



Pipe Manifolding Calculator

Pipe sizes in first column will allow for number of outlets shown in table when sized accordingly

Size	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8
1/8	1														
1/4	2.1	1													
3/8	4.5	2.1	1												
1/2	8	3.8	1.8	1											
3/4	16	8	3.6	2	1										
1	30	14	6.6	3.7	1.8	1									
1 1/4	60	28	13	7	3.6	2	1								
1 1/2	88	41	19	11	5.3	2.9	1.5	1							
2	164	77	36	20	10	5.5	2.7	1.9	1						
2 1/2	255	120	56	31	16	8	4.3	2.9	1.6	1					
3	439	206	97	54	27	15	7	5	2.7	1.7	1				
4	867	407	191	107	53	21	15	10	5.3	3.4	1.4	1			
5	1525	716	335	188	70	29	19	17	9	6	2.4	1.8	1		
6	2414	1133	531	297	93	51	40	28	15	9	3.8	2.8	1.6	1	
8	4795	2251	1054	590	147	80	58	55	29	19	7.6	5.5	3.1	2	1

National Taper Pipe Standard Pipe Dimensions  
 Engagement

Pipe Size	No. of Threads	Hand Tight	Tight Joint	Advance per Turn	External Dia. In.	Internal Dia. S40	Internal Dia. S80
1/4	18	0.200	0.312	0.055	0.540	0.364	0.302
3/8	18	0.240	0.375	0.055	0.675	0.493	0.423
1/2	14	0.320	0.437	0.071	0.840	0.622	0.546
3/4	14	0.339	0.500	0.071	1.050	0.824	0.742
1	11-1/2	0.400	0.562	0.087	1.315	1.049	0.957
1 1/4	11-1/2	0.420	0.562	0.087	1.660	1.380	1.278
1 1/2	11-1/2	0.420	0.562	0.087	1.900	1.610	1.500
2	11-1/2	0.436	0.625	0.087	2.375	2.067	1.939
2 1/2	8	0.682	0.875	0.125	2.875	2.469	2.323