

Introduction

Linear Slot Diffusers manufactured by Jersey have been designed to satisfy architectural concepts that require continuous length applications without compromising air distribution performance.

These diffusers utilize an adjustable vane in each slot to control the direction of air discharge either parallel with or perpendicular to its face surface. The adjustment from the face of the diffuser allows for pattern control in a full 180 deg. range for either right or left parallel, intermediate or perpendicular.

Application

- Versatile supply linear diffuser for wall, ceiling, or sill installation.
- Adjustable air discharge pattern for horizontal or vertical directions provides draft free comfort for both heating and cooling.
- Can be used for combination supply/return or return only.
- Continuous runs with active and inactive sections.

Product Features

- Extruded aluminium construction with attractive, durable finish.
- Pattern Control designed for easy field adjustment of horizontal or vertical discharge.
- Available in two slot widths 19mm (3/4") and 25mm (1").
- Available in single piece lengths from 300mm (12") to 2400mm (96")
- Units for continuous run applications provided with concealed keyways and alignment strips for exact alignment and clean, neat appearance.

Construction

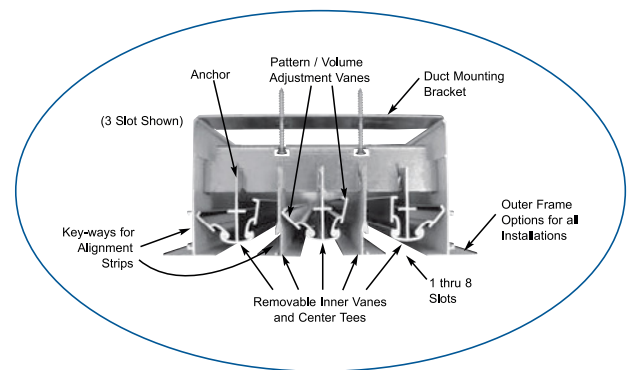
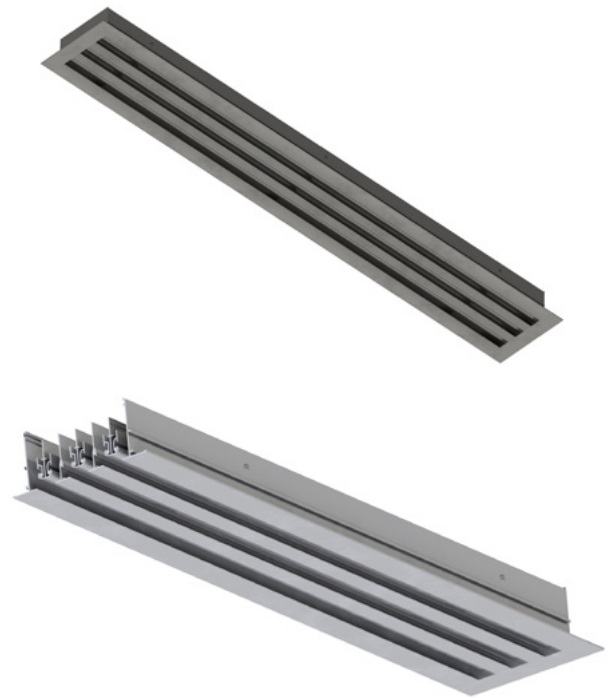
- Frame, centre tees and pattern control vanes are made of Extruded Aluminium Profiles of 6063.T6 Alloy, which allow the diffusers to be suitably used for both internal & external applications.

Options

- Mitered Corners for Ceiling or wall applications
- Blank Off Baffles.
- Curved Linear diffusers for various ceiling or wall applications.
- Powder Coated to RAL9010 as standard (Custom Colours available)

Accessories

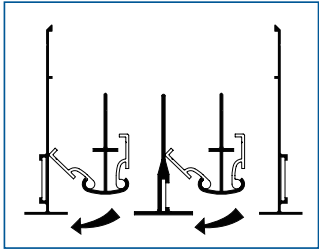
- Plenums – Insulated and Non-Insulated



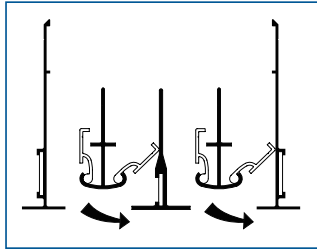
Product Selection Check List

- Select Unit Length based on performance / Installation requirements.
- Select Outlet type (Slot Width) by Model No.
- Select number of slots based on desired performance requirements.
- Select Options & accessories as required
- Select End connection requirements.
- Select RAL Colour

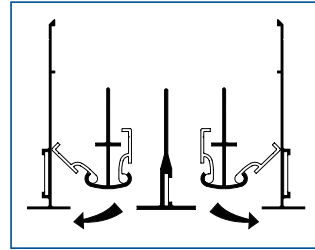
Pattern Control Flexibility



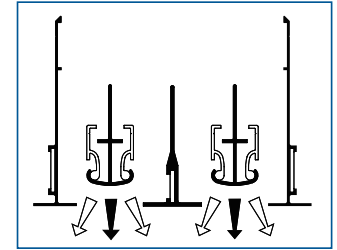
1 WAY LEFT - HORIZONTAL



1 WAY RIGHT - HORIZONTAL



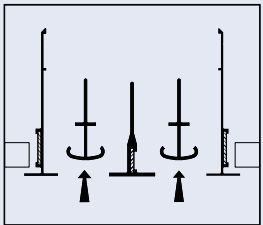
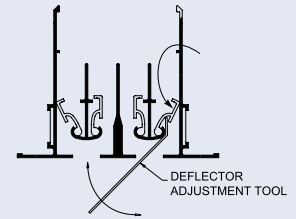
2 WAY OPPOSITE - HORIZONTAL



VERTICAL PROJECTION
(and other angles)

Pattern and Volume adjustment

The adjustable Pattern control vanes include an integral slot to allow the tool to engage the vane and by rotating the tool as shown, position the vane as required for the pattern and air volume required for the application.



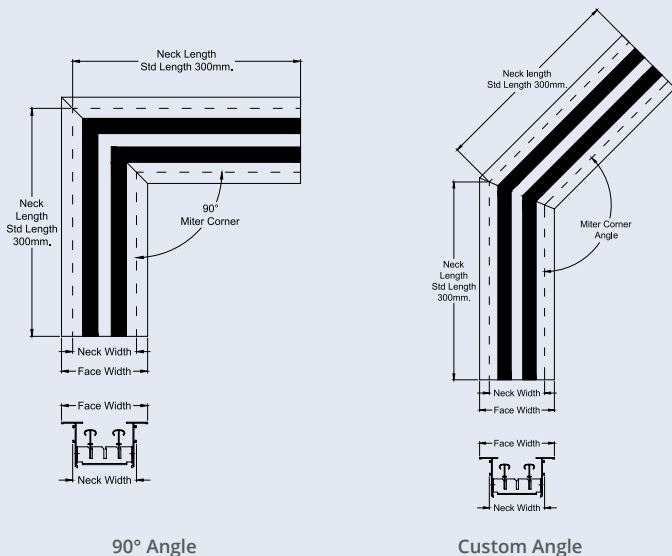
Return Linear Slot Diffusers (KRLAD)

- Matching returns for ALL supply model KSLAD units.
- Low pressure drop and sound levels - ideal for both ducted and ceiling plenum return applications.
- Alignment strips and mounting hardware is included as applicable.
- Return Linear Slot Diffusers are supplied without pattern controllers as a standard.

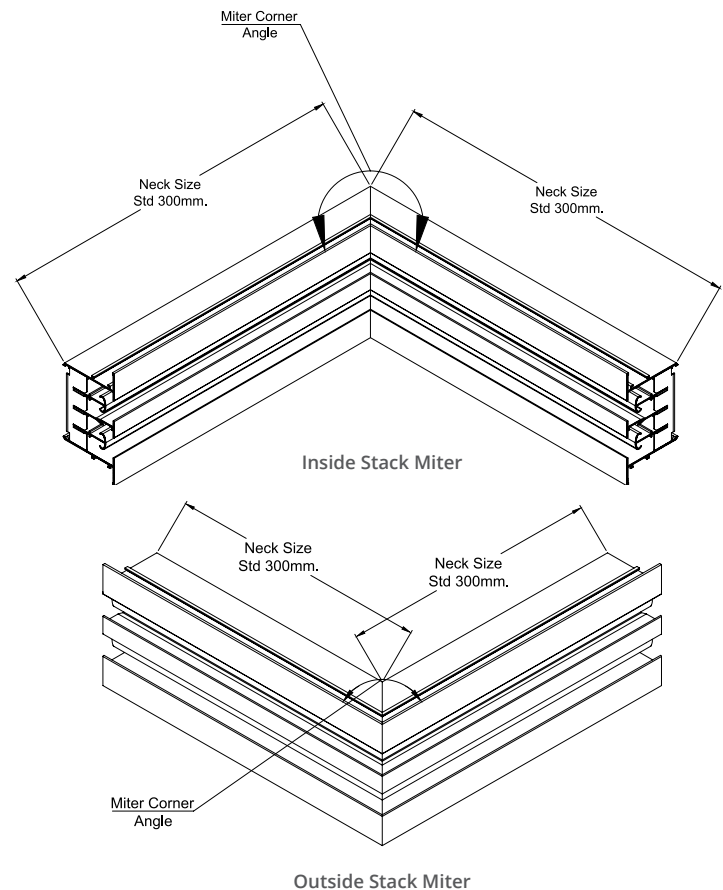
Miter Corners

- Welded corner with standard 45° or 90° face miter, or 90° stack miter
- Mitered Corners are provided with standard length of 300mm (12") internal dimension (neck). Other lengths provided on request.
- Available to match any slot quantity, slot width
- Custom Angles available.
- For Special mitered corners drawing showing the airflow direction must be provided.

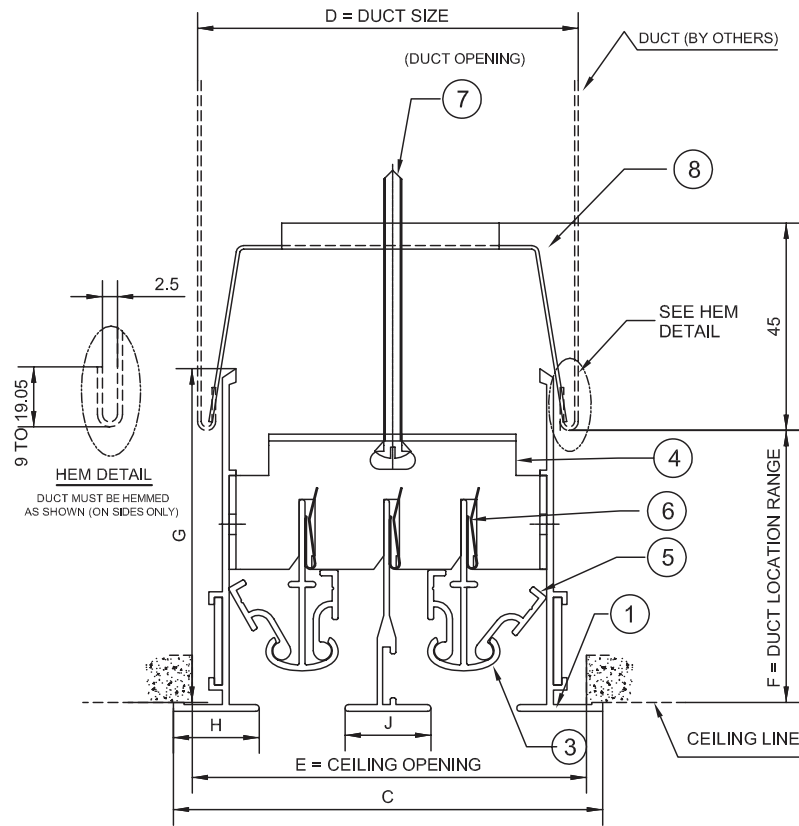
Face Miter - Ceilings and Walls (flat surfaces)



Stack Miters (Walls)

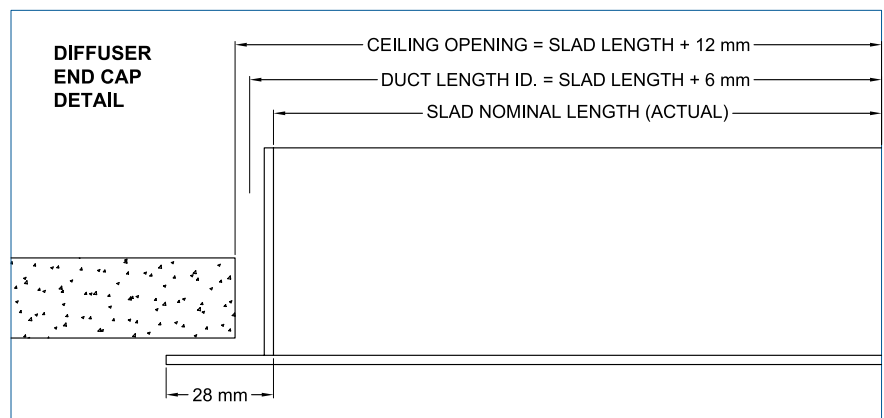
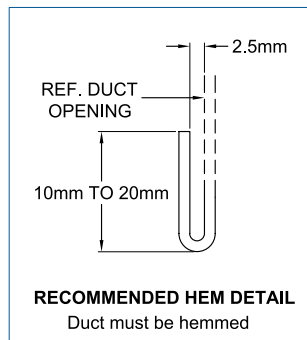


Dimensions



MODEL	KSLAD / KRLAD - F 75						
SLOT WIDTH	19mm (3/4") SLOT WIDTH						
	Dimensions in mm						
No. of Slots	C	D	E	F	G	H	J
1	76	46	57	40 to 60	75	29	19
2	114	84	95				
3	152	122	133				
4	191	160	171				
5	229	198	210				
6	267	236	248				
7	305	275	286				
8	343	313	324				

MODEL	KSLAD / KRLAD - F 100						
SLOT WIDTH	25mm (1") SLOT WIDTH						
	Dimensions in mm						
No. of Slots	C	D	E	F	G	H	J
1	89	59	64	40 to 60	83	32	25
2	140	109	114				
3	191	160	165				
4	241	211	216				
5	292	262	267				
6	343	313	318				
7	394	363	368				
8	445	414	419				



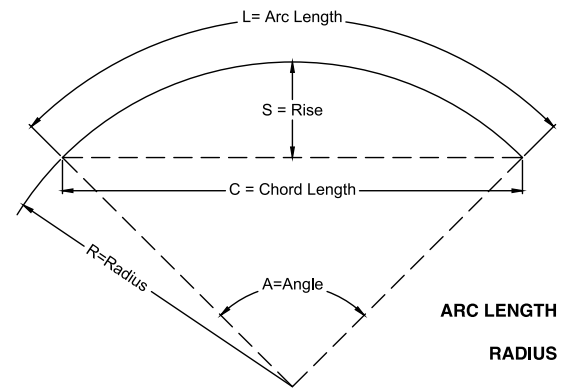
Curved Linear Diffusers

Model KRLAD - C

The KRLAD-C series can be curved to accent ceilings and walls or complement custom designs.

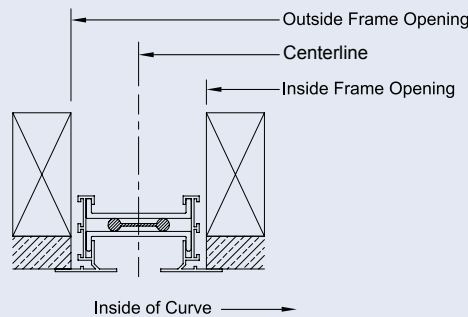
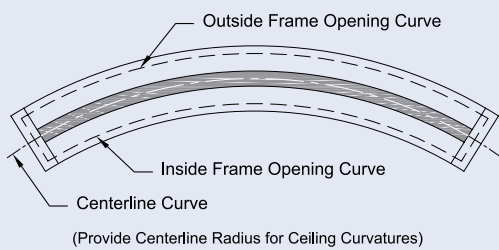
CURVE DIMENSIONS: Please specify final curve in terms of Arc Length and Radius, which can be calculated from any 2 given dimensions using an appropriate curve calculator.

Units are available in flat face, concave, or convex curves and in various slot widths (Consult Factory for limitations)

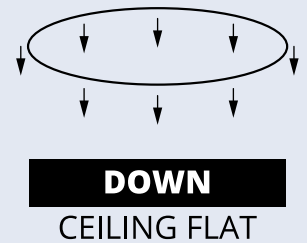


Ceiling Mounted Flat

FLAT - Ceiling Curve

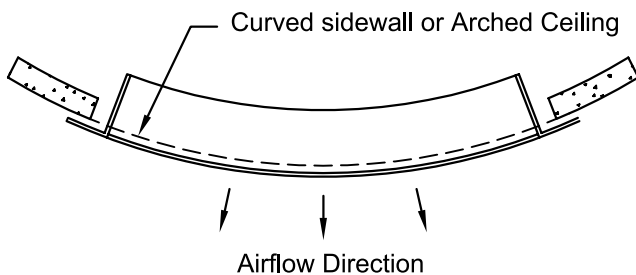


Direction of Air Flow

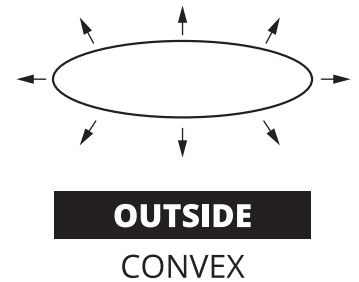


Convex Curvature

CONVEX - Slot Facing Outside Curve

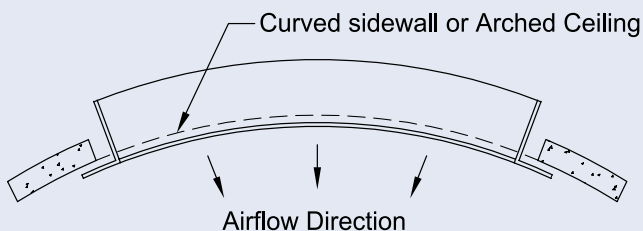


Direction of Air Flow



Convex Curvature

CONCAVE - Slot Facing Inside Curve



Direction of Air Flow

