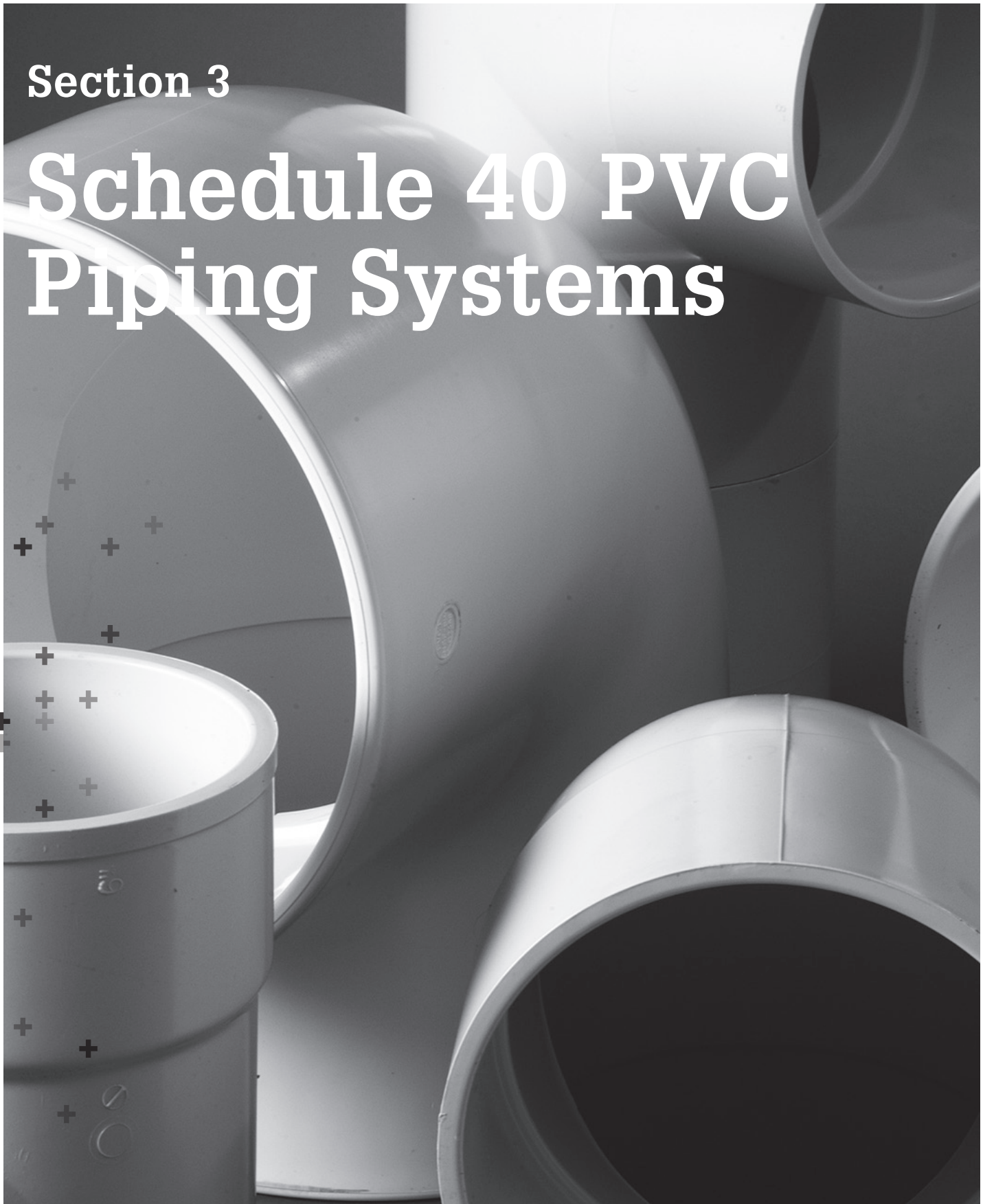


Section 3

Schedule 40 PVC Piping Systems



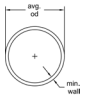
Glossary

FPT	=	Female Pipe Thread
MPT	=	Male Pipe Thread
S	=	Tapered Socket
SPG	=	Spigot End (same dimension as pipe outside diameter)
*	=	Non-Returnable / Non-cancellable
^	=	40% Restocking Fee
BUSH	=	Assembled Fitting from Molded Components
FAB	=	Fabricated Fitting

The technical information given in this publication implies no warranty of any kind and is subject to change without notice. Please consult our Terms and Conditions of Sale.

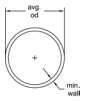
For complete technical information, please consult the Vinyl Catalog and Technical Information

For more information about any of our product lines, please visit www.gfps.com

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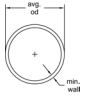
Harvel® Industrial Schedule 40 PVC Pressure Pipe - White

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Harvel® Industrial PLUS Schedule 40 PVC Pressure Pipe - White

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Harvel® Schedule 40 PVC Pressure Pipe - Gray

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Schedule 40 PVC Pressure Fittings

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Specifications and Standards

Specifications and Standards

NSF/ANSI Standard 14

NSF/ANSI Standard 61

ASTM D 1784 : Material PVC Type I, Grade I White or Gray (cell classification 12454)

ASTM D 1785 : PVC Schedule 40 Pipe

ASTM D 2665 : PVC Schedule 40 Drain, Waste, and Vent (DWV)

ASTM D 2466 : PVC Schedule 40 Socket and Threaded Fittings

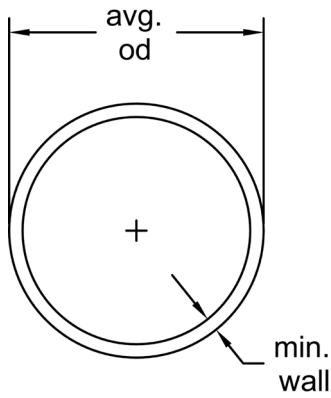
ASTM F 1498 : PVC Schedule 40 Taper Threads

ASTM D 2672 : PVC Schedule 40 Tapered Sockets for Bell End Pipe

ANSI B1.20.1 : PVC Schedule 40 NPT Threads

P0800892

Harvel® Industrial Schedule 40 PVC Pressure Pipe - White

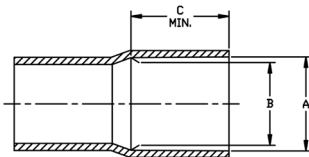


Plain End Pipe - 20 ft lengths

- Refer to Industrial PLUS for sizes 3-1/2", 5", 14"-24"
- Max Water Pressure at 73°F (22.7°C) with solvent-cemented joints
- Meets NSF[®]-pw-G
- Non - CSA Approved

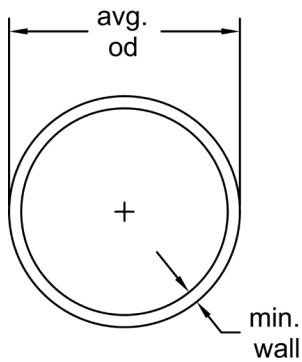
Size (inch)	P/L	Plain End Part No.	Lift Qty (ft)	Average O.D. (inch)	Min. Wall (inch)	Wt/Ft (lbs/ft)	Max Water Pressure (psi)
½	H17	H0400050PW2000	5700	0.840	0.109	0.161	600
¾	H17	H0400075PW2000	5260	1.050	0.113	0.214	480
1	H17	H0400100PW2000	4280	1.315	0.133	0.315	450
1 ¼	H17	H0400125PW2000	2360	1.660	0.140	0.426	370
1 ½	H17	H0400150PW2000	2060	1.900	0.145	0.509	330
2	H17	H0400200PW2000	1660	2.375	0.154	0.682	280
2 ½	H17	H0400250PW2000	1080	2.875	0.203	1.076	300
3	H17	H0400300PW2000	840	3.500	0.216	1.409	260
4	H17	H0400400PW2000	520	4.500	0.237	2.006	220
6	H17	H0400600PW2000	340	6.625	0.280	3.535	180
8	H17	H0400800PW2000	220	8.625	0.322	5.305	160
10	H17	H0401000PW2000	80	10.750	10.750	7.532	140
12	H17	H0401200PW2000	60	12.750	12.750	9.949	130

Belled End Pipe - 20 ft length Less Bell



Size (inch)	P/L	Belled End Part No.	A-Socket Entrance (Belled Pipe)	B-Socket Bottom (Belled Pipe)	C-Min. (Belled Pipe)
½	H17	H0400050PW200B	0.848±0.004	0.836±0.004	1.000
¾	H17	H0400075PW200B	1.058±0.004	1.046±0.004	1.250
1	H17	H0400100PW200B	1.325±0.005	1.310±0.005	1.500
1 ¼	H17	H0400125PW200B	1.670±0.005	1.655±0.005	1.750
1 ½	H17	H0400150PW200B	1.912±0.006	1.894±0.006	2.000
2	H17	H0400200PW200B	2.387±0.006	2.363±0.006	2.250
2 ½	H17	H0400250PW200B	2.889±0.007	2.861±0.007	2.500
3	H17	H0400300PW200B	3.516±0.008	3.484±0.008	3.250
4	H17	H0400400PW200B	4.518±0.009	4.482±0.009	4.000
6	H17	H0400600PW200B	6.647±0.011	6.603±0.011	6.000
8	H17	H0400800PW200B	8.655±0.015	8.598±0.015	6.000
10	H17	H0401000PW200B	10.776±0.015	10.722±0.015	7.500
12	H17	H0401200PW200B	12.778±0.015	12.721±0.015	8.500

Harvel® Industrial PLUS Schedule 40 PVC Pressure Pipe - White

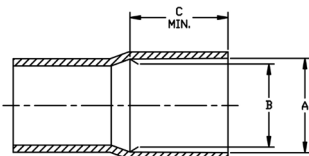


Plain End Pipe - 20 ft lengths

- Max Water Pressure at 73°F (22.7°C) with solvent-cemented joints
- Meets NSF[®]-pw-G
- Meets CAN/CSA B137.3 Requirements

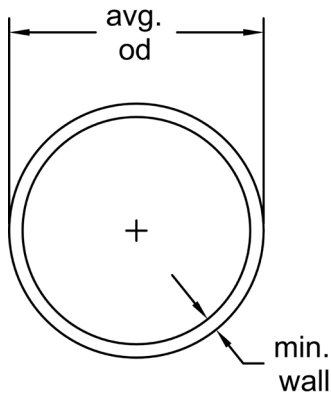
Size (inch)	P/L	Plain End Part No.	Lift Qty (ft)	Average O.D. (inch)	Min. Wall (inch)	Wt/Ft (lbs/ft)	Max Water Pressure (psi)
½	H51	HX400050PW2000	5700	0.840	0.109	0.161	600
¾	H51	HX400075PW2000	5260	1.050	0.113	0.214	480
1	H51	HX400100PW2000	4280	1.315	0.133	0.315	450
1 ¼	H51	HX400125PW2000	2360	1.660	0.140	0.426	370
1 ½	H51	HX400150PW2000	2060	1.900	0.145	0.509	330
2	H51	HX400200PW2000	1660	2.375	0.154	0.682	280
2 ½	H51	HX400250PW2000	1080	2.875	0.203	1.076	300
3	H51	HX400300PW2000	840	3.500	0.216	1.409	260
3 ½	H51	H0400350PW2000	680	4.000	0.226	1.697	240
4	H51	HX400400PW2000	520	4.500	0.237	2.006	220
5	H51	H0400500PW2000	400	5.563	0.258	2.726	190
6	H51	HX400600PW2000	340	6.625	0.280	3.535	180
8	H51	HX400800PW2000	220	8.625	0.322	5.305	160
10	H51	HX401000PW2000	80	10.750	0.365	7.532	140
12	H51	HX401200PW2000	60	12.750	0.406	9.949	130
14	H51	H0401400PW2000	60	14.000	0.437	11.810	130
16	H51	H0401600PW2000	60	16.000	0.500	15.416	130
18	H51	H0401800PW2000	60	18.000	0.562	20.112	130
20	H51	H0402000PW2000	40	20.000	0.593	23.624	120
24	H51	H0402400PW2000	40	24.000	0.687	32.873	120

Belled End Pipe - 20 ft length Less Bell



Size (inch)	P/L	Belled End Part No.	A-Socket Entrance (Belled Pipe)	B-Socket Bottom (Belled Pipe)	C-Min. (Belled Pipe)
½	H51	HX400050PW200B	0.848±0.004	0.836±0.004	1.000
¾	H51	HX400075PW200B	1.058±0.004	1.046±0.004	1.250
1	H51	HX400100PW200B	1.325±0.005	1.310±0.005	1.500
1 ¼	H51	HX400125PW200B	1.670±0.005	1.655±0.005	1.750
1 ½	H51	HX400150PW200B	1.912±0.006	1.894±0.006	2.000
2	H51	HX400200PW200B	2.387±0.006	2.363±0.006	2.250
2 ½	H51	HX400250PW200B	2.889±0.007	2.861±0.007	2.500
3	H51	HX400300PW200B	3.516±0.008	3.484±0.008	3.250
3 ½	H51	H0400350PW200B	4.016±0.008	3.984±0.008	3.500
4	H51	HX400400PW200B	4.518±0.009	4.482±0.009	4.000
5	H51	H0400500PW200B	5.583±0.010	5.543±0.010	4.000
6	H51	HX400600PW200B	6.647±0.011	6.603±0.011	6.000
8	H51	HX400800PW200B	8.655±0.015	8.598±0.015	6.000
10	H51	HX401000PW200B	10.776±0.015	10.722±0.015	7.500
12	H51	HX401200PW200B	12.778±0.015	12.721±0.015	8.500
14	H51	H0401400PW200B	14.035±0.015	13.985±0.015	9.000
16	H51	H0401600PW200B	16.045±0.015	15.980±0.015	10.000
18	H51	H0401800PW200B	18.055±0.020	17.980±0.020	12.000
20	H51	H0402000PW200B	20.065±0.025	19.980±0.025	12.000
24	H51	H0402400PW200B	24.075±0.030	23.970±0.030	12.000

Harvel® Schedule 40 PVC Pressure Pipe - Gray

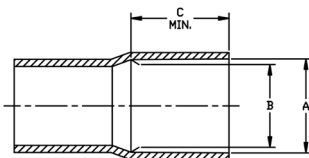


Plain End Pipe - 20 ft lengths

- Max Water Pressure at 73°F (22.7°C) with solvent-cemented joints
- Meets NSF®-pw-G
- Non - CSA Approved

Size (inch)	P/L	Plain End Part No.	Lift Qty (ft)	Average O.D. (inch)	min. wall (inch)	Wt/Ft (lbs/ft)	Max Water Pressure (psi)
1/8	H16	H0400013PG2000	5700	0.405	0.068	0.045	810
1/4	H16	H0400025PG2000	5700	0.540	0.088	0.081	780
3/8	H16	H0400038PG2000	5700	0.675	0.091	0.109	620
1/2	H16	H0400050PG2000	5700	0.840	0.109	0.161	600
3/4	H16	H0400075PG2000	5260	1.050	0.113	0.214	480
1	H16	H0400100PG2000	4280	1.315	0.133	0.315	450
1 1/4	H16	H0400125PG2000	2360	1.660	0.140	0.426	370
1 1/2	H16	H0400150PG2000	2060	1.900	0.145	0.509	330
2	H16	H0400200PG2000	1660	2.375	0.154	0.682	280
2 1/2	H16	H0400250PG2000	1080	2.875	0.203	1.076	300
3	H16	H0400300PG2000	840	3.500	0.216	1.409	260
3 1/2	H16	H0400350PG2000	680	4.000	0.226	1.697	240
4	H16	H0400400PG2000	520	4.500	0.237	2.006	220
5	H16	H0400500PG2000	400	5.563	0.258	2.726	190
6	H16	H0400600PG2000	340	6.625	0.280	3.535	180
8	H16	H0400800PG2000	220	8.625	0.332	5.305	160
10	H16	H0401000PG2000	80	10.750	0.365	7.532	140
12	H16	H0401200PG2000	60	12.750	0.406	9.949	130
14	H16	H0401400PG2000	60	14.000	0.437	11.810	130
16	H16	H0401600PG2000	60	16.000	0.500	15.416	130
18	H16	H0401800PG2000	40	18.000	0.562	20.112	130
20	H16	H0402000PG2000	40	20.000	0.593	23.624	120
24	H16	H0402400PG2000	40	24.000	0.687	32.873	120

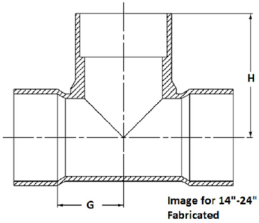
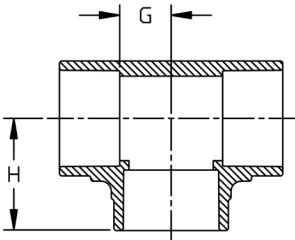
Belled End Pipe - 20 ft length Less Bell



Size (inch)	P/L	Belled End Part No.	A-Socket Entrance (Belled Pipe)	B-Socket Bottom (Belled Pipe)	C-Min. (Belled Pipe)
1/2	H16	H0400050PG200B	0.848±0.004	0.836±0.004	1.000
3/4	H16	H0400075PG200B	1.058±0.004	1.046±0.004	1.250
1	H16	H0400100PG200B	1.325±0.005	1.310±0.005	1.500
1 1/4	H16	H0400125PG200B	1.670±0.005	1.655±0.005	1.750
1 1/2	H16	H0400150PG200B	1.912±0.005	1.894±0.006	2.000
2	H16	H0400200PG200B	2.387±0.006	2.363±0.006	2.250
2 1/2	H16	H0400250PG200B	2.889±0.007	2.861±0.007	2.500
3	H16	H0400300PG200B	3.516±0.008	3.484±0.008	3.250
3 1/2	H16	H0400350PG200B	4.016±0.008	3.984±0.008	3.500
4	H16	H0400400PG200B	4.518±0.009	4.482±0.009	4.000
5	H16	H0400500PG200B	5.583±0.010	5.543±0.010	4.000
6	H16	H0400600PG200B	6.647±0.011	6.603±0.011	6.000
8	H16	H0400800PG200B	8.655±0.015	8.598±0.015	6.000
10	H16	H0401000PG200B	10.776±0.015	10.722±0.015	7.500
12	H16	H0401200PG200B	12.778±0.015	12.721±0.015	8.500
14	H16	H0401400PG200B	14.035±0.015	13.985±0.015	9.000
16	H16	H0401600PG200B	16.045±0.015	15.980±0.015	10.000
18	H16	H0401800PG200B	18.055±0.020	17.980±0.020	12.000
20	H16	H0402000PG200B	20.065±0.025	19.980±0.025	12.000
24	H16	H0402400PG200B	24.075±0.030	23.970±0.030	12.000

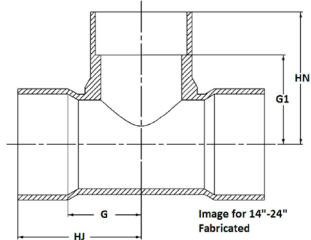
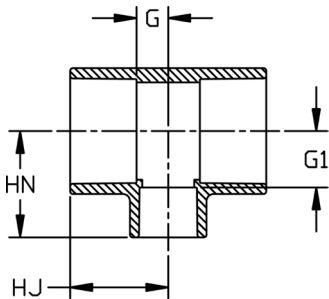
Schedule 40 PVC Pressure Fittings

Tee (S x S x S)



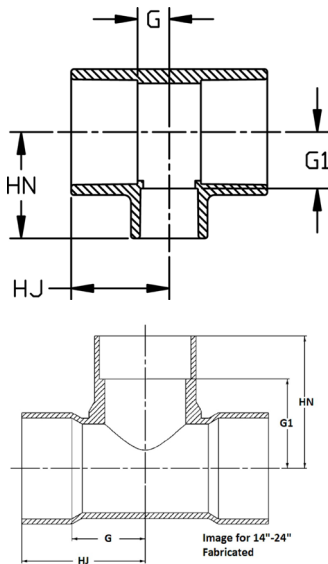
Size (inch)	P/L	Part No.	Pack Qty	H (inch)	G (inch)	Design
½	601	401-005	50	1.25	0.38	
¾	601	401-007	50	1.38	0.56	
1	601	401-010	50	1.69	0.69	
1 ¼	601	401-012	25	2.13	0.88	
1 ½	601	401-015	25	2.31	1.00	
2	601	401-020	25	2.63	1.25	
2 ½	601	401-025	10	3.50	1.50	
3	601	401-030	10	3.81	1.81	
4	601	401-040	5	4.31	2.31	
6	601	401-060	4	7.06	3.50	
8	601	401-080	2	9.00	4.50	
10	B09	401-100	1	10.94	5.88	
12	B09	401-120	1	13.06	7.00	
14	A32	401-140N	1	19.38	10.06	FAB
16	A32	401-160N	1	21.63	11.75	FAB
18	A32	401-180N	1	24.50	12.88	FAB
20	A32	401-200N	1	26.25	14.31	FAB
24	A32	401-240N	1	33.13	16.75	FAB

Reducing Tee (S x S x S)

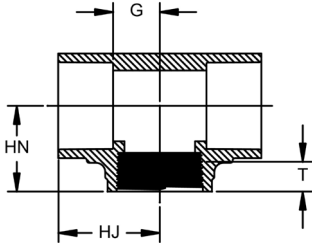


Size (inch)	P/L	Part No.	Pack Qty	HJ (inch)	HN (inch)	G (inch)	G1 (inch)	Design
¾ x ½ x ½	601	401-094	50	1.31	1.31	0.50	0.56	
¾ x ½ x ¾	601	401-095	50	1.31	1.31	0.56	0.56	
¾ x ¾ x ½	601	401-101	50	1.31	1.38	0.50	0.63	
¾ x ¾ x 1	601	401-102	50	1.50	1.56	0.69	0.56	
1 x ½ x 1	601	401-122	50	1.69	1.69	0.69	0.75	
1 x ¾ x ¾	601	401-125	50	1.56	1.44	0.53	0.69	
1 x ¾ x 1	601	401-126	50	1.69	1.69	0.75	0.69	
1 x 1 x ½	601	401-130	50	1.50	1.50	0.50	0.69	
1 x 1 x ¾	601	401-131	50	1.56	1.50	0.56	0.69	
1 x 1 x 1 ¼	601	401-132	50	1.88	1.94	0.88	0.69	
1 x 1 x 1 ½	601	401-133	25	2.00	2.00	1.00	0.69	
1 ¼ x 1 x ¾	601	401-157	25	2.06	1.63	0.88	0.88	
1 ¼ x 1 x 1	601	401-158	25	2.06	2.00	0.88	0.88	
1 ¼ x 1 ¼ x ½	601	401-166	25	1.75	1.63	1.25	0.88	
1 ¼ x 1 ¼ x ¾	601	401-167	25	1.88	1.69	0.56	0.88	
1 ¼ x 1 ¼ x 1	601	401-168	25	1.94	1.88	0.69	0.88	
1 ½ x 1 ½ x ½	601	401-209	25	1.81	1.81	0.50	1.00	
1 ½ x 1 ½ x ¾	601	401-210	25	1.94	1.81	0.63	1.00	
1 ½ x 1 ½ x 1	601	401-211	25	2.00	2.00	0.69	1.00	
1 ½ x 1 ½ x 1 ¼	601	401-212	25	2.19	2.25	0.88	1.06	
2 x 1 ½ x ¾	601	401-238	10	2.00	2.06	0.56	1.25	
2 x 1 ½ x 1	601	401-239	10	2.63	2.25	1.25	1.19	
2 x 2 x ½	601	401-247	10	1.88	2.00	0.50	1.25	
2 x 2 x ¾	601	401-248	10	2.00	2.00	0.56	1.25	
2 x 2 x 1	601	401-249	10	2.06	2.25	0.69	1.25	
2 x 2 x 1 ¼	601	401-250	10	2.25	2.50	0.88	1.25	
2 x 2 x 1 ½	601	401-251	10	2.38	2.56	1.00	1.25	
2 ½ x 2 ½ x ¾	601	401-288	10	2.44	2.31	0.56	1.50	

table continued on the next page



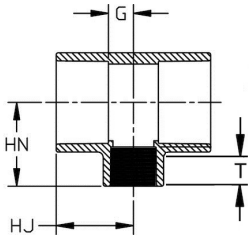
Size (inch)	P/L	Part No.	Pack Qty	HJ (inch)	HN (inch)	G (inch)	G1 (inch)	Design
2 1/2 x 2 1/2 x 1	601	401-289	10	2.56	2.63	0.69	1.50	
2 1/2 x 2 1/2 x 1 1/4	601	401-290	10	2.88	2.75	0.88	1.50	
2 1/2 x 2 1/2 x 1 1/2	601	401-291	10	3.13	2.75	1.00	1.50	
2 1/2 x 2 1/2 x 2	601	401-292	10	3.13	2.88	1.25	1.50	
3 x 3 x 3/4	601	401-334	10	2.56	2.56	0.56	1.81	
3 x 3 x 1	601	401-335	10	2.69	2.88	0.69	1.81	
3 x 3 x 1 1/4	601	401-336	10	2.88	3.06	0.88	1.81	
3 x 3 x 1 1/2	601	401-337	10	3.00	3.19	1.00	1.81	
3 x 3 x 2	601	401-338	10	3.25	3.19	1.25	1.81	
4 x 4 x 3/4	601	401-416	4	2.56	3.00	0.56	2.31	
4 x 4 x 1	601	401-417	4	2.75	3.31	0.69	2.31	
4 x 4 x 1 1/4	601	401-418	5	2.88	3.56	0.88	2.31	
4 x 4 x 2	601	401-420	5	3.25	3.69	1.25	2.31	
4 x 4 x 1 1/2	601	401-419	5	3.00	3.63	1.00	2.31	
4 x 4 x 3	601	401-422	5	3.81	4.38	1.81	2.31	
6 x 6 x 2	601	401-528	5	4.75	4.94	1.25	3.50	
6 x 6 x 3	601	401-530	5	5.38	5.56	1.81	3.56	
6 x 6 x 4	601	401-532	5	5.88	5.56	2.38	3.50	
8 x 8 x 4	601	401-582	2	6.81	6.94	2.31	4.88	
8 x 8 x 6	601	401-585	2	8.00	8.06	3.50	4.50	
10 x 10 x 4	B09	401-624	1	10.50	7.94	5.44	5.94	
10 x 10 x 6	B09	401-626	1	10.50	8.94	5.44	5.94	
10 x 10 x 8	B09	401-628	1	10.50	9.88	5.44	5.88	
12 x 12 x 4	B09	401-664	1	11.50	9.00	5.44	6.94	
12 x 12 x 6	B09	401-666	1	11.50	10.00	5.44	6.94	
12 x 12 x 8	B09	401-668	1	11.50	11.00	5.44	7.00	
12 x 12 x 10	B09	401-670	1	13.06	13.50	7.00	8.44	
14 x 14 x 4	A32	401-696N	1	12.18	12.00	5.18	10.00	FAB
14 x 14 x 6	A32	401-698N	1	13.12	13.63	6.12	10.63	FAB
14 x 14 x 8	A32	401-700N	1	14.25	15.25	7.25	11.75	FAB
14 x 14 x 10	A32	401-702N	1	15.31	16.75	8.31	11.75	FAB
14 x 14 x 12	A32	401-704N	1	16.00	18.00	9.00	12.00	FAB
16 x 16 x 4	A32	401-730N	1	14.00	13.38	6.00	11.38	FAB
16 x 16 x 6	A32	401-732N	1	15.00	14.50	7.00	11.50	FAB
16 x 16 x 8	A32	401-734N	1	16.00	16.25	8.00	12.25	FAB
16 x 16 x 10	A32	401-736N	1	16.50	17.75	8.50	12.75	FAB
16 x 16 x 12	A32	401-738N	1	19.25	19.50	9.63	13.50	FAB
16 x 16 x 14	A32	401-740N	1	19.18	20.50	11.18	13.50	FAB
18 x 18 x 6	A32	401-786N	1	15.63	15.75	6.63	12.75	FAB
18 x 18 x 8	A32	401-788N	1	16.63	17.00	7.63	13.00	FAB
18 x 18 x 10	A32	401-790N	1	17.75	18.38	8.75	13.38	FAB
18 x 18 x 12	A32	401-792N	1	18.75	20.50	9.75	14.50	FAB
18 x 18 x 14	A32	401-794N	1	19.56	21.38	10.56	14.38	FAB
18 x 18 x 16	A32	401-796N	1	20.63	22.50	11.63	14.50	FAB
20 x 20 x 8	A32	401-818N	1	18.94	18.13	8.94	14.13	FAB
20 x 20 x 10	A32	401-820N	1	19.69	19.75	9.69	14.75	FAB
20 x 20 x 12	A32	401-822N	1	21.00	21.13	11.00	15.13	FAB
20 x 20 x 14	A32	401-824N	1	21.63	22.75	11.63	15.75	FAB
20 x 20 x 16	A32	401-826N	1	23.00	24.50	13.00	16.50	FAB
20 x 20 x 18	A32	401-828N	1	23.81	24.50	13.81	15.50	FAB
24 x 24 x 6	A32	401-906N	1	27.75	18.50	7.88	15.50	FAB
24 x 24 x 8	A32	401-908N	1	20.69	20.50	8.69	16.50	FAB
24 x 24 x 10	A32	401-910N	1	21.88	21.63	9.88	16.63	FAB
24 x 24 x 12	A32	401-912N	1	23.00	23.00	11.00	17.00	FAB
24 x 24 x 14	A32	401-914N	1	23.88	25.00	11.88	18.00	FAB
24 x 24 x 16	A32	401-916N	1	24.94	26.31	12.94	18.31	FAB
24 x 24 x 18	A32	401-918N	1	25.88	27.75	13.88	18.75	FAB
24 x 24 x 20	A32	401-920N	1	26.94	30.00	14.94	20.00	FAB



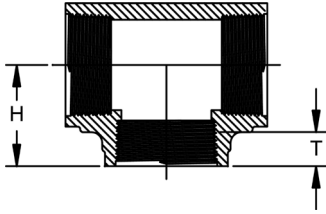
Tee (S x S X FPT)

Size (inch)	P/L	Part No.	Pack Qty	HJ (inch)	HN (inch)	G (inch)	T (inch)
½	601	402-005	50	1.25	1.25	0.50	0.75
¾	601	402-007	50	1.38	1.38	0.56	0.81
1	601	402-010	50	1.69	1.69	0.69	1.00
1 ¼	601	402-012	25	2.13	2.13	0.88	0.94
1 ½	601	402-015	25	2.31	2.31	1.00	0.88
2	601	402-020	10	2.63	2.19	1.25	0.94
3	601	402-030	10	3.81	3.19	1.81	1.44
4	601	402-040	5	4.31	4.00	2.31	1.69

Reducing Tee (S x S x FPT)

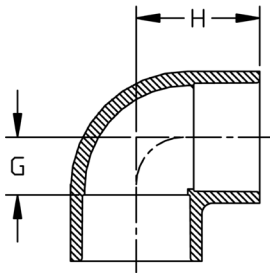


Size (inch)	P/L	Part No.	Pack Qty	HJ (inch)	HN (inch)	G (inch)	T (inch)
¾ x ¾ x ½	601	402-101	50	1.31	1.31	0.50	0.75
1 x 1 x ½	601	402-130	50	1.50	1.43	0.50	0.69
1 x 1 x ¾	601	402-131	50	1.56	1.50	0.56	0.75
1 ¼ x 1 ¼ x ¾	601	402-167	25	1.81	1.63	0.56	0.69
1 ¼ x 1 ¼ x 1	601	402-168	25	1.94	1.88	0.69	0.88
1 ½ x 1 ½ x ½	601	402-209	25	1.81	1.75	0.50	0.75
1 ½ x 1 ½ x ¾	601	402-210	25	1.88	1.81	0.56	0.69
1 ½ x 1 ½ x 1	601	402-211	25	2.00	2.00	0.69	1.00
1 ½ x 1 ½ x 1 ¼	601	402-212	25	2.19	2.25	0.88	1.25
2 x 2 x ½	601	402-247	10	1.88	2.00	0.50	0.75
2 x 2 x ¾	601	402-248	10	2.00	2.06	0.56	0.81
2 x 2 x 1	601	402-249	10	2.06	2.25	0.69	1.00
2 x 2 x 1 ¼	601	402-250	10	2.25	2.50	0.88	0.94
2 x 2 x 1 ½	601	402-251	10	2.38	2.56	1.00	0.94
2 ½ x 2 ½ x 1 ½	601	402-291	10	3.00	2.50	1.00	1.00
2 ½ x 2 ½ x 2	601	402-292	10	3.25	2.88	1.25	1.06
3 x 3 x 1 ½	601	402-337	10	6.00	2.81	1.00	0.94
3 x 3 x 2	601	402-338	10	6.56	2.88	1.25	1.06
4 x 4 x 1 ½	601	402-419	5	6.06	3.69	1.00	1.38
4 x 4 x 2	601	402-420	5	6.50	3.38	1.25	1.13
4 x 4 x 3	601	402-422	5	7.63	4.63	1.81	1.63
6 x 6 x 3	601	402-530	5	10.69	5.50	2.31	2.00
6 x 6 x 4	601	402-532	5	11.69	5.50	2.31	2.00



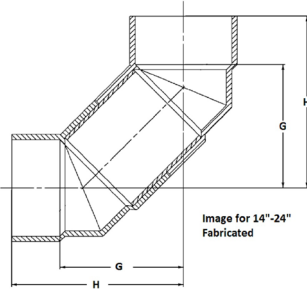
Tee (FPT x FPT x FPT)

Size (inch)	P/L	Part No.	Pack Qty	H (inch)	T (inch)
½	601	405-005	50	1.25	0.72
¾	601	405-007	50	1.38	0.81
1	601	405-010	50	1.69	1.00
1 ¼	601	405-012	25	2.13	0.88
1 ½	601	405-015	25	2.31	1.31



90° Ell (S x S)

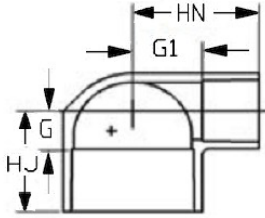
Size (inch)	P/L	Part No.	Pack Qty	H (inch)	G (inch)	Design
½	601	406-005	50	1.25	0.50	
¾	601	406-007	50	1.38	0.56	
1	601	406-010	50	1.69	0.69	
1 ¼	601	406-012	25	2.13	0.88	
1 ½	601	406-015	25	2.25	1.00	
2	601	406-020	25	2.56	1.25	
2 ½	601	406-025	10	3.50	1.50	
3	601	406-030	10	3.81	1.81	
4	601	406-040	5	4.38	2.31	
6	601	406-060	4	7.00	3.50	
8	601	406-080	3	9.00	4.50	
10	B09	406-100	1	11.19	6.19	
12	B09	406-120	1	13.25	7.19	
14	A32	406-140N	1	23.88	16.88	FAB
16	A32	406-160N	1	26.50	18.50	FAB
18	A32	406-180N	1	30.38	21.38	FAB
20	A32	406-200N	1	34.00	24.00	FAB
24	A32	406-240N	1	39.63	27.63	FAB





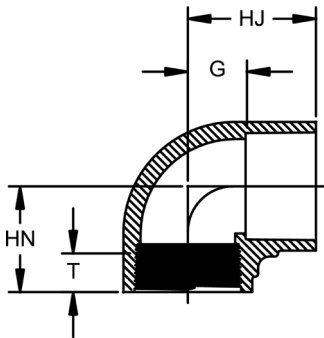
Reducing 90° Ell (S x S)

Size (inch)	P/L	Part No.	Pack Qty	HJ (inch)	HN (inch)	G (inch)	G1 (inch)
¾ x ½	601	406-101	50	1.31	1.31	0.50	0.56
1 x ½	601	406-130	50	1.50	1.38	0.50	0.69
1 x ¾	601	406-131	50	1.56	1.50	0.56	0.69



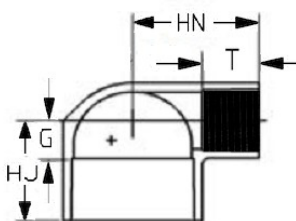
90° Ell (S x FPT)

Size (inch)	P/L	Part No.	Pack Qty	HJ (inch)	HN (inch)	G (inch)	T (inch)
½	601	407-005	50	1.25	1.19	0.50	0.75
¾	601	407-007	50	1.38	1.38	0.63	0.81
1	601	407-010	50	1.63	1.69	0.69	1.00
1 ¼	601	407-012	25	2.19	1.81	0.88	0.88
1 ½	601	407-015	25	2.31	2.31	1.00	1.31
2	601	407-020	10	2.63	2.63	1.25	1.38
2 ½	601	407-025	10	3.38	2.75	1.50	1.25
3	601	407-030	10	3.75	3.19	1.75	1.56
4	601	407-040	5	4.38	4.19	2.38	0.88



Reducing 90° Ell (S x FPT)

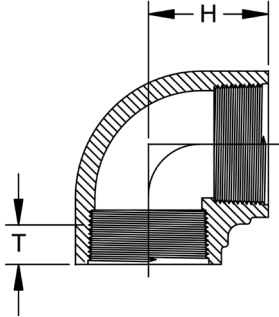
Size (inch)	P/L	Part No.	Pack Qty	HJ (inch)	HN (inch)	G (inch)	T (inch)
¾ x ½	601	407-101	50	1.38	1.25	0.56	0.68
1 x ½	601	407-130	50	1.56	1.38	0.56	0.69
1 x ¾	601	407-131	50	1.56	1.50	0.56	0.81
1 ¼ x 1	601	407-168	25	1.94	1.88	0.69	1.00
1 ½ x 1	601	407-211	25	1.94	2.75	1.06	1.00
1 ½ x 1 ¼	601	407-212	25	2.19	2.25	0.88	0.94
2 x 1	601	407-249	25	2.19	2.44	0.81	0.88
2 x 1 ¼	601	407-250	10	2.25	2.44	0.88	0.88
2 x 1 ½	601	407-251	10	2.44	2.63	1.06	0.94





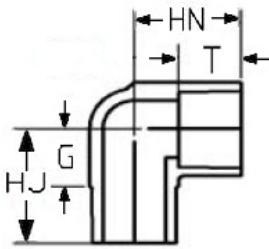
90° Ell (FPT x FPT)

Size (inch)	P/L	Part No.	Pack Qty	H (inch)	T (inch)
½	601	408-005	50	1.31	0.81
¾	601	408-007	50	1.38	0.81
1	601	408-010	50	1.69	1.00
1 ¼	601	408-012	25	2.13	1.19
1 ½	601	408-015	25	2.31	1.38
2	601	408-020	10	2.63	1.38



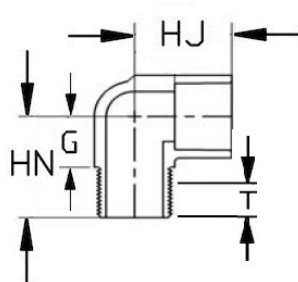
90° Street Ell (S x SPG)

Size (inch)	P/L	Part No.	Pack Qty	HJ (inch)	HN (inch)	G (inch)	T (inch)
½	601	409-005	50	1.31	1.13	0.56	0.81
¾	601	409-007	50	1.63	1.25	0.81	0.75
1	601	409-010	50	1.88	1.44	0.88	0.88
1 ¼	601	409-012	25	2.38	2.13	1.06	1.31
1 ½	601	409-015	25	2.63	2.31	1.25	1.31
2	601	409-020	10	2.88	2.63	1.44	1.38
2 ½	601	409-025	10	4.06	3.38	2.00	1.94
3	601	409-030	10	4.44	4.19	2.31	2.00



90° Street Ell (S x MPT)

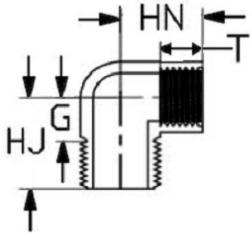
Size (inch)	P/L	Part No.	Pack Qty	HJ (inch)	HN (inch)	G (inch)	T (inch)
½	601	410-005	50	1.25	1.31	0.69	0.63
¾	601	410-007	50	1.25	1.56	0.75	0.81
1	601	410-010	50	1.56	1.88	1.00	0.88
1 ¼	601	410-012	25	2.06	1.94	1.13	0.81
1 ½	601	410-015	25	2.31	2.31	1.25	1.06
2	601	410-020	10	2.69	2.25	1.50	0.75





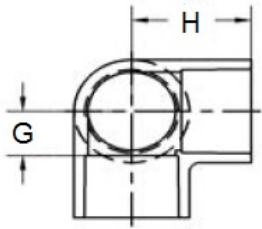
90° Street Ell (FPT x MPT)

Size (inch)	P/L	Part No.	Pack Qty	HJ (inch)	HN (inch)	G (inch)	T (inch)
½	601	412-005	50	1.44	1.06	0.81	0.31
¾	601	412-007	50	1.63	1.19	0.81	0.44
1	601	412-010	50	1.88	1.44	0.88	0.56
1 ¼	601	412-012	25	1.94	2.13	1.13	1.19
1 ½	601	412-015	25	2.31	2.31	1.25	1.31
2	601	412-020	10	2.75	2.31	1.56	1.06

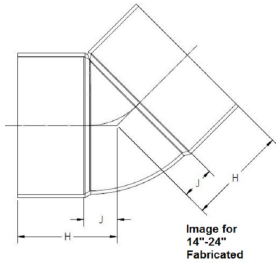
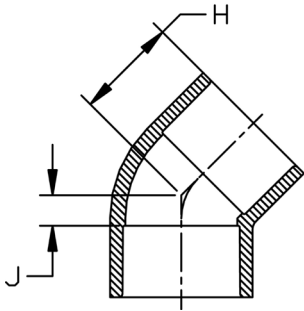


Side Outlet Elbow (S x S x S)

Size (inch)	P/L	Part No.	Pack Qty	H (inch)	G (inch)
½	601	413-005	50	1.31	0.56
¾	601	413-007	50	1.38	0.56
1	601	413-010	25	1.69	0.69
1 ½	601	413-015	25	2.44	1.00
2	601	413-020	10	2.63	1.25

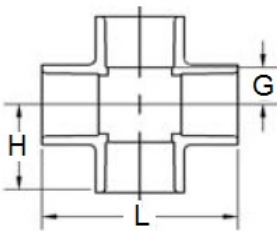


45° Ell (S x S)



Size (inch)	P/L	Part No.	Pack Qty	H (inch)	J (inch)	Design
½	601	417-005	50	1.06	0.25	
¾	601	417-007	50	1.19	0.38	
1	601	417-010	50	1.44	0.31	
1 ¼	601	417-012	25	1.63	0.38	
1 ½	601	417-015	25	1.69	0.44	
2	601	417-020	25	2.00	0.69	
2 ½	601	417-025	10	2.69	0.69	
3	601	417-030	10	2.75	0.75	
4	601	417-040	5	3.00	1.00	
6	601	417-060	4	5.38	1.81	
8	601	417-080	4	6.50	2.00	
10	B09	417-100	1	8.06	3.06	
12	B09	417-120	1	9.56	3.50	
14	A32	417-140N	1	10.00	3.00	FAB
16	A32	417-160N	1	11.63	3.63	FAB
18	A32	417-180N	1	13.13	4.13	FAB
20	A32	417-200N	1	14.50	4.50	FAB
24	A32	417-240N	1	16.75	4.75	FAB

Cross (S x S x S x S)

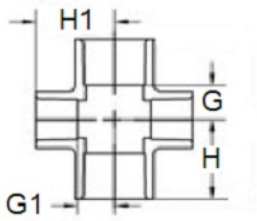


Size (inch)	P/L	Part No.	Pack Qty	L (inch)	H (inch)	G (inch)
½	601	420-005	50	2.44	1.19	0.50
¾	601	420-007	50	2.63	1.31	0.56
1	601	420-010	50	3.38	1.69	0.69
1 ¼	601	420-012	25	4.25	2.13	0.88
1 ½	601	420-015	25	4.63	2.31	1.00
2	601	420-020	10	5.25	2.63	1.25
2 ½	601	420-025	8	7.00	3.50	1.50
3	601	420-030	10	7.63	3.81	1.81
4	601	420-040	5	8.69	4.31	2.31



Reducing Cross (S x S x S x S)

Size (inch)	P/L	Part No.	Pack Qty	H (inch)	H1 (inch)	G (inch)	G1 (inch)
3 x 1 1/2	601	420-337	10	3.00	3.13	1.00	1.81
3 x 2	601	420-338	10	3.25	3.19	1.25	1.81
4 x 1 1/2	601	420-419	5	3.00	3.63	1.00	2.31
4 x 2	601	420-420	5	3.25	3.69	1.25	2.31



Coupling (S x S)

Size (inch)	P/L	Part No.	Pack Qty	L (inch)	N (inch)	Design
1/2	601	429-005	100	1.69	0.13	
3/4	601	429-007	50	1.69	0.13	
1	601	429-010	50	2.06	0.13	
1 1/4	601	429-012	25	2.63	0.13	
1 1/2	601	429-015	25	2.75	0.13	
2	601	429-020	25	2.88	0.13	
2 1/2	601	429-025	10	4.06	0.19	
3	601	429-030	10	4.19	0.19	
4	601	429-040	5	4.25	0.19	
6	601	429-060	5	7.31	0.31	
8	601	429-080	4	9.25	0.25	
10	B09	429-100	1	10.31	0.31	
12	B09	429-120	1	12.38	0.31	
14	A32	429-140N	1	16.50	2.50	FAB
16	A32	429-160N	1	19.00	3.00	FAB
18	A32	429-180N	1	21.75	3.75	FAB
20	A32	429-200N	1	24.13	4.13	FAB
24	A32	429-240N	1	28.00	4.00	FAB

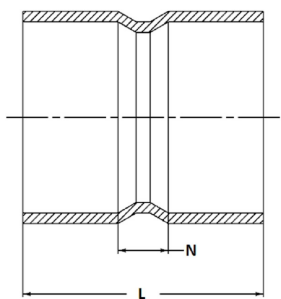
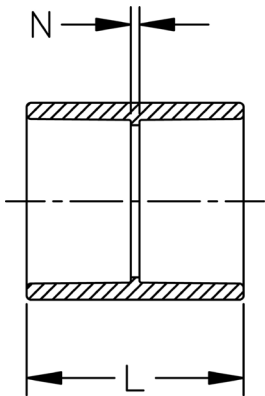


Image for 14"-24"
Fabricated

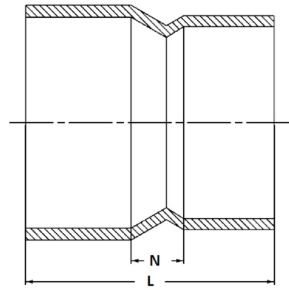
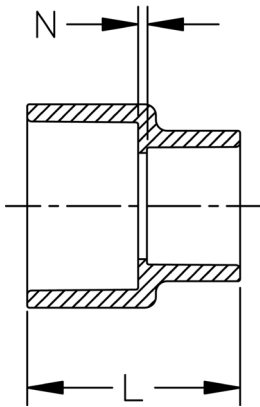


Image for 14"-24"
Fabricated

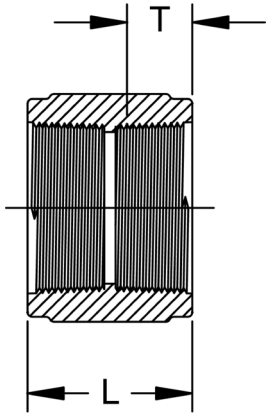
Reducing Coupling (S x S)

Size (inch)	P/L	Part No.	Pack Qty	L (inch)	N (inch)	Design
¾ x ½	601	429-101	50	1.63	0.13	
1 x ¾	601	429-131	50	2.13	0.25	
1 ¼ x 1	601	429-168	25	2.56	0.31	
1 ½ x 1 ¼	601	429-212	25	2.75	0.25	
2 x 1 ½	601	429-251	10	3.13	0.44	
3 x 2	601	429-338	5	4.06	0.63	
4 x 3	601	429-422	4	4.63	0.63	
6 x 4	601	429-532	4	6.63	1.19	
8 x 4	601	429-582	4	8.94	2.38	
8 x 6	601	429-585	4	9.06	1.06	
10 x 6	B09	429-626	1	10.81	2.69	
10 x 8	B09	429-628	1	10.75	1.69	
12 x 8	B09	429-668	1	12.88	2.69	
12 x 10	B09	429-670	1	13.06	1.94	
14 x 4	A32	429-696N	1	10.50	4.75	FAB
14 x 6	A32	429-698N	1	11.50	4.50	FAB
14 x 8	A32	429-700N	1	13.25	5.50	FAB
14 x 10	A32	429-702N	1	17.00	5.00	FAB
14 x 12	A32	429-704N	1	17.00	4.00	FAB
16 x 4	A32	429-730N	1	10.75	4.50	FAB
16 x 6	A32	429-732N	1	11.75	4.50	FAB
16 x 8	A32	429-734N	1	12.25	6.00	FAB
16 x 10	A32	429-736N	1	20.00	7.00	FAB
16 x 12	A32	429-738N	1	18.38	4.38	FAB
16 x 14	A32	429-740N	1	18.50	3.50	FAB
18 x 6	A32	429-786N	1	12.75	5.00	FAB
18 x 8	A32	429-788N	1	14.00	6.00	FAB
18 x 10	A32	429-790N	1	15.75	6.00	FAB
18 x 12	A32	429-792N	1	22.38	7.38	FAB
18 x 14	A32	429-794N	1	22.25	6.25	FAB
18 x 16	A32	429-796N	1	22.38	5.38	FAB
20 x 8	A32	429-818N	1	14.00	5.75	FAB
20 x 10	A32	429-820N	1	34.50	19.25	FAB
20 x 12	A32	429-822N	1	34.75	17.00	FAB
20 x 14	A32	429-824N	1	33.00	15.75	FAB
20 x 16	A32	429-826N	1	23.75	5.75	FAB
20 x 18	A32	429-828N	1	23.50	4.50	FAB
24 x 6	A32	429-906N	1	14.50	5.25	FAB
24 x 8	A32	429-908N	1	16.00	6.00	FAB
24 x 10	A32	429-910N	1	18.00	7.00	FAB
24 x 12	A32	429-912N	1	40.50	21.75	FAB
24 x 14	A32	429-914N	1	40.50	21.50	FAB
24 x 16	A32	429-916N	1	40.50	20.25	FAB
24 x 18	A32	429-918N	1	29.75	8.75	FAB
24 x 20	A32	429-920N	1	28.50	6.50	FAB



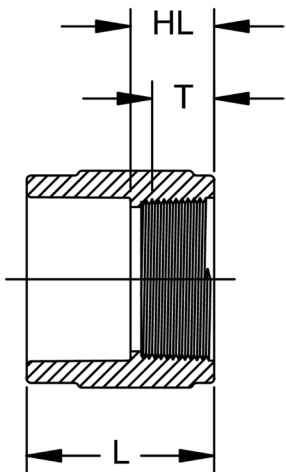
Coupling (FPT x FPT)

Size (inch)	P/L	Part No.	Pack Qty	L (inch)	T (inch)
½	601	430-005	100	1.56	0.69
¾	601	430-007	50	1.81	0.97
1	601	430-010	50	1.56	1.00
2	601	430-020	25	1.75	0.94



Female Adapter (S x FPT)

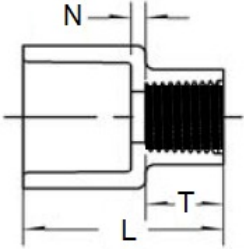
Size (inch)	P/L	Part No.	Pack Qty	L (inch)	N (inch)
½	601	435-005	100	1.75	0.31
¾	601	435-007	50	1.75	0.31
1	601	435-010	50	2.19	0.13
1 ¼	601	435-012	25	2.25	0.06
1 ½	601	435-015	25	2.25	0.06
2	601	435-020	25	2.44	0.06
2 ½	601	435-025	10	3.75	0.19
3	601	435-030	10	3.75	0.19
4	601	435-040	5	4.00	0.19
6	601	435-060	4	5.75	0.25
8	601	435-080	4	6.94	0.25





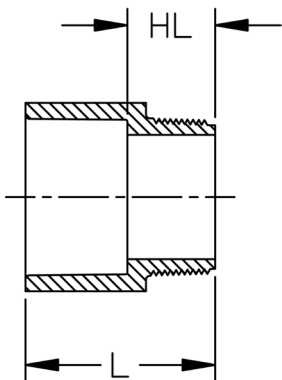
Reducing Female Adapter (S x FPT)

Size (inch)	P/L	Part No.	Pack Qty	L (inch)	N (inch)	T (inch)
¾ x ½	601	435-101	50	1.56	0.13	0.69
¾ x 1	601	435-102	50	1.75	0.06	1.00
1 x ¾	601	435-131	50	1.88	0.00	0.88
1 x 1 ½	601	435-211	25	2.19	0.19	1.00



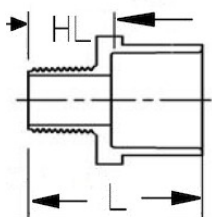
Male Adapter (MPT x S)

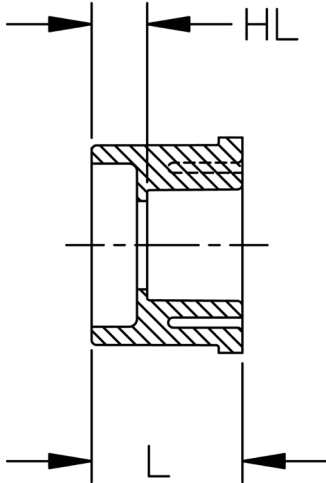
Size (inch)	P/L	Part No.	Pack Qty	HL (inch)	L (inch)
½	601	436-005	100	0.69	1.56
¾	601	436-007	50	0.25	1.56
1	601	436-010	50	1.00	2.00
1 ¼	601	436-012	25	1.25	2.50
1 ½	601	436-015	25	1.19	2.50
2	601	436-020	25	1.31	2.69
2 ½	601	436-025	10	1.88	3.88
3	601	436-030	10	1.94	3.94
4	601	436-040	5	2.06	4.06
6	601	436-060	4	2.38	5.88
8	601	436-080	4	2.56	7.13
12	A32	436-120N	1	5.00	10.50



Reducing Male Adapter (MPT x S)

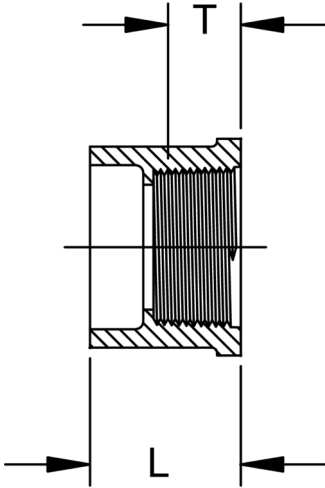
Size (inch)	P/L	Part No.	Pack Qty	HL (inch)	L (inch)
½ x ¾	601	436-074	50	0.88	1.75
¾ x ½	601	436-101	50	0.94	1.69
¾ x 1	601	436-102	50	0.81	1.81
1 x ¾	601	436-131	50	1.00	2.31
1 x 1 ¼	601	436-132	25	1.19	2.88
1 ¼ x 1	601	436-168	25	1.00	2.00
1 ¼ x 1 ½	601	436-169	25	0.94	2.31
1 ½ x 1 ¼	601	436-212	25	1.19	2.50
1 ½ x 2	601	436-213	10	1.25	2.63
2 x 1 ½	601	436-251	10	1.25	2.56





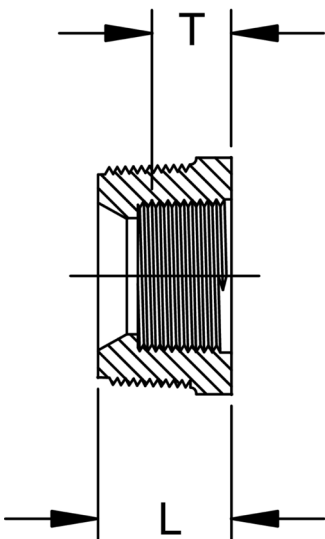
Reducer Bushing (SPG x S)

Size (inch)	P/L	Part No.	Pack Qty	HL (inch)	L (inch)
¾ x ½	601	437-101	100	0.25	1.06
1 x ½	601	437-130	100	0.50	1.25
1 x ¾	601	437-131	100	0.44	1.25
1 ¼ x ½	601	437-166	25	0.81	1.56
1 ¼ x ¾	601	437-167	25	0.75	1.50
1 ¼ x 1	601	437-168	25	0.44	1.50
1 ½ x ½	601	437-209	25	0.88	1.63
1 ½ x ¾	601	437-210	25	0.81	1.63
1 ½ x 1	601	437-211	25	0.69	1.69
1 ½ x 1 ¼	601	437-212	25	0.38	1.56
2 x ½	601	437-247	10	0.94	1.69
2 x 1	601	437-249	10	0.56	1.63
2 x ¾	601	437-248	10	0.88	1.69
2 x 1 ¼	601	437-250	10	0.44	1.69
2 x 1 ½	601	437-251	25	0.38	1.69
2 ½ x 1	601	437-289	10	1.31	2.31
2 ½ x 1 ¼	601	437-290	10	1.00	2.25
2 ½ x 1 ½	601	437-291	10	1.00	2.31
2 ½ x 2	601	437-292	10	0.88	2.25
3 x 1	601	437-335	10	1.44	2.38
3 x 1 ¼	601	437-336	10	1.25	2.44
3 x 1 ½	601	437-337	10	1.13	2.38
3 x 2	601	437-338	10	1.00	2.38
3 x 2 ½	601	437-339	10	0.38	2.38
4 x 2	601	437-420	5	1.00	2.38
4 x 2 ½	601	437-421	5	0.56	2.44
4 x 3	601	437-422	5	0.38	2.38
6 x 3	601	437-530	5	2.06	4.06
6 x 4	601	437-532	5	2.00	4.00
8 x 4	601	437-582	5	3.25	5.25
8 x 6	601	437-585	5	1.75	5.25
10 x 4	B09	437-624	1	4.38	6.38
10 x 6	B09	437-626	1	2.44	5.44
10 x 8	B09	437-628	1	1.38	5.44
12 x 3	B09	437-661	1	5.38	7.38
12 x 4	B09	437-664	1	5.63	7.63
12 x 6	B09	437-666	1	4.13	7.69
12 x 8	B09	437-668	1	2.38	6.44
12 x 10	B09	437-670	1	1.44	6.50



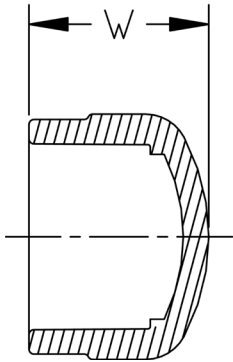
Reducer Bushing (SPG x FPT)

Size (inch)	P/L	Part No.	Pack Qty	L (inch)	T (inch)
1/2 x 1/4	601	438-072	100	1.19	0.69
1/2 x 3/8	601	438-073	100	1.25	0.63
3/4 x 1/4	601	438-098	50	1.13	0.63
3/4 x 1/2	601	438-101	100	1.06	0.81
1 x 1/2	601	438-130	100	1.25	0.75
1 x 3/4	601	438-131	100	1.25	0.69
1 1/4 x 1/2	601	438-166	25	1.56	1.06
1 1/4 x 3/4	601	438-167	25	1.56	0.75
1 1/4 x 1	601	438-168	25	1.56	1.00
1 1/2 x 1/2	601	438-209	25	1.56	0.69
1 1/2 x 3/4	601	438-210	25	1.56	0.69
1 1/2 x 1	601	438-211	25	1.56	0.88
1 1/2 x 1 1/4	601	438-212	25	1.63	1.38
2 x 1/2	601	438-247	10	1.69	0.75
2 x 3/4	601	438-248	10	1.69	0.69
2 x 1	601	438-249	10	1.75	1.13
2 x 1 1/4	601	438-250	10	1.69	1.38
2 x 1 1/2	601	438-251	10	1.69	0.94
2 1/2 x 1 1/2	601	438-291	10	2.31	1.31
2 1/2 x 2	601	438-292	10	2.31	1.50
3 x 1 1/2	601	438-337	10	2.38	0.88
3 x 2	601	438-338	10	2.38	1.00
3 x 2 1/2	601	438-339	10	2.38	1.50
4 x 2	601	438-420	5	2.44	1.00
4 x 2 1/2	601	438-421	5	2.44	1.31
4 x 3	601	438-422	5	2.38	1.38
6 x 4	601	438-532	5	3.88	1.69



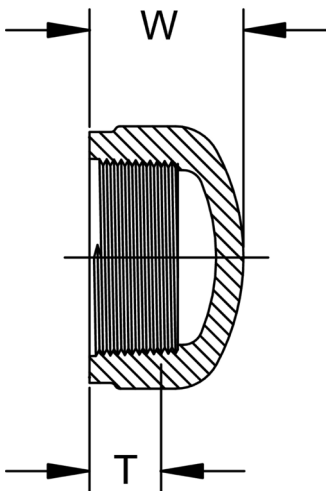
Reducer Bushing (MPT x FPT)

Size (inch)	P/L	Part No.	Pack Qty	L (inch)	T (inch)
1/2 x 1/4	601	439-072	50	1.13	0.63
1/2 x 3/8	601	439-073	50	1.13	0.69
3/4 x 1/4	601	439-098	50	1.13	0.69
3/4 x 1/2	601	439-101	50	1.00	0.75
1 x 1/2	601	439-130	50	1.06	0.75
1 x 3/4	601	439-131	50	1.13	0.75
1 1/4 x 1/2	601	439-166	25	1.31	0.75
1 1/4 x 3/4	601	439-167	25	1.31	0.50
1 1/4 x 1	601	439-168	25	1.31	1.00
1 1/2 x 1/2	601	439-209	25	1.38	0.75
1 1/2 x 3/4	601	439-210	25	1.44	0.81
1 1/2 x 1	601	439-211	25	1.44	1.13
1 1/2 x 1 1/4	601	439-212	25	1.44	1.00
2 x 1	601	439-249	10	1.44	1.00
2 x 1 1/4	601	439-250	10	1.44	1.00
2 x 1 1/2	601	439-251	10	1.50	1.00
2 1/2 x 2	601	439-292	10	1.81	1.06
3 x 2	601	439-338	5	2.06	1.06



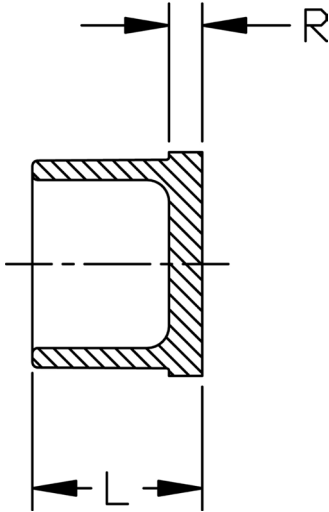
Cap (S)

Size (inch)	P/L	Part No.	Pack Qty	W (inch)	Design
½	601	447-005	100	1.19	
¾	601	447-007	100	1.31	
1	601	447-010	50	1.75	
1 ¼	601	447-012	25	1.75	
1 ½	601	447-015	25	2.00	
2	601	447-020	25	2.19	
2 ½	601	447-025	10	3.06	
3	601	447-030	10	3.19	
4	601	447-040	5	3.50	
6	601	447-060	5	5.38	
8	601	447-080	4	6.69	
10	B09	447-100	1	8.50	
12	B09	447-120	1	9.63	
14	A32	447-140N	1	5.00	FAB
16	A32	447-160N	1	5.25	FAB
18	A32	447-180N	1	6.25	FAB
20	A32	447-200N	1	6.75	FAB
24	A32	447-240N	1	8.00	FAB



Cap (FPT)

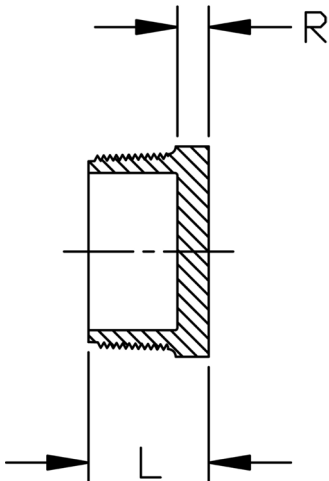
Size (inch)	P/L	Part No.	Pack Qty	W (inch)	T (inch)
½	601	448-005	100	1.06	0.75
¾	601	448-007	100	1.13	0.81
1	601	448-010	50	1.25	1.00
1 ¼	601	448-012	25	1.50	1.31
1 ½	601	448-015	25	1.56	1.06
2	601	448-020	10	1.75	1.44
2 ½	601	448-025	10	2.56	2.13
3	601	448-030	10	3.13	2.00
4	601	448-040	5	3.25	2.19



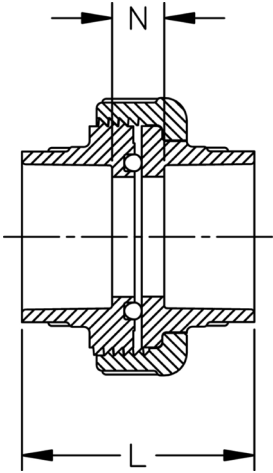
Plug (SPG)

Size (inch)	P/L	Part No.	Pack Qty	L (inch)	R (inch)
½	601	449-005	50	1.00	0.25
¾	601	449-007	50	1.06	0.25
1	601	449-010	50	1.25	0.25
1 ¼	601	449-012	25	1.56	0.31
1 ½	601	449-015	25	1.63	0.31
2	601	449-020	10	1.69	0.31
2 ½	601	449-025	10	2.38	0.38
3	601	449-030	10	2.38	0.38
4	601	449-040	5	2.38	0.38

Plug (MPT)



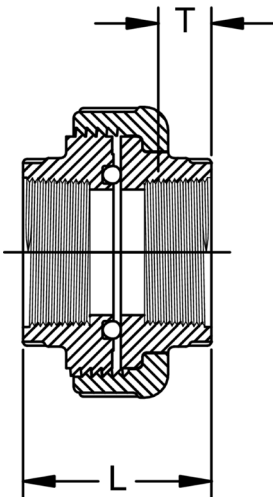
Size (inch)	P/L	Part No.	Pack Qty	L (inch)	R (inch)
½	601	450-005	50	1.00	0.25
¾	601	450-007	50	1.06	0.31
1	601	450-010	50	1.13	0.31
1 ¼	601	450-012	25	1.25	0.44
1 ½	601	450-015	25	1.38	0.31
2	601	450-020	10	1.38	0.31
2 ½	601	450-025	10	1.94	0.38
3	601	450-030	10	2.00	0.31
4	601	450-040	5	2.13	0.38
6	A32	450-060N	1	2.00	1.00
8	A32	450-080N	1	2.00	1.00
10	A32	450-100N	1	2.00	1.00
12	A32	450-120N	1	2.00	1.00



Union (S x S)

- 150 psi @ 73°F (10.3 bar @ 22.7°C)
- O-ring material Buna-N

Size (inch)	P/L	Part No.	Pack Qty	L (inch)	N (inch)
½	601	457-005	10	1.75	0.25
¾	601	457-007	10	1.88	0.25
1	601	457-010	10	2.38	0.25
1 ¼	601	457-012	5	2.81	0.38
1 ½	601	457-015	5	3.00	0.38
2	601	457-020	5	3.13	0.38



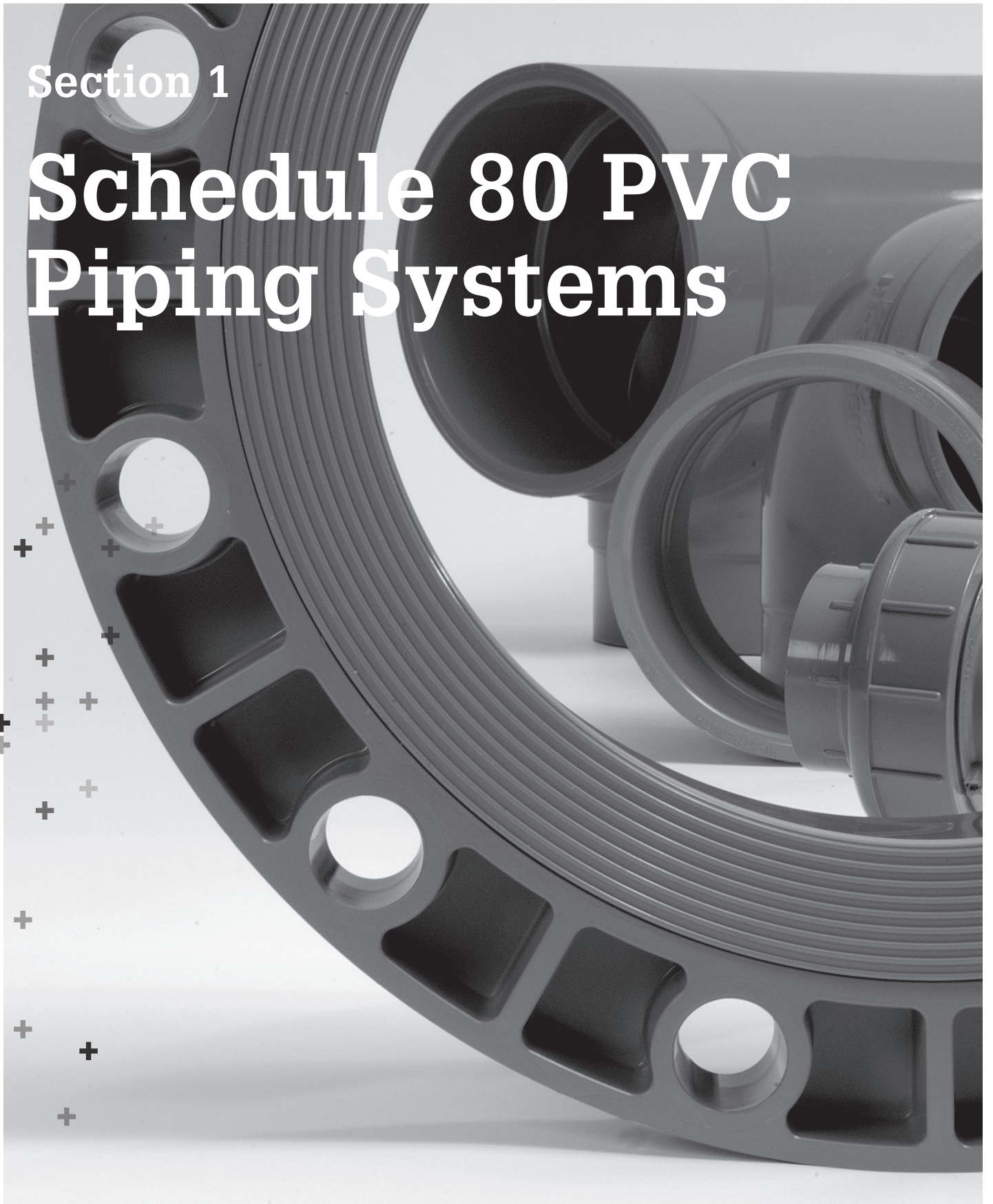
Union (FPT x FPT)

- 150 psi @ 73°F (10.3 bar @ 22.7°C)
- O-ring material Buna-N

Size (inch)	P/L	Part No.	Pack Qty	L (inch)	T (inch)
½	601	458-005	10	1.75	0.75
¾	601	458-007	10	1.88	0.81
1	601	458-010	10	2.44	1.06
1 ¼	601	458-012	5	2.81	1.13
1 ½	601	458-015	5	3.00	1.06
2	601	458-020	5	3.13	1.19

Section 1

Schedule 80 PVC Piping Systems



Glossary

FPT	=	Female Pipe Thread
MPT	=	Male Pipe Thread
S	=	Tapered Socket
SPG	=	Spigot End (same dimension as pipe outside diameter)
*	=	Non-Returnable / Non-cancellable
^	=	40% Restocking Fee
HS	=	High Strength Design
SL	=	Streamline Design
BUSH	=	Assembled Fitting from Molded Components
FAB	=	Fabricated Fitting

The technical information given in this publication implies no warranty of any kind and is subject to change without notice. Please consult our Terms and Conditions of Sale.

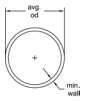
For complete technical information, please consult the Vinyl Catalog and Technical Information

For more information about any of our product lines, please visit www.gfps.com



Harvel® Industrial PVC Pressure Pipe

111



Harvel® Industrial PLUS PVC Pressure Pipe

112



Schedule 80 PVC Pressure Fittings

113



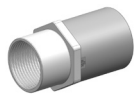
Schedule 80 PVC Low Pressure Fittings

133



Schedule 80 PVC DWV Fittings

135



Schedule 80 PVC Metal Transition Fittings

138



Schedule 80 PVC Expansion Joints

140

Specifications, Standards and Tolerances

Specifications and Standards

NSF/ANSI Standard 14

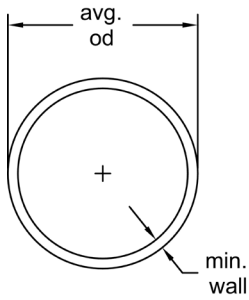
NSF/ANSI Standard 61

ASTM D 1784	:	Material PVC Type I, Grade I Gray (cell classification 12454)
ASTM D 1785	:	PVC Schedule 80 Pipe
ASTM D 2467	:	PVC Schedule 80 Socket & Threaded Fittings
ASTM D 2464	:	PVC Schedule 80 Threaded Fittings
ASTM F 1498	:	PVC Schedule 80 Taper Threads
ASTM D 2672	:	PVC Schedule 80 Tapered Sockets for Bell End Pipe
ASTM F 1970	:	PVC Schedule 80 Unions
ANSI B16.5	:	Outside Diameter & Flange Bolt Hole Patterns
ANSI B1.20.1	:	PVC Schedule 80 NPT Threads
CSA B137.3	:	PVC Schedule 80 Pipe

Molded Dimension Tolerances

A	Piston Position; Expansion Joints : ± 0.03
D	Outside Diameter : ± 0.06
G, G1	Intersections of centerlines to bottom of socket; 90° Ells, Tees : up to 4" ± 0.03 ; 6" and above ± 0.06
GJ, GN	Intersections of centerlines to bottom of socket; 45° Wyes : up to 4" ± 0.03 ; 6" and above ± 0.06
H, HJ, HN	Intersections of centerlines to face of fitting; 90° Ells, 45° Ells, Tees, 45° Wyes : up to 4" ± 0.03 ; 6" and above ± 0.06
HL	Socket Bottom to Face of Fitting : up to 4" ± 0.03 ; 6" and above ± 0.06
J	Intersections of centerlines to bottom of socket; 45° & 30° Ells : up to 4" ± 0.03 ; 6" and above ± 0.06
L	Overall Length of fitting : ± 0.06
N	Socket Bottom to Socket Bottom; Couplings, Unions : ± 0.06
N1	Socket Bottom to Face of Flange : ± 0.06
R	Thickness on Plugs, Flanges : ± 0.03
T, T1	Effective Thread Length : Reference Only
W	Height of Cap : ± 0.06

Harvel® Industrial PVC Pressure Pipe

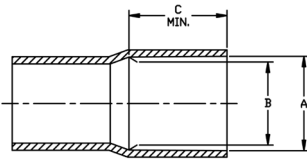


Plain End Pipe - 20 ft lengths

- Refer to Industrial PLUS for sizes 1/8", 1/4", 3/8", 3-1/2", 5", 14"-24"
- Max Water Pressure at 73°F (22.7°C) with solvent-cemented joints
- Meets NSF[®]-pw-G
- Non - CSA Approved

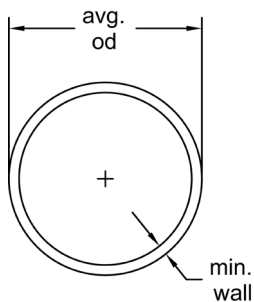
Size (inch)	P/L	Plain End Part No.	Lift Qty. (20ft Lgths) (ft)	Average O.D. (inch)	Min. Wall (inch)	Wt/Ft (lbs/ft)	Max Water Pressure (psi)
1/2	H18	H0800050PG2000	5700	0.840	0.147	0.202	850
3/4	H18	H0800075PG2000	5260	1.050	0.154	0.273	690
1	H18	H0800100PG2000	4280	1.315	0.179	0.402	630
1 1/4	H18	H0800125PG2000	2360	1.660	0.191	0.554	520
1 1/2	H18	H0800150PG2000	2060	1.900	0.200	0.673	470
2	H18	H0800200PG2000	1660	2.375	0.218	0.932	400
2 1/2	H18	H0800250PG2000	1080	2.875	0.276	1.419	420
3	H18	H0800300PG2000	840	3.500	0.300	1.903	370
4	H18	H0800400PG2000	520	4.500	0.337	2.782	320
6	H18	H0800600PG2000	340	6.625	0.432	5.313	280
8	H18	H0800800PG2000	220	8.625	0.500	8.058	250
10	H18	H0801000PG2000	80	10.750	0.593	11.956	230
12	H18	H0801200PG2000	60	12.750	0.687	16.437	230

Belled End Pipe - 20 ft length Less Bell



Size (inch)	P/L	Belled End Part No.	A-Socket Entrance (Belled Pipe)	B-Socket Bottom (Belled Pipe)	C-Min. (Belled Pipe)
1/2	H18	H0800050PG200B	0.848±0.004	0.836±0.004	1.000
3/4	H18	H0800075PG200B	1.058±0.004	1.046±0.004	1.250
1	H18	H0800100PG200B	1.325±0.005	1.310±0.005	1.500
1 1/4	H18	H0800125PG200B	1.678±0.002	1.653±0.005	1.870
1 1/2	H18	H0800150PG200B	1.910±0.004	1.884±0.004	2.000
2	H18	H0800200PG200B	2.387±0.006	2.369±0.006	2.250
2 1/2	H18	H0800250PG200B	2.889±0.007	2.868±0.007	2.500
3	H18	H0800300PG200B	3.516±0.008	3.492±0.008	3.250
4	H18	H0800400PG200B	4.518±0.009	4.491±0.009	4.000
6	H18	H0800600PG200B	6.647±0.011	6.614±0.011	6.000
8	H18	H0800800PG200B	8.655±0.015	8.610±0.015	6.000
10	H18	H0801000PG200B	10.776±0.015	10.737±0.015	8.000
12	H18	H0801200PG200B	12.778±0.015	12.736±0.015	8.500

Harvel® Industrial PLUS PVC Pressure Pipe

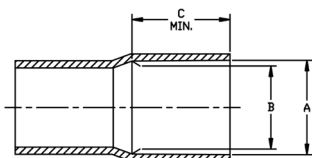


Plain End Pipe - 20 ft lengths

- Meets NSF®-pw-G
- Meets CAN/CSA B137.3 Requirements

Size (inch)	P/L	Plain End Part No.	Lift Qty. (20ft Lgths) (ft)	Average O.D. (inch)	Min. Wall (inch)	Wt/Ft (lbs/ft)	Max Water Pressure (psi)
¼	H50	H0800013PG2000	5700	0.405	0.095	0.058	1230
¼	H50	H0800025PG2000	5700	0.540	0.119	0.100	1130
¾	H50	H0800038PG2000	5700	0.675	0.126	0.138	920
½	H50	HX800050PG2000	5700	0.840	0.147	0.202	850
¾	H50	HX800075PG2000	5260	1.050	0.154	0.273	690
1	H50	HX800100PG2000	4280	1.315	0.179	0.402	630
1 ¼	H50	HX800125PG2000	2360	1.660	0.191	0.554	520
1 ½	H50	HX800150PG2000	2060	1.900	0.200	0.673	470
2	H50	HX800200PG2000	1660	2.375	0.218	0.932	400
2 ½	H50	HX800250PG2000	1080	0.287	0.276	1.419	420
3	H50	HX800300PG2000	840	3.500	0.300	1.903	370
3 ½	H50	H0800350PG2000	680	4.000	0.318	2.322	350
4	H50	HX800400PG2000	520	4.500	0.337	2.782	320
5	H50	H0800500PG2000	400	5.563	0.375	3.867	290
6	H50	HX800600PG2000	340	6.625	0.432	5.313	280
8	H50	HX800800PG2000	220	8.625	0.500	8.058	250
10	H50	HX801000PG2000	80	10.750	0.593	11.956	230
12	H50	HX801200PG2000	60	12.750	0.687	16.437	230
14	H50	H0801400PG2000	60	14.000	0.750	19.790	220
16	H50	H0801600PG2000	60	16.000	0.843	25.430	220
18	H50	H0801800PG2000	40	18.000	0.937	31.830	220
20	H50	H0802000PG2000	40	20.000	1.031	40.091	220
24	H50	H0802400PG2000	40	24.000	1.218	56.882	210

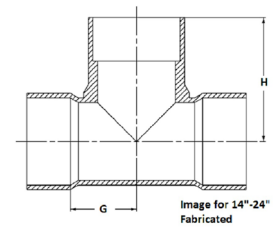
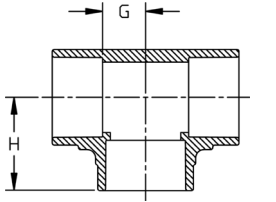
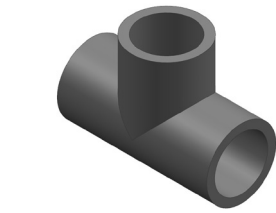
Belled End Pipe - 20 ft length Less Bell



Size (inch)	P/L	Belled End Part No.	A-Socket Entrance (Belled Pipe)	B-Socket Bottom (Belled Pipe)	C-Min. (Belled Pipe)
½	H50	HX800050PG200B	0.848±0.004	0.836±0.004	1.000
¾	H50	HX800075PG200B	1.058±0.004	1.046±0.004	1.250
1	H50	HX800100PG200B	1.325±0.005	1.310±0.005	1.500
1 ¼	H50	HX800125PG200B	1.670±0.005	1.655±0.005	1.750
1 ½	H50	HX800150PG200B	1.912±0.006	1.894±0.006	2.000
2	H50	HX800200PG200B	2.387±0.006	2.363±0.006	2.250
2 ½	H50	HX800250PG200B	2.889±0.007	2.861±0.007	2.500
3	H50	HX800300PG200B	3.516±0.008	3.484±0.008	3.250
3 ½	H50	H0800350PG200B	4.016±0.008	3.984±0.008	3.500
4	H50	HX800400PG200B	4.518±0.009	4.482±0.009	4.000
5	H50	H0800500PG200B	5.583±0.010	5.543±0.010	4.000
6	H50	HX800600PG200B	6.647±0.011	6.603±0.011	6.000
8	H50	HX800800PG200B	8.655±0.015	8.598±0.015	6.000
10	H50	HX801000PG200B	10.776±0.015	10.722±0.015	7.500
12	H50	HX801200PG200B	12.778±0.015	12.721±0.015	8.500
14	H50	H0801400PG200B	14.035±0.015	13.985±0.015	9.000
16	H50	H0801600PG200B	16.045±0.015	15.980±0.015	10.000
18	H50	H0801800PG200B	18.055±0.020	17.980±0.020	12.000
20	H50	H0802000PG200B	20.065±0.025	19.980±0.025	12.000
24	H50	H0802400PG200B	24.075±0.030	23.970±0.030	12.000

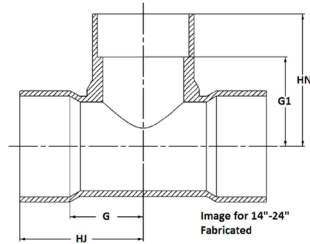
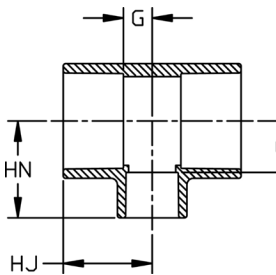
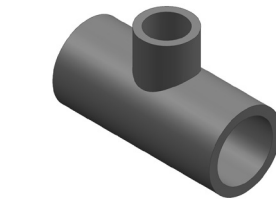
Schedule 80 PVC Pressure Fittings

Tee (S x S x S) Schedule 80 Harvel® PVC



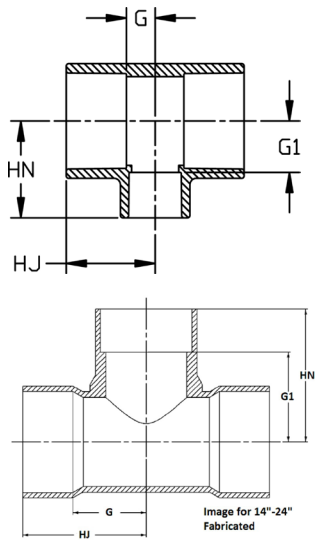
Size (inch)	P/L	Part No.	Pack Qty	H (inch)	G (inch)	Design
¼	608	801-002	50	0.95	0.27	HS
⅜	608	801-003	50	1.16	0.38	HS
½	608	801-005	25	1.41	0.51	SL
¾	608	801-007	25	1.60	0.58	SL
1	608	801-010	20	1.85	0.71	SL
1 ¼	608	801-012	10	2.17	0.91	SL
1 ½	608	801-015	10	2.43	1.04	SL
2	608	801-020	10	2.81	1.30	SL
2 ½	608	801-025	5	3.31	1.55	SL
3	608	801-030	5	3.71	1.81	SL
4	608	801-040	5	4.60	2.33	SL
6	608	801-060	2	6.53	3.51	SL
8	608	801-080	1	8.66	4.58	SL
10	602	801-100	1	10.79	5.78	SL
12	602	801-120	1	12.96	6.94	SL
14	A33	801-140N	1	19.50	10.88	FAB
16	A33	801-160N	1	22.75	12.13	FAB
18	A33	801-180N	1	26.00	13.38	FAB
20	A33	801-200N	1	28.25	14.63	FAB
24	A33	801-240N	1	34.50	17.13	FAB

Reducing Tee (S x S x S) Schedule 80 Harvel® PVC



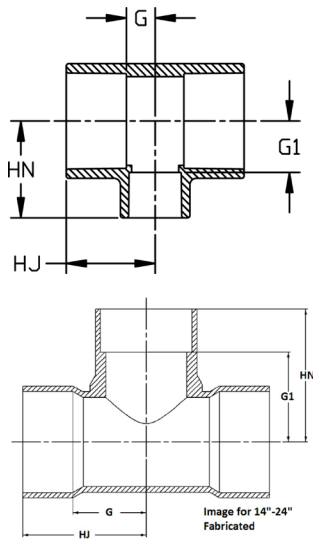
Size (inch)	P/L	Part No.	Pack Qty	HJ (inch)	HN (inch)	G (inch)	G1 (inch)	Design
¾ x ½	608	801-101	25	1.62	1.62	0.60	0.72	SL
1 x ½	608	801-130	25	1.87	1.64	0.72	0.74	SL
1 x ¾	608	801-131	20	1.86	1.89	0.72	0.75	SL
1 ¼ x ½	608	801-166FB	20	1.99	2.35	0.73	1.47	BUSH
1 ¼ x ¾	608	801-167FB	20	1.99	2.35	0.73	1.33	BUSH
1 ¼ x 1	608	801-168	20	2.01	2.05	0.73	0.91	SL
1 ½ x ½	608	801-209	5	1.92	1.91	0.53	1.03	SL
1 ½ x ¾	608	801-210	5	1.99	2.07	0.60	1.05	SL
1 ½ x 1	608	801-211	5	2.12	2.17	0.72	1.03	SL
1 ½ x 1 ¼	608	801-212FB	5	2.44	2.74	1.04	1.47	BUSH
2 x ½	608	801-247	5	1.99	2.16	0.54	1.28	SL
2 x ¾	608	801-248	5	2.22	2.31	0.60	1.30	SL
2 x 1	608	801-249	5	2.24	2.42	0.72	1.27	SL
2 x 1 ¼	608	801-250FB	5	2.81	3.11	1.30	1.84	BUSH
2 x 1 ½	608	801-251	5	2.54	2.66	1.03	1.27	SL
2 ½ x ½	608	801-287FB	5	3.05	3.35	1.28	2.44	BUSH
2 ½ x ¾	608	801-288FB	5	3.05	3.35	1.28	2.33	BUSH
2 ½ x 1	608	801-289FB	5	3.05	3.36	1.28	2.22	BUSH
2 ½ x 1 ¼	608	801-290FB	5	3.05	3.34	1.28	2.07	BUSH
2 ½ x 1 ½	608	801-291FB	5	3.05	3.35	1.28	1.94	BUSH
2 ½ x 2	608	801-292	5	3.05	3.05	1.28	1.54	SL
3 x ½	608	801-333FB	5	3.20	3.68	1.30	2.77	BUSH
3 x ¾	608	801-334FB	5	3.20	3.68	1.30	2.66	BUSH
3 x 1	608	801-335FB	5	3.20	3.69	1.30	2.55	BUSH
3 x 1 ¼	608	801-336FB	5	3.20	3.67	1.30	2.40	BUSH
3 x 1 ½	608	801-337FB	5	3.20	3.68	1.30	2.27	BUSH
3 x 2	608	801-338	5	3.20	3.39	1.30	1.87	SL
3 x 2 ½	608	801-339FB	5	3.73	4.07	1.81	2.17	BUSH
4 x ½	608	801-415FB	5	3.52	4.19	1.27	3.28	BUSH
4 x ¾	608	801-416FB	5	3.52	4.19	1.27	3.17	BUSH

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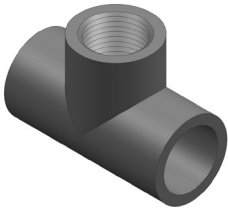
Size (inch)	P/L	Part No.	Pack Qty	HJ (inch)	HN (inch)	G (inch)	G1 (inch)	Design
4 x 1	608	801-417	5	2.99	3.49	0.74	2.36	SL
4 x 1 ¼	608	801-418FB	5	3.52	4.18	1.27	2.91	BUSH
4 x 1 ½	608	801-419FB	5	3.52	4.19	1.27	2.78	BUSH
4 x 2	608	801-420	5	3.54	3.87	1.27	2.37	SL
4 x 2 ½	608	801-421FB	5	4.14	4.62	1.85	2.73	BUSH
4 x 3	608	801-422	5	4.13	4.26	1.85	2.35	SL
6 x ½	608	801-523FB	2	6.56	7.42	3.56	6.52	BUSH
6 x ¾	608	801-524FB	2	6.56	7.43	3.49	6.41	BUSH
6 x 1	608	801-525FB	2	6.56	7.44	3.49	6.29	BUSH
6 x 1 ¼	608	801-526FB	2	6.56	7.42	3.49	6.15	BUSH
6 x 1 ½	608	801-527FB	2	6.56	7.42	3.49	6.02	BUSH
6 x 2	608	801-528	2	4.45	5.25	1.43	3.74	SL
6 x 2 ½	608	801-529FB	2	6.56	7.52	3.49	5.62	BUSH
6 x 3	608	801-530FB	2	6.56	7.21	3.49	5.25	BUSH
6 x 4	608	801-532	2	6.57	6.80	3.49	4.47	HS
6 x 5	H04	801-533FS	1	9.00	9.50	5.75	6.50	FAB
8 x 4	608	801-582	2	8.41	8.53	4.29	6.30	SL
8 x 6	608	801-585	1	7.65	7.54	3.55	4.63	SL
10 x 1 ½	A33	801-618N	1	10.75	12.45	5.75	11.04	FAB
10 x 2	A33	801-619N	1	10.75	11.50	5.75	9.50	FAB
10 x 3	A33	801-621N	1	10.75	11.50	5.25	9.50	FAB
10 x 4	A33	801-623N	1	10.75	11.50	5.75	9.50	FAB
10 x 6	602	801-626FB	1	10.83	11.43	5.78	8.33	BUSH
10 x 6	A33	801-626N	1	11.88	12.50	6.88	9.50	FAB
10 x 8	602	801-628FB	1	10.83	11.46	5.78	7.36	BUSH
10 x 8	A33	801-628N	1	13.00	13.50	8.00	9.50	FAB
12 x 2	A33	801-659N	1	12.00	12.75	6.00	10.75	FAB
12 x 3	A33	801-661N	1	12.00	12.75	6.00	10.75	FAB
12 x 4	A33	801-663N	1	12.00	12.75	6.00	10.75	FAB
12 x 6	A33	801-666N	1	13.13	13.75	7.13	10.75	FAB
12 x 8	602	801-668FB	1	12.99	13.67	6.94	9.58	BUSH
12 x 8	A33	801-668N	1	14.13	14.75	8.13	10.75	FAB
12 x 10	602	801-670FB	1	12.99	13.68	6.94	8.57	BUSH
12 x 10	A33	801-670N	1	15.13	15.75	9.13	10.75	FAB
14 x 2	A33	801-692N	1	13.13	13.50	6.13	11.50	FAB
14 x 3	A33	801-694N	1	12.63	13.50	6.13	11.50	FAB
14 x 4	A33	801-696N	1	13.13	13.50	6.13	11.50	FAB
14 x 6	A33	801-698N	1	14.25	14.50	7.25	11.50	FAB
14 x 8	A33	801-700N	1	15.25	15.50	8.25	11.50	FAB
14 x 10	A33	801-702N	1	16.25	16.50	9.25	11.50	FAB
14 x 12	A33	801-704N	1	17.25	18.50	10.25	12.50	FAB
16 x 2	A33	801-726N	1	14.38	14.75	6.38	12.75	FAB
16 x 3	A33	801-728N	1	14.38	14.75	6.38	12.75	FAB
16 x 4	A33	801-730N	1	14.38	14.75	6.38	12.75	FAB
16 x 6	A33	801-732N	1	15.50	15.75	7.50	12.75	FAB
16 x 8	A33	801-734N	1	16.50	16.75	8.50	12.75	FAB
16 x 10	A33	801-736N	1	17.50	17.75	9.50	12.75	FAB
16 x 12	A33	801-738N	1	18.50	19.75	10.50	13.75	FAB
16 x 14	A33	801-740N	1	19.13	20.75	11.13	13.75	FAB
18 x 4	A33	801-784N	1	15.63	16.00	6.63	14.00	FAB
18 x 6	A33	801-786N	1	16.75	17.00	7.75	14.00	FAB
18 x 8	A33	801-788N	1	17.75	18.00	8.75	14.00	FAB
18 x 10	A33	801-790N	1	18.75	19.00	9.75	14.00	FAB
18 x 12	A33	801-792N	1	19.75	21.00	10.75	15.00	FAB
18 x 14	A33	801-794N	1	20.38	22.00	11.38	15.00	FAB
18 x 16	A33	801-796N	1	21.38	24.00	12.38	16.00	FAB
20 x 4	A33	801-814N	1	16.88	17.25	6.88	15.25	FAB
20 x 6	A33	801-816N	1	18.00	18.25	8.00	15.25	FAB
20 x 8	A33	801-818N	1	19.00	19.25	9.00	15.25	FAB
20 x 10	A33	801-820N	1	20.00	20.25	10.00	15.25	FAB
20 x 12	A33	801-822N	1	21.00	22.25	11.00	16.25	FAB
20 x 14	A33	801-824N	1	21.63	23.25	11.63	16.25	FAB
20 x 16	A33	801-826N	1	22.63	25.25	12.63	17.25	FAB

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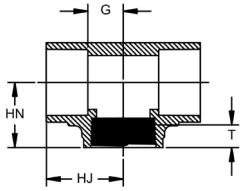


Size (inch)	P/L	Part No.	Pack Qty	HJ (inch)	HN (inch)	G (inch)	G1 (inch)	Design
20 x 18	A33	801-828N	1	23.63	27.25	13.63	18.25	FAB
24 x 4	A33	801-904N	1	19.38	19.50	7.38	17.50	FAB
24 x 6	A33	801-906N	1	20.50	20.50	8.50	17.50	FAB
24 x 8	A33	801-908N	1	21.50	21.50	9.50	17.50	FAB
24 x 10	A33	801-910N	1	22.50	22.50	10.50	17.50	FAB
24 x 12	A33	801-912N	1	23.50	24.50	11.50	18.50	FAB
24 x 14	A33	801-914N	1	24.13	25.50	12.13	18.50	FAB
24 x 16	A33	801-916N	1	25.13	27.50	13.13	19.50	FAB
24 x 18	A33	801-918N	1	26.13	30.50	14.13	20.50	FAB
24 x 20	A33	801-920N	1	27.13	32.50	15.13	20.50	FAB

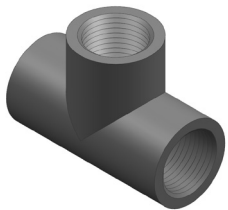
Tee (S x S x FPT) Schedule 80 Harvel[®] PVC



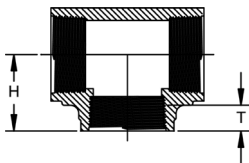
Size (inch)	P/L	Part No.	Pack Qty	HJ (inch)	HN (inch)	G (inch)	T (inch)	Design
½	608	802-005	25	1.41	1.30	0.53	0.81	HS
¾	608	802-007	25	1.60	1.37	0.60	0.71	HS
1	608	802-010	15	1.83	1.73	0.69	0.99	HS
1 ½	608	802-015	5	2.41	2.08	1.02	1.04	HS
2	608	802-020	5	2.79	2.37	1.29	1.08	HS



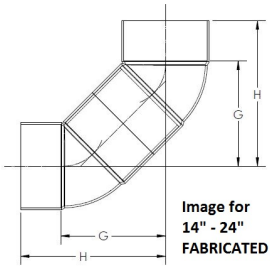
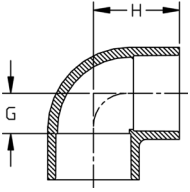
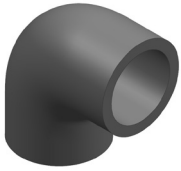
Tee (FPT x FPT x FPT) Schedule 80 Harvel[®] PVC



Size (inch)	P/L	Part No.	Pack Qty	H (inch)	T (inch)	Design
¼	608	805-002	50	0.94	0.59	HS
⅜	608	805-003	50	1.01	0.60	HS
½	608	805-005	25	1.26	0.76	HS
¾	608	805-007	25	1.36	0.72	HS
1	608	805-010	15	1.79	0.99	HS
1 ¼	608	805-012	10	1.93	1.01	HS
1 ½	608	805-015	5	2.08	1.03	HS
2	608	805-020	5	2.39	1.06	HS
2 ½	608	805-025	5	2.87	1.35	HS
3	608	805-030	5	3.52	1.65	HS
4	608	805-040	5	4.07	1.72	HS

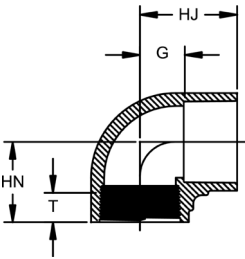
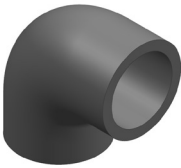


90° Ell (S x S) Schedule 80 Harvel® PVC



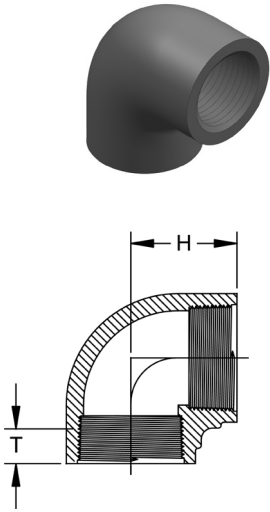
Size (inch)	P/L	Part No.	Pack Qty	H (inch)	G (inch)	Design
¼	608	806-002	50	0.96	0.35	HS
⅜	608	806-003	50	1.15	0.39	HS
½	608	806-005	25	1.41	0.51	SL
¾	608	806-007	25	1.60	0.57	SL
1	608	806-010	10	1.83	0.68	SL
1 ¼	608	806-012	10	2.18	0.90	SL
1 ½	608	806-015	10	2.43	1.04	SL
2	608	806-020	20	2.80	1.27	SL
2 ½	608	806-025	5	3.33	1.53	SL
3	608	806-030	5	3.73	1.81	SL
4	608	806-040	5	4.63	2.32	SL
6	608	806-060	2	6.56	3.53	SL
8	608	806-080	1	8.68	4.55	SL
10	602	806-100	1	10.79	5.77	SL
12	602	806-120	1	12.92	6.87	SL
14	A33	806-140N	1	26.00	19.00	FAB
16	A33	806-160N	1	29.00	21.75	FAB
18	A33	806-180N	1	33.50	24.50	FAB
20	A33	806-200N	1	37.25	27.25	FAB
24	A33	806-240N	1	44.75	31.00	FAB

90° Ell (S x FPT) Schedule 80 Harvel® PVC



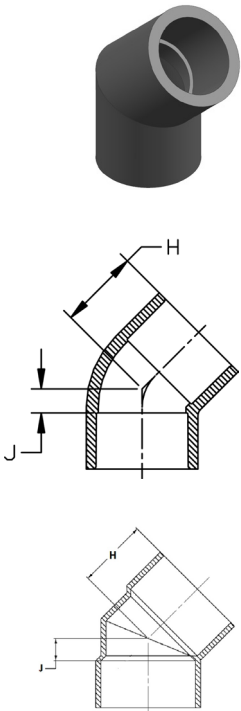
Size (inch)	P/L	Part No.	Pack Qty	HJ (inch)	HN (inch)	G (inch)	T (inch)	Design
¼	608	807-005	25	1.40	1.31	0.50	0.81	HS
⅜	608	807-007	25	1.59	1.36	0.58	0.72	HS
1	608	807-010	10	1.81	1.70	0.67	1.00	HS
1 ¼	608	807-012	10	2.15	1.92	0.90	1.03	HS
1 ½	608	807-015	10	2.39	2.05	1.01	1.05	HS
2	608	807-020	5	2.77	2.36	1.24	1.09	HS
3	608	807-030	5	3.73	3.47	1.83	1.66	HS

90° Ell (FPT x FPT) Schedule 80 Harvel® PVC



Size (inch)	P/L	Part No.	Pack Qty	H (inch)	T (inch)	Design
¼	608	808-002	50	0.94	0.61	HS
⅜	608	808-003	50	1.00	0.63	HS
½	608	808-005	25	1.27	0.78	HS
¾	608	808-007	25	1.36	0.72	HS
1	608	808-010	10	1.71	1.00	HS
1 ¼	608	808-012	10	1.92	1.01	HS
1 ½	608	808-015	10	2.08	1.06	HS
2	608	808-020	5	2.36	1.08	HS
2 ½	608	808-025	5	3.36	1.51	HS
3	608	808-030	5	3.53	1.63	HS
4	608	808-040	5	4.17	1.75	HS

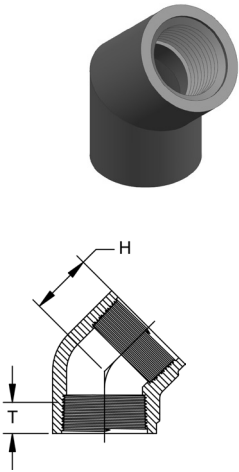
45° Ell (S x S) Schedule 80 Harvel® PVC



Size (inch)	P/L	Part No.	Pack Qty	H (inch)	J (inch)	Design
¼	608	817-002	50	0.81	0.18	HS
⅜	608	817-003	50	0.94	0.19	HS
½	608	817-005	25	1.22	0.30	SL
¾	608	817-007	20	1.29	0.28	SL
1	608	817-010	25	1.48	0.32	SL
1 ¼	608	817-012	15	1.78	0.47	SL
1 ½	608	817-015	10	1.88	0.45	SL
2	608	817-020	5	2.16	0.60	SL
2 ½	608	817-025	5	2.56	0.79	SL
3	608	817-030	5	2.67	0.77	SL
4	608	817-040	5	3.31	1.04	SL
6	608	817-060	2	4.86	1.77	SL
8	608	817-080	2	6.15	2.07	SL
10	602	817-100	1	7.51	2.46	SL
12	602	817-120	1	9.00	2.96	SL
14	A33	817-140N	1	10.25	3.50	FAB
16	A33	817-160N	1	11.75	3.75	FAB
18	A33	817-180N	1	13.25	4.25	FAB
20	A33	817-200N	1	14.75	4.75	FAB
24	A33	817-240N	1	17.75	5.75	FAB

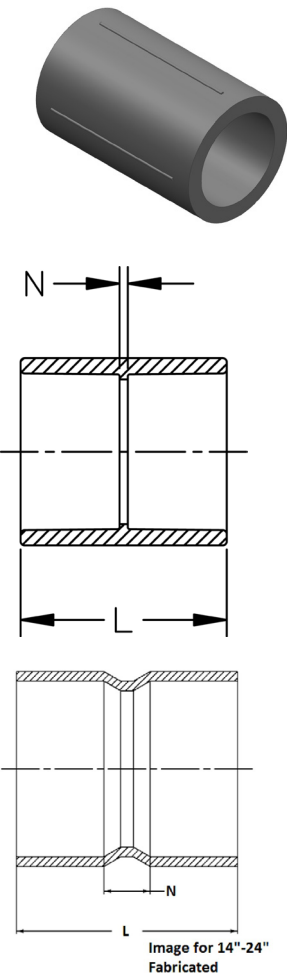
Image for 14"-24"
Fabricated

45° Ell (FPT x FPT) Schedule 80 Harvel® PVC



Size (inch)	P/L	Part No.	Pack Qty	H (inch)	T (inch)	Design
¼	608	819-002	50	0.69	0.59	HS
⅜	608	819-003	50	0.86	0.68	HS
½	608	819-005	25	1.02	0.76	SL
¾	608	819-007	20	1.14	0.81	SL
1	608	819-010	25	1.33	0.97	SL
1 ¼	608	819-012	15	1.42	1.01	SL
1 ½	608	819-015	10	1.47	1.07	SL
2	608	819-020	5	1.74	2.37	SL
3	608	819-030	5	2.43	1.66	SL
4	608	819-040	5	2.78	1.76	SL

Coupling (S x S) Schedule 80 Harvel® PVC



Size (inch)	P/L	Part No.	Pack Qty	L (inch)	N (inch)	Design
¾	608	829-003	50	1.65	0.11	HS
½	608	829-005	25	1.93	0.12	SL
¾	608	829-007	20	2.18	0.12	SL
1	608	829-010	25	2.41	0.12	SL
1 ¼	608	829-012	10	2.67	0.13	SL
1 ½	608	829-015	10	2.94	0.15	SL
2	608	829-020	20	3.18	0.13	SL
2 ½	608	829-025	5	3.77	0.19	SL
3	608	829-030	5	4.04	0.26	SL
4	608	829-040	5	4.80	0.26	SL
6	608	829-060	2	6.40	0.36	SL
8	608	829-080	2	8.40	0.35	SL
10	602	829-100	1	10.77	0.75	SL
12	602	829-120	1	12.82	0.75	SL
14	A33	829-140N	1	17.75	3.75	FAB
16	A33	829-160N	1	20.25	4.25	FAB
18	A33	829-180N	1	22.75	4.75	FAB
20	A33	829-200N	1	25.25	5.25	FAB
24	A33	829-240N	1	30.25	6.25	FAB

Reducing Coupling (S x S) Schedule 80 Harvel® PVC

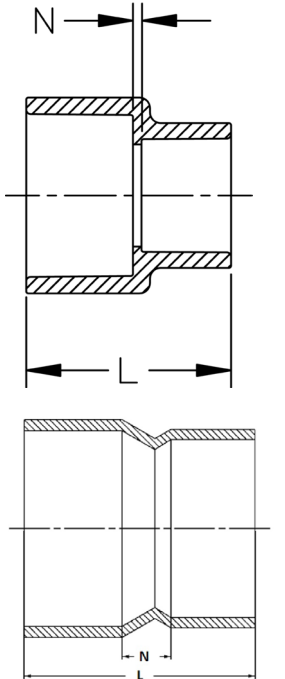
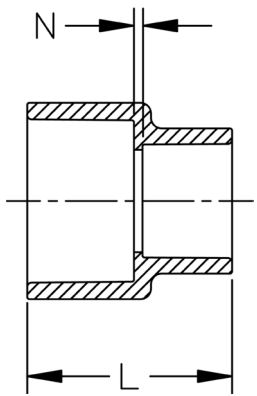


Image for 14"-24"
Fabricated

Size (inch)	P/L	Part No.	Pack Qty	L (inch)	N (inch)	Design
¾ x ½	608	829-101	20	2.13	0.13	HS
1 x ½	608	829-130	25	2.17	0.12	HS
1 x ¾	608	829-131	25	2.26	0.11	HS
1 ¼ x 1	608	829-168	10	2.52	0.10	HS
1 ½ x ½	608	829-209FB	10	2.94	0.66	BUSH
1 ½ x ¾	608	829-210	10	2.50	0.09	BUSH
1 ½ x 1	608	829-211	10	2.65	0.11	HS
1 ½ x 1 ¼	608	829-212	10	2.82	0.09	HS
2 x ½	608	829-247FB	5	3.44	0.87	BUSH
2 x ¾	608	829-248	5	3.14	0.34	HS
2 x 1	608	829-249	5	3.15	0.32	HS
2 x 1 ¼	608	829-250	5	3.05	0.14	HS
2 x 1 ½	608	829-251	5	3.06	0.07	HS
2 ½ x 1 ½	608	829-291	5	3.36	0.14	HS
2 ½ x 2	608	829-292FB	5	4.08	0.66	BUSH
3 x 1	608	829-335FB	5	4.56	1.53	BUSH
3 x 1 ¼	608	829-336FB	5	4.29	1.07	FAB
3 x 1 ½	608	829-337FB	5	4.58	1.15	BUSH
3 x 2	608	829-338	5	3.61	0.17	HS
3 x 2 ½	608	829-339FB	5	4.42	0.63	BUSH
4 x 2	608	829-420FB	5	4.94	1.08	BUSH
4 x 3	608	829-422	5	4.38	0.22	HS
6 x 2	608	829-528FB	2	10.61	4.60	BUSH
6 x 4	608	829-532	2	10.17	3.46	HS
8 x 4	608	829-582FB	2	9.81	3.53	BUSH
8 x 6	608	829-585	2	9.18	2.11	HS
10 x 4	A33	829-623N	1	17.00	10.00	FAB
10 x 6	602	829-626FB	1	11.42	3.29	BUSH
10 x 6	A33	829-626N	1	13.00	5.00	FAB
10 x 8	602	829-628FB	1	11.45	2.32	BUSH
10 x 8	A33	829-628N	1	12.75	3.75	FAB
12 x 4	A33	829-663N	1	26.25	18.25	FAB
12 x 6	A33	829-666N	1	20.50	11.50	FAB
12 x 8	602	829-668FB	1	13.54	3.41	BUSH
12 x 8	A33	829-668N	1	15.50	5.50	FAB
12 x 10	602	829-670FB	1	13.24	2.13	BUSH
12 x 10	A33	829-670N	1	15.00	4.00	FAB
14 x 4	A33	829-696N	1	21.00	3.00	FAB
14 x 6	A33	829-698N	1	31.00	21.00	FAB
14 x 8	A33	829-700N	1	21.00	10.00	FAB
14 x 10	A33	829-702N	1	17.00	5.00	FAB
14 x 12	A33	829-704N	1	16.50	3.50	FAB
16 x 4	A33	829-730N	1	16.50	3.50	FAB
16 x 6	A33	829-732N	1	16.50	4.50	FAB
16 x 8	A33	829-734N	1	18.05	5.00	FAB
16 x 10	A33	829-736N	1	19.50	6.50	FAB
16 x 12	A33	829-738N	1	19.25	5.25	FAB
16 x 14	A33	829-740N	1	19.50	4.50	FAB
18 x 4	A33	829-784N	1	48.50	37.50	FAB
18 x 6	A33	829-786N	1	36.00	24.00	FAB
18 x 8	A33	829-788N	1	42.50	29.50	FAB
18 x 10	A33	829-790N	1	33.50	19.50	FAB
18 x 12	A33	829-792N	1	22.00	7.00	FAB
18 x 14	A33	829-794N	1	22.25	6.25	FAB
18 x 16	A33	829-796N	1	21.75	4.75	FAB
20 x 4	A33	829-814N	1	60.50	48.50	FAB
20 x 6	A33	829-816N	1	55.50	42.50	FAB
20 x 8	A33	829-818N	1	56.25	42.25	FAB
20 x 10	A33	829-820N	1	47.25	32.25	FAB
20 x 12	A33	829-822N	1	37.00	21.00	FAB

table continued on the next page



Size (inch)	P/L	Part No.	Pack Qty	L (inch)	N (inch)	Design
20 x 14	A33	829-824N	1	37.25	20.25	FAB
20 x 16	A33	829-826N	1	24.50	6.50	FAB
20 x 18	A33	829-828N	1	25.25	6.25	FAB
24 x 4	A33	829-904N	1	66.00	52.00	FAB
24 x 6	A33	829-906N	1	61.00	46.00	FAB
24 x 8	A33	829-908N	1	52.00	36.00	FAB
24 x 10	A33	829-910N	1	52.75	35.75	FAB
24 x 12	A33	829-912N	1	42.50	24.50	FAB
24 x 14	A33	829-914N	1	42.75	23.75	FAB
24 x 16	A33	829-916N	1	42.25	22.25	FAB
24 x 18	A33	829-918N	1	29.50	8.50	FAB
24 x 20	A33	829-920N	1	29.25	7.25	FAB

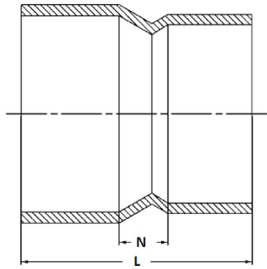
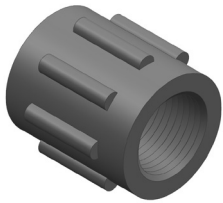
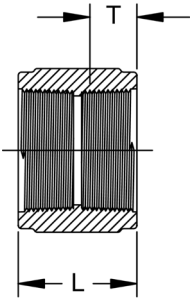


Image for 14"-24"
Fabricated

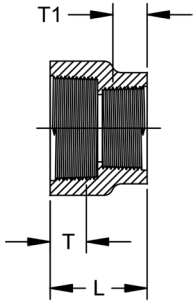
Coupling (FPT x FPT) Schedule 80 Harvel® PVC



Size (inch)	P/L	Part No.	Pack Qty	L (inch)	T (inch)	Design
¼	608	830-002	50	1.29	0.61	HS
¾	608	830-003	50	1.35	0.62	HS
½	608	830-005	25	1.68	0.77	SL
¾	608	830-007	20	1.75	0.80	SL
1	608	830-010	25	2.13	0.99	SL
1 ¼	608	830-012	10	2.19	1.03	SL
1 ½	608	830-015	10	2.22	1.03	SL
2	608	830-020	5	2.29	1.08	SL
2 ½	608	830-025	5	3.33	1.51	SL
3	608	830-030	5	3.53	1.65	SL
4	608	830-040	5	3.76	1.75	SL

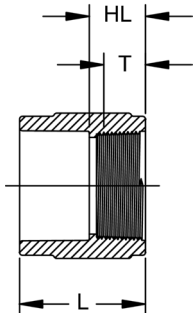


Reducing Coupling (FPT x FPT) Schedule 80 Harvel® PVC



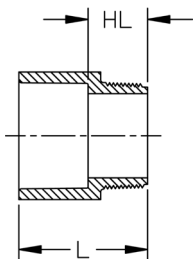
Size (inch)	P/L	Part No.	Pack Qty	L (inch)	T (inch)	T1 (inch)	Design
3/8 x 1/4	608	830-052	50	1.29	0.60	0.59	HS
1/2 x 1/4	608	830-072	50	1.44	0.75	0.59	HS
1/2 x 3/8	608	830-073	50	1.46	0.74	0.60	HS
3/4 x 1/2	608	830-101	25	1.68	0.78	0.78	HS
1 x 1/2	608	830-130	25	1.84	0.98	0.77	HS
1 x 3/4	608	830-131	25	1.88	0.98	0.80	HS
1 1/4 x 3/4	608	830-167	25	1.90	1.00	0.79	HS
1 1/2 x 1	608	830-211	20	2.06	1.02	0.95	HS
2 x 1 1/2	608	830-251	10	2.18	1.05	1.02	HS

Female Adapter (S x FPT) Schedule 80 Harvel® PVC



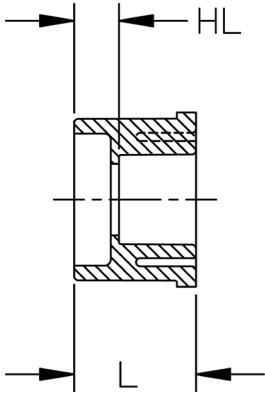
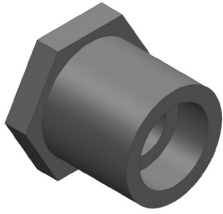
Size (inch)	P/L	Part No.	Pack Qty	HL (inch)	L (inch)	T (inch)	Design
1/4	608	835-002	50	0.75	1.43	0.58	HS
3/8	608	835-003	50	0.75	1.56	0.62	HS
1/2	608	835-005	25	0.91	1.80	0.75	HS
3/4	608	835-007	25	0.95	1.96	0.79	HS
1	608	835-010	25	1.11	2.27	0.98	HS
1 1/4	608	835-012	10	1.18	2.44	1.02	HS
1 1/2	608	835-015	10	1.19	2.59	1.03	HS
2	608	835-020	5	1.25	2.76	1.06	HS
2 1/2	608	835-025	5	1.77	3.53	1.51	HS
3	608	835-030	5	1.91	3.80	1.65	HS
4	608	835-040	5	2.02	4.29	1.74	HS
6	608	835-060	2	3.27	6.37	2.37	SL
8	608	835-080	2	4.35	8.36	2.35	HS
10	602	835-100	2	5.68	10.78	2.68	HS
12	A33	835-120N	1	6.00	11.13	2.13	FAB

Male Adapter (S x MPT) Schedule 80 Harvel® PVC



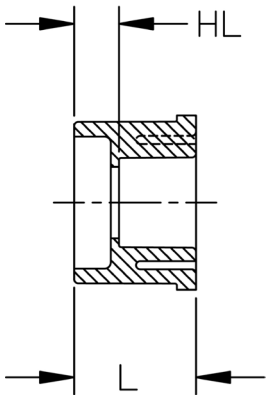
Size (inch)	P/L	Part No.	Pack Qty	HL (inch)	L (inch)	Design
1/2	608	836-005	50	0.94	1.85	SL
3/4	608	836-007	25	1.05	2.03	HS
1	608	836-010	25	1.22	2.38	HS
1 1/4	608	836-012	15	1.28	2.56	HS
1 1/2	608	836-015	10	1.30	2.69	HS
2	608	836-020	5	1.32	2.83	HS
2 1/2	608	836-025	5	1.87	3.70	HS
3	608	836-030	5	1.99	3.90	HS
4	608	836-040	5	2.15	4.40	HS
6	A33	836-060N	1	3.25	6.25	FAB
8	A33	836-080N	1	3.50	7.50	FAB
10	A33	836-100N	1	4.18	9.18	FAB
12	A33	836-120N	1	4.63	10.63	FAB

Flush Style Reducer Bushing (SPG x S) Schedule 80 Harvel® PVC



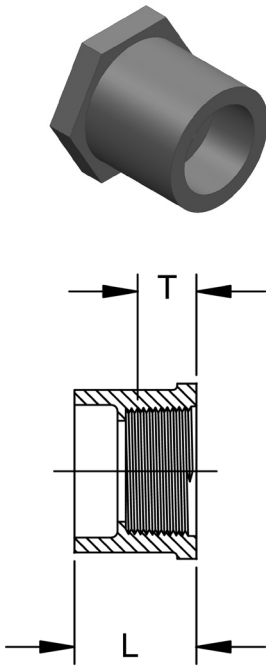
Size (inch)	P/L	Part No.	Pack Qty	HL (inch)	L (inch)	Design
½ x ¼	608	837-072	50	0.47	1.15	FLUSH
½ x ⅜	608	837-073	50	0.33	1.09	FLUSH
¾ x ½	608	837-101	50	0.42	1.30	FLUSH
1 x ½	608	837-130	50	0.55	1.44	FLUSH
1 x ¾	608	837-131	50	0.41	1.43	FLUSH
1 ¼ x ½	608	837-166	25	0.66	1.55	FLUSH
1 ¼ x ¾	608	837-167	25	0.56	1.57	FLUSH
1 ¼ x 1	608	837-168	25	0.44	1.59	FLUSH
1 ½ x ½	608	837-209	25	0.78	1.69	FLUSH
1 ½ x ¾	608	837-210	25	0.67	1.68	FLUSH
1 ½ x 1	608	837-211	25	0.55	1.69	FLUSH
1 ½ x 1 ¼	608	837-212	25	0.44	1.72	FLUSH
2 x ½	608	837-247	10	0.91	1.81	FLUSH
2 x ¾	608	837-248	10	0.79	1.82	FLUSH
2 x 1	608	837-249	10	0.68	1.83	FLUSH
2 x 1 ¼	608	837-250	10	0.54	1.81	FLUSH
2 x 1 ½	608	837-251	10	0.40	1.81	FLUSH
2 ½ x 1 ½	608	837-291	5	0.79	2.31	FLUSH
2 ½ x 2	608	837-292	5	0.47	2.10	FLUSH
3 x 1	608	837-335	5	1.27	2.42	FLUSH
3 x 1 ¼	608	837-336FB	5	1.43	2.71	BUSH
3 x 1 ½	608	837-337	5	0.89	2.43	FLUSH
3 x 2	608	837-338	5	0.86	2.42	FLUSH
3 x 2 ½	608	837-339	5	0.38	2.27	FLUSH
4 x 2	608	837-420	5	1.14	2.70	FLUSH
4 x 3	608	837-422	5	0.77	2.74	FLUSH
6 x 3	608	837-530	2	1.74	3.65	FLUSH
6 x 4	608	837-532	2	1.42	3.67	FLUSH
8 x 6	608	837-585	2	1.69	4.66	FLUSH
10 x 4	602	837-623FB	1	4.01	6.26	BUSH
10 x 6	602	837-626	1	2.59	5.69	FLUSH
10 x 8	602	837-628	1	1.62	5.72	FLUSH
12 x 6	602	837-666FB	1	4.26	7.35	BUSH
12 x 8	602	837-668	1	2.66	6.76	FLUSH
12 x 10	602	837-670	1	1.66	6.77	FLUSH
14 x 4	A33	837-696N	1	5.50	7.50	FAB
14 x 6	A33	837-698N	1	4.50	7.50	FAB
14 x 8	A33	837-700N	1	3.50	7.50	FAB
14 x 10	A33	837-702N	1	2.50	7.50	FAB
14 x 12	A33	837-704N	1	1.50	7.50	FAB
16 x 4	A33	837-730N	1	6.50	8.50	FAB
16 x 6	A33	837-732N	1	5.50	8.50	FAB
16 x 8	A33	837-734N	1	4.50	8.50	FAB
16 x 10	A33	837-736N	1	3.50	8.50	FAB
16 x 12	A33	837-738N	1	2.50	8.50	FAB
16 x 14	A33	837-740N	1	1.50	8.50	FAB
18 x 4	A33	837-784N	1	7.50	9.50	FAB
18 x 6	A33	837-786N	1	6.50	9.50	FAB
18 x 8	A33	837-788N	1	5.50	9.50	FAB
18 x 10	A33	837-790N	1	4.50	9.50	FAB
18 x 12	A33	837-792N	1	3.50	9.50	FAB
18 x 14	A33	837-794N	1	2.50	9.50	FAB
18 x 16	A33	837-796N	1	1.50	9.50	FAB
20 x 4	A33	837-814N	1	8.50	10.50	FAB
20 x 6	A33	837-816N	1	7.50	10.50	FAB
20 x 8	A33	837-818N	1	6.50	10.50	FAB
20 x 10	A33	837-820N	1	5.50	10.50	FAB
20 x 12	A33	837-822N	1	4.50	10.50	FAB
20 x 14	A33	837-824N	1	3.50	10.50	FAB
20 x 16	A33	837-826N	1	2.50	10.50	FAB

table continued on the next page



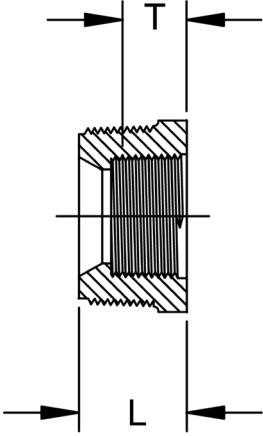
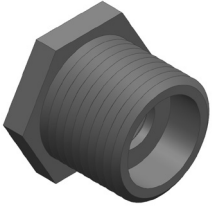
Size (inch)	P/L	Part No.	Pack Qty	HL (inch)	L (inch)	Design
20 x 18	A33	837-828N	1	1.50	10.50	FAB
24 x 4	A33	837-904N	1	10.50	12.50	FAB
24 x 6	A33	837-906N	1	9.50	12.50	FAB
24 x 8	A33	837-908N	1	8.50	12.50	FAB
24 x 10	A33	837-910N	1	7.50	12.50	FAB
24 x 12	A33	837-912N	1	6.50	12.50	FAB
24 x 14	A33	837-914N	1	5.50	12.50	FAB
24 x 16	A33	837-916N	1	4.50	12.50	FAB
24 x 18	A33	837-918N	1	3.50	12.50	FAB
24 x 20	A33	837-920N	1	2.50	12.50	FAB

Flush Style Reducer Bushing (SPG x FPT) Schedule 80 Harvel® PVC



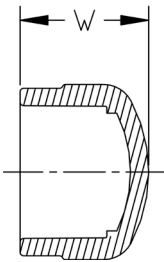
Size (inch)	P/L	Part No.	Pack Qty	L (inch)	T (inch)	Design
3/8 x 1/4	608	838-052E	50	1.59	0.60	Extended
1/2 x 1/4	608	838-072	50	1.14	0.61	FLUSH
1/2 x 3/8	608	838-073	50	1.21	0.60	FLUSH
3/4 x 1/4	608	838-098	50	1.13	0.61	FLUSH
3/4 x 1/2	608	838-101	50	1.28	0.77	FLUSH
1 x 1/2	608	838-130	50	1.42	0.76	FLUSH
1 x 3/4	608	838-131	50	1.41	0.81	FLUSH
1 1/4 x 1/2	608	838-166	15	1.56	0.75	FLUSH
1 1/4 x 3/4	608	838-167	15	1.56	0.79	FLUSH
1 1/4 x 1	608	838-168	15	1.56	0.99	FLUSH
1 1/2 x 1/2	608	838-209	15	1.68	0.76	FLUSH
1 1/2 x 3/4	608	838-210	15	1.69	0.79	FLUSH
1 1/2 x 1	608	838-211	15	1.68	0.99	FLUSH
1 1/2 x 1 1/4	608	838-212	15	1.69	1.10	FLUSH
2 x 1/2	608	838-247	10	1.80	0.77	FLUSH
2 x 3/4	608	838-248	10	1.80	0.80	FLUSH
2 x 1	608	838-249	10	1.80	0.99	FLUSH
2 x 1 1/4	608	838-250	10	1.81	1.02	FLUSH
2 x 1 1/2	608	838-251	10	1.88	1.04	FLUSH
2 1/2 x 1 1/2	608	838-291	5	2.24	1.07	FLUSH
2 1/2 x 2	608	838-292	5	2.12	1.10	FLUSH
3 x 2	608	838-338	5	2.42	1.07	FLUSH
3 x 2 1/2	608	838-339	5	2.25	1.61	FLUSH
4 x 2	608	838-420	5	2.71	1.10	FLUSH
4 x 3	608	838-422	5	2.75	1.62	FLUSH

Flush Style Reducer Bushing (MPT x FPT) Schedule 80 Harvel® PVC



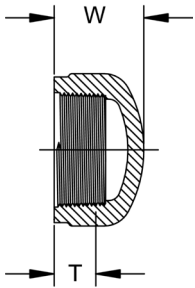
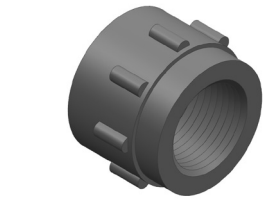
Size (inch)	P/L	Part No.	Pack Qty	L (inch)	T (inch)	Style
3/8 x 1/4	608	839-052	50	0.80	0.60	FLUSH
1/2 x 1/4	608	839-072	50	0.95	0.60	FLUSH
1/2 x 3/8	608	839-073	50	0.96	0.61	FLUSH
3/4 x 1/4	608	839-098	50	1.01	0.61	FLUSH
3/4 x 3/8	608	839-099	50	1.02	0.61	FLUSH
3/4 x 1/2	608	839-101	50	1.08	0.75	FLUSH
1 x 1/4	608	839-128	25	1.23	0.58	FLUSH
1 x 1/2	608	839-130	25	1.24	0.76	FLUSH
1 x 3/4	608	839-131	25	1.28	0.80	FLUSH
1 1/4 x 1/2	608	839-166	25	1.29	0.76	FLUSH
1 1/4 x 3/4	608	839-167	25	1.29	0.79	FLUSH
1 1/4 x 1	608	839-168	25	1.30	1.00	FLUSH
1 1/2 x 3/4	608	839-210	25	1.33	0.78	FLUSH
1 1/2 x 1	608	839-211	25	1.34	0.98	FLUSH
1 1/2 x 1 1/4	608	839-212	25	1.33	1.02	FLUSH
2 x 1/2	608	839-247	10	1.44	0.76	FLUSH
2 x 3/4	608	839-248	10	1.44	0.80	FLUSH
2 x 1	608	839-249	10	1.42	0.97	FLUSH
2 x 1 1/4	608	839-250	10	1.43	1.01	FLUSH
2 x 1 1/2	608	839-251	10	1.35	1.02	FLUSH
3 x 2	608	839-338	5	2.02	1.09	FLUSH
4 x 2	608	839-420	5	2.07	1.10	FLUSH
4 x 3	608	839-422	5	2.06	1.60	FLUSH

Cap (S) Schedule 80 Harvel® PVC



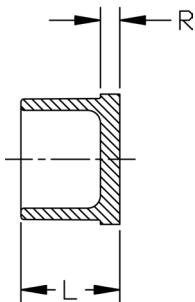
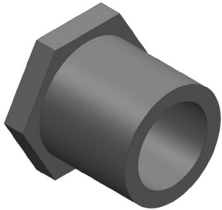
Size (inch)	P/L	Part No.	Pack Qty	W (inch)	Design
1/4	608	847-002	50	0.96	HS
3/8	608	847-003	50	1.11	HS
1/2	608	847-005	50	1.30	HS
3/4	608	847-007	50	1.46	HS
1	608	847-010	25	1.66	HS
1 1/4	608	847-012	15	1.89	HS
1 1/2	608	847-015	10	2.08	HS
2	608	847-020	5	2.32	HS
2 1/2	608	847-025	5	2.61	HS
3	608	847-030	5	3.06	HS
4	608	847-040	5	3.69	HS
6	608	847-060	2	4.86	HS
8	608	847-080	2	6.25	SL
10	602	847-100	1	7.92	SL
12	602	847-120	1	9.37	SL
14	A33	847-140N	1	5.75	FAB
16	A33	847-160N	1	7.00	FAB
18	A33	847-180N	1	8.25	FAB
20	A33	847-200N	1	8.75	FAB
24	A33	847-240N	1	10.25	FAB

Cap (FPT) Schedule 80 Harvel® PVC



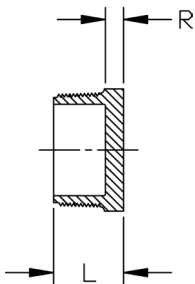
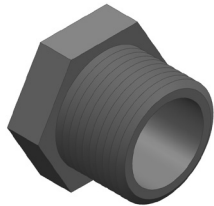
Size (inch)	P/L	Part No.	Pack Qty	W (inch)	T (inch)	Design
¼	608	848-002	50	0.93	0.54	HS
⅜	608	848-003	50	0.94	0.62	HS
½	608	848-005	50	1.14	0.74	HS
¾	608	848-007	25	1.25	0.80	HS
1	608	848-010	25	1.51	0.97	HS
1 ¼	608	848-012	15	1.59	1.00	HS
1 ½	608	848-015	10	1.70	1.01	HS
2	608	848-020	5	1.82	1.06	HS
2 ½	608	848-025	5	2.61	1.45	HS
3	608	848-030	5	2.80	1.83	HS
4	608	848-040	5	3.16	1.80	HS

Plug (SPG) Schedule 80 Harvel® PVC



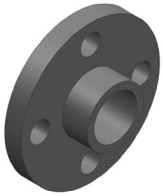
Size (inch)	P/L	Part No.	Pack Qty	L (inch)	R (inch)
½	608	849-005	50	1.08	0.18
¾	608	849-007	50	1.25	0.22
1	608	849-010	25	1.41	0.25
1 ½	608	849-015	20	1.72	0.31
2	608	849-020	10	1.90	0.38
4	608	849-040	5	2.65	0.39

Plug (MPT) Schedule 80 Harvel® PVC



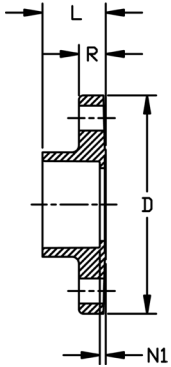
Size (inch)	P/L	Part No.	Pack Qty	L (inch)	R (inch)	Design
¼	608	850-002	50	0.81	0.22	HS
⅜	608	850-003	50	0.83	0.22	HS
½	608	850-005	50	0.98	0.22	HS
¾	608	850-007	50	1.06	0.25	HS
1	608	850-010	25	1.24	0.27	HS
1 ¼	608	850-012	25	1.33	0.31	HS
1 ½	608	850-015	20	1.38	0.34	HS
2	608	850-020	10	1.47	0.39	HS
2 ½	608	850-025	10	1.95	0.38	HS
3	608	850-030	5	1.98	0.38	HS
4	608	850-040	5	2.16	0.39	HS
6	A33	850-060N	1	2.00	0.75	FAB
8	A33	850-080N	1	2.00	0.75	FAB
10	A33	850-100N	1	2.00	0.75	FAB
12	A33	850-120N	1	2.00	0.75	FAB

Flange - One Piece (S) Schedule 80 Harvel® PVC

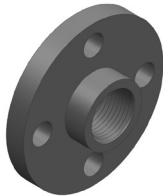


- ANSI 150 Class according to ANSI B16.5
- 150 psi @ 73°F (10.3 bar @ 22.7°C)
- HC = Honeycomb (Face)

Size (inch)	P/L	Part No.	Pack Qty	# holes	Bolt Dia. (inch)	bolt cir. dia. (inch)	D (inch)	L (inch)	N1 (inch)	R (inch)	Design
½	608	851-005	5	4	½	2.38	3.50	1.02	0.13	0.39	HC
¾	608	851-007	5	4	½	2.75	3.89	1.14	0.13	0.45	HC
1	608	851-010	5	4	½	3.13	4.28	1.30	0.16	0.52	HC
1 ¼	608	851-012	5	4	½	3.50	4.64	1.45	0.14	0.59	HC
1 ½	608	851-015	5	4	½	3.88	5.01	1.54	0.16	0.68	HC
2	608	851-020	5	4	¾	4.75	6.01	1.73	0.16	0.69	HC
2 ½	608	851-025	5	4	¾	5.50	7.00	1.99	0.17	0.75	HC
3	608	851-030	5	4	¾	6.00	7.51	2.46	0.57	1.10	HC
4	608	851-040	5	8	¾	7.50	9.04	2.79	0.52	1.19	HC
6	608	851-060	2	8	¾	9.50	11.13	3.88	0.36	1.38	HC
8	608	851-080	2	8	¾	11.75	13.54	4.90	0.42	1.45	HC

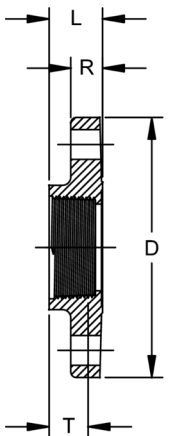


Flange - One Piece (FPT) Schedule 80 Harvel® PVC

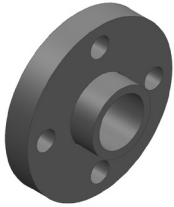


- ANSI 150 Class according to ANSI B16.5
- 150 psi @ 73°F (10.3 bar @ 22.7°C)
- HC = Honeycomb (Face)

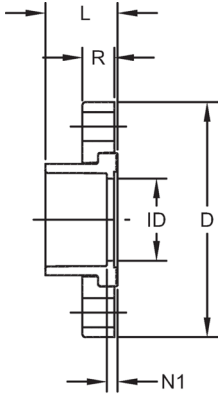
Size (inch)	P/L	Part No.	Pack Qty	# holes	Bolt Dia. (inch)	bolt cir. dia. (inch)	D (inch)	L (inch)	T (inch)	R (inch)	Design
½	608	852-005	5	4	½	2.38	3.51	0.89	0.77	0.39	HC
¾	608	852-007	5	4	½	2.75	3.89	0.91	0.79	0.45	HC
1	608	852-010	5	4	½	3.13	4.28	1.13	1.00	0.53	HC
1 ¼	608	852-012	5	4	½	3.50	4.62	1.20	1.06	0.58	HC
1 ½	608	852-015	5	4	½	3.88	4.99	1.19	1.03	0.68	HC
2	608	852-020	5	4	¾	4.75	6.02	1.22	1.06	0.70	HC
2 ½	608	852-025	5	4	¾	5.50	7.00	1.72	1.53	0.75	HC
3	608	852-030	5	4	¾	6.00	7.50	2.15	1.63	1.15	HC
4	608	852-040	5	8	¾	7.50	9.00	2.30	1.77	1.23	HC



Flange - Van Stone (S) Schedule 80 Harvel® PVC

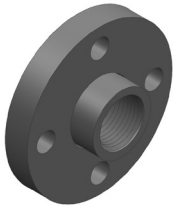


- ANSI 150 Class according to ANSI B16.5
- 1/2" - 12" pressure rating is 150 psi @ 73°F (10.3 bar @ 22.7°C)
- 14" - 24" pressure rating is 100 psi @ 73°F (6.9 bar @ 22.7°C) - Steel Ring
- HC = Honeycomb (Face)

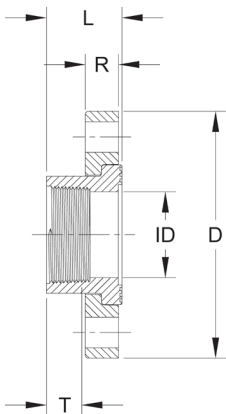


Size (inch)	P/L	Part No.	Pack Qty	# holes	Bolt Dia. (inch)	bolt cir. dia. (inch)	D (inch)	L (inch)	N1 (inch)	R (inch)	ID (inch)	Design
1/2	608	854-005	5	4	1/2	2.38	3.53	1.10	0.18	0.57	0.60	HC
3/4	608	854-007	5	4	1/2	2.75	3.87	1.23	0.18	0.59	0.82	HC
1	608	854-010	5	4	1/2	3.13	4.25	1.38	0.20	0.66	1.03	HC
1 1/4	608	854-012	5	4	1/2	3.50	4.62	1.52	0.21	0.69	1.36	HC
1 1/2	608	854-015	5	4	1/2	3.88	5.01	1.68	0.25	0.75	1.60	HC
2	608	854-020	5	4	5/8	4.75	6.02	1.84	0.29	0.82	2.06	HC
2 1/2	608	854-025	5	4	5/8	5.50	7.01	2.15	0.33	0.98	2.49	HC
3	608	854-030	5	4	5/8	6.00	7.50	2.33	0.39	1.02	3.09	HC
4	608	854-040	5	8	5/8	7.50	8.99	2.75	0.24	1.10	4.06	HC
6	608	854-060	2	8	3/4	9.50	10.98	3.55	0.48	1.25	6.11	HC
8	608	854-080	2	8	3/4	11.75	13.51	4.60	0.51	1.71	8.00	HC
10	602	854-100	2	12	7/8	14.25	15.97	5.66	0.53	1.73	10.10	HC
12	602	854-120	2	12	7/8	17.00	18.95	6.71	0.57	1.72	11.96	HC
14	A33	854-140N	1	12	1	18.75	21.00	11.75	4.75	0.50	12.50	FAB
16	A33	854-160N	1	16	1	21.25	23.50	13.50	5.50	0.50	14.31	FAB
18	A33	854-180N	1	16	1 1/8	22.75	25.00	14.50	5.50	0.50	16.13	FAB
20	A33	854-200N	1	20	1 1/8	25.00	27.50	17.25	7.25	0.50	18.00	FAB
24	A33	854-240N	1	20	1 1/4	29.50	32.00	19.50	7.50	0.50	21.56	FAB

Flange - Van Stone (FPT) Schedule 80 Harvel® PVC

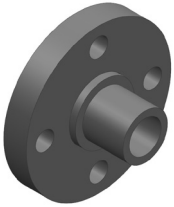


- ANSI 150 Class according to ANSI B16.5
- 150 psi @ 73°F (10.3 bar @ 22.7°C)
- HC = Honeycomb (Face)

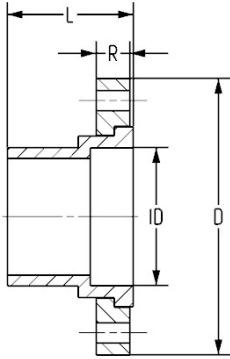


Size (inch)	P/L	Part No.	Pack Qty	# holes	Bolt Dia. (inch)	bolt cir. dia. (inch)	D (inch)	L (inch)	T (inch)	R (inch)	ID (inch)	Design
1/2	608	855-005	5	4	1/2	2.38	3.53	1.10	0.79	0.57	0.63	HC
3/4	608	855-007	5	4	1/2	2.75	3.87	1.23	0.82	0.59	0.83	HC
1	608	855-010	5	4	1/2	3.13	4.25	1.39	1.01	0.66	1.06	HC
1 1/4	608	855-012	5	4	1/2	3.50	4.62	1.50	1.02	0.69	1.38	HC
1 1/2	608	855-015	5	4	1/2	3.88	5.01	1.67	1.06	0.75	1.61	HC
2	608	855-020	5	4	5/8	4.75	6.02	1.82	1.09	0.82	2.08	HC
2 1/2	608	855-025	5	4	5/8	5.50	7.01	2.13	1.58	0.98	2.50	HC
3	608	855-030	5	4	5/8	6.00	7.50	2.36	1.71	1.02	3.08	HC
4	608	855-040	5	8	5/8	7.50	8.99	2.78	1.72	1.10	4.09	HC

Flange - Van Stone (SPG) Schedule 80 Harvel® PVC

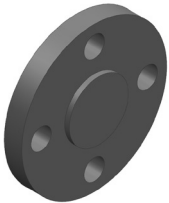


- ANSI 150 Class according to ANSI B16.5
 - 1/2" - 12" pressure rating is 150 psi @ 73°F (10.3 bar @ 22.7°C)
 - 14" - 24" pressure rating is 100 psi @ 73°F (6.9 bar @ 22.7°C) - Steel Ring
- HC = Honeycomb (Face)

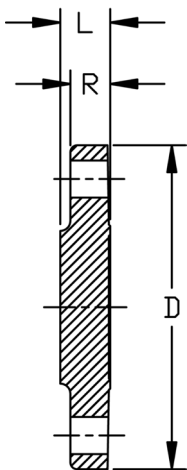


Size (inch)	P/L	Part No.	Pack Qty	# holes	Bolt Dia. (inch)	bolt cir. dia. (inch)	D (inch)	L (inch)	R (inch)	ID (inch)	Design
1/2	608	856-005	5	4	1/2	2.38	3.53	1.72	0.57	0.84	HC
3/4	608	856-007	5	4	1/2	2.75	3.87	1.85	0.59	1.05	HC
1	608	856-010	5	4	1/2	3.13	4.25	2.10	0.66	1.32	HC
1 1/4	608	856-012	5	4	1/2	3.50	4.62	2.28	0.69	1.66	HC
1 1/2	608	856-015	5	4	1/2	3.88	5.01	2.48	0.75	1.90	HC
2	608	856-020	5	4	3/4	4.75	6.02	2.80	0.82	2.38	HC
2 1/2	608	856-025	5	4	3/4	5.50	7.01	3.27	0.98	2.86	HC
3	608	856-030	5	4	3/4	6.00	7.50	3.60	1.02	3.49	HC
4	608	856-040	5	8	3/4	7.50	8.99	4.10	1.10	4.49	HC
6	608	856-060	2	8	3/4	9.50	10.98	5.10	1.25	6.60	HC
8	608	856-080	1	8	3/4	11.75	13.51	6.88	1.71	8.62	HC
10	602	856-100	1	12	7/8	14.25	15.97	8.30	1.73	10.70	HC
12	602	856-120	1	12	7/8	17.00	18.95	9.55	1.72	12.69	HC
14	A33	856-140N	1	12	1	18.75	21.00	13.00	0.50	11.41	FAB
16	A33	856-160N	1	16	1	21.25	23.50	14.00	0.50	13.08	FAB
18	A33	856-180N	1	16	1 1/4	22.75	25.00	16.00	0.50	14.76	FAB
20	A33	856-200N	1	20	1 1/4	25.00	27.50	18.00	0.50	16.43	FAB
24	A33	856-240N	1	20	1 1/4	29.50	32.00	20.00	0.50	19.79	FAB

Flange (Blind) Schedule 80 Harvel® PVC

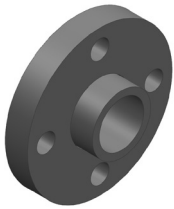


- ANSI 150 Class according to ANSI B16.5
 - 1/2" - 8" 150 psi @ 73°F (10.3 bar @ 22.7°C)
 - 10" - 24" 50 psi @ 73°F (3.5 bar @ 22.7°C)
- HC = Honeycomb (Face)

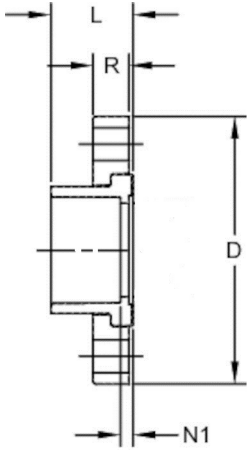


Size (inch)	P/L	Part No.	Pack Qty	# holes	Bolt Dia. (inch)	bolt cir. dia. (inch)	D (inch)	L (inch)	R (inch)	Design
1/2	608	853-005	5	4	1/2	2.38	3.51	0.48	0.39	HC
3/4	608	853-007	5	4	1/2	2.75	3.90	0.55	0.45	HC
1	608	853-010	5	4	1/2	3.13	4.29	0.66	0.53	HC
1 1/4	608	853-012	5	4	1/2	3.50	4.62	0.73	0.59	HC
1 1/2	608	853-015	5	4	1/2	3.88	5.01	0.81	0.68	HC
2	608	853-020	5	4	3/4	4.75	6.02	0.90	0.70	HC
2 1/2	608	853-025	5	4	3/4	5.50	7.00	0.97	0.76	HC
3	608	853-030	5	4	3/4	6.00	7.45	1.03	1.03	HC
4	608	853-040	5	8	3/4	7.50	8.96	1.14	1.14	HC
6	608	853-060	2	8	3/4	9.50	10.95	1.51	1.27	HC
8	608	853-080	2	8	3/4	11.75	13.51	1.62	1.45	HC
10	A33	853-100N	1	12	7/8	14.25	16.00	1.00	1.00	SOLID
12	A33	853-120N	1	12	7/8	17.00	19.00	1.00	1.00	SOLID
14	A33	853-140N	1	12	1	18.75	21.00	1.00	1.00	SOLID
16	A33	853-160N	1	16	1	21.25	23.50	1.00	1.00	SOLID
18	A33	853-180N	1	16	1 1/4	22.75	25.00	1.00	1.00	SOLID
20	A33	853-200N	1	20	1 1/4	25.00	27.50	1.00	1.00	SOLID
24	A33	853-240N	1	20	1 1/4	29.50	32.00	1.00	1.00	SOLID

Flange - Van Stone 300 (S) Schedule 80 Harvel® PVC



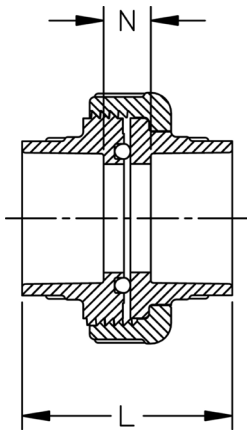
- ANSI 300 Class according to ANSI B16.5
- 150 psi @ 73°F (10.3 bar @ 22.7°C)



Size (inch)	P/L	Part No.	Pack Qty	# holes	Bolt Dia. (inch)	bolt cir. dia. (inch)	D (inch)	L (inch)	N1 (inch)	R (inch)	Design
½	608	854-005-300	5	4	½	2.63	3.75	1.03	0.11	0.57	FAB
¾	608	854-007-300	5	4	¾	3.25	4.63	1.15	0.13	0.59	FAB
1	608	854-010-300	5	4	¾	3.50	4.88	1.38	0.11	0.66	FAB
1 ¼	608	854-012-300	5	4	¾	3.88	5.25	1.45	0.14	0.69	FAB
1 ½	608	854-015-300	5	4	¾	4.50	6.13	1.59	0.15	0.75	FAB
2	608	854-020-300	5	8	¾	5.00	6.50	1.76	0.20	0.82	FAB
2 ½	608	854-025-300	5	8	¾	5.88	7.50	2.05	0.22	0.98	FAB
3	608	854-030-300	5	8	¾	6.63	8.25	2.25	0.30	1.02	FAB
4	608	854-040-300	5	8	¾	7.88	10.00	2.65	0.34	1.10	FAB
6	608	854-060-300	2	12	¾	10.63	12.50	3.45	0.35	1.25	FAB
8	608	854-080-300	2	12	¾	13.00	15.00	4.50	0.40	1.71	FAB
10	602	854-100-300	2	16	1	15.25	17.50	5.63	0.50	1.73	FAB
12	602	854-120-300	2	16	1 ½	17.75	20.50	6.69	0.56	1.72	FAB

Union Type 375 (S x S) Schedule 80 Harvel® PVC

235 psi @ 73°F (16.2 bar @ 22.7°C)



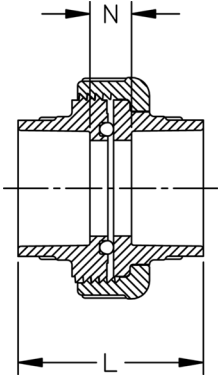
Size (inch)	P/L	EPDM Part No.	FKM Part No.	Pack Qty	L (inch)	N (inch)
½	608	897-375-005	857-375-005	5	2.56	0.78
¾	608	897-375-007	857-375-007	5	2.80	0.76
1	608	897-375-010	857-375-010	5	3.22	0.89
1 ¼	608	897-375-012	857-375-012	5	3.56	0.99
1 ½	608	897-375-015	857-375-015	5	3.76	0.92
2	608	897-375-020	857-375-020	2	4.18	1.11



Union (S x S) Schedule 80 Harvel® PVC

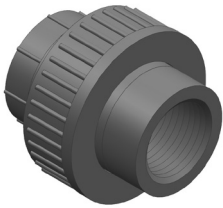
150 psi @ 73°F (10.3 bar @ 22.7°C)

Size (inch)	P/L	EPDM Part No.	FKM Part No.	Pack Qty	L (inch)	N (inch)
3	608	897-030	857-030	1	4.74	0.96
4	608	897-040	857-040	1	5.62	1.11

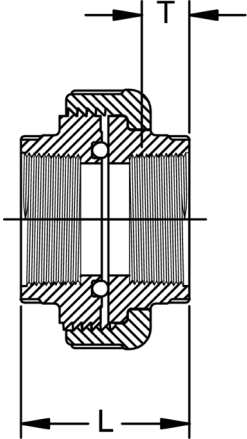


Union Type 375 (FPT X FPT) Schedule 80 Harvel® PVC

• 235 psi @ 73°F (16.2 bar @ 22.7°C)



Size (inch)	P/L	EPDM Part No.	FKM Part No.	Pack Qty	L (inch)	T (inch)
½	608	898-375-005	858-375-005	5	2.06	0.75
¾	608	898-375-007	858-375-007	5	2.11	0.79
1	608	898-375-010	858-375-010	5	2.60	1.01
1 ¼	608	898-375-012	858-375-012	5	2.80	1.06
1 ½	608	898-375-015	858-375-015	5	2.76	1.06
2	608	898-375-020	858-375-020	2	2.93	1.09

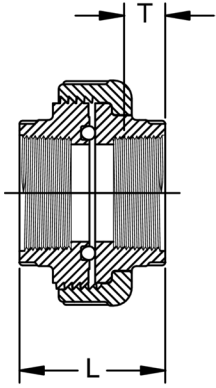




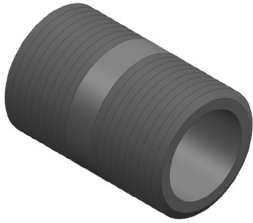
Union (FPT X FPT) Schedule 80 Harvel® PVC

- 150 psi @ 73°F (10.3 bar @ 22.7°C)

Size (inch)	P/L	EPDM Part No.	FKM Part No.	Pack Qty	L (inch)	T (inch)
3	608	898-030	858-030	1	4.75	1.33
4	608	898-040	858-040	1	5.71	1.78



Nipple (MPT x MPT) Schedule 80 Harvel® PVC



Size (inch)	P/L	Part No.	Pack Qty	L (inch)	Design
1/2 x CL	608	861-077	50	1.13	MOLD
1/2 x 2	608	861-079	25	2.00	MOLD
1/2 x 3	608	861-081	25	3.00	MOLD
1/2 x 4	608	861-082	25	4.00	MOLD
1/2 x 5	608	861-083	25	5.00	MOLD
1/2 x 6	608	861-084	25	6.00	MOLD
1/2 x 8	608	861-086	25	8.00	FAB
1/2 x 10	608	861-087	25	10.00	FAB
1/2 x 12	608	861-088	25	12.00	FAB
3/4 x CL	608	861-104	25	1.38	MOLD
3/4 x 2	608	861-020	25	2.00	MOLD
3/4 x 3	608	861-106	25	3.00	MOLD
3/4 x 4	608	861-107	25	4.00	MOLD
3/4 x 5	608	861-108	25	5.00	MOLD
3/4 x 6	608	861-109	25	6.00	MOLD
3/4 x 8	608	861-110	25	8.00	FAB
3/4 x 10	608	861-111	25	10.00	FAB
3/4 x 12	608	861-112	25	12.00	FAB
1 x CL	608	861-133	25	1.50	MOLD
1 x 2	608	861-134	25	2.00	MOLD
1 x 3	608	861-135	25	3.00	MOLD
1 x 4	608	861-136	25	4.00	MOLD
1 x 5	608	861-137	25	5.00	MOLD
1 x 6	608	861-138	25	6.00	MOLD
1 x 8	608	861-139	25	8.00	FAB
1 x 10	608	861-140	25	10.00	FAB
1 x 12	608	861-141	25	12.00	FAB
1 1/4 x CL	608	861-170	25	1.63	MOLD
1 1/4 x 2	608	861-171	25	2.00	MOLD
1 1/4 x 3	608	861-172	25	3.00	MOLD
1 1/4 x 4	608	861-173	25	4.00	MOLD
1 1/4 x 5	608	861-174	25	5.00	MOLD

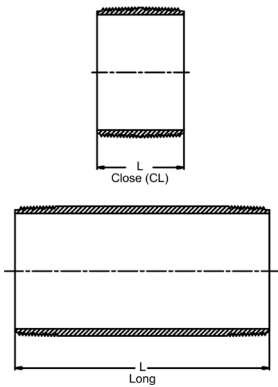
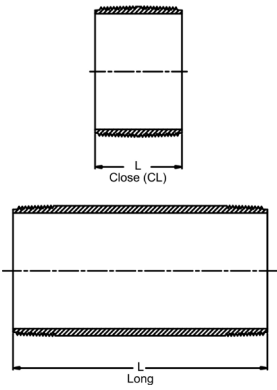


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Size (inch)	P/L	Part No.	Pack Qty	L (inch)	Design
1 1/4 x 6	608	861-175	25	6.00	MOLD
1 1/4 x 8	608	861-176	25	8.00	FAB
1 1/4 x 10	608	861-177	25	10.00	FAB
1 1/4 x 12	608	861-178	25	12.00	FAB
1 1/2 x CL	608	861-213	25	1.75	MOLD
1 1/2 x 2	608	861-214	25	2.00	MOLD
1 1/2 x 3	608	861-215	25	3.00	MOLD
1 1/2 x 4	608	861-216	25	4.00	MOLD
1 1/2 x 5	608	861-217	25	5.00	MOLD
1 1/2 x 6	608	861-218	25	6.00	MOLD
1 1/2 x 8	608	861-219	25	8.00	FAB
1 1/2 x 10	608	861-220	25	10.00	FAB
1 1/2 x 12	608	861-221	25	12.00	FAB
2 x CL	608	861-251	25	2.00	MOLD
2 x 2 1/2	608	861-252	25	2.50	MOLD
2 x 3	608	861-253	25	3.00	MOLD
2 x 4	608	861-254	25	4.00	MOLD
2 x 5	608	861-255	25	5.00	MOLD
2 x 6	608	861-256	25	6.00	MOLD
2 x 8	608	861-257	25	8.00	FAB
2 x 10	608	861-258	25	10.00	FAB
2 x 12	608	861-259	25	12.00	FAB
2 1/2 x CL	608	861-291	10	2.50	FAB
2 1/2 x 4	608	861-295	10	4.00	FAB
2 1/2 x 3	608	861-292	10	3.00	FAB
2 1/2 x 5	608	861-296	10	5.00	FAB
2 1/2 x 6	608	861-297	10	6.00	FAB
2 1/2 x 8	608	861-298	10	8.00	FAB
2 1/2 x 10	608	861-299	10	10.00	FAB
2 1/2 x 12	608	861-300	10	12.00	FAB
3 x CL	608	861-338	10	2.63	FAB
3 x 3	608	861-340	10	3.00	FAB
3 x 4	608	861-341	10	4.00	FAB
3 x 5	608	861-342	10	5.00	FAB
3 x 6	608	861-343	10	6.00	FAB
3 x 8	608	861-344	10	8.00	FAB
3 x 10	608	861-345	10	10.00	FAB
3 x 12	608	861-346	10	12.00	FAB
4 x CL	608	861-422	10	2.88	FAB
4 x 4	608	861-423	10	4.00	FAB
4 x 5	608	861-425	10	5.00	FAB
4 x 6	608	861-426	10	6.00	FAB
4 x 8	608	861-427	5	8.00	FAB
4 x 10	608	861-428	5	10.00	FAB
4 x 12	608	861-429	5	12.00	FAB

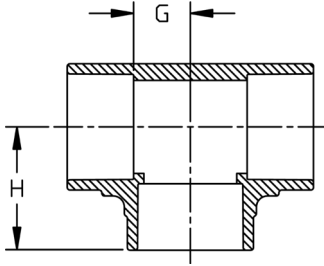
Schedule 80 PVC Low Pressure Fittings



Tee Low Pressure (SxSxS) Schedule 80 Harvel® PVC

- 130 psi @ 73°F (8.96 bar @ 22.7°C)

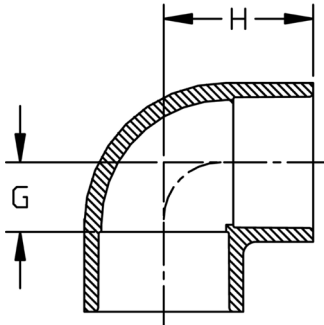
Size (inch)	P/L	Part No.	Pack Qty	H (inch)	G (inch)
10	B11	H801100LP	1	10.83	5.77
12	B11	H801120LP	1	13.38	6.91



90° Ell Low Pressure (S x S) Schedule 80 Harvel® PVC

- 130 psi @ 73°F (8.96 bar @ 22.7°C)

Size (inch)	P/L	Part No.	Pack Qty	H (inch)	G (inch)
10	B11	H806100LP	1	10.75	5.75
12	B11	H806120LP	1	12.96	6.91

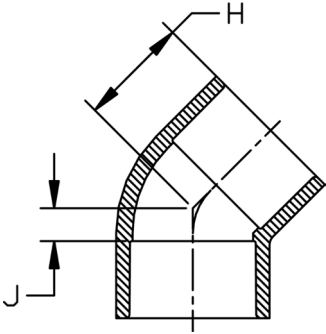


45° Ell Low Pressure (S x S) Schedule 80 Harvel® PVC



- 130 psi @ 73°F (8.96 bar @ 22.7°C)

Size (inch)	P/L	Part No.	Pack Qty	H (inch)	J (inch)
10	B11	H817100LP	1	7.50	2.50
12	B11	H817120LP	1	9.00	3.00

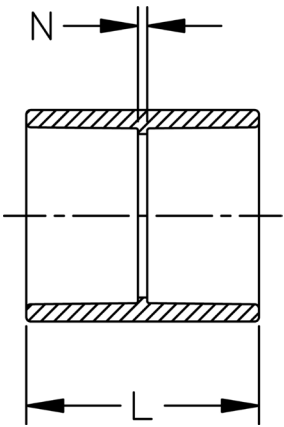


Coupling Low Pressure (S x S) Schedule 80 Harvel® PVC



- 130 psi @ 73°F (8.96 bar @ 22.7°C)

Size (inch)	P/L	Part No.	Pack Qty	L (inch)	N (inch)
10	B11	H829100LP	1	10.81	0.75
12	B11	H829120LP	1	12.81	0.75

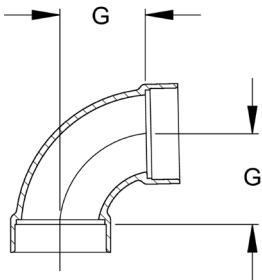


Schedule 80 PVC DWV Fittings



1/4 Bend Short Sweep (SxS) Schedule 80 Harvel® PVC

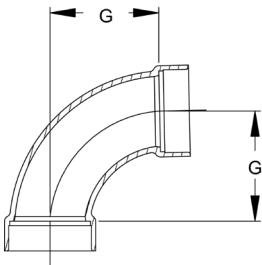
Size (inch)	P/L	Part No.	Pack Qty	G (inch)
1 1/2	608	806-015SS	4	1.75
2	608	806-020SS	4	2.31
3	608	806-030SS	1	3.06
4	608	806-040SS	1	3.88



1/4 Bend Long Sweep (SxS) - (FAB) Schedule 80 Harvel® PVC

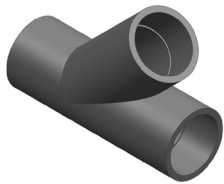


Size (inch)	P/L	Part No.	Pack Qty	G (inch)
1 1/2	A33	806-015LSN	4	4.13
2	A33	806-020LSN	4	4.75
3	A33	806-030LSN	1	7.00
4	A33	806-040LSN	1	9.00



45° Wye (S x S x S) Schedule 80 Harvel® PVC

1-1/2" - 2" 235 psi @ 72°F (16.2 bar @ 22.7°C)
 3" - 6" 150 psi @ 72°F (10.3 bar @ 22.7°C)
 8" - 24" 100 psi @ 72°F (6.9 bar @ 22.7°C)



Size (inch)	P/L	Part No.	Pack Qty	GJ (inch)	GN (inch)	H (inch)	HJ (inch)	L (inch)	N (inch)	Design
1 1/2	608	870-015	20	2.79	1.20	2.60	4.18	6.80	4.02	SL
2	608	870-020	10	3.56	1.36	2.87	5.07	7.99	4.97	SL
2 1/2	H02	870-025S	1	3.97	0.84	2.59	5.72	8.31	3.97	SL
3	608	870-030	4	4.91	1.82	3.73	6.83	10.45	6.62	SL
4	608	870-040	4	6.26	2.06	4.41	8.61	12.94	8.24	SL
6	608	870-060	2	8.38	1.85	4.90	11.44	16.50	10.39	HS
8	608	870-080	1	11.09	1.90	5.92	15.11	21.35	13.30	HS
10	A33	875-100N	1	19.75	5.50	11.25	24.75	31.75	21.75	FAB
12	A33	875-120N	1	22.63	6.50	12.50	28.63	37.50	25.50	FAB
14	A33	875-140N	1	25.75	7.00	14.00	32.75	41.75	27.75	FAB

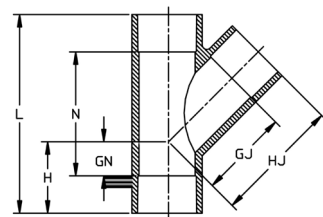
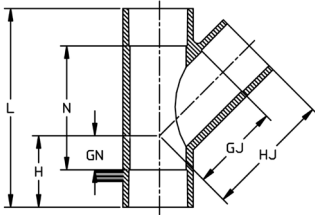


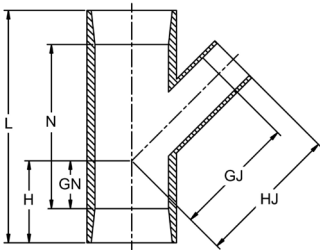
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Size (inch)	P/L	Part No.	Pack Qty	GJ (inch)	GN (inch)	H (inch)	HJ (inch)	L (inch)	N (inch)	Design
16	A33	875-160N	1	28.88	7.75	16.00	36.88	47.25	31.25	FAB
18	A33	875-180N	1	32.50	8.50	17.50	41.50	53.00	35.00	FAB
20	A33	875-200N	1	35.50	9.50	19.50	45.50	58.75	38.75	FAB
24	A33	875-240N	1	42.00	11.00	23.00	54.00	70.00	46.00	FAB

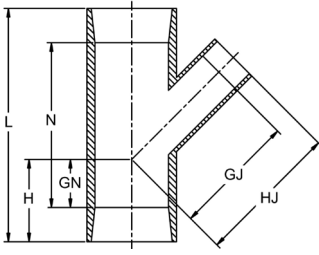
Reducing 45° Wye (S x S x S) Schedule 80 Harvel® PVC

2" 235 psi @ 72°F (16.2 bar @ 22.7° C)
 3" - 6" 150 psi @ 72°F (10.3 bar @ 22.7°C)
 8" - 24" 100 psi @ 72°F (6.9 bar @ 22.7°C)

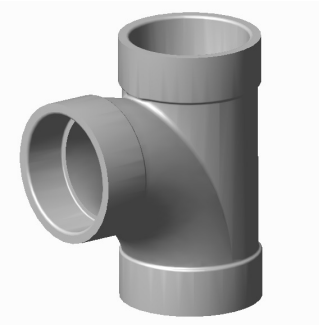


Size (inch)	P/L	Part No.	Pack Qty	GJ (inch)	GN (inch)	H (inch)	HJ (inch)	L (inch)	N (inch)	Design
2 x 1 1/2	608	870-251FB	10	3.96	1.36	2.87	5.37	7.99	4.97	BUSH
3 x 1 1/2	608	870-337FB	4	5.80	1.82	3.73	7.34	10.45	6.62	BUSH
3 x 2	608	870-338FB	4	5.77	1.82	3.73	7.33	10.45	6.62	BUSH
4 x 2	608	870-420FB	4	7.40	2.06	4.41	7.40	12.94	8.24	BUSH
4 x 3	608	870-422FB	4	7.03	2.06	4.41	9.00	12.94	8.24	BUSH
6 x 2	608	870-528FB	2	8.24	1.87	4.91	8.24	16.49	10.42	BUSH
6 x 3	608	870-530FB	2	7.88	1.87	4.91	9.84	16.49	10.42	BUSH
6 x 4	608	870-532	2	7.14	1.87	4.91	9.36	16.49	10.42	HS
8 x 3	608	870-580FB	1	10.23	0.41	4.43	12.20	15.98	7.95	BUSH
8 x 4	608	870-582	1	9.46	0.41	4.43	11.73	15.98	7.95	HS
8 x 6	608	870-585FB	1	12.78	1.90	5.92	15.76	21.35	13.30	BUSH
10 x 4	A33	875-623N	1	14.00	1.25	6.25	16.00	23.00	13.00	FAB
10 x 6	A33	875-626N	1	16.13	2.75	7.50	19.13	26.00	16.00	FAB
10 x 8	A33	875-628N	1	17.50	4.00	9.25	21.50	28.00	18.75	FAB
12 x 4	A33	875-663N	1	15.50	0.50	6.00	17.50	25.75	13.75	FAB
12 x 6	A33	875-666N	1	16.68	2.00	8.00	20.50	28.68	16.68	FAB
12 x 8	A33	875-668N	1	19.00	3.50	9.50	23.00	31.50	19.50	FAB
12 x 10	A33	875-670N	1	21.25	5.00	11.00	26.25	34.50	22.50	FAB
14 x 4	A33	875-696N	1	16.25	0.25	7.25	18.25	28.25	14.25	FAB
14 x 6	A33	875-698N	1	18.50	1.75	8.63	21.50	31.25	17.25	FAB
14 x 8	A33	875-700N	1	19.75	3.00	10.00	23.75	34.00	20.00	FAB
14 x 10	A33	875-702N	1	22.00	4.50	11.50	27.00	37.00	23.00	FAB
14 x 12	A33	875-704N	1	23.50	6.00	13.00	29.50	39.75	25.75	FAB
16 x 4	A33	875-730N	1	17.75	-0.75	7.50	19.75	31.00	15.00	FAB
16 x 6	A33	875-732N	1	19.88	1.00	9.00	22.88	34.00	18.00	FAB
16 x 8	A33	875-734N	1	21.25	2.50	10.25	25.25	36.75	20.75	FAB
16 x 10	A33	875-736N	1	23.50	4.00	12.00	28.50	39.75	23.75	FAB
16 x 12	A33	875-738N	1	25.00	5.50	14.25	31.00	42.75	26.75	FAB
16 x 14	A33	875-740N	1	27.25	6.25	14.25	34.25	44.50	28.50	FAB
18 x 4	A33	875-784N	1	19.00	-1.25	8.00	21.00	34.00	16.00	FAB
18 x 6	A33	875-786N	1	21.25	0.50	9.50	24.25	37.00	19.00	FAB
18 x 8	A33	875-788N	1	22.75	2.00	11.00	26.75	39.75	21.75	FAB
18 x 10	A33	875-790N	1	25.00	3.50	12.50	30.00	42.75	24.75	FAB
18 x 12	A33	875-792N	1	26.25	4.75	13.75	32.50	45.50	27.50	FAB
18 x 14	A33	875-794N	1	28.75	5.75	14.75	35.75	47.50	29.50	FAB
18 x 16	A33	875-796N	1	30.25	7.25	16.00	38.25	50.25	32.25	FAB
20 x 4	A33	875-814N	1	20.50	-1.75	8.50	22.50	36.75	16.75	FAB
20 x 6	A33	875-816N	1	22.75	-0.25	10.00	25.75	39.75	19.75	FAB
20 x 8	A33	875-818N	1	24.25	1.50	11.50	28.25	42.75	22.75	FAB
20 x 10	A33	875-820N	1	26.50	3.00	13.00	31.50	45.75	25.75	FAB
20 x 12	A33	875-822N	1	28.00	4.25	14.25	34.00	48.50	28.50	FAB
20 x 14	A33	875-824N	1	30.25	5.25	15.00	37.25	50.25	30.25	FAB
20 x 16	A33	875-826N	1	31.75	6.50	16.50	39.75	53.00	33.00	FAB
20 x 18	A33	875-828N	1	34.00	8.00	18.00	43.00	56.00	36.00	FAB
24 x 4	A33	875-904N	1	23.25	-3.00	9.25	25.25	42.50	18.50	FAB
24 x 6	A33	875-906N	1	25.50	-1.50	10.75	28.50	45.50	21.54	FAB

table continued on the next page

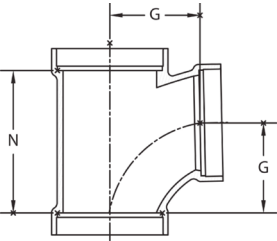


Size (inch)	P/L	Part No.	Pack Qty	GJ (inch)	GN (inch)	H (inch)	HJ (inch)	L (inch)	N (inch)	Design
24 x 8	A33	875-908N	1	27.00	0.00	12.00	31.00	48.25	24.25	FAB
24 x 10	A33	875-910N	1	29.25	1.75	13.50	34.25	51.25	27.25	FAB
24 x 12	A33	875-912N	1	30.50	3.25	15.00	36.50	54.25	30.25	FAB
24 x 14	A33	875-914N	1	33.00	4.00	16.00	40.00	56.00	32.00	FAB
24 x 16	A33	875-916N	1	34.50	5.50	17.50	42.50	58.75	34.75	FAB
24 x 18	A33	875-918N	1	36.75	6.75	18.75	45.75	61.50	37.50	FAB
24 x 20	A33	875-920N	1	38.25	8.25	20.25	48.25	64.50	40.50	FAB



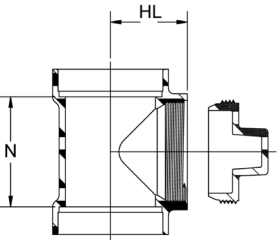
Sanitary Tee (SxSxS) Schedule 80 Harvel® PVC

Size (inch)	P/L	Part No.	Pack Qty	G (inch)	N (inch)
1 1/2	608	37R461501	5	1.75	2.75
2	608	37R461502	5	2.31	3.69
3	608	37R461503	5	3.06	4.88
4	608	37R461504	5	3.88	6.13

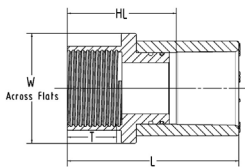
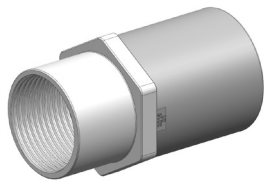


Cleanout Tee with Plug (SxSxFPT) Schedule 80 Harvel® PVC

Size (inch)	P/L	Part No.	Pack Qty	HL (inch)	N (inch)
1 1/2	608	37R461101	2	2.07	1.80
2	608	37R461102	2	2.35	2.32
3	608	37R461103	2	3.51	3.63
4	608	37R461104	2	4.07	4.25



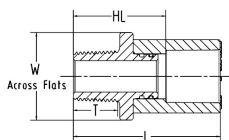
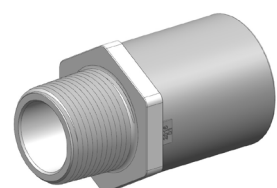
Schedule 80 PVC Metal Transition Fittings



PVC-to-316SS Female Adapter (SxFPT) Schedule 80 Harvel® PVC

- 150 psi @ 73°F (10.3 bar @ 22.7°C)

Size (inch)	P/L	Part No.	Pack Qty	HL (inch)	L (inch)	T (inch)	W (inch)
½	A35	868-005SS	10	1.49	2.38	0.84	1.25
¾	A35	868-007SS	10	1.67	2.68	0.92	1.50
1	A35	868-010SS	6	1.98	3.11	0.96	1.75
1 ¼	A35	868-012SS	5	2.19	3.45	1.04	2.12
1 ½	A35	868-015SS	5	2.35	3.73	1.04	2.50
2	A35	868-020SS	4	2.63	4.14	1.29	3.00



PVC-to-316SS Male Adapter (SxMPT) Schedule 80 Harvel® PVC

- 150 psi @ 73°F (10.3 bar @ 22.7°C)

Size (inch)	P/L	Part No.	Pack Qty	HL (inch)	L (inch)	T (inch)	W (inch)
½	A35	869-005SS	10	1.49	2.38	0.70	1.25
¾	A35	869-007SS	10	1.67	2.68	0.74	1.50
1	A35	869-010SS	6	1.98	3.11	0.92	1.75
1 ¼	A35	869-012SS	5	2.19	3.45	0.95	2.12
1 ½	A35	869-015SS	5	2.35	3.73	0.99	2.50
2	A35	869-020SS	4	2.64	4.14	1.03	3.00

Metal Union End Connectors Type 375 (316 SS)

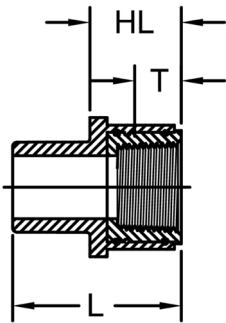
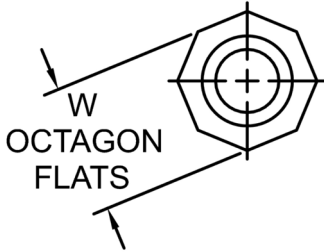
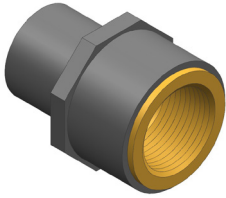
150 psi @ 73°F (10.3 bar @ 22.7°C)
Union Sold Separately



Size (inch)	P/L	Part No.	Pack Qty
½	A35	37X003314	1
¾	A35	37X003315	1
1	A35	37X003316	1
1 ¼	A35	37X003317	1
1 ½	A35	37X003318	1
2	A35	37X003319	1

PVC-to-Brass Transition Fittings (SPG x FPT) Schedule 80 Harvel® PVC

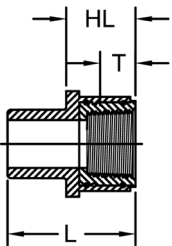
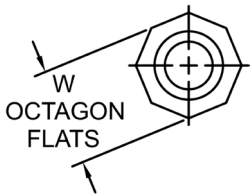
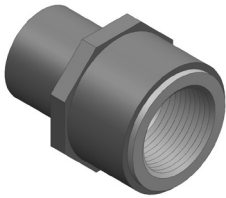
150 psi @ 73°F (10.3 bar @ 22.7°C)



Size (inch)	P/L	Part No.	Pack Qty	HL (inch)	L (inch)	T (inch)	W (inch)
½	A35	878-005BR	25	1.02	1.75	0.70	1.27
¾	A35	878-007BR	15	1.07	2.07	0.74	1.52
1	A35	878-010BR	15	1.32	2.44	0.81	1.93
1 ¼	A35	878-012BR	15	1.38	2.49	0.85	2.29
1 ½	A35	878-015BR	10	1.44	2.74	0.87	2.60
2	A35	878-020BR	5	1.43	2.81	1.11	3.36

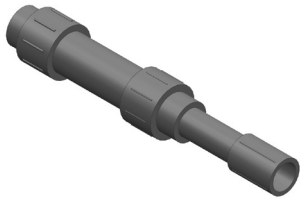
PVC-to-316 SS Transition Fittings (SPG x FPT) Schedule 80 Harvel® PVC

150 psi @ 73°F (10.3 bar @ 22.7°C)



Size (inch)	P/L	Part No.	Pack Qty	HL (inch)	L (inch)	T (inch)	W (inch)
½	A35	878-005SS	25	1.02	1.75	0.70	1.27
¾	A35	878-007SS	15	1.07	2.07	0.74	1.52
1	A35	878-010SS	15	1.32	2.44	0.81	1.93
1 ¼	A35	878-012SS	15	1.38	2.49	0.85	2.29
1 ½	A35	878-015SS	10	1.45	2.74	0.87	2.60
2	A35	878-020SS	5	1.43	2.81	1.11	3.36

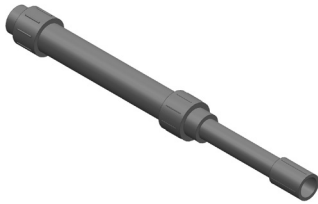
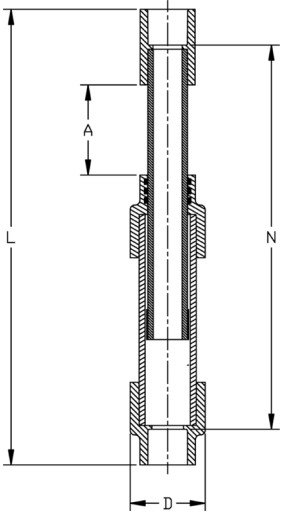
Schedule 80 PVC Expansion Joints



Expansion Joint 6" Travel (S x S) Schedule 80 Harvel® PVC

To order SxSPG add "P" to end of part number.
To order FxF add "F" to end of part number.

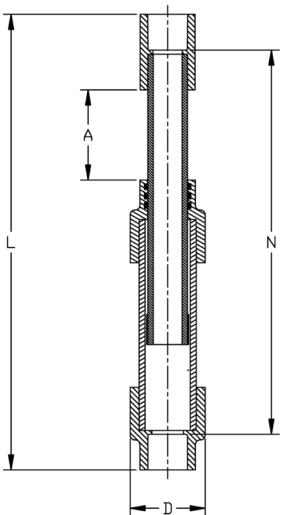
Size (inch)	P/L	EPDM Part No.	FKM Part No.	A (inch)	D (inch)	L (inch)	N (inch)
½	634	826-005X6	836-005X6	3.00	1.86	13.97	12.17
¾	634	826-007X6	836-007X6	3.00	2.23	14.44	12.40
1	634	826-010X6	836-010X6	3.00	2.50	14.98	12.69
1 ¼	634	826-012X6	836-012X6	3.00	2.89	15.56	12.98
1 ½	634	826-015X6	836-015X6	3.00	3.51	16.00	13.21
2	634	826-020X6	836-020X6	3.00	4.40	18.05	15.01
3	634	826-030X6	836-030X6	3.00	5.52	19.75	16.00
4	634	826-040X6	836-040X6	3.00	7.92	28.29	23.76
6	634	826-060X6	836-060X6	3.00	9.80	27.79	21.73
8	634	826-080X6	836-080X6	3.00	10.75	25.35	17.31
10	634	826-100X6	836-100X6	3.00	12.75	29.64	19.60

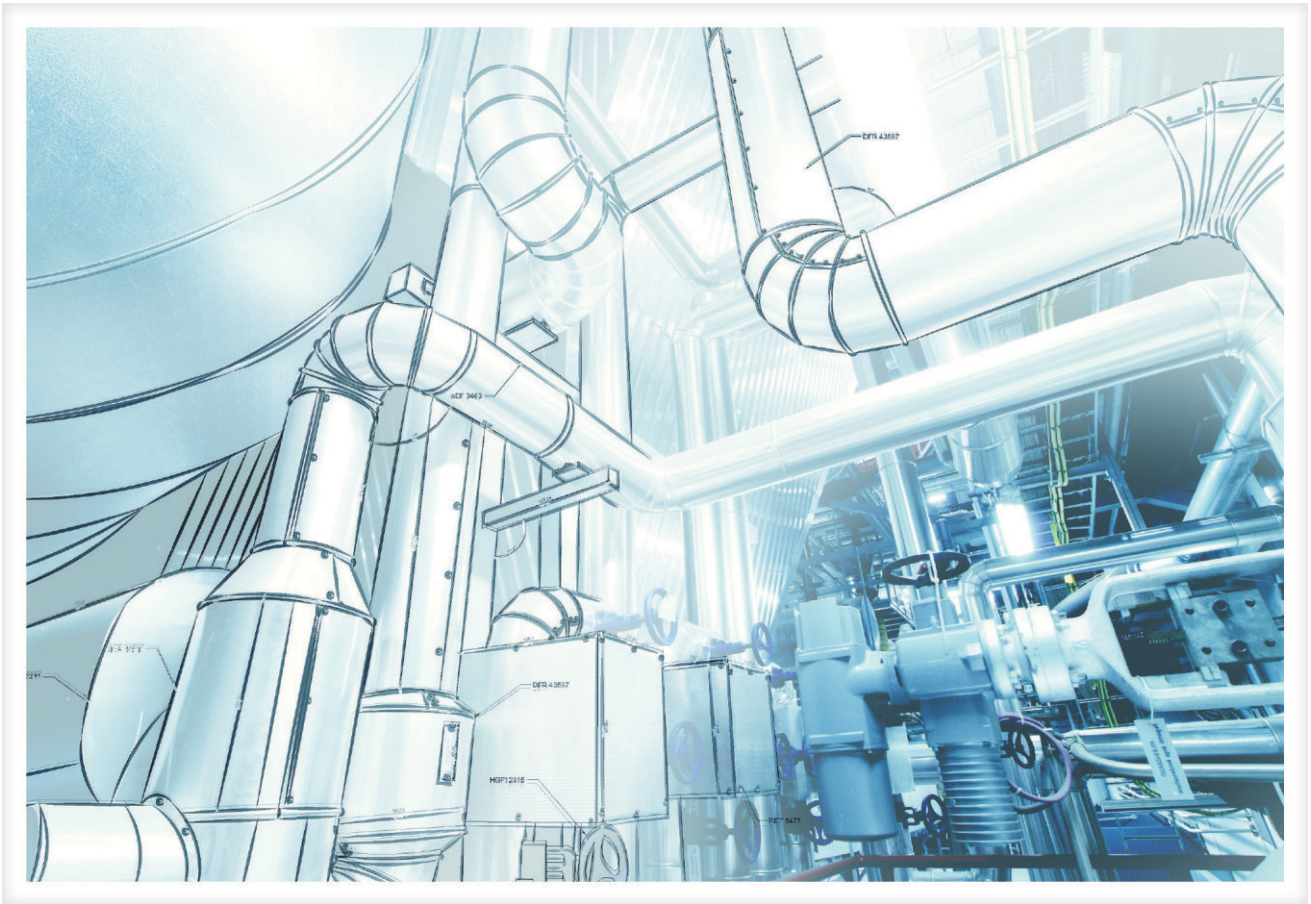


Expansion Joint 12" Travel (S x S) Schedule 80 Harvel® PVC

To order SxSPG add "P" to end of part number.
To order FxF add "F" to end of part number.

Size (inch)	P/L	EPDM Part No.	FKM Part No.	A (inch)	D (inch)	L (inch)	N (inch)
½	634	826-005X12	836-005X12	6.00	1.86	23.10	21.30
¾	634	826-007X12	836-007X12	6.00	2.23	23.57	21.52
1	634	826-010X12	836-010X12	6.00	2.50	24.11	21.81
1 ¼	634	826-012X12	836-012X12	6.00	2.89	24.69	22.11
1 ½	634	826-015X12	836-015X12	6.00	3.51	25.12	22.34
2	634	826-020X12	836-020X12	6.00	4.40	27.05	24.01
3	634	826-030X12	836-030X12	6.00	5.52	28.75	25.00
4	634	826-040X12	836-040X12	6.00	7.92	37.28	32.76
6	634	826-060X12	836-060X12	6.00	9.80	26.79	30.73
8	634	826-080X12	836-080X12	6.00	10.75	28.35	20.31
10	634	826-100X12	836-100X12	6.00	12.75	32.64	22.60



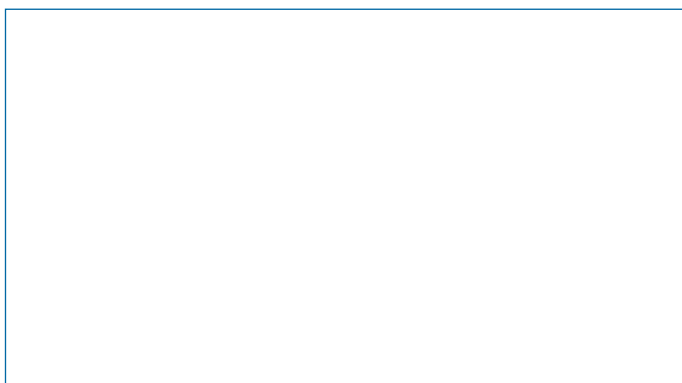


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