

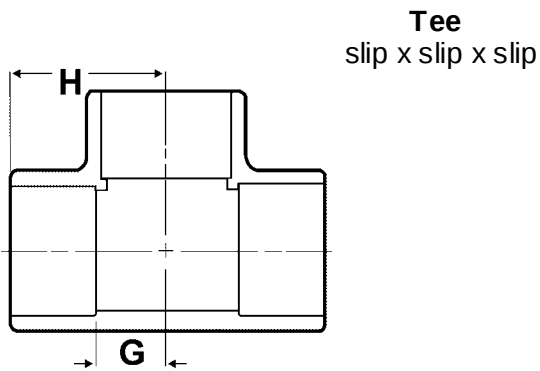
TECHNICAL DATA

SCHEDULE

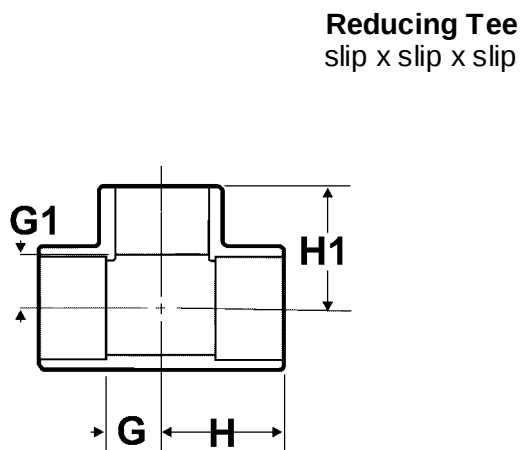
80

PVC PIPE FITTINGS

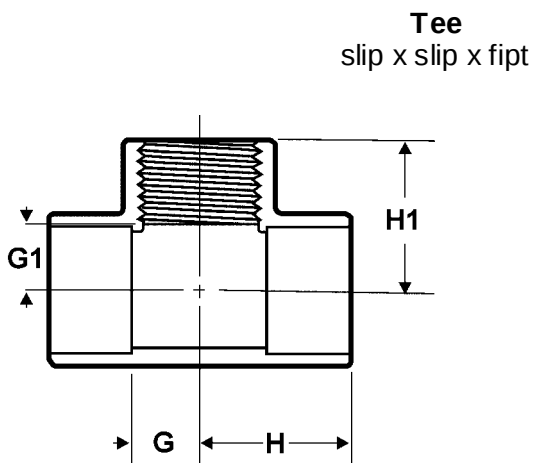
Schedule 80



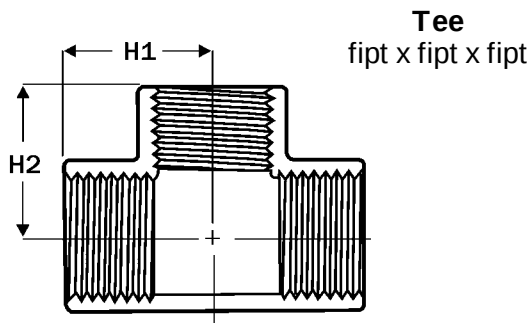
Part No.	Size	G min	H min		
801-002	1/4	5/16	15/16		
801-003	3/8	3/8	1 1/8		
801-005	1/2	1/2	1 3/8		
801-007	3/4	9/16	1 9/16		
801-010	1	11/16	1 13/16		
801-012	1-1/4	7/8	2 1/8		
801-015	1-1/2	1	2 3/8		
801-020	2	1 1/4	2 3/4		
801-025	2-1/2	1 1/2	3 1/4		
801-030	3	1 13/16	3 11/16		
801-040	4	2 5/16	4 9/16		
801-060	6	3 1/2	6 1/2		
801-080	8	4 1/2	8 1/2		



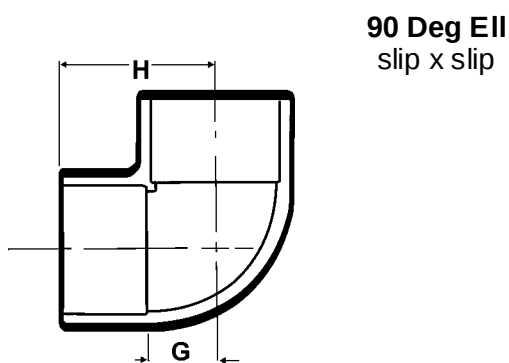
Part No.	Size	G	G1	H	H1
801-101	3/4 x 3/4 x 1/2	1/2	9/16	1.5	1.4375
801-130	1 x 1 x 1/2	1/2	11/16	1.625	1.5625
801-131	1 x 1 x 3/4	9/16	11/16	1.6875	1.6875
801-168	1-1/4 x 1-1/4 x 1	11/16	7/8	1.9375	2
801-210	1-1/2 x 1-1/2 x 3/4	9/16	1	1.9375	2
801-211	1-1/2 x 1-1/2 x 1	11/16	1	2.0625	2.125
801-212	1-1/2 x 1-1/2 x 1-1/4	7/8	1	2.25	2.25
801-247	2 x 2 x 1/2	1/2	1 1/4	2	2.125
801-248	2 x 2 x 3/4	9/16	1 1/4	2.0625	2.25
801-249	2 x 2 x 1	11/16	1 1/4	2.1875	2.375
801-250	2 x 2 x 1-1/4	7/8	1 1/4	2.375	2.5
801-251	2 x 2 x 1-1/2	1	1 1/4	2.5	2.625
801-290	2-1/2 x 2-1/2 x 1-1/4	7/8	1 1/2	2.625	2.75
801-291	2-1/2 x 2-1/2 x 1-1/2	1	1 1/2	2.75	2.875
801-292	2-1/2 x 2-1/2 x 2	1 1/4	1 1/2	3	3
801-337	3 x 3 x 1-1/2	1	1 13/16	2.875	3.1875
801-338	3 x 3 x 2	1 1/4	1 13/16	3.125	3.3125
801-420	4 x 4 x 2	1 1/4	2 5/16	3.5	3.8125
801-422	4 x 4 x 3	1 13/16	2 5/16	4.0625	4.1875
801-530	6 x 6 x 3	1 13/16	3 1/2	4.8125	5.375
801-532	6 x 6 x 4	2 5/16	3 1/2	5.3125	5.75
801-585	8 x 8 x 6	3 1/2	4 1/2	7.5	7.5



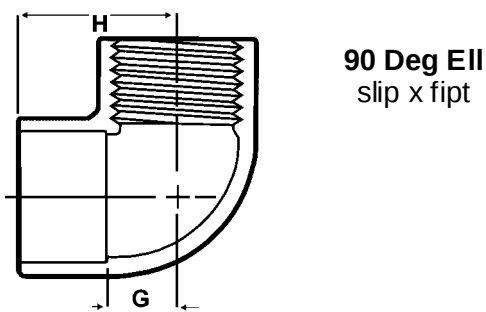
Part No.	Size	G	G1	H	H1
802-005	1/2	0.485	1/2	1.36	1.14
802-007	3/4	0.6	9/16	1.6	1.2125
802-010	1	0.69	11/16	1.815	1.4975
802-012	1-1/4	0.9	7/8	2.15	1.725
802-015	1-1/2	1.088	1	2.463	1.85
802-020	2	1.35	1 1/4	2.85	2.15
802-250	2 x 2 x 1-1/4	0.9	1 1/4	2.4	2.1
802-251	2 x 2 x 1-1/2	1.088	1 1/4	2.588	2.1
802-291	2-1/2 x 2-1/2 x 1-1/2	1.088	1 1/2	2.838	2.35



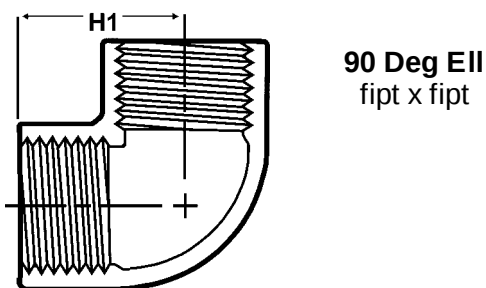
Part No.	Size	H1	H2		
805-002	1/4	0.812	0.812		
805-003	3/8	0.938	0.938		
805-005	1/2	1.125	1.125		
805-007	3/4	1.25	1.25		
805-010	1	1.5	1.5		
805-012	1-1/4	1.75	1.75		
805-015	1-1/2	1.938	1.938		
805-020	2	2.25	2.25		
805-025	2-1/2	2.688	2.688		
805-030	3	3.063	3.063		
805-040	4	3.625	3.625		



Part No.	Size	G	H		
806-002	1/4	5/16	15/16		
806-003	3/8	3/8	1 1/8		
806-005	1/2	1/2	1 3/8		
806-007	3/4	9/16	1 9/16		
806-010	1	11/16	1 13/16		
806-012	1 1/4	7/8	2 1/8		
806-015	1 1/2	1	2 3/8		
806-020	2	1 1/4	2 3/4		
806-025	2 1/2	1 1/2	3 1/4		
806-030	3	1 13/16	3 11/16		
806-040	4	2 5/16	4 9/16		
806-060	6	3 1/2	6 1/2		
806-080	8	4 1/2	8 1/2		

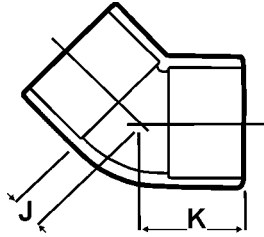


Part No.	Size	G	H		
807-005	1/2	1/2	1.14		
807-007	3/4	9/16	1.2125		
807-010	1	11/16	1.4975		
807-012	1 1/4	7/8	1.725		
807-015	1 1/2	1	1.85		
807-020	2	1 1/4	2.15		



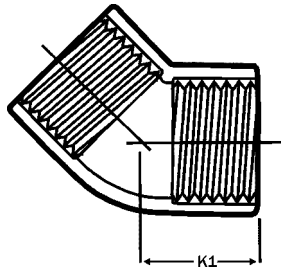
Part No.	Size	H1			
808-002	1/4	0.812			
808-003	3/8	0.938			
808-005	1/2	1.125			
808-007	3/4	1.25			
808-010	1	1.5			
808-012	1-1/4	1.75			
808-015	1-1/2	1.938			
808-020	2	2.25			
808-025	2-1/2	2.688			
808-030	3	3.063			
808-040	4	3.625			

Schedule 80



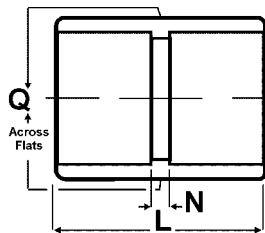
45 Deg Ell
slip x slip

Part No.	Size	J	K		
817-002	1/4	5/32	25/32		
817-003	3/8	3/16	15/16		
817-005	1/2	1/4	1 1/8		
817-007	3/4	5/16	1 5/16		
817-010	1	5/16	1.4375		
817-012	1 1/4	3/8	1 5/8		
817-015	1 1/2	7/16	1 13/16		
817-020	2	5/8	2 1/8		
817-025	2 1/2	11/16	2 7/16		
817-030	3	3/4	3 11/16		
817-040	4	1	3 1/4		
817-060	6	1 3/4	4 3/4		
817-080	8	2	6		



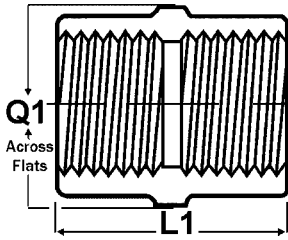
45 Deg Ell
fipt x fipt

Part No.	Size	K1			
819-005	1/2	0.75			
819-007	3/4	1			
819-010	1	1 1/8			
819-012	1 1/4	1.313			
819-015	1 1/2	1.438			
819-020	2	1.625			
819-025	2 1/2	1.938			
819-030	3	2.125			
819-040	4	2.625			



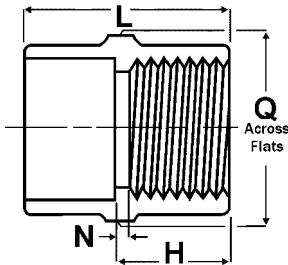
Coupling
slip x slip

Part No.	Size	L	N	Q	
829-002	1/4	1.3125	1/16	N/A	
829-003	3/8	1.5938	3/32	N/A	
829-005	1/2	1.8438	3/32	1 11/32	
829-007	3/4	2.0938	3/32	1 9/16	
829-010	1	2.3438	3/32	N/A	
829-012	1 1/4	2.5938	3/32	2 7/32	
829-015	1 1/2	2.8438	3/32	N/A	
829-020	2	3.0938	3/32	N/A	
829-025	2 1/2	3.6875	3/16	3 5/8	
829-030	3	3.9375	3/16	4 13/32	
829-040	4	4.6875	3/16	N/A	
829-060	6	6.25	1/4	N/A	
829-080	8	8.25	1/4	N/A	
829-101	3/4 x 1/2	1.9688			
829-131	1 x 3/4	2.2188			
829-168	1 1/4 x 1	2.4688			
829-212	1 1/2 x 1 1/4	2.7188			
829-251	2 x 1 1/2	2.9688			
829-338	3 x 2	3.5625			
829-422	4 x 3	4.3125			
829-532	6 x 4	5.5			
829-585	8 x 6	7.25			



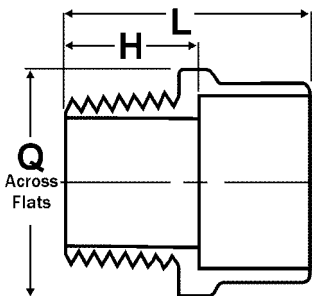
Coupling
fip x fip

Part No.	Size	L1	Q1		
830-002	1/4	1.063	N/A		
830-005	1/2	1.344	1 11/32		
830-007	3/4	1.5	1 19/32		
830-010	1	1.688	1 27/32		
830-012	1 1/4	1.75	2 1/4		
830-015	1 1/2	2	2 17/32		
830-020	2	2.063	3 1/32		
830-025	2 1/2	2.625	N/A		
830-030	3	2.75	N/A		
830-040	4	3	N/A		



Female Adapter
slip x fip

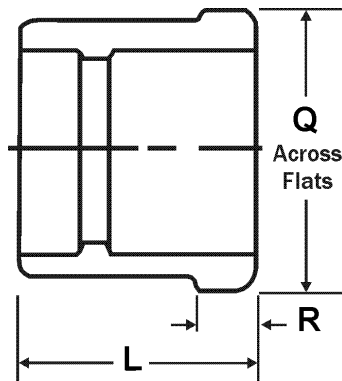
Part No.	Size	H	L	N	Q
835-002	1/4	25/32	1 13/32	5/32	*
835-005	1/2	1 1/8	2	1/4	1 11/32
835-007	3/4	1 7/32	2 9/32	1/4	1 9/16
835-010	1	1 13/32	1 1/2	1/4	1 7/8
835-012	1 1/4	1 17/32	2 13/16	1/4	2 1/4
835-015	1 1/2	1 23/32	3 3/32	1/4	2 9/16
835-020	2	1 13/16	3 11/32	1/4	3 1/32
835-025	2 1/2	2 1/32	3 25/32	1/4	3 19/32
835-030	3	2 3/8	4 1/32	1/4	4 5/16
835-040	4	2 9/16	4 7/8	1/4	5 1/2



Male Adapter
mip x slip

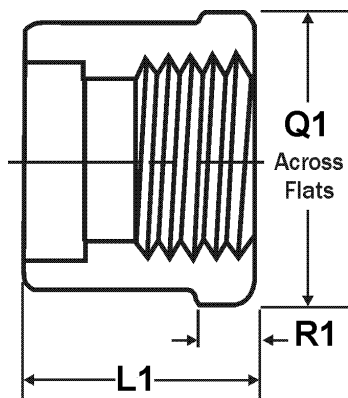
Part No.	Size	H	L	Q	
836-005	1/2	1	1 7/8	1 7/32	
836-007	3/4	1 3/16	2 3/16	1 7/16	
836-010	1	1 7/32	2 3/8	1 3/4	
836-012	1 1/4	1 9/32	2 9/16	2 1/8	
836-015	1 1/2	1 15/16	2 11/16	2 13/32	
836-020	2	2 3/8	2 7/8	2 29/32	
836-025	2 1/2	1 15/16	3 11/16	3 17/32	
836-030	3	2 1/32	3 15/16	4 7/32	
836-040	4	2 7/32	4 1/2	5 9/32	

Schedule 80



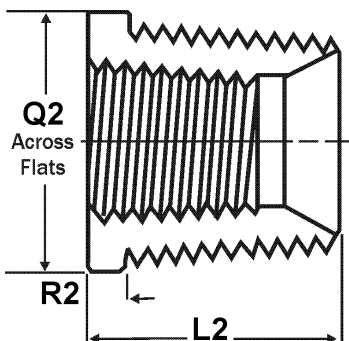
Reducer Bushing
sp x slip

Part No.	Size	L	R	Q	
837-052	3/8 x 1/4	1 1/32	1/4	3/4	
837-072	1/2 x 1/4	1 7/32	5/16	29/32	
837-073	1/2 x 3/8	1 7/32	5/16	29/32	
837-101	3/4 x 1/2	1 3/32	1/4	1 3/32	
837-130	1 x 1/2	1 15/32	1/4	1 3/8	
837-131	1 x 3/4	1 1/4	1/4	1 3/8	
837-166	1 1/4 x 1/2	1 19/32	11/32	1 27/32	
837-167	1 1/4 x 3/4	1 9/16	11/32	1 27/32	
837-168	1 1/4 x 1	1 5/8	11/32	1 27/32	
837-209	1 1/2 x 1/2	1 23/32	11/32	2 3/32	
837-210	1 1/2 x 3/4	1 23/32	11/32	2 3/32	
837-211	1 1/2 x 1	1 23/32	11/32	2 3/32	
837-212	1 1/2 x 1 1/4	1 23/32	11/32	2 3/32	
837-247	2 x 1/2	1 13/16	5/16	2 9/16	
837-248	2 x 3/4	1 13/16	5/16	2 1/2	
837-249	2 x 1	1 13/16	5/16	2 1/2	
837-250	2 x 1 1/4	1 13/16	5/16	2 17/32	
837-251	2 x 1 1/2	1 13/16	5/16	2 7/16	
837-289	2 1/2 x 1	2 13/32	5/8	2 31/32	
837-290	2 1/2 x 1 1/4	2 13/32	5/8	2 31/32	
837-291	2 1/2 x 1 1/2	2 3/8	9/16	2 31/32	
837-292	2 1/2 x 2	2 7/32	7/16	2 15/16	
837-335	3 x 1	2 7/16	9/16	3 9/16	
837-336	3 x 1 1/4	2 7/16	9/16	3 9/16	
837-337	3 x 1 1/2	2 15/32	9/16	3 19/32	
837-338	3 x 2	2 9/32	13/32	3 9/16	
837-339	3 x 2 1/2	2 15/32	9/16	3 19/32	
837-420	4 x 2	2 27/32	9/16	4 19/32	
837-422	4 x 3	2 21/32	3/8	4 19/32	
837-532	6 x 4	3 17/32	1/2	6 25/32	
837-585	8 x 6	5 5/16	25/32	8 3/4	



Reducer Bushing
sp x fipt

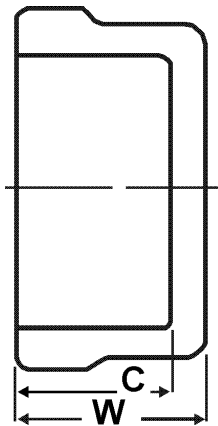
Part No.	Size	L1	R1	Q1	
838-101	3/4 x 1/2	1 3/32	1/4	1 3/32	
838-130	1 x 1/2	1 1/4	1/4	1 3/8	
838-131	1 x 3/4	1 9/32	1/4	1 3/8	
838-167	1 1/4 x 3/4	1 9/16	5/16	1 13/16	
838-168	1 1/4 x 1	1 21/32	13/32	2 1/16	
838-209	1 1/2 x 1/2	1 5/8	5/16	2 1/32	
838-210	1 1/2 x 3/4	1 21/32	5/16	2 1/16	
838-211	1 1/2 x 1	1 13/16	1/2	2 5/16	
838-212	1 1/2 x 1/4	1 23/32	11/32	2 3/32	
838-247	2 x 1/2	1 23/32	5/16	2 17/32	
838-248	2 x 3/4	1 23/32	5/16	2 1/2	
838-249	2 x 1	1 23/32	11/32	2 1/2	
838-250	2 x 1 1/4	1 7/8	3/8	2 13/16	
838-251	2 x 1 1/2	1 13/16	5/16	2 7/16	
838-292	2 1/2 x 2	2 11/32	11/32	3 5/32	
838-338	3 x 2	2 5/16	13/32	3 9/16	
838-339	3 x 2 1/2	2 13/32	13/32	3 21/32	
838-420	4 x 2	4 19/32	3/8	4 19/32	
838-422	4 x 3	2 13/16	17/32	4 13/16	



Reducer Bushing
mipt x slip

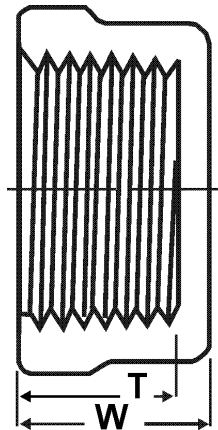
Part No.	Size	L2	R2	Q2	
839-052	3/8 x 1/4	29/32	1/4	13/16	
839-072	1/2 x 1/4	1 5/32	11/32	15/16	
839-073	1/2 x 3/8	1 5/32	3/8	15/16	
839-098	3/4 x 1/4	1 1/8	11/32	1 1/8	
839-099	3/4 x 3/8	1 1/8	11/32	1 1/8	
839-101	3/4 x 1/2	1 1/32	11/32	1 3/32	
839-128	1 x 1/4	1 7/32	5/16	1 11/32	
839-129	1 x 3/8	1 7/16	15/32	1 7/16	
839-130	1 x 1/2	1 15/32	1/2	1 7/16	
839-131	1 x 3/4	1 1/8	5/16	1 11/32	
839-166	1 1/4 x 1/2	1 15/32	7/16	1 23/32	
839-167	1 1/4 x 3/4	1 15/32	15/32	1 23/32	
839-168	1 1/4 x 1	1 11/32	7/16	1 29/32	
839-209	1 1/2 x 1/2	1 7/16	13/32	2	
839-210	1 1/2 x 3/4	1 7/16	7/16	2	
839-211	1 1/2 x 1	1 15/32	7/16	2	
839-212	1 1/2 x 1 1/4	1 15/32	7/16	1 31/32	
839-247	2 x 1/2	1 7/16	13/32	2 7/16	
839-248	2 x 3/4	1 7/16	3/8	2 15/32	
839-249	2 x 1	1 15/32	3/8	2 15/32	
839-250	2 x 1 1/4	1 7/16	1/2	2 15/32	
839-251	2 x 1 1/2	1 15/32	1/2	2 15/32	
839-292	2 1/2 x 2	1 13/16	1/4	3	
839-337	3 x 1 1/2	2 1/16	7/16	3 5/8	
839-338	3 x 2	2 1/16	7/16	3 19/32	
839-339	3 x 2 1/2	2 1/16	7/16	3 19/32	
839-422	4 x 3	2 3/32	13/32	4 19/32	

Schedule 80



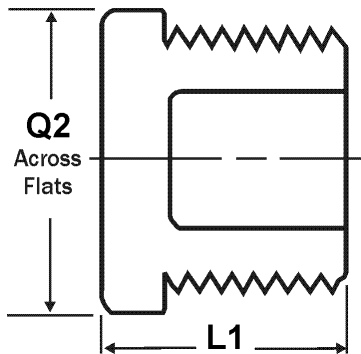
Cap
slip

Part No.	Size	C			
847-002	¼ INCH	0.625			
847-003	3/8 INCH	0.75			
847-005	½ INCH	0.875			
847-007	¾ INCH	1			
847-010	1 INCH	1.125			
847-012	1¼ INCH	1.25			
847-015	1½ INCH	1.375			
847-020	2 INCH	1.5			
847-025	2½ INCH	1.75			
847-030	3 INCH	1.875			
847-060	4 INCH	2.25			
847-060	6 INCH	3			
847-080	8 INCH	4			



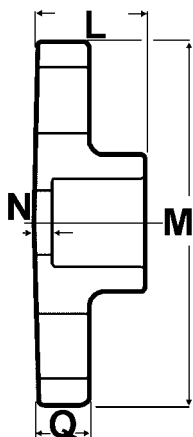
Cap
fipt

Part No.	Size	W	T		
848-002	¼ INCH	0.688	0.5		
848-003	3/8 INCH	0.688	0.5		
848-005	½ INCH	0.875	0.64		
848-007	¾ INCH	1	0.65		
848-010	1 INCH	1.188	0.81		
848-012	1¼ INCH	1.25	0.85		
848-015	1½ INCH	1.25	0.85		
848-020	2 INCH	1.375	0.9		
848-025	2½ INCH	1.625	1.21		
848-030	3 INCH	1.75	1.3		
848-040	4 INCH	2	1.38		



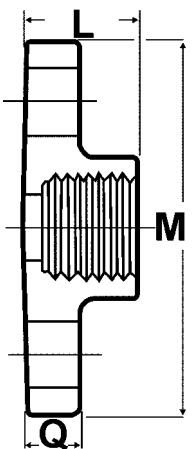
Plug
mipt

Part No.	Size	L1	Q1		
850-002	1/4	0.628	0.625		
850-003	3/8	0.628	0.75		
850-005	1/2	0.718	0.938		
850-007	3/4	0.769	1.125		
850-010	1	0.899	1.375		
850-012	1 1/4	0.991	1.75		
850-015	1 1/2	1.033	1.875		
850-020	2	1.073	1.875		
850-025	2 1/2	1.515	1.875		
850-030	3	1.575	2		
850-040	4	1.675	2		



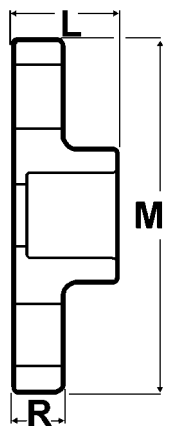
Class 150 Flange
one piece
slip

Part No.	Size	L	M	N	Q
851-005	1/2	1 1/32	3 17/32	1/8	7/16
851-007	3/4	1 5/32	3 29/32	5/32	17/32
851-010	1	1 9/32	4 9/32	5/32	19/32
851-012	1 1/4	1 7/16	4 21/32	5/32	21/32
851-015	1 1/2	1 9/16	5 1/32	5/32	11/16
851-020	2	1 23/32	6	3/16	13/16
851-025	2 1/2	2 3/32	7	5/16	31/32
851-030	3	2 1/32	7 1/2	7/32	1 1/32
851-040	4	2 1/2	9	7/32	1 1/32
851-060	6	3 7/16	10 31/32	13/32	1 9/32



Class 150 Flange
one piece
flange

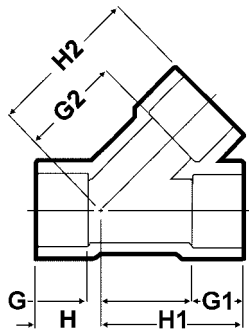
Part No.	Size	L	M	Q	
852-005	1/2	15/16	3 1/2	7/16	
852-007	3/4	31/32	3 7/8	9/16	
852-010	1	1 3/16	4 1/4	19/32	
852-012	1 1/4	1 5/16	4 5/8	21/32	
852-015	1 1/2	1 1/2	5	11/16	
852-020	2	1 1/4	6	27/32	
852-025	2 1/2	1 7/8	7 1/16	29/32	
852-030	3	1 7/8	7 1/2	1 1/16	
852-040	4	2 5/16	9	1	



Class 150 Flange
one piece
blind

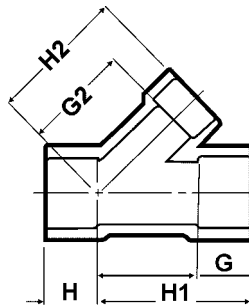
Part No.	Size	M	L	R	
853-005	1/2	3 1/2	17/32	7/16	
853-007	3/4	3 7/8	19/32	9/16	
853-010	1	4 1/2	5/8	9/16	
853-012	1 1/4	4 5/8	3/4	5/8	
853-015	1 1/2	5	13/16	23/32	
853-020	2	6	7/8	3/4	
853-025	2 1/2	7	1 5/32	31/32	
853-030	3	7 1/2	1	7/8	
853-040	4	9	1 3/16	1 1/16	
853-060	6	11	1 7/32	1 3/32	
853-080	8	13 17/32	1 7/16	1 13/32	

Schedule 80



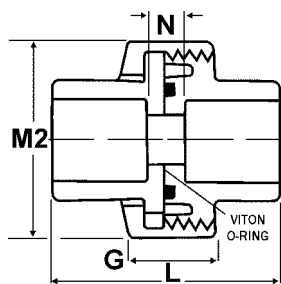
Wye
slip x slip x slip

Part No.	Size	G	G1	G2	H	H1	H2
875-020	2 x 2 x 2	5/8	2 31/32	2 29/32	2 1/8	4 1/2	4 7/16
875-060	6 x 6 x 6	1 13/32	8 3/32	8 1/32	4 13/32	11 3/32	11 1/32



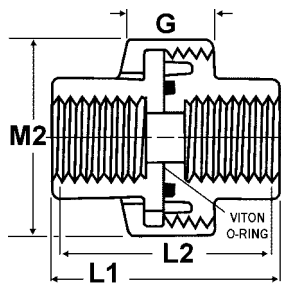
Reducing Wye
slip x slip x slip

Part No.	Size	G	G1	H	H1	H2
876-532	6 x 6 x 4	6 23/32	7 3/32	3 1/32	9 23/32	9 11/32



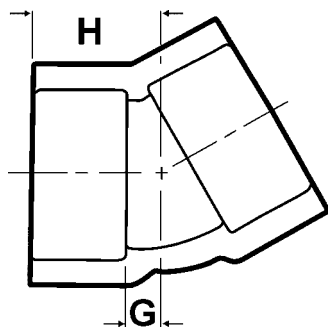
Union
slip x slip

Part No.	Size	G	L	M2	N
897-002	1/4	*	*	*	*
897-005	1/2	31/32	2 7/32	2 1/8	7/16
897-007	3/4	1	2 7/16	2 1/2	13/32
897-010	1	1 1/16	2 11/16	2 15/16	13/32
897-012	1 1/4	1 7/32	3 5/16	3 1/2	25/32
897-015	1 1/2	1 9/32	3 1/2	4 1/16	3/4
897-020	2	1 3/8	4 9/32	4 23/32	1 7/32
897-030	3	1 29/32	5 7/32	6 1/4	1 15/32



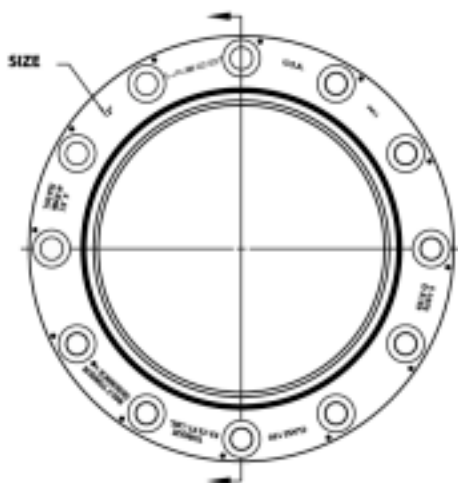
Union
fipt x fipt

Part No.	Size	L1			
898-005	1/2	2 7/32			
898-007	3/4	2 7/16			
898-010	1	2 23/32			
898-012	1 1/4	3 3/8			
898-015	1 1/2	3 1/2			
898-020	2	3 23/32			
898-030	3	5 3/16			

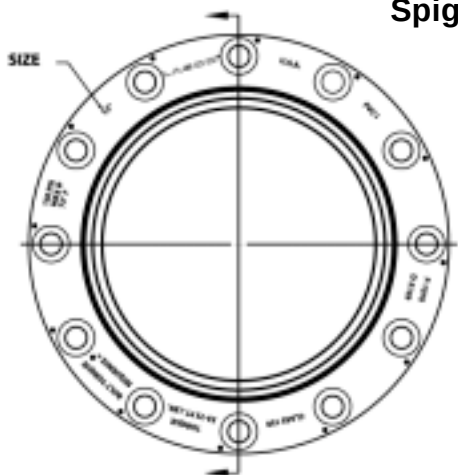
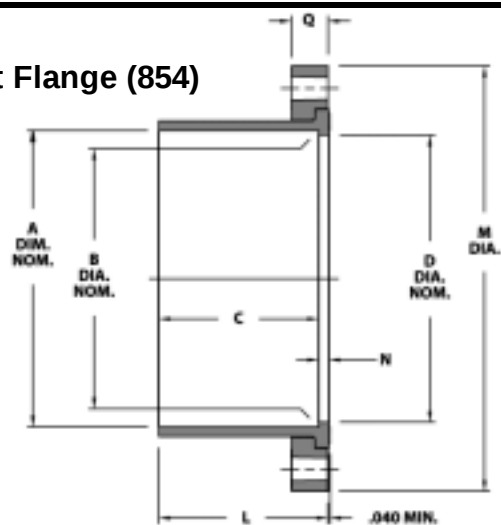


30 Deg Ell
slip x slip

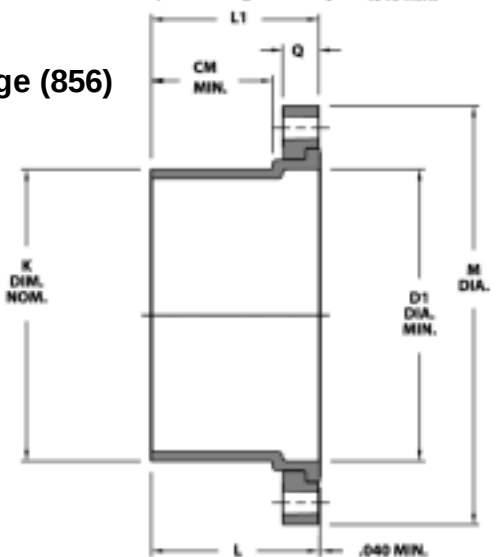
Part No.	Size	G	H		
815-060	6	1 1/16	4 1/16		



Socket Flange (854)



Spigot Flange (856)



Loose Ring Flange Dimensions:

Socket Flange Part No. Series 854-

Spigot Flange Part No. Series 856-

Size	A	B	C min	CM	D min	D1	L	L1	K	M	N	Q
3	3.516	3.492	1.875	1-31/32	3-1/4	3-1/4	2-1/32	3-9/32	3.495	7-1/2	5/32	1
4	4.518	4.491	2.250	2-1/4	4-1/4	4-1/4	2-15/32	3-23/32	4.495	9-7/16	5/32	1-3/16
5	5.583	5.553	2.625	3-1/32	5-5/16	5-9/32	2-27/32	4-1/2	5.564	10-1/32	3/16	1-7/32
6	6.647	6.614	3.000	4-1/32	6-13/32	6-11/32	3-1/4	5-19/32	6.635	11	9/32	1-5/16
8	8.655	8.610	4.000	4-17/32	8-11/32	8-3/8	4-17/32	6-3/16	8.631	13-17/32	9/32	1-13/32
10	10.780	10.735	5.000	5-1/2	10-15/32	10-1/2	5-13/16	7-9/32	10.75	16	3/8	1-1/2
12	12.780	12.735	7.000	6-1/16	12-1/2	12-15/32	7-17/32	9-15/16	12/75	19	1/2	1-5/8

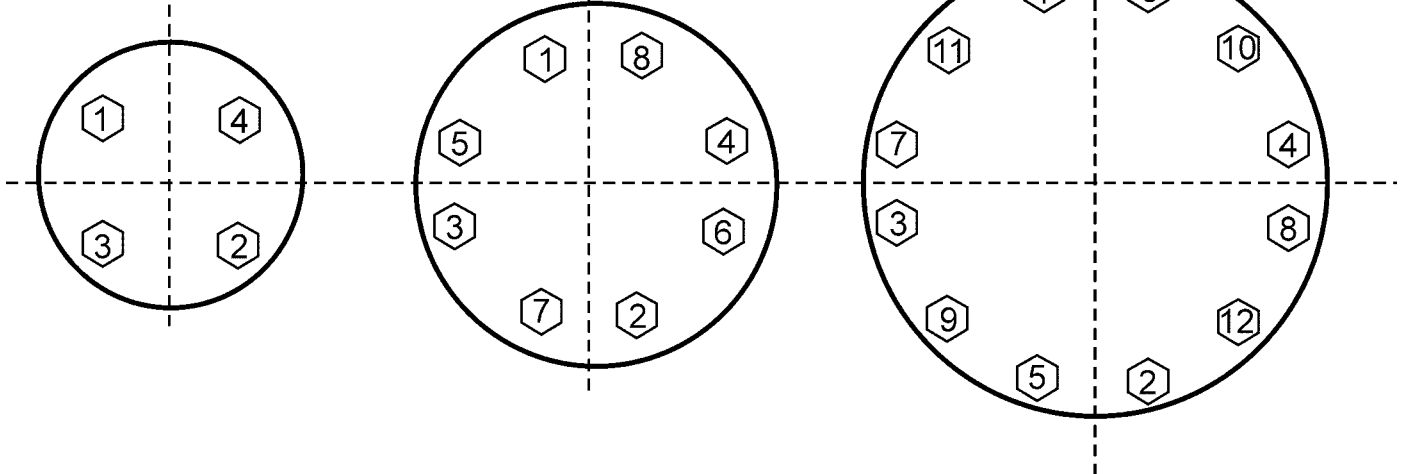
Notes:

1. All fractional dimensions shown have tolerances +/- 1/16" (sizes 3-6); +/- 1/8" (sizes 8-12).
2. All three-place dimensions are within ASTM tolerances.

Loose Ring (Van Stone) Flanges conform to ANSI B16.5, Class 150. Socket diameters conform to ASTM D-2467. Recommended working pressure: 150 psi at 73.4 F.

Flange Installation Data

Torque Sequence



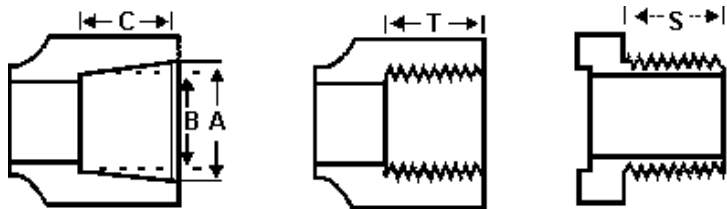
1. Recommended Gaskets: full face, 1/8 thick, elastomeric, 50-70 Shore A hardness.
2. Bolt threads should be well-lubricated.
3. Nut and bolt threads should be free-running during assembly.
4. Follow illustrated bolt-tightening Sequence.
5. Always use full size flat washers with bolts and nuts.

	Bolt Circle	No of	Bolt Size	Recommended
Size	Diameter	Bolts	(UNC x Length)	Torque
1/2	2.37	4	1/2 - 13 x 1-3/4	15-20
3/4	2.75	4	1/2 - 13 x 1-15/16	15-20
1	3.12	4	1/2 - 13 x 2	15-20
1-1/4	3.50	4	1/2 - 13 x 2-14	15-20
1-1/2	3.87	4	1/2 - 13 x 2-3/4	15-20
2	4.75	4	5/8 - 11 x 3	20-30
2-1/2	5.50	4	5/8 - 11 x 3-1/4	20-30
3	6.00	4	5/8 - 11 x 3-5/8	20-30
4	7.50	8	5/8 - 11 x 3-3/4	20-30
5	8.50	8	3/4 - 10 x 3-3/4	25-35
6	9.50	8	3/4 - 10 x 4-3/8	33-50
8	11.75	8	3/4 - 10 x 4-3/8	33-50
10	14.25	12	7/8 - 9 x 4-1/2	53-75
12	17.00	12	7/8 - 9 x 4-5/8	53-75

Note: Mating dimensions and configurations conform to ANSI B 16.5, Class 150 flanges. Socket diameters conform to ASTM D-2467. Recommended working pressure: 150 psi water at 73.4 F. Use primer and heavy-bodied PVC cement in accordance with ASTM D-2855.

Decimal Equivalents

1/64 = 0.0156	13/64 = 0.2031	25/64 = 0.3906
1/32 = 0.0313	7/32 = 0.2188	13/32 = 0.4063
3/64 = 0.0469	15/64 = 0.2344	15/32 = 0.4688
1/16 = 0.0625	1/4 = 0.2500	1/2 = 0.5000
5/64 = 0.0781	17/64 = 0.2656	9/16 = 0.5625
3/32 = 0.0938	9/32 = 0.2813	5/8 = 0.6250
7/64 = 0.1094	19/64 = 0.2969	11/16 = 0.6875
1/8 = 0.1250	5/16 = 0.3125	3/4 = 0.7500
9/64 = 0.1406	21/64 = 0.3281	13/16 = 0.8125
5/32 = 0.1563	11/32 = 0.3438	7/8 = 0.8750



Size	Pipe O.D.	A (entrance)		B (bottom)		C (socket) Depth (Min.)	T (thread) Female (Min.)	S (thread) Male (Min.)
		Min.	Max.	Min.	Max.			
1/4	0.552	0.548	0.556	0.532	0.540	0.625	0.540	0.460
3/8	0.687	0.683	0.691	0.667	0.675	0.750	0.540	0.460
1/2	0.848	0.844	0.852	0.832	0.840	0.875	0.690	0.620
3/4	1.058	1.054	1.062	1.042	1.050	1.000	0.700	0.620
1	1.325	1.320	1.330	1.305	1.315	1.125	0.860	0.790
1-1/4	1.67	1.665	1.675	1.650	1.660	1.250	0.900	0.790
1-1/2	1.912	1.906	1.918	1.888	1.900	1.375	0.900	0.840
2	2.387	2.381	2.393	2.363	2.375	1.500	0.950	0.840
2-1/2	2.889	2.882	2.896	2.861	2.875	1.750	1.300	1.260
3	3.516	3.508	3.524	3.484	3.500	1.875	1.390	1.320
4	4.518	4.509	4.527	4.482	4.500	2.125	1.470	1.420
6	6.647	6.636	6.658	6.603	6.625	3.000	-	-
8	8.655	8.640	8.670	8.595	8.625	4.000	-	-

Maximum Operating Pressure

Size	Maximum Operating Pressure (p.s.i.) at 73.4 F	
	Schedule 80 Socket Ends	Schedule 80 Threaded Ends
1/2	850	420
3/4	690	340
1	630	320
1 1/4	520	260
1 1/2	470	240
2	400	200
2 1/2	420	210
3	370	190
4	320	160
5	290	Not Recommended
6	280	Not Recommended
8	250	Not Recommended

Temperature Correction Factors

Operating Temperature (F)	PVC Pressure Rating Factor
75	1.00
80	0.90
90	0.75
100	0.62
110	0.50
115	0.45
120	0.40
125	0.35
130	0.30
140	0.22

Not recommended above 140 F. Based on water service. For more severe service, an additional correction factor may be required.

Physical Properties (Material) of LASCO PVC Fittings

Mechanical	Typical Values	ASTM Test Method
Tensile Strength, psi at 73.4 F	7,000	D-638
Tensile Modulus, psi	400,000	D-638
Allowable Fiber Stress, psi at 73.4 F	2,000	-
Flexural Yield Strength, psi	13,000	D-790
Izod Impact, notched, ft. lbs./in. at 78 F	0.65 - 1.50	D-256
Durometer Hardness	77-83	D-2240
Thermal		
Coefficient of Thermal Conductivity, Cal. -Cm/Sec. Cm^2 C	3.5 x10^-4	C-177
Coefficient of Linear Expansion, in./in./ C	6.4 x 10^-5	D-696
*Flammability	AEB< 25mm ATB< 10 sec.	D-635

* Based on small-scale laboratory test intended to compare burring characteristics of products; does not imply that LASCO PVC fittings will not burn. All PVC pipe and fittings will burn under proper conditions and in a full-scale fire. Proper precautions must be taken.

Notes

L A S C O

Schedule 80-PVC

Sales Offices in Major cities, Warehouses Nationwide



www.lascofittings.com

Service Centers

6131 Knot Avenue
Buena Park, CA 90620
714/690-9679
800/995-2726
Fax: 714/736-1780

4780 Holly Street, Unit A
Denver, CO 80216
303/388-7204
888/388-5450
Fax: 303/388-7199

3450 Vineland Road
Orlando, FL 32811
407/648-5955
800/437-3155
Fax: 407/649-7999

311 Richert
Wood Dale, IL 60191
630/860-7402
888/995-7414
Fax: 630/860-7416

3401 Pennsy Drive
Ardmore-Ardwick Ind'l Park
Landover, MD 20785
301/322-3377
800/882-5462
Fax: 301/772-1627

1600 Kelly Blvd, Suite 130
Carrollton, TX 75006
972/417-0073
800/642-8104
Fax: 972/417-9733

22473 72nd Ave South
Kent, WA 98031
235/872-0185
888/285-2726
888/395--221

Headquarters

414 Morgan Street, Brownsville, TN 38012
731/772/3180 - 800/776-2756 - Fax: 731/772-0835

Standards and Specifications

- ASTM D-2464** -- Threaded Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80
ASTM D-2467 -- Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80.
ASTM D-1784 -- Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds.
- MATERIAL** -- LASCO Schedule Fittings are produced from PVC Type I, Cell classification 12454-B. O-rings are produced of VITON. PVC Fittings are listed by NSF (National Sanitation Foundation).

ATTENTION!

DO NOT USE LASCO fittings for **compressed air** or **gases**.
DO NOT test PVC piping systems with **compressed air** or **gases**.
DO NOT use fittings with liquids not recommended by LASCO.
Modifications of fittings voids the warranty.

LIMITED WARRANTY

LASCO fittings are made from 100% virgin materials and are warranted to be free from manufacturing defects in materials and workmanship. They are warranted against rot, rust and electrolytic corrosion for a periods of 3 years from date of installation. If LASCO fittings prove defective due to manufacturing defects in material or workmanship during that period, the manufacturer will provide new replacement units of the same type and size. No remedy will be granted under this warranty if LASCO fittings are not used strictly in accordance with LASCO's directions with respect to use and storage or if the fittings have been modified in any way. THE MANUFACTURER'S LIABILITY UNDER EXPRESSED OR IMPLIED WARRANTY OR FOR ANY REASON IS LIMITED TO FURNISHING REPLACEMENT UNITS OR GRANTING CREDIT FOR DEFETIVE UNITS. NO LABOR EXPENSE OR CONSEQUENTIAL DAMAGES WILL BE PAID BY LASCO. THIS WARRANTY IS IN LIEU OF ALL OTHER GUARANTEES AND WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OR MERCHANTABILITY AND FITNESS FOR PURPOSE, EXCEPT FOR ANY WARRANTIES IMPLIED BY LAW FOR NONCOMMERCIAL CONSUMERS. ANY SUCH WARRANTIES ARE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY.