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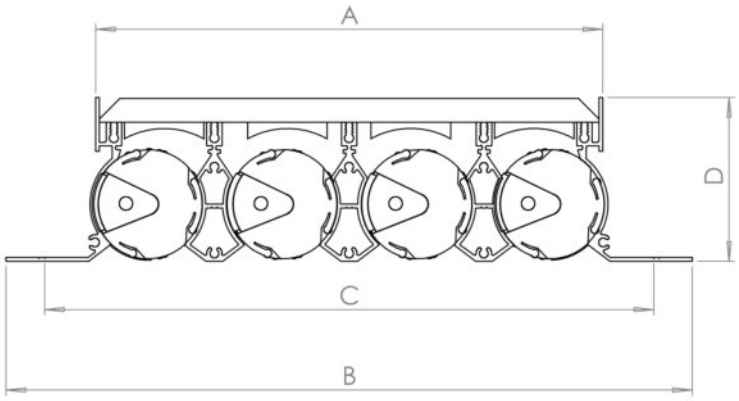
Slot Diffuser – Type BSD-HI-16/28

Fully manufactured from Aluminium Extrusion, our high induction Slot Diffuser has been designed for either ceiling or wall mounting.

The individual barrel arrangement creates micro jets of air to provide a high induction air flow, this rapidly reduces the supply air velocity and temperature differential, providing high comfort criteria.



Barrel Variations



HI-16	A	B	C	D
1 Slot	40.5	74.5	50.5	39
2 Slot	72	106	82	39
3 Slot	104	138	114	39
4 Slot	136	170	146	39

HI-28	A	B	C	D
1 Slot	47.6	114.6	57.6	59
2 Slot	86	153	96	59
3 Slot	135	202	145	59
4 Slot	184	251	194	59



Multi Directional

How to Order

Type	Barrel Width	Slot Qty	End Flange	RAL Colour	
BSD-HI			0	Face	Barrel
BSD-P	16 or 28	1 up to 4	1EF	RAL 9010	Black
BSD-PL			2EF		

Please contact our **Sales Office** *on 01924 444 174 for selection guidance on the above.*

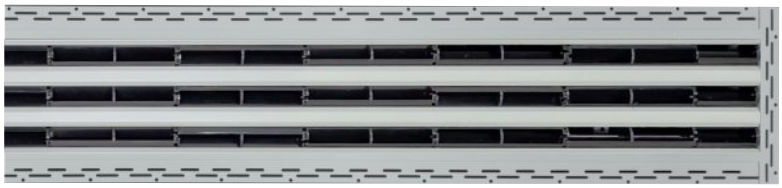
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Multiple Variations

Plaster In Frame - BSD-HI-P





Mitred Corner



Plank Slot Diffuser - BSD-HI-PL



Wide Flange - BSD-HI-W



Clip In Type - BSD-HI-M



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BSD-HI-16

Size											
1 SLOT	L/s	20	30	40	50	60	70				
	Throw m 0.25 - 0.5 m/s	1.6 - 0.8	2.4 - 1.2	3.2 - 1.6	4.0 - 2.0	4.8 - 2.4	5.6 - 2.8				
	Pa	3	7	12	19	28	38				
	NR	10	21	29	36	41	45				
2 SLOT	L/s	20	30	40	50	60	70	80	90	100	120
	Throw m 0.25 - 0.5 m/s	1.2 - 0.6	1.7 - 0.9	2.3 - 1.2	2.9 - 1.4	3.5 - 1.7	4.1 - 2.0	4.6 - 2.3	5.2 - 2.6	5.8 - 2.9	6.9 - 3.5
	Pa	1	3	6	9	13	18	23	29	36	52
	NR		7	15	22	27	31	35	38	41	46
3 SLOT	L/s	40	50	60	70	80	90	100	120	140	160
	Throw m 0.25 - 0.5 m/s	1.8 - 0.9	2.3 - 1.1	2.7 - 1.4	3.2 - 1.6	3.6 - 1.8	4.1 - 2.0	4.5 - 2.3	5.4 - 2.7	6.3 - 3.2	7.2 - 3.6
	Pa	4	6	8	11	14	18	22	32	43	56
	NR	7	14	19	23	27	30	33	38	43	46
4 SLOT	L/s	60	70	80	90	100	120	140	160	180	
	Throw m 0.25 - 0.5 m/s	2.2 - 1.1	2.6 - 1.3	3 - 1.5	3.4 - 1.7	3.7 - 1.9	4.5 - 2.2	5.2 - 2.6	6.0 - 3.0	6.7 - 3.4	
	Pa	6	8	11	14	17	24	33	43	55	
	NR	12	16	20	23	26	31	36	39	43	

BSD-HI-28

Size											
1 SLOT	L/s	20	30	40	50	60	70				
	Throw m 0.25 - 0.5 m/s	1.3 - 0.7	2.0 - 1.0	2.6 - 1.3	3.3 - 1.6	3.9 - 2.0	4.6 - 2.3				
	Pa	2	6	10	15	22	30				
	NR	1	12	20	27	32	36				
2 SLOT	L/s	20	30	40	50	60	70	80	90	100	120
	Throw m 0.25 - 0.5 m/s	0.9 - 0.5	1.4 - 0.7	1.8 - 0.9	2.3 - 1.2	2.8 - 1.4	3.2 - 1.6	1.7 - 1.8	4.2 - 2.1	4.6 - 2.3	5.5 - 2.8
	Pa	1	2	4	7	10	13	17	22	27	39
	NR	-	-	8	15	20	24	28	31	34	39
3 SLOT	L/s	40	50	60	70	80	90	100	120	140	160
	Throw m 0.25 - 0.5 m/s	1.4 - 0.7	1.8 - 0.9	2.1 - 1.1	2.5 - 1.3	2.9 - 1.4	3.2 - 1.6	3.6 - 1.8	4.3 - 2.1	5.0 - 2.5	5.7 - 2.9
	Pa	1	2	3	4	6	7	9	13	18	23
	NR	-	6	11	15	19	22	12	30	35	38
4 SLOT	L/s	60	70	80	90	100	120	140	160	180	200
	Throw m 0.25 - 0.5 m/s	2.0 - 1.0	2.3 - 1.2	2.7 - 1.3	3.0 - 1.5	3.3 - 1.7	4.0 - 2.0	4.7 - 2.3	5.3 - 2.7	6.0 - 3.0	6.7 - 3.3
	Pa	2	3	4	5	6	9	13	17	21	26
	NR	-	2	6	9	12	17	22	25	29	32
	L/s	220	240	250							
	Throw m 0.25 - 0.5 m/s	7.3 - 3.7	8.0 - 4.0	8.3 - 4.2							
	Pa	31	37	41							
	NR	34	37	38							

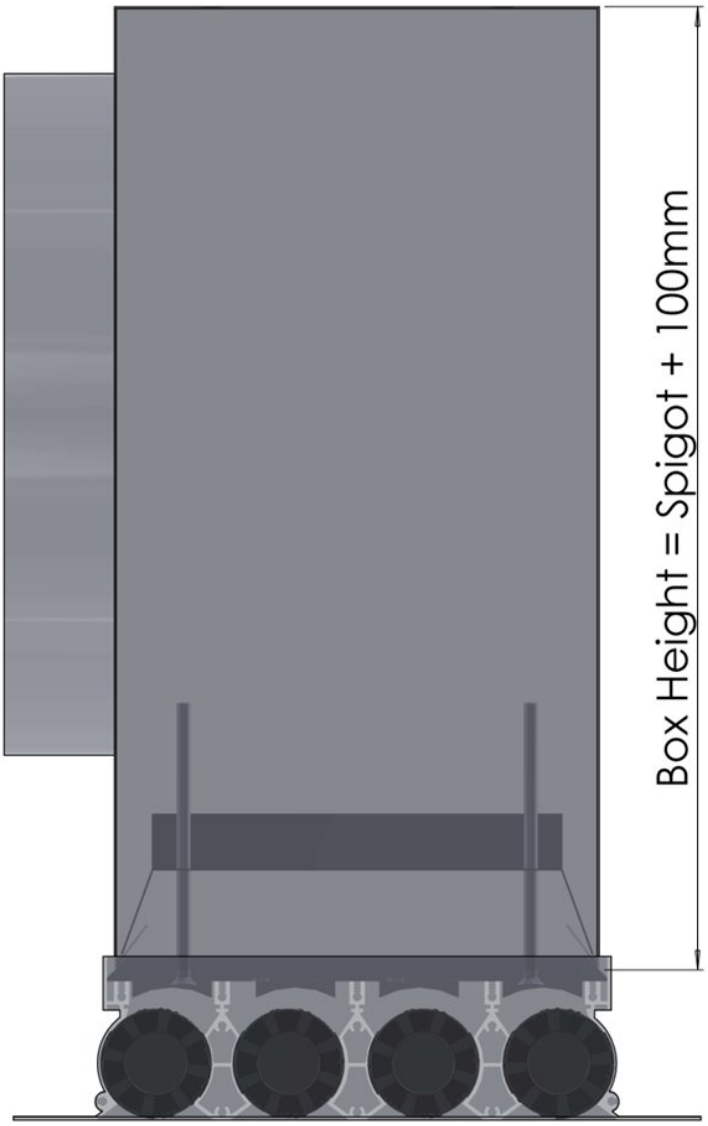
Data based on 1 Metre active length, further data can be found on our website by downloading our data calculator.

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Plenum Box Detail



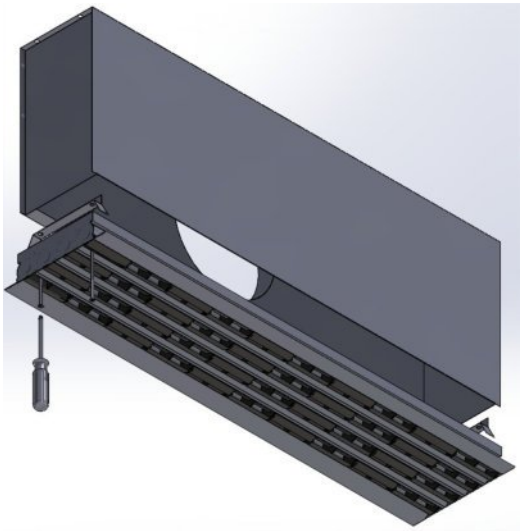


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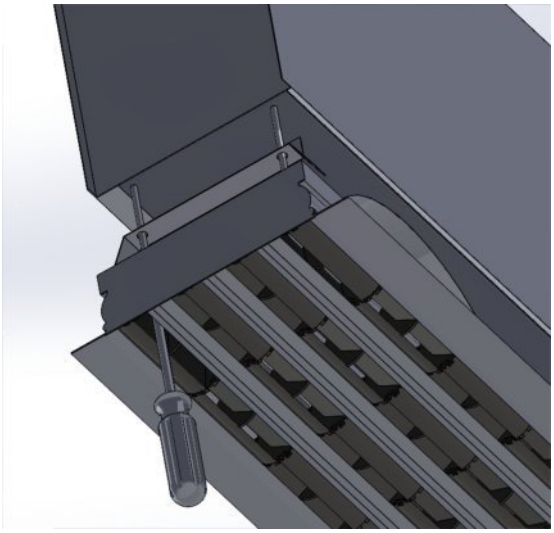
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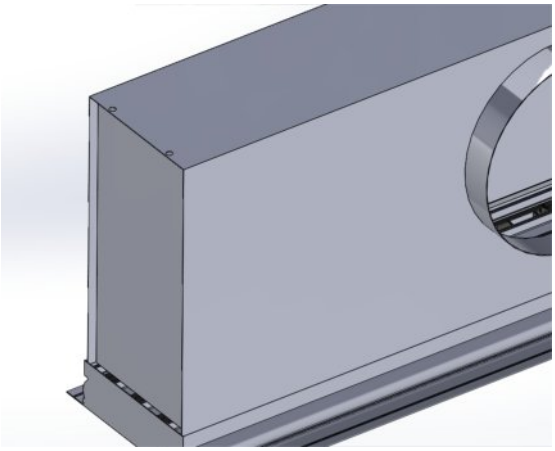
Fixing Detail



Insert a screw through the barrel and into the neck bracket attached to the high induction slot diffuser, screw through the plenum box bracket and repeat this for the remaining plenum box brackets.



Once the fixing brackets are connected to the screws the high induction slot diffuser can be pushed up to the plenum box, the plenum box brackets will spring out after passing through the hemmed edges and will then secure the high induction slot in the box.



Once the brackets are secure inside the box, tighten the screws until the box and high induction slot diffuser are fully joined together.

The plenum box can be suspended via drop rods or gripple wire through the holes at the top of the box

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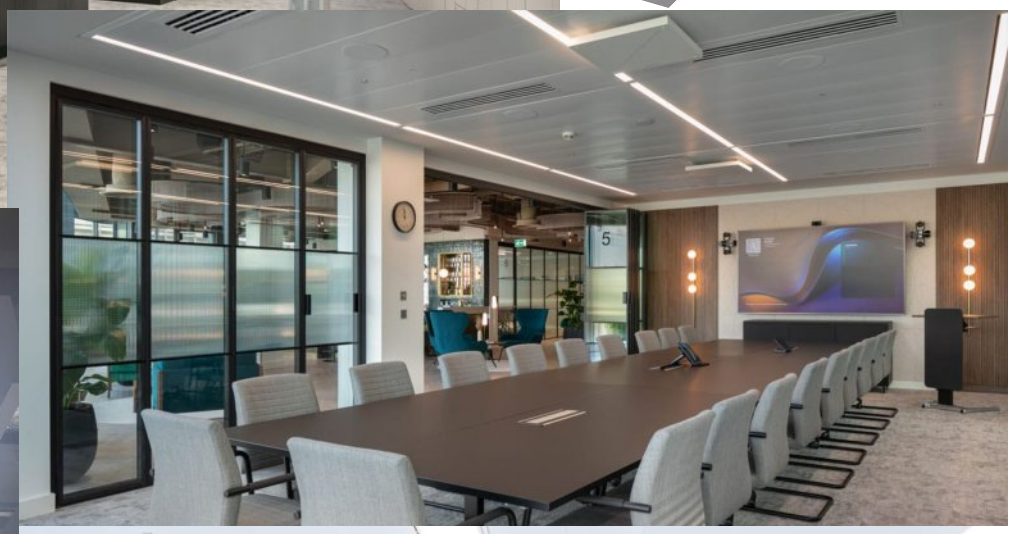
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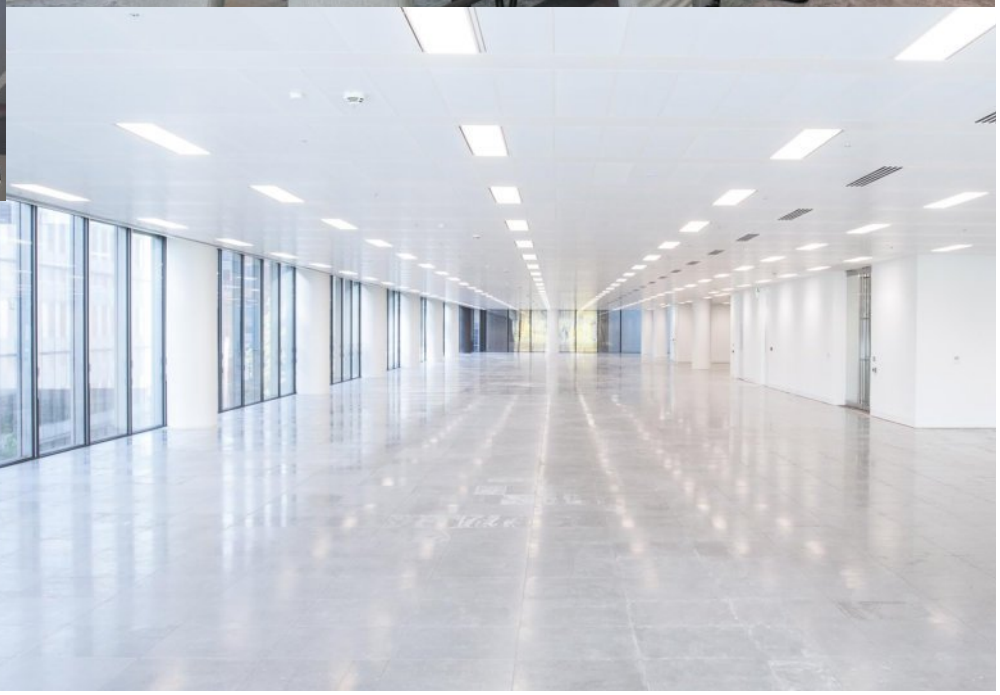
Slot Diffuser – Type BSD-HI-16/28











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