TECHNICAL DATA SHEET

SANA PASSIVE HEADBAND MOUNTED HEARING PROTECTION RANGE



APPLICATIONS

Construction and civil engineering; utilities maintenance and sustainable energy; oil, gas and mining; logistics and transportation; automotive and aerospace; engineering; chemicals and pharmaceuticals; FMCG, food and drink, pulp and paper, packaging, recycling and agriculture; petroleum.

PRODUCT OVERVIEW

Centurion Sana headband ear defenders offer attenuation levels from 26 dB to 36 dB for a wide range of industrial environments, from light industry to extremely high noise. The range was developed for strong performance, comfort and fit.

FEATURES AND BENEFITS

- Stylish matt black cups with gloss details and a carbon-fibre-finish headband with white contrast stitching
- Colour-coded ring and front marking identify the attenuation level
- Easy-to-adjust headband for a quick, personalised fit
- Padded headband and soft, wide cushions for comfort
- Approved to EN 352-1 and ANSI S3.19
- Helmet-mounted versions are also available

PRODUCT SPECIFICATIONS



Sana 26
Black / Green



Sana 31
Black / Yellow



Sana 36
Black / Red

Model	Product code	Cup / ring colour	Weight
Sana 26	9943640	Black / Green	231 g
Sana 31	9943641	Black / Yellow	232 g
Sana 36	9943642	Black / Red	349 g

MATERIALS

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

EN 352-1:2020 ATTENUATION DATA

Mean attenuation, standard deviation (SD) and assumed protection value (APV), in dB.

Sana 26 | SNR 26 dB

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean (dB)	10.9	17.0	23.1	36.5	37.5	41.3	38.2
SD (dB)	2.9	2.7	3.4	4.2	4.2	4.4	4.7
APV (dB)	8.0	14.3	19.6	32.4	33.3	37.0	33.5

Sana 31 | SNR 31 dB

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean (dB)	19.8	19.9	29.9	41.2	38.7	36.7	36.9
SD (dB)	2.3	2.7	1.9	3.5	3.0	2.4	3.5
APV (dB)	17.5	17.2	28.0	37.6	35.7	34.3	33.4

Sana 36 | SNR 36 dB

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean (dB)	24.0	25.4	39.1	43.8	39.2	40.4	39.3
SD (dB)	2.7	2.9	3.1	3.4	3.2	3.4	2.9
APV (dB)	21.4	22.5	36.1	40.4	36.0	37.0	36.4

SUMMARY VALUES

Metric	Sana 26	Sana 31	Sana 36
SNRm	36.7	37.6	39.8
SNRs	2.8	1.6	2.6
SNR	26	31	36
H	34	36	37
Hm	36.7	37.6	39.8
Hs	2.8	1.6	2.6
M	24	29	34
Mm	26.2	31.0	36.3
Ms	2.6	2.0	2.3
L	15	21	26
Lm	18.0	23.5	28.9
Ls	2.5	2.3	2.7

SNR, H, M and L are reported attenuation ratings in dB; m = mean, s = standard deviation.

ANSI S3.19-1974 ATTENUATION DATA

Mean attenuation and standard deviation (SD), in dB. NRR is the Noise Reduction Rating.

Sana 26 | NRR 21 dB

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

Sana 31 | NRR 25 dB

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

Sana 36 | NRR 30 dB

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

SUMMARY VALUES

Sana 26 | NRR 19 dB

Sana 31 | NRR 24 dB

Sana 36 | NRR 28 dB



SANA HEADBAND-MOUNTED EAR DEFENDERS

CARE AND MAINTENANCE

Storage

Store and transport in the original cartons at -20°C to +55°C. The products may be stored in the dark for up to 5 years. Avoid direct sunlight and high heat, which may distort the shell.

Service life

Centurion ear defenders have an in-use life of up to 5 years. Excessive wear can considerably reduce product life.

Cleaning

Clean with warm soapy water and a soft cloth.

Inspection

Before use, check that all parts are undamaged. Ear defenders, especially cushions, may deteriorate with use. Examine them regularly for cracks or leakage. Replacement hygiene kits with cushions and foam pieces are available.

Disposal

Recycling is preferred where possible. Follow the recycling symbol for the material category.

ACCESSORIES – HYGIENE KITS

Each kit contains 2 cushions and 2 foam pieces for one pair of ear defenders.

Model	Product code
Sana 26	9946467
Sana 31	9946468
Sana 36	9946469

PACKAGING AND LOGISTICS

Model	Individual box dimensions (cm)	Pair weight (kg)	Outer carton, 10 pairs (cm)	Outer carton weight (kg)
Sana 26	14 × 11 × 18.5	0.34	57 × 30 × 20	3.9
Sana 31	14 × 11 × 18.5	0.34	57 × 30 × 20	3.9
Sana 36	16 × 11 × 18.5	0.46	57 × 33.5 × 20	5.0

PRODUCT CODES AND BARCODES

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



Sana 26



Sana 31



Sana 36