Stretta M-R

Technical Data

Made for iPhone | iPad | iPod

Earhook

- 63 dB / 134 dB SPL (2 ccm coupler)
- 70 dB / 139 dB SPL (Ear simulator)

ThinTube

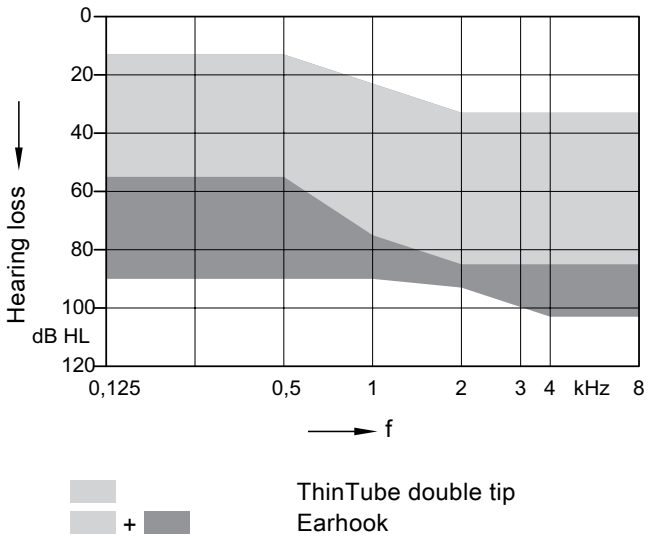
- 56 dB / 126 dB SPL (2 ccm coupler)
- 61 dB / 130 dB SPL (Ear simulator)

Stretta M-R | Technical Data

Type	Earhook		ThinTube	
				
Output sound pressure level	**2 ccm coupler**	**Ear simulator**	**2 ccm coupler**	**Ear simulator**
OSPL 90 at 1.6 kHz	–	137 dB SPL	–	123 dB SPL
OSPL 90 (Peak)	134 dB SPL	139 dB SPL	126 dB SPL	130 dB SPL
HFA-OSPL 90	128 dB SPL	–	117 dB SPL	–
Gain				
FOG at 1.6 kHz	–	63 dB	–	53 dB
FOG (Peak)	63 dB	70 dB	56 dB	61 dB
HFA-FOG	55 dB	–	48 dB	–
Reference test gain	51 dB	56 dB	40 dB	47 dB
Frequency, noise and directivity				
Frequency range	100 - 7500 Hz	640 - 7800 Hz	100 - 7800 Hz	110 - 8100 Hz
Equivalent input noise	16 dB SPL	16 dB SPL	18 dB SPL	18 dB SPL
Total harmonic distortion at 500 / 800 / 1600 / 3200 Hz	2 / 2 / 1 / 1 %	3 / 2 / 1 / - %	1 / 1 / 2 / 1 %	1 / 2 / 3 / - %
Tinnitus noiser broadband	70 dB SPL	–	70 dB SPL	–
AI-DI	4.0 dB		4.0 dB	
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	1.25 V		1.25 V	
Battery current drain	1.4 mA	1.4 mA	2.0 mA	2.8 mA
Battery runtime (without streaming)	up to 21 h		up to 21 h	
Battery runtime (incl. 5 h streaming)	up to 19 h		up to 19 h	
IRIL IEC 60118-13:2016 Ed. 4.0				
700-960 MHz (rating)	user		user	
1400-2000 MHz (rating)	user		user	
2000-2700 MHz (rating)	user		user	
ANSI C63.19-2011				
800-950 MHz (rating)	M4		M4	
1600-2500 MHz (rating)	M4		M4	

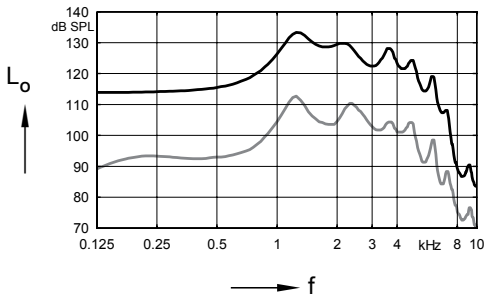
Please find additional information to the values on page ‘‘Further Information’’

Stretta M-R | Fitting Range



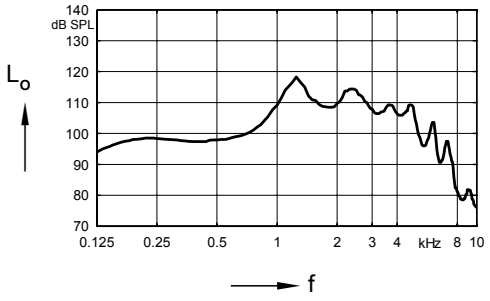
Earhook | Basic Data

2 ccm coupler



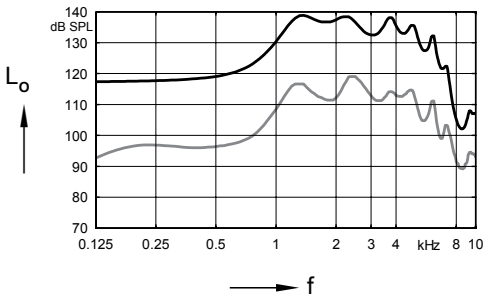
Max. Output sound pressure level (L_I = 90 dB)

Full on gain (L_I = 50 dB)



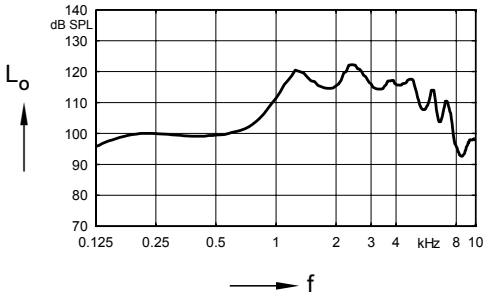
Frequency response (L_I = 60 dB)

Ear simulator



Max. Output sound pressure level (L_I = 90 dB)

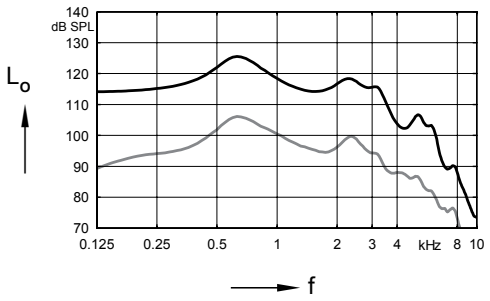
Full on gain (L_I = 50 dB)



Basic acoustic response (L_I = 60 dB)

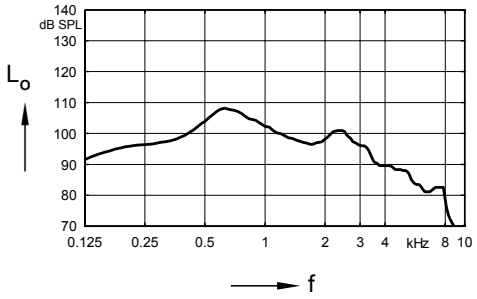
ThinTube | Basic Data

2 ccm coupler



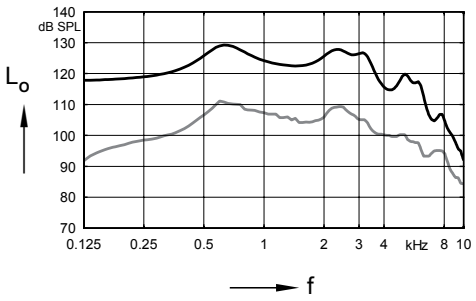
Max. Output sound pressure level (L_I = 90 dB)

Full on gain (L_I = 50 dB)



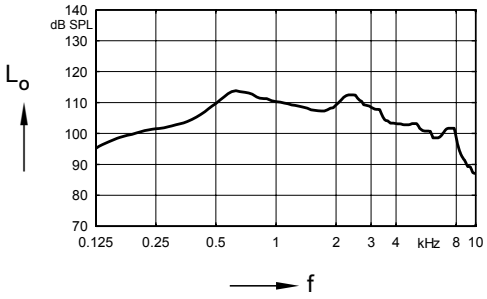
Frequency response (L_I = 60 dB)

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)

Stretta M-R | 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	
Automatic Directionality	●
Narrow Directionality [1)]	●
Spatial SpeechFocus [1) 3)]	●
SpeechFocus	●
TwinPhone[1)]	●
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 M-R | Features and Accessories

Style specific features	
Ingress Protection Rating	IP68
Charging contacts	—
Battery Size	—
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	—
Accessories	
miniPocket	○
Stretta CROS	○
StreamLine TV	○
StreamLine Mic	○
Inductive Charger	mandatory
Apps	
Signia App	○
touchControl App	—

● available ○ optional — not available

Stretta M-R | 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. Regarding RF usage (Bluetooth streaming) two different conditions are considered.
- The following acoustic connections / ear pieces were used:
  - Earhook
  - ThinTube

Special note for instruments with built-in lithium-ion rechargeable battery

- The runtime of all lithium-ion rechargeable batteries reduces over time. The estimates are based on fresh lithium-ion rechargeable battery capacity. Under normal operating conditions, the battery will retain up to 80 % of its initial capacity after 2 years of use. Please note that battery performance will vary depending on individual usage patterns and environmental conditions.

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.

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www.signia.net

⚠ **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.