



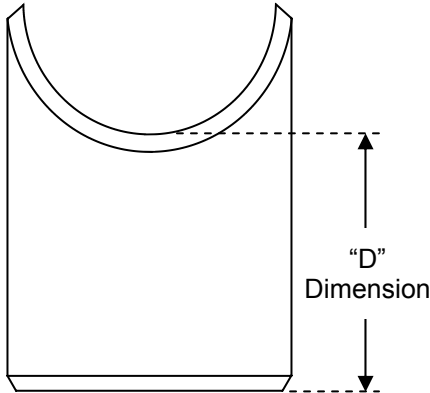
# ALLIED PIPING PRODUCTS PA, INC.

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## How to determine the "length" of Type 2 Shaped Nipples



The standard way to order the length of shaped nipples is by specifying the "D" dimension. This is sometimes referred to as the "short side dimension". The production "D" length is listed below, however, this dimension can be customized to meet any customers specialized needs.

Custom length nipples can be ordered in several ways...

- 4 x 6 x 8 Std Shaped Nipple Bev A106
- 4 x 6 Std Shaped Nipple A106, D=8"
- 4 x 6 Std Shaped Nipple A106, 8" Short side

All of these methods would tell us that the customer requires a special short side dimension of 8". Call, or provide a drawing, if you have any other special dimension requirements.

### How to order Shaped Nipples:

QTY X Shaped Nipple  
 Outlet Header Weight Angle End Prep Material Special  
 Size Size Size Length (if req'd)

Examples: 12 pcs - 4 X 6 STD 90 Deg Shaped Nipple Bev A106 • 8 pcs - 4 X 10 STD 45 Deg. Shaped Nipple Bev A312 T304/L  
 30 pcs - 2 X 4 XH 90 Deg Shaped Nipple Thrd A53 • 100 pcs - 1-1/2 X 4 S/40 90 Deg. Shaped Nipple Cut Grooved A53 CS

### DIMENSIONS AND WEIGHTS

Header Size* "A"	Nominal Outlet Size "B"	Length "D"	Outside Dia.	Standard Weight						Extra Strong			
				Bore "C"	Wall Thick.	Pipe Sched.	Approx. Weight (lb.)		Bore "C"	Wall Thick.	Pipe Sched.	Approx. Weight (lb.)	
							90° "G"	45° "G"				90° "G"	45° "G"
1/2 - 36	1/2	3	0.840	0.622	0.109	40	0.2	0.2	0.546	0.147	80	0.3	0.4
3/4 - 36	3/4	3	1.050	0.824	0.113	40	0.3	0.4	0.742	0.154	80	0.4	0.5
1 - 36	1	3	1.315	1.049	0.133	40	0.5	0.6	0.957	0.179	80	0.6	0.8
1-1/4 - 36	1-1/4	3	1.660	1.380	0.140	40	0.6	0.8	1.278	0.191	80	0.8	1.0
1-1/2 - 36	1-1/2	3	1.900	1.610	0.145	40	0.7	0.9	1.500	0.200	80	1.0	1.2
2 - 36	2	3	2.375	2.067	0.154	40	1.1	1.4	1.939	0.218	80	1.5	2.0
2-1/2 - 36	2-1/2	3	2.875	2.469	0.203	40	1.6	2.0	2.323	0.276	80	2.1	2.6
3 - 36	3	3	3.500	3.068	0.216	40	2.1	3.1	2.900	0.300	80	3.0	3.5
3-1/2 - 36	3-1/2	3	4.000	3.548	0.226	40	2.8	3.8	3.364	0.318	80	3.5	5.0
4 - 36	4	4	4.500	4.026	0.237	40	3.3	4.3	3.826	0.337	80	4.3	7.5
5 - 36	5	4	5.563	5.047	0.258	40	6.0	8.0	4.813	0.375	80	9.0	12
6 - 36	6	4	6.625	6.065	0.280	40	8.0	12	5.761	0.432	80	12	17
8 - 36	8	4	8.625	7.981	0.322	40	13	20	7.625	0.500	80	19	29
10 - 36	10	5	10.750	10.020	0.365	40	23	35	9.750	0.500	60	31	47
12 - 36	12	5	12.750	12.000	0.375	—	30	46	11.750	0.500	—	37	60
14 - 36	14	6	14.000	13.250	0.375	30	35	64	13.000	0.500	—	44	84
16 - 72	16	6	16.000	15.250	0.375	30	38	73	15.000	0.500	40	46	101
18 - 72	18	6	18.000	17.250	0.375	—	40	89	17.000	0.500	—	50	120
20 - 72	20	6	20.000	19.250	0.375	20	44	106	19.000	0.500	30	55	139
22 - 72	22	6	22.000	21.250	0.375	—	50	120	21.000	0.500	—	63	173
24 - 72	24	6	24.000	23.250	0.375	20	51	141	23.000	0.500	—	70	190

- Provide adequate strength to meet 90% of all pipe branch requirements inexpensively.
- Rated in strict compliance with requirements of the Code for Pressure Piping, ANSI B31. Charts for pressure temperature ratings can be provided upon request.
- UL Listed and FM Accepted for fire protection service (2" to 12" - STD 90 only).
- Easiest of all branch connections to install. True bore permits holes in header to be bored, drilled, or burned without complicated layout procedures to be followed.
- Perfectly fitted machine contours drastically reduced weld volume required for installation, reduce pipe distortion and eliminate stress risers. Because of this fact, Type 2 Branchlets are recommended for full size outlets.