

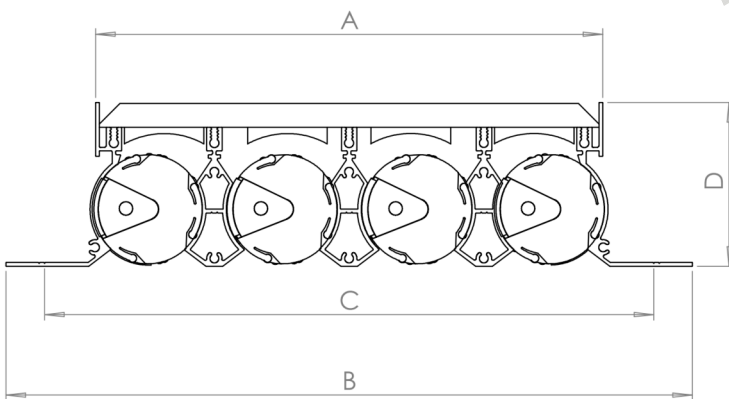
briteair Slot Diffuser – Type BSD-HI-16/28

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.

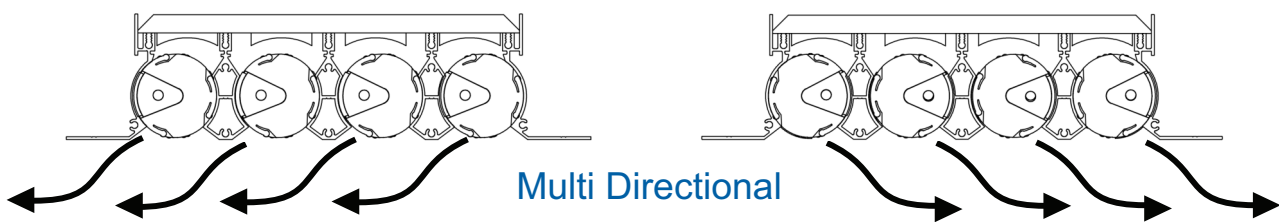


Multiple Variations



| 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 |



How to Order

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

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



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 Unit 2 Norquest Industrial Park, Pennine View, Birstall West Yorkshire WF17
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www.briteair.co.uk

briteair Slot Diffuser – Type BSD-HI-16/28

BSD-HI-16

| Size | | 20 | 30 | 40 | 50 | 60 | 70 | | | | |
|--------|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 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 | |

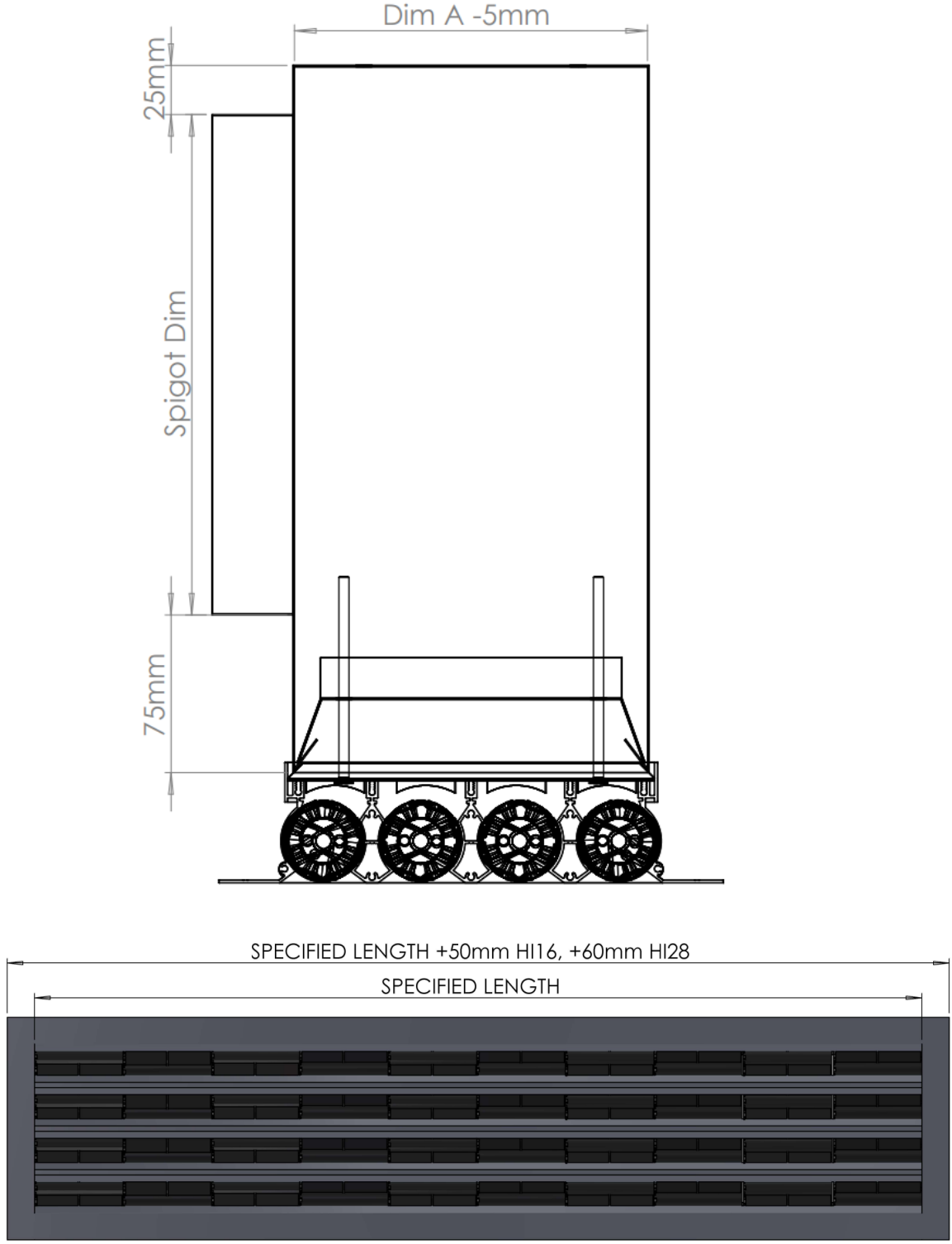
BSD-HI-28

| Size | | 20 | 30 | 40 | 50 | 60 | 70 | | | | |
|--------|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 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 | | | | | | | |
| | NR | 34 | 37 | 38 | | | | | | | |

further data can be found on our website by downloading our data calculator.

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

Plenum Box Detail



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