



Stretta HP

Technical Data

Made for

iPhone | iPad | iPod



Earhook

- 77 dB / 135 dB SPL
(2 ccm coupler)
- 81 dB / 141 dB SPL
(Ear simulator)

ThinTube

- 65 dB / 130 dB SPL
(2 ccm coupler)
- 68 dB / 133 dB SPL
(Ear simulator)

Stretta HP | Technical Data

Type

Earhook

ThinTube



Output sound pressure level

OSPL 90 at 1.6 kHz

OSPL 90 (Peak)

HFA-OSPL 90

Gain

FOG at 1.6 kHz

FOG (Peak)

HFA-FOG

Reference test gain

Frequency, noise and directivity

Frequency range

Equivalent input noise

Total harmonic distortion at
500 / 800 / 1600 / 3200 Hz

Tinnitus noiser broadband

AI-DI

Inductive coil sensitivity

MASL (1 mA/m) at 1.6 kHz

HFA MASL (1 mA/m)

HFA SPLITS (left/right)

RSETS (left/right)

HFA SPLIV

Battery

Battery voltage

Battery current drain

Battery life (cell zinc air)

Battery life (rechargeable)

IRIL IEC 60118-13:2016 Ed. 4.0

700-960 MHz (rating)

1400-2000 MHz (rating)

2000-2700 MHz (rating)

ANSI C63.19-2011

800-950 MHz (rating)

1600-2500 MHz (rating)

2 ccm coupler

Ear simulator

2 ccm coupler

Ear simulator

–

138 dB SPL

–

128 dB SPL

135 dB SPL

141 dB SPL

130 dB SPL

133 dB SPL

129 dB SPL

–

118 dB SPL

–

–

76 dB

–

61 dB

77 dB

81 dB

65 dB

68 dB

70 dB

–

55 dB

–

52 dB

62 dB

41 dB

52 dB

100 - 6000 Hz

120 - 5900 Hz

100 - 5800 Hz

100 - 5900 Hz

18 dB SPL

17 dB SPL

21 dB SPL

19 dB SPL

4 / 3 / 1 / 1 %

5 / 4 / 1 / – %

2 / 2 / 1 / 1 %

2 / 2 / 2 / – %

80 dB SPL

–

80 dB SPL

–

4.0 dB

4.0 dB

–

105 dB SPL

–

93 dB SPL

99 dB SPL

–

85 dB SPL

–

109 / 109 dB SPL

–

99 / 99 dB SPL

–

-3 / -3 dB

–

-2 / -2 dB

–

111 dB SPL

–

101 dB SPL

–

1.3 V

1.3 V

2.0 mA

2.0 mA

1.7 mA

1.7 mA

~120 h

~130 h

–

–

user

user

user

user

user

user

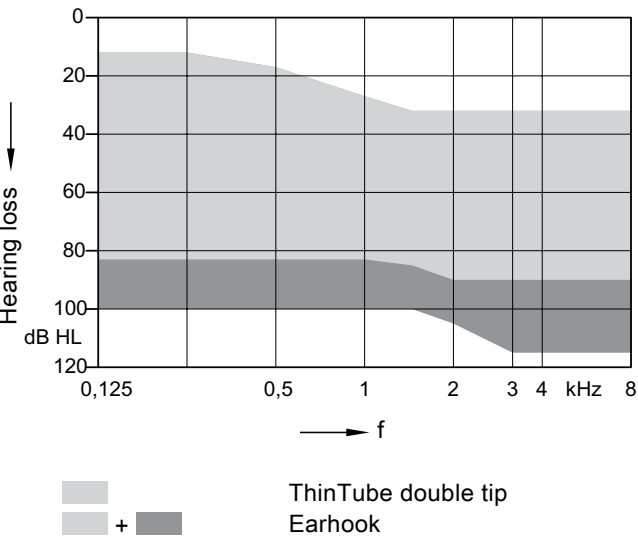
M4 / T4

M4 / T4

M4 / T4

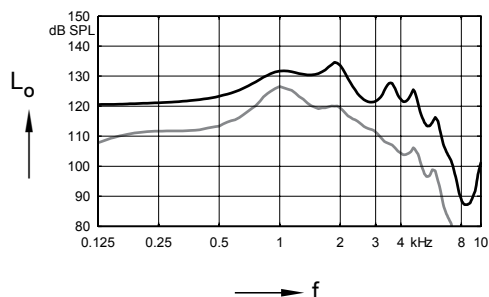
M4 / T4

Stretta HP | Fitting Range



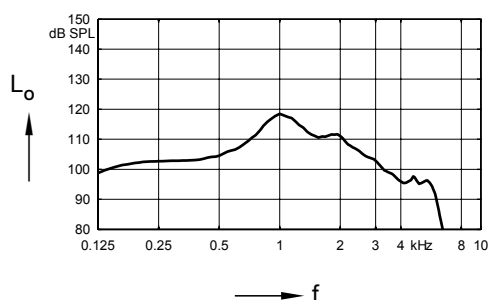
Earhook | Basic Data

2 ccm coupler



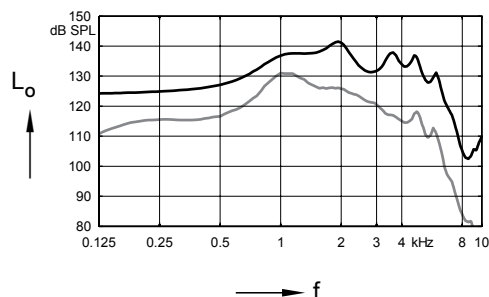
Max. Output sound pressure level
($L_1 = 90$ dB)

Full on gain
($L_1 = 50$ dB)



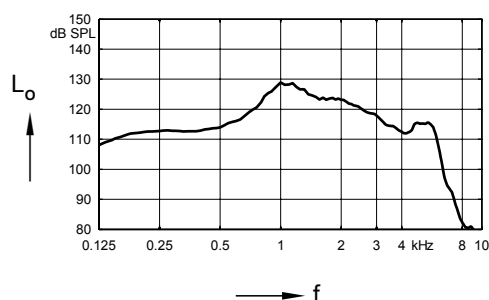
Frequency response
($L_1 = 60$ dB)

Ear simulator



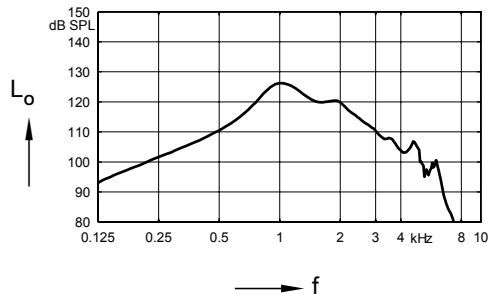
Max. Output sound pressure level
($L_1 = 90$ dB)

Full on gain
($L_1 = 50$ dB)

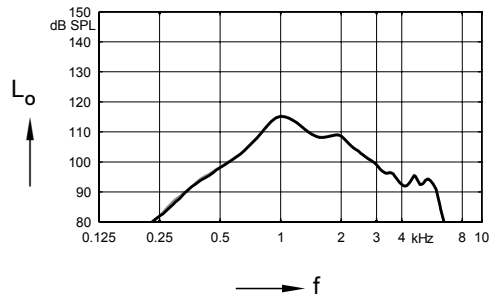


Basic acoustic response
($L_1 = 60$ dB)

Inductive response

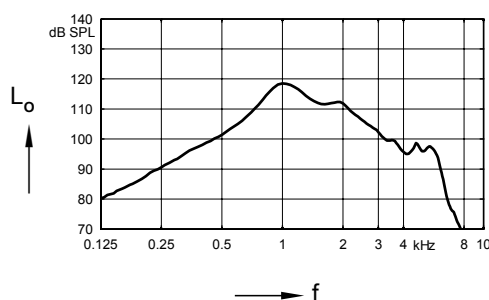


Inductive response
($H = 10$ mA/m)



SPLITS curve left
($H = 31.6$ mA/m)

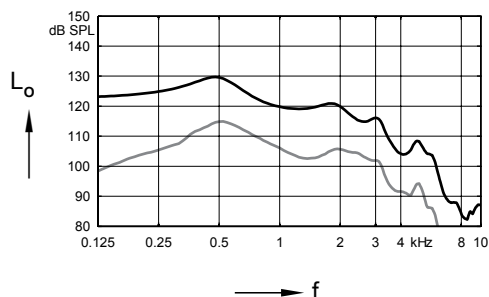
SPLITS curve right
($H = 31.6$ mA/m)



SPLIV curve
($H = 31.6$ mA/m)

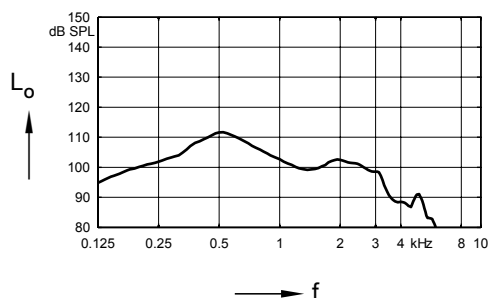
ThinTube | Basic Data

2 ccm coupler



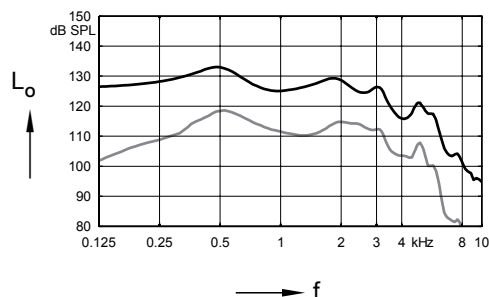
Max. Output sound pressure level
($L_i = 90$ dB)

Full on gain
($L_i = 50$ dB)



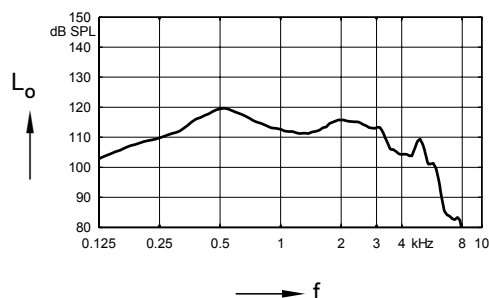
Frequency response
($L_i = 60$ dB)

Ear simulator



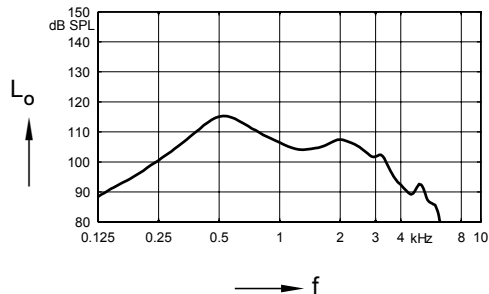
Max. Output sound pressure level
($L_i = 90$ dB)

Full on gain
($L_i = 50$ dB)

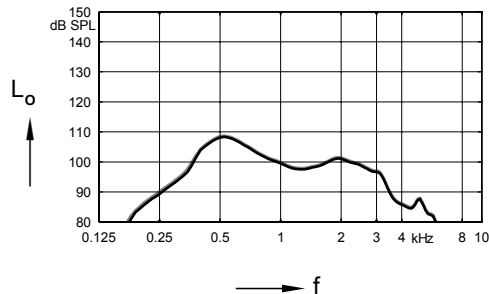


Basic acoustic response
($L_i = 60$ dB)

Inductive response

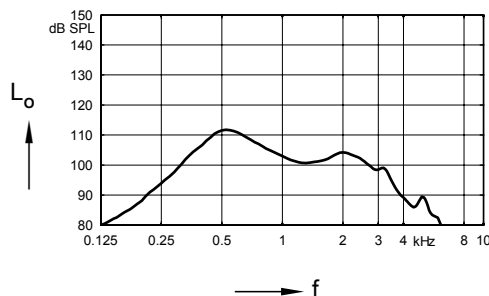


Inductive response
($H = 10$ mA/m)



SPLITS curve left
($H = 31.6$ mA/m)

SPLITS curve right
($H = 31.6$ mA/m)



SPLIV curve
($H = 31.6$ mA/m)

Stretta HP | Features and Accessories

Audiology

Own Voice Processing (OVP) ¹⁾



3D Classifier



Signal processing (channels) Gain/MPO (handles)

32 16

Hearing programs

6

Sound Clarity

HD Spatial



Extended dynamic range



Extended bandwidth



EchoShield



HD Music (presets)

1

eWindScreen binaural ^{1) 2)}



eWindScreen



Noise Management

Speech and noise management (steps)

5

SoundSmoothing (steps)

3

Directional speech enhancement (steps)

1

Feedback cancellation



Speech Quality

Directionality (channels)

Automatic Directionality



Narrow Directionality ¹⁾



Spatial SpeechFocus ^{1) 3)}



SpeechFocus



TwinPhone¹⁾



Frequency compression



Direct Streaming

Made for iPhone



Adaptive Streaming Volume ⁴⁾



Tinnitus

Notched Noise Therapy



Tinnitus noiser



Fitting

Smart Optimizer and Data Logging



Acclimatization manager



Performance Guide



Insitugram



Learning (classes)

3

TeleCare

Basic Remote Tuning



Full Live Remote Tuning



¹⁾ req. bilateral fitting

²⁾ not available in the universal program

³⁾ in Stroll Program or with Spatial Configurator only

⁴⁾ streaming only

■ ■ ■ ■ ■ highest feature performance

● available — not available

Stretta HP | Features and Accessories

Style specific features	
Ingress Protection Rating	IP68
Charging contacts	—
Battery Size	13
Battery door on/off function	●
Nanocoated housing	●
e2e wireless 3.0	●
User controls coupling via e2e	●
Wireless programming	●
Instrument configurations	
Flat cover	—
Rotary volume control	—
Push button	—
Rocker switch	●
Color conversion kit	○
Battery door – integrated telecoil	○
Battery door – child lock	○
Small earhook	○
Programming accessories	
ConnexxAir / ConnexxLink	— / —
Noahlink Wireless	●
Programming adapter / cable	size 13
Accessories	
miniPocket	○
Stretta CROS	○
StreamLine TV	○
StreamLine Mic	○
Apps	
Signia App	○
touchControl App	—

● available ○ optional — not available

Stretta HP | Further information

Abbreviations

The following abbreviations are used in this datasheet:

OSPL	Output Sound Pressure Level
HFA	High Frequency Average
FOG	Full On Gain
MASL	Magneto Acoustical Sensitivity Level
SPLITS	Coupler SPL for an Inductive Telephone Simulator
RSETS	Relative Equivalent Telephone Sensitivity
SPLIV	SPL In a Vertical magnetic field
AI-DI	Articulation Index - Directivity Index
IRIL	Input Related Interference Level
RTF	Reference Test Frequency

Standards and additional information

- ▶ All measurements with the 2 ccm coupler were performed according to ANSI S3.22-2014 and IEC 60118-0:2015 if applicable.
- ▶ All measurements with an ear simulator were performed according to IEC 118-0/A1:1994 and to DIN 45605 (frequency range) if applicable.
- ▶ Curves and figures representing FOG are measured with 20 dB reduction and 70 dB SPL input level.
- ▶ Figures representing Equivalent Input Noise incorporate a moderate expansion.
- ▶ Inductive coil sensitivity values, inductive response curves and T ratings apply for instruments with telecoil only.
- ▶ Tinnitus noiser measurement conditions: all tinnitus single frequency sliders in max position, master volume slider in default position (0 dB) and local volume control in default position.
- ▶ The current consumption is measured in reference test setting (RTS) according to the applicable standards. Due to the settling behaviour of hearing instruments supporting RF (radio frequency), the battery current is measured 3 minutes after turning on (note: no pairing).
- ▶ The battery life is based on first fit settings using 60% of the fitting range and an ISTS (International Speech Test Signal) input signal at 65 dB SPL (note: pairing established). The actual battery life is determined by battery quality, hearing loss, sound environment, usage and activated feature set.
- ▶ The following acoustic connections / ear pieces were used:
 - Earhook
 - ThinTube

Made for

 iPhone | iPad | iPod

“Made for iPhone”, “Made for iPad”, and “Made for iPod” mean that an electronic accessory has been designed to connect specifically to iPhone, iPad, or iPod, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPhone, iPad, or iPod may affect wireless performance.

The information in this document contains general descriptions of the technical options available, which do not always have to be present in individual cases and are subject to change without prior notice. The required features should therefore be specified in each individual case at the time of conclusion of the respective contract.

 **Legal Manufacturer**
WSAUD A/S
Nymøllevej 6
3540 Lynge
Denmark


0123

Order No. 04708-99T01-7600
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Subject to change
without prior notice

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WARNING

Choking hazard posed by small parts.

- This instrument is not intended for the fitting of infants, children under 3 years or persons of mental incapacity.



WARNING

Instrument has an output sound pressure level of 132 dB SPL or more. Risk of impairing the residual hearing of the user.

- Take special care when fitting this instrument.