TECHNICAL DATA SHEET

SANA PASSIVE HELMET MOUNTED HEARING PROTECTION RANGE



APPLICATIONS

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

PRODUCT OVERVIEW

Centurion Sana ear defenders offer attenuation from 25 dB to 34 dB for a wide range of industrial environments, from light industry to very high noise. Designed for performance, comfort and fit, they are compatible with Centurion helmets and face protection.

KEY FEATURES

- Matte black cups with gloss finish
- Colour-coded ring and front marking identify attenuation level
- Adjustable steel arms
- Compatible with Centurion helmets and face protection
- Soft, wide cushions for comfort
- Approved to EN 352-3 and ANSI S3.19
- Headband-mounted version also available

PRODUCT SPECIFICATIONS



Sana 25
Black / Green



Sana 30
Black / Yellow



Sana 34
Black / Red

Model	Product code	Cup / ring colour	Weight
Sana 25	9943634	Black / Green	243 g
Sana 30	9943638	Black / Yellow	246 g
Sana 34	9943639	Black / Red	365 g

Fitting: Euro / Connect / Contour clips; all Centurion helmets

MATERIALS

Cup: ABS (Acrylonitrile-Butadiene-Styrene) • Foam: PU (Polyurethane) • Cushion: PU (Polyurethane) • Arms: Steel • Adaptor: PA (Polyamide/Nylon) • Clips: PA (Polyamide/Nylon)

EN 352-3:2020 ATTENUATION DATA

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

Sana 25 | SNR 25 dB

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean (dB)	9.3	16.4	22.5	33.9	36.4	37.5	35.3
SD (dB)	3.2	3.5	2.5	3.5	2.9	3.2	4.5
APV (dB)	6.1	12.9	20.0	30.3	33.5	34.3	30.7

Sana 30 | SNR 30 dB

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean (dB)	17.1	19.9	27.5	39.5	38.4	37.5	39.4
SD (dB)	3.3	2.5	3.2	2.4	3.1	3.5	3.6
APV (dB)	13.8	17.4	24.3	37.2	35.3	34.0	35.9

Sana 34 | SNR 34 dB

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean (dB)	22.3	24.4	33.6	41.5	37.1	38.9	39.2
SD (dB)	3.0	2.5	3.1	3.6	3.1	2.8	3.4
APV (dB)	19.3	21.9	30.5	37.9	33.9	36.1	35.8

SUMMARY VALUES

Metric	Sana 25	Sana 30	Sana 34
SNRm	35.2	37.8	38.1
SNRs	2.3	2.0	2.3
SNR	25	30	34
H	33	36	36
Hm	35.2	37.8	38.1
Hs	2.3	2.0	2.3
M	23	28	32
Mm	25.2	30.0	34.3
Ms	2.4	2.1	2.0
L	14	20	25
Lm	16.8	22.5	27.4
Ls	2.9	2.3	2.4

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 25 | NRR 19 dB

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Mean (dB)	12.1	14.9	22.7	35.3	36.6	37.3	37.7	36.3	36.0
SD (dB)	3.1	2.9	2.3	3.2	3.1	3.6	2.6	4.1	4.4

Sana 30 | NRR 24 dB

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Mean (dB)	16.5	18.8	28.5	40.1	38.5	41.5	39.1	39.4	38.9
SD (dB)	3.2	2.3	2.9	3.3	3.3	4.4	3.9	4.9	4.4

Sana 34 | NRR 28 dB

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Mean (dB)	20.8	23.2	33.5	41.4	38.5	41.0	41.4	40.1	39.7
SD (dB)	3.1	2.1	2.6	3.5	2.8	2.8	3.1	3.6	4.8

SUMMARY VALUES

Sana 25 | NRR 19 dB

Sana 30 | NRR 24 dB

Sana 34 | NRR 28 dB



SANA HELMET-MOUNTED EAR DEFENDERS

CARE AND MAINTENANCE

Storage

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

Service life

Up to 5 years of use. Excessive wear may reduce service life.

Cleaning

Clean with warm soapy water and a soft cloth.

Inspection

Check all parts for damage before use. Check ear defenders and especially cushions regularly for cracks or leakage. Replacement cushion and foam hygiene kits are available.

Disposal

Recycling is preferred. Follow the material recycling symbol.

HYGIENE KITS

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

Model	Product code
Sana 25	9946467
Sana 30	9946468
Sana 34	9946469

PACKAGING AND LOGISTICS

Model	Individual dimensions (cm)	Unit weight (kg)	Outer carton (cm)	Outer weight (kg)
Sana 25	10.5 × 11 × 15	0.35	57 × 22.5 × 16.5	4.0
Sana 30	12 × 11 × 16.5	0.35	57 × 26 × 18	4.0
Sana 34	16 × 11 × 16.5	0.47	57 × 33.5 × 18	5.3

PRODUCT IDENTIFICATION

Product code	Description	Case barcode	Unit barcode
9943634	Sana 25 Helmet Mounted Ear Defenders	05056375417559	05056375417566
9943638	Sana 30 Helmet Mounted Ear Defenders	05056375417573	05056375417580
9943639	Sana 34 Helmet Mounted Ear Defenders	05056375417597	05056375417603



Sana 25



Sana 30



Sana 34