

Dimensions of Reducing Outlet Tees and Reducing Outlet Crosses (Cont'd)

Nominal Pipe Size (NPS)	Outside Diameter at Bevel		Center-to-End		Nominal Pipe Size (NPS)	Outside Diameter at Bevel		Center-to-End	
	Run	Outlet	Run, C	Outlet, M [Note (1)]		Run	Outlet	Run, C	Outlet, M [Note (1)]
16 × 16 × 14	406.4	355.6	305	305	28 × 28 × 26	711	660.0	521	521
16 × 16 × 12	406.4	323.8	305	295	28 × 28 × 24	711	610.0	521	508
16 × 16 × 10	406.4	273.0	305	283	28 × 28 × 22	711	559.0	521	495
16 × 16 × 8	406.4	219.1	305	273	28 × 28 × 20	711	508.0	521	483
16 × 16 × 6	406.4	168.3	305	264					
					28 × 28 × 18	711	457.0	521	470
18 × 18 × 16	457.0	406.4	343	330	28 × 28 × 16	711	406.4	521	457
18 × 18 × 14	457.0	355.6	343	330	28 × 28 × 14	711	355.6	521	457
18 × 18 × 12	457.0	323.8	343	321	28 × 28 × 12	711	323.8	521	448
18 × 18 × 10	457.0	273.0	343	308					
18 × 18 × 8	457.0	219.1	343	298	30 × 30 × 28	762	711.0	559	546
					30 × 30 × 26	762	660.0	559	546
20 × 20 × 18	508.0	457.0	381	368	30 × 30 × 24	762	610.0	559	533
20 × 20 × 16	508.0	406.4	381	356	30 × 30 × 22	762	559.0	559	521
20 × 20 × 14	508.0	355.6	381	356	30 × 30 × 20	762	508.0	559	508
20 × 20 × 12	508.0	323.8	381	346					
20 × 20 × 10	508.0	273.0	381	333	30 × 30 × 18	762	457.0	559	495
20 × 20 × 8	508.0	219.1	381	324	30 × 30 × 16	762	406.4	559	483
					30 × 30 × 14	762	355.6	559	483
22 × 22 × 20	559.0	508.0	419	406	30 × 30 × 12	762	323.8	559	473
22 × 22 × 18	559.0	457.0	419	394	30 × 30 × 10	762	273.0	559	460
22 × 22 × 16	559.0	406.4	419	381					
22 × 22 × 14	559.0	355.6	419	381	32 × 32 × 30	813	762.0	597	584
22 × 22 × 12	559.0	323.8	419	371	32 × 32 × 28	813	711.0	597	572
22 × 22 × 10	559.0	273.0	419	359	32 × 32 × 26	813	660.0	597	572
					32 × 32 × 24	813	610.0	597	559
24 × 24 × 22	610.0	559.0	432	432					
24 × 24 × 20	610.0	508.0	432	432	32 × 32 × 22	813	559.0	597	546
24 × 24 × 18	610.0	457.0	432	419	32 × 32 × 20	813	508.0	597	533
					32 × 32 × 18	813	457.0	597	521
24 × 24 × 16	610.0	406.4	432	406	32 × 32 × 16	813	406.4	597	508
24 × 24 × 14	610.0	355.6	432	406	32 × 32 × 14	813	355.6	597	508
24 × 24 × 12	610.0	323.8	432	397					
24 × 24 × 10	610.0	273.0	432	384	34 × 34 × 32	864	813.0	635	622
					34 × 34 × 30	864	762.0	635	610
26 × 26 × 24	660.0	610.0	495	483	34 × 34 × 28	864	711.0	635	597
26 × 26 × 22	660.0	559.0	495	470	34 × 34 × 26	864	660.0	635	597
26 × 26 × 20	660.0	508.0	495	457					
					34 × 34 × 24	864	610.0	635	584
26 × 26 × 18	660.0	457.0	495	444	34 × 34 × 22	864	559.0	635	572
26 × 26 × 16	660.0	406.4	495	432	34 × 34 × 20	864	508.0	635	559
26 × 26 × 14	660.0	355.6	495	432	34 × 34 × 18	864	457.0	635	546
26 × 26 × 12	660.0	323.8	495	422	34 × 34 × 16	864	406.4	635	533

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Nominal Pipe Size (NPS)	Outside Diameter at Bevel		Center-to-End		Nominal Pipe Size (NPS)	Outside Diameter at Bevel		Center-to-End	
	Run	Outlet	Run, C	Outlet, M [Note (1)]		Run	Outlet	Run, C	Outlet, M [Note (1)]
36 × 36 × 34	914	864.0	673	660	42 × 42 × 24	1 067	610.0	762	660
36 × 36 × 32	914	813.0	673	648	42 × 42 × 22	1 067	559.0	762	660
36 × 36 × 30	914	762.0	673	635	42 × 42 × 20	1 067	508.0	762	660
36 × 36 × 28	914	711.0	673	622	42 × 42 × 18	1 067	457.0	762	648
36 × 36 × 26	914	660.0	673	622	42 × 42 × 16	1 067	406.4	762	635
36 × 36 × 24	914	610.0	673	610	44 × 44 × 42	1 118	1 067.0	813	762
36 × 36 × 22	914	559.0	673	597	44 × 44 × 40	1 118	1 016.0	813	749
36 × 36 × 20	914	508.0	673	584	44 × 44 × 38	1 118	965.0	813	737
36 × 36 × 18	914	457.0	673	572	44 × 44 × 36	1 118	914.0	813	724
36 × 36 × 16	914	406.4	673	559	44 × 44 × 34	1 118	864.0	813	724
					44 × 44 × 32	1 118	813.0	813	711
38 × 38 × 36	965	914.0	711	711	44 × 44 × 30	1 118	762.0	813	711
38 × 38 × 34	965	864.0	711	698	44 × 44 × 28	1 118	711.0	813	698
38 × 38 × 32	965	813.0	711	686	44 × 44 × 26	1 118	660.0	813	698
38 × 38 × 30	965	762.0	711	673	44 × 44 × 24	1 118	610.0	813	698
38 × 38 × 28	965	711.0	711	648	44 × 44 × 22	1 118	559.0	813	686
					44 × 44 × 20	1 118	508.0	813	686
38 × 38 × 26	965	660.0	711	648					
38 × 38 × 24	965	610.0	711	635	46 × 46 × 44	1 168	1 118.0	851	800
38 × 38 × 22	965	559.0	711	622	46 × 46 × 42	1 168	1 067.0	851	787
38 × 38 × 20	965	508.0	711	610	46 × 46 × 40	1 168	1 016.0	851	775
38 × 38 × 18	965	457.0	711	597	46 × 46 × 38	1 168	965.0	851	762
					46 × 46 × 36	1 168	914.0	851	762
40 × 40 × 38	1 016	965.0	749	749	46 × 46 × 34	1 168	864.0	851	749
40 × 40 × 36	1 016	914.0	749	737					
40 × 40 × 34	1 016	864.0	749	724	46 × 46 × 32	1 168	813.0	851	749
40 × 40 × 32	1 016	813.0	749	711	46 × 46 × 30	1 168	762.0	851	737
40 × 40 × 30	1 016	762.0	749	698	46 × 46 × 28	1 168	711.0	851	737
					46 × 46 × 26	1 168	660.0	851	737
40 × 40 × 28	1 016	711.0	749	673	46 × 46 × 24	1 168	610.0	851	724
40 × 40 × 26	1 016	660.0	749	673	46 × 46 × 22	1 168	559.0	851	724
40 × 40 × 24	1 016	610.0	749	660					
40 × 40 × 22	1 016	559.0	749	648	48 × 48 × 46	1 219	1 168.0	889	838
40 × 40 × 20	1 016	508.0	749	635	48 × 48 × 44	1 219	1 118.0	889	838
40 × 40 × 18	1 016	457.0	749	622	48 × 48 × 42	1 219	1 067.0	889	813
					48 × 48 × 40	1 219	1 016.0	889	813
42 × 42 × 40	1 067	1 016.0	762	711	48 × 48 × 38	1 219	965.0	889	813
42 × 42 × 38	1 067	965.0	762	711	48 × 48 × 36	1 219	914.0	889	787
42 × 42 × 36	1 067	914.0	762	711	48 × 48 × 34	1 219	864.0	889	787
42 × 42 × 34	1 067	864.0	762	711	48 × 48 × 32	1 219	813.0	889	787
42 × 42 × 32	1 067	813.0	762	711	48 × 48 × 30	1 219	762.0	889	762
42 × 42 × 30	1 067	762.0	762	711	48 × 48 × 28	1 219	711.0	889	762
42 × 42 × 28	1 067	711.0	762	698	48 × 48 × 26	1 219	660.0	889	762
42 × 42 × 26	1 067	660.0	762	698	48 × 48 × 24	1 219	610.0	889	737
					48 × 48 × 22	1 219	559.0	889	737

GENERAL NOTE: All dimensions are in millimeters.

NOTE:

(1) Outlet dimension M for run sizes NPS 14 and larger is recommended but not required.