



## TECHNICAL DATA SHEET

### ET 50

#### HELMET MOUNTED EAR MUFF

#### Product Introduction:

- UDYOGI ET 50 Industrial earmuffs made of ABS (Acrylonitrile Butadiene Styrene) cups offer several distinctive features that enhance their productivity
- Compatible with Udyogi Ultra 5000 series helmets.



#### Features:

- These helmet mountable earmuffs quickly and easily attach to UDYOGI ULTRA 5000 SERIES helmets.
- Can be used with a combination of face shield
- Made of high impact, heat resistant, moisture Co-polymer.
- The earmuffs reduce pressure on the eardrum through strategic air openings that ensure equalized pressure.
- Soft padding on ABS cups provides a comfortable seal around the ears, reducing pressure and enhancing comfort for long-term use.

#### Benefits:

- **Cost-Effective:** ET-50 provides high performance at a low cost. Hence it is a cost effective product.
- **Safety Compliance:** ET-50 earmuffs provide reliable and consistent noise reduction, ensuring compliance with safety regulations. This can prevent potential fines or penalties related to non-compliance.
- **Easy to Clean:** Co-polymer surfaces are smooth and non-porous, making them easy to wipe clean and maintain.
- **Recyclable:** ABS is a thermoplastic, meaning it can be melted down and reformed multiple times without significantly degrading its properties. This makes it inherently recyclable



### Product Specifications:

**Model:** ET 50 (HELMET MOUNTED EAR MUFF)  
**Product Type:** Helmet mounted ear muff  
**Cup Material:** Co-polymer, Dual mould  
**Inserts:** PU (Polyurethane foam)  
**Cushions:** Foam with PVC black lid  
**Metal Spring:** SS (Stainless Steel)  
**Clip material:** Polycarbonate  
**Weight:** 290 grams.  
**Testing Frequency Ranges (Hz):** 125, 1000, 8000  
**Attenuation Results (dB):** 34(High); 27(Medium); 21(Low)  
**Attenuation ratings:** SNR:28 dB ; NRR:23 dB  
**Color:** Black/Blue  
**Packaging:** 20 pair per carton  
**Standard:** EN352-3:2002

### Construction



**Insert:** Inner Foam Paded cushion

### Applications :

- ET 50 is widely used across various fields to provide essential hearing protection, enhance safety, and improve comfort and productivity.
- These are crucial in any setting where exposure to high noise levels is a concern, ensuring workers' hearing health and compliance with safety regulations.
- Used to reduce protect from dust and water

### Industry :

These helmets are utilized for their protective and practical features in various industries such as



Steel



Aviation



Cement Industry



Power



General  
Manufacturing



Forestry &  
Logging



Food  
Processing



Pharmaceutical



Chemical



Mining



Oil & Gas



Construction



Railroad  
Industry



Automobile



**Safety Information :**

- This product contains metallic components that may increase electricity hazard.
- This must be regularly inspected for cracked parts and replaced as needed. Life for foam cushion is approx 6 months.

**Usage Instructions :**

- Insert Udyogi Ear Muff jack into the ULTRA helmet's adapter slots until they snap into place with a click sound
- Bring the Ear Muff cups down to ear position by turning it into circular motion
- Make sure the Ear Muff cups and the cup holding bands are not in contact with the outer lining or the edge of the hard hat when in the 'usage' position, otherwise it may leak
- Push the Ear Muff jack for dismantling

**Storage :**

- Stored and transported in their original cartons at ambient temperature (0°C to + 30°C)
- May be stored in the dark for up to 1 year
- Do not store in direct / high heat or sunlight as this may distort the shell