



1500, 1800
This series of extruded aluminum supply and return linear bar grilles are for ceiling, sidewall, sill (1500), and floor (1800) applications. Blade thickness is 7/32".



1600, 1850
This series of extruded aluminum supply and return linear bar grilles are for ceiling, sidewall, sill (1600), and floor (1850) applications. Blade thickness is 1/8".



1700
This extruded aluminum supply and return linear louvered grille is for ceiling or sidewall applications and features a 1-way or 2-way deflection with removable core.

1500, 1500MC, 1800, 1800MC

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Introduction: 1700

The 1700 series linear louvered grille is designed to compliment ceilings and sidewalls with continuous architectural lines while offering optimum performance. This series can be used on supply or return portions of heating, cooling or ventilation systems. The availability of a variety of finishes allow the grilles to blend or contrast with the ceiling or sidewall installation. The 1700 2-way deflection linear is an excellent choice for all ceiling types where diffuser like performance is required. The 1700 1-way deflection linear will accommodate both ceilings and sidewalls, especially when airflow is required to wash over a window.

MODEL

1700 - Linear Louvered Grille

FEATURES

- Available with 1-way or 2-way deflection.
- Extruded aluminum construction.
- Removable core.
- Section lengths range from 6" to 72" long; units longer than 72" will consist of sections butted together.

OPTIONS

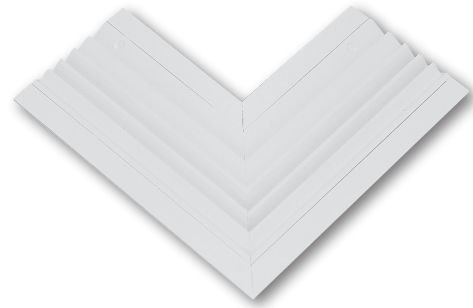
- Mitered Corners (Model 1700MC)
- Blank-off Strips (Model BOS)
- Linear Straightening Grid (Model LSG)
- Damper

FINISHES

- Standard finish is #44 British White.
- Optional finishes available.
- Optional anodizing available.



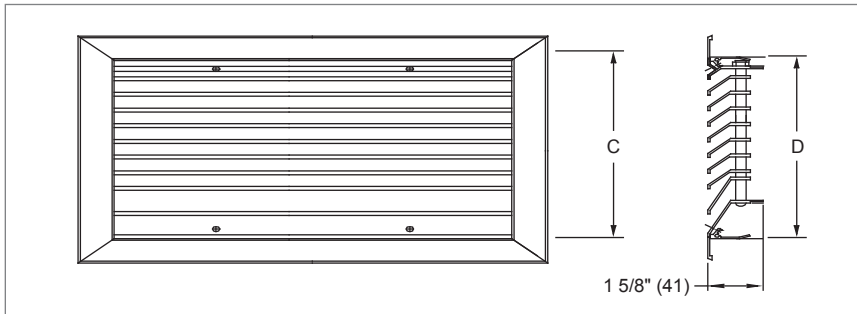
Model 1700



Corresponding mitered corner for Model 1700. CI construction shown.

1700 Dimensional Information

1700, 1-WAY THROW FACE & SIDE VIEW

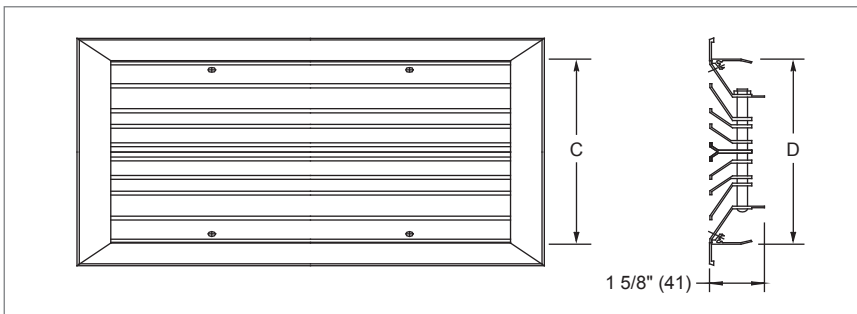


NOTE: Dimensions in parentheses are mm.

1-WAY THROW DIMENSIONAL DATA

Nominal Size	Actual Duct	C
	D	
3 1/2" (89)	3 5/8" (92)	3 3/8" (86)
4 1/4" (108)	4 3/8" (111)	4 1/8" (105)
5" (127)	5 1/8" (130)	4 7/8" (124)
5 3/4" (146)	5 7/8" (149)	5 5/8" (143)
6 1/2" (165)	6 5/8" (168)	6 3/8" (162)
7 1/4" (184)	7 3/8" (187)	7 1/8" (181)
8" (203)	8 1/8" (206)	7 7/8" (200)
8 3/4" (222)	8 7/8" (225)	8 5/8" (219)
9 1/2" (241)	9 5/8" (244)	9 3/8" (238)
10 1/4" (260)	10 3/8" (264)	10 1/8" (257)
11" (279)	11 1/8" (283)	10 7/8" (276)
11 3/4" (298)	11 7/8" (302)	11 5/8" (295)
12 1/2" (318)	12 5/8" (321)	12 3/8" (314)

1700, 2-WAY THROW FACE & SIDE VIEW

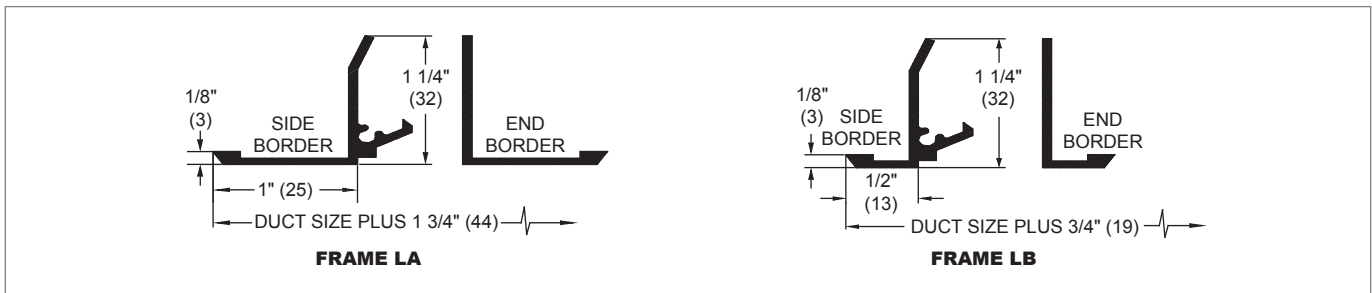


NOTE: Dimensions in parentheses are mm.

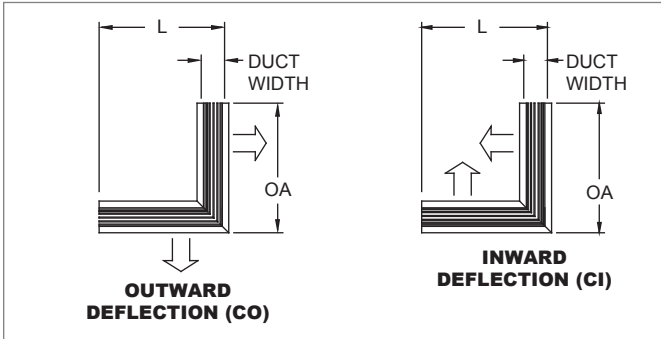
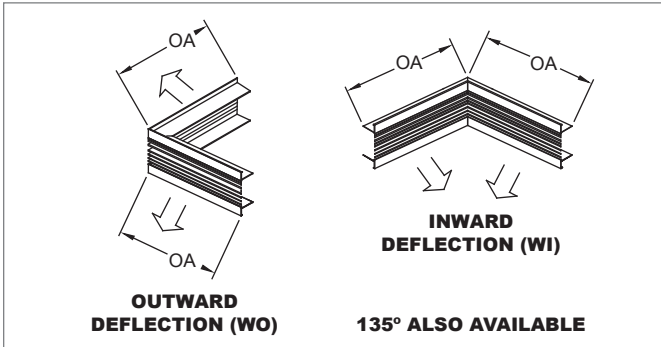
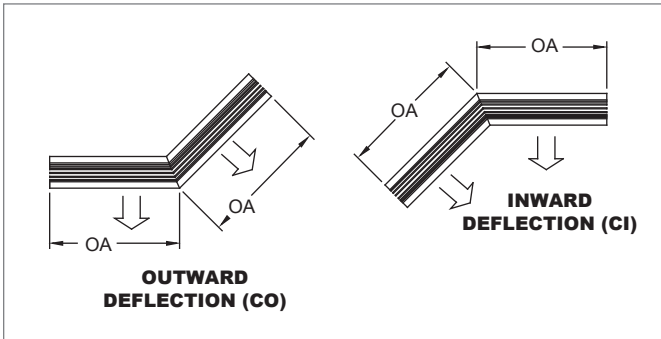
2-WAY THROW DIMENSIONAL DATA

Nominal Size	Actual Duct	C
	D	
6 1/4" (159)	6 3/8" (162)	6 1/8" (155)
7 3/4" (197)	7 7/8" (200)	7 5/8" (194)
9 1/4" (235)	9 3/8" (238)	9 1/8" (232)
10 3/4" (273)	10 7/8" (276)	10 5/8" (270)
12 1/4" (311)	12 3/8" (314)	12 1/8" (308)

1700, FRAME STYLES LA & LB

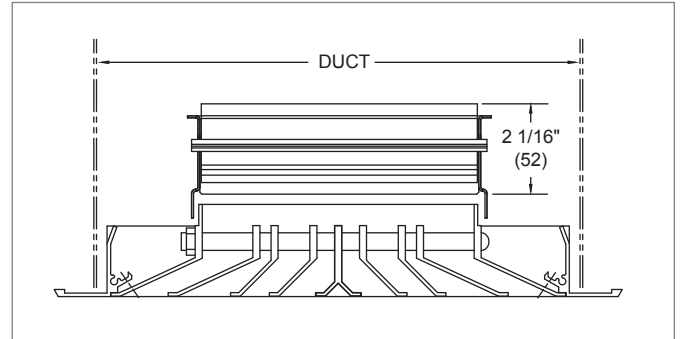
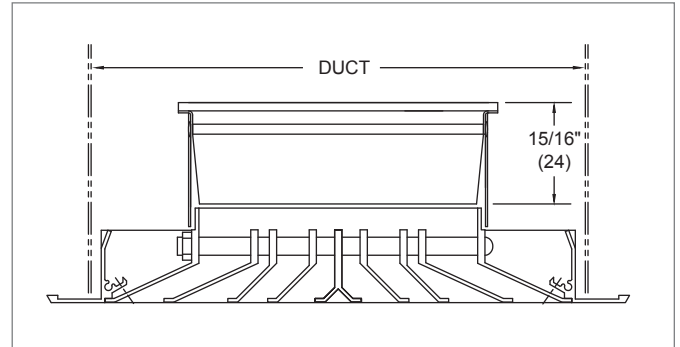
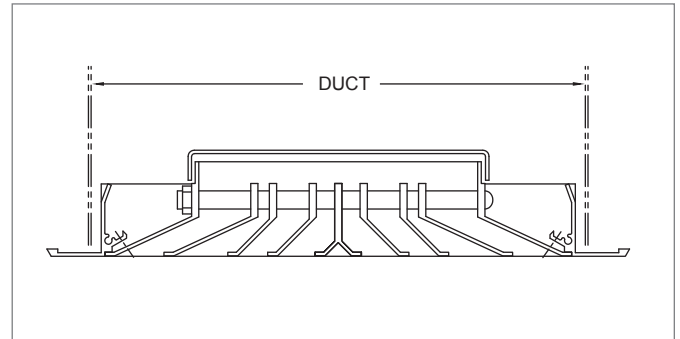


NOTE: Dimensions in parentheses are mm.

Mitered Corner (1700MC) Deflection Patterns
1700MC, 90° MITERED AIR DEFLECTION PATTERNS

1700MC, 90° MITERED AIR DEFLECTION PATTERNS

1700MC, 135° MITERED AIR DEFLECTION PATTERNS

1700MC, OVERALL DIMENSIONS

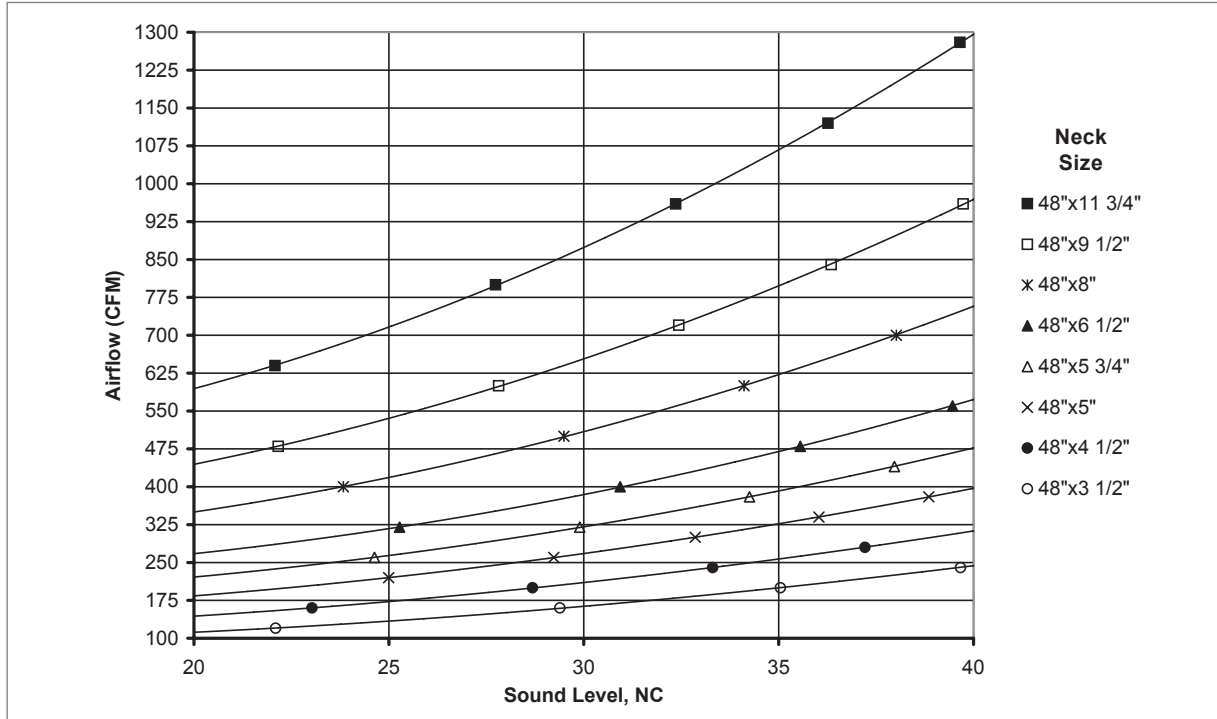
Duct Width	Duct L	Frames	
		LA	LB
3 1/2" (89)	12" (305)	13" (330)	12 3/4" (324)
4 1/4" - 12 1/2" (108 - 318)	18" (457)	19" (483)	18 3/4" (476)

NOTE: Dimensions in parentheses are mm.

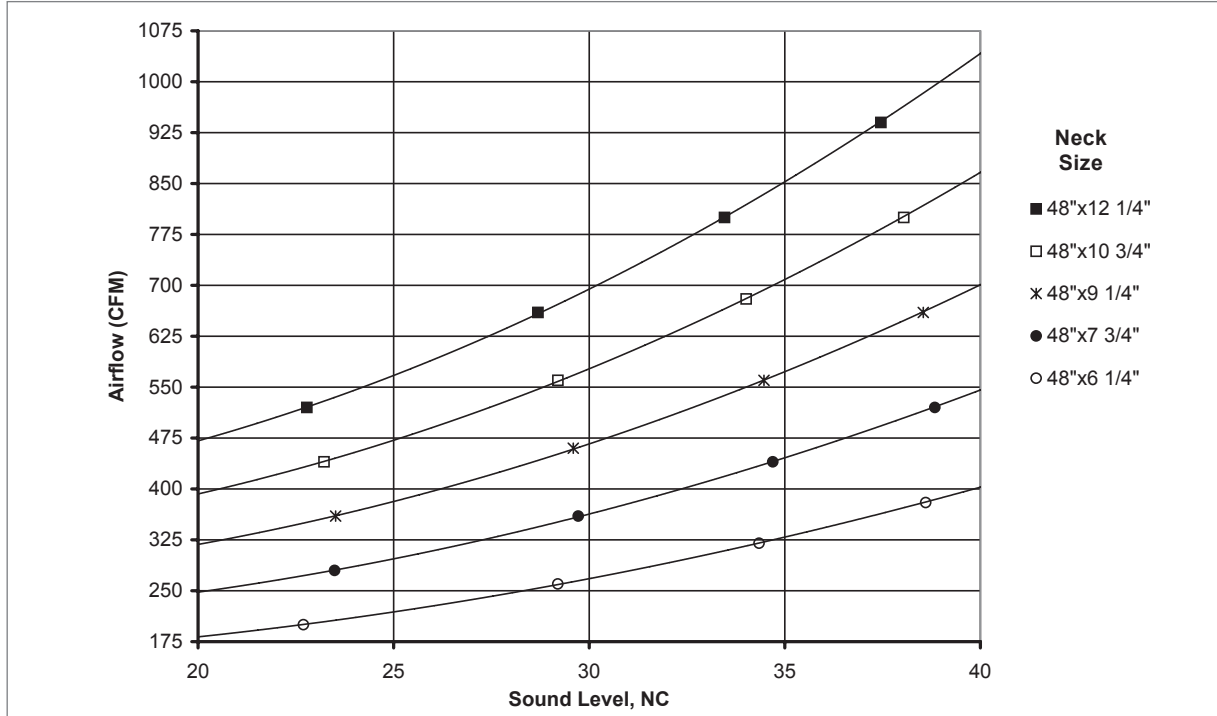
1700 Accessories
1700, OPPOSED BLADE DAMPER

1700, STRAIGHTENING GRID

1700, BLANK-OFF STRIP


1700 Reference Charts

AIRFLOW VS. NC LEVEL: 1700, 1-WAY, 48" LENGTH (NO DAMPER)



AIRFLOW VS. NC LEVEL: 1700, 2-WAY, 48" LENGTH (NO DAMPER)



LINEAR BAR GRILLES

1700

1700 Performance Data
IP/METRIC DATA: 1700, 1-WAY (NO DAMPER)

Nom. Duct	IP Data					NC	Nom. Duct	Metric Data					Octave Band, dB						
	Air Flow	Press Pt	Sidewall Throw	Ceiling Throw				Air Flow	Press Pt	Sidewall Throw	Ceiling Throw	2	3	4	5	6	7		
	in. CFM/ft	"WG	ft	ft				L/s/m	Pa	m	m								
3 1/2"	10	0.001	1 - 2 - 6	2 - 4 - 8	-	93	1.6	0.2	0.3 - 0.6 - 1.7	0.6 - 1.2 - 2.5	-	-	15	-	-	-			
	20	0.003	3 - 6 - 11	5 - 8 - 14	-		3.1	0.8	1.1 - 1.7 - 3.5	1.6 - 2.5 - 4.2	22	24	30	-	-	-			
	30	0.007	6 - 9 - 16	8 - 12 - 17	22		4.7	1.8	1.7 - 2.6 - 4.8	2.5 - 3.7 - 5.2	32	33	38	20	-	-			
	40	0.013	8 - 11 - 18	11 - 14 - 20	29		6.2	3.2	2.3 - 3.5 - 5.5	3.3 - 4.2 - 6.0	38	40	45	29	15	11			
	50	0.020	10 - 14 - 20	13 - 16 - 22	35		7.8	5.1	2.9 - 4.3 - 6.2	3.9 - 4.7 - 6.7	44	46	49	36	24	20			
	60	0.029	11 - 16 - 22	14 - 17 - 24	40		9.3	7.3	3.5 - 4.8 - 6.8	4.2 - 5.2 - 7.3	48	50	53	42	31	28			
	70	0.040	13 - 17 - 24	15 - 18 - 26	44		10.9	9.9	4.1 - 5.2 - 7.3	4.6 - 5.6 - 7.9	52	54	57	47	38	34			
4 1/2"	20	0.002	2 - 4 - 9	4 - 6 - 12	-	111	3.1	0.6	0.5 - 1.1 - 2.7	1.1 - 1.9 - 3.8	16	18	25	-	-	-			
	30	0.005	4 - 7 - 13	6 - 9 - 17	-		4.7	1.3	1.1 - 2.0 - 4.0	1.9 - 2.8 - 5.2	26	28	33	13	-	-			
	40	0.009	6 - 9 - 18	8 - 12 - 20	23		6.2	2.3	1.8 - 2.7 - 5.3	2.5 - 3.8 - 6.0	33	35	39	22	-	-			
	50	0.014	7 - 11 - 20	10 - 16 - 22	29		7.8	3.6	2.2 - 3.3 - 6.2	3.2 - 4.7 - 6.7	38	40	44	29	14	-			
	60	0.021	9 - 13 - 22	12 - 17 - 24	33		9.3	5.1	2.7 - 4.0 - 6.8	3.8 - 5.2 - 7.3	43	44	48	35	22	18			
	70	0.028	10 - 15 - 24	15 - 18 - 26	37		10.9	7.0	3.1 - 4.7 - 7.3	4.4 - 5.6 - 7.9	46	48	51	40	28	24			
	80	0.037	12 - 18 - 26	16 - 20 - 28	41		12.4	9.2	3.6 - 5.3 - 7.8	4.9 - 6.0 - 8.5	50	51	54	44	33	30			
5"	35	0.005	3 - 6 - 13	6 - 9 - 18	-	132	5.4	1.3	0.8 - 1.9 - 3.9	1.8 - 2.7 - 5.5	24	26	32	-	-	-			
	45	0.008	5 - 8 - 16	8 - 12 - 21	-		7.0	2.1	1.4 - 2.5 - 5.0	2.4 - 3.5 - 6.3	30	32	37	18	-	-			
	55	0.012	7 - 10 - 20	9 - 14 - 23	25		8.5	3.1	2.0 - 3.0 - 6.1	2.9 - 4.3 - 7.0	35	37	41	25	-	-			
	65	0.017	8 - 12 - 23	11 - 17 - 25	29		10.1	4.3	2.4 - 3.6 - 7.1	3.4 - 5.1 - 7.6	39	41	45	30	16	12			
	75	0.023	9 - 14 - 25	13 - 19 - 27	33		11.6	5.8	2.8 - 4.1 - 7.6	3.9 - 5.8 - 8.2	42	44	48	35	21	18			
	85	0.030	10 - 15 - 27	15 - 20 - 29	36		13.2	7.4	3.1 - 4.7 - 8.1	4.4 - 6.2 - 8.7	45	47	51	39	27	23			
	95	0.037	11 - 17 - 28	16 - 21 - 30	39		14.7	9.2	3.5 - 5.2 - 8.5	5.0 - 6.5 - 9.2	48	50	53	42	31	27			
5 3/4"	35	0.004	2 - 4 - 11	4 - 8 - 16	-	149	5.4	1.0	0.6 - 1.3 - 3.4	1.3 - 2.4 - 4.9	20	22	28	-	-	-			
	50	0.008	4 - 8 - 16	8 - 11 - 22	-		7.8	2.0	1.2 - 2.4 - 4.9	2.3 - 3.5 - 6.7	28	30	36	16	-	-			
	65	0.013	7 - 10 - 21	10 - 15 - 25	25		10.1	3.4	2.0 - 3.2 - 6.3	3.0 - 4.5 - 7.6	35	37	41	25	-	-			
	80	0.020	9 - 13 - 26	12 - 18 - 28	30		12.4	5.1	2.6 - 3.9 - 7.8	3.7 - 5.5 - 8.5	40	42	46	31	17	13			
	95	0.029	10 - 15 - 28	14 - 21 - 30	34		14.7	7.2	3.1 - 4.6 - 8.5	4.4 - 6.5 - 9.2	44	46	49	37	24	20			
	110	0.039	12 - 18 - 30	17 - 23 - 33	38		17.1	9.6	3.6 - 5.4 - 9.2	5.1 - 7.0 - 9.9	47	49	52	41	30	26			
	125	0.050	13 - 20 - 32	19 - 25 - 35	41		19.4	12.4	4.1 - 6.1 - 9.8	5.8 - 7.5 - 10.6	51	52	55	45	35	32			
6 1/2"	40	0.004	2 - 4 - 11	4 - 8 - 16	-	170	6.2	1.0	0.5 - 1.2 - 3.5	1.2 - 2.5 - 5.0	19	21	27	-	-	-			
	60	0.009	4 - 9 - 17	8 - 12 - 24	-		9.3	2.2	1.2 - 2.6 - 5.2	2.5 - 3.7 - 7.3	29	30	36	16	-	-			
	80	0.016	7 - 11 - 23	11 - 16 - 28	25		12.4	3.9	2.2 - 3.5 - 7.0	3.3 - 5.0 - 8.5	36	37	42	26	-	-			
	100	0.025	10 - 14 - 29	14 - 20 - 31	31		15.5	6.1	2.9 - 4.4 - 8.7	4.1 - 6.2 - 9.5	41	43	47	33	19	15			
	120	0.036	11 - 17 - 32	16 - 24 - 34	36		18.6	8.9	3.5 - 5.2 - 9.6	5.0 - 7.3 - 10.4	45	47	51	38	26	23			
	140	0.048	13 - 20 - 34	19 - 26 - 37	39		21.7	12.0	4.1 - 6.1 - 10.4	5.8 - 7.9 - 11.2	49	51	54	43	33	29			
	160	0.063	15 - 23 - 36	22 - 28 - 39	43		24.8	15.7	4.7 - 7.0 - 11.1	6.6 - 8.5 - 12.0	52	54	57	48	38	35			
8"	50	0.004	2 - 4 - 12	4 - 9 - 17	-	207	7.8	1.0	0.5 - 1.2 - 3.7	1.2 - 2.7 - 5.3	18	19	26	-	-	-			
	75	0.009	4 - 9 - 18	9 - 13 - 26	-		11.6	2.3	1.2 - 2.7 - 5.6	2.7 - 4.0 - 8.0	28	29	35	15	-	-			
	100	0.017	7 - 12 - 25	12 - 17 - 31	24		15.5	4.2	2.1 - 3.7 - 7.5	3.5 - 5.3 - 9.5	35	36	41	24	-	-			
	125	0.026	10 - 15 - 31	15 - 22 - 35	29		19.4	6.5	3.1 - 4.7 - 9.4	4.4 - 6.6 - 10.6	40	42	46	31	17	13			
	150	0.038	12 - 18 - 35	17 - 26 - 38	34		23.3	9.3	3.7 - 5.6 - 10.7	5.3 - 8.0 - 11.6	44	46	50	37	25	21			
	175	0.051	14 - 22 - 38	20 - 29 - 41	38		27.2	12.7	4.4 - 6.6 - 11.6	6.2 - 8.8 - 12.5	48	50	53	42	31	27			
	200	0.067	16 - 25 - 41	23 - 31 - 44	41		31.1	16.6	5.0 - 7.5 - 12.4	7.1 - 9.5 - 13.4	51	53	56	46	36	33			
9 1/2"	60	0.004	2 - 4 - 13	4 - 9 - 19	-	246	9.3	1.1	0.5 - 1.2 - 4.0	1.2 - 2.7 - 5.6	16	18	25	-	-	-			
	90	0.010	4 - 9 - 20	9 - 14 - 28	-		14.0	2.4	1.2 - 2.7 - 6.0	2.7 - 4.2 - 8.4	26	28	33	13	-	-			
	120	0.017	7 - 13 - 26	12 - 19 - 34	22		18.6	4.2	2.1 - 4.0 - 7.9	3.8 - 5.6 - 10.4	33	35	40	22	-	-			
	150	0.026	11 - 16 - 33	15 - 23 - 38	28		23.3	6.6	3.3 - 5.0 - 9.9	4.7 - 7.0 - 11.6	39	40	44	30	15	11			
	180	0.038	13 - 20 - 39	19 - 28 - 42	32		27.9	9.5	4.0 - 6.0 - 11.7	5.6 - 8.4 - 12.7	43	45	48	35	22	19			
	210	0.052	15 - 23 - 42	22 - 32 - 45	36		32.6	12.9	4.6 - 6.9 - 12.7	6.6 - 9.7 - 13.7	47	48	52	40	29	25			
	240	0.068	17 - 26 - 45	25 - 34 - 48	40		37.3	16.9	5.3 - 7.9 - 13.6	7.5 - 10.4 - 14.7	50	52	54	44	34	31			
11 3/4"	80	0.005	2 - 5 - 15	5 - 11 - 22	-	302	12.4	1.2	0.6 - 1.4 - 4.6	1.4 - 3.2 - 6.6	17	18	25	-	-	-			
	120	0.011	5 - 10 - 23	11 - 16 - 32	-		18.6	2.8	1.4 - 3.2 - 6.9	3.2 - 4.9 - 9.8	26	28	34	14	-	-			
	160	0.020	8 - 15 - 30	14 - 22 - 39	22		24.8	5.0	2.5 - 4.6 - 9.2	4.4 - 6.6 - 12.0	33	35	40	23	-	-			
	200	0.031	13 - 19 - 38	18 - 27 - 44	28		31.1	7.8	3.8 - 5.8 - 11.5	5.5 - 8.2 - 13.4	39	40	45	30	15	12			
	240	0.045	15 - 23 - 45	22 - 32 - 48	32		37.3	11.2	4.6 - 6.9 - 13.6	6.6 - 9.8 - 14.7	43	45	48	36	23	19			
	280	0.061	18 - 27 - 48	25 - 37 - 52	36		43.5	15.2	5.4 - 8.1 - 14.6	7.6 - 11.2 - 15.8	47	49	52	41	29	25			
	320	0.080	20 - 30 - 51	29 - 39 - 56	40		49.7	19.9	6.2 - 9.2 - 15.7	8.7 - 12.0 - 16.9	50	52	55	45	34	31			

NOTE: See page K1-48 for correction factors and notes.

1700 Performance Data

IP/METRIC DATA: 1700, 2-WAY (NO DAMPER)

Nominal Duct in.	IP Data				NC	Nominal Duct mm	Metric Data			Octave Band, dB						
	Air Flow	Press Pt	Throw	CEILING			Air Flow	Press Pt	Throw	2	3	4	5	6	7	
	CFM/ft	"WG	ft				L/s/m	Pa	m							
6 1/4"	20	0.001	2 - 4 - 8	-	-	159	3.1	0.3	0.7 - 1.2 - 2.3	-	29	-	-	-	-	
	35	0.004	4 - 7 - 13	-	-		5.4	0.9	1.3 - 2.0 - 3.8	24	40	19	-	-	-	
	50	0.008	6 - 9 - 15	23	23		7.8	1.9	1.9 - 2.9 - 4.6	33	46	30	17	11	-	
	65	0.013	8 - 12 - 17	29	29		10.1	3.2	2.5 - 3.7 - 5.2	40	51	38	27	20	17	
	80	0.020	10 - 13 - 19	34	34		12.4	4.9	3.1 - 4.1 - 5.8	46	55	45	34	27	24	
	95	0.028	12 - 15 - 21	39	39		14.7	6.9	3.6 - 4.4 - 6.3	50	59	50	40	33	30	
110	0.037	13 - 16 - 22	42	42	17.1	9.3	3.9 - 4.8 - 6.8	54	61	55	45	38	35			
7 3/4"	30	0.002	3 - 5 - 9	-	-	197	4.7	0.5	0.8 - 1.4 - 2.8	12	30	-	-	-	-	
	50	0.005	5 - 8 - 15	-	-		7.8	1.2	1.5 - 2.3 - 4.6	25	40	21	-	-	-	
	70	0.010	7 - 11 - 18	23	23		10.9	2.4	2.2 - 3.2 - 5.4	34	47	31	18	12	-	
	90	0.016	9 - 14 - 20	30	30		14.0	4.0	2.8 - 4.1 - 6.1	41	51	39	28	21	18	
	110	0.024	11 - 16 - 22	35	35		17.1	6.0	3.4 - 4.8 - 6.8	46	55	45	35	28	25	
	130	0.034	13 - 17 - 24	39	39		20.2	8.4	4.0 - 5.2 - 7.4	50	58	51	41	34	31	
150	0.045	15 - 18 - 26	42	42	23.3	11.2	4.6 - 5.6 - 7.9	54	61	55	46	39	36			
9 1/4"	40	0.002	3 - 5 - 10	-	-	235	6.2	0.6	0.9 - 1.6 - 3.2	12	31	-	-	-	-	
	65	0.006	6 - 8 - 17	-	-		10.1	1.5	1.7 - 2.6 - 5.1	25	40	21	-	-	-	
	90	0.011	8 - 12 - 20	24	24		14.0	2.8	2.4 - 3.6 - 6.1	34	46	31	19	12	-	
	115	0.019	10 - 15 - 23	30	30		17.9	4.6	3.0 - 4.5 - 6.9	40	51	39	28	21	18	
	140	0.028	12 - 18 - 25	34	34		21.7	6.9	3.7 - 5.4 - 7.6	45	55	45	35	27	24	
	165	0.038	14 - 19 - 27	39	39		25.6	9.5	4.3 - 5.9 - 8.3	50	58	50	40	33	30	
190	0.051	16 - 21 - 29	42	42	29.5	12.6	5.0 - 6.3 - 8.9	54	60	55	46	38	35			
10 3/4"	50	0.003	3 - 6 - 12	-	-	273	7.8	0.6	1.0 - 1.8 - 3.5	13	31	-	-	-	-	
	80	0.007	6 - 9 - 19	-	-		12.4	1.7	1.9 - 2.8 - 5.6	25	40	21	-	-	-	
	110	0.013	8 - 13 - 22	23	23		17.1	3.1	2.6 - 3.9 - 6.8	33	46	31	18	11	-	
	140	0.020	11 - 16 - 25	29	29		21.7	5.1	3.3 - 4.9 - 7.6	40	50	39	27	20	17	
	170	0.030	13 - 20 - 28	34	34		26.4	7.5	4.0 - 5.9 - 8.4	45	54	45	34	27	24	
	200	0.042	15 - 21 - 30	38	38		31.1	10.4	4.7 - 6.4 - 9.1	49	57	50	40	33	30	
230	0.055	18 - 23 - 32	42	42	35.7	13.7	5.4 - 6.9 - 9.8	53	60	54	45	38	35			
12 1/4"	60	0.003	3 - 6 - 13	-	-	311	9.3	0.7	1.1 - 1.9 - 3.8	12	30	-	-	-	-	
	95	0.007	7 - 10 - 20	-	-		14.7	1.8	2.0 - 3.0 - 6.1	24	39	21	-	-	-	
	130	0.014	9 - 14 - 24	23	23		20.2	3.4	2.8 - 4.2 - 7.4	33	45	30	18	11	-	
	165	0.022	12 - 17 - 27	29	29		25.6	5.4	3.5 - 5.3 - 8.3	39	50	38	27	19	16	
	200	0.032	14 - 21 - 30	33	33		31.1	8.0	4.3 - 6.4 - 9.1	44	53	44	33	26	23	
	235	0.044	16 - 23 - 33	37	37		36.5	11.0	5.0 - 7.0 - 9.9	48	56	49	39	32	29	
270	0.058	19 - 25 - 35	41	41	41.9	14.6	5.8 - 7.5 - 10.6	52	59	53	44	37	34			

NOTES: Throw values are given for isothermal conditions and terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re 10⁻¹² Watts. Dash in space denotes a NC or dB value of less than 10. Nominal duct is duct width. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. See Krueger's selection program for performance data not shown, including octave band data.

LENGTH & NC CORRECTION FACTORS

Active Length	2	4	8	10	12
Throw Correction (Multiply)	0.72	1.0	1.5	1.7	1.8
Active Length	2	4	6	8	10
NC Throw Correction (Add)	-3.0	0.0	2.0	3.0	5.0

NOTES: When the diffuser is used as a return, increase the NC by (4) and the negative static pressure, which is (0.8) times the listed total pressure shown.

LINEAR BAR GRILLES

1700

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1700 Suggested Specification & Configuration
1. SERIES: (XXXX)

1700 - Aluminum Linear Louver Grille

2. LENGTH: (XXX.XXX)

6" - 999" in 1/16" increments

3. WIDTH: (XX.XX)
1-WAY

3 1/2" 8 3/4"

4 1/4" 9 1/2"

5" 10 1/4"

5 3/4" 11"

6 1/2" 11 3/4"

7 1/4" 12 1/2"

8"

2-WAY

6 1/4"

7 3/4"

9 1/4"

10 3/4"

12 1/4"

4. DEFLECTION: (XX)

01 - 1-Way Blow

02 - 2-Way Blow

5. FRAME: (XX)

LA - 1"

LB - 1/2"

6. END BORDER: (X)

0 - End Cap Both Sides

B - Both Ends Butt Cut

L - Left End Butt Cut

R - Right End Butt Cut

7. DAMPER: (XX)

00 - No Damper

01 - Steel LOBD

15 - Aluminum LOBD

8. ACCESSORIES: (X) (X)

0 - No Accessories

B - Blank-off Strip

L - Linear Straightening Grid

9. FINISH: (XX) *

01 - Mill

10 - Alumican

35 - Black

44 - British White

Lengths greater than 72" are in multiple sections.
** Clear and Bronze anodizing available.*
1700

The linear louver grille shall be Krueger model 1701 (1-way) or 1702 (2-way) and be constructed of extruded aluminum with the maximum single length of 72". Units longer than 72" shall be provided in multiple sections.

The extruded aluminum deflectors that make the linear louver core shall be locked together to make a one piece core. The core shall be removable from the extruded aluminum frame for easy installation.

Optional linear opposed blade damper (LOBD) shall be constructed of heavy gage steel (aluminum also available as 5LOBD). Damper shall be operable from the face of the grille.

PERFORMANCE

The manufacturer shall provide published (printed or electronic) performance data for the diffuser. Performance data shall include 2 - 7 octave band sound power levels. The diffuser shall be tested in accordance to the data standards at the time of product introduction or ANSI/ASHRAE Standard 70.

FINISH

The paint finish shall be #44 British White and be an anodic acrylic paint, baked at 315°F for 30 minutes. The paint thickness shall be 0.8 – 1.0 mils, gloss at 60° per ASTM D523-89 of 50 – 85%, pencil hardness per ASTM D3363-92A of HB – H, crosshatch adhesion per ASTM D3359-83 of 4B – 5B, impact per ASTM D2794-93 of direct impact >100 in/lb and reverse impact >80 in/lb, salt spray per ASTM B117-9048 of 96 hours, humidity per ASTM D2247-92 of >500 hours and water soak per ASTM D870-92 of 250 hours.