

# Linear Slot Diffuser SLOT

GRILLES

DECORATIVE  
GRILLES

DIFFUSERS

SLOT  
DIFFUSERS

SWIRL  
DIFFUSERS

ACCESS  
DOORS

JETS &  
VALVES

FIRE  
DAMPERS

CONTROL  
DAMPERS

FLEXIBLE  
DUCTS

ACCESSORIES



## Description

Linear aluminum diffuser with adjustable blades.

## Application

Supply/ exhaust of the airflow

## Characteristics

Recommended for rooms between 2.60 to 4.00 meters in height.

The recommended temperature difference between supplied air and indoor air is  $\pm 10$  K.

Long run diffusers are made of assembled modules (maximum 3 meters full length). In this case the product is delivered with joining elements between modules.

Blades are used for air flow control.

On request, the diffuser can be made perimetral.

## Accessories

Insulated/Non-insulated adapter **ADP IZ/N**

Attachment spring **A**

## Materials and finishing

Extruded aluminum, electrostatic field painted white RAL 9016.

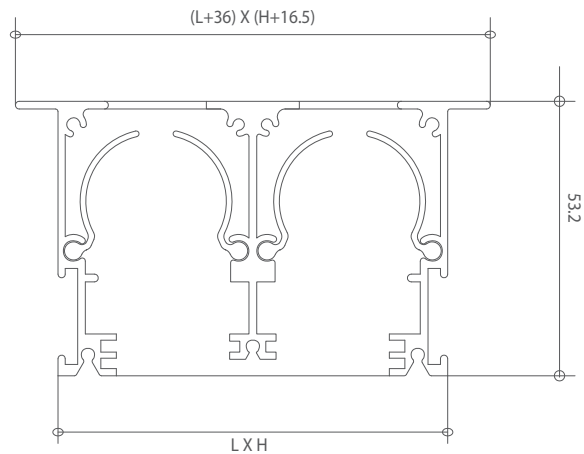
Other RAL colors available on request.

Anodised aluminium

## Assembly Methods

Attachment spring.

## Technical design



No. of slots	H interior (height) slot = 19 mm	H interior (height) slot = 25 mm
1	40	45
2	76	88
3	112	130
4	149	174
5	186	216
6	223	260
7	260	304
8	297	348

Selection table SLOT 19 mm

Air flow (m <sup>3</sup> /h)	No. of slots Ak (mp)	1 0.019
Length = 1000 mm		
33	X [m] (Horizontal)	1.00
	X [m] (Vertical)	1.00
	NR [dB(A)] ΔPt [pa]	- 0.98
67	X [m] (Horizontal)	2.00
	X [m] (Vertical)	2.00
	NR [dB(A)] ΔPt [pa]	- 4.02
106	X [m] (Horizontal)	4.00
	X [m] (Vertical)	3.00
	NR [dB(A)] ΔPt [pa]	15.00 9.22
140	X [m] (Horizontal)	5.00
	X [m] (Vertical)	4.00
	NR [dB(A)] ΔPt [pa]	21.00 16.18
173	X [m] (Horizontal)	5.00
	X [m] (Vertical)	4.00
	NR [dB(A)] ΔPt [pa]	27.00 25.40
206	X [m] (Horizontal)	6.00
	X [m] (Vertical)	5.00
	NR [dB(A)] ΔPt [pa]	31.00 36.38
240	X [m] (Horizontal)	7.00
	X [m] (Vertical)	5.00
	NR [dB(A)] ΔPt [pa]	35.00 49.52
279	X [m] (Horizontal)	7.00
	X [m] (Vertical)	5.00
	NR [dB(A)] ΔPt [pa]	38.00 64.72
312	X [m] (Horizontal)	8.00
	X [m] (Vertical)	5.00
	NR [dB(A)] ΔPt [pa]	41.00 82.18

Air flow (m <sup>3</sup> /h)	No. of slots Ak (mp)	4 0.076
Length = 1000 mm		
140	X [m] (Horizontal)	2.00
	X [m] (Vertical)	2.00
	NR [dB(A)] ΔPt [pa]	- 0.98
279	X [m] (Horizontal)	5.00
	X [m] (Vertical)	4.00
	NR [dB(A)] ΔPt [pa]	- 4.02
413	X [m] (Horizontal)	7.00
	X [m] (Vertical)	6.00
	NR [dB(A)] ΔPt [pa]	21.00 9.22
552	X [m] (Horizontal)	10.00
	X [m] (Vertical)	7.00
	NR [dB(A)] ΔPt [pa]	27.00 16.18
692	X [m] (Horizontal)	11.00
	X [m] (Vertical)	8.00
	NR [dB(A)] ΔPt [pa]	33.00 25.40
831	X [m] (Horizontal)	12.00
	X [m] (Vertical)	9.00
	NR [dB(A)] ΔPt [pa]	37.00 36.38
971	X [m] (Horizontal)	13.00
	X [m] (Vertical)	10.00
	NR [dB(A)] ΔPt [pa]	41.00 49.52
1105	X [m] (Horizontal)	14.00
	X [m] (Vertical)	10.00
	NR [dB(A)] ΔPt [pa]	44.00 64.72
1244	X [m] (Horizontal)	15.00
	X [m] (Vertical)	11.00
	NR [dB(A)] ΔPt [pa]	47.00 82.18

Air flow (m <sup>3</sup> /h)	No. of slots Ak (mp)	2 0.038
Length = 1000 mm		
67	X [m] (Horizontal)	1.00
	X [m] (Vertical)	1.00
	NR [dB(A)] ΔPt [pa]	- 0.98
140	X [m] (Horizontal)	3.00
	X [m] (Vertical)	3.00
	NR [dB(A)] ΔPt [pa]	- 4.02
206	X [m] (Horizontal)	5.00
	X [m] (Vertical)	4.00
	NR [dB(A)] ΔPt [pa]	18.00 9.22
279	X [m] (Horizontal)	7.00
	X [m] (Vertical)	5.00
	NR [dB(A)] ΔPt [pa]	24.00 16.18
346	X [m] (Horizontal)	8.00
	X [m] (Vertical)	6.00
	NR [dB(A)] ΔPt [pa]	30.00 25.40
413	X [m] (Horizontal)	9.00
	X [m] (Vertical)	6.00
	NR [dB(A)] ΔPt [pa]	34.00 36.38
485	X [m] (Horizontal)	9.00
	X [m] (Vertical)	7.00
	NR [dB(A)] ΔPt [pa]	38.00 49.52
552	X [m] (Horizontal)	10.00
	X [m] (Vertical)	7.00
	NR [dB(A)] ΔPt [pa]	41.00 64.72
625	X [m] (Horizontal)	11.00
	X [m] (Vertical)	8.00
	NR [dB(A)] ΔPt [pa]	44.00 82.18

Air flow (m <sup>3</sup> /h)	No. of slots Ak (mp)	5 0.095
Length = 1000 mm		
173	X [m] (Horizontal)	2.00
	X [m] (Vertical)	2.00
	NR [dB(A)] ΔPt [pa]	- 0.98
346	X [m] (Horizontal)	5.00
	X [m] (Vertical)	4.00
	NR [dB(A)] ΔPt [pa]	- 4.02
519	X [m] (Horizontal)	8.00
	X [m] (Vertical)	6.00
	NR [dB(A)] ΔPt [pa]	22.00 9.22
692	X [m] (Horizontal)	11.00
	X [m] (Vertical)	8.00
	NR [dB(A)] ΔPt [pa]	28.00 16.18
865	X [m] (Horizontal)	12.00
	X [m] (Vertical)	9.00
	NR [dB(A)] ΔPt [pa]	34.00 25.40
1038	X [m] (Horizontal)	14.00
	X [m] (Vertical)	10.00
	NR [dB(A)] ΔPt [pa]	38.00 36.38
1211	X [m] (Horizontal)	15.00
	X [m] (Vertical)	11.00
	NR [dB(A)] ΔPt [pa]	42.00 49.52
1384	X [m] (Horizontal)	16.00
	X [m] (Vertical)	12.00
	NR [dB(A)] ΔPt [pa]	45.00 64.72
1557	X [m] (Horizontal)	17.00
	X [m] (Vertical)	12.00
	NR [dB(A)] ΔPt [pa]	48.00 82.18

Air flow (m <sup>3</sup> /h)	No. of slots Ak (mp)	3 0.057
Length = 1000 mm		
106	X [m] (Horizontal)	2.00
	X [m] (Vertical)	2.00
	NR [dB(A)] ΔPt [pa]	- 0.98
206	X [m] (Horizontal)	4.00
	X [m] (Vertical)	3.00
	NR [dB(A)] ΔPt [pa]	- 4.02
312	X [m] (Horizontal)	6.00
	X [m] (Vertical)	5.00
	NR [dB(A)] ΔPt [pa]	19.00 9.22
413	X [m] (Horizontal)	8.00
	X [m] (Vertical)	6.00
	NR [dB(A)] ΔPt [pa]	26.00 16.18
519	X [m] (Horizontal)	10.00
	X [m] (Vertical)	7.00
	NR [dB(A)] ΔPt [pa]	32.00 25.40
625	X [m] (Horizontal)	11.00
	X [m] (Vertical)	8.00
	NR [dB(A)] ΔPt [pa]	36.00 36.38
725	X [m] (Horizontal)	12.00
	X [m] (Vertical)	9.00
	NR [dB(A)] ΔPt [pa]	40.00 49.52
831	X [m] (Horizontal)	12.00
	X [m] (Vertical)	9.00
	NR [dB(A)] ΔPt [pa]	43.00 64.72
932	X [m] (Horizontal)	13.00
	X [m] (Vertical)	10.00
	NR [dB(A)] ΔPt [pa]	46.00 82.18

Air flow (m <sup>3</sup> /h)	No. of slots Ak (mp)	6 0.114
Length = 1000 mm		
206	X [m] (Horizontal)	3.00
	X [m] (Vertical)	2.00
	NR [dB(A)] ΔPt [pa]	- 0.98
413	X [m] (Horizontal)	6.00
	X [m] (Vertical)	5.00
	NR [dB(A)] ΔPt [pa]	- 4.02
625	X [m] (Horizontal)	9.00
	X [m] (Vertical)	7.00
	NR [dB(A)] ΔPt [pa]	22.00 9.22
831	X [m] (Horizontal)	12.00
	X [m] (Vertical)	9.00
	NR [dB(A)] ΔPt [pa]	29.00 16.18
1038	X [m] (Horizontal)	14.00
	X [m] (Vertical)	10.00
	NR [dB(A)] ΔPt [pa]	35.00 25.40
1244	X [m] (Horizontal)	15.00
	X [m] (Vertical)	11.00
	NR [dB(A)] ΔPt [pa]	39.00 36.38
1451	X [m] (Horizontal)	16.00
	X [m] (Vertical)	12.00
	NR [dB(A)] ΔPt [pa]	43.00 49.52
1663	X [m] (Horizontal)	17.00
	X [m] (Vertical)	13.00
	NR [dB(A)] ΔPt [pa]	46.00 64.72
1869	X [m] (Horizontal)	18.00
	X [m] (Vertical)	14.00
	NR [dB(A)] ΔPt [pa]	49.00 82.18

Selection table SLOT 25 mm

Air flow (m <sup>3</sup> /h)	No. of slots Ak (mp)	1 0.025
Length = 1000 mm		
39	X [m] (Horizontal)	1.00
	X [m] (Vertical)	1.00
	NR [dB(A)] ΔPt [pa]	- 0.98
73	X [m] (Horizontal)	2.00
	X [m] (Vertical)	2.00
	NR [dB(A)] ΔPt [pa]	1.00 3.53
112	X [m] (Horizontal)	4.00
	X [m] (Vertical)	4.00
	NR [dB(A)] ΔPt [pa]	14.00 7.94
145	X [m] (Horizontal)	5.00
	X [m] (Vertical)	4.00
	NR [dB(A)] ΔPt [pa]	21.00 14.22
184	X [m] (Horizontal)	6.00
	X [m] (Vertical)	5.00
	NR [dB(A)] ΔPt [pa]	27.00 22.16
223	X [m] (Horizontal)	6.00
	X [m] (Vertical)	5.00
	NR [dB(A)] ΔPt [pa]	31.00 31.87
257	X [m] (Horizontal)	7.00
	X [m] (Vertical)	5.00
	NR [dB(A)] ΔPt [pa]	35.00 43.34
296	X [m] (Horizontal)	7.00
	X [m] (Vertical)	6.00
	NR [dB(A)] ΔPt [pa]	38.00 56.78
329	X [m] (Horizontal)	8.00
	X [m] (Vertical)	6.00
	NR [dB(A)] ΔPt [pa]	41.00 71.78

Air flow (m <sup>3</sup> /h)	No. of slots Ak (mp)	4 0.1
Length = 1000 mm		
145	X [m] (Horizontal)	2.00
	X [m] (Vertical)	2.00
	NR [dB(A)] ΔPt [pa]	- 0.98
296	X [m] (Horizontal)	5.00
	X [m] (Vertical)	5.00
	NR [dB(A)] ΔPt [pa]	- 3.53
441	X [m] (Horizontal)	7.00
	X [m] (Vertical)	7.00
	NR [dB(A)] ΔPt [pa]	20.00 7.94
591	X [m] (Horizontal)	10.00
	X [m] (Vertical)	9.00
	NR [dB(A)] ΔPt [pa]	27.00 14.22
737	X [m] (Horizontal)	12.00
	X [m] (Vertical)	9.00
	NR [dB(A)] ΔPt [pa]	33.00 22.16
882	X [m] (Horizontal)	13.00
	X [m] (Vertical)	10.00
	NR [dB(A)] ΔPt [pa]	37.00 31.87
1032	X [m] (Horizontal)	14.00
	X [m] (Vertical)	11.00
	NR [dB(A)] ΔPt [pa]	41.00 43.34
1177	X [m] (Horizontal)	15.00
	X [m] (Vertical)	12.00
	NR [dB(A)] ΔPt [pa]	44.00 56.78
1328	X [m] (Horizontal)	16.00
	X [m] (Vertical)	13.00
	NR [dB(A)] ΔPt [pa]	47.00 71.78

Air flow (m <sup>3</sup> /h)	No. of slots Ak (mp)	2 0.05
Length = 1000 mm		
73	X [m] (Horizontal)	1.00
	X [m] (Vertical)	2.00
	NR [dB(A)] ΔPt [pa]	- 0.98
145	X [m] (Horizontal)	4.00
	X [m] (Vertical)	3.00
	NR [dB(A)] ΔPt [pa]	- 3.53
223	X [m] (Horizontal)	5.00
	X [m] (Vertical)	5.00
	NR [dB(A)] ΔPt [pa]	17.00 7.94
296	X [m] (Horizontal)	7.00
	X [m] (Vertical)	6.00
	NR [dB(A)] ΔPt [pa]	24.00 14.22
368	X [m] (Horizontal)	8.00
	X [m] (Vertical)	7.00
	NR [dB(A)] ΔPt [pa]	30.00 22.16
441	X [m] (Horizontal)	9.00
	X [m] (Vertical)	7.00
	NR [dB(A)] ΔPt [pa]	34.00 31.87
513	X [m] (Horizontal)	10.00
	X [m] (Vertical)	8.00
	NR [dB(A)] ΔPt [pa]	38.00 43.34
591	X [m] (Horizontal)	10.00
	X [m] (Vertical)	9.00
	NR [dB(A)] ΔPt [pa]	41.00 56.78
664	X [m] (Horizontal)	11.00
	X [m] (Vertical)	9.00
	NR [dB(A)] ΔPt [pa]	44.00 71.78

Air flow (m <sup>3</sup> /h)	No. of slots Ak (mp)	5 0.125
Length = 1000 mm		
184	X [m] (Horizontal)	2.00
	X [m] (Vertical)	3.00
	NR [dB(A)] ΔPt [pa]	- 0.98
368	X [m] (Horizontal)	5.00
	X [m] (Vertical)	5.00
	NR [dB(A)] ΔPt [pa]	- 3.53
552	X [m] (Horizontal)	8.00
	X [m] (Vertical)	8.00
	NR [dB(A)] ΔPt [pa]	21.00 7.94
737	X [m] (Horizontal)	11.00
	X [m] (Vertical)	9.00
	NR [dB(A)] ΔPt [pa]	28.00 14.22
921	X [m] (Horizontal)	13.00
	X [m] (Vertical)	10.00
	NR [dB(A)] ΔPt [pa]	34.00 22.16
1105	X [m] (Horizontal)	14.00
	X [m] (Vertical)	12.00
	NR [dB(A)] ΔPt [pa]	38.00 31.87
1289	X [m] (Horizontal)	15.00
	X [m] (Vertical)	12.00
	NR [dB(A)] ΔPt [pa]	42.00 43.34
1473	X [m] (Horizontal)	16.00
	X [m] (Vertical)	13.00
	NR [dB(A)] ΔPt [pa]	45.00 56.78
1657	X [m] (Horizontal)	17.00
	X [m] (Vertical)	14.00
	NR [dB(A)] ΔPt [pa]	48.00 71.78

Air flow (m <sup>3</sup> /h)	No. of slots Ak (mp)	3 0.075
Length = 1000 mm		
112	X [m] (Horizontal)	2.00
	X [m] (Vertical)	2.00
	NR [dB(A)] ΔPt [pa]	- 0.98
223	X [m] (Horizontal)	4.00
	X [m] (Vertical)	4.00
	NR [dB(A)] ΔPt [pa]	- 3.53
329	X [m] (Horizontal)	6.00
	X [m] (Vertical)	6.00
	NR [dB(A)] ΔPt [pa]	19.00 7.94
441	X [m] (Horizontal)	9.00
	X [m] (Vertical)	7.00
	NR [dB(A)] ΔPt [pa]	26.00 14.22
552	X [m] (Horizontal)	10.00
	X [m] (Vertical)	8.00
	NR [dB(A)] ΔPt [pa]	31.00 22.16
664	X [m] (Horizontal)	11.00
	X [m] (Vertical)	9.00
	NR [dB(A)] ΔPt [pa]	36.00 31.87
776	X [m] (Horizontal)	12.00
	X [m] (Vertical)	10.00
	NR [dB(A)] ΔPt [pa]	40.00 43.34
882	X [m] (Horizontal)	13.00
	X [m] (Vertical)	10.00
	NR [dB(A)] ΔPt [pa]	43.00 56.78
993	X [m] (Horizontal)	13.00
	X [m] (Vertical)	11.00
	NR [dB(A)] ΔPt [pa]	46.00 71.78

Air flow (m <sup>3</sup> /h)	No. of slots Ak (mp)	6 0.15
Length = 1000 mm		
223	X [m] (Horizontal)	3.00
	X [m] (Vertical)	3.00
	NR [dB(A)] ΔPt [pa]	- 0.98
441	X [m] (Horizontal)	6.00
	X [m] (Vertical)	6.00
	NR [dB(A)] ΔPt [pa]	- 3.53
664	X [m] (Horizontal)	9.00
	X [m] (Vertical)	9.00
	NR [dB(A)] ΔPt [pa]	22.00 7.94
882	X [m] (Horizontal)	12.00
	X [m] (Vertical)	10.00
	NR [dB(A)] ΔPt [pa]	29.00 14.22
1105	X [m] (Horizontal)	14.00
	X [m] (Vertical)	12.00
	NR [dB(A)] ΔPt [pa]	34.00 22.16
1328	X [m] (Horizontal)	16.00
	X [m] (Vertical)	12.00
	NR [dB(A)] ΔPt [pa]	39.00 31.87
1546	X [m] (Horizontal)	17.00
	X [m] (Vertical)	14.00
	NR [dB(A)] ΔPt [pa]	43.00 43.34
1769	X [m] (Horizontal)	18.00
	X [m] (Vertical)	15.00
	NR [dB(A)] ΔPt [pa]	46.00 56.78
1986	X [m] (Horizontal)	19.00
	X [m] (Vertical)	16.00
	NR [dB(A)] ΔPt [pa]	48.00 71.78

## Annotation

- \* Ak [m<sup>2</sup>] - Free surface
- \* X [m] - Air jet length
- \* NR [dB(A)] - Noise level without the room attenuation
- \* ΔPt [pa] - Pressure loss

## Order codes

