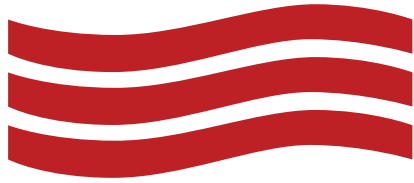


AIRFOIL



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**EYEBALL JET NOZZLE DIFFUSER
EJND-500**



EYEBALL JET NOZZLE DIFFUSER EJND-500

PRODUCT DESCRIPTION AND APPLICATION

Airfoil's Eyeball Jet Nozzle Diffuser (EJND-500) is crafted from lightweight yet durable aluminum, representing one of the market's most sought-after and top-quality diffusers. Engineered to propel large volumes of air across significant distances, this diffuser is designed for superior performance.

Air is channeled through its inner concave cylinder eyeball, projecting at a 30° throw radius, ensuring swift acceleration through the 256mm opening of the diffuser. With a nominal neck size of 543mm and an exact neck size of 495mm, complemented by a front fascia frame size of 620mm, installation is convenient, aided by the easily removable front fascia.

The EJND-500 boasts a significant advantage: its manually adjustable 360° rotating eyeball. This feature allows for precise directional airflow control, directing air precisely to targeted areas as needed.

While available in our standard white range, this diffuser can be customised with a powder-coated finish to match any specified colour upon request. Ideal for a wide range of settings including international and domestic airports, shopping centres, universities, theatres, function rooms, hotel lobbies, auditoriums, cinemas, or any commercial open-plan areas requiring high-velocity horizontal or vertical air discharge.

EYEBALL JET NOZZLE DIFFUSER EJND-500

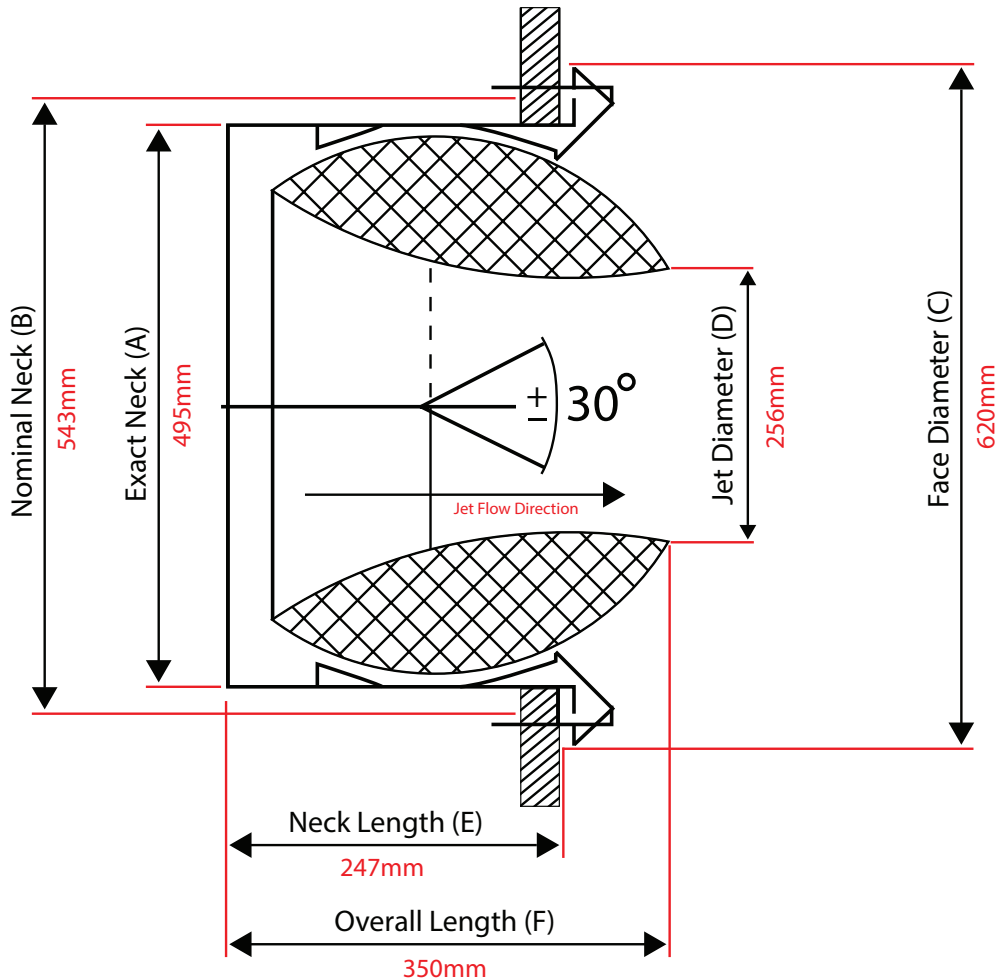
PRODUCT SPECIFICATIONS AND INFORMATION

- **Product ordering code – EJND-500**
- Manufactured from light weight high grade spun aluminium
- Exact neck size 495mm
- Nominal neck size 543mm
- Opening front jet diameter 247mm
- Face diameter size 620mm
- Manually adjustable 360 degree rotating eyeball designed for precise directional airflow control to a targeted area
- Used for supply air heating and cooling
- Perfect for long and short air throws
- Designed for high velocity horizontal and vertical air discharge
- Comes complete with removable front fascia for easy installation
- Product can be fixed to high ceiling spaces, square and round duct work
- Available in 7 different sizes
- Available in our standard white powder-coated range
- Special powder-coated colours available on request
- Product suitable for international or domestic airports, shopping centres, universities, theatres, function rooms, hotel lobbies, auditoriums, cinemas or any commercial opened planned area
- Airfoil tested information available



EYEBALL JET NOZZLE DIFFUSER EJND-500

CROSS SECTIONAL DIAGRAM



| ORDERING CODE | EXACT NECK | NOMINAL NECK | FACE DIAMETER | JET DIAMETER | NECK LENGTH | OVERALL LENGTH |
|---------------|------------|--------------|---------------|--------------|-------------|----------------|
| | A | B | C | D | E | F |
| EJND-500 | 495mm | 543mm | 620mm | 256mm | 247mm | 350mm |



DISCLAIMER:

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EYEBALL JET NOZZLE DIFFUSER EJND-500

PERFORMANCE DATA

| | Jet Flow Rate (lit/sec) | 250 (l/s) | 300 (l/s) | 400 (l/s) | 500 (l/s) | 600 (l/s) |
|----------|-------------------------|-----------|-----------|-----------|-----------|-----------|
| EJND-500 | Pressure Loss (Pa) | 10 | 15 | 27 | 41 | 61 |
| | Sound Level (dBa) | <20 | <20 | 27 | 34 | 39 |
| | Throw (m) | 16 | 19.5 | 28 | 37 | 46 |

