

## MODEL

- 1500 - Supply or return pl grille for ceiling, sidewall, or sill applications

## FEATURES

- Extruded aluminum construction
- 0°, 15°, or 30° blade deflection
- 1/2" (normal) or 7/16" (pencil proof) bar spacing <sup>1</sup>
- 7/32" blade thickness
- Section lengths range from 6" to 72" long; units longer than 72" will consist of sections butted together

## GRILLE SIZES

- Length: 6" - 999" (1/16" increments)
- Width: 2" - 24" (1/4" increments)

## FRAME STYLES

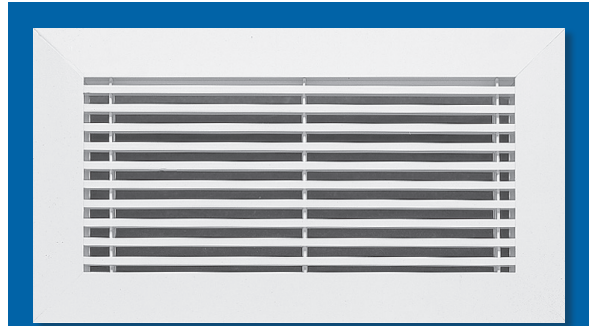
- A - 1 1/4" flange
- B - 1" flange
- C - 3/4" flange
- D - 1/2" flange
- R - 1/4" flange
- AE - 1 1/4" flange with subframe
- BE - 1" flange with subframe
- CE - 3/4" flange with subframe
- DS - 1/2" flange with subframe
- RG - 3/8" flange with subframe

## COMPATIBLE OPTIONS AND ACCESSORIES

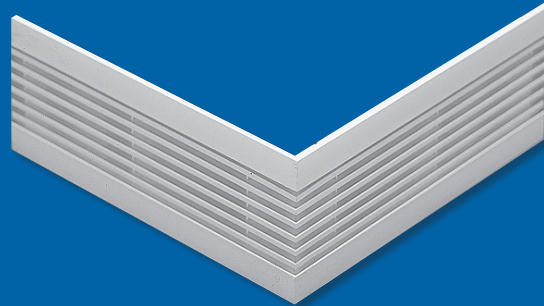
- Custom curving, available on request
- Screw holes, spring clips, or concealed mount
- Mitered corners (model 1500MC)
- Optional access door
- LOBD - Steel, linear opposed blade damper
- 5LOBD - Aluminum, linear opposed blade damper
- SBD - Steel, single blade damper
- 5SBD - Aluminum, single blade damper
- BOS - Blank-off strip
- LSG - Linear straightening grid

NOTES: Not all options available with all configurations or one another. See website for complete compatibility.

<sup>1</sup> 15° deflection is only available with normal spacing. 30° deflection is only available with pencil proof spacing.



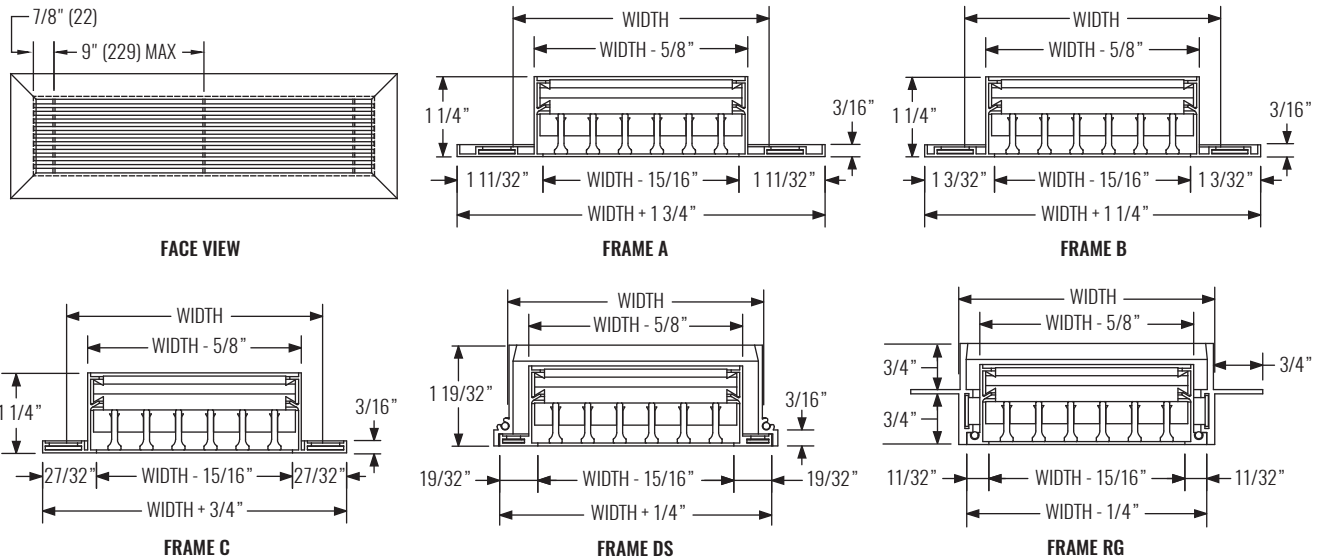
1500



CORRESPONDING MITERED CORNER, 1500MC. WO CONSTRUCTION SHOWN.



## DIMENSIONAL DATA



NOTES: Dimensions in parentheses are millimeters (mm). See website for complete 1500 grille length and width dimensional information.

## PERFORMANCE DATA

SIZE	PERFORMANCE - 48" UNIT LENGTH															
	0° DEFL, 7/32" BARS, 1/2" SPACING				0° DEFL, 7/32" BARS, 7/16" SPACING				15° DEFL, 7/32" BARS, 1/2" SPACING				30° DEFL, 7/32" BARS, 7/16" SPACING			
	NC (< 25)		NC (25 - 40)		NC (< 25)		NC (25 - 40)		NC (< 25)		NC (25 - 40)		NC (< 25)		NC (25 - 40)	
WIDTH	CFM/ft	THROW (ft)	CFM/ft	THROW (ft)	CFM/ft	THROW (ft)	CFM/ft	THROW (ft)	CFM/ft	THROW (ft)	CFM/ft	THROW (ft)	CFM/ft	THROW (ft)	CFM/ft	THROW (ft)
2"	40-55	18-21	70-115	24-31	40-70	18-24	85-130	27-33	40-50	18-20	60-90	22-27	40-50	18-20	60-90	22-27
3"	70-95	24-28	120-170	32-38	60-110	22-30	135-210	33-42	70-85	24-27	100-145	29-35	50-80	20-26	95-140	28-34
4"	90-150	27-35	180-240	39-45	90-160	27-36	195-265	40-47	90-110	27-30	130-210	33-42	70-120	24-32	145-195	35-40
5"	100-180	28-39	220-300	43-50	100-190	28-40	235-325	44-52	100-130	29-33	160-250	36-46	80-140	24-34	170-260	38-46
6"	120-220	30-43	270-370	47-55	110-220	28-43	275-385	48-56	120-155	31-36	190-295	40-49	90-170	24-38	210-290	42-49
7"	135-245	31-45	300-440	49-60	135-260	31-47	320-460	52-61	125-190	30-40	245-340	44-52	115-195	28-40	235-335	44-52
8"	150-270	32-47	330-510	52-65	160-300	34-50	370-510	55-65	130-230	29-44	280-380	48-56	140-220	32-43	260-380	46-56
9"	160-300	32-49	365-570	55-68	170-330	34-53	410-570	58-68	140-250	29-46	305-445	50-60	150-250	32-45	300-450	49-61
10"	175-325	33-52	400-625	58-72	180-360	34-55	450-630	61-72	150-270	29-47	330-510	52-65	160-280	33-48	340-520	53-66
12"	200-380	34-56	470-650	62-73	220-420	37-59	520-820	66-82	175-315	31-51	385-595	56-70	180-320	33-51	390-600	57-70
15"	245-470	37-62	570-855	69-84	240-500	36-64	640-900	72-87	225-395	35-58	480-690	63-76	210-395	34-57	490-670	63-74
22"	450-725	55-77	850-1200	84-100	335-715	42-77	900-1275	86-103	425-540	54-67	655-1000	74-91	275-540	37-67	670-940	75-88

SEE BACK SUPPLEMENT FOR DESIGN INFORMATION

NOTES: Information shown is abbreviated. See website for complete information. Throw value ranges are given for isothermal conditions, unless otherwise noted, and a terminal velocity of 50 FPM (0.25 m/s). Throw measured at same angle of bar deflection with 0° being perpendicular to the grille face. NC ranges are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re 10<sup>-12</sup> Watts. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741.