

GF Piping Systems

+GF+

Design-Flow[®] Industrial PE

Catalog 2018



Ready to install?



Connectra 28 Electric-Powered (EP) Butt Fusion Machine



MSA 340 Electrofusion Machine



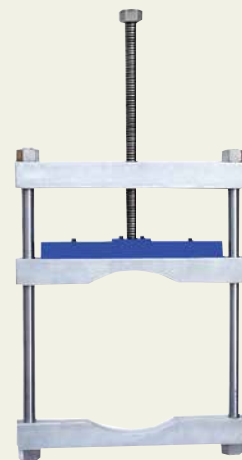
EF Multi-Clamp Kits and Liners



EF Under Clamps



EF Machined Rotary Scrapers



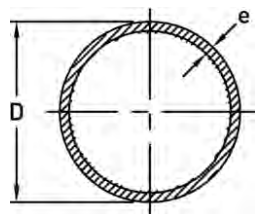
Pipe Re-Rounding Tools

Contact us about our welding equipment!

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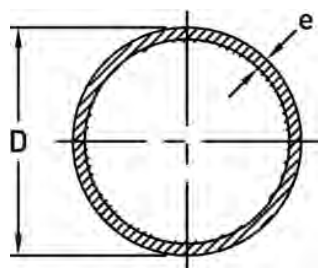
Industrial Polyethylene Pipe



Design-Flow Industrial Grade PE4710 Pipe SDR 11 IPS - 20 Foot Lengths, Capped

- Additional lengths available on special order

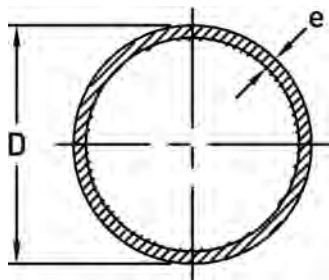
Size (inch)	SDR	Part No.	D (inch)	e (inch)	Lift Qty (ft)	PSI	Weight (lbs/ft)
2	11	360 031 975	2.375	0.216	1760	200	0.640
3	11	360 032 014	3.500	0.318	1000	200	1.390
4	11	360 031 941	4.500	0.409	580	200	2.310
6	11	360 032 015	6.625	0.602	260	200	5.000
8	11	360 032 034	8.625	0.784	200	200	8.470
10	11	360 032 016	10.750	0.977	80	200	13.160
12	11	360 061 251	12.750	1.159	80	200	18.510
14	11	360 032 017	14.000	1.273	60	200	22.320
16	11	360 032 018	16.000	1.455	60	200	29.150
18	11	360 061 563	18.000	1.636	40	200	36.890
20	11	360 061 564	20.000	1.818	40	200	45.540
22	11	360 061 565	22.000	2.000	40	200	55.100
24	11	360 061 566	24.000	2.182	40	200	65.580
26	11	360 061 567	26.000	2.364	20	200	76.960
28	11	360 061 573	28.000	2.545	20	200	82.260
30	11	360 061 574	30.000	2.727	20	200	102.470
32	11	360 061 575	32.000	2.909	20	200	116.580
36	11	360 061 576	36.000	3.273	20	200	147.550



Design-Flow Industrial Grade PE4710 Pipe SDR 17 IPS - 20 Foot Lengths, Capped

- Additional lengths available on special order

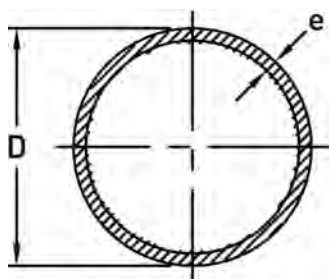
Size (inch)	SDR	Part No.	D (inch)	e (inch)	Lift Qty (ft)	PSI	Weight (lbs/ft)
2	17	360 060 228	2.375	0.140	1760	130	0.430
3	17	360 031 974	3.500	0.206	1000	130	0.940
4	17	360 031 968	4.500	0.265	580	130	1.550
6	17	360 031 967	6.625	0.390	260	130	3.360
8	17	360 061 577	8.625	0.507	200	130	5.690
10	17	360 031 976	10.750	0.632	80	130	8.830
12	17	360 032 277	12.750	0.750	80	130	12.430
14	17	360 061 578	14.000	0.824	60	130	14.980
16	17	360 061 256	16.000	0.941	60	130	19.570
18	17	360 032 212	18.000	1.059	40	130	24.770
20	17	360 032 065	20.000	1.176	40	130	30.580
22	17	360 061 579	22.000	1.294	40	130	37.000
24	17	360 061 234	24.000	1.412	40	130	44.030
26	17	360 061 580	26.000	1.529	20	130	51.670
28	17	360 061 581	28.000	1.647	20	130	59.930
30	17	360 061 582	30.000	1.765	20	130	68.800
32	17	360 061 583	32.000	1.882	20	130	78.280
36	17	360 061 584	36.000	2.118	20	130	99.070



Design-Flow PE4710 Pipe SDR 7 IPS - 40 Foot Lengths

- Additional lengths available on special order

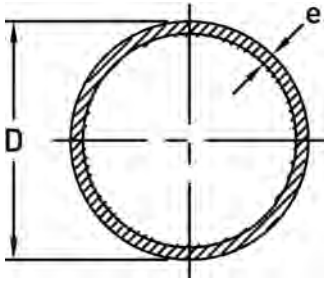
Size (inch)	SDR	Part No.	D (inch)	e (inch)	Weight (lb)
2	7	360 030 506	2.375	0.339	0.950
3	7	360 030 524	3.500	0.500	2.060
4	7	360 030 545	4.500	0.643	3.400
6	7	360 030 571	6.625	0.946	7.370
8	7	360 030 625	8.625	1.232	12.500
10	7	360 030 679	10.750	1.536	19.420
12	7	360 030 733	12.750	1.821	27.310
14	7	360 030 787	14.000	2.000	32.930
16	7	360 030 811	16.000	2.286	43.010
18	7	360 030 865	18.000	2.571	54.430
20	7	360 060 907	20.000	2.857	67.200
22	7	360 030 949	22.000	3.143	81.320
24	7	360 030 991	24.000	3.429	96.770



Design-Flow PE4710 Pipe SDR 9 IPS - 40 Foot Lengths

- Additional lengths available on special order

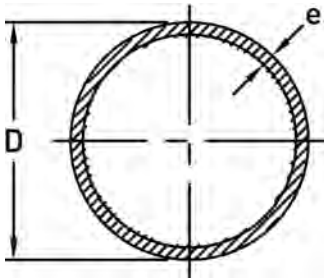
Size (inch)	SDR	Part No.	D (inch)	e (inch)	Weight (lb)
2	9	360 030 509	2.375	0.264	0.770
3	9	360 030 527	3.500	0.389	1.660
4	9	360 030 548	4.500	0.500	2.750
6	9	360 030 577	6.625	0.736	5.960
8	9	360 030 631	8.625	0.958	10.110
10	9	360 030 685	10.750	1.194	15.700
12	9	360 030 739	12.750	1.417	22.080
14	9	360 030 793	14.000	1.556	26.630
16	9	360 030 817	16.000	1.778	34.780
18	9	360 030 871	18.000	2.000	44.020
20	9	360 030 913	20.000	2.222	54.340
22	9	360 030 955	22.000	2.444	65.750
24	9	360 030 997	24.000	2.667	78.250
26	9	360 031 035	26.000	2.889	91.840
28	9	360 031 047	28.000	3.111	106.510
30	9	360 031 059	30.000	3.333	122.270
32	9	360 031 073	32.000	3.556	139.120



Design-Flow PE4710 Pipe SDR 11 IPS - 40 Foot Lengths

- Additional lengths available on special order

Size (inch)	SDR	Part No.	D (inch)	e (inch)	Weight (lb)
2	11	360 030 512	2.375	0.216	0.640
3	11	360 030 530	3.500	0.318	1.390
4	11	360 030 551	4.500	0.409	2.310
6	11	360 030 583	6.625	0.602	5.000
8	11	360 030 637	8.625	0.784	8.470
10	11	360 030 691	10.750	0.977	13.160
12	11	360 030 745	12.750	1.159	18.510
14	11	360 030 799	14.000	1.273	22.320
16	11	360 030 823	16.000	1.455	29.150
18	11	360 030 877	18.000	1.636	36.890
20	11	360 030 919	20.000	1.818	45.540
22	11	360 030 961	22.000	2.000	55.100
24	11	360 031 003	24.000	2.182	65.580
26	11	360 031 037	26.000	2.364	76.960
28	11	360 031 049	28.000	2.545	89.260
30	11	360 031 061	30.000	2.727	102.470
32	11	360 031 075	32.000	2.909	116.580
36	11	360 031 085	36.000	3.273	147.550



Design-Flow PE4710 Pipe SDR 17 IPS - 40 Foot Lengths

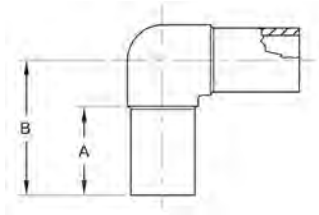
- Additional lengths available on special order

Size (inch)	SDR	Part No.	D (inch)	e (inch)	Weight (lb)
2	17	360 030 518	2.375	0.140	0.430
3	17	360 030 539	3.500	0.206	0.940
4	17	360 030 560	4.500	0.265	1.550
6	17	360 030 601	6.625	0.390	3.360
8	17	360 030 655	8.625	0.507	5.690
10	17	360 030 709	10.750	0.632	8.830
12	17	360 030 763	12.750	0.750	12.430
14	17	360 030 805	14.000	0.824	14.980
16	17	360 030 841	16.000	0.941	19.570
18	17	360 030 883	18.000	1.059	24.770
20	17	360 030 925	20.000	1.176	30.580
22	17	360 030 967	22.000	1.294	37.000
24	17	360 031 009	24.000	1.412	44.030
26	17	360 031 039	26.000	1.529	51.670
28	17	360 031 051	28.000	1.647	59.930
30	17	360 031 063	30.000	1.765	68.800
32	17	360 031 077	32.000	1.882	78.280
36	17	360 031 087	36.000	2.118	99.070

Molded Fittings

Butt Fusion Fittings

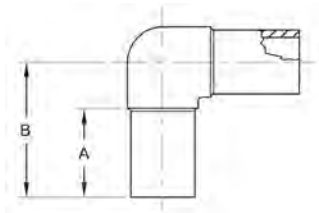
90 Elbows



Design-Flow 90 Elbow Butt PE4710 SDR7 IPS - Molded

Please call for more information on availability, pricing, other sizes and dimensions.

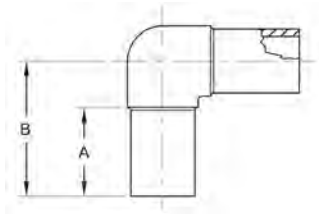
Size	SDR	Part No.	A (inch)	B (inch)	Box Qty	Weight (lb)
2	7	360 003 514	2.81	4.50	10	0.816
3	7	360 019 890	3.00	5.13	10	1.874
4	7	360 019 897	3.00	5.75	10	3.748
6	7	360 019 901	4.38	9.18	2	10.803
8	7	360 019 905	6.00	12.00	2	25.000



Design-Flow 90 Elbow Butt PE4710 SDR9/9.3 IPS - Molded

Please call for more information on availability, pricing, other sizes and dimensions.

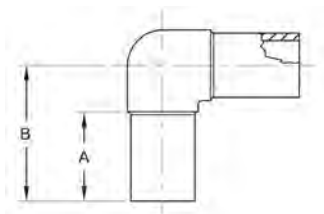
Size	SDR	Part No.	A (inch)	B (inch)	Box Qty	Weight (lb)
¾	9.3	360 000 230	2.63	4.00	100	0.154
1	9.3	360 000 236	2.63	4.00	100	0.198
1 ¼	9.3	360 000 239	2.63	4.00	100	0.309
1 ½	9.3	360 000 243	2.63	4.00	80	0.375
2	9/9.3	360 000 020	2.81	4.50	10	0.683
3	9/9.3	360 000 021	3.00	5.13	10	2.116
4	9/9.3	360 000 281	3.00	5.75	10	3.616
6	9/9.3	360 000 295	4.38	9.00	2	9.965
8	9	360 000 309	6.00	12.00	2	24.010
10	9	360 000 255	6.00	13.25	1	43.500
12	9	360 000 266	7.50	15.88	1	63.010



Design-Flow 90 Elbow Butt PE 4710 SDR11 IPS - Molded

Please call for more information on availability, pricing, other sizes and dimensions.

Size (inch)	SDR	Part No.	A (inch)	B (inch)	Box Qty	Weight (lb)
¾	11	360 000 228	1.75	3.06	100	0.088
1	11	360 000 234	1.75	3.19	100	0.132
1 ¼	11	360 000 238	1.80	3.38	100	0.265
1 ½	11	360 000 241	2.33	4.02	80	0.331
2	11	360 000 040	2.52	4.68	10	0.661
3	11	360 000 041	3.12	5.63	10	1.631
4	11	360 029 251	3.87	6.90	10	3.241
6	11	360 000 043	4.64	9.18	2	7.848
8	11	360 000 044	6.33	11.95	2	17.240
10	11	360 000 045	6.00	13.25	1	35.803
12	11	360 000 046	7.50	15.88	1	59.701

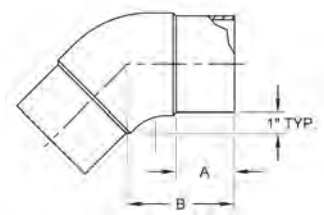


Design-Flow 90 Elbow Butt PE4710 SDR17 IPS - Molded

Please call for more information on availability, pricing, other sizes and dimensions.

Size	SDR	Part No.	A (inch)	B (inch)	Box Qty	Weight (lb)
2	17	360 000 268	2.52	4.68	10	0.529
3	17	360 000 271	3.16	5.99	10	1.521
4	17	360 029 250	3.87	6.90	10	3.395
6	17	360 000 289	4.64	9.18	2	7.297
8	17	360 000 304	6.33	11.95	2	16.006
10	17	360 000 252	6.00	13.25	1	33.003
12	17	360 000 263	7.50	15.88	1	52.007

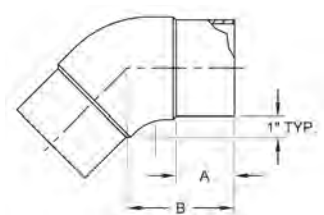
45 Elbows



Design-Flow 45 Elbow Butt PE4710 SDR7 IPS - Molded

Please call for more information on availability, pricing, other sizes and dimensions.

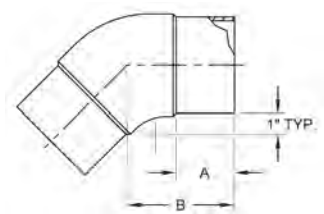
Size (inch)	SDR	Part No.	A (inch)	B (inch)	Box Qty	Weight (lb)
2	7	360 000 187	2.64	3.23	10	1.323
3	7	360 019 860	2.76	5.00	10	1.852
4	7	360 019 864	3.02	5.00	10	3.307
6	7	360 019 866	4.11	7.00	2	8.995
8	7	360 019 871	6.21	11.00	2	23.810



Design-Flow 45 Elbow Butt PE4710 SDR9/9.3 IPS - Molded

Please call for more information on availability, pricing, other sizes and dimensions.

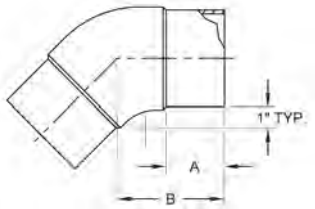
Size (inch)	SDR	Part No.	A (inch)	B (inch)	Box Qty	Weight (lb)
3	9/9.3	360 000 019	2.89	5.00	10	1.808
4	9/9.3	360 000 203	2.77	5.00	10	2.800
6	9	360 000 216	4.11	7.00	2	7.430
8	9	360 000 227	6.21	11.00	2	24.008
10	9	360 000 175	5.64	13.25	1	42.990
12	9	360 000 186	7.13	15.75	1	67.991



Design-Flow 45 Elbow Butt PE4710 SDR11 IPS - Molded

Please call for more information on availability, pricing, other sizes and dimensions.

Size	SDR	Part No.	A (inch)	B (inch)	Box Qty	Weight (lb)
2	11	360 004 405	2.42	3.23	10	1.500
3	11	360 029 267	3.13	5.00	10	2.000
4	11	360 029 039	3.00	5.00	10	3.020
6	11	360 028 266	4.38	7.00	2	8.620
8	11	360 019 868	6.00	11.00	2	18.629
10	11	360 000 052	6.00	13.25	1	41.491
12	11	360 000 178	7.50	15.75	1	60.010

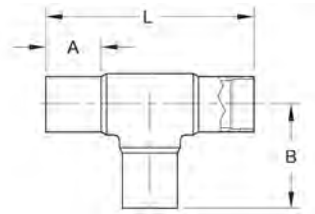


Design-Flow 45 Elbow Butt PE4710 SDR17 IPS - Molded

Please call for more information on availability, pricing, other sizes and dimensions.

Size	SDR	Part No.	A (inch)	B (inch)	Box Qty	Weight (lb)
2	17	360 019 854	2.42	3.23	10	1.500
3	17	360 000 189	3.46	5.00	10	1.521
4	17	360 029 042	3.00	5.00	10	2.535
6	17	360 029 044	4.38	7.00	2	8.047
8	17	360 028 219	6.00	11.00	2	17.725
10	17	360 000 173	6.00	13.25	1	38.008
12	17	360 000 184	7.50	15.90	1	58.996

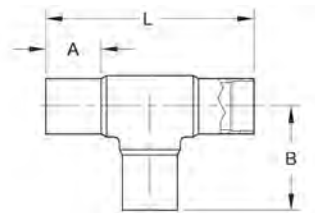
Tees



Design-Flow Tee Butt PE4710 SDR7 IPS - Molded

Please call for more information on availability, pricing, other sizes and dimensions.

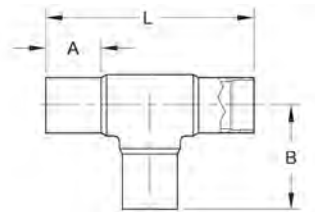
Size (inch)	SDR	Part No.	A (inch)	B (inch)	L (inch)	Box Qty	Weight (lb)
2	7	360 020 015	2.81	4.75	9.36	10	1.102
3	7	360 020 019	3.00	5.13	10.26	10	2.690
4	7	360 020 025	2.77	5.80	11.60	10	4.652
6	7	360 020 030	4.11	9.00	18.00	1	15.168
8	7	360 020 036	5.67	12.00	24.00	1	34.877



Design-Flow Tee Butt PE4710 SDR9/9.3 IPS - Molded

Please call for more information on availability, pricing, other sizes and dimensions.

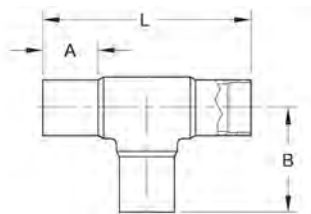
Size (inch)	SDR	Part No.	A (inch)	B (inch)	L (inch)	Box Qty	Weight (lb)
2	9/9.3	360 000 038	2.69	4.75	9.36	10	0.904
3	9/9.3	360 000 523	2.67	5.13	10.26	10	2.315
4	9	360 000 534	2.70	5.60	11.20	10	4.453
6	9	360 000 547	4.11	9.00	18.00	1	15.102
8	9	360 000 560	5.67	12.00	24.00	1	34.106
10	9	360 000 501	5.64	13.25	26.50	1	58.996
12	9	360 000 513	7.50	15.88	31.75	1	91.007



Design-Flow Tee Butt PE4710 SDR11 IPS - Molded

Please call for more information on availability, pricing, other sizes and dimensions.

Size (inch)	SDR	Part No.	A (inch)	B (inch)	L (inch)	Box Qty	Weight (lb)
¾	11	360 000 477	1.64	3.06	6.12	50	0.044
1	11	360 000 482	1.63	3.19	6.38	100	0.198
1 ¼	11	360 000 486	1.76	3.38	6.76	50	0.419
1 ½	11	360 000 487	2.18	4.25	8.50	40	0.419
2	11	360 000 514	2.81	4.61	9.28	10	0.904
3	11	360 000 519	3.16	5.99	11.98	10	2.205
4	11	360 029 052	3.90	6.87	13.73	8	4.762
6	11	360 000 538	4.38	9.00	18.00	1	10.560
8	11	360 000 551	6.19	12.00	24.00	1	29.895
10	11	360 000 053	6.00	13.25	26.50	1	50.001
12	11	360 000 504	7.50	15.88	31.75	1	77.007

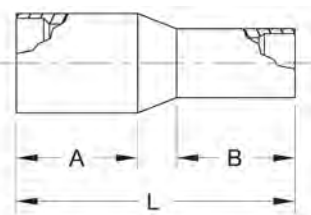


Design-Flow Tee Butt PE4710 SDR17 IPS - Molded

Please call for more information on availability, pricing, other sizes and dimensions.

Size (inch)	SDR	Part No.	A (inch)	B (inch)	L (inch)	Box Qty	Weight (lb)
2	17	360 000 517	2.81	4.61	9.28	10	0.992
3	17	360 000 521	3.16	5.99	11.98	10	2.094
4	17	360 029 305	3.90	7.30	14.60	8	4.390
6	17	360 000 542	4.38	9.00	18.00	1	13.492
8	17	360 000 555	6.19	12.00	24.00	1	22.994
10	17	360 000 499	6.00	13.25	26.50	1	44.495
12	17	360 000 510	7.50	15.88	31.75	1	71.011

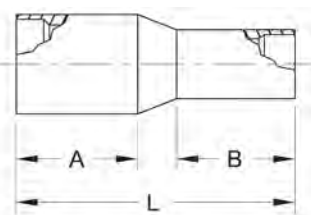
Reducer Bushings



Design-Flow Reducer Bushing Butt PE4710 SDR11 IPS - Molded

Please call for more information on availability, pricing, other sizes and dimensions.

Size	SDR	Part No.	A (inch)	B (inch)	L (inch)	Weight (lb)
1½ x 1	11	360 018 340	1.86	1.92	4.25	0.110
1½ x 1	11	360 062 336	2.50	2.28	5.75	0.154
3 x 2	11	360 003 439	3.35	2.56	7.15	1.000
4 x 2	11	360 003 440	3.50	2.75	7.88	1.000
4 x 3	11	360 000 069	3.50	3.00	7.63	1.323
6 x 3	11	360 018 370	5.12	3.94	11.42	2.000
6 x 4	11	360 018 387	4.38	3.75	9.50	3.042
8 x 6	11	360 018 388	4.75	5.06	11.81	7.011
10 x 6	11	360 018 393	6.00	6.00	12.00	14.595
10 x 8	11	360 003 453	6.00	6.00	16.00	13.977
12 x 8	11	360 029 046	6.00	6.25	16.59	18.298
12 x 10	11	360 018 413	6.50	6.25	14.75	20.194

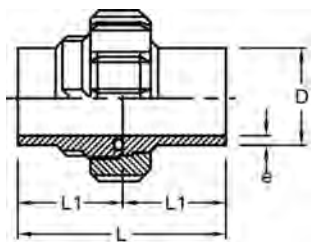


Design-Flow Reducer Bushing Butt PE4710 SDR17 IPS - Molded

Please call for more information on availability, pricing, other sizes and dimensions.

Size	SDR	Part No.	A (inch)	B (inch)	L (inch)	Weight (lb)
3 x 2	17	360 003 496	3.35	2.56	7.15	1.000
4 x 2	17	360 062 337	2.96	2.75	7.16	1.000
4 x 3	17	360 003 490	3.50	3.00	7.63	1.190
6 x 3	17	360 018 371	5.12	3.94	11.42	2.000
6 x 4	17	360 000 035	4.38	3.75	9.50	3.000
8 x 6	17	360 003 497	5.06	4.75	11.81	7.000
10 x 8	17	360 019 962	6.62	6.25	14.86	12.610
12 x 8	17	360 029 050	6.00	6.25	16.59	16.000
12 x 10	17	360 029 049	6.50	6.25	14.75	17.924

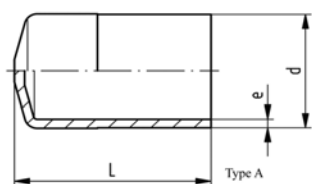
Union



Union PE4710 Butt SDR 11

Size	SDR	Part No.	D (inch)	L (inch)	L1 (inch)	e (inch)	Weight (lb)
2	11	153 518 511	2.38	6.00	3.00	0.216	0.40
3	11	153 518 513	3.50	6.00	3.00	0.318	0.60
4	11	153 518 514	4.50	6.00	3.00	0.409	0.80

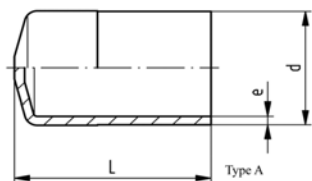
Caps



Design-Flow Caps PE4710 Butt SDR 11 - Molded

Please call for more information on availability, pricing, other sizes and dimensions.

Size	SDR	Part No.	d (inch)	L (inch)	e (inch)	Weight (lb)
2	11	360 000 334	2.38	2.95	0.22	0.500
3	11	360 000 338	3.50	7.43	0.32	0.794
4	11	360 000 343	4.50	7.75	0.42	1.367
6	11	360 000 352	6.63	6.44	0.60	2.579
8	11	360 000 363	8.63	7.95	0.79	5.975
10	11	360 003 452	10.75	10.05	0.98	
12	11	360 003 454	12.75	11.93	1.16	19.643

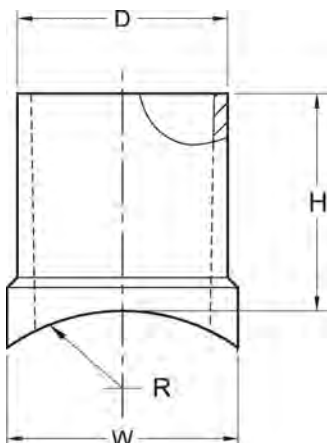


Design-Flow Caps PE4710 Butt SDR 17 - Molded

Please call for more information on availability, pricing, other sizes and dimensions.

Size	SDR	Part No.	d (inch)	L (inch)	e (inch)	Weight (lb)
2	17	360 000 336	2.38	2.95	0.14	0.450
3	17	360 000 339	2.88	7.43	0.21	0.838
4	17	360 000 347	3.00	7.75	0.27	1.279
6	17	360 003 442	6.63	6.44	0.39	2.337
8	17	360 003 500	8.63	7.95	0.51	5.556
10	17	360 015 444	10.75	10.05	0.63	
12	17	360 015 448	12.75	12.44	0.75	18.000

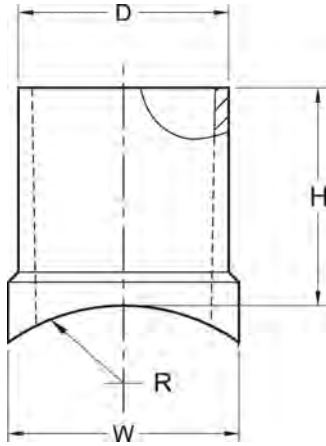
Saddles



Design-Flow Round Base Branch Saddle PE4710 Butt 2" Outlet SDR 9.3

Please call for more information on availability, pricing, other sizes and dimensions.

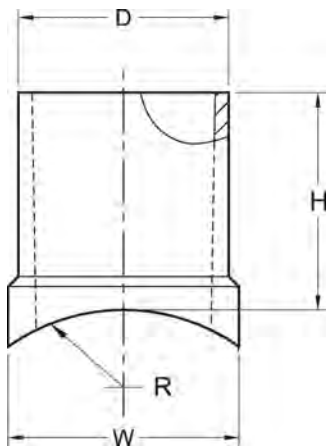
Size	SDR	Part No.	H (inch)	W (inch)	D (inch)	Weight (lb)
2	9.3	360 000 605	3.00	2.63	2.37	0.220
3	9.3	360 000 618	3.00	2.63	2.37	0.220
4	9.3	360 003 588	3.00	2.63	2.37	0.220



Design-Flow Round Base Branch Saddle PE4710 Butt 2" Outlet SDR 11

Please call for more information on availability, pricing, other sizes and dimensions.

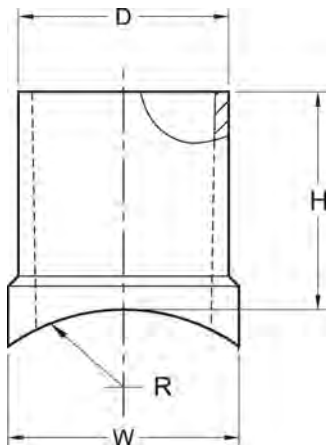
Size	SDR	Part No.	H (inch)	W (inch)	D (inch)	Weight (lb)
2	11	360 003 581	3.00	2.63	2.37	0.265
3	11	360 000 572	3.00	2.63	2.37	0.220
4	11	360 000 586	3.00	2.63	2.37	0.220
6	11	360 000 601	3.00	2.63	2.37	0.220
8	11	360 000 614	3.00	2.63	2.37	0.220
10	11	360 003 583	3.00	2.63	2.37	0.198
12	11	360 003 049	3.00	2.63	2.37	0.198
14	11	360 003 586	3.00	2.63	2.37	0.198
16	11	360 003 587	3.00	2.63	2.37	0.220
18	11	360 003 589	3.00	2.63	2.37	0.220
24	11	360 003 565	3.00	2.63	2.37	0.198



Design-Flow Round Base Branch Saddle PE4710 Butt 2" Outlet SDR 9.3

Please call for more information on availability, pricing, other sizes and dimensions.

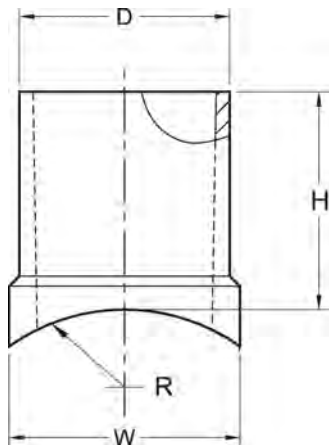
Size (inch)	SDR	Part No.	H (inch)	W (inch)	D (inch)	Weight (lb)
4	17	360 000 590	3.00	2.63	2.37	0.198



Design-Flow Round Base Branch Saddle PE4710 Butt 3" Outlet SDR 11

Please call for more information on availability, pricing, other sizes and dimensions.

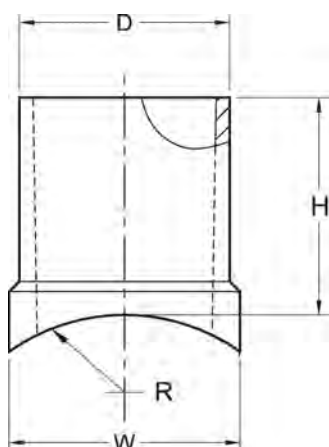
Size	SDR	Part No.	H (inch)	W (inch)	D (inch)	Weight (lb)
4	11	360 000 592	4.00	3.88	3.50	0.683
6	11	360 000 607	4.00	3.88	3.50	0.617
8	11	360 000 620	4.00	3.88	3.50	0.639
10	11	360 003 590	4.00	3.88	3.50	0.639
12	11	360 003 592	4.00	3.88	3.50	0.617
14	11	360 003 594	4.00	3.88	3.50	0.639
16	11	360 003 595	4.00	3.88	3.50	0.705
18	11	360 003 596	4.00	3.88	3.50	0.595
20	11	360 003 597	4.00	3.88	3.50	0.705
24	11	360 003 566	4.00	3.88	3.50	0.617



Design-Flow Round Base Branch Saddle PE4710 Butt 3" Outlet SDR 17

Please call for more information on availability, pricing, other sizes and dimensions.

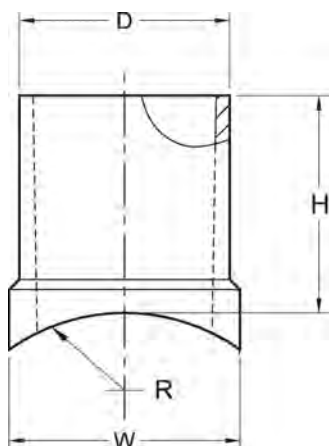
Size	SDR	Part No.	H (inch)	W (inch)	D (inch)	Weight (lb)
10	17	360 003 591	4.00	3.88	3.50	0.661
12	17	360 003 593	4.00	3.88	3.50	0.661



Design-Flow Round Base Branch Saddle PE4710 Butt 4" Outlet SDR 9.3

Please call for more information on availability, pricing, other sizes and dimensions.

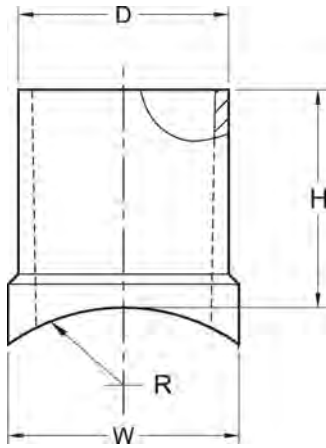
Size	SDR	Part No.	H (inch)	W (inch)	D (inch)	Weight (lb)
4	9.3	360 000 595	4.00	4.80	4.50	1.168
26	9.3	360 000 571	4.00	4.80	4.50	1.102
16	9.3	360 003 603	4.00	4.80	4.50	1.609



Design-Flow Round Base Branch Saddle PE4710 Butt 4" Outlet SDR 11

Please call for more information on availability, pricing, other sizes and dimensions.

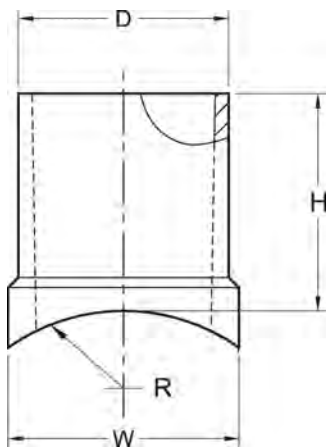
Size	SDR	Part No.	H (inch)	W (inch)	D (inch)	Weight (lb)
6	11	360 000 609	4.00	4.80	4.50	0.948
8	11	360 000 622	4.00	4.80	4.50	1.102
10	11	360 003 599	4.00	4.80	4.50	1.080
12	11	360 003 600	4.00	4.80	4.50	1.257
14	11	360 003 602	4.00	4.88	4.50	1.036
16	11	360 003 604	4.00	4.88	4.50	1.168
18	11	360 003 605	4.00	4.88	4.50	1.058
20	11	360 003 606	4.00	4.88	4.50	0.992
24	11	360 000 567	4.00	4.88	4.50	2.006
30	11	360 000 580	4.00	4.88	4.50	2.006
36	11	360 000 583	4.00	4.88	4.50	2.006
48	11	360 000 597	4.00	4.88	4.50	1.984



Design-Flow Round Base Branch Saddle PE4710 Butt 4" Outlet SDR 17

Please call for more information on availability, pricing, other sizes and dimensions.

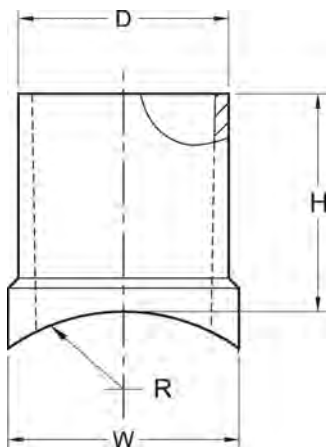
Size	SDR	Part No.	H (inch)	W (inch)	D (inch)	Weight (lb)
8	17	360 000 624	4.00	4.80	4.50	0.970



Design-Flow Round Base Branch Saddle PE4710 Butt 6" Outlet SDR 11

Please call for more information on availability, pricing, other sizes and dimensions.

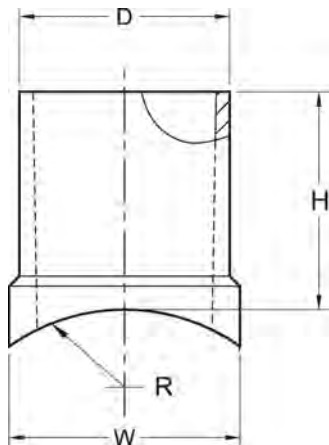
Size	SDR	Part No.	H (inch)	W (inch)	D (inch)	Weight (lb)
8	11	360 000 626	5.13	6.81	6.62	0.529
10	11	360 003 607	5.13	6.81	6.62	3.042
12	11	360 003 608	5.13	6.81	6.62	2.822
14	11	360 003 610	5.13	6.81	6.62	3.197
16	11	360 003 613	5.13	6.81	6.62	2.888
18	11	360 003 615	5.13	6.81	6.62	2.844
20	11	360 003 616	5.13	6.81	6.62	2.998
22	11	360 000 563	5.13	6.81	6.62	2.998
24	11	360 000 568	5.13	6.81	6.62	2.844
30	11	360 000 581	5.13	6.81	6.62	2.998
36	11	360 000 584	5.13	6.81	6.62	2.998



Design-Flow Round Base Branch Saddle PE4710 Butt 6" Outlet SDR 17

Please call for more information on availability, pricing, other sizes and dimensions.

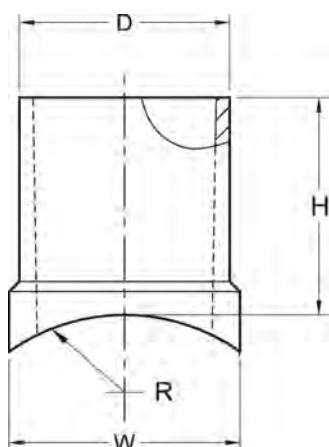
Size	SDR	Part No.	H (inch)	W (inch)	D (inch)	Weight (lb)
8	17	360 000 629	5.13	6.81	6.62	2.998
10	17	360 003 048	5.13	6.81	6.62	2.998
14	17	360 003 611	5.13	6.81	6.62	2.910
16	17	360 003 614	5.13	6.81	6.62	3.064



Design-Flow Round Base Branch Saddle PE4710 Butt 8" Outlet SDR 9

Please call for more information on availability, pricing, other sizes and dimensions.

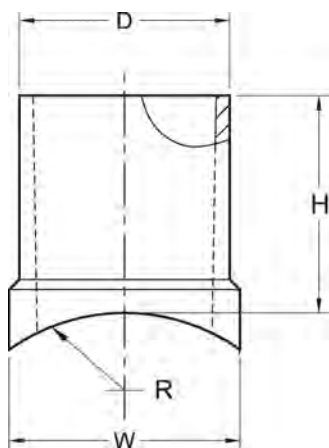
Size	SDR	Part No.	H (inch)	W (inch)	D (inch)	Weight (lb)
12	9	360 003 618	7.97	9.00	8.62	8.003



Design-Flow Round Base Branch Saddle PE4710 Butt 8" Outlet SDR 11

Please call for more information on availability, pricing, other sizes and dimensions.

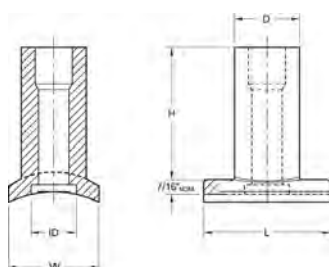
Size	SDR	Part No.	H (inch)	W (inch)	D (inch)	Weight (lb)
10	11	360 003 617	7.97	9.00	8.62	7.209
12	11	360 003 619	7.97	9.00	8.62	7.319
14	11	360 003 620	7.97	9.00	8.62	7.363
16	11	360 003 621	7.97	9.00	8.62	7.893
18	11	360 003 622	7.97	9.00	8.62	7.033
20	11	360 000 562	7.97	9.00	8.62	7.077
24	11	360 000 569	7.97	9.00	8.62	6.900
36	11	360 000 585	7.97	9.00	8.62	7.606
48	11	360 000 599	7.97	9.00	8.62	7.496



Design-Flow Round Base Branch Saddle PE4710 Butt 12" Outlet SDR 11

Please call for more information on availability, pricing, other sizes and dimensions.

Size	SDR	Part No.	H (inch)	W (inch)	D (inch)	Weight (lb)
16	11	360 003 623	9.47	13.35	12.75	19.996
18	11	360 003 624	9.47	13.35	12.75	19.996
20	11	360 003 625	9.47	13.35	12.75	19.996
24	11	360 000 564	9.47	13.35	12.75	19.996
36	11	360 000 582	9.47	13.35	12.75	19.996
48	11	360 000 596	9.47	13.35	12.75	19.996



Design-Flow Service Saddle PE4710 Combo Outlet - 3/4" IPS Butt, 1/2" IPS Socket

Please call for more information on availability, pricing, other sizes and dimensions.

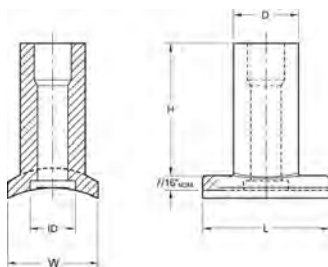
Size (inch)	SDR	Part No.	D (inch)	H (inch)	L (inch)	W (inch)	ID (inch)	Box Qty	Weight (lb)
1 1/4	11	360 002 246	1.05	2.83	2.83	2.00	0.79	100	0.132
1 1/2	11	360 002 257	1.05	2.83	2.83	2.00	0.79	100	0.110
2	11	360 002 276	1.05	2.83	2.83	2.00	0.79	100	0.110
3	11	360 002 298	1.05	2.83	2.44	2.00	0.79	100	0.088
4	11	360 002 319	1.05	2.83	2.44	2.00	0.79	100	0.088
6	11	360 002 336	1.05	2.83	2.44	2.00	0.79	100	0.110
8	11	360 002 351	1.05	2.83	2.44	2.00	0.79	100	0.088



Design-Flow Service Saddle PE4710 Combo Outlet - 1" IPS Butt, 3/4" IPS Socket

Please call for more information on availability, pricing, other sizes and dimensions.

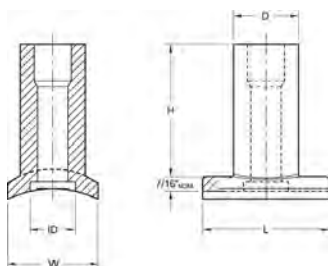
Size (inch)	SDR	Part No.	D (inch)	H (inch)	L (inch)	W (inch)	ID (inch)	Box Qty	Weight (lb)
1 1/4	11	360 002 252	1.31	2.83	2.44	2.00	0.94	100	0.154
1 1/2	11	360 002 265	1.31	2.83	2.44	2.00	0.94	100	0.132
2	11	360 002 288	1.31	2.83	2.44	2.00	0.94	100	0.132
3	11	360 002 309	1.31	2.83	2.44	2.00	0.94	100	0.154
4	11	360 002 329	1.31	2.83	2.44	2.00	0.94	100	0.132
6	11	360 002 348	1.31	2.83	2.44	2.00	0.94	100	0.132
8	11	360 002 354	1.31	2.83	2.44	2.00	0.94	100	0.132



Design-Flow Service Saddle PE4710 Combo Outlet - 1 1/2" IPS Butt, 1" IPS Socket

Please call for more information on availability, pricing, other sizes and dimensions.

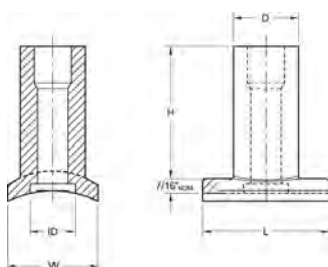
Size (inch)	SDR	Part No.	D (inch)	H (inch)	L (inch)	W (inch)	ID (inch)	Box Qty	Weight (lb)
1 1/2	11	360 002 264	1.66	2.83	2.44	2.00	1.00	50	0.176
2	11	360 002 286	1.66	2.83	2.44	2.00	1.00	50	0.243
3	11	360 002 307	1.66	2.83	2.44	2.00	1.00	50	0.198
4	11	360 002 327	1.66	2.83	2.44	2.00	1.00	50	0.176
6	11	360 002 346	1.66	2.83	2.44	2.00	1.00	50	0.176



Design-Flow Service Saddle PE4710 Socket Outlet - 1" IPS

Please call for more information on availability, pricing, other sizes and dimensions.

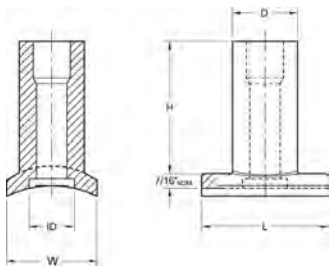
Size (inch)	SDR	Part No.	D (inch)	H (inch)	L (inch)	W (inch)	ID (inch)	Box Qty	Weight (lb)
1 1/4	11	360 002 247	1.68	2.83	2.44	2.00	1.00	50	0.198
1 1/2	11	360 002 259	1.68	2.83	2.44	2.00	1.00	50	0.176
2	11	360 002 278	1.68	2.83	2.44	2.00	1.00	50	0.176
3	11	360 002 300	1.68	2.83	2.44	2.00	1.00	50	0.198
4	11	360 002 321	1.68	2.83	2.44	2.00	1.00	50	0.176
6	11	360 002 352	1.68	2.83	2.44	2.00	1.00	50	0.176



Design-Flow Service Saddle PE4710 Socket Outlet - 1 1/2" IPS

Please call for more information on availability, pricing, other sizes and dimensions.

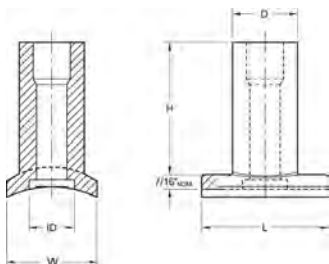
Size (inch)	SDR	Part No.	D (inch)	H (inch)	L (inch)	W (inch)	ID (inch)	Box Qty	Weight (lb)
2	11	360 002 284	2.45	2.16	2.94	2.37	1.37	50	0.331
3	11	360 002 304	2.45	2.16	2.94	2.37	1.37	50	0.331
4	11	360 002 325	2.45	2.16	2.94	2.37	1.37	50	0.331
6	11	360 002 343	2.45	2.16	2.94	2.37	1.37	50	0.309



Design-Flow Service Saddle PE4710 Socket Outlet - 1 1/4" IPS

Please call for more information on availability, pricing, other sizes and dimensions.

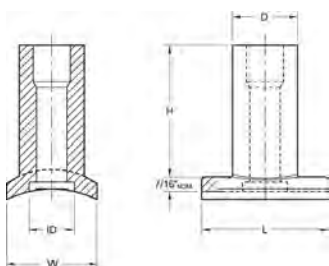
Size (inch)	SDR	Part No.	D (inch)	H (inch)	L (inch)	W (inch)	ID (inch)	Box Qty	Weight (lb)
1 1/4	9.3	360 002 245	1.05	1.81	2.94	1.76	0.79	100	0.132
1 1/2	9.3	360 002 255	1.05	1.81	2.94	1.76	0.79	100	0.132
2	9.3	360 002 275	1.05	1.81	2.94	1.76	0.79	100	0.132
3	9.3	360 002 297	1.05	1.81	2.94	1.76	0.79	100	0.132
4	9.3	360 002 318	1.05	1.81	2.94	1.76	0.79	100	0.132



Design-Flow Service Saddle PE4710 Butt Outlet - 3/4" IPS

Please call for more information on availability, pricing, other sizes and dimensions.

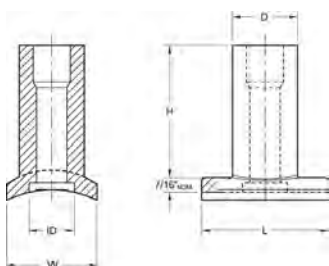
Size (inch)	SDR	Part No.	D (inch)	H (inch)	L (inch)	W (inch)	ID (inch)	Box Qty	Weight (lb)
1 1/4	11	360 002 244	1.05	1.81	2.44	1.73	0.66	100	0.088
1 1/2	11	360 002 253	1.05	1.81	2.44	1.73	0.66	100	0.044
2	11	360 002 274	1.05	1.81	2.44	1.73	0.66	100	0.066
3	11	360 002 296	1.05	1.81	2.44	1.73	0.66	100	0.044
4	11	360 002 317	1.05	1.81	2.44	1.73	0.66	100	0.066



Design-Flow Service Saddle PE4710 Butt Outlet - 1" IPS

Please call for more information on availability, pricing, other sizes and dimensions.

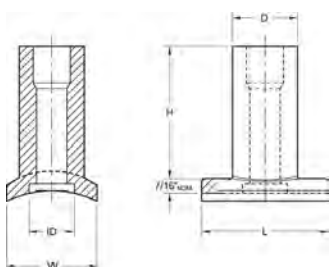
Size (inch)	SDR	Part No.	D (inch)	H (inch)	L (inch)	W (inch)	ID (inch)	Box Qty	Weight (lb)
1 1/4	9.3	360 002 251	1.31	1.81	1.73	1.73	0.88	100	0.176
1 1/2	9.3	360 002 262	1.31	1.81	1.73	1.73	0.88	100	0.176
2	9.3	360 002 282	1.31	1.81	1.73	1.73	0.88	100	0.176
3	9.3	360 002 302	1.31	1.81	1.73	1.73	0.88	100	0.176
4	9.3	360 002 324	1.31	1.81	1.73	1.73	0.88	100	0.176



Design-Flow Service Saddle PE4710 Butt Outlet - 1" IPS

Please call for more information on availability, pricing, other sizes and dimensions.

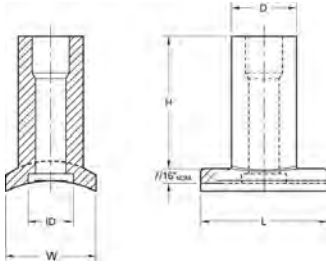
Size (inch)	SDR	Part No.	D (inch)	H (inch)	L (inch)	W (inch)	ID (inch)	Box Qty	Weight (lb)
1 1/4	11	360 002 250	1.31	1.81	1.73	1.73	0.88	100	0.066
1 1/2	11	360 001 398	1.31	1.81	1.73	1.73	0.88	100	0.075
2	11	360 002 280	1.31	1.81	1.73	1.73	0.88	100	0.066
3	11	360 002 301	1.31	1.81	1.73	1.73	0.88	100	0.066
4	11	360 002 322	1.31	1.81	1.73	1.73	0.88	100	0.066
6	11	360 002 341	1.31	1.81	1.73	1.73	0.88	100	0.066



Design-Flow Service Saddle PE4710 Butt Outlet - 1 1/2" IPS

Please call for more information on availability, pricing, other sizes and dimensions.

Size (inch)	SDR	Part No.	D (inch)	H (inch)	L (inch)	W (inch)	ID (inch)	Box Qty	Weight (lb)
2	9.3	360 002 287	1.90	2.97	2.13	2.13	1.62	30	0.132
3	9.3	360 002 308	1.90	2.97	2.13	2.13	1.62	30	0.132
4	9.3	360 002 328	1.90	2.97	2.13	2.13	1.62	30	0.132
6	9.3	360 002 347	1.90	2.97	2.13	2.13	1.62	30	0.132



Design-Flow Service Saddle PE4710 Butt Outlet - 1 1/2" IPS

Please call for more information on availability, pricing, other sizes and dimensions.

Size (inch)	SDR	Part No.	D (inch)	H (inch)	L (inch)	W (inch)	ID (inch)	Box Qty	Weight (lb)
8	11	360 002 353	1.66	3.69	2.44	2.00	1.05	50	0.154
10	11	360 002 267	1.66	3.69	2.44	2.00	1.05	50	0.154

MJ Adaptor

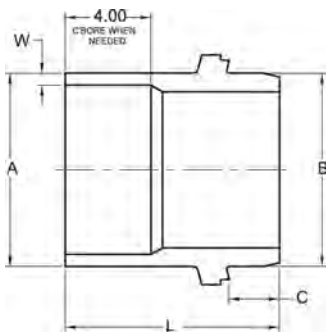


Design-Flow MJ Adaptor PE4710 IPS SDR11

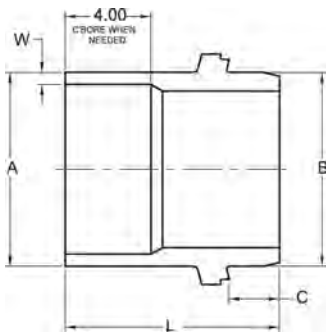
Please call for more information on availability, pricing, other sizes and dimensions.

Note: Beveled for Butterfly Valves available upon request. Standard 45° bevel unless otherwise specified by customer. Due to variations in valve dimensions, the installer should verify proper function of the valve at the time of installation.

- Approval: NSF-61
- Approval: AWWA C901
- Approval: ASTM D3261



Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	L (inch)	Box Qty	Weight (lb)
3	11	360 003 462	3.50	3.90	2.25	9.00	2	2.116
4	11	360 003 464	4.50	4.80	2.34	10.25	6	3.395
6	11	360 022 242	6.63	6.90	2.31	11.31	4	6.570
8	11	360 003 467	8.63	9.05	2.34	11.94	3	11.199
10	11	360 004 432	10.75	11.10	2.25	13.56	1	17.924
12	11	360 003 483	12.75	13.20	2.25	13.00	1	22.994



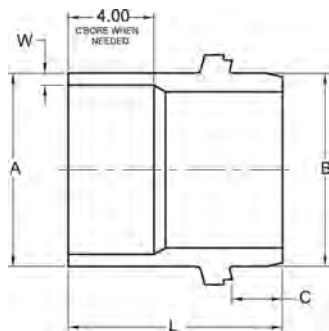
Design-Flow MJ Adaptor PE4710 IPS SDR11 - With Stiffener

Please call for more information on availability, pricing, other sizes and dimensions.

Note: Beveled for Butterfly Valves available upon request. Standard 45° bevel unless otherwise specified by customer. Due to variations in valve dimensions, the installer should verify proper function of the valve at the time of installation.

- Approval: NSF-61
- Approval: AWWA C901
- Approval: ASTM D3261

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	L (inch)	Box Qty	Weight (lb)
3	11	360 022 236	3.50	3.96	2.25	9.00	2	2.116
4	11	360 022 238	4.50	4.80	2.25	10.25	4	3.395
6	11	360 022 243	6.63	6.90	2.25	11.31	4	6.570
8	11	360 003 506	8.63	9.05	2.25	12.00	1	11.199
10	11	360 022 231	10.75	11.10	2.25	13.56	1	17.924
12	11	360 022 235	12.75	13.20	2.25	13.00	1	22.994

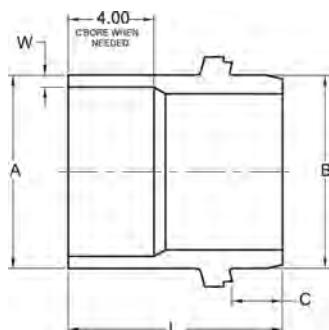


Design-Flow MJ Adaptor PE4710 IPS SDR17

Please call for more information on availability, pricing, other sizes and dimensions.
Note: Beveled for Butterfly Valves available upon request. Standard 45° bevel unless otherwise specified by customer. Due to variations in valve dimensions, the installer should verify proper function of the valve at the time of installation.

- Approval: NSF-61
- Approval: AWWA C906
- Approval: ASTM D3261

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	L (inch)	Box Qty	Weight (lb)
3	17	360 017 717	3.50	3.96	2.25	9.00	2	1.870
4	17	360 022 239	4.50	4.80	2.25	10.25	4	2.910
6	17	360 029 098	6.63	6.90	2.25	11.31	4	5.660
8	17	360 029 103	8.63	9.05	2.25	12.00	1	10.000
10	17	360 022 232	10.75	11.10	2.25	13.56	1	15.800
12	17	360 004 433	12.75	13.20	2.25	13.00	1	21.200



Design-Flow MJ Adaptor PE4710 IPS SDR17 - With Stiffener

Please call for more information on availability, pricing, other sizes and dimensions.
Note: Beveled for Butterfly Valves available upon request. Standard 45° bevel unless otherwise specified by customer. Due to variations in valve dimensions, the installer should verify proper function of the valve at the time of installation.

- Approval: NSF-61
- Approval: AWWA C906
- Approval: ASTM D3261

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	L (inch)	Box Qty	Weight (lb)
3	17	360 001 923	3.50	3.96	2.25	9.00	2	1.87
4	17	360 029 093	4.50	4.80	2.25	10.25	4	2.91
6	17	360 001 959	6.62	6.90	2.25	11.31	4	5.66
8	17	360 029 104	8.62	9.05	2.25	12.00	1	10.00
10	17	360 001 793	10.75	11.10	2.25	13.56	1	15.80
12	17	360 001 813	12.75	13.20	2.25	13.00	1	21.20



Design-Flow MJ Accessory Kit - With Ductile Iron Gland Ring, IPS/DIPS

- Approval: ANSI A21.11
- Approval: AWWA C111

Please call for more information on availability, pricing, other sizes and dimensions.
3" - 12" IPS/DIPS MJ Accessory Kit Includes: Ductile iron gland ring; Rubber gasket; T-bolts; Hex nuts

Size (inch)	Part No.	# of Bolts	Box Qty	Weight (lb)
3	360 000 664	4	1	5.952
4	360 000 665	4	1	7.804
6	360 001 775	6	1	12.181
8	360 003 513	6	1	
10	360 000 657	8	1	18.980
12	360 000 658	8	1	22.154



Design-Flow MJ Accessory Kit - Without Gland Ring, IPS/DIPS

- Approval: ANSI A21.11
- Approval: AWWA C111

Please call for more information on availability, pricing, other sizes and dimensions.

14" - 24" IPS/DIPS MJ Accessory Kit Includes: Rubber gasket; T-bolts; Heavy flat washers; Hex nuts. Does not include gland ring - black carbon steel ring must be ordered separately.

Size (inch)	Part No.	# of Bolts	Box Qty	Weight (lb)
14	360 000 659	10	1	14.136
16	360 000 660	12	1	16.541
18	360 000 661	12	1	16.685
20	360 000 662	14	1	19.696
24	360 000 663	16	1	22.436



Design-Flow MJ Accessory Kit - Carbon Steel Gland Ring, IPS/DIPS

Please call for more information on availability, pricing, other sizes and dimensions.

Size (inch)	Part No.	# of Bolts	Box Qty	Weight (lb)
14	360 000 652	10	1	47.995
16	360 000 653	12	1	54.800
18	360 000 654	12	1	66.125
20	360 000 655	14	1	79.505
24	360 000 656	16	1	108.002



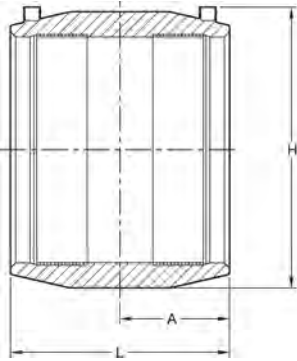
Design-Flow MJ Accessory Kit - Ductile Iron Gland Ring, IPS/DIPS

Please call for more information on availability, pricing, other sizes and dimensions.

Size (inch)	Part No.	# of Bolts	Box Qty	Weight (lb)
14	360 000 072	10	1	
16	360 000 073	12	1	
18	360 000 074	12	1	
20	360 000 075	14	1	
24	360 000 076	16	1	

Electrofusion Fittings

Coupler



Electrofusion Coupler PE4710 - SDR 11/17

Please call for more information on availability, pricing, other sizes and dimensions.
Note: Operating pressure is 200 psi for PE4710 couplings in allowable applications.

** For use with Bar-Code Processor Only

* Industrial Non-Compliant ASTM Fittings

- Approval: NSF-61
- Approval: ASTM F1055
- Approval: ASTM D2513; AWWA C906; FM1613; CL200
- Pin Type: 4.7R (4.7 Pin with Resistor)

Size (inch)	Part No.	H (inch)	L (inch)	A (inch)	Weight (lb)
½	360 000 885	1.88	2.88	1.44	0.132
¾	360 000 889	2.48	3.47	1.74	0.220
1	360 000 893	2.63	3.47	1.75	0.132
1 ½	360 000 899	3.36	4.33	2.17	0.331
2	360 000 920	3.77	4.72	2.36	0.375
3	360 000 933	5.10	5.63	2.82	1.168
4	360 000 936	6.22	6.14	3.07	1.676
6	360 000 939	8.70	8.35	4.10	4.497
8	360 000 944	11.20	9.48	4.70	8.444
10	360 000 902	13.15	10.39	5.20	15.741
12	360 000 905	15.82	11.50	5.75	23.104
14	360 000 909	17.24	12.13	6.06	35.186
16	360 000 913	19.65	13.54	6.77	47.091
18	360 000 917	22.13	14.96	7.48	65.610
20	360 000 924	24.57	16.46	8.23	91.007
22	360 000 926	27.21	17.95	8.98	117.991
24	360 000 930	30.59	19.50	9.75	177.009
26	360 000 932	28.27	19.51	9.76	155.007

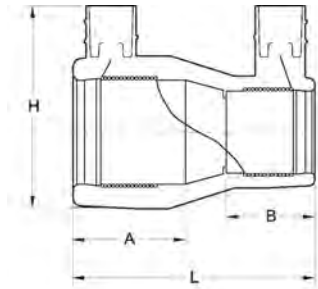
Reducer



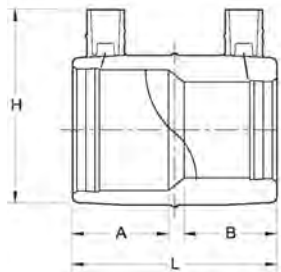
Electrofusion Reducer PE4710 - Molded

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: ASTM D2513
- Approval: ASTM F1055
- Pin Type: 4.7R (4.7 Pin with Resistor)
- Approval: AWWA C906



STYLE #1



STYLE #2

Size	Part No.	H (inch)	L (inch)	A (inch)	B (inch)	Box Qty	Weight (lb)
¾ x ½	360 021 360	2.50	3.28	1.25	1.47	40	0.132
1 x ½	360 001 071	2.60	3.28	1.46	1.53	30	0.154
1 x ¾	360 001 073	2.63	3.28	1.42	1.43	30	0.198
1 ¼ x 1	360 001 081	3.00	3.71	1.88	1.57	40	0.309
2 x 1 ¼	360 021 371	3.90	4.60	2.14	1.65	25	0.639

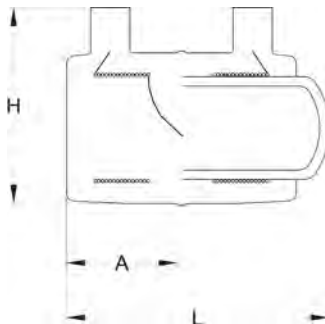
Cap



Electrofusion Cap PE4710

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: ASTM D2513
- Approval: ASTM F1055
- Pin Type: 4.7R (4.7 Pin with Resistor)
- Approval: AWWA C906



Size (inch)	Part No.	A (inch)	L (inch)	H (inch)	Box Qty	Weight (lb)
¾	360 000 860	1.36	3.52	2.32	50	0.220
1	360 000 862	1.57	3.82	2.56	40	0.220
1 ¼	360 000 866	1.82	5.13	3.00	40	0.353
2	360 000 869	2.09	4.94	3.82	25	0.595
3	360 000 871	2.72	10.30	5.18	10	2.138
4	360 000 874	3.00	10.89	6.51	4	3.064
6	360 000 876	4.10	14.71	8.70	4	8.951
8	360 000 879	4.70	15.61	11.20	1	7.011
12	360 000 868	5.75	17.68	15.70	1	23.900

Flex Restraint Fitting

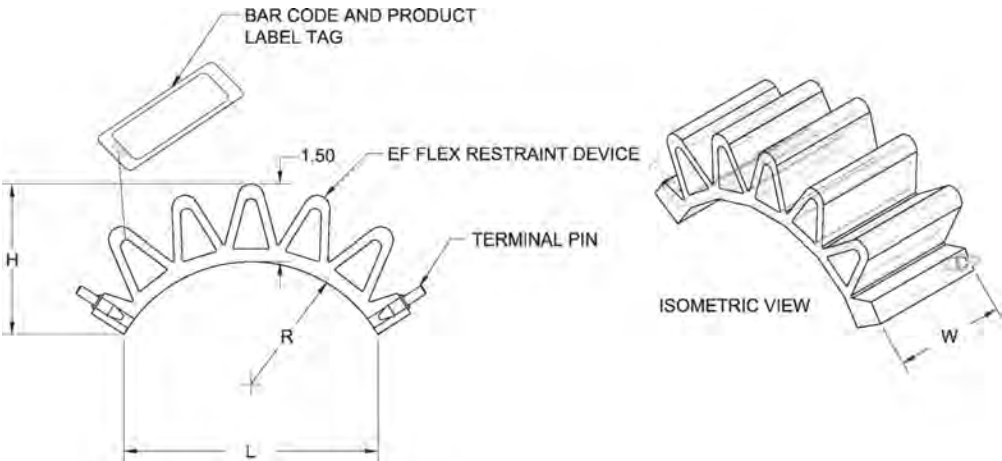


Electrofusion Flex Restraint Fitting

Note: Works on solid wall pipe 6" IPS and larger.
Please call for more information on availability, pricing, other sizes and dimensions.

- Pin Type: 4.7S (4.7 Solid Pin)

Size (inch)	Part No.	H (inch)	W (inch)	L (inch)	Box Qty	Weight (lb)
6 - 36	360 000 070	2.91	2.56	4.92	40	0.419



Saddles

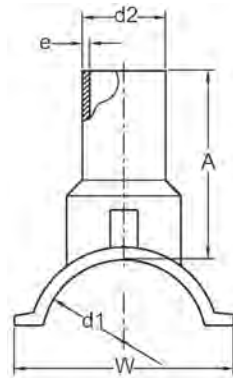


Electrofusion Branch Saddle SDR11

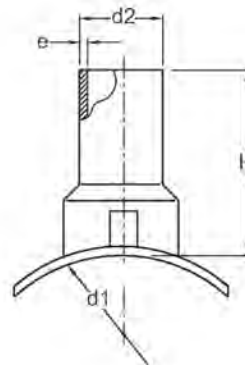
Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: NSF-61
- Full Pressure
- Outlet Wall: DR11
- Approval: AWWA C906
- Approval: ASTM F1055
- Approval: ASTM D3261
- Approval: ASTM D2513
- Pin Type: 4.7S (4.7 Solid Pin)

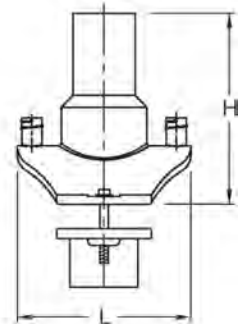
Size	SDR	Part No.	A (inch)	d2 (inch)	H (inch)	W (inch)	L (inch)	Style	Weight (lb)
2 x 2	11	360 000 759	3.28	2.38	6.65	3.59	6.63	3	0.899
3 x 2	11	360 000 763	3.28	2.38	6.65	4.60	6.63	3	0.970
4 x 2	11	360 000 772	3.28	2.38	7.27	6.26	6.63	3	1.135
6 x 2	11	360 000 780	3.28	2.38	8.43	8.68	6.63	3	2.000
8 x 2	11	360 000 785	3.28	2.38	5.29	6.75	6.75	2	1.041
10 x 2	11	360 000 741	3.28	2.38	5.53	6.75	6.75	2	1.219
12 x 2	11	360 000 751	3.28	2.38	5.70	6.75	6.75	2	1.135
4 x 4	11	360 000 768	3.85	4.50	6.00	7.00	8.38	1	2.116
6 x 4	11	360 000 774	4.14	4.50	7.20	9.63	9.13	1	3.858
8 x 4	11	360 000 787	3.85	4.50	6.00	9.56	10.40	1	15.565
10 x 4	11	360 000 742	3.85	4.50	6.00	12.84	15.03	3	21.451
12 x 4	11	360 000 752	3.85	4.50	6.00	14.78	17.16	3	26.963
8 x 6	11	360 000 788	4.62	6.63	10.17	10.94	13.16	3	16.799
10 x 6	11	360 000 743	4.62	6.63	10.99	12.82	15.03	3	27.646
12 x 6	11	360 000 753	4.62	6.63	11.82	14.78	17.16	3	27.999
10 x 8	11	360 000 745	5.29	8.63	11.66	12.84	15.03	3	
12 x 8	11	360 000 756	5.29	8.63	12.49	14.80	17.16	3	



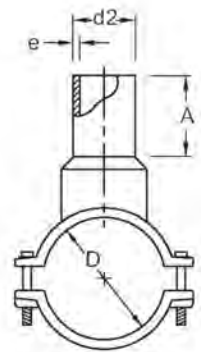
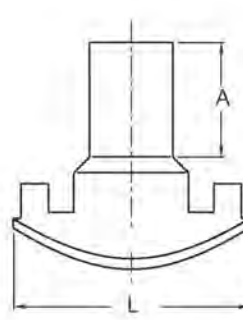
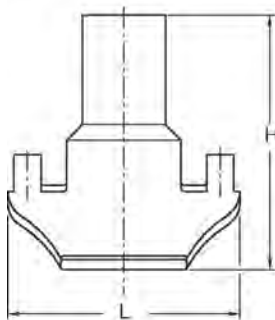
Bottom Clamp
STYLE 1



Top Load
STYLE 2



Under Clamp
STYLE 3



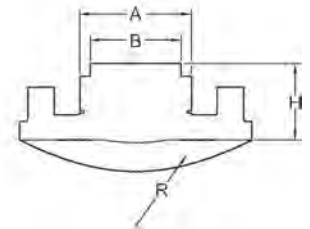
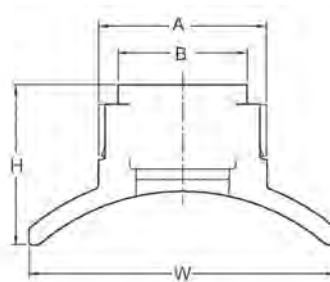
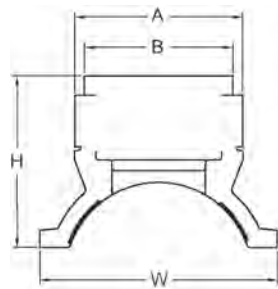


Electrofusion Saddle Brass 360 Female Thread - NPT Outlet

Please call for more information on availability, pricing, other sizes and dimensions.
 Outlet Material: Brass 360 Alloy Compression Ring Material: Stainless 304

- Approval: NSF-61
- Pin Type: 4.7R (4.7 Pin with Resistor)
- Approval: ASTM F1055
- Approval: AWWA C906
- *Approval: ANSI B1.20.1

Size	SDR	Part No.	A (inch)	B (inch)	H (inch)	W (inch)	R (inch)	Box Qty	Weight (lb)
2 x ¾	11	360 001 137	3.25	2.50	3.27	3.59	1.19	10	2.161
3 x ¾	11	360 001 152	3.25	2.50	3.25	4.50	1.75	10	2.315
4 x ¾	11	360 001 167	3.25	2.50	3.80	6.26	2.35	5	2.337
6 x ¾	11	360 001 184	3.25	2.50	4.50	9.00	3.34	5	2.579
8 x ¾	11	360 001 209	3.25	2.50	2.50	6.10	4.31	10	2.579
10 x ¾	11	360 001 111	3.25	2.50	2.50	6.10	5.38	10	2.756
12 x ¾	11	360 001 129	3.25	2.50	2.50	6.10	6.38	10	2.579
3 x 1	11	360 001 155	3.25	2.50	3.25	4.50	1.75	10	2.006
4 x 1	11	360 001 170	3.25	2.50	3.25	6.26	2.35	5	2.183
6 x 1	11	360 001 187	3.25	2.50	4.50	9.00	3.34	5	2.425
8 x 1	11	360 001 213	3.25	2.50	2.50	6.10	4.31	10	2.028
2 x 1½	11	360 001 146	3.25	2.87	3.25	3.59	1.75	10	2.006
3 x 1½	11	360 001 161	3.25	2.87	3.25	4.50	1.75	10	2.050
6 x 1½	11	360 001 193	3.25	2.87	4.50	9.00	3.34	5	2.535
8 x 1½	11	360 001 218	3.25	2.87	2.50	6.10	4.31	10	2.161
10 x 1½	11	360 001 117	3.25	2.87	2.50	6.10	5.38	10	5.370
12 x 1½	11	360 003 709	3.25	2.87	2.50	6.10	6.38	5	2.094
8 x 2	11	360 001 207	3.50	3.25	2.50	6.10	4.53	5	4.277
10 x 2	11	360 001 119	3.50	3.25	2.50	6.10	5.38	5	4.431
12 x 2	11	360 001 134	3.50	3.25	2.50	6.10	6.38	5	2.227



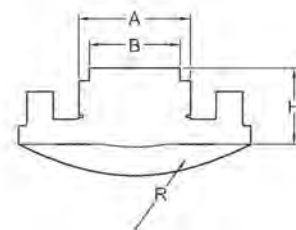
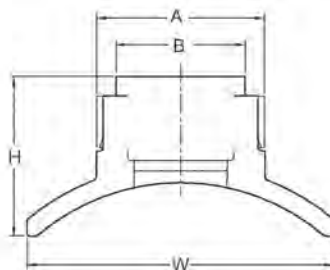
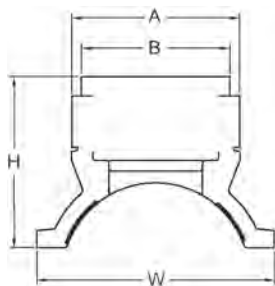


Electrofusion Saddle 316SS Female Thread - NPT Outlet

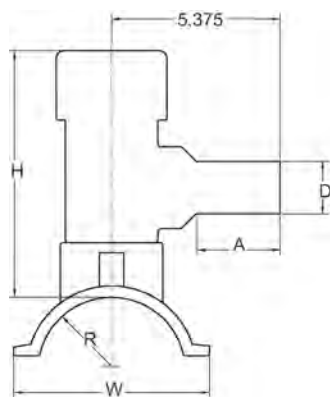
- *Approval: ASTM D2513
- Approval: NSF-61
- Pin Type: 4.7R (4.7 Pin with Resistor)
- Approval: ASTM F1055
- Approval: AWWA C906
- Standard: ANSI B1.20.1

Please call for more information on availability, pricing, other sizes and dimensions.
Outlet Material: Stainless 316 Compression Ring Material: Stainless 304

Size	SDR	Part No.	A (inch)	B (inch)	H (inch)	W (inch)	R (inch)	Box Qty	Weight (lb)
3 x ¾	11	360 001 153	3.25	2.50	3.18	4.60	1.25	10	2.315
4 x ¾	11	360 001 168	3.25	2.50	3.80	6.26	2.35	5	2.337
6 x ¾	11	360 001 185	3.25	2.50	4.96	8.68	3.34	5	2.579
8 x ¾	11	360 001 210	3.25	2.50	2.96	5.92	4.31	10	2.579
10 x ¾	11	360 001 103	3.25	2.50	2.21	6.10	5.55	15	2.756
3 x 1	11	360 001 156	3.25	2.88	3.25	4.50	1.75	10	2.006
4 x 1	11	360 001 171	3.25	2.88	3.80	6.26	2.35	5	2.183
6 x 1	11	360 001 188	3.25	2.88	4.50	9.00	3.34	5	2.425
8 x 1	11	360 001 214	3.25	2.88	2.50	6.10	4.31	10	2.028
12 x 1	11	360 001 132	3.25	2.50	2.50	6.10	6.38	10	
2 x 1½	11	360 001 147	3.25	2.87	3.25	3.59	1.19	10	2.006
3 x 1½	11	360 001 162	3.25	2.87	3.25	4.50	1.75	10	2.050
4 x 1½	11	360 001 177	3.25	2.87	3.80	6.26	2.35	5	
6 x 1½	11	360 001 194	3.25	2.87	4.50	9.00	2.34	5	2.535
8 x 1½	11	360 001 219	3.25	2.87	2.50	6.10	4.31	5	2.161
2 x 2	11	360 001 148	3.50	3.25	3.25	3.59	1.19	5	
3 x 2	11	360 001 163	3.50	3.25	3.25	4.50	1.75	5	
4 x 2	11	360 021 413	3.50	3.25	3.80	6.26	2.34	5	
6 x 2	11	360 001 196	3.50	3.25	4.50	9.00	3.34	5	
8 x 2	11	360 001 222	3.50	3.25	2.50	6.10	4.31	5	4.431
10 x 2	11	360 021 398	3.50	3.25	2.50	6.10	5.38	5	2.227



Tapping Tees

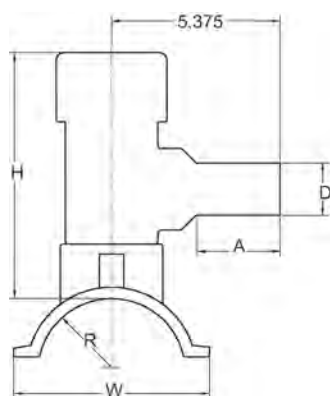


Electrofusion Tapping Tee Butt Outlet 3/4" - Brass Cutter

Please call for more information on availability, pricing, other sizes and dimensions. The products listed are standard stocking options. However, GF Central Plastics offers thousands of different configurations as well as custom innovative structures.

- Approval: ASTM D2513
- Pin Type: 4.7R (4.7 Pin with Resistor)
- Approval: ASTM F1055
- Approval: AWWA C906
- Approval: ASTM D3261
- Cutter Size Material: 0.8/Brass

Size (inch)	SDR	Part No.	H (inch)	A (inch)	D (inch)	Box Qty	Weight (lb)
2	11	360 001 258	5.06	2.22	1.12	40	0.772
3	11	360 001 294	5.18	2.22	1.12	40	0.154
4	11	360 001 347	5.93	2.22	1.12	30	0.992
6	11	360 001 382	7.06	2.22	1.12	20	1.190
8	11	360 001 411	4.14	2.22	1.12	40	0.860

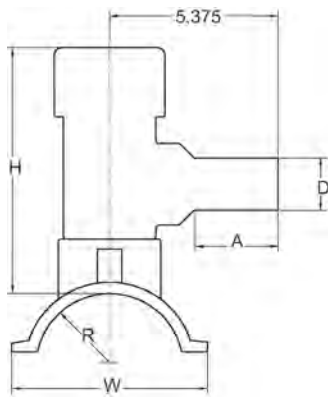


Electrofusion Tapping Tee Butt Outlet 3/4" - 0.80 Steel Cutter

Please call for more information on availability, pricing, other sizes and dimensions. The products listed are standard stocking options. However, GF Central Plastics offers thousands of different configurations as well as custom innovative structures.

- Approval: ASTM D2513
- *Approval: AWWA C906; NSF-61
- Pin Type: 4.7R (4.7 Pin with Resistor)
- Approval: ASTM F1055
- Cutter Size Material: 0.8/Steel
- Approval: ASTM D3261

Size (inch)	SDR	Part No.	H (inch)	A (inch)	D (inch)	Box Qty	Weight (lb)
1 1/4	11	360 003 730	4.83	2.22	1.12	50	0.838
2	11	360 003 145	5.06	2.22	1.12	30	0.860
3	11	360 003 731	5.18	2.22	1.12	25	0.948
4	11	360 003 732	5.93	2.22	1.12	20	1.124
6	11	360 003 733	7.06	2.22	1.12	12	1.257
8	11	360 003 715	4.14	2.22	1.12	40	0.750

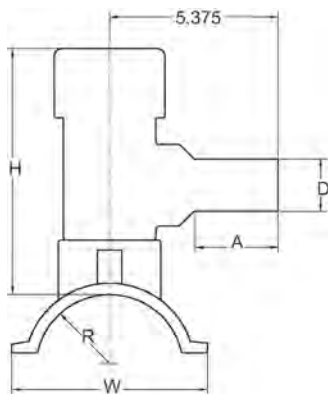


Electrofusion Tapping Tee Butt Outlet 1" - Brass Cutter

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: ASTM D2513
- Pin Type: 4.7R (4.7 Pin with Resistor)
- Approval: ASTM F1055
- Approval: AWWA C906
- Approval: ASTM D3261
- Cutter Size Material: 0.8/Brass

Size	SDR	Part No.	H (inch)	A (inch)	D (inch)	Box Qty	Weight (lb)
1 1/4	11	360 021 460	4.83	2.22	1.31	50	0.816
2	11	360 003 739	5.06	2.22	1.31	40	0.838
3	11	360 001 310	5.18	2.22	1.31	40	0.904
4	11	360 003 741	5.93	2.22	1.31	30	0.948
6	11	360 001 384	7.06	2.22	1.31	20	1.190
8	11	360 001 413	4.14	2.22	1.31	40	0.705

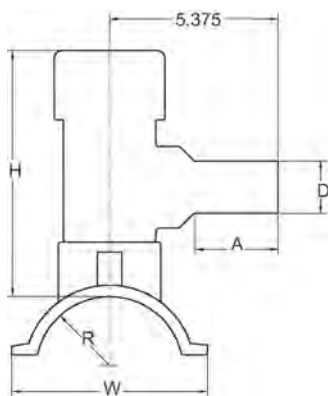


Electrofusion Tapping Tee Butt Outlet 1" - 0.80 Steel Cutter

- Approval: ASTM D2513
- Pin Type: 4.7R (4.7 Pin with Resistor)
- Approval: ASTM F1055
- Cutter Size Material: 0.8/Steel
- Approval: ASTM D3261

Please call for more information on availability, pricing, other sizes and dimensions. The products listed are standard stocking options. However, GF Central Plastics offers thousands of different configurations as well as custom innovative structures.

Size	SDR	Part No.	H (inch)	A (inch)	D (inch)	Box Qty	Weight (lb)
1 1/4	11	360 003 738	4.83	2.22	1.31	30	0.750
2	11	360 003 740	5.06	2.22	1.31	30	0.904
3	11	360 021 567	5.18	2.22	1.31	30	0.882
4	11	360 021 624	5.93	2.22	1.31	30	0.970
6	11	360 021 662	7.06	2.22	1.31	10	1.411
8	11	360 001 403	4.14	2.22	1.31	40	0.772

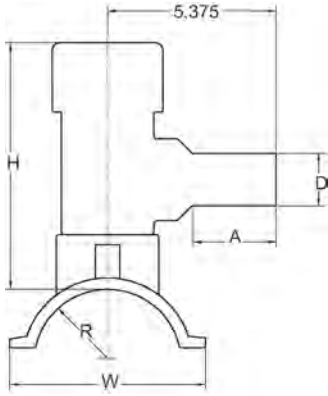


Electrofusion Tapping Tee Butt Outlet 1 1/2" - 1.50 Steel Cutter

- Approval: NSF-61
- Approval: ASTM D2513
- Cutter Size Material: 1.5/Stainless Steel
- Pin Type: 4.7R (4.7 Pin with Resistor)
- Approval: ASTM F1055
- Approval: AWWA C906
- Approval: ASTM D3261

Please call for more information on availability, pricing, other sizes and dimensions. The products listed are standard stocking options. However, GF Central Plastics offers thousands of different configurations as well as custom innovative structures.

Size	SDR	Part No.	H (inch)	A (inch)	W (inch)	D (inch)	Box Qty	Weight (lb)
2	11	360 001 002	6.65	2.68	3.59	1.66	10	3.351
3	11	360 001 011	6.66	2.68	4.60	1.66	10	3.307
4	11	360 001 031	7.27	2.68	6.26	1.66	8	3.527
6	11	360 001 041	8.43	2.68	8.68	1.66	5	3.748
8	11	360 001 050	7.88	2.68	6.10	1.60	8	2.756
12	11	360 000 991	7.88	2.68	6.10	1.66	8	3.350



Electrofusion Tapping Tee Butt Outlet 2" - 1.80 Steel Cutter

- Cutter Size Material: 1.8/Stainless Steel
- Approval: NSF-61
- Approval: ASTM D2513
- Pin Type: 4.7R (4.7 Pin with Resistor)
- Approval: ASTM F1055
- Approval: AWWA C906
- Approval: ASTM D3261

Please call for more information on availability, pricing, other sizes and dimensions. The products listed are standard stocking options. However, GF Central Plastics offers thousands of different configurations as well as custom innovative structures.

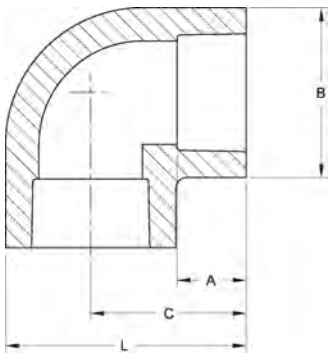
Size (inch)	SDR	Part No.	H (inch)	A (inch)	W (inch)	D (inch)	Box Qty	Weight (lb)
3	11	360 021 296	6.66	3.00	3.59	2.38	10	3.175
4	11	360 021 307	7.27	3.00	4.60	2.38	8	3.748
6	11	360 021 320	8.43	3.00	8.68	2.38	5	3.527
8	11	360 021 334	7.88	2.68	5.92	1.60	8	2.954
10	11	360 021 264	7.88	3.00	6.10	1.60	8	2.910
12	11	360 021 275	7.88	3.00	6.10	1.60	8	6.160

Socket Fusion Fittings

Socket Fusion 90 Elbow

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: ASTM D2513
- Approval: AWWA C906
- Approval: ASTM D2683



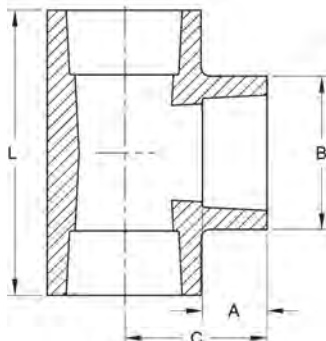
Size (inch)	Part No.	A (inch)	B (inch)	C (inch)	L (inch)	Box Qty	Weight (lb)
½	360 002 093	0.66	1.20	1.31	1.91	100	0.066
¾	360 002 095	0.75	1.50	1.63	2.38	100	0.110
1	360 002 099	0.77	1.83	1.69	2.61	60	0.154
1 ¼	360 002 101	0.95	2.27	2.09	3.23	100	0.265
1 ½	360 002 103	0.98	2.63	2.33	3.65	70	0.419
2	360 002 105	1.00	3.28	2.73	4.37	50	0.728
3	360 002 107	1.17	5.21	4.13	6.74	8	3.285
4	360 002 109	1.34	6.40	5.50	8.70	8	5.930



Socket Fusion Tee

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: ASTM D2513
- Approval: AWWA C906
- Approval: ASTM D2683



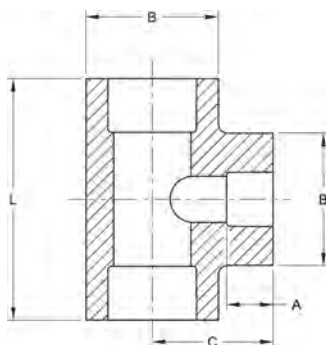
Size (inch)	Part No.	A (inch)	B (inch)	C (inch)	L (inch)	Box Qty	Weight (lb)
½	360 002 195	0.64	1.19	1.31	2.66	100	0.066
¾	360 002 198	0.73	1.49	1.63	3.25	100	0.154
1	360 002 205	0.75	1.84	1.69	3.41	100	0.132
1 ¼	360 002 207	0.98	2.30	2.10	4.22	100	0.375
1 ½	360 002 210	0.97	2.65	2.34	4.67	40	0.573
2	360 002 212	0.97	3.26	2.78	5.40	30	0.948
3	360 002 215	1.19	5.25	4.20	8.28	8	4.079



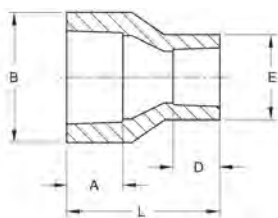
Socket Fusion Reducing Tee

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: ASTM D2513
- Approval: AWWA C906
- Approval: ASTM D2683



Size (inch)	Part No.	A (inch)	B (inch)	C (inch)	L (inch)	Box Qty	Weight (lb)
¾ x ½	360 002 197	0.65	1.50	1.63	3.25	100	0.265
1 x ½	360 002 202	0.65	1.85	1.69	3.38	100	0.265
1 ¼ x ¾	360 003 129	0.65	1.40	2.14	4.22	80	0.353
1 ¼ x 1	360 003 130	0.91	1.74	2.14	4.22	80	0.375
1 ½ x ¾	360 003 770	0.65	1.40	2.40	4.67	50	0.420
1 ½ x 1 ¼	360 003 772	0.98	2.21	2.54	4.67	30	0.772
2 x ¾	360 003 132	0.65	1.40	2.75	5.40	30	0.772
2 x 1 ¼	360 003 133	0.98	2.21	2.95	5.40	30	0.816

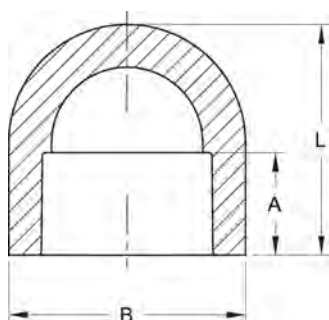


Socket Fusion Reducer Bushing

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: ASTM D2513
- Approval: AWWA C906
- Approval: ASTM D2683

Size (inch)	Part No.	A (inch)	B (inch)	D (inch)	E (inch)	L (inch)	Box Qty	Weight (lb)
1 x 1/2	360 002 162	0.78	1.83	0.65	1.21	2.16	100	0.880
1 x 3/4	360 002 164	0.75	1.83	0.68	1.46	1.98	100	0.880
1 1/4 x 3/4	360 002 170	1.00	2.26	0.72	1.46	2.18	100	0.132
1 1/4 x 1	360 002 172	0.96	2.26	0.81	1.83	2.27	100	0.141
1 1/2 x 1	360 002 177	0.96	2.56	0.77	1.84	2.15	100	0.154
1 1/2 x 1 1/4	360 002 175	0.97	2.56	0.95	2.30	2.16	100	0.176
2 x 1	360 002 180	0.99	3.27	0.76	1.83	2.52	100	0.265
2 x 1 1/4	360 002 182	1.00	3.28	0.96	2.28	2.55	100	0.287
2 x 1 1/2	360 002 185	0.99	3.27	0.97	2.55	2.56	100	0.287
3 x 2	360 002 186	1.19	5.04	0.98	3.50	3.18	10	1.014
4 x 2	360 002 188	1.29	6.48	0.97	3.54	4.14	10	1.874
4 x 3	360 002 190	1.29	6.41	1.17	5.00	4.48	5	2.227



Socket Fusion Cap

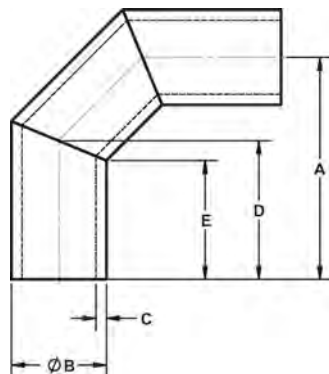
Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: ASTM D2513
- Approval: AWWA C906
- Approval: ASTM D2683

Size (inch)	Part No.	A (inch)	B (inch)	L (inch)	Box Qty	Weight (lb)
1/2	360 002 113	0.66	1.23	1.37	100	0.022
3/4	360 002 115	0.74	1.45	1.56	100	0.485
1	360 002 118	0.78	1.83	1.78	100	0.088
1 1/4	360 002 120	0.98	2.28	2.23	100	0.154
1 1/2	360 002 122	0.98	2.55	2.00	100	0.176
2	360 002 124	0.99	3.28	2.23	100	0.309
3	360 002 126	1.19	5.05	3.05	10	1.124

Fabricated Fittings

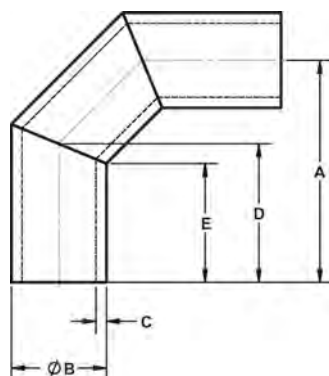
90 Elbow



Design-Flow 90 Elbow Butt PE4710 SDR 11 IPS - Fabricated 3-Segment

- Approval: NSF-61
- Approval: AWWA C906
- 125 PSI rated. For full pressure and/or additional sizes, contact factory.

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	E (inch)	Weight (lb)
14	11	360 016 121	19.39	14.00	1.27	10.90	8.00	64.00
16	11	360 016 157	21.16	16.00	1.46	11.31	8.00	83.59
18	11	360 016 191	22.51	18.00	1.64	11.73	8.00	112.00
20	11	360 016 227	24.09	20.00	1.82	12.14	8.00	147.11
22	11	360 016 260	25.67	22.00	2.00	12.56	8.00	188.73
24	11	360 016 295	27.32	24.00	2.18	12.97	8.00	237.90
26	11	360 016 317	30.91	26.00	2.36	15.39	10.00	318.35
28	11	360 016 333	32.49	28.00	2.55	15.80	10.00	386.53
30	11	360 016 350	34.08	30.00	2.73	16.21	10.00	463.77
32	11	360 016 363	38.88	32.00	2.91	16.63	10.00	591.99
36	11	360 016 391	42.64	36.00	3.27	17.46	10.00	816.46

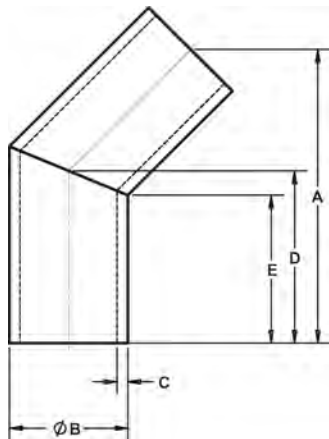


Design-Flow 90 Elbow Butt PE4710 SDR 17 IPS - Fabricated 3-Segment

- Approval: NSF-61
- Approval: AWWA C906
- 80 PSI rated. For full pressure and/or additional sizes, contact factory.

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	E (inch)	Weight (lb)
14	17	360 016 124	19.39	14.00	0.82	10.90	8.00	39.67
16	17	360 016 159	21.16	16.00	0.94	11.31	8.00	55.97
18	17	360 016 193	22.51	18.00	1.06	11.73	8.00	75.05
20	17	360 016 229	24.09	20.00	1.18	12.14	8.00	98.52
22	17	360 016 262	25.67	22.00	1.29	12.56	8.00	126.42
24	17	360 016 297	27.32	24.00	1.41	12.97	8.00	159.38
26	17	360 016 319	30.91	26.00	1.53	15.39	10.00	213.18
28	17	360 016 336	32.49	28.00	1.65	15.80	10.00	258.97
30	17	360 016 352	34.08	30.00	1.77	16.21	10.00	310.75
32	17	360 016 365	38.88	32.00	1.88	16.63	10.00	396.52
36	17	360 016 394	42.64	36.00	2.12	17.46	10.00	546.99

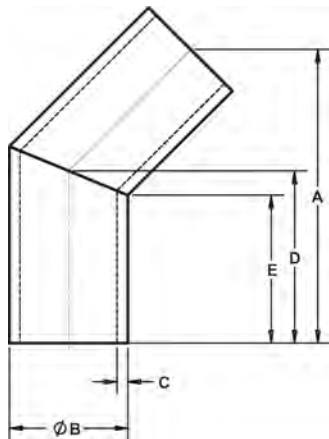
45 Elbow



Design-Flow 45 Elbow Butt PE4710 SDR 11 IPS - Fabricated 2-Segment

- Approval: NSF-61
- Approval: AWWA C906
- 125 PSI rated. For full pressure and/or additional sizes, contact factory.

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	E (inch)	Weight (lb)
14	11	360 016 107	18.61	14.00	1.27	10.90	8.00	38.15
16	11	360 016 143	19.31	16.00	1.46	11.31	8.00	57.71
18	11	360 016 177	20.02	18.00	1.64	11.73	8.00	86.69
20	11	360 016 212	20.72	20.00	1.82	12.14	8.00	67.84
22	11	360 016 246	21.44	22.00	2.00	12.56	8.00	108.53
24	11	360 016 281	22.14	24.00	2.18	12.97	8.00	133.39
26	11	360 016 311	26.26	26.00	2.36	15.38	10.00	185.65
28	11	360 016 326	26.97	28.00	2.55	15.80	10.00	221.12
30	11	360 016 344	27.67	30.00	2.73	16.21	10.00	260.45
32	11	360 016 358	28.39	32.00	2.91	16.63	10.00	304.03
36	11	360 016 382	29.81	36.00	3.27	17.46	10.00	404.03

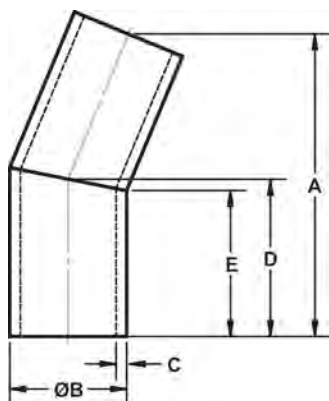


Design-Flow 45 Elbow Butt PE4710 SDR 17 IPS - Fabricated 2-Segment

- Approval: NSF-61
- Approval: AWWA C906
- 80 PSI rated. For full pressure and/or additional sizes, contact factory.

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	E (inch)	Weight (lb)
14	17	360 016 109	18.61	14.00	0.82	10.90	8.00	25.57
16	17	360 016 145	19.31	16.00	0.94	11.31	8.00	34.62
18	17	360 016 179	20.02	18.00	1.06	11.73	8.00	45.46
20	17	360 016 214	20.72	20.00	1.18	12.14	8.00	58.06
22	17	360 016 248	21.44	22.00	1.29	12.56	8.00	72.70
24	17	360 016 283	22.14	24.00	1.41	12.97	8.00	89.37
26	17	360 016 313	26.26	26.00	1.53	15.38	10.00	124.32
28	17	360 016 329	26.97	28.00	1.65	15.80	10.00	148.15
30	17	360 016 346	27.67	30.00	1.77	16.21	10.00	174.52
32	17	360 016 360	28.39	32.00	1.88	16.63	10.00	203.64
36	17	360 016 385	29.81	36.00	2.12	17.46	10.00	270.68

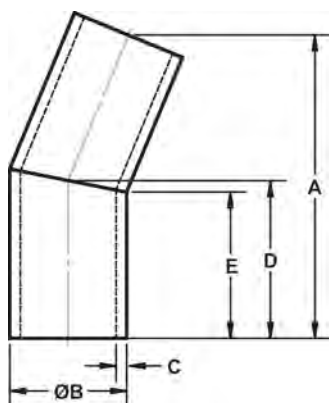
22.5 Elbow



Design-Flow 22.5 Elbow Butt PE4710 SDR 7 IPS - Fabricated 2-Segment

- Approval: NSF-61
- Approval: AWWA C906
- 200 PSI rated. For full pressure and/or additional sizes, contact factory.

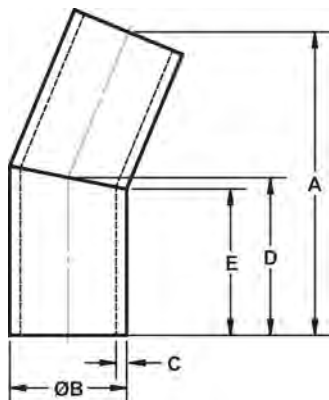
Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	E (inch)	Weight (lb)
2	7	360 015 843	8.16	2.38	0.34	4.24	4.00	0.63
3	7	360 015 863	8.37	3.50	0.50	4.35	4.00	1.41
4	7	360 015 884	12.39	4.50	0.64	6.45	6.00	3.46
6	7	360 015 936	12.81	6.63	0.95	6.66	6.00	7.73
8	7	360 015 980	14.16	8.63	1.23	7.36	6.41	14.48
10	7	360 016 021	14.56	10.75	1.54	7.57	6.50	23.14
12	7	360 016 057	17.83	12.75	1.82	9.27	8.00	39.86
14	7	360 016 096	18.07	14.00	2.00	9.39	8.00	48.68
16	7	360 016 132	18.45	16.00	2.29	9.59	8.00	64.95
18	7	360 016 167	18.83	18.00	2.57	9.79	8.00	83.90
20	7	360 016 201	19.22	20.00	2.86	9.99	8.00	105.70
22	7	360 016 236	19.60	22.00	3.14	10.19	8.00	130.47
24	7	360 016 270	19.99	24.00	3.43	10.39	8.00	158.33



Design-Flow 22.5 Elbow Butt PE4710 SDR 9 IPS - Fabricated 2-Segment

- Approval: NSF-61
- Approval: AWWA C906
- 150 PSI rated. For full pressure and/or additional sizes, contact factory.

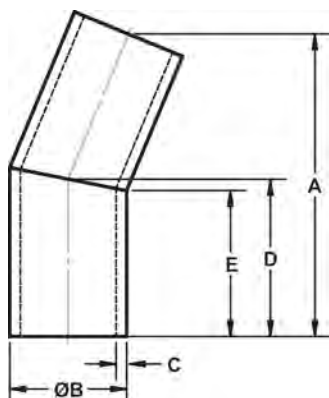
Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	E (inch)	Weight (lb)
2	9	360 015 844	8.16	2.38	0.26	4.24	4.00	0.51
3	9	360 015 864	8.37	3.50	0.39	4.35	4.00	1.14
4	9	360 015 885	12.41	4.50	0.50	6.45	6.00	2.79
6	9	360 015 937	12.81	6.63	0.74	6.66	6.00	6.24
8	9	360 015 981	14.16	8.63	0.96	7.36	6.50	11.68
10	9	360 016 022	14.56	10.75	1.19	7.57	6.50	18.66
12	9	360 016 058	17.83	12.75	1.42	9.27	8.00	32.16
14	9	360 016 097	18.07	14.00	1.56	9.39	8.00	39.28
16	9	360 016 133	18.45	16.00	1.78	9.59	8.00	52.39
18	9	360 016 168	18.83	18.00	2.00	9.79	8.00	67.68
20	9	360 016 202	19.22	20.00	2.22	9.99	8.00	85.25
22	9	360 016 237	19.60	22.00	2.44	10.19	8.00	105.21
24	9	360 016 271	19.99	24.00	2.67	10.39	8.00	127.71
26	9	360 016 306	24.22	26.00	2.89	12.59	10.00	181.60
28	9	360 016 321	24.59	28.00	3.11	12.78	10.00	213.77
30	9	360 016 338	24.97	30.00	3.33	12.98	10.00	249.23
32	9	360 062 263	25.36	32.00	3.56	13.18	10.00	288.00



Design-Flow 22.5 Elbow Butt PE4710 SDR 11 IPS - Fabricated 2-Segment

- Approval: NSF-61
- Approval: AWWA C906
- 125 PSI rated. For full pressure and/or additional sizes, contact factory.

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	E (inch)	Weight (lb)
2	11	360 015 845	8.16	2.38	0.22	4.24	4.00	0.43
3	11	360 015 865	8.37	3.50	0.32	4.35	4.00	0.95
4	11	360 015 886	12.41	4.50	0.41	6.45	6.00	2.33
6	11	360 015 938	12.81	6.62	0.60	6.66	6.00	5.22
8	11	360 015 982	14.16	8.62	0.78	7.36	6.50	9.77
10	11	360 016 023	14.56	10.76	0.98	7.57	6.50	15.61
12	11	360 016 059	17.83	12.76	1.16	9.27	8.00	26.90
14	11	360 016 098	18.07	14.00	1.27	9.39	8.00	32.87
16	11	360 016 134	18.45	16.00	1.46	9.59	8.00	43.84
18	11	360 016 171	18.83	18.00	1.64	9.79	8.00	56.62
20	11	360 016 203	19.22	20.00	1.82	9.99	8.00	71.34
22	11	360 016 238	19.60	22.00	2.00	10.19	8.00	88.05
24	11	360 016 272	19.99	24.00	2.18	10.39	8.00	106.86
26	11	360 016 307	24.22	26.00	2.36	12.59	10.00	151.97
28	11	360 016 322	24.59	28.00	2.55	12.78	10.00	178.86
30	11	360 016 339	24.97	30.00	2.73	12.98	10.00	208.55
32	11	360 016 355	25.36	32.00	2.91	13.18	10.00	240.95
36	11	360 016 377	26.13	36.00	3.27	13.58	10.00	314.25

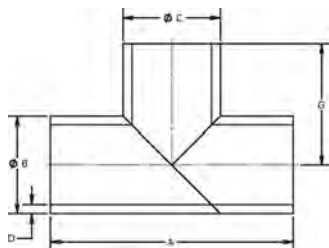


Design-Flow 22.5 Elbow Butt PE4710 SDR 17 IPS - Fabricated 2-Segment

- Approval: NSF-61
- Approval: AWWA C906
- 80 PSI rated. For full pressure and/or additional sizes, contact factory.

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	E (inch)	Weight (lb)
2	17	360 015 846	8.16	2.38	0.14	4.24	4.00	0.29
3	17	360 015 866	8.37	3.50	0.21	4.35	4.00	0.64
4	17	360 015 887	12.41	4.50	0.27	6.45	6.00	1.56
6	17	360 015 939	12.81	6.62	0.39	6.66	6.00	3.50
8	17	360 015 983	14.16	8.62	0.51	7.36	6.50	6.54
10	17	360 016 024	14.56	10.75	0.63	7.57	6.50	10.46
12	17	360 016 060	17.83	12.75	0.75	9.27	8.00	18.02
14	17	360 016 099	18.07	14.00	0.82	9.39	8.00	22.02
16	17	360 016 135	18.45	16.00	0.94	9.59	8.00	29.36
18	17	360 016 170	18.83	18.00	1.06	9.79	8.00	37.94
20	17	360 016 204	19.22	20.00	1.18	9.99	8.00	47.78
22	17	360 016 239	19.60	22.00	1.29	10.19	8.00	58.98
24	17	360 016 273	19.99	24.00	1.41	10.39	8.00	71.59
26	17	360 016 308	24.22	26.00	1.53	12.59	10.00	101.77
28	17	360 016 323	24.59	28.00	1.65	12.78	10.00	119.83
30	17	360 016 340	24.97	30.00	1.77	12.98	10.00	139.74
32	17	360 016 356	25.36	32.00	1.88	13.18	10.00	161.39
36	17	360 016 378	26.13	36.00	2.12	13.58	10.00	210.53

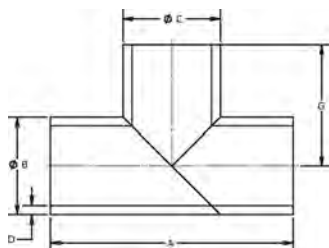
Tees



Design-Flow Tee Butt PE4710 SDR 11 IPS - Fabricated

- Approval: NSF-61
- Approval: AWWA C906
- 80 PSI rated. For full pressure and/or additional sizes, contact factory.

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	G (inch)	Weight (lb)
14	11	360 017 254	32.00	14.00	14.00	1.27	16.00	69.79
16	11	360 017 261	34.00	16.00	16.00	1.46	17.00	95.37
18	11	360 017 268	38.00	18.00	18.00	1.64	19.00	134.64
20	11	360 017 275	40.00	20.00	20.00	1.82	20.00	172.81
22	11	360 017 282	46.00	22.00	22.00	2.00	23.00	242.99
24	11	360 017 288	48.00	24.00	24.00	2.18	24.00	298.67
26	11	360 017 293	54.00	26.00	26.00	2.36	27.00	397.87
28	11	360 017 298	56.00	28.00	28.00	2.55	28.00	134.64
30	11	360 017 302	58.00	30.00	30.00	2.73	29.00	559.13
32	11	360 017 306	60.00	32.00	32.00	2.91	30.00	653.02
36	11	360 017 310	76.00	36.00	36.00	3.27	51.00	1227.92

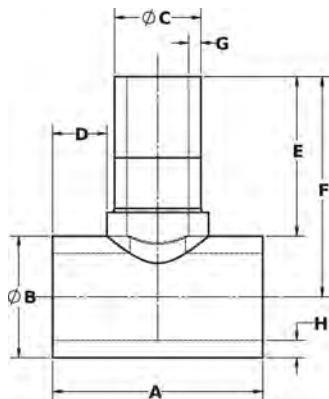


Design-Flow Tee Butt PE4710 SDR 17 IPS - Fabricated

- Approval: NSF-61
- Approval: AWWA C906
- 80 PSI rated. For full pressure and/or additional sizes, contact factory.

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	G (inch)	Weight (lb)
14	17	360 017 255	32.00	14.00	14.00	0.82	16.00	46.45
16	17	360 017 262	34.00	16.00	16.00	0.94	17.00	63.39
18	17	360 017 269	38.00	18.00	18.00	1.06	19.00	89.56
20	17	360 017 276	40.00	20.00	20.00	1.18	20.00	114.81
22	17	360 017 283	46.00	22.00	22.00	1.29	23.00	161.54
24	17	360 017 289	48.00	24.00	24.00	1.41	24.00	198.49
26	17	360 017 294	54.00	26.00	26.00	1.53	27.00	264.39
28	17	360 017 299	56.00	28.00	28.00	1.65	28.00	89.56
30	17	360 017 303	58.00	30.00	30.00	1.77	29.00	371.54
32	17	360 017 307	60.00	32.00	32.00	1.88	30.00	433.61
36	17	360 017 311	76.00	36.00	36.00	2.12	51.00	817.26

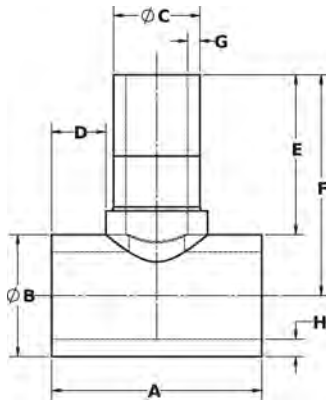
Reducing Tees



Design-Flow Branch Saddle Reduced Tee Butt PE4710 SDR7 IPS

- Approval: NSF-61
- Approval: AWWA C906
- 200 PSI rated. For full pressure and/or additional sizes, contact factory.

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	E (inch)	F (inch)	G (inch)	H (inch)
4 x 2	7	360 061 241	18.00	4.50	2.38	6.00	10.00	12.25	0.339	0.643
6 x 2	7	360 029 015	18.00	6.63	2.38	7.25	10.00	13.31	0.339	0.946
6 x 3	7	360 018 869	18.00	6.63	3.50	6.75	10.00	13.31	0.500	0.946
6 x 4	7	360 029 016	18.63	6.63	4.50	6.00	10.75	14.06	0.643	0.946
8 x 2	7	360 061 920	19.50	8.63	2.38	8.00	10.00	14.31	0.339	1.232
8 x 3	7	360 062 265	20.50	8.63	3.50	8.00	10.25	14.56	0.500	1.232
8 x 4	7	360 029 018	22.63	8.63	4.50	8.00	10.75	15.06	0.643	1.232
10 x 3	7	360 061 779	20.50	10.75	3.50	8.00	10.50	15.88	0.500	1.536
10 x 4	7	360 061 224	22.63	10.75	4.50	8.00	10.75	16.13	0.643	1.536
10 x 6	7	360 028 505	24.63	10.75	6.63	8.00	11.25	16.63	0.946	1.536
12 x 3	7	360 062 266	20.50	12.75	3.50	8.00	10.75	17.13	0.500	1.821
12 x 4	7	360 060 099	22.63	12.75	4.50	8.00	11.00	17.38	0.643	1.821
12 x 6	7	360 019 267	24.63	12.75	6.63	8.00	11.50	17.88	0.946	1.821
12 x 8	7	360 018 952	26.75	12.75	8.63	8.00	19.75	26.13	1.232	1.821
14 x 3	7	360 062 267	20.50	14.00	3.50	8.00	11.00	18.00	0.500	2.000
14 x 4	7	360 062 268	22.63	14.00	4.50	8.00	11.00	18.00	0.643	2.000
14 x 6	7	360 062 269	24.63	14.00	6.63	8.00	11.50	18.50	0.946	2.000
14 x 8	7	360 019 336	26.75	14.00	8.63	8.00	20.00	27.00	1.232	2.000
16 x 8	7	360 062 271	26.75	16.00	8.63	8.00	20.25	28.25	1.232	2.286
16 x 10	7	360 032 125	28.75	16.00	10.75	8.00	21.00	29.00	1.536	2.286
18 x 3	7	360 062 273	20.50	18.00	3.50	8.00	11.50	20.50	0.500	2.571
18 x 4	7	360 062 274	22.63	18.00	4.50	8.00	11.25	20.25	0.643	2.571
18 x 6	7	360 062 275	24.63	18.00	6.63	8.00	12.00	21.00	0.946	2.571
18 x 8	7	360 062 276	26.75	18.00	8.63	8.00	20.50	29.50	1.232	2.571
20 x 3	7	360 062 278	20.50	20.00	3.50	8.00	11.50	21.50	0.500	2.857
20 x 4	7	360 032 126	22.63	20.00	4.50	8.00	11.25	21.25	0.643	2.857
20 x 6	7	360 019 099	24.63	20.00	6.63	8.00	12.25	22.25	0.946	2.857
20 x 8	7	360 019 105	26.75	20.00	8.63	8.00	20.75	30.75	1.232	2.857
22 x 3	7	360 062 280	20.50	22.00	3.50	8.00	11.75	22.75	0.500	3.143
22 x 4	7	360 062 281	22.63	22.00	4.50	8.00	11.50	22.50	0.643	3.143
22 x 6	7	360 062 282	24.63	22.00	6.63	8.00	12.50	23.50	0.946	3.143
22 x 8	7	360 061 877	26.75	22.00	8.63	8.00	21.00	32.00	1.232	3.143
24 x 3	7	360 062 284	20.50	24.00	3.50	8.00	12.00	24.00	0.500	3.429
24 x 4	7	360 062 285	22.63	24.00	4.50	8.00	11.50	23.50	0.643	3.429
24 x 6	7	360 028 754	24.63	24.00	6.63	8.00	12.75	24.75	0.946	3.429
24 x 8	7	360 061 300	26.75	24.00	8.63	8.00	21.25	33.25	1.232	3.429

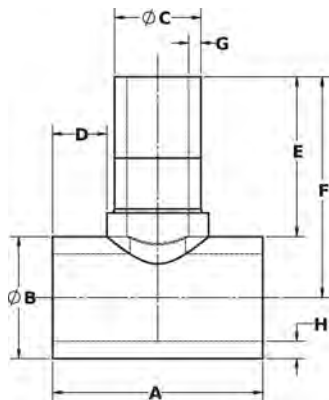


Design-Flow Branch Saddle Reduced Tee Butt PE4710 SDR 9 IPS

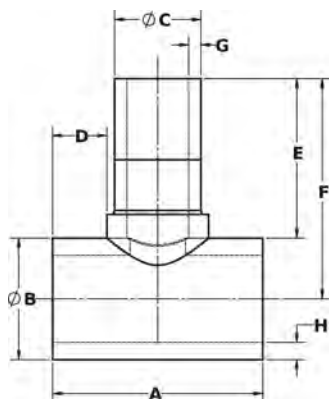
- Approval: NSF-61
- Approval: AWWA C906
- 150 PSI rated. For full pressure and/or additional sizes, contact factory.

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	E (inch)	F (inch)	G (inch)	H (inch)
4 x 2	9	360 018 852	18.00	4.50	2.38	6.00	10.00	12.25	0.264	0.500
6 x 2	9	360 018 863	18.00	6.63	2.38	7.25	10.00	13.31	0.264	0.736
6 x 3	9	360 018 870	18.00	6.63	3.50	6.75	10.00	13.31	0.389	0.736
6 x 4	9	360 018 876	18.63	6.63	4.50	7.25	10.75	14.06	0.500	0.736
8 x 2	9	360 018 882	19.50	8.63	2.38	8.00	10.00	14.31	0.264	0.958
8 x 3	9	360 018 887	20.50	8.63	3.50	8.00	10.25	14.56	0.389	0.958
8 x 4	9	360 018 893	22.63	8.63	4.50	8.00	10.75	15.06	0.500	0.958
10 x 3	9	360 018 908	20.50	10.75	3.50	8.00	10.50	15.88	0.389	1.194
10 x 4	9	360 018 914	22.63	10.75	4.50	8.00	10.75	16.13	0.500	1.194
10 x 6	9	360 018 919	24.63	10.75	6.63	8.00	11.25	16.63	0.736	1.194
12 x 3	9	360 018 934	20.50	12.75	3.50	8.00	10.75	17.13	0.389	1.417
12 x 4	9	360 018 940	22.63	12.75	4.50	8.00	10.75	17.13	0.500	1.417
12 x 6	9	360 018 946	24.63	12.75	6.63	8.00	11.25	17.63	0.736	1.417
12 x 8	9	360 018 953	26.75	12.75	8.63	8.00	19.75	26.13	0.958	1.417
14 x 3	9	360 018 970	20.50	14.00	3.50	8.00	10.75	17.75	0.389	1.556
14 x 4	9	360 018 975	22.63	14.00	4.50	8.00	11.00	18.00	0.500	1.556
14 x 6	9	360 018 980	24.63	14.00	6.63	8.00	11.50	18.50	0.736	1.556
14 x 8	9	360 018 985	26.75	14.00	8.63	8.00	19.75	26.75	0.958	1.556
16 x 8	9	360 019 023	26.75	16.00	8.63	8.00	20.00	28.00	0.958	1.778
16 x 10	9	360 019 028	28.75	16.00	10.75	8.00	20.75	28.75	1.194	1.778
18 x 3	9	360 019 047	20.50	18.00	3.50	8.00	11.25	20.25	0.389	2.000
18 x 4	9	360 019 052	22.63	18.00	4.50	8.00	11.25	20.25	0.500	2.000
18 x 6	9	360 019 057	24.63	18.00	6.63	8.00	11.75	20.75	0.736	2.000
18 x 8	9	360 019 062	26.75	18.00	8.63	8.00	20.25	29.25	0.958	2.000
18 x 10	9	360 019 067	28.75	18.00	10.75	8.00	21.00	30.00	1.194	2.000
18 x 12	9	360 061 366	31.00	18.00	12.75	8.00	23.25	32.25	1.417	2.000
20 x 3	9	360 019 089	20.50	20.00	3.50	8.00	11.50	21.50	0.389	2.222
20 x 4	9	360 019 094	22.63	20.00	4.50	8.00	11.25	21.25	0.500	2.222
20 x 6	9	360 019 100	24.63	20.00	6.63	8.00	12.00	22.00	0.736	2.222
20 x 8	9	360 019 106	26.75	20.00	8.63	8.00	20.50	30.50	0.958	2.222
22 x 3	9	360 019 133	20.50	22.00	3.50	8.00	11.75	22.75	0.389	2.444
22 x 4	9	360 019 138	22.63	22.00	4.50	8.00	11.50	22.50	0.500	2.444
22 x 6	9	360 019 143	24.63	22.00	6.63	8.00	12.25	23.25	0.736	2.444
22 x 8	9	360 019 148	26.75	22.00	8.63	8.00	20.75	31.75	0.958	2.444
24 x 2	9	360 019 172	19.50	24.00	2.38	8.00	10.75	22.75	0.264	2.667
24 x 3	9	360 019 176	20.50	24.00	3.50	8.00	11.75	23.75	0.389	2.667
24 x 4	9	360 019 181	22.63	24.00	4.50	8.00	11.50	23.50	0.500	2.667
24 x 6	9	360 019 187	24.63	24.00	6.63	8.00	12.50	24.50	0.736	2.667
24 x 8	9	360 019 193	26.75	24.00	8.63	8.00	21.00	33.00	0.958	2.667
24 x 10	9	360 019 200	28.75	24.00	10.75	8.00	22.00	34.00	1.194	2.667
24 x 14	9	360 019 213	32.00	24.00	14.00	8.00	27.50	39.50	1.556	2.667
24 x 16	9	360 019 215	34.00	24.00	16.00	8.00	29.25	41.25	1.778	2.667
26 x 3	9	360 062 287	24.50	26.00	3.50	10.00	12.00	25.00	0.389	2.889
26 x 4	9	360 062 288	26.63	26.00	4.50	10.00	11.50	24.50	0.500	2.889
26 x 6	9	360 060 489	28.63	26.00	6.63	10.00	12.75	25.75	0.736	2.889
26 x 8	9	360 060 324	30.75	26.00	8.63	10.00	21.25	34.25	0.958	2.889
26 x 10	9	360 060 328	32.75	26.00	10.75	10.00	22.50	35.50	1.194	2.889
26 x 12	9	360 062 289	35.00	26.00	12.75	10.00	24.75	37.75	1.417	2.889
26 x 14	9	360 062 290	36.00	26.00	14.00	10.00	27.75	40.75	1.556	2.889
26 x 16	9	360 060 327	38.00	26.00	16.00	10.00	29.75	42.75	1.778	2.889
26 x 18	9	360 062 291	40.00	26.00	18.00	10.00	30.25	43.25	2.000	2.889
28 x 2	9	360 062 293	23.50	28.00	2.38	10.00	11.00	25.00	0.264	3.111
28 x 3	9	360 062 294	24.50	28.00	3.50	10.00	12.25	26.25	0.389	3.111
28 x 4	9	360 062 295	26.63	28.00	4.50	10.00	11.75	25.75	0.500	3.111
28 x 6	9	360 062 296	28.63	28.00	6.63	10.00	12.75	26.75	0.736	3.111
28 x 8	9	360 062 297	30.75	28.00	8.63	10.00	21.50	35.50	0.958	3.111
28 x 10	9	360 062 298	32.75	28.00	10.75	10.00	22.75	36.75	1.194	3.111

table continued on the next page



Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	E (inch)	F (inch)	G (inch)	H (inch)
28 x 12	9	360 062 299	35.00	28.00	12.75	10.00	25.00	39.00	1.417	3.111
28 x 14	9	360 062 300	36.00	28.00	14.00	10.00	28.25	42.25	1.556	3.111
28 x 16	9	360 062 301	38.00	28.00	16.00	10.00	30.25	44.25	1.778	3.111
28 x 18	9	360 061 350	40.00	28.00	18.00	10.00	30.75	44.75	2.000	3.111
30 x 3	9	360 062 305	24.50	30.00	3.50	10.00	12.50	27.50	0.389	3.333
30 x 4	9	360 062 306	26.63	30.00	4.50	10.00	11.75	26.75	0.500	3.333
30 x 6	9	360 062 307	28.63	30.00	6.63	10.00	13.00	28.00	0.736	3.333
30 x 8	9	360 062 308	30.75	30.00	8.63	10.00	21.75	36.75	0.958	3.333
30 x 10	9	360 062 309	32.75	30.00	10.75	10.00	23.00	38.00	1.194	3.333
30 x 12	9	360 062 310	35.00	30.00	12.75	10.00	25.50	40.50	1.417	3.333
30 x 14	9	360 062 311	36.00	30.00	14.00	10.00	28.75	43.75	1.556	3.333
30 x 16	9	360 061 600	38.00	30.00	16.00	10.00	30.75	45.75	1.778	3.333
30 x 18	9	360 062 312	40.00	30.00	18.00	10.00	31.25	46.25	2.000	3.333
30 x 20	9	360 062 313	42.00	30.00	20.00	10.00	31.25	46.25	2.222	3.333
32 x 3	9	360 062 317	24.50	32.00	3.50	10.00	12.75	28.75	0.389	3.556
32 x 4	9	360 062 318	26.63	32.00	4.50	10.00	12.00	28.00	0.500	3.556
32 x 6	9	360 062 319	28.63	32.00	6.63	10.00	13.25	29.25	0.736	3.556
32 x 8	9	360 062 320	30.75	32.00	8.63	10.00	22.00	38.00	0.958	3.556
32 x 10	9	360 062 321	32.75	32.00	10.75	10.00	23.50	39.50	1.194	3.556
32 x 12	9	360 062 322	35.00	32.00	12.75	10.00	25.75	41.75	1.417	3.556
32 x 14	9	360 062 323	36.00	32.00	14.00	10.00	29.25	45.25	1.556	3.556
32 x 16	9	360 062 324	38.00	32.00	16.00	10.00	31.25	47.25	1.778	3.556
32 x 18	9	360 062 325	40.00	32.00	18.00	10.00	31.75	47.75	2.000	3.556
32 x 20	9	360 062 326	42.00	32.00	20.00	10.00	31.75	47.75	2.222	3.556

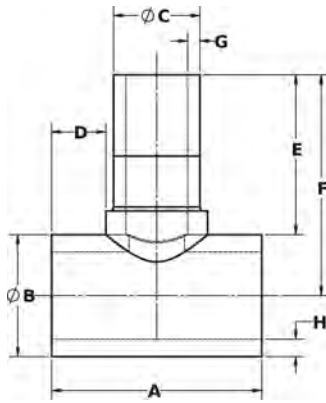


Design-Flow Branch Saddle Reduced Tee Butt PE4710 SDR 11 IPS

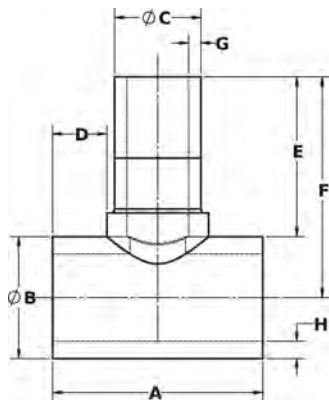
- Approval: NSF-61
- Approval: AWWA C906
- 125 PSI rated. For full pressure and/or additional sizes, contact factory.

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	E (inch)	F (inch)	G (inch)	H (inch)
4 x 2	11	360 018 853	18.00	4.50	2.38	6.00	10.00	12.25	0.216	0.409
6 x 2	11	360 018 864	18.00	6.63	2.38	6.00	10.00	13.31	0.216	0.602
6 x 3	11	360 018 871	18.00	6.63	3.50	6.75	10.00	13.31	0.318	0.602
6 x 4	11	360 018 877	18.63	6.63	4.50	6.00	10.75	14.06	0.409	0.602
8 x 3	11	360 018 888	20.50	8.63	3.50	8.00	10.25	14.56	0.318	0.784
8 x 4	11	360 018 894	22.63	8.63	4.50	8.00	10.75	15.06	0.409	0.784
10 x 3	11	360 018 909	20.50	10.75	3.50	8.00	10.50	15.88	0.318	0.977
10 x 4	11	360 018 915	22.63	10.75	4.50	8.00	10.75	16.13	0.409	0.977
10 x 6	11	360 018 920	24.63	10.75	6.63	8.00	11.00	16.38	0.602	0.977
12 x 3	11	360 018 935	20.50	12.75	3.50	8.00	10.50	16.88	0.318	1.159
12 x 4	11	360 018 941	22.63	12.75	4.50	8.00	10.75	17.13	0.409	1.159
12 x 6	11	360 018 947	24.63	12.75	6.63	8.00	11.25	17.63	0.602	1.159
12 x 8	11	360 018 954	26.75	12.75	8.63	8.00	19.50	25.88	0.784	1.159
14 x 3	11	360 018 971	20.50	14.00	3.50	8.00	10.75	17.75	0.318	1.273
14 x 4	11	360 018 976	22.63	14.00	4.50	8.00	10.75	17.75	0.409	1.273
14 x 6	11	360 018 981	24.63	14.00	6.63	8.00	11.25	18.25	0.602	1.273
14 x 8	11	360 018 986	26.75	14.00	8.63	8.00	19.75	26.75	0.784	1.273
16 x 8	11	360 019 024	26.75	16.00	8.63	8.00	20.00	28.00	0.784	1.455
16 x 10	11	360 019 029	28.75	16.00	10.75	8.00	20.50	28.50	0.977	1.455
18 x 3	11	360 019 048	20.50	18.00	3.50	8.00	11.00	20.00	0.318	1.636
18 x 4	11	360 019 068	22.63	18.00	4.50	8.00	11.00	20.00	0.409	1.636
18 x 6	11	360 019 073	24.63	18.00	6.63	8.00	11.75	20.75	0.602	1.636
18 x 8	11	360 019 063	26.75	18.00	8.63	8.00	20.00	29.00	0.784	1.636
20 x 3	11	360 019 090	20.50	20.00	3.50	8.00	11.25	21.25	0.318	1.818
20 x 4	11	360 019 118	22.63	20.00	4.50	8.00	11.25	21.25	0.409	1.818
20 x 6	11	360 019 101	24.63	20.00	6.63	8.00	12.00	22.00	0.602	1.818
20 x 8	11	360 019 107	26.75	20.00	8.63	8.00	20.25	30.25	0.784	1.818
22 x 3	11	360 019 127	20.50	22.00	3.50	8.00	11.50	22.50	0.318	2.000
22 x 4	11	360 019 129	22.63	22.00	4.50	8.00	11.25	22.25	0.409	2.000

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Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	E (inch)	F (inch)	G (inch)	H (inch)
22 x 6	11	360 019 130	24.63	22.00	6.63	8.00	12.00	23.00	0.602	2.000
22 x 8	11	360 019 194	26.75	24.00	8.63	8.00	20.75	32.75	0.784	2.182
24 x 3	11	360 019 177	20.50	24.00	3.50	8.00	11.50	23.50	0.318	2.182
24 x 4	11	360 019 182	22.63	24.00	4.50	8.00	11.50	23.50	0.409	2.182
24 x 6	11	360 019 188	24.63	24.00	6.63	8.00	12.25	24.25	0.602	2.182
22 x 8	11	360 019 194	26.75	24.00	8.63	8.00	20.75	32.75	0.784	2.182
26 x 3	11	360 061 780	24.50	26.00	3.50	10.00	11.75	24.75	0.318	2.364
26 x 4	11	360 061 781	26.63	26.00	4.50	10.00	11.50	24.50	0.409	2.364
26 x 6	11	360 061 782	28.63	26.00	6.63	10.00	12.50	25.50	0.602	2.364
26 x 8	11	360 061 783	30.75	26.00	8.63	10.00	21.00	34.00	0.784	2.364
26 x 10	11	360 061 784	32.75	26.00	10.75	10.00	22.00	35.00	0.977	2.364
26 x 12	11	360 061 785	35.00	26.00	12.75	10.00	24.25	37.25	1.159	2.364
26 x 14	11	360 061 786	36.00	26.00	14.00	10.00	27.25	40.25	1.273	2.364
26 x 16	11	360 019 224	38.00	26.00	16.00	10.00	29.00	42.00	1.455	2.364
26 x 18	11	360 061 787	40.00	26.00	18.00	10.00	29.00	42.00	1.636	2.364
28 x 3	11	360 061 790	24.50	28.00	3.50	10.00	12.00	26.00	0.318	2.545
28 x 4	11	360 061 791	26.63	28.00	4.50	10.00	11.50	25.50	0.409	2.545
28 x 6	11	360 061 792	28.63	28.00	6.63	10.00	12.50	26.50	0.602	2.545
28 x 8	11	360 061 793	30.75	28.00	8.63	10.00	21.25	35.25	0.784	2.545
28 x 10	11	360 061 794	32.75	28.00	10.75	10.00	22.25	36.25	0.977	2.545
28 x 12	11	360 028 774	35.00	28.00	12.75	10.00	24.50	38.50	1.159	2.545
28 x 14	11	360 061 795	36.00	28.00	14.00	10.00	27.75	41.75	1.273	2.545
28 x 16	11	360 061 796	38.00	28.00	16.00	10.00	29.50	43.50	1.455	2.545
28 x 18	11	360 028 775	40.00	28.00	18.00	10.00	29.50	43.50	1.636	2.545
30 x 3	11	360 061 799	24.50	30.00	3.50	10.00	12.25	27.25	0.318	2.727
30 x 4	11	360 061 800	26.63	30.00	4.50	10.00	11.75	26.75	0.409	2.727
30 x 6	11	360 061 801	28.63	30.00	6.63	10.00	12.75	27.75	0.602	2.727
30 x 8	11	360 019 229	30.75	30.00	8.63	10.00	21.50	36.50	0.784	2.727
30 x 10	11	360 061 802	32.75	30.00	10.75	10.00	22.50	37.50	0.977	2.727
30 x 12	11	360 019 231	35.00	30.00	12.75	10.00	25.00	40.00	1.159	2.727
30 x 14	11	360 061 061	36.00	30.00	14.00	10.00	28.00	43.00	1.273	2.727
30 x 16	11	360 019 234	38.00	30.00	16.00	10.00	29.75	44.75	1.455	2.727
30 x 18	11	360 061 803	40.00	30.00	18.00	10.00	29.75	44.75	1.636	2.727
30 x 20	11	360 029 346	42.00	30.00	20.00	10.00	29.75	44.75	1.818	2.727
32 x 3	11	360 061 806	24.50	32.00	3.50	10.00	12.25	28.25	0.318	2.909
32 x 4	11	360 061 807	26.63	32.00	4.50	10.00	11.75	27.75	0.409	2.909
32 x 6	11	360 061 808	28.63	32.00	6.63	10.00	13.00	29.00	0.602	2.909
32 x 8	11	360 061 809	30.75	32.00	8.63	10.00	21.75	37.00	0.784	2.909
32 x 10	11	360 061 810	32.75	32.00	10.75	10.00	23.00	39.00	0.977	2.909
32 x 12	11	360 061 811	35.00	32.00	12.75	10.00	25.25	41.25	1.159	2.909
32 x 14	11	360 061 812	36.00	32.00	14.00	10.00	28.50	44.50	1.273	2.909
32 x 16	11	360 060 925	38.00	32.00	16.00	10.00	30.25	46.25	1.455	2.909
32 x 18	11	360 061 813	40.00	32.00	18.00	10.00	30.25	46.25	1.636	2.909
32 x 20	11	360 061 814	42.00	32.00	20.00	10.00	30.25	46.25	1.818	2.909
36 x 3	11	360 019 298	24.50	36.00	3.50	10.00	12.75	30.75	0.318	3.273
36 x 4	11	360 019 238	26.63	36.00	4.50	10.00	12.00	30.00	0.409	3.273
36 x 6	11	360 019 239	28.63	36.00	6.63	10.00	13.25	31.25	0.602	3.273
36 x 8	11	360 019 241	30.75	36.00	8.63	10.00	22.00	40.00	0.784	3.273
36 x 12	11	360 019 244	35.00	36.00	12.75	10.00	29.25	41.50	0.977	3.273
36 x 10	11	360 019 243	32.75	36.00	10.75	10.00	23.50	43.75	1.159	3.273
36 x 14	11	360 061 819	36.00	36.00	14.00	10.00	29.25	47.25	1.273	3.273
36 x 16	11	360 019 246	38.00	36.00	16.00	10.00	31.25	49.25	1.455	3.273
36 x 18	11	360 061 821	40.00	36.00	18.00	10.00	31.25	49.25	1.636	3.273
36 x 20	11	360 019 248	42.00	36.00	20.00	10.00	31.25	49.25	1.818	3.273
36 x 24	11	360 019 249	46.00	36.00	24.00	10.00	31.25	50.25	2.182	3.273

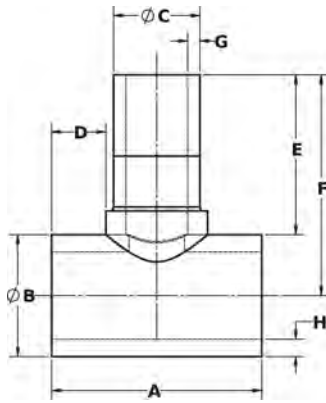


Design-Flow Branch Saddle Reduced Tee Butt PE4710 SDR 17 IPS

- Approval: NSF-61
- Approval: AWWA C906
- 80 PSI rated. For full pressure and/or additional sizes, contact factory.

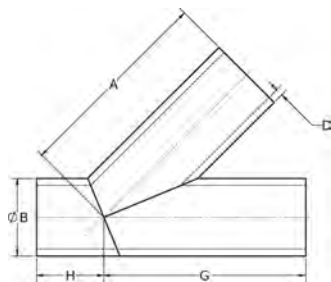
Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	E (inch)	F (inch)	G (inch)	H (inch)
4 x 2	17	360 018 854	18.00	4.50	2.38	6.00	10.00	12.25	0.140	0.265
6 x 3	17	360 019 283	18.00	6.63	3.50	6.00	10.00	13.31	0.206	0.390
6 x 4	17	360 032 253	18.63	6.63	4.50	6.00	10.75	14.06	0.265	0.390
8 x 3	17	360 018 889	20.50	8.63	3.50	8.00	10.00	14.31	0.206	0.507
8 x 4	17	360 061 669	22.63	8.62	4.50	8.00	10.75	15.06	0.265	0.507
10 x 3	17	360 018 910	20.50	10.75	3.50	8.00	10.25	15.63	0.206	0.632
10 x 4	17	360 018 916	22.63	10.75	4.50	8.00	10.75	16.13	0.265	0.632
10 x 6	17	360 060 097	24.63	10.75	6.63	8.00	10.75	16.13	0.390	0.632
12 x 3	17	360 018 936	20.50	12.75	3.50	8.00	10.25	16.63	0.206	0.750
12 x 4	17	360 018 942	22.63	12.75	4.50	8.00	10.75	17.13	0.265	0.750
12 x 6	17	360 018 948	24.63	12.75	6.63	8.00	11.00	17.38	0.390	0.750
12 x 8	17	360 018 955	26.75	12.75	8.63	8.00	19.25	25.63	0.507	0.750
14 x 3	17	360 061 673	20.50	14.00	3.50	8.00	10.25	17.25	0.206	0.824
14 x 4	17	360 061 674	22.63	14.00	4.50	8.00	10.75	17.75	0.265	0.824
14 x 6	17	360 028 095	24.63	14.00	6.63	8.00	11.00	18.00	0.390	0.824
14 x 8	17	360 028 094	26.75	14.00	8.63	8.00	19.25	26.25	0.507	0.824
16 x 3	17	360 061 469	20.50	16.00	3.50	8.00	10.50	18.50	0.206	0.941
16 x 4	17	360 019 014	22.63	16.00	4.50	8.00	10.75	18.75	0.265	0.941
16 x 6	17	360 028 623	24.63	16.00	6.63	8.00	11.25	19.25	0.390	0.941
16 x 8	17	360 028 989	26.75	16.00	8.63	8.00	19.50	27.50	0.507	0.941
16 x 10	17	360 019 030	28.75	16.00	10.75	8.00	20.00	28.00	0.632	0.941
18 x 3	17	360 061 679	20.50	18.00	3.50	8.00	10.75	19.75	0.206	1.059
18 x 4	17	360 061 493	22.63	18.00	4.50	8.00	10.75	19.75	0.265	1.059
18 x 6	17	360 028 662	24.63	18.00	6.63	8.00	11.25	20.25	0.390	1.059
18 x 8	17	360 028 666	26.75	18.00	8.63	8.00	19.50	28.50	0.507	1.059
18 x 10	17	360 061 159	28.75	18.00	10.75	8.00	20.25	29.25	0.632	1.059
18 x 12	17	360 061 318	31.00	18.00	12.75	8.00	22.25	31.25	0.750	1.059
20 x 3	17	360 032 056	20.50	20.00	3.50	8.00	10.75	20.75	0.206	1.176
20 x 4	17	360 061 682	22.63	20.00	4.50	8.00	11.00	21.00	0.265	1.176
20 x 6	17	360 061 683	24.63	20.00	6.63	8.00	11.50	21.50	0.390	1.176
20 x 8	17	360 028 698	26.75	20.00	8.63	8.00	19.75	29.75	0.507	1.176
20 x 10	17	360 019 113	28.75	20.00	10.75	8.00	20.50	30.50	0.632	1.176
20 x 12	17	360 019 119	31.00	20.00	12.75	8.00	22.50	32.50	0.750	1.176
20 x 14	17	360 028 140	32.00	20.00	14.00	8.00	25.00	35.00	0.824	1.176
22 x 3	17	360 061 685	20.50	22.00	3.50	8.00	11.00	22.00	0.206	1.294
22 x 4	17	360 061 686	22.63	22.00	4.50	8.00	11.00	22.00	0.265	1.294
22 x 6	17	360 061 687	24.63	22.00	6.63	8.00	11.50	22.50	0.390	1.294
22 x 8	17	360 019 150	26.75	22.00	8.63	8.00	20.00	31.00	0.507	1.294
22 x 10	17	360 061 728	28.75	22.00	10.75	8.00	20.50	31.50	0.632	1.294
22 x 12	17	360 061 729	31.00	22.00	12.75	8.00	22.75	33.75	0.750	1.294
22 x 14	17	360 061 730	32.00	22.00	14.00	8.00	25.25	36.25	0.824	1.294
24 x 3	17	360 061 690	20.50	24.00	3.50	8.00	11.00	23.00	0.206	1.412
24 x 4	17	360 019 183	22.63	24.00	4.50	8.00	11.00	23.00	0.265	1.412
24 x 6	17	360 061 691	24.63	24.00	6.63	8.00	11.75	23.75	0.390	1.412
24 x 8	17	360 019 195	26.75	24.00	8.63	8.00	20.00	32.00	0.507	1.412
24 x 10	17	360 019 202	28.75	24.00	10.75	8.00	20.75	32.75	0.632	1.412
24 x 12	17	360 019 208	31.00	24.00	12.75	8.00	23.00	35.00	0.750	1.412
24 x 14	17	360 061 732	32.00	24.00	14.00	8.00	25.50	37.50	0.824	1.412
24 x 16	17	360 060 340	34.00	24.00	16.00	8.00	26.50	38.50	0.941	1.412
26 x 3	17	360 061 695	24.50	26.00	3.50	10.00	11.25	24.25	0.206	1.529
26 x 4	17	360 061 696	26.63	26.00	4.50	10.00	11.25	24.25	0.265	1.529
26 x 6	17	360 061 697	28.63	26.00	6.63	10.00	11.75	24.25	0.390	1.529
26 x 8	17	360 061 698	30.75	26.00	8.63	10.00	20.25	33.25	0.507	1.529
26 x 10	17	360 028 763	32.75	26.00	10.75	10.00	21.00	34.00	0.632	1.529
26 x 12	17	360 061 699	35.00	26.00	12.75	10.00	23.25	36.25	0.750	1.529
26 x 14	17	360 061 733	36.00	26.00	14.00	10.00	26.00	39.00	0.824	1.529
26 x 16	17	360 061 734	38.00	26.00	16.00	10.00	27.00	40.00	0.941	1.529

table continued on the next page



Size	SDR	Part No.	A	B	C	D	E	F	G	H
(inch)			(inch)	(inch)	(inch)	(inch)	(inch)	(inch)	(inch)	(inch)
26 x 18	17	360 061 735	40.00	26.00	18.00	10.00	27.00	40.00	1.059	1.529
28 x 3	17	360 061 738	24.50	28.00	3.50	10.00	11.25	25.25	0.206	1.647
28 x 4	17	360 061 702	26.63	28.00	4.50	10.00	11.25	25.25	0.265	1.647
28 x 6	17	360 061 703	28.63	28.00	6.63	10.00	12.00	26.00	0.390	1.647
28 x 8	17	360 061 704	30.75	28.00	8.63	10.00	20.50	34.50	0.507	1.647
28 x 10	17	360 061 705	32.75	28.00	10.75	10.00	21.25	35.25	0.632	1.647
28 x 12	17	360 061 706	35.00	28.00	12.75	10.00	23.50	37.50	0.750	1.647
28 x 14	17	360 061 707	36.00	28.00	14.00	10.00	26.25	40.25	0.824	1.647
28 x 16	17	360 061 708	38.00	28.00	16.00	10.00	27.25	41.25	0.941	1.647
28 x 18	17	360 032 104	40.00	28.00	18.00	10.00	27.25	41.25	1.059	1.647
30 x 3	17	360 061 742	24.50	30.00	3.50	10.00	11.50	26.50	0.206	1.765
30 x 4	17	360 061 743	26.63	30.00	4.50	10.00	11.25	26.25	0.265	1.765
30 x 6	17	360 019 228	28.63	30.00	6.63	10.00	12.00	27.00	0.390	1.765
30 x 8	17	360 061 744	30.75	30.00	8.63	10.00	20.50	35.50	0.507	1.765
30 x 10	17	360 019 230	32.75	30.00	10.75	10.00	21.50	36.50	0.632	1.765
30 x 12	17	360 019 232	35.00	30.00	12.75	10.00	23.75	38.75	0.750	1.765
30 x 14	17	360 061 745	36.00	30.00	14.00	10.00	26.50	41.50	0.824	1.765
30 x 16	17	360 061 746	38.00	30.00	16.00	10.00	27.50	42.50	0.941	1.765
30 x 18	17	360 061 747	40.00	30.00	18.00	10.00	27.50	42.50	1.059	1.765
30 x 20	17	360 028 142	42.00	30.00	20.00	10.00	27.50	42.50	1.176	1.765
32 x 3	17	360 061 709	24.50	32.00	3.50	10.00	11.50	27.50	0.206	1.882
32 x 4	17	360 061 710	26.63	32.00	4.50	10.00	11.50	27.50	0.265	1.882
32 x 6	17	360 029 011	28.63	32.00	6.63	10.00	12.25	28.25	0.390	1.882
32 x 8	17	360 029 012	30.75	32.00	8.63	10.00	20.75	36.75	0.507	1.882
32 x 10	17	360 061 711	32.75	32.00	10.75	10.00	21.75	37.75	0.632	1.882
32 x 12	17	360 061 712	35.00	32.00	12.75	10.00	24.00	40.00	0.750	1.882
32 x 14	17	360 061 750	36.00	32.00	14.00	10.00	26.75	42.75	0.824	1.882
32 x 16	17	360 061 751	38.00	32.00	16.00	10.00	27.75	43.75	0.941	1.882
32 x 18	17	360 061 752	40.00	32.00	18.00	10.00	27.75	43.75	1.059	1.882
32 x 20	17	360 061 753	42.00	32.00	20.00	10.00	27.75	43.75	1.176	1.882
36 x 3	17	360 061 714	24.50	36.00	3.50	10.00	12.00	30.00	0.206	2.118
36 x 4	17	360 061 715	26.63	36.00	4.50	10.00	11.50	29.50	0.265	2.118
36 x 6	17	360 019 240	28.63	36.00	6.63	10.00	12.50	30.50	0.390	2.118
36 x 8	17	360 019 242	30.75	36.00	8.63	10.00	21.00	39.00	0.507	2.118
36 x 10	17	360 061 716	32.75	36.00	10.75	10.00	22.25	40.25	0.632	2.118
36 x 12	17	360 019 245	35.00	36.00	12.75	10.00	24.50	42.50	0.750	2.118
36 x 14	17	360 061 717	36.00	36.00	14.00	10.00	27.25	45.25	0.824	2.118
36 x 16	17	360 019 247	38.00	36.00	16.00	10.00	28.25	46.25	0.941	2.118
36 x 18	17	360 032 105	40.00	36.00	18.00	10.00	28.25	46.25	1.059	2.118
36 x 20	17	360 061 758	42.00	36.00	20.00	10.00	28.25	46.25	1.176	2.118
36 x 24	17	360 019 263	46.00	36.00	24.00	10.00	29.25	46.25	1.412	2.118

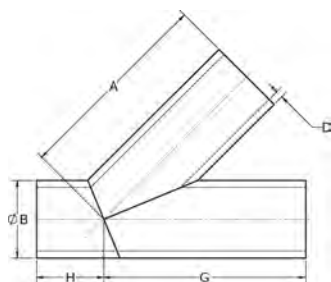
Wyes



Design-Flow Wye 45 Butt PE4710 SDR 11 IPS - Fabricated

- Approval: NSF-61
- Approval: AWWA C901
- 125 PSI rated. For full pressure and/or additional sizes, contact factory.

Size (inch)	SDR	Part No.	A (inch)	B (inch)	D (inch)	G (inch)	H (inch)	Weight (lb)
4	11	360 017 395	22.00	4.50	0.41	22.00	7.00	8.55
6	11	360 017 399	28.00	6.63	0.60	28.00	7.00	22.55
10	11	360 017 408	31.00	10.75	0.98	31.00	8.00	40.46
8	11	360 017 404	30.00	8.62	0.78	30.00	8.00	63.11
12	11	360 017 412	33.00	12.75	1.16	33.00	11.00	96.57
14	11	360 017 416	42.00	14.00	1.27	42.00	11.00	146.17
16	11	360 017 421	44.00	16.00	1.45	44.00	13.00	200.90
18	11	360 017 425	57.00	18.00	1.64	57.00	14.00	327.49
20	11	360 017 429	65.00	20.00	1.82	65.00	14.00	455.64
22	11	360 017 433	67.00	22.00	2.00	67.00	14.00	561.56
24	11	360 017 437	69.00	24.00	2.18	69.00	15.00	685.62
26	11	360 017 440	70.00	26.00	2.36	70.00	17.00	818.94
28	11	360 017 443	71.00	28.00	2.55	71.00	18.00	958.98
30	11	360 017 446	90.00	30.00	2.73	90.00	18.00	1393.13
32	11	360 017 449	91.00	32.00	2.91	91.00	19.00	1597.59
36	11	360 017 455	95.00	36.00	3.27	95.00	20.00	2088.30



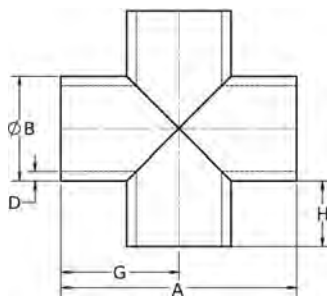
Design-Flow Wye 45 Butt PE4710 SDR 17 IPS - Fabricated

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: NSF-61
- Approval: AWWA C901

Size (inch)	SDR	Part No.	A (inch)	B (inch)	D (inch)	G (inch)	H (inch)	Weight (lb)
4	17	360 017 396	22.00	4.50	0.26	22.00	7.00	5.72
6	17	360 017 400	28.00	6.63	0.39	28.00	7.00	15.07
8	17	360 017 405	30.00	8.63	0.51	30.00	8.00	26.98
10	17	360 017 409	31.00	10.75	0.63	31.00	8.00	42.06
12	17	360 017 413	33.00	12.75	0.75	33.00	11.00	64.35
14	17	360 017 417	42.00	14.00	0.82	42.00	11.00	97.51
16	17	360 017 422	44.00	16.00	0.94	44.00	13.00	133.85
18	17	360 017 426	57.00	18.00	1.06	57.00	14.00	218.51
20	17	360 017 430	65.00	20.00	1.18	65.00	14.00	303.84
22	17	360 017 434	67.00	22.00	1.29	67.00	14.00	374.41
24	17	360 017 438	69.00	24.00	1.41	69.00	15.00	457.07
26	17	360 017 441	70.00	26.00	1.53	70.00	17.00	545.51
28	17	360 017 444	71.00	28.00	1.65	71.00	18.00	638.92
30	17	360 017 447	90.00	30.00	1.77	90.00	18.00	929.07
32	17	360 017 450	91.00	32.00	1.88	91.00	19.00	1064.71
36	17	360 017 456	95.00	36.00	2.12	95.00	20.00	1391.44

Cross

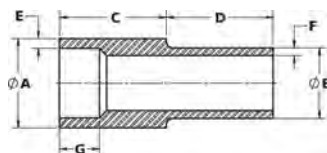


Design-Flow Line Cross Butt PE4710 SDR11 IPS

- Approval: NSF-61
- Approval: AWWA C901
- 125 PSI rated. For full pressure and/or additional sizes, contact factory.

Size (inch)	SDR	Part No.	A (inch)	B (inch)	D (inch)	G (inch)	H (inch)	Weight (lb)
4	11	360 017 080	16.50	4.50	0.41	8.25	6.00	5.72
6	11	360 017 083	18.60	6.63	0.60	9.30	6.00	15.07
8	11	360 017 087	24.60	8.63	0.78	12.30	8.00	26.98
10	11	360 017 091	26.80	10.75	0.98	13.40	8.00	42.06
12	11	360 017 095	28.80	12.75	1.16	14.40	8.00	64.35

Reducer Bushings

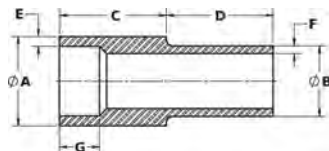


Design-Flow Reducer Bushing Butt PE4710 SDR 11 IPS Type A - Fabricated

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: NSF-61
- Approval: AWWA C906
- Approval: ASTM D3261

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	E (inch)	F (inch)	G (inch)	Weight (lb)
14 x 10	11	360 018 417	14.00	10.75	7.00	7.00	1.27	0.98	1.50	29.39
14 x 12	11	360 018 421	14.00	12.75	7.00	7.00	1.27	1.16	1.50	31.60
16 x 12	11	360 018 433	16.00	12.75	7.00	7.00	1.45	1.16	1.50	43.80
16 x 14	11	360 018 437	16.00	14.00	7.00	7.00	1.45	1.27	1.50	42.16
18 x 14	11	360 018 444	18.00	14.00	7.00	7.00	1.64	1.27	1.50	56.00
18 x 16	11	360 018 448	18.00	16.00	7.00	7.00	1.64	1.45	1.50	53.04
20 x 16	11	360 018 456	20.00	16.00	7.00	7.00	1.82	1.45	1.50	58.80
20 x 18	11	360 018 460	20.00	18.00	7.00	7.00	1.82	1.64	1.50	65.18
22 x 18	11	360 018 466	22.00	18.00	7.00	7.00	2.00	1.64	1.50	82.28
22 x 20	11	360 018 471	22.00	20.00	7.00	7.00	2.00	1.82	1.50	78.55
24 x 20	11	360 018 485	24.00	20.00	9.00	9.00	2.18	1.82	1.50	128.46
24 x 22	11	360 018 489	24.00	22.00	9.00	9.00	2.18	2.00	1.50	122.49
26 x 24	11	360 018 496	26.00	24.00	9.00	9.00	2.36	2.18	1.50	143.30
28 x 24	11	360 018 500	28.00	24.00	9.00	9.00	2.55	2.18	1.50	172.83

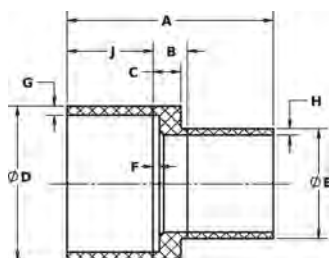


Design-Flow Reducer Bushing Butt PE4710 SDR 17 IPS Type A - Fabricated

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: NSF-61
- Approval: AWWA C906
- Approval: ASTM D3261

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	E (inch)	F (inch)	G (inch)	Weight (lb)
14 x 12	17	360 018 422	14.00	12.75	7.00	7.00	0.82	0.75	1.50	56.34
14 x 10	17	360 018 418	14.00	10.75	7.00	7.00	0.82	0.63	1.50	22.08
16 x 12	17	360 018 434	16.00	12.75	7.00	7.00	0.94	0.75	1.50	33.10
16 x 14	17	360 018 438	16.00	14.00	7.00	7.00	0.94	0.82	1.50	30.27
18 x 14	17	360 018 445	18.00	14.00	7.00	7.00	1.06	0.82	1.50	42.77
18 x 16	17	360 018 450	18.00	16.00	7.00	7.00	1.06	0.94	1.50	37.70
20 x 16	17	360 018 457	20.00	16.00	7.00	7.00	1.18	0.94	1.50	115.24
20 x 18	17	360 018 462	20.00	18.00	7.00	7.00	1.18	1.06	1.50	45.92
22 x 18	17	360 018 467	22.00	18.00	7.00	7.00	1.29	1.06	1.50	61.36
22 x 20	17	360 018 473	22.00	20.00	7.00	7.00	1.29	1.18	1.50	54.94
24 x 20	17	360 018 486	24.00	20.00	9.00	9.00	1.41	1.18	1.50	95.28
24 x 22	17	360 018 491	24.00	22.00	9.00	9.00	1.41	1.29	1.50	85.38
26 x 24	17	360 032 028	26.00	24.00	9.00	9.00	1.53	1.41	1.50	99.33
28 x 18	17	360 018 499	28.00	18.00	9.00	9.00	1.65	1.06	1.50	155.79
28 x 24	17	360 018 501	28.00	24.00	9.00	9.00	1.65	1.41	1.50	126.10
30 x 24	17	360 018 507	30.00	24.00	9.00	9.00	1.76	1.41	1.50	154.86
36 x 30	17	360 028 951	36.00	30.00	9.00	9.00	2.12	1.76	1.50	214.90

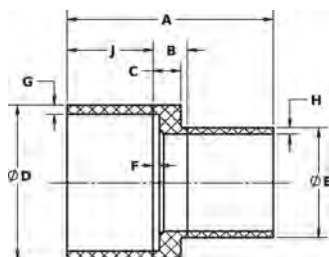


Design-Flow Reducer Bushing Butt PE4710 SDR 11 IPS Type B - Fabricated

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: NSF-61
- Approval: AWWA C906
- Approval: ASTM D3261

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	E (inch)	F (inch)	G (inch)	H (inch)	J (inch)	Weight (lb)
30 x 12	11	360 061 827	36.00	6.00	5.25	30.00	12.75	0.50	2.73	1.16	15.00	244.82
30 x 18	11	360 061 166	35.00	5.00	4.25	30.00	18.00	0.50	2.73	1.64	15.00	235.97
30 x 20	11	360 018 505	35.00	5.00	4.25	30.00	20.00	0.50	2.73	1.82	15.00	241.83
30 x 24	11	360 018 506	35.00	5.00	4.25	30.00	24.00	0.50	2.73	2.18	15.00	255.40
32 x 24	11	360 018 512	36.00	6.00	5.25	32.00	24.00	0.50	2.91	2.18	15.00	301.66
36 x 18	11	360 061 831	36.00	6.00	5.25	36.00	18.00	0.50	3.27	1.64	15.00	357.86
36 x 20	11	360 061 832	36.00	6.00	5.25	36.00	20.00	0.50	3.27	1.82	15.00	362.35
36 x 24	11	360 018 517	36.00	6.00	5.25	36.00	24.00	0.50	3.27	2.18	15.00	372.75
36 x 30	11	360 018 519	36.00	6.00	5.25	36.00	30.00	0.50	3.27	2.73	15.00	391.89



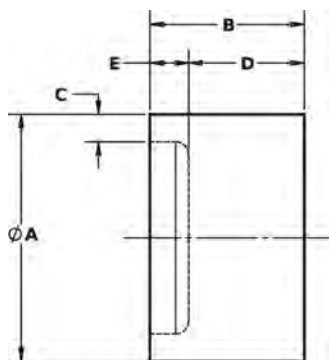
Design-Flow Reducer Bushing Butt PE4710 SDR 17 IPS Type B - Fabricated

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: NSF-61
- Approval: AWWA C906
- Approval: ASTM D3261

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	E (inch)	F (inch)	G (inch)	H (inch)	J (inch)	Weight (lb)
28 x 20	11	360 061 771	36.00	6.00	5.25	30.00	12.76	0.75	1.76	0.76	15.00	143.00
30 x 12	11	360 028 797	34.00	4.00	3.25	28.00	20.00	0.75	1.64	1.18	15.00	193.50
30 x 18	11	360 028 257	34.00	4.00	3.25	30.00	18.00	0.75	1.76	1.06	15.00	158.55
30 x 20	11	360 028 799	34.00	4.00	3.25	30.00	20.00	0.75	1.76	1.18	15.00	161.71
32 x 20	11	360 061 772	34.00	4.00	3.25	32.00	20.00	0.75	1.88	1.18	15.00	181.70
36 x 18	11	360 018 515	36.00	6.00	5.25	36.00	18.00	0.75	2.11	1.06	15.00	278.61
36 x 20	11	360 018 516	35.00	5.00	4.25	36.00	20.00	0.75	2.11	1.18	15.00	252.06
36 x 24	11	360 018 518	35.00	5.00	4.25	36.00	24.00	0.75	2.11	1.41	15.00	255.68

Caps

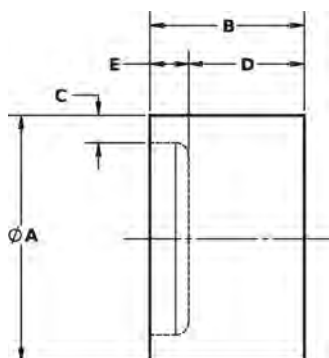


Design-Flow Caps PE4710 Butt SDR 11 - Fabricated

Please call for more information on availability, pricing, other sizes and dimensions.

- **Approval: ASTM D3261
- Approval: NSF-61
- Approval: AWWA C906

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	E (inch)	Weight (lb)
16	11	360 015 453	16.00	5.00	1.45	4.25	0.75	31.10
18	11	360 015 456	18.00	5.00	1.64	4.25	0.75	39.36
20	11	360 015 459	20.00	6.00	1.82	5.25	0.75	48.60
24	11	360 015 462	22.00	6.00	2.00	5.25	0.75	71.87
24	11	360 015 465	24.00	6.00	2.18	5.25	0.75	85.54
28	11	360 015 468	28.00	6.00	2.55	5.25	0.75	119.97



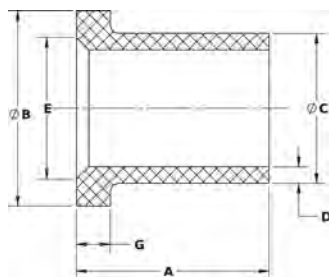
Design-Flow Caps PE4710 Butt SDR 17 - Fabricated

Please call for more information on availability, pricing, other sizes and dimensions.

- **Approval: ASTM D3261
- Approval: NSF-61
- Approval: AWWA C906

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	E (inch)	Weight (lb)
12	17	360 015 451	14.00	4.00	0.82	3.25	0.75	18.08
16	17	360 015 454	16.00	4.00	0.94	3.25	0.75	23.62
18	17	360 015 457	18.00	4.00	1.06	4.25	0.75	29.89
22	17	360 015 463	22.00	5.00	1.29	4.25	0.75	57.73
24	17	360 015 466	24.00	5.00	1.41	5.00	1.00	65.68

Flange Adapters

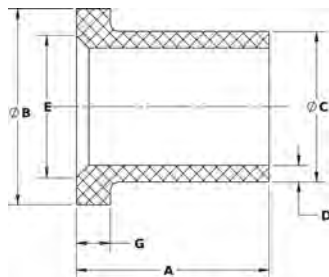


Design-Flow Flange Adaptor PE4710 IPS SDR 11 - For Butterfly Valve

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: ASTM D2513
- Approval: NSF-61
- Approval: AWWA C906
- Approval: ASTM D3261

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	G (inch)	E (inch)	Angle	Weight (lb)
2	11	360 001 495	6.06	3.96	2.38	0.14	0.39			0.90
4	11	360 001 552	6.03	5.97	4.50	0.41	0.54			1.97
6	11	360 001 571	8.00	8.50	6.63	0.60	1.00	6.25	45	4.55
8	11	360 001 589	10.50	10.63	8.63	0.78	1.00	8.00	25	7.89
10	11	360 021 844	12.00	12.75	10.75	0.98	1.28	10.00	30	12.29
12	11	360 001 439	12.00	15.00	12.75	1.16	1.54	12.00	30	20.40
14	11	360 001 454	12.75	17.50	14.00	1.27	2.31	13.63	25	
16	11	360 001 471	12.75	20.00	16.00	1.45	2.28	15.28	25	
18	11	360 021 857	13.00	21.38	18.00	1.64	2.25	17.25	25	
20	11	360 021 858	13.50	23.47	20.00	1.82	3.11	19.25	25	
24	11	360 021 860	14.50	27.85	24.00	2.18	3.97	23.25	25	

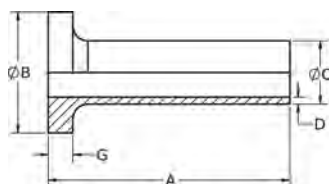


Design-Flow Flange Adaptor PE4710 IPS SDR 17 - For Butterfly Valve

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: ASTM D2513
- Approval: NSF-61
- Approval: AWWA C906
- Approval: ASTM D3261

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	G (inch)	E (inch)	Weight (lb)
2	17	360 021 859	6.06	3.96	2.38	0.14	0.39		0.70
3	17	360 003 511	6.06	5.05	3.50	0.21	0.63		0.90
4	17	360 002 864	6.03	5.97	4.50	0.26	0.54		1.58
6	17	360 028 889	8.00	8.50	6.63	0.39	1.00		3.46
8	17	360 016 960	10.50	10.63	8.63	0.51	1.00	8.00	5.92
10	17	360 016 962	12.00	12.75	10.75	0.63	1.28	10.00	9.07
12	17	360 016 963	12.00	15.00	12.75	0.75	1.54	12.00	14.91
14	17	360 028 073	12.00	17.50	14.00	0.82	1.57	13.63	
16	17	360 016 903	12.00	19.95	16.00	0.94	1.84	15.28	
18	17	360 016 904	12.00	21.32	18.00	1.06	1.97	17.25	
20	17	360 029 345	13.50	23.47	20.00	1.18		19.25	
24	17	360 016 905	14.50	27.85	24.00	1.41		23.25	

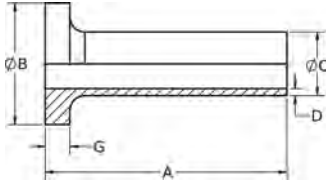


Design-Flow Flange Adaptor PE4710 IPS SDR 7

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: NSF-61
- Approval: ASTM D2513
- Approval: AWWA C906
- Approval: ASTM D3261
- Approval: FM 1613

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	G (inch)	Weight (lb)
10	7	360 001 430	11.00	12.75	10.75	1.54	2.00	19.27
12	7	360 001 448	11.00	15.00	12.75	1.82	2.28	27.38
14	7	360 016 753	11.00	17.50	14.00	2.00	2.50	35.81
16	7	360 016 762	12.00	20.00	16.00	2.29	2.88	51.60
18	7	360 016 772	12.00	21.12	18.00	2.57	3.25	61.87
20	7	360 016 780	13.00	23.50	20.00	2.86	3.63	83.33
22	7	360 016 790	13.00	25.60	22.00	3.14	3.94	101.02
24	7	360 016 798	14.00	28.00	24.00	3.43	4.29	130.20

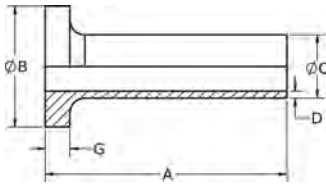


Design-Flow Flange Adaptor PE4710 IPS SDR 9

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: NSF-61
- Approval: ASTM D2513
- Approval: AWWA C906
- Approval: ASTM D3261
- Approval: FM 1613

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	G (inch)	Weight (lb)
6	9	360 062 389	8.00	8.50	6.63	0.74	1.00	4.49
8	9	360 062 391	9.00	10.63	8.63	0.96	1.25	8.40
10	9	360 004 466	10.00	12.75	10.75	1.19	1.50	14.17
12	9	360 061 625	11.00	15.00	12.75	1.42	1.88	22.15
14	9	360 016 754	11.00	17.50	14.00	1.56	2.00	28.84
16	9	360 016 763	12.00	20.00	16.00	1.78	2.25	41.35
18	9	360 016 773	12.00	21.12	18.00	2.00	2.50	49.51
20	9	360 016 781	12.00	23.50	20.00	2.22	2.88	62.76
22	9	360 016 791	12.00	25.60	22.00	2.44	3.13	76.09
24	9	360 016 799	14.00	28.00	24.00	2.67	3.36	104.47
26	9	360 016 810	15.00	30.00	26.00	2.89	3.63	129.56
28	9	360 016 818	15.70	32.00	28.00	3.11	3.88	155.77
30	9	360 016 828	15.90	34.10	30.00	3.33	4.19	181.61
32	9	360 016 838	16.00	36.50	32.00	3.56	4.50	211.38
36	9	360 016 853	18.30	40.80	36.00	4.00	5.00	301.53

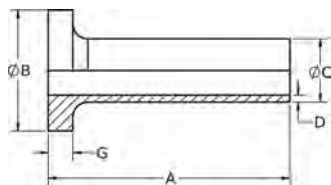


Design-Flow Flange Adaptor PE4710 SDR 11

- Approval: NSF-61
- Approval: AWWA C906
- Approval: ASTM D3261
- Approval: ASTM D2513
- **Approval: FM 1613

Please call for more information on availability, pricing, other sizes and dimensions.

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	G (inch)	Weight (lb)
2	11	360 000 054	6.06	3.96	2.38	0.22	0.39	0.38
3	11	360 000 055	6.06	5.05	3.50	0.32	0.63	0.79
4	11	360 000 056	6.03	5.97	4.50	0.41	0.54	1.39
6	11	360 000 057	7.80	8.50	6.63	0.60	0.78	3.72
8	11	360 000 058	9.40	10.63	8.63	0.78	1.00	6.99
10	11	360 003 451	9.20	12.82	10.75	0.98	1.36	11.89
12	11	360 001 439	12.00	14.88	12.75	1.16	1.55	18.48
14	11	360 001 452	12.00	17.50	14.00	1.27	1.57	23.99
16	11	360 001 469	12.00	19.95	16.00	1.45	1.84	34.58
18	11	360 001 482	12.00	21.32	18.00	1.64	1.97	41.12
20	11	360 016 782	12.00	23.50	20.00	1.82	2.27	51.97
22	11	360 016 792	12.00	25.60	22.00	2.00	2.50	63.15
24	11	360 016 800	14.00	28.00	24.00	2.18	2.75	87.07
26	11	360 016 811	15.00	30.00	26.00	2.36	2.96	108.22
28	11	360 016 819	15.00	32.30	28.00	2.55	3.18	125.50
30	11	360 016 829	15.00	34.10	30.00	2.73	3.53	144.73
32	11	360 016 839	15.00	36.50	32.00	2.91	3.64	166.59
36	11	360 016 854	16.50	40.80	36.00	3.27	4.09	242.52



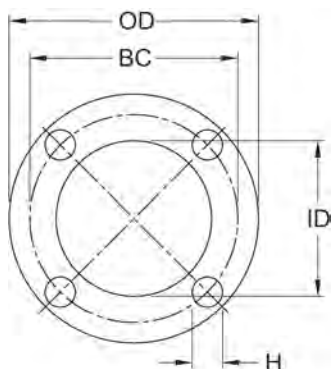
Design-Flow Flange Adaptor PE4710 IPS SDR17

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: ASTM D2513
- Approval: NSF-61
- Approval: AWWA C906
- Approval: ASTM D3261

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	G (inch)	Weight (lb)
2	17	360 003 508	6.06	3.96	2.38	0.14	0.39	0.29
3	17	360 003 509	6.06	5.00	3.50	0.21	0.63	0.57
4	17	360 001 556	6.03	5.97	4.50	0.26	0.54	1.04
6	17	360 000 017	7.80	8.50	6.63	0.39	0.78	2.69
8	17	360 001 594	9.40	10.63	8.63	0.51	1.00	5.02
10	17	360 004 436	9.20	12.82	10.75	0.63	1.36	8.50
12	17	360 001 443	12.00	14.88	12.75	0.75	1.55	13.23
14	17	360 001 457	12.00	17.50	14.00	0.82	1.57	17.66
16	17	360 001 474	12.00	19.95	16.00	0.94	1.84	25.55
18	17	360 001 486	12.00	21.32	18.00	1.06	1.97	29.72
20	17	360 016 783	12.00	23.50	20.00	1.18	2.27	37.88
22	17	360 016 793	12.00	25.60	22.00	1.29	2.50	46.10
24	17	360 016 802	14.00	28.00	24.00	1.41	2.73	63.41
26	17	360 016 812	14.00	30.00	26.00	1.53	1.91	71.40
28	17	360 016 822	14.00	32.30	28.00	1.65	2.06	84.64
30	17	360 016 831	14.00	34.30	30.00	1.77	2.21	100.04
32	17	360 016 841	14.00	36.50	32.00	1.88	2.35	116.32
36	17	360 016 856	14.00	40.80	36.00	2.12	2.65	160.96

Flange Rings

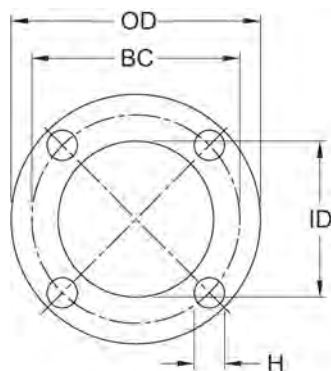


Flange Ring IPS - Black Epoxy Coated Ductile Iron - ANSI

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: GR 65/45/12
- Approval: ASTM A536
- Approval: FM 1613

Size (inch)	SDR	Part No.	I.D. (inch)	O.D. (inch)	# of Bolts	Weight (lb)
2	17	360 014 908	2.50	6.00	4	2.650
3	17	360 014 912	3.63	7.50	4	4.191
4	17	360 014 916	4.63	9.00	8	5.291
6	17	360 014 921	6.75	11.00	8	7.280
8	17	360 014 925	8.75	13.50	8	11.901
10	17	360 014 929	10.94	16.00	12	15.320
12	17	360 014 933	13.00	19.00	12	24.690
14	17	360 014 938	14.38	21.00	12	28.440
16	17	360 014 943	16.19	23.50	16	38.801
18	17	360 014 948	18.38	25.00	16	41.672
20	17	360 014 953	20.38	27.50	20	56.441
22	17	360 014 958	22.38	29.50	20	79.812
24	17	360 014 962	24.38	32.00	20	79.812
26	17	360 014 967	26.38	34.25	24	102.513
28	17	360 014 970	28.38	36.50	28	129.632
30	17	360 014 974	30.38	38.75	28	138.232
32	17	360 014 977	32.38	41.75	28	164.465
36	17	360 014 982	36.38	46.00	32	213.844



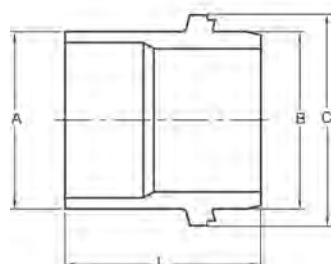
Flange Ring IPS - Stainless Steel 316 - ANSI

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: ASTM A351-CF8M
- Approval: FM 1613

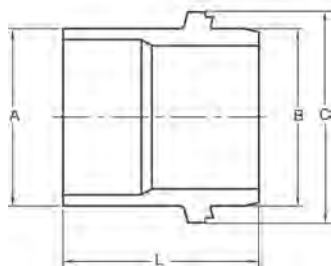
Size (inch)	SDR	Part No.	I.D. (inch)	O.D. (inch)	Bolt Holes	Weight (lb)
2	17	360 015 074	2.50	6.00	4	2.600
3	17	360 015 078	3.63	7.50	4	4.800
4	17	360 015 082	4.63	9.00	8	5.900
6	17	360 015 087	6.75	11.00	8	8.000
8	17	360 015 091	8.75	13.50	8	13.000
10	17	360 015 095	10.94	16.00	12	16.000
12	17	360 015 099	13.00	19.00	12	27.000
14	17	360 015 103	14.38	21.00	16	31.000
16	17	360 015 107	16.38	23.50	16	42.000
18	17	360 015 111	18.38	25.00	20	46.000
20	17	360 015 115	20.38	27.50	20	58.000
22	17	360 015 119	22.38	29.50	20	69.000
24	17	360 015 123	24.38	32.00	20	87.000
26	17	360 015 127	26.38	34.25	24	109.000
28	17	360 015 130	28.38	36.50	28	130.000
30	17	360 015 133	30.38	38.75	28	140.000
32	17	360 015 136	32.38	41.75	28	165.000
36	17	360 015 141	36.38	46.00	32	214.000

MJ Adaptor



Design-Flow MJ Adaptor PE4710 IPS SDR 9

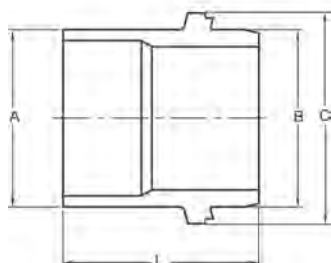
Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	L (inch)	Weight (lb)
2	9	360 017 703	2.38	2.50	4.93	8.00	0.64
3	9	360 029 091	3.50	3.96	5.38	8.50	1.51
4	9	360 029 094	4.50	4.80	6.63	8.00	2.34
6	9	360 029 099	6.63	6.90	8.63	9.50	5.19
8	9	360 029 105	8.63	9.05	10.75	11.50	10.77
10	9	360 029 086	10.75	11.10	12.75	13.00	17.80
12	9	360 001 814	12.75	13.20	15.25	13.50	26.48
14	9	360 062 341	14.00	15.30	17.50	13.50	49.34
16	9	360 062 342	16.00	17.40	20.00	14.50	36.16
18	9	360 062 343	18.00	19.50	22.00	16.00	67.92
20	9	360 062 344	20.00	21.60	24.00	16.50	85.65
24	9	360 062 345	24.00	25.80	28.00	18.00	130.23



Design-Flow MJ Adaptor PE4710 IPS SDR 9 - with Stiffener

Please call for more information on availability, pricing, other sizes and dimensions.

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	L (inch)	Weight (lb)
2	9	360 017 702	2.38	2.50	4.93	8.00	0.86
3	9	360 001 925	3.50	3.96	5.38	8.50	2.13
4	9	360 001 942	4.50	4.80	6.63	8.00	3.10
6	9	360 001 962	6.63	6.90	8.63	9.50	6.29
8	9	360 001 983	8.63	9.05	10.75	11.50	12.22
10	9	360 029 085	10.75	11.10	12.75	13.00	19.58
12	9	360 029 089	12.75	13.20	15.25	13.50	28.60
14	9	360 017 781	14.00	15.30	17.50	13.50	38.62
16	9	360 017 789	16.00	17.40	20.00	14.50	52.18
18	9	360 017 797	18.00	19.50	22.00	16.00	71.06
20	9	360 017 805	20.00	21.60	24.00	16.50	89.13
24	9	360 017 812	24.00	25.80	28.00	18.00	134.39

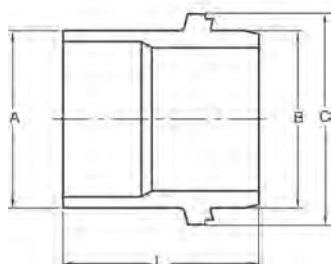


Design-Flow MJ Adaptor PE4710 IPS SDR 11

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: NSF-61
- Approval: AWWA C901
- Approval: ASTM D3261

Size (inch)	Part No.	A (inch)	B (inch)	C (inch)	L (inch)	Weight (lb)
2	360 017 705	2.38	2.50	4.93	8.00	0.60
14	360 017 783	14.00	15.30	17.50	13.50	33.86
16	360 017 791	16.00	17.40	20.00	14.50	46.11
18	360 017 799	18.00	19.50	22.00	16.00	63.28
20	360 017 813	20.00	21.60	24.00	16.50	79.71



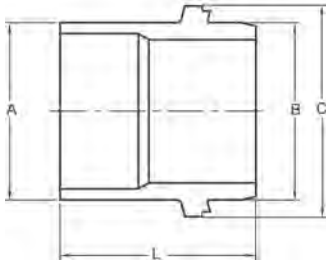
Design-Flow MJ Adaptor PE4710 IPS SDR 11 - with Stiffener

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: NSF-61
- Approval: AWWA C901
- Approval: ASTM D3261

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	L (inch)	Weight (lb)
2	11	360 017 704	2.38	2.50	4.93	8.00	0.82
14	11	360 017 782	14.00	15.30	17.50	13.50	36.32
16	11	360 017 790	16.00	17.40	20.00	14.50	48.95
18	11	360 017 798	18.00	19.50	22.00	16.00	66.42
20	11	360 017 806	20.00	21.60	24.00	16.50	83.19

Design-Flow MJ Adaptor PE4710 IPS SDR 17

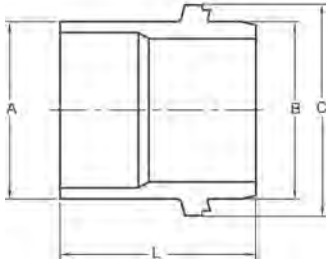


Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: NSF-61
- Approval: AWWA C906
- Approval: ASTM D3261

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	L (inch)	Weight (lb)
14	17	360 029 035	14.00	15.30	17.50	13.50	31.73
18	17	360 028 644	18.00	19.50	22.00	16.00	59.11
24	17	360 062 346	24.00	25.80	28.00	18.00	112.36
36	17	360 062 347	36.00	38.30	42.00	20.00	269.14

Design-Flow MJ Adaptor PE4710 IPS SDR 17 - with Stiffener

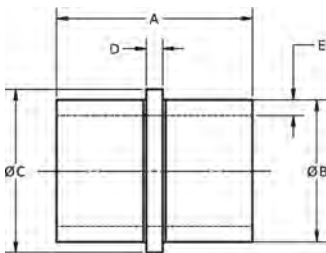


Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: NSF-61
- Approval: AWWA C906
- Approval: ASTM D3261

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	L (inch)	Weight (lb)
14	17	360 017 784	14.00	15.30	17.50	13.50	34.19
18	17	360 017 800	18.00	19.50	22.00	16.00	62.25
24	17	360 017 816	24.00	25.80	28.00	18.00	116.52
36	17	360 017 823	36.00	38.30	42.00	20.00	279.99

Thrust Restraint/Water Stop



Thrust Restraint / Water Stop SDR 11

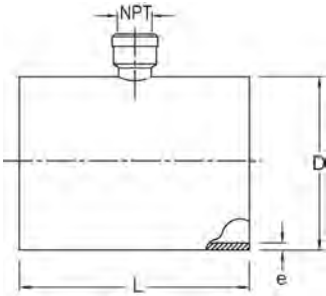
Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: NSF-61
- Approval: AWWA C906
- Approval: ASTM D3261

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	E (inch)	Weight (lb)
2	11	360 019 621	12.00	2.38	3.50	2.00	0.22	0.96
3	11	360 019 625	12.00	3.50	5.00	2.00	0.32	2.00
4	11	360 019 629	12.00	4.50	6.60	2.00	0.41	3.42
6	11	360 019 636	12.00	6.63	8.50	2.00	0.60	6.22
8	11	360 029 127	16.00	8.63	10.63	2.00	0.78	12.69
10	11	360 029 126	18.00	10.75	12.75	2.00	0.98	21.07
12	11	360 019 655	22.00	12.75	15.00	2.00	1.16	35.24
14	11	360 019 661	22.00	14.00	17.50	2.00	1.27	44.38
18	11	360 019 672	24.00	18.00	21.12	2.00	1.64	75.89
20	11	360 019 677	24.00	20.00	23.50	2.00	1.82	93.77
24	11	360 019 688	28.00	24.00	28.00	2.00	2.18	154.96

Instrument Fittings

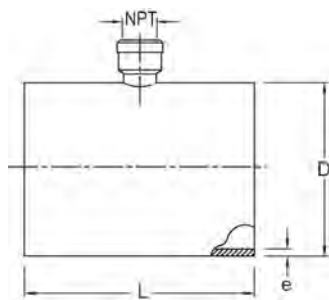
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Instrument Installation Fitting, Butt Fusion x FNPT, GF PE100, SDR11

D (inch)	SDR	Part No.	NPT (inch)	e (inch)	L (inch)
14	11	* 153 918 711	½	1.273	12.00
14	11	* 153 918 712	¾	1.273	12.00
14	11	* 153 918 713	1	1.273	12.00
16	11	* 153 918 714	½	1.455	13.50
16	11	* 153 918 715	¾	1.455	13.50
16	11	* 153 918 716	1	1.455	13.50
18	11	* 153 918 717	½	1.636	15.00
18	11	* 153 918 718	¾	1.636	15.00
18	11	* 153 918 719	1	1.636	15.00
20	11	* 153 918 720	½	1.818	16.50
20	11	* 153 918 721	¾	1.818	16.50
20	11	* 153 918 722	1	1.818	16.50
22	11	* 153 918 723	½	2.000	18.00
22	11	* 153 918 724	¾	2.000	18.00
22	11	* 153 918 725	1	2.000	18.00
24	11	* 153 918 726	½	2.182	19.50
24	11	* 153 918 727	¾	2.182	19.50
24	11	* 153 918 728	1	2.182	19.50

A

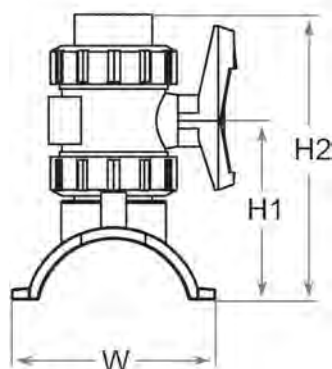
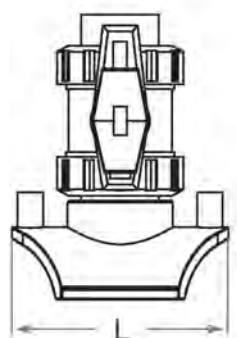
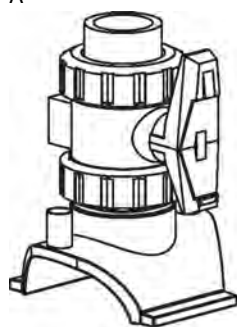


Instrument Installation Fitting, Butt Fusion x FNPT, GF PE100, SDR 17

D (inch)	SDR	Part No.	NPT (inch)	e (inch)	L (inch)
6.63	17	153 918 899	½	0.390	6.00
6.63	17	153 918 900	¾	0.390	6.00
6.63	17	153 918 901	1	0.390	6.00
8.63	17	153 918 902	½	0.507	7.50
8.63	17	153 918 903	¾	0.507	7.50
8.63	17	153 918 904	1	0.507	7.50
10.75	17	153 918 905	½	0.632	9.00
10.75	17	153 918 906	¾	0.632	9.00
10.75	17	153 918 907	1	0.632	9.00
12.75	17	153 918 908	½	0.750	10.50
12.75	17	153 918 909	¾	0.750	10.50
12.75	17	153 918 910	1	0.750	10.50
14.00	17	* 153 918 911	½	0.824	12.00
14.00	17	* 153 918 912	¾	0.824	12.00
14.00	17	* 153 918 913	1	0.824	12.00
16.00	17	* 153 918 914	½	0.941	13.50
16.00	17	* 153 918 915	¾	0.941	13.50
16.00	17	* 153 918 916	1	0.941	13.50
18.00	17	* 153 918 917	½	1.059	15.00
18.00	17	* 153 918 918	¾	1.059	15.00
18.00	17	* 153 918 919	1	1.059	15.00
20.00	17	* 153 918 920	½	1.176	16.50
20.00	17	* 153 918 921	¾	1.176	16.50
20.00	17	* 153 918 922	1	1.176	16.50
22.00	17	* 153 918 923	½	1.294	18.00
22.00	17	* 153 918 924	¾	1.294	18.00
22.00	17	* 153 918 925	1	1.294	18.00
24.00	17	* 153 918 926	½	1.412	19.50
24.00	17	* 153 918 927	¾	1.412	19.50
24.00	17	* 153 918 928	1	1.412	19.50
26.00	17	153 918 929	½	1.529	21.00
26.00	17	153 918 930	¾	1.529	21.00
26.00	17	153 918 931	1	1.529	21.00
28.00	17	153 918 932	½	1.647	22.50
28.00	17	153 918 933	¾	1.647	22.50
28.00	17	153 918 934	1	1.647	22.50
30.00	17	153 918 935	½	1.765	24.00
30.00	17	153 918 936	¾	1.765	24.00
30.00	17	153 918 937	1	1.765	24.00
32.00	17	153 918 938	½	1.882	25.50
32.00	17	153 918 939	¾	1.882	25.50
32.00	17	153 918 940	1	1.882	25.50
36.00	17	153 918 941	½	2.118	27.00
36.00	17	153 918 942	¾	2.118	27.00
36.00	17	153 918 943	1	2.118	27.00

Branch Saddle Valve

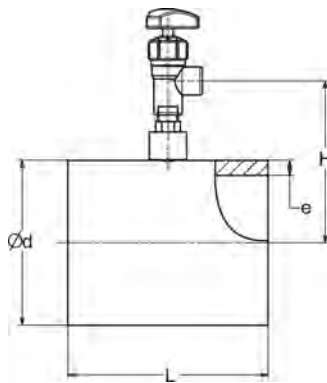
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PE100 Electrofusion Type 319 Branch Saddle Valve w/PP Type 546 Ball Valve and PE Metric Valve End SDR 11

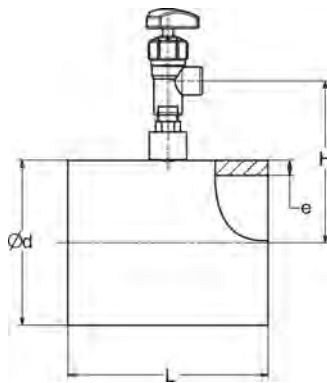
Size (inch)	SDR	PSI	EPDM Part No.	FKM Part No.	L (inch)	W (inch)	H1 (inch)	H2 (inch)
2 x 20	11/17	150	* 153 319 206	* 153 319 406	6.62	4.14	4.33	6.89
2 x 25	11/17	150	* 153 319 207	* 153 319 407	6.62	4.14	4.51	7.14
2 x 32	11/17	150	* 153 319 208	* 153 319 408	6.62	4.14	4.62	7.58
2 x 40	11/17	150	153 319 209	153 319 409	6.62	4.14	4.90	8.27
2 x 50	11/17	150	* 153 319 210	* 153 319 410	6.62	4.14	4.98	8.74
2 x 63	11/17	150	* 153 319 211	* 153 319 411	6.62	4.14	5.21	9.55
3 x 20	11/17	150	* 153 319 216	* 153 319 416	6.62	5.62	4.89	7.45
3 x 25	11/17	150	* 153 319 217	* 153 319 417	6.62	5.62	5.07	7.71
3 x 32	11/17	150	* 153 319 218	* 153 319 418	6.62	5.62	5.19	8.14
3 x 40	11/17	150	153 319 219	153 319 419	6.62	5.62	5.46	8.83
3 x 50	11/17	150	* 153 319 220	* 153 319 420	6.62	5.62	5.54	9.30
3 x 63	11/17	150	* 153 319 221	* 153 319 421	6.62	5.62	5.78	10.11
4 x 20	11/17	150	* 153 319 226	* 153 319 426	6.62	6.26	5.39	7.95
4 x 25	11/17	150	* 153 319 227	* 153 319 427	6.62	6.26	5.57	8.21
4 x 32	11/17	150	* 153 319 228	* 153 319 428	6.62	6.26	5.69	8.64
4 x 40	11/17	150	153 319 229	153 319 429	6.62	6.26	5.96	9.33
4 x 50	11/17	150	* 153 319 230	* 153 319 430	6.62	6.26	6.04	9.80
4 x 63	11/17	150	* 153 319 231	* 153 319 431	6.62	6.26	6.28	10.61
6 x 20	11/17	150	* 153 319 236	* 153 319 436	6.62	8.39	6.45	9.01
6 x 25	11/17	150	* 153 319 237	* 153 319 437	6.62	8.39	6.63	9.27
6 x 32	11/17	150	* 153 319 238	* 153 319 438	6.62	8.39	6.75	9.70
6 x 40	11/17	150	153 319 239	153 319 439	6.62	8.39	7.03	10.39
6 x 50	11/17	150	* 153 319 240	* 153 319 440	6.62	8.39	7.10	10.86
6 x 63	11/17	150	* 153 319 241	* 153 319 441	6.62	8.39	7.34	11.67
8 x 20	11/17	150	* 153 319 246	* 153 319 446	6.75	10.39	7.45	10.01
8 x 25	11/17	150	* 153 319 247	* 153 319 447	6.75	10.39	7.63	10.27
8 x 32	11/17	150	* 153 319 248	* 153 319 448	6.75	10.39	7.75	10.70
8 x 40	11/17	150	153 319 249	153 319 449	6.75	10.39	8.03	11.39
8 x 50	11/17	150	* 153 319 250	* 153 319 450	6.75	10.39	8.10	11.86
8 x 63	11/17	150	* 153 319 251	* 153 319 451	6.75	10.39	8.34	12.67
10 x 20	11/17	150	* 153 319 256	* 153 319 456	6.75	12.51	8.52	11.08
10 x 25	11/17	150	* 153 319 257	* 153 319 457	6.75	12.51	8.69	11.33
10 x 32	11/17	150	* 153 319 258	* 153 319 458	6.75	12.51	8.81	11.76
10 x 40	11/17	150	153 319 259	153 319 459	6.75	12.51	9.09	12.45
10 x 50	11/17	150	* 153 319 260	* 153 319 460	6.75	12.51	9.17	12.93
10 x 63	11/17	150	* 153 319 261	* 153 319 461	6.75	12.51	9.40	13.73
12 x 20	11/17	150	* 153 319 266	* 153 319 466	6.75	14.51	9.52	12.08
12 x 25	11/17	150	* 153 319 267	* 153 319 467	6.75	14.51	9.69	12.33
12 x 32	11/17	150	* 153 319 268	* 153 319 468	6.75	14.51	9.81	12.76
12 x 40	11/17	150	153 319 269	153 319 469	6.75	14.51	10.09	13.45
12 x 50	11/17	150	* 153 319 270	* 153 319 470	6.75	14.51	10.17	13.93
12 x 63	11/17	150	* 153 319 271	* 153 319 471	6.75	14.51	10.40	14.73

Sampling Valves



Sampling Valve Assembly Butt PE 4710 SDR 17 IPS Polyethylene body with Polypropylene valve

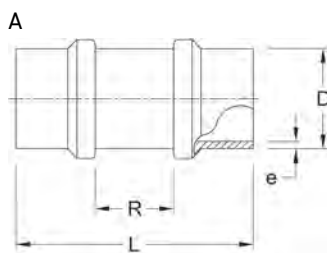
Size (inch)	SDR	Part No.	d (inch)	H (inch)	L (inch)	e (inch)
3	17	153 991 926	3.500	5.354	5.510	0.206
4	17	153 991 927	4.500	5.748	5.510	0.265



Sampling Valve Assembly Butt PE4710 SDR Polyethelene body with Polypropylene valve

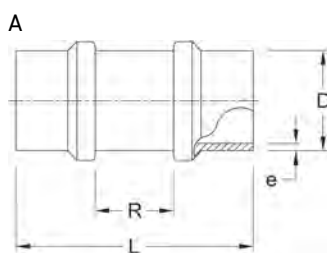
Size (inch)	SDR	Part No.	d (inch)	H (inch)	L (inch)	e (inch)
6	17	153 991 928	6.625	6.147	12.000	0.390
8	17	153 991 929	8.625	7.147	12.000	0.507
10	17	153 991 930	10.750	8.210	12.000	0.632
12	17	153 991 931	12.750	9.210	12.000	0.750
14	17	153 991 932	14.000	9.835	12.000	0.824
16	17	153 991 933	16.000	10.835	12.000	0.941
18	17	153 991 934	18.000	11.835	12.000	1.059
20	17	153 991 935	20.000	12.835	12.000	1.176
22	17	153 991 936	22.000	13.835	12.000	1.294
24	17	153 991 937	24.000	14.835	12.000	1.412
26	17	153 991 938	26.000	15.835	16.000	1.529
28	17	153 991 939	28.000	16.835	16.000	1.647
30	17	153 991 940	30.000	17.835	16.000	1.765
32	17	153 991 941	32.000	18.835	16.000	1.882
36	17	153 991 942	36.000	20.835	16.000	2.118

Restraint Fittings



Restraint Fitting Butt SDR 11

Size (inch)	SDR	Part No.	L (inch)	R (inch)	e (inch)	Pack Qty
2	11	* 153 918 004	4.13	1.26	0.216	5
3	11	* 153 918 005	4.92	1.57	0.319	5
4	11	* 153 918 006	4.92	1.57	0.409	5

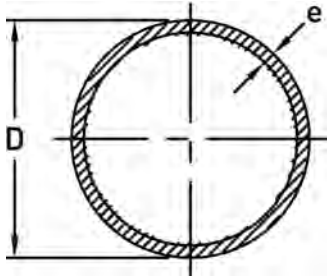


Restraint Fitting Butt SDR 17

Size (inch)	SDR	Part No.	L (inch)	R (inch)	e (inch)	Pack Qty
2	17	* 153 918 104	4.13	1.26	0.140	5
3	17	* 153 918 105	4.92	1.57	0.206	5
4	17	* 153 918 106	4.92	1.57	0.265	5

Design-Flow Red

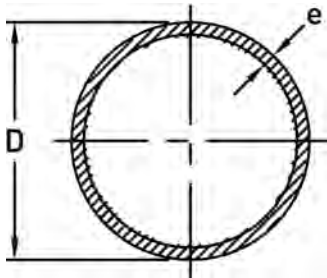
FM Approved Pipe



Design-Flow Red - PE4710 Pipe SDR 7 IPS Class 335 - 40 Foot Lengths with Red Stripe

- Approval: FM 1613
- Approval: ASTM F714
- Approval: AWWA C906
- Call for availability of other sizes and dimensions.
- Weight shown per foot.

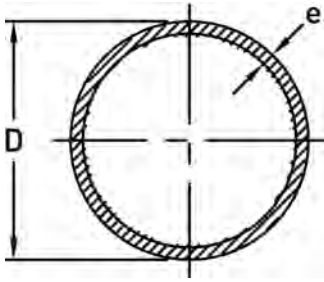
Size (inch)	SDR	Part No.	D (inch)	e (inch)	Weight (lb)
2	7	360 031 598	2.375	0.339	0.950
3	7	360 031 604	3.500	0.500	2.060
4	7	360 031 610	4.500	0.643	3.400
6	7	360 031 616	6.625	0.946	7.370
8	7	360 031 628	8.625	1.232	12.500
10	7	360 031 640	10.750	1.536	19.420
12	7	360 031 652	12.750	1.821	27.310
14	7	360 031 664	14.000	2.000	32.930
16	7	360 031 676	16.000	2.286	43.010
18	7	360 031 688	18.000	2.571	54.430
20	7	360 031 700	20.000	2.857	67.200
22	7	360 031 712	22.000	3.143	81.320
24	7	360 031 724	24.000	3.429	96.770



Design-Flow Red - PE4710 Pipe SDR 9 IPS Class 250 - 40 Foot Lengths with Red Stripe

- Approval: FM 1613
- Approval: ASTM F714
- Approval: AWWA C906
- Call for availability of other sizes and dimensions.
- Weight shown per foot.

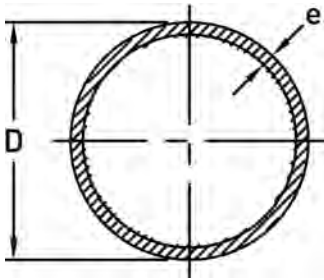
Size (inch)	SDR	Part No.	D (inch)	e (inch)	Weight (lb)
2	9	360 031 600	2.375	0.264	0.770
3	9	360 031 606	3.500	0.389	1.660
4	9	360 031 612	4.500	0.500	2.750
6	9	360 031 620	6.625	0.736	5.960
8	9	360 031 632	8.625	0.958	10.110
10	9	360 031 644	10.750	1.194	15.700
12	9	360 031 656	12.750	1.417	22.080
14	9	360 031 668	14.000	1.556	26.630
16	9	360 031 680	16.000	1.778	34.780
18	9	360 031 692	18.000	2.000	44.020
20	9	360 031 704	20.000	2.222	54.340
22	9	360 031 716	22.000	2.444	65.750
24	9	360 031 728	24.000	2.667	78.250



Design-Flow Red - PE4710 Pipe SDR 11 IPS Class 200 - 40 Foot Lengths with Red Stripe

- Approval: FM 1613
- Approval: ASTM F714
- Approval: AWWA C906
- Call for availability of other sizes and dimensions.
- Weight shown per foot.

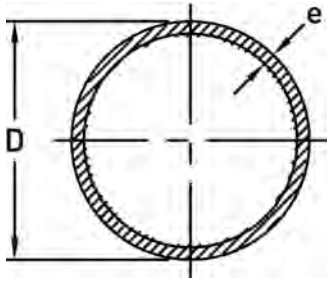
Size (inch)	SDR	Part No.	D (inch)	e (inch)	Weight (lb)
2	9	360 031 602	2.375	0.216	0.640
3	9	360 031 608	3.500	0.318	1.390
4	9	360 031 614	4.500	0.409	2.310
6	9	360 031 624	6.625	0.602	5.000
8	9	360 031 636	8.625	0.784	8.470
10	9	360 031 648	10.750	0.977	13.160
12	9	360 031 660	12.750	1.159	18.510
14	9	360 031 672	14.000	1.273	22.320
16	9	360 031 684	16.000	1.455	29.150
18	9	360 031 696	18.000	1.636	36.890
20	9	360 031 708	20.000	1.818	45.540
22	9	360 031 720	22.000	2.000	55.100
24	9	360 031 732	24.000	2.182	65.580



Design-Flow Red - PE4710 Pipe SDR 7 IPS Class 335 - 50 Foot Lengths with Red Stripe

- Approval: FM 1613
- Approval: ASTM F714
- Approval: AWWA C906
- Call for availability of other sizes and dimensions.
- Weight shown per foot.

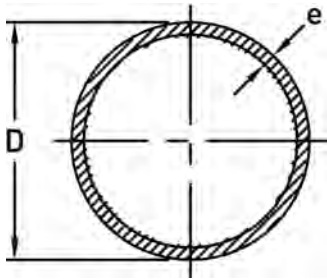
Size (inch)	SDR	Part No.	D (inch)	e (inch)	Weight (lb)
8	7	360 031 629	8.625	1.232	12.500
10	7	360 031 641	10.750	1.536	19.420
12	7	360 031 653	12.750	1.821	27.310
14	7	360 031 665	14.000	2.000	32.930
16	7	360 031 677	16.000	2.286	43.010
18	7	360 031 689	18.000	2.571	54.430
20	7	360 031 701	20.000	2.857	67.200
22	7	360 031 713	22.000	3.143	81.320
24	7	360 031 725	24.000	3.429	96.770



Design-Flow Red - PE4710 Pipe SDR 9 IPS Class 250 - 50 Foot Lengths with Red Stripe

- Approval: FM 1613
- Approval: ASTM F714
- Approval: AWWA C906
- Call for availability of other sizes and dimensions.
- Weight shown per foot.

Size (inch)	SDR	Part No.	D (inch)	e (inch)	Weight (lb)
6	9	360 031 621	6.625	0.736	5.960
8	9	360 031 633	8.625	0.958	10.110
10	9	360 031 645	10.750	1.194	15.700
12	9	360 031 657	12.750	1.417	22.080
14	9	360 031 669	14.000	1.556	26.630
16	9	360 031 681	16.000	1.778	34.780
18	9	360 031 693	18.000	2.000	44.020
20	9	360 031 705	20.000	2.222	54.340
22	9	360 031 717	22.000	2.444	65.750
24	9	360 031 729	24.000	2.667	78.250

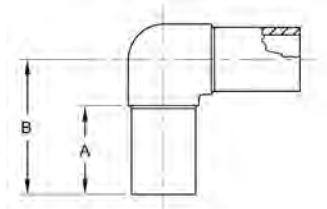


Design-Flow Red - PE4710 Pipe SDR 11 Class 200 - 50 Foot Lengths with Red Stripe

- Approval: FM 1613
- Approval: ASTM F714
- Approval: AWWA C906
- Call for availability of other sizes and dimensions.
- Weight shown per foot.

Size (inch)	SDR	Part No.	D (inch)	e (inch)	Weight (lb)
6	11	360 031 625	6.625	0.602	5.000
8	11	360 031 637	8.625	0.784	8.470
10	11	360 031 649	10.750	0.977	13.160
12	11	360 031 661	12.750	1.159	18.510
14	11	360 031 673	14.000	1.273	22.320
16	11	360 031 685	16.000	1.455	29.150
18	11	360 031 697	18.000	1.636	36.890
20	11	360 031 709	20.000	1.818	45.540
22	11	360 031 721	22.000	2.000	55.100
24	11	360 031 733	24.000	2.182	65.580

FM Approved Fittings

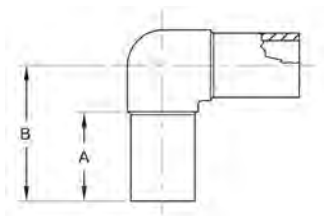


Design-Flow Red - 90 Elbow Butt PE4710 SDR 9 IPS - Molded Class 250

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: ASTM D2513
- Approval: NSF-61
- Approval: AWWA C906
- Approval: ASTM D3261

Size (inch)	SDR	Part No.	A (inch)	B (inch)	Box Qty	Weight (lb)
4	9/9.3	360 000 281	3.00	5.75	10	3.594
6	9/9.3	360 000 295	4.38	9.00	2	9.370
8	9	360 000 308	6.00	12.00	2	20.393
10	9	360 000 255	6.00	13.25	1	40.168
12	9	360 000 266	7.50	15.88	1	64.000

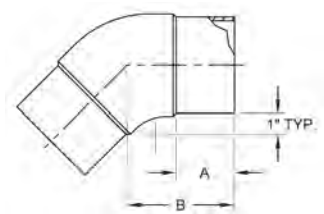


Design-Flow Red - 90 Elbow Butt PE4710 SDR 11 IPS - Molded Class 200

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: FM 1613
- Approval: NSF-61
- Approval: ASTM D2513
- Approval: ASTM D3261
- Approval: AWWA C906

Size (inch)	SDR	Part No.	A (inch)	B (inch)	Box Qty	Weight (lb)
4	11	360 000 274	3.88	6.63	10	3.616
6	11	360 000 043	4.64	9.18	2	7.848
8	11	360 000 044	6.00	12.00	2	17.240
10	11	360 000 246	6.00	13.25	1	37.501
12	11	360 000 257	7.50	15.88	1	53.991

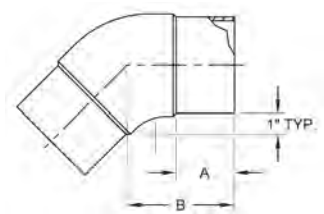


Design-Flow Red - 45 Elbow Butt PE4710 SDR 9 IPS - Molded Class 250

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: ASTM D2513
- Approval: AWWA C906
- Approval: ASTM D3261

Size (inch)	SDR	Part No.	A (inch)	B (inch)	Box Qty	Weight (lb)
4	9/9.3	360 000 203	2.77	5.00	10	3.153
6	9	360 000 216	4.11	7.00	2	7.055
8	9	360 000 227	6.21	11.00	2	20.194
10	9	360 000 175	5.64	13.25	1	47.311
12	9	360 000 186	7.13	15.75	1	68.498

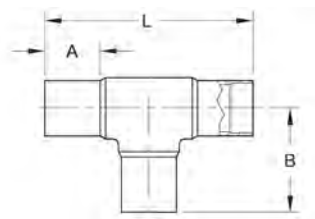


Design-Flow Red - 45 Elbow Butt PE4710 SDR 11 IPS - Molded Class 200

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: ASTM D2513
- Approval: NSF-61
- Approval: AWWA C906
- Approval: ASTM D3261
- Approval: FM 1613

Size (inch)	SDR	Part No.	A (inch)	B (inch)	Box Qty	Weight (lb)
4	11	360 029 039	3.65	6.29	10	3.020
6	11	360 028 266	4.11	7.00	2	8.620
8	11	360 019 686	6.21	11.00	2	18.629
10	11	360 000 167	5.64	13.25	1	40.763
12	11	360 000 177	7.13	15.75	1	64.000

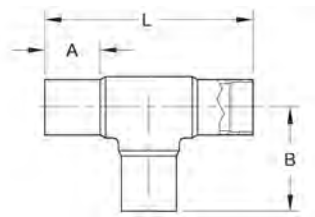


Design-Flow Red - Tee Butt PE4710 SDR 9 - Molded Class 250

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: ASTM D2513
- Approval: NSF-61
- Approval: AWWA C906
- Approval: ASTM D3261

Size (inch)	SDR	Part No.	A (inch)	B (inch)	L (inch)	Box Qty	Weight (lb)
4	9	360 000 534	2.70	5.60	11.20	10	3.902
6	9	360 000 547	4.11	9.00	18.00	1	15.102
8	9	360 000 560	5.67	12.00	24.00	1	34.106
10	9	360 000 501	5.64	13.25	26.50	1	55.094
12	9	360 000 513	7.50	15.88	31.75	1	91.007

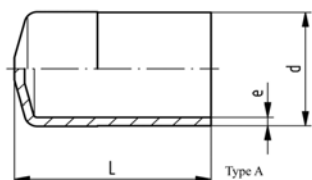


Design-Flow Red - Tee Butt PE4710 SDR 11 - Molded Class 200

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: ASTM D2513
- Approval: NSF-61
- Approval: AWWA C906
- Approval: ASTM D3261
- Approval: FM 1613

Size (inch)	SDR	Part No.	A (inch)	B (inch)	L (inch)	Box Qty	Weight (lb)
4	11	360 000 052	3.61	6.87	13.73	1	4.542
6	11	360 000 538	4.62	9.00	18.00	1	10.560
8	11	360 000 551	5.86	11.80	24.00	1	29.895
10	11	360 000 053	5.64	13.25	26.50	1	50.001
12	11	360 000 504	7.50	15.88	31.75	1	77.007

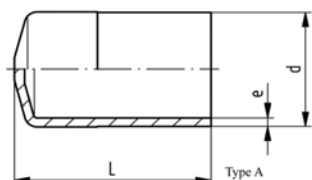


Design-Flow Red - Cap Butt PE4710 SDR 9 IPS - Molded, Class 250

- Approval: FM CL200
- Approval: NSF-61
- Approval: AWWA C906
- Approval: FM 1613
- Approval: ASTM D2513/D3261

Please call for more information on availability, pricing, other sizes and dimensions.

Size (inch)	SDR	Part No.	L (inch)	d (inch)	e (inch)	Box Qty	Weight (lb)
4	9	360 000 350	10.70	4.50	0.50	5	2.491
6	9	360 000 361	10.25	6.63	0.74	5	4.343
8	9	360 000 371	12.41	8.63	0.96	5	9.458

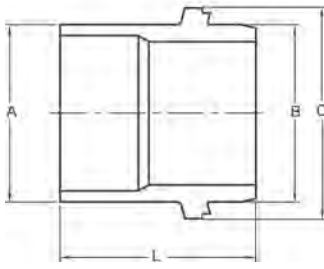


Design-Flow Red - Cap Butt PE4710 SDR 11 IPS - Molded, Class 200

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: ASTM D2513
- Approval: NSF-61
- Approval: AWWA C906
- Approval: ASTM D3261

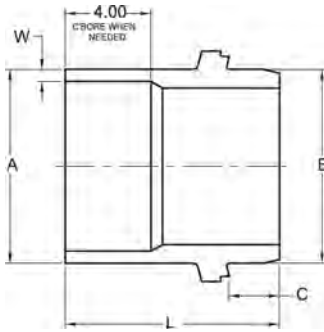
Size (inch)	SDR	Part No.	L (inch)	d (inch)	e (inch)	Box Qty	Weight (lb)
4	11	360 000 343	7.75	4.50	0.42	10	1.653
6	11	360 000 352	6.44	6.63	0.60	5	2.690
8	11	360 000 363	7.95	8.63	0.78	6	8.091
10	11	360 003 452	10.05	10.75	0.98	1	13.272
12	11	360 003 454	11.93	12.75	1.16	1	21.208



Design-Flow Red - MJ Adaptor Butt PE4710 SDR 9 IPS - Class 250

Please call for more information on availability, pricing, other sizes and dimensions.

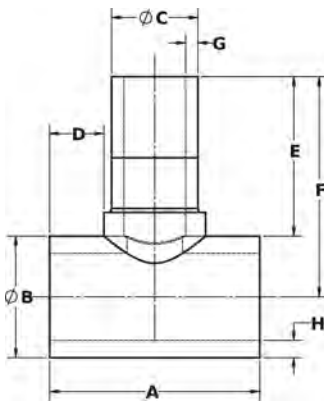
Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	L (inch)	Weight (lb)
4	9	360 017 730	4.50	4.80	6.63	8.00	2.340
6	9	360 017 741	6.63	6.90	8.63	9.50	5.190
8	9	360 017 752	8.63	9.05	10.75	11.50	10.770
10	9	360 017 764	10.75	11.10	12.75	13.00	17.800
12	9	360 017 777	12.75	13.20	15.25	13.50	26.480
16	9	360 017 794	16.00	17.40	17.50	14.50	36.160



Design-Flow Red - MJ Adapter Butt PE4710 SDR 11 IPS - Class 200

Please call for more information on availability, pricing, other sizes and dimensions.

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	L (inch)	Box Qty	Weight (lb)
4	11	360 003 464	4.50	4.80	2.34	10.25	6	3.395
6	11	360 022 242	6.63	6.90	2.31	11.31	4	6.570
8	11	360 003 467	8.63	9.05	2.34	11.94	3	11.199
10		360 004 432	10.75	11.10	2.25	13.56	1	17.924
12	11	360 003 483	12.75	13.20	2.25	13.00	1	22.994

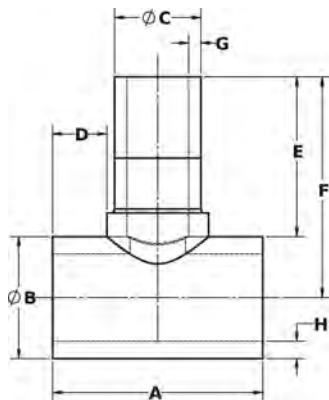


Design-Flow Red - Reducing Tee Butt PE4710 SDR 7 IPS - Fabricated 335

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: NSF-61
- Approval: AWWA C906
- Approval: FM CL267

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	E (inch)	F (inch)	G (inch)	H (inch)
8 x 6	7	360 004 491	21.10	8.63	6.63	6.90	10.00	14.31	0.95	1.23
10 x 4	7	360 004 473	19.00	10.75	4.50	7.10	9.75	15.13	0.64	1.54
10 x 6	7	360 004 474	21.10	10.75	6.63	6.90	10.02	15.40	0.95	1.54
10 x 8	7	360 004 475	24.00	10.75	8.63	7.30	18.74	24.12	1.23	1.54
12 x 6	7	360 018 951	24.10	12.75	6.63	8.40	10.02	16.40	0.95	1.82
12 x 8	7	360 018 958	28.00	12.75	9.63	9.30	18.74	25.12	1.23	1.82
12 x 10	7	360 018 964	30.10	12.75	10.75	9.30	19.01	25.39	1.54	1.82
14 x 6	7	360 018 984	24.10	14.00	6.63	8.40	10.00	17.00	0.95	2.00
14 x 8	7	360 018 989	28.00	14.00	8.63	9.30	18.80	25.80	1.23	2.00
16 x 6	7	360 019 022	29.10	16.00	6.63	10.90	10.00	18.00	0.95	2.29
16 x 10	7	360 019 033	34.10	16.00	10.75	11.30	19.00	27.00	1.54	2.29
16 x 12	7	360 019 039	36.00	16.00	12.75	11.10	21.00	29.00	1.82	2.29
18 x 6	7	360 019 061	29.10	18.00	6.63	10.90	10.00	19.00	0.95	2.57
18 x 8	7	360 019 066	32.00	18.00	8.63	11.30	18.80	27.80	1.23	2.57
18 x 10	7	360 019 071	34.10	18.00	10.75	11.30	19.00	28.00	1.54	2.57
18 x 12	7	360 019 077	36.00	18.00	12.75	11.10	21.00	30.00	1.82	2.57
20 x 6	7	360 019 104	33.10	20.00	6.63	12.90	10.00	20.00	0.95	2.86
20 x 10	7	360 019 116	38.10	20.00	10.75	13.30	19.00	29.00	1.54	2.86
20 x 12	7	360 019 122	40.00	20.00	12.75	13.10	21.00	31.00	1.82	2.86
24 x 6	7	360 019 192	33.10	24.00	6.63	12.90	10.00	22.00	0.95	3.43
24 x 8	7	360 019 198	36.00	24.00	8.63	13.30	18.80	30.80	1.23	3.43
24 x 10	7	360 019 205	38.10	24.00	10.75	13.30	19.00	31.00	1.54	3.43
24 x 12	7	360 019 212	40.00	24.00	12.75	13.10	21.00	33.00	1.82	3.43

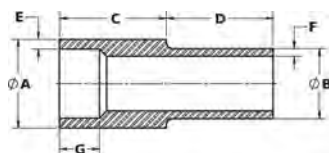


Design-Flow Red - Reducing Tee Butt PE4710 SDR 11 IPS - Fabricated, Class 250

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: FM CL150
- Approval: NSF-61
- Approval: AWWA C906

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	E (inch)	F (inch)	G (inch)	H (inch)
8 x 3	11	360 018 890	18.00	8.63	3.50	7.05	10.28	14.60	0.32	0.78
8 x 6	11	360 018 901	21.03	8.63	6.63	6.20	10.00	14.31	0.60	0.78
10 x 4	11	360 018 917	19.03	10.75	4.50	7.11	10.02	15.40	0.41	0.98
10 x 6	11	360 018 921	21.03	10.75	6.63	6.87	10.02	15.40	0.60	0.98
10 x 8	11	360 018 927	24.00	10.75	8.63	6.63	19.03	24.40	0.78	0.98
12 x 6	11	360 018 949	24.03	12.75	6.63	8.36	10.02	16.40	0.60	1.16
12 x 8	11	360 018 956	28.00	12.75	8.63	9.31	19.02	25.40	0.78	1.16
16 x 6	11	360 019 020	29.03	16.00	6.63	10.87	10.00	18.00	0.60	1.46
16 x 8	11	360 019 025	32.00	16.00	8.63	11.30	19.80	27.80	0.78	1.46
18 x 8	11	360 019 064	32.00	18.00	8.63	11.30	19.60	28.60	0.78	1.64
18 x 10	11	360 019 069	34.00	18.00	10.75	11.25	20.00	29.00	0.98	1.64
18 x 12	11	360 019 075	36.00	18.00	12.75	11.10	22.00	31.00	1.16	1.64
20 x 8	11	360 019 108	36.00	20.00	8.63	13.30	19.60	29.60	0.78	1.82
24 x 6	11	360 019 190	33.03	24.00	6.63	12.86	10.00	22.00	0.60	2.18
24 x 8	11	360 019 196	36.00	24.00	8.63	13.30	19.60	31.60	0.78	2.18
24 x 12	11	360 019 210	40.00	24.00	12.75	13.11	22.00	34.00	1.16	2.18

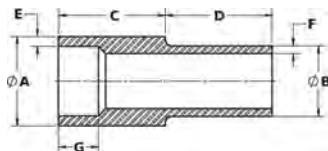


Design-Flow Red - Reducer Butt PE4710 SDR 9 IPS - Fabricated, Class 250

- Approval: FM CL150
- Approval: NSF-61
- Approval: AWWA C906
- Approval: FM 1613
- Approval: ASTM D2513/D3261

Please call for more information on availability, pricing, other sizes and dimensions.

Size	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	E (inch)	F (inch)	G (inch)	Weight (lb)
6 x 4	9	360 000 458	6.63	4.50	4.00	4.00	0.74	0.50	1.50	4.46
8 x 6	9	360 000 472	8.63	6.63	4.00	4.00	0.96	0.74	1.50	7.57
10 x 8	9	360 000 405	10.75	8.63	6.00	6.00	1.19	0.96	1.50	19.05
12 x 10	9	360 000 412	12.75	10.75	6.00	6.00	1.42	1.19	1.50	26.66
14 x 12	9	360 018 424	14.00	12.75	7.00	7.00	1.56	1.42	1.50	37.65
16 x 14	9	360 018 440	16.00	14.00	7.00	7.00	1.78	1.56	1.50	49.72
18 x 16	9	360 018 452	18.00	16.00	7.00	7.00	2.00	1.78	1.50	62.81
20 x 18	9	360 018 464	20.00	18.00	7.00	7.00	2.22	2.00	1.50	77.43
22 x 20	9	360 018 475	22.00	20.00	7.00	7.00	2.44	2.22	1.50	93.58
24 x 22	9	360 018 493	24.00	22.00	9.00	9.00	2.67	2.44	1.50	146.11

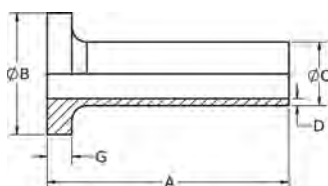


Design-Flow Red - Reducer Butt PE4710 SDR 11 IPS - Fabricated, Class 200

- Approval: FM CL150
- Approval: NSF-61
- Approval: AWWA C906
- Approval: FM 1613
- Approval: ASTM D2513/D3261

Please call for more information on availability, pricing, other sizes and dimensions.

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	E (inch)	F (inch)	G (inch)	Weight (lb)
6 x 4	11	360 000 066	6.63	4.50	4.00	4.00	0.60	0.41	1.50	3.93
8 x 6	11	360 000 068	8.63	6.63	4.00	4.00	0.78	0.60	1.50	6.55
10 x 8	11	360 018 400	10.75	8.63	6.00	6.00	0.98	0.78	1.50	16.44
12 x 10	11	360 003 455	12.75	10.75	6.00	6.00	1.16	0.98	1.50	22.78
14 x 12	11	360 018 423	14.00	12.75	7.00	7.00	1.27	1.16	1.50	31.60
16 x 14	11	360 018 439	16.00	14.00	7.00	7.00	1.46	1.27	1.50	42.16
18 x 16	11	360 018 451	18.00	16.00	7.00	7.00	1.64	1.46	1.50	53.04
20 x 18	11	360 018 463	20.00	18.00	7.00	7.00	1.82	1.64	1.50	65.18

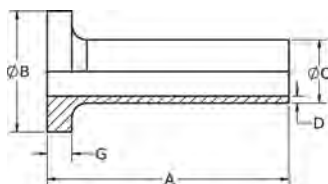


Design-Flow Red - Flange Adaptor Butt PE4710 SDR 7 IPS - Class 335

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: NSF-61
- Approval: AWWA C906
- Approval: ASTM D3261

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	G (inch)	Weight (lb)
10	11	360 004 465	11.00	12.75	10.75	1.54	2.00	19.27
12	11	360 016 752	11.00	15.00	12.75	1.82	2.28	27.38
14	11	360 016 761	11.00	17.50	14.00	2.00	2.50	35.81
16	11	360 016 771	12.00	20.00	16.00	2.29	2.88	51.60
18	11	360 016 779	12.00	21.12	18.00	2.57	3.25	61.87
20	11	360 016 789	13.00	23.50	20.00	2.86	3.63	83.33
24	11	360 016 808	14.00	28.00	24.00	3.43	4.29	130.20



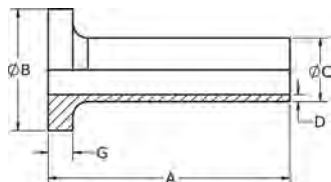
Design-Flow Red - Flange Adaptor Butt PE4710 SDR 9 IPS - Class 250

Please call for more information on availability, pricing, other sizes and dimensions.

Note: Beveled for Butterfly Valves available upon request. Standard 45° bevel unless otherwise specified by customer. Due to variations in valve dimensions, the installer should verify proper function of the valve at the time of installation.

- Approval: NSF-61
- Approval: ASTM D2513
- Approval: AWWA C906
- Approval: ASTM D3261
- Approval: FM 1613

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	G (inch)	Weight (lb)
2	9	360 016 699	5.50	3.90	2.38	0.26	0.39	0.43
3	9	360 016 706	6.50	5.00	3.50	0.39	0.50	1.02
4	9/9.3	360 001 561	6.50	6.60	4.50	0.50	0.63	1.79
6	9/9.3	360 001 582	8.00	8.50	6.63	0.74	1.00	4.49
8	9	360 001 600	9.00	10.63	8.63	0.96	1.25	8.40
10	9	360 001 432	10.00	12.75	10.75	1.19	1.50	14.17
12	9	360 001 450	11.00	15.00	12.75	1.42	1.88	22.15
14	9	360 001 463	11.00	17.50	14.00	1.56	2.00	28.84
16	9	360 001 481	12.00	20.00	16.00	1.78	2.25	41.35
18	9	360 001 493	12.00	21.12	18.00	2.00	2.50	49.51
20	9	360 001 516	12.00	23.50	20.00	2.22	2.88	62.76
24	9	360 016 807	14.00	28.00	24.00	2.67	3.36	104.47



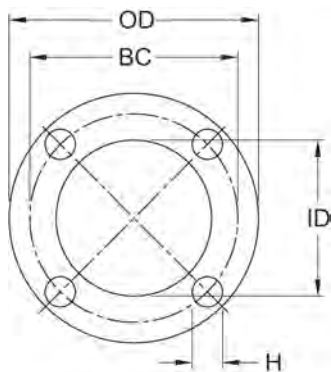
Design-Flow Red - Flange Adaptor Butt PE4710 SDR 11 IPS - Class 200

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: ASTM D2513
- Approval: NSF-61
- Approval: AWWA C906
- Approval: ASTM D3261
- Approval: FM 1613

Size (inch)	SDR	Part No.	A (inch)	B (inch)	C (inch)	D (inch)	E (inch)	Weight (lb)
2	11	360 016 698	6.06	3.96	2.38	0.22	0.39	0.38
3	11	360 016 705	6.06	5.05	3.50	0.32	0.63	0.79
4	11	360 001 551	6.03	5.97	4.50	0.41	0.54	1.39
6	11	360 001 570	7.80	8.50	6.63	0.60	0.78	3.72
8	11	360 001 588	9.40	10.63	8.63	0.78	1.00	6.99
10	11	360 003 451	9.20	12.82	10.75	0.98	1.36	11.89
12	11	360 001 438	12.00	14.88	12.75	1.16	1.55	18.48
14	11	360 001 453	12.00	17.50	14.00	1.27	1.57	23.99
16	11	360 001 470	12.00	19.95	16.00	1.45	1.84	34.58
18	11	360 001 483	12.00	21.32	18.00	1.64	1.97	41.12
20	11	360 001 507	12.00	23.50	20.00	1.82	2.27	51.97
24	11	360 016 806	14.00	28.00	24.00	2.18	2.75	87.07

Bolt Rings



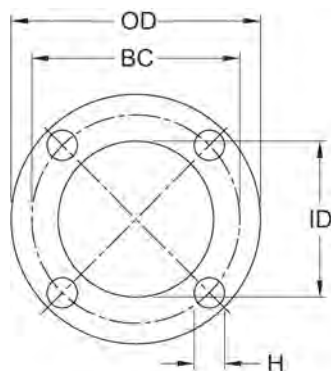
Design-Flow Red - Bolt Ring IPS - Ductile Iron, Class 335

Standard: Convuluted Type, Ductile Iron, 150 lb. Drilling; Finish: Red Oxide Primer.

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: GR 65/45/12
- Approval: ASTM A536
- Approval: FM 1613

Size (inch)	Part No.	OD (inch)	ID (inch)	Bolt Holes	Box Qty	Weight (lb)
2	360 014 825	6.00	2.50	4	1	2.650
3	360 014 829	7.50	3.63	4	1	4.191
4	360 014 833	9.00	4.63	8	1	5.271
6	360 014 837	11.00	6.75	8	1	7.275
8	360 014 840	13.50	8.75	8	1	11.905
10	360 014 843	16.00	10.94	12	1	15.320
12	360 014 847	19.00	13.00	12	1	25.020
14	360 014 852	21.00	14.38	12	1	34.280
16	360 014 857	23.50	16.19	16	1	47.181
18	360 014 862	25.00	18.38	16	1	52.031
20	360 014 870	27.50	20.38	20	1	69.441
22	360 014 874	29.50	22.38	20	1	79.812
24	360 014 879	32.00	24.38	20	1	102.513

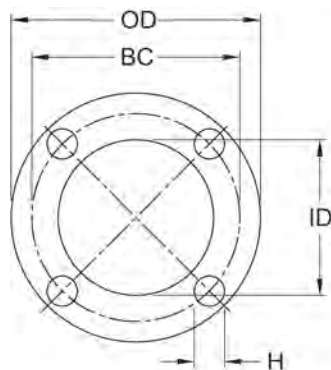


Design-Flow Red - Bolt Ring IPS - Ductile Iron, Class 250

Standard: Convuluted Type, Ductile Iron, 150 lb. Drilling; Finish: Red Oxide Primer.
Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: GR 65/45/12
- Approval: ASTM A536
- Approval: FM 1613

Size (inch)	Part No.	OD (inch)	ID (inch)	Bolt Holes	Box Qty	Weight (lb)
26	360 014 846	34.25	26.38	24	1	109.000
28	360 014 851	36.50	28.38	28	1	130.000

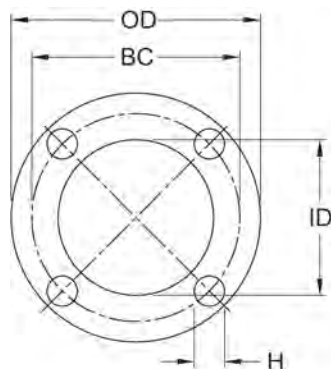


Design-Flow Red - Bolt Ring IPS - Ductile Iron, Class 200

Standard: Convuluted Type, Ductile Iron, 150 lb. Drilling; Finish: Red Oxide Primer.
Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: GR 65/45/12
- Approval: ASTM A536
- Approval: FM 1613

Size (inch)	Part No.	OD (inch)	ID (inch)	Bolt Holes	Box Qty	Weight (lb)
12	360 014 846	19.00	13.00	12	1	24.690
14	360 014 851	21.00	14.38	12	1	28.440
16	360 014 856	23.50	16.19	16	1	38.801
18	360 014 861	25.00	18.38	16	1	41.672
20	360 014 869	27.50	20.38	20	1	56.441
24	360 014 878	32.00	24.38	20	1	79.812
30	360 014 890	38.75	30.38	28	1	138.232
32	360 014 893	41.75	32.38	28	1	164.463
34	360 014 895	43.75	34.38	32	1	190.704
36	360 014 898	46.00	36.38	32	1	213.844

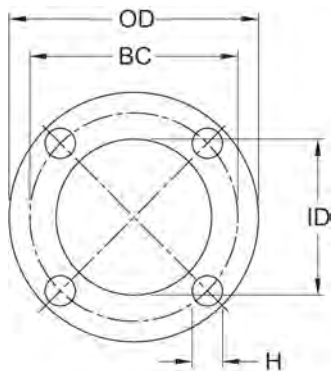


Design-Flow Red - Bolt Ring IPS - Epoxy Coated DI, Class 335

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: GR 65/45/12
- Approval: ASTM A536
- Approval: FM 1613

Size (inch)	Part No.	OD (inch)	ID (inch)	# holes	Box Qty	Weight (lb)
2	360 014 908	6.00	2.50	4	1	2.650
3	360 014 912	7.50	3.63	4	1	4.191
4	360 014 916	9.00	4.63	8	1	5.291
6	360 014 921	11.00	6.75	8	1	7.280
8	360 014 925	13.50	8.75	8	1	11.901
10	360 014 929	16.00	10.94	12	1	15.320
12	360 014 934	19.00	13.00	12	1	25.020
14	360 014 939	21.00	14.38	12	1	34.280
16	360 014 944	23.50	16.19	16	1	47.181
18	360 014 949	25.00	18.38	16	1	52.031
20	360 014 954	27.50	20.38	20	1	69.441
22	360 014 958	29.50	22.38	20	1	79.812
24	360 014 963	32.00	24.38	20	1	102.513

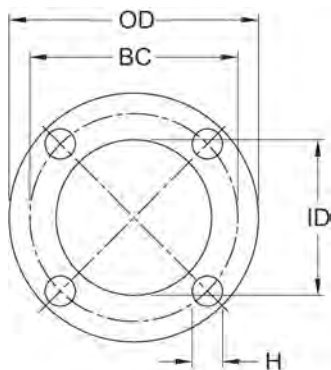


Design-Flow Red - Bolt Ring IPS - Epoxy Coated DI, Class 250

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: GR 65/45/12
- Approval: ASTM A536
- Approval: FM 1613

Size (inch)	Part No.	OD (inch)	ID (inch)	Bolt Holes	Box Qty	Weight (lb)
26	360 014 967	34.25	34.25	24	1	109.000
28	360 014 970	36.50	34.25	28	1	129.632

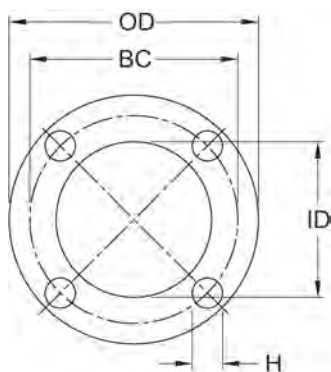


Design-Flow Red - Bolt Ring IPS - Epoxy Coated DI, Class 200

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: GR 65/45/12
- Approval: ASTM A536
- Approval: FM 1613

Size (inch)	Part No.	OD (inch)	ID (inch)	# of Bolts	Box Qty	Weight (lb)
12	360 014 933	19.00	13.00	12	1	24.690
14	360 014 938	21.00	14.38	12	1	28.440
16	360 014 943	23.50	16.19	16	1	38.801
18	360 014 948	25.00	18.38	16	1	41.672
20	360 014 953	27.50	20.38	20	1	56.441
24	360 014 962	32.00	24.38	20	1	79.812
30	360 014 974	38.75	30.38	28	1	138.232
32	360 014 977	41.75	32.38	28	1	164.465
34	360 014 979	43.75	34.38	32	1	190.704
36	360 014 982	46.00	36.38	32	1	213.844

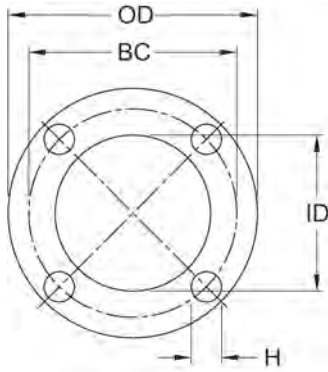


Design-Flow Red - Bolt Ring IPS - Galvanized Steel, Class 335

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: GR 65/45/12
- Approval: ASTM A536
- Approval: FM 1613

Size (inch)	Part No.	OD (inch)	ID (inch)	# of Bolts	Box Qty	Weight (lb)
2	360 014 991	6.00	2.50	4	1	2.650
3	360 014 995	7.50	3.63	4	1	4.191
4	360 014 999	9.00	4.63	8	1	5.291
6	360 015 004	11.00	6.75	8	1	7.280
8	360 015 008	13.50	8.75	8	1	11.901
10	360 015 012	16.00	10.94	12	1	15.320
12	360 015 017	19.00	13.00	12	1	25.020
14	360 015 022	21.00	14.38	12	1	34.280
16	360 015 027	23.50	16.19	16	1	47.181
18	360 015 032	25.00	18.38	16	1	52.031
20	360 015 037	27.50	20.38	20	1	69.441
22	360 015 041	29.50	22.38	20	1	79.812
24	360 015 046	32.00	24.38	20	1	102.513

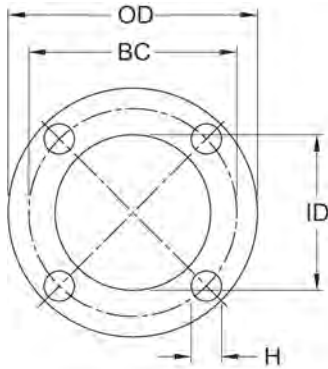


Design-Flow Red - Bolt Ring IPS - Galvanized Steel, Class 250

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: GR 65/45/12
- Approval: ASTM A536
- Approval: FM 1613

Size (inch)	Part No.	OD (inch)	ID (inch)	Bolt Holes	Box Qty	Weight (lb)
26	360 015 050	34.25	26.38	24	1	108.02
28	360 015 053	36.50	28.38	28	1	129.63

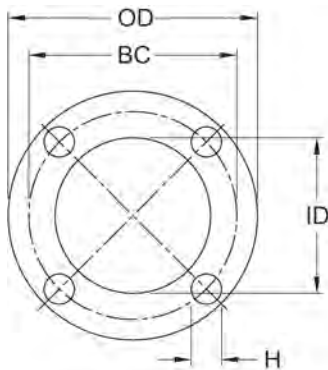


Design-Flow Red - Bolt Ring IPS - Galvanized Steel, Class 200

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: GR 65/45/12
- Approval: ASTM A536
- Approval: FM 1613

Size (inch)	Part No.	OD (inch)	ID (inch)	# of Bolts	Box Qty	Weight (lb)
12	360 015 016	19.00	13.00	12	1	24.690
14	360 015 021	21.00	14.38	12	1	28.440
16	360 015 026	23.50	16.19	16	1	38.801
18	360 015 031	25.00	18.38	16	1	41.672
20	360 015 036	27.50	20.38	20	1	56.441
24	360 015 045	32.00	24.38	20	1	79.812
30	360 015 057	38.75	30.38	28	1	138.232
32	360 015 060	41.75	32.38	28	1	164.463
34	360 015 062	43.75	34.38	32	1	190.704
36	360 015 065	46.00	36.38	32	1	213.844



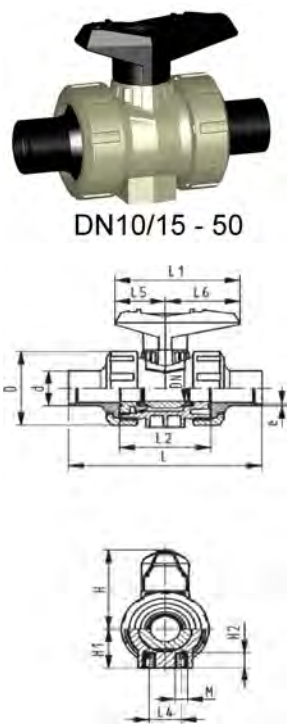
Design-Flow Red - Bolt Ring IPS - Stainless Steel, Class 335

Please call for more information on availability, pricing, other sizes and dimensions.

- Approval: ASTM A351-CF8M
- Approval: FM 1613

Size (inch)	Part No.	OD (inch)	ID (inch)	Bolt Holes	Box Qty	Weight (lb)
2	360 015 074	6.00	2.50	4	1	2.291
3	360 015 078	7.50	3.63	4	1	4.081
4	360 015 082	9.00	4.63	8	1	5.291
6	360 015 087	11.00	6.75	8	1	7.628
8	360 015 091	13.50	8.75	8	1	13.095
10	360 015 095	16.00	10.94	12	1	15.939
12	360 015 099	19.00	13.00	12	1	37.479

Valves



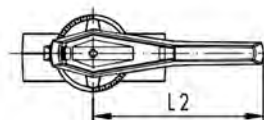
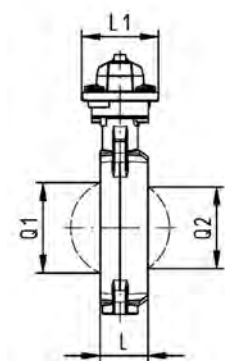
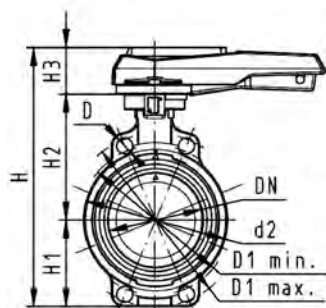
Type 546 Ball Valve PROGEF Standard with PE100 SDR 11 butt fusion spigots

- With mounting inserts

Size	Pressure	Part No.
(inch)	(psi)	
¾	150	153 546 143
1	150	153 546 144
1 ¼	150	153 546 145
1 ½	150	153 546 146
2	150	153 546 147
3	150	153 546 149
4	150	153 546 150

d	e	D	H	H1	H2	L	L1	L2	L4	L5	M	Weight
(inch)	(inch)	(inch)	(inch)	(inch)	(inch)	(inch)	(inch)	(inch)	(inch)	(inch)	(mm)	(lb)
1.050	0.095	2.283	2.638	1.181	0.472	5.630	3.819	2.559	0.984	1.535	6	0.666
1.315	0.119	2.677	2.874	1.417	0.472	5.906	3.819	2.795	0.984	1.535	6	0.950
1.660	0.165	3.307	3.543	1.732	0.591	6.732	5.039	3.346	1.772	2.126	8	1.676
1.879	0.173	3.819	3.819	2.008	0.591	7.520	5.039	3.504	1.772	2.126	8	2.229
2.375	0.216	4.567	4.567	2.520	0.591	8.661	5.984	3.976	1.772	2.598	8	4.092
3.500	0.318	6.340	6.340	4.130	0.591	16.570	10.620	5.550	2.750	2.519	8	20.944
4.500	0.403	7.000	7.000	4.840	0.866	19.050	12.600	6.460	4.720	2.519	12	33.069

A



Type 567 Butterfly Valve PROGEF Standard PP Lever Operated

Model:

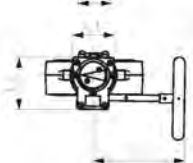
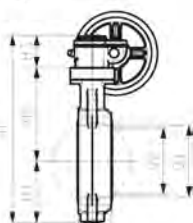
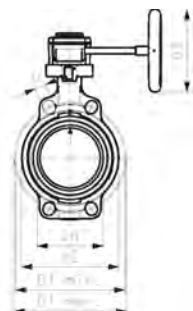
- Material: PP-H, DN350-DN600 material PP-R
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Up to DN 300: Overall length according to EN558 (DN 50-200: line 25, DN250, 300 line 16), ISO 5752
- We recommend for the dimensions DN250 and DN300 only 6 bar maximum system pressure for the hand lever version

Size (inch)	EPDM Part No.	FKM Part No.
2	167 567 002	167 567 022
2 ½	167 567 003	167 567 023
3	167 567 004	167 567 024
4	167 567 005	167 567 025
5	167 567 006	167 567 026
6	167 567 007	167 567 027
8	167 567 008	167 567 028
10	167 567 009	167 567 029
12	167 567 010	167 567 030

d	DN	D	D1 min.	D1 max.	d2	H	H1	H2	H3	L	L1	L2	Q1	Q2
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
63	50	19	120	125	104	264	77	134	54	45	106	205	40	
75	65	19	140	145	115	277	83	140	54	46	106	205	54	35
90	80	19	150	160	131	289	89	146	54	49	106	205	67	50
110	100	19	175	191	161	325	104	167	55	56	106	255	88	74
140	125	23	210	216	187	352	117	181	55	64	106	255	113	97
160	150	24	241	241	215	373	130	189	55	72	106	255	139	123
225	200	23	290	295	267	435	158	210	67	73	140	408	178	169
280	250	25	353	362	329	554	205	264	85	113	149	408	210	207
315	300	25	400	432	379	598	228	285	85	113	149	408	256	253

Cv-value (l/min)	PN (bar)	Weight (kg)
1470	10	1.627
2200	10	1.061
3000	10	1.404
6500	10	1.998
11500	10	2.429
16600	10	3.246
39600	10	5.609
55200	8	11.841
80000	8	13.245

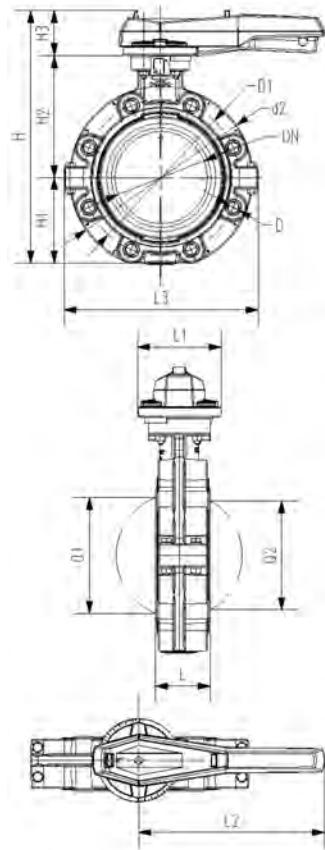
Type 567 Butterfly valve PROGEF Standard
Reduction gear with handwheel



Size (inch)	EPDM Part No.	FKM Part No.	weight (lb)
2	167 567 042	167 567 062	6.629
2 ½	167 567 043	167 567 063	6.832
3	167 567 044	167 567 064	7.119
4	167 567 045	167 567 065	8.247
5	167 567 046	167 567 066	9.354
6	167 567 047	167 567 067	11.107
8	167 567 048	167 567 068	14.416
10	167 567 049	167 567 069	28.823
12	167 567 050	167 567 070	35.419
14	*167 567 051	*167 567 071	88.185
16	*167 567 052	*167 567 072	110.231
18	*167 567 053	*167 567 073	154.324
20	*167 567 054	*167 567 074	198.416
24	*167 567 055	*167 567 075	275.578

D (inch)	D1 min. (inch)	D1 max. (inch)	d2 (inch)	D3 (inch)	H (inch)	H1 (inch)	H2 (inch)	H3 (inch)	L (inch)	L1 (inch)	L2 (inch)	L3 (inch)	Q1 (inch)	Q2 (inch)
1	5	5	4	6	11	3	5	2	2	3	4	7	2	
1	6	6	5	6	11	3	6	2	2	3	4	7	2	1
1	6	6	5	6	12	4	6	2	2	3	4	7	3	2
1	7	8	6	6	13	4	7	2	2	3	4	7	3	3
1	8	9	7	6	14	5	7	2	3	3	4	7	4	4
1	9	9	8	6	15	5	7	2	3	3	4	7	5	5
1	11	12	11	6	17	6	8	2	3	3	4	7	7	7
1	14	14	13	8	22	8	10	3	4	4	5	8	8	8
1	16	17	15	8	24	9	11	3	4	4	5	8	10	10
1	18	19	21	8		11	16	3	5	7	7	9	13	12
1	20	21	23	8		12	17	3	7	7	8	9	14	14
1	22	23	25	10		13	20	3	7	9	8	9	15	15
1	24	25	28	14		14	22	4	7	9	9	10	17	17
1	29	30	32	14		17	24	4	8	9	10	10	21	21

A



Butterfly Valve Type 578 Lug Style PP-H with Hand Lever and ratchet settings

Model:

- Housing material: PP-GF30 with 316SS lug inserts
- Overall length according to EN 558, ISO 5752 (DN50 - 200 line 25, DN250 - 300 line 10)
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Optional accessory: Integrated position feedback with limit switches (sold separately)

Size (inch)	PN (psi)	EPDM Part No.	SP	weight (lb)	FKM Part No.	SP	weight (lb)
2	145	167 578 102	1	3.968	167 578 122	1	3.968
2 ½	145	167 578 103	1	4.178	167 578 123	1	4.178
3	145	167 578 104	1	4.963	167 578 124	1	4.963
4	145	167 578 105	1	6.936	167 578 125	1	6.936
5	145	167 578 106	1	10.274	167 578 126	1	10.274
6	145	167 578 107	1	14.176	167 578 127	1	14.176
8	145	167 578 108	1	19.015	167 578 128	1	19.015
10	116	167 578 109	1	43.052	167 578 129	1	43.052
12	116	167 578 110	1	57.554	167 578 130	1	57.554

Size (inch)	d2 (inch)	D (inch)	D1 (inch)	H (inch)	H1 (inch)	H2 (inch)	H3 (inch)	L (inch)	L1 (inch)	L2 (inch)	L3 (inch)	Q1 (inch)	Q2 (inch)
2	6	UNC 5/8	4.7	10	3	5	2	2	4	8	6	2	
2 ½	7	UNC 5/8	5.5	11	3	6	2	2	4	8	7	2	1
3	8	UNC 5/8	6.0	11	4	6	2	2	4	8	8	3	2
4	9	UNC 5/8	7.5	13	4	7	2	2	4	10	9	3	3
5	10	UNC 3/4	8.5	14	5	7	2	3	4	10	11	4	4
6	11	UNC 3/4	9.5	15	5	7	2	3	4	10	12	5	5
8	13	UNC 3/4	11.7	17	6	8	3	3	6	16	14	7	7
10	16	UNC 7/8	14.3	21	8	10	3	4	6	16	17	8	8
12	19	UNC 7/8	17.0	23	9	11	3	4	6	16	20	10	10

Butterfly Valve Type 578 Lug Style PP-H with Gear Operator and Hand Wheel

Model:

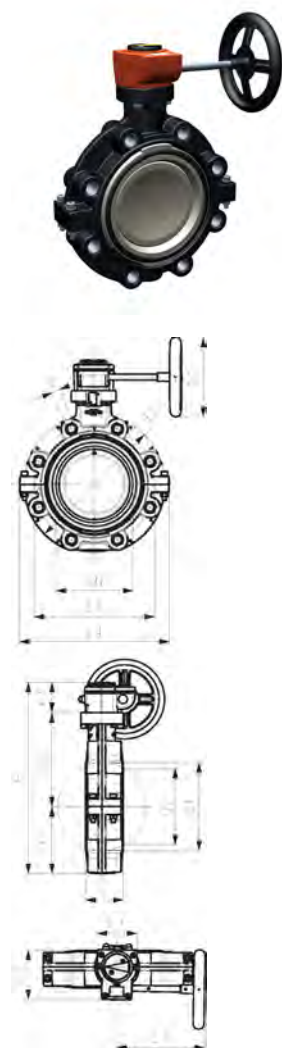
- Housing material: PP-GF30 with 316SS lug inserts
- Overall length according to EN 558, ISO 5752 (DN50 - 200 line 25, DN250 - 300 line 10)
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Optional accessory: Integrated position feedback with limit switches (sold separately)

Size (inch)	PN (psi)	EPDM Part No.	SP weight (lb)	FKM Part No.	SP weight (lb)
2	145	167 578 142	1 7.599	167 578 162	1 7.599
2 ½	145	167 578 143	1 7.904	167 578 163	1 7.904
3	145	167 578 144	1 8.662	167 578 164	1 8.662
4	145	167 578 145	1 10.657	167 578 165	1 10.657
5	145	167 578 146	1 13.995	167 578 166	1 13.995
6	145	167 578 147	1 17.877	167 578 167	1 17.877
8	145	167 578 148	1 20.620	167 578 168	1 20.620
10	116	167 578 149	1 46.760	167 578 169	1 46.760
12	116	167 578 150	1 61.169	167 578 170	1 61.169

Size (inch)	d2 (inch)	D (inch)	D1 (inch)	D3 (inch)	H (inch)	H1 (inch)	H2 (inch)	H3 (inch)	L (inch)	L1 (inch)	L2 (inch)	L3 (inch)	L4 (inch)	Q1 (inch)	Q2 (inch)
2	6	UNC 5/8	4.7	6	11	3	5	2	2	3	4	7	6	2	
2 ½	3	UNC 5/8	5.5	6	11	3	6	2	2	3	4	7	7	2	1
3	8	UNC 5/8	6.0	6	12	4	6	2	2	3	4	7	8	3	2
4	9	UNC 5/8	7.5	6	13	4	7	2	2	3	4	7	9	3	3
5	10	UNC 3/4	8.5	6	14	5	7	2	3	3	4	7	11	4	4
6	11	UNC 3/4	9.5	6	15	5	7	2	3	3	4	7	12	5	5
8	13	UNC 3/4	11.7	6	17	6	8	2	3	3	4	7	14	7	7
10	16	UNC 7/8	14.3	8	22	8	10	3	4	4	5	8	17	8	8
12	19	UNC 7/8	17.0	8	24	9	11	3	4	4	5	8	20	10	10



Machines

Rental Machines



Electrofusion Machine

Part No.	Description
R360029067B	MSA340 115V Fusion Machine
R360029070B	MSA340 230V Fusion Machine

Peeling Tool

Part No.	Description
R150000055B	RTC315 Peeler 8" - 12"
R150000021B	RTC710 Peeler 12" - 26"

EF Coupling Installation Clamps

Part No.	Description
R150200989B	Coupling Insallation Clamp kit 8" 10" 12"
R150200990B	Coupling Insallation Clamp kit 14" 16" 18"
R150200991B	Coupling Insallation Clamp kit 20" 24"

Re-Rounding Tool

Part No.	Description
R360002531B	Re-Rounding Tool 12" - 20"
R360002532B	Re-Rounding Tool 20" - 28"





Contact Butt Fusion Machine

Part No.	Description
R360003278B	14 M 1" - 4"
R360003310B	28 EP 2" - 8"



CNC Contact Butt Fusion Machine

- Prices are daily, prorated by calendar day, billed by the end of the month
- The GF315 is equipped with an automatic heater

- Prices are monthly, prorated by calendar day
- The GF315 is equipped with an automatic heater

Part No.	Description	d-d (mm)
R790114061B	TM160	40 - 160
R790127069B	TM 400	125 - 400
R790117069B	TM 630	315 - 630

D



Machines



FUSION EQUIPMENT: System Assembly 14M

- Please call for pricing and availability.

Description	GF Part No.	weight (lb)
120V	360 003 278	100.002
240V	360 003 279	102.008



FUSION EQUIPMENT: System Assembly 28EP

- Please call for pricing and availability.

Description	GF Part No.	weight (lb)
System Assembly, 120V	360 010 398	0.002
28Ep Unit 240v	360 003 311	590.001

ELECTROFUSION TOOLS: Ritmo Scraper

- Please call for pricing and availability.

Size	Description	GF Part No.	weight (lb)
355MM-710MM ISO, 14"-28" IPS, 14"-24" DIPS	Pipe Scraper RTC 710 shipped in two different boxes	360 002 037	86.002
75MM-315MM ISO, 3"-12" IPS/DIPS	Pipe Scraper RTC 315-A	360 002 036	19.004
50MM-160MM ISO, 2"-6" IPS/DIPS	Pipe Scraper RTC 160	360 002 035	8.510



ELECTROFUSION TOOLS: Rotary Peeler GF Piping Systems

- Please call for pricing and availability.

Size	GF Part No.	weight (lb)
1 1/4" IPS	360 029 223	2.890
1 1/2" IPS	360 029 224	2.890
2" IPS	360 029 225	2.890
3" IPS	360 029 226	3.400
4" IPS	360 029 227	3.400
6" IPS	360 029 228	3.810
8" IPS	360 029 229	4.480
10" IPS	360 029 230	5.379
12" IPS	360 029 231	5.379

ELECTROFUSION EQUIPMENT: Re-Rounding Tool

Please call for more information about our Re-Rounding Tool rental program.

- Please call for pricing and availability.

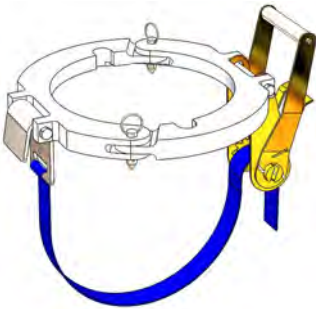


Size (inch)	Description	GF Part No.	weight (lb)
12 to 20	IPS/DIPS TO IPS/DIPS	360 002 531	0.000
20 to 28	IPS/DIPS TO IPS/DIPS	360 002 532	112.001

ELECTROFUSION EQUIPMENT: Multi Clamp

- Please call for pricing and availability.

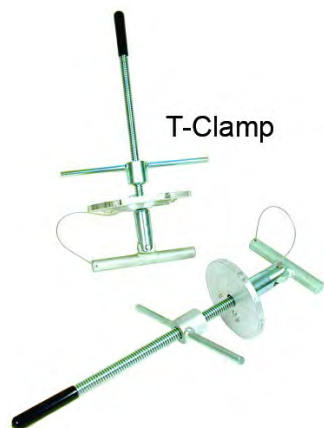
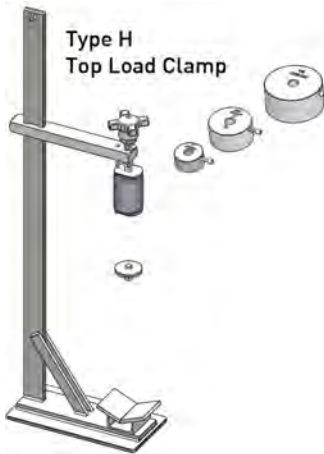
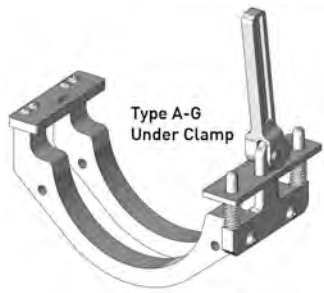
Size	Description	GF Part No.	weight (lb)
2" - 4" IPS	Tee Swivel Kit		9.650
	Tee Swivel Kit		1.430
6" - 14" IPS	Mega Clamp Kit	360 002 949	28.556
2" - 4" IPS	Multi Clamp Kit	360 029 222	23.435
110MM ISO (457MM LG)	Metric Multi Clamp Kit	360 060 124	0.000
110MM ISO (610MM LG)	Metric Multi Clamp Kit	360 060 125	0.000
110MM ISO (489MM LG)	Metric Multi Clamp Kit	360 060 126	0.000
110MM ISO (610MM x 489MM)	Metric Multi Clamp Kit	360 060 127	0.000
	Swivel Base		0.850
13 1/4"	Bar Base	360 028 311	2.557
24"	Bar Base	360 028 313	4.630
	End Cap		0.470
18"	Bar Base	360 028 312	3.483
48"	Bar Base	360 028 314	9.259
19 1/4"	Bar Base		3.720
8" IPS	FSEQ Kit, Strap Type, 4' Base		24.000
6" IPS	FSEQ Assembly, Single with Dove Tail	360 029 215	5.490
4" DIPS	FSEQ Assembly, Single with Dove Tail		3.310
6" DIPS	FSEQ Assembly, Single with Dove Tail		6.148



ELECTROFUSION EQUIPMENT: Branch Saddle Clamp

- Please call for pricing and availability.

Size (inch)	Description	GF Part No.	weight (lb)
12" and Larger	Type P Clamp, Main Sizes with 6" or 8" Outlets	360 006 382	11.508



ELECTROFUSION EQUIPMENT: Side Wall Clamp

- Please call for pricing and availability.

Size	Description	Clamp Type
1-1/4" IPS	Saddle (Under) Clamp	A
1-1/2" IPS	Saddle (Under) Clamp	AA
2" CTS	Saddle (Under) Clamp	AB
2" IPS	Saddle (Under) Clamp	B
3" IPS	Saddle (Under) Clamp	C
4" IPS	Saddle (Under) Clamp	D
4" DIPS	Saddle (Under) Clamp	L
6" IPS	Saddle (Under) Clamp	E
6" DIPS	Saddle (Under) Clamp	M
4" x 4"	Saddle (Under) Clamp	F
6" x 4"	Saddle (Under) Clamp	G
8" IPS x 12" DIPS, 200MM x 400MM	Top Load Clamp	H
4" PSM and 4" IPS	T-Clamp	J
6" IPS, 6" PSM, 8" IPS	T-Clamp	K
1" x 12'	Ratchet Tie-Down Nylon Straps	N
8" IPS and Larger	Top Load Clamp, EF Tooling Strap Style, with Fitting Adapters	

Part No.	GF weight (lb)
360 002 058	1.190
360 002 057	1.918
360 002 059	2.579
360 002 060	2.006
360 002 061	0.992
360 002 063	2.866
360 002 062	3.682
360 002 066	2.998
360 002 065	4.255
360 002 064	4.894
360 002 067	13.162
360 003 062	22.002
360 003 699	7.672
360 002 948	10.119
360 009 217	1.951
	5.960

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