

# Technical data sheet

## 0032A I.S. EX headset

Art. no 15494 and 17146



### DESCRIPTION:

0032A is an **Intrinsically Safe** hearing protective headset for use together with Batteryless Telephone System (Sound Powered Telephones) in noisy environments within **Hazardous Areas**. The headset is equipped with high attenuating shells with optimised acoustic design and excellent space for the ears for the best possible sound quality and comfort. The headset microphone is a quick positioning noise cancelling boom microphone. The microphone is connected to the circuit by means of a momentary/alternate chest PTT switch

### FEATURES:

- 3M™ PELTOR MT7H79B-50
- ATEX approved headset: Ex ib IIC T4
- Excellent noise performance microphone
- High attenuating ear shells
- Permanently connection to a 4005/4016 BTS telephone
- 10m or 15m cable



### ELECTRICAL SPECIFICATIONS:

Termination	Flying leads
Microphone	Dynamic, Noise Cancelling (12dB), 230Ω, 4mV, 70-9000Hz
Earphone	50Ω, 81dBA at 0.5V/1kHz
Compass safe distance	>5m

### ENVIRONMENTAL SPECIFICATIONS:

Temperature	-20°C to +50°C
Humidity	+93% (at +40°C)
Protection	IP 54 (when worn on)
Attenuation rating (HML)	H=33dB / M=32dB / L=24dB
Attenuation rating (SNR)	33 dB

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### MECHANICAL SPECIFICATIONS:

Dimension (HxD)	Approximately 200x95mm
Weight	0.7kg
Colour	RAL 9006
Cable	15353: 10m flexible durable cable 17145: 15m flexible durable cable
Manufacturer	Jotron AS (3M™ Peltor MT7H79A-50)

### CERTIFICATES / COMPLIANCES:

Exi Certification: IECEx NEM 09.0004X / Nemko 09ATEX1114X
Complies to IEC 60945 Marine equipment
Complies to IEC 60945 Marine equipment
PPE directive 89/686/EEC
Applicable parts of EN352-1:1993

### SAFETY PARAMETERS FOR INTRINSICALLY SAFE CONNECTION:

Maximum input voltage	Ui=14V
Maximum input current	Ii=350mA
Maximum input power	Pi=1.3W
Maximum internal capacitance	Ci=Negligible
Maximum internal inductance	Li=0.8mH, Li/Ri:=3.1μH/Ohm

### PRODUCT RELATED TO:

BTS 4005, BTS 4016	Intrinsically Safe (I.S. / Exi) Batteryless Telephones
BTS 4004, BTS 4015	Intrinsically Safe Buffer Unit
11220	Bracket for headset

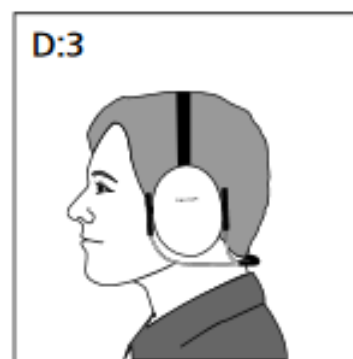
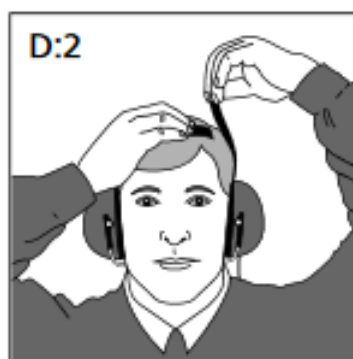
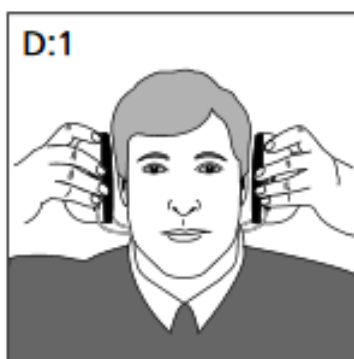
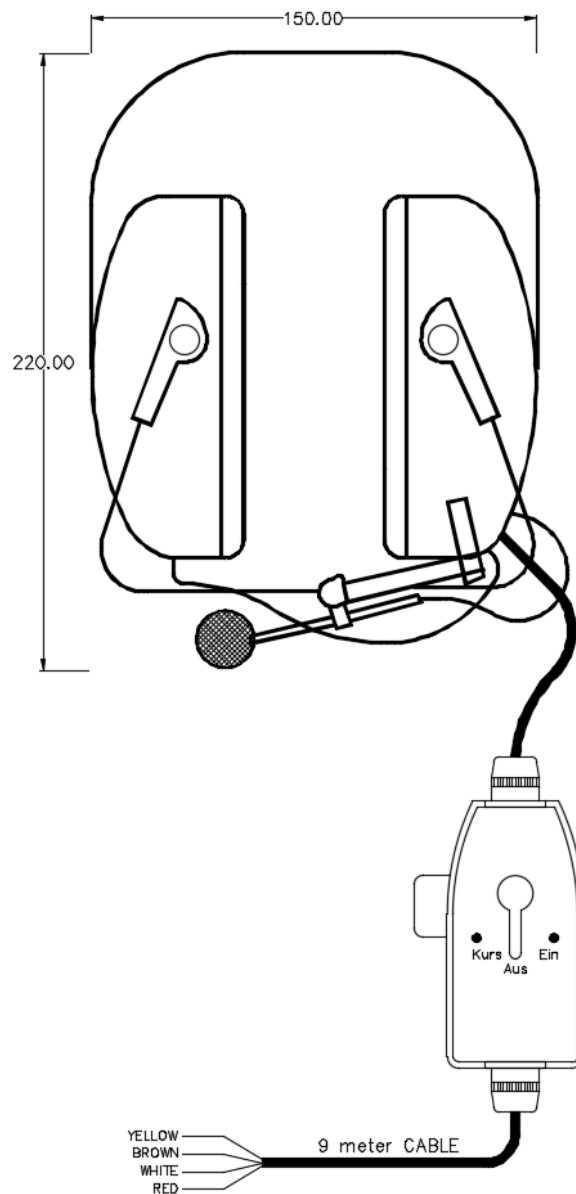
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### DIMENSION / LAYOUT



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