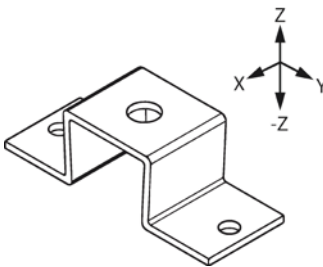
Stress Less Pipe Guide - Clevis Hanger Kit

First pipe support system especially designed to eliminate stress transfer to pipe due to thermal expansion or seismic events. Has engineered, designed gap of 3mm between guide insert and pipe OD. Excessive force can never be exerted on the pipe regardless of bolt torque.

- À utiliser avec le système Stress Less Support de Tube métrique ou IPS.
- N'inclut pas l'insert de guidage de tube ni le support.
- SC = taille de boulon.
- Seismic kicker configuration (V-bracing) Fy,z rating plus F-z rating.

Option:

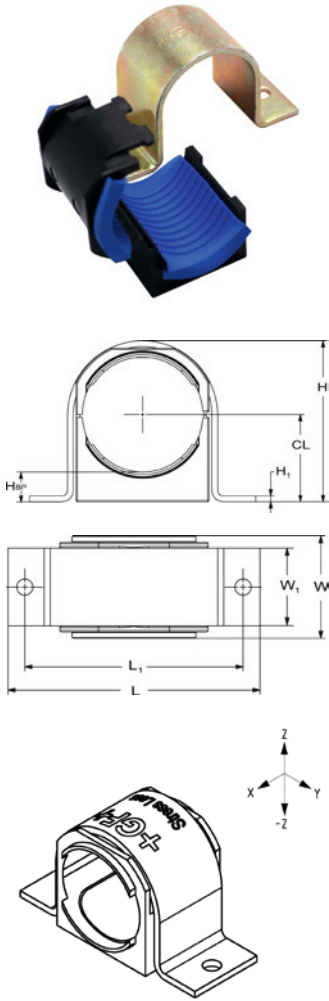
- Rustfri stål bøjlebeslag kan bestilles S155484xxx.



Size (mm)	Size (inch)	Code
20	½	155 484 540
25	¾	155 484 541
32	1	155 484 542
40	1 ¼	155 484 543
50	1 ½	155 484 544
63	2	155 484 545
75	2 ½	155 484 546
90	3	155 484 547
110	4	155 484 548
125	5	155 484 558
140		155 484 559
160	6	155 484 549
225	8	155 484 550

Size (mm)	Size (inch)	L (mm)	L1 (mm)	H (mm)	T (mm)	w (mm)	D1 (mm)	SC	Fy	F-z
20	½	83	66	32	3	38	12.7	1/4" / M6	150lbs / 660N	150lbs / 660N
25	¾	88	71	32	3	38	12.7	1/4" / M6	150lbs / 660N	150lbs / 660N
32	1	95	78	32	3	38	12.7	1/4" / M6	150lbs / 660N	150lbs / 660N
40	1 ¼	103	86	32	3	38	12.7	1/4" / M6	150lbs / 660N	150lbs / 660N
50	1 ½	111	94	32	3	38	12.7	1/4" / M6	150lbs / 660N	150lbs / 660N
63	2	124	107	32	3	38	12.7	5/16" / M8	200lbs / 800N	200lbs / 800N
75	2 ½	136	119	32	3	38	15.9	5/16" / M8	300lbs / 1300N	300lbs / 1300N
90	3	151	134	32	3	38	15.9	5/16" / M8	450lbs / 2000N	450lbs / 2000N
110	4	176	159	32	3	38	19.0	5/16" / M8	600lbs / 2670N	650lbs / 2800N
125	5	187	171	32	3	38	19.0	5/16" / M8	600lbs / 2670N	700lbs / 3100N
140		202	186	32	3	38	19.0	5/16" / M8	600lbs / 2670N	700lbs / 3100N
160	6	251	227	32	5	38	22.2	3/8" / M10	600lbs / 2670N	900lbs / 4000N
225	8	310	286	32	5	38	22.2	3/8" / M10	800lbs / 3560N	1750lbs / 7700N

Stress Less Pipe Support - Vertical Metric

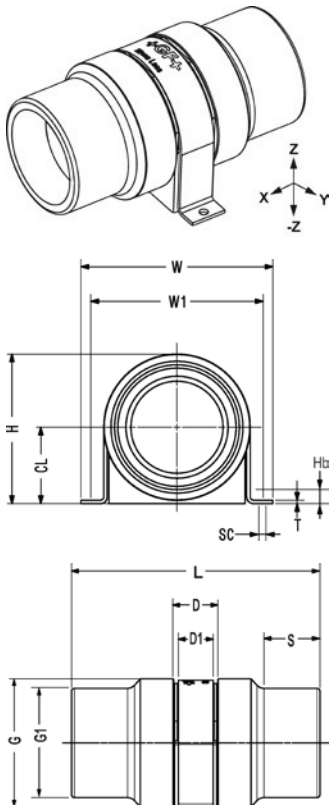


- For use as a vertical pipe support. Includes elastomeric insert strips in support to provide friction and snug fit against pipe.
- Nämä kannakkeet lisäävät putkiston kiinnityksen lujuutta esim. seismisen toiminnan aiheuttaman ylisuuren kuormituksen aikana.
- For metric size pipe 20mm – 63mm.
- Includes steel hoop and plastic guide insert.
- Bøjle er trivalent guld-chrom-belagt galvaniseret stål, i overensstemmelse med ASTM B633 Type VI.
- Guide insert is Polypropylene, Black, UV resistant.
- Monteres på enhver plan overflade eller standard vægkonsol.
- Monteringshuller i bøjle til boltstørrelse "SC" (medfølger ikke).
- Fx, Fy, ja Fz ovat luokiteltuja mitoitusvoimia (kuormia), joiden mittayksikkö on N (Newtonia). Voimat suuntautuvat vastaaviin suuntiin x, y ja z.

Size (mm)	Code
20	155 484 560
25	155 484 561
32	155 484 562
40	155 484 563
50	155 484 564
63	155 484 565

Size (mm)	H (mm)	CL (mm)	Hbp (mm)	H1 (mm)	L (mm)	L1 (mm)	W (mm)	W1 (mm)	SC	Fyz	F-z
20	41	21	11	3	83	66	50	37	1/4" / M6	150lbs / 660N	180lbs / 800N
25	47	25	12	3	88	71	50	37	1/4" / M6	150lbs / 660N	180lbs / 800N
32	56	30	14	3	95	78	50	37	1/4" / M6	150lbs / 660N	180lbs / 800N
40	58	28	8	3	102	86	50	37	1/4" / M6	150lbs / 660N	180lbs / 800N
50	69	35	10	3	111	94	50	37	1/4" / M6	150lbs / 660N	180lbs / 800N
63	89	49	17	3	124	107	50	37	5/16" / M8	200lbs / 800N	240lbs / 880N

Linestop Clamp Kit - SYGEF ECTFE



Model:

- Kit includes ECTFE restraint fitting, galvanized steel hoop bracket and HDPE spacer bracket. Does not include hardware for bolting to unistrut or supporting structure.
- To be used with SYGEF ECTFE (PN10) pipe and fittings.
- Hoop is trivalent gold chromium-coated galvanized steel, compliant with ASTM B633.
- Mounting holes in bracket for bolts size "SC" (not included).
- Recommend using 70,000psi (482 MPa) tensile strength or greater bolts in recommended sizes.
- Fx, Fy and Fz are rated design loads, in lb-f (pounds-force) and N (Newtons), for respective x, y and z directions.

Option:

- Stainless steel hoop bracket available S700225xxx.

Size (mm)	GF Code
20	700 225 320
25	700 225 321
32	700 225 322
40	700 225 323
50	700 225 324
63	700 225 325
75	700 225 326
90	700 225 327
110	700 225 328

H	CL	D	D1	W	W1	G	G1	S	L	T	SC
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	
41.0	19.0	46.0	36.6	83.0	66.0	34.0	20.0	14.1	160.0	3.0	1/4" / M8
47.0	23.0	46.0	36.6	88.0	71.0	43.0	25.0	16.0	170.0	3.0	1/4" / M8
56.0	28.0	46.0	36.6	95.0	78.0	52.0	32.0	18.0	170.0	3.0	1/4" / M8
58.0	26.0	46.0	36.6	102.0	86.0	52.0	40.0	20.0	180.0	3.0	1/4" / M8
69.0	33.0	46.0	36.6	111.0	94.0	66.0	50.0	23.0	190.0	3.0	1/4" / M8
89.0	47.0	46.0	36.6	124.0	107.0	80.0	63.0	30.0	210.0	3.0	5/16" / M8
108.0	58.0	46.0	36.6	135.0	119.0	100.0	75.0	31.0	230.0	3.0	5/16" / M8
113.0	58.0	46.0	36.6	151.0	134.0	110.0	90.0	35.0	240.0	3.0	5/16" / M8
136.0	68.0	46.0	36.6	175.0	159.0	134.0	110.0	41.0	260.0	3.0	3/8" / M11

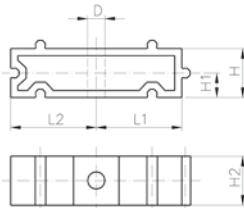
Fxyz	Fx	Fy	Fz	F-z
150lbs / 660N	150lbs / 660N	150lbs / 660N	150lbs / 660N	180lbs / 800N
150lbs / 660N	150lbs / 660N	150lbs / 660N	150lbs / 660N	180lbs / 800N
150lbs / 660N	150lbs / 660N	150lbs / 660N	150lbs / 660N	180lbs / 800N
150lbs / 660N	150lbs / 660N	150lbs / 660N	150lbs / 660N	180lbs / 800N
150lbs / 660N	150lbs / 660N	150lbs / 660N	150lbs / 660N	180lbs / 800N
200lbs / 800N	200lbs / 800N	200lbs / 800N	200lbs / 800N	240lbs / 880N
300lbs / 1300N	300lbs / 1300N	300lbs / 1300N	300lbs / 1300N	360lbs / 1600N
300lbs / 1300N	300lbs / 1300N	450lbs / 2000N	450lbs / 2000N	540lbs / 2400N
450lbs / 2000N	450lbs / 2000N	600lbs / 2670N	650lbs / 2800N	780lbs / 3400N



KLIP-IT spacer type 061 PP

Model:

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



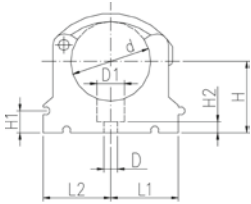
d	Inch	Code	SP	Weight	D	L1	L2	H	H1	H2	SC
(mm)	(inch)			(kg)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	
20	½	167 061 156	10	0.005	6	17	19	20	10	16	M5
25	¾	167 061 157	10	0.007	6	19	22	20	10	16	M5
32	1	167 061 158	10	0.006	6	24	27	20	10	16	M5
40	1 ¼	167 061 159	10	0.015	7	34	34	20	10	22	M6
50	1 ½	167 061 160	10	0.017	7	37	37	20	10	22	M6
63	2	167 061 161	10	0.020	9	45	45	20	10	25	M8
75	2 ½	167 061 162	10	0.027	9	52	52	20	10	25	M8
90	3	167 061 163	10	0.039	9	65	65	20	10	28	M8
110	4	167 061 164	10	0.048	9	79	79	20	10	28	M8

KLIP-IT pipe clip type 061 PP metric



Model:

- Material: clip and safety clip PP black, UV resistant
- d16 - d63: height designed for ball valve type 546 and 543
- **Minimum order quantity: standard packagings SP**



	d (mm)	Code	SP	Weight (kg)
*	10	167 061 003	10	0.003
*	12	167 061 004	10	0.003
*	16	167 061 035	10	0.007
*	20	167 061 036	10	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
	75	167 061 012	10	0.057
	90	167 061 013	10	0.092
	110	167 061 014	10	0.117

	d (mm)	D (mm)	D1 (mm)	H (mm)	H1 (mm)	H2 (mm)	H3 (mm)	L1 (mm)	L2 (mm)	SC	closest inch (inch)
*	10	5	8	20	10	6	12	11	14	M4	1/8
*	12	5	8	21	10	6	12	11	14	M5	1/8
*	16	6	11	27	10	6	16	14	17	M5	3/8
*	20	6	11	27	10	6	16	17	19	M5	1/2
*	25	6	11	30	10	6	16	19	22	M5	3/4
*	32	6	11	36	10	6	16	24	27	M5	1
	40	7	14	44	10	7	22	34	34	M6	1 1/4
	50	7	14	51	10	7	22	37	37	M6	1 1/2
	63	9	17	64	10	10	25	45	45	M8	2
	75	9	17	58	10	10	25	52	52	M8	2 1/2
	90	9	17	65	10	10	28	65	65	M8	3
	110	9	17	75	10	10	28	79	79	M8	4

SYGEF ECTFE Fusion Machines and Tools



IR-110 A Automated Fusion Machine

Model:

- Fully equipped automated infrared fusion machine with integrated working table for use under clean room conditions
- Welding of PVDF SYGEF (Standard/Plus), ECTFE SYGEF, PP grey PROGEF (Standard/Plus), PP-n PROGEF Natural, PE100 ecoFIT, IR PVC-U
- Dimensions d20-110 mm
- User friendly touch-screen interface 12.1" with various languages
- 4 USB interfaces, LAN Ethernet interface, 230 V Output
- Automated facer, clamping slide and heater
- Integrated video camera and temperature sensors
- Movable clamping units
- Clamping inserts d20-90 mm (8 pcs. per dimension), **not for PVC-U metric**
- End caps PE d20-110 mm (4 pcs. per dimension)
- Shavings collection tray
- Transport box with integrated pallet
- 1-phase AC (50/60 Hz) 230V L/N/PE
- Power supply cable 230V EU Standard
- Torx key (T10) for facing knives
- Cleaning brush
- Label printer

Note:

Clamping inserts PVC-U metric on request

Code	Weight (kg)
790 164 001	250



IR-63 M Standard Fusion Machine (without extension cable set & CONNECT box)

Model:

- Manually operated infrared fusion machine with integrated remote welding unit
- Welding of PVDF SYGEF (Standard/Plus), ECTFE SYGEF, PP-H PROGEF (Standard/Plus), PP-n PROGEF Natural, PE100 ecoFIT, PVC-U metric & PFA inch
- Dimensions d20-63 mm
- A safety glass protected 7" touchscreen
- 2x USB-A & 2x USB-C ports
- Clamping slide with movable & exchangeable clamping units
- Half shells d20-50 mm (8 pcs. per dimension)
- End caps PE d20-63 mm (4 pcs. per dimension)
- Pipe stop fix, 2mm facing distance
- Pipe stop adjustable, 0.5-3mm facing distance
- 1-phase AC (50/60 Hz) 230V L/N/PE
- Power supply cable 230 V
- Label printer

Option:

- Half shells PFA inch
- Extension cable set for remote weldings
- CONNECT Welding Data Box

Code	Weight (kg)
790 180 001	59.0



IR-110 Plus Fusion Machine (without PVC-U parameter)

Model:

- Fully-equipped manually operated infrared fusion machine for use under clean room conditions
- Welding of PVDF SYGEF (Standard/Plus), ECTFE SYGEF, PP-H PROGEF (Standard/Plus), PP-n PROGEF Natural, PE100 ecoFIT, PFA
- Dimensions d20-110 mm
- Monochrome display with icons and various languages
- 2 USB interfaces
- Heating and facing element
- Clamping slide with movable clamping units
- Clamping inserts d20-90 mm (8 pcs. per dimension)
- End caps PE d20-110 mm (4 pcs. per dimension)
- Pipe stop
- Clean-room compatible accessory tray with tools
- Transport box with integrated pallet
- 1-phase AC (50/60 Hz) 230V L/N/PE
- Power supply cable 230V
- Label printer

Note:

Clamping inserts PFA (inch) on request
Clamping inserts CONTAIN-IT Plus on request

Code	Weight (kg)
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790 132 001	110
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IR-225 Plus Fusion Machine

Model:

- Fully-equipped manually operated infrared fusion machine with integrated working table for use under clean room conditions
- Welding of PVDF SYGEF (Standard/Plus), ECTFE SYGEF, PP-H PROGEF (Standard/Plus), PP-n PROGEF Natural, PE100 ecoFIT
- Dimensions d63-225 mm
- Monochrome display with icons and various languages
- 2 USB interfaces
- Heating and facing element
- Clamping slide with movable clamping units
- Cooling fan
- Clamping inserts d63-225 mm (8 pcs. per dimension)
- End caps PE d63-225 mm (4 pcs. per dimension)
- Pipe stop
- Transport box with integrated pallet (stainless steel)
- 1-phase AC (50/60 Hz) 230V L/N/PE or 3-phase AC (50/60 Hz) 400V/230VL1/L2/L3/N/PE
- Connecting cable 400V - 230V
- Additional tools
- Label printer

Note:

Clamping inserts CONTAIN-IT Plus on request

Code	Weight (kg)
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790 133 009	453
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WBI-63 Tool

- Weld bead inspection of PVDF SYGEF (Standard/Plus), ECTFE SYGEF, PP-H PROGEF (Standard/Plus), PE100 ecoFIT
- Dimensions d20-d63 mm
- Clamping units d20-d63 mm
- Tablet with accessories
- Label printer Brother PT-P900W

d-d (mm)	Code	Weight (kg)
20 - 63	790 170 001	14



WBI-225 Tool

- Weld bead inspection of PVDF SYGEF (Standard/Plus), ECTFE SYGEF, PP-H PROGEF (Standard/Plus), PE100 ecoFIT
- Dimensions d20-d225 mm
- Clamping units d20-d225 mm
- Tablet with accessories
- Label printer Brother PT-P900W

d-d (mm)	Code	Weight (kg)
20 - 225	790 170 002	22



Label printer Brother PT-P900Wc

- For IR & BCF fusion machines only
- Label 36 mm included
- Order Label 24 mm separately

Description	Code	Weight (kg)
Label printer Brother PT-P900Wc	790 180 081	2.470
Ribbon white label 24 mm Brother TZe-251	790 180 082	0.100



Cleaning tissue KO-TON-R

Minimum order quantity 100 pieces

- This cleaning tissue is suitable for the cleaning of the welding zone of piping components, because it is lint free and clean room checked.

Code	Weight (kg)
790 122 085	0.005



Tangit KS Cleaner

- Special cleaner for plastic fusion connections in the material of PE, PP, PB, PVDF, ECTFE and PVC-U
- Suitable for Tangit Rapid. Must not be used for solvent cementing
- DVGW approved
- DW 5290 BR 0464

Size	Code	Weight (kg)
1 liter	799 298 023	0.872

PPC Plastic pipe cutter

Model:

- For cutting of plastic pipes d6 - d160
- Suitable for all GF plastic types PE, PVC-U, PVC-C, ABS, PP, PVDF, ECTFE
- Removable deburring tool integrated

Note:

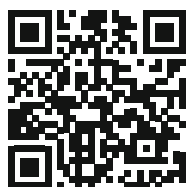
* Additional spare cutting wheel included in the handle

	d (mm)	Article	Code	Weight (kg)	Closest inch (inch)
*	6 - 63	Plastic Pipe cutter (s max. 7.00mm)	790 109 094	0.785	¼ - 2
	50 - 125	Plastic Pipe cutter (s max. 16.00mm)	790 109 095	1.875	1 ½ - 4



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