TECHNICAL DATA SHEET

SANA PASSIVE HEADBAND MOUNTED HEARING PROTECTION RANGE

140
A BRITISH BRAND
SINCE 1879

CENTURION®
WHEN CLARITY COUNTS

SANA HEADBAND MOUNTED EAR DEFENDERS

The new Centurion Sana Ear Defenders offer a wide range of attenuation levels, from 26dB to 36dB, to suit the majority of industrial environments, providing protection against light industry noise through to extremely high noise levels. The Sana range was developed to provide superior performance and enhanced comfort and fit.

FEATURES AND BENEFITS

- Stylish cup design in matt Black with gloss features and carbon fibre finish headband with white contrast stitching
- Colour coded ring and front printing for easy identification and selection of the correct attenuation level
- Easy to adjust headband for quick personalised fit
- Padded headband and soft wide cushions for maximum comfort
- Approved to EN 352-1 and ANSI S3.19
- The Sana ear defender range is also available as helmet mounted versions

Sana 26

MARKETS

- Construction and Buildings. Civil Engineering.
- Utilities Maintenance, Sustainable Energy Oil, Gas and Mining
- Logistics and Transportation,
- Automotive and Aerospace
- Engineering
- Chemicals, Pharmaceutical
- FMCG, Food and Drink, Pulp + Paper, Packaging, Recycling, Agriculture
- Petroleum

Sana 31

Sana 36

SPECIFICATION

Product	Product code	Colour	Weight
Sana 26	9943640	Black with Green ring	231g
Sana 31	9943641	Black with Yellow ring	232g
Sana 36	9943642	Black with Red ring	349g

MATERIALS

Cup	ABS (Acrylonitrile-Butadiene-Styrene)
Foam	PU (Polyurethane)
Cushion	PU (Polyurethane)
Arms	Steel
Headband	PU (Polyurethane) covered, with EVA (Ethylene Vinyl Acetate) Foam and PA (Polyamide/Nylon) end caps

ATTENUATION DATA TESTED ACCORDING TO EN352-1:2020

SANA 26

Frequency (Hz)	125	250	500	1000	2000	4000	8000	SNR
Mean Attenuation (dB)	10.9	17.0	23.1	36.5	37.5	41.3	38.2	26 dB
Standard Deviation (dB)	2.9	2.7	3.4	4.2	4.2	4.4	4.7	
Assumed Protection Value (dB)	8.0	14.3	19.6	32.4	33.3	37.0	33.5	

SNR_m = 28.7 H= 34dB Hm = 36.7 H_s = 2.8
SNR_s = 2.4 M = 24dB M_m = 26.2 M_s = 2.6
SNR (dB) = 26.0 L = 15dB L_m = 18.0 L_s = 2.5

SANA 31

Frequency (Hz)	125	250	500	1000	2000	4000	8000	SNR
Mean Attenuation (dB)	19.8	19.9	29.9	41.2	38.7	36.7	36.9	31 dB
Standard Deviation (dB)	2.3	2.7	1.9	3.5	3.0	2.4	3.5	
Assumed Protection Value (dB)	17.5	17.2	28.0	37.6	35.7	34.3	33.4	

SNR_m = 33.0 H= 36dB H_m = 37.6 H_s = 1.6
SNR_s = 1.7 M = 29dB M_m = 31.0 M_s = 2.0
SNR (dB) = 31.0 L = 21dB L_m = 23.5 L_s = 2.3

SANA 36

Frequency (Hz)	125	250	500	1000	2000	4000	8000	SNR
Mean Attenuation (dB)	24.0	25.4	39.1	43.8	39.2	40.4	39.3	36 dB
Standard Deviation (dB)	2.7	2.9	3.1	3.4	3.2	3.4	2.9	
Assumed Protection Value (dB)	21.4	22.5	36.1	40.4	36.0	37.0	36.4	

SNR_m = 37.7 H= 37dB H_m = 39.8 H_s = 2.6
SNR_s = 2.1 M = 34dB M_m = 36.3 M_s = 2.3
SNR (dB) = 36.0 L = 26dB L_m = 28.9 L_s = 2.7

ATTENUATION DATA TESTED ACCORDING TO ANSI S3.19-1974

SANA 26

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR
Mean Attenuation (dB)	12.5	17.6	24.4	37.3	37.2	38.0	40.5	37.8	36.9	21dB
Standard Deviation (dB)	2.7	2.8	2.9	2.8	2.2	3.8	3.6	4.1	4.7	

SANA 31

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR
Mean Attenuation (dB)	18.4	19.3	29.9	42.4	39.3	38.9	35.8	37.4	36.9	25dB
Standard Deviation (dB)	1.9	2.1	2.3	3.6	3.6	3.1	3.1	3.9	4.3	

SANA 36

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR
Mean Attenuation (dB)	24.1	25.6	39.4	45.6	41.0	41.8	41.2	40.7	40.1	30dB
Standard Deviation (dB)	2.2	2.0	3.1	3.9	3.7	3.9	3.8	3.1	3.9	

Care and Maintenance

Storage
Can be stored and transported in their original cartons at ambient temperature (-20°C to +55°C).
May be stored in the dark for up to 5 years.
Do not store in direct/high heat or sunlight as this may distort the shell.

Lifetime:
The Centurion ear defenders have an in-use life of up to 5 years.
Excessive wear and tear can considerably reduce the lifespan of the product.

Cleaning:
Clean using warm soapy water and soft cloth.

Maintenance:
Check before use that all parts are undamaged. Ear Defenders and in particular cushions may deteriorate with use and should be examined at regular internals for cracking and leakage. Hygiene kits with replaceable cushions and foam pieces are available from Centurion.

Disposal:
Recycling is preferred when possible. Look out for the recycling symbol for material category.

Accessories - Hygiene Kits

Product	Product code	Content
Sana 26	9946467	2 x cushions and 2 x foam pieces for a pair of ear defenders
Sana 31	9946468	
Sana 36	9946469	

PACKAGING:

Product	Individual box dimensions	Individual box weight including pair of ear defenders	Outer box dimensions	Outer box weight including 10 pairs of ear defenders
Sana 26	14 x 11 x 18.5cm	0.34kg	57 x 30 x 20cm	3.9kg
Sana 31	14 x 11 x 18.5cm	0.34kg	57 x 30 x 20cm	3.9kg
Sana 36	16 x 11 x 18.5cm	0.46kg	57 x 33.5 x 20cm	5.0kg

Product Codes and Bar Codes

Product code	Description	Case bar code	Unit bar code
9943640	Sana 26 Headband Mounted Ear Defenders	05056375417610	05056375417627
9943641	Sana 31 Headband Mounted Ear Defenders	05056375417634	05056375417641
9943642	Sana 36 Headband Mounted Ear Defenders	05056375417658	05056375417665

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