



# Styletto IX

## Data Sheet

Made for  
iPhone | iPad | iPod

7IX

5IX

3IX

DIX



### S-Receiver

- 46 dB / 110 dB SPL (2 ccm coupler)
- 56 dB / 120 dB SPL (Ear simulator)

### M-Receiver

- 60 dB / 119 dB SPL (2 ccm coupler)
- 70 dB / 129 dB SPL (Ear simulator)

### P-Receiver

- 65 dB / 122 dB SPL (2 ccm coupler)
- 75 dB / 131 dB SPL (Ear simulator)

Data sheet also applicable for Styletto sDemo DIX

# Styletto IX | Technical Data

Type	S-Receiver		M-Receiver		
	2 ccm coupler	Ear simulator	2 ccm coupler	Ear simulator	
<b>Output sound pressure level</b>					
OSPL 90 at 1.6 kHz	—	110 dB SPL	—	123 dB SPL	
OSPL 90 (peak)	110 dB SPL	120 dB SPL	119 dB SPL	129 dB SPL	
HFA OSPL 90	102 dB SPL	—	115 dB SPL	—	
<b>Full-on gain</b>					
FOG at 1.6 kHz	—	44 dB	—	58 dB	
FOG (peak)	46 dB	56 dB	60 dB	70 dB	
HFA FOG	38 dB	—	51 dB	—	
Reference test gain	25 dB	35 dB	38 dB	48 dB	
<b>Frequency, noise and directivity</b>					
Frequency range	7IX	100 – 10000 Hz	100 – 10000 Hz	100 – 9500 Hz	100 – 10000 Hz
	5IX	100 – 8700 Hz	100 – 8800 Hz	100 – 8700 Hz	100 – 8800 Hz
	3IX	100 – 8200 Hz	100 – 8300 Hz	100 – 8200 Hz	100 – 8300 Hz
Equivalent input noise		16 dB SPL	19 dB SPL	16 dB SPL	19 dB SPL
Total harmonic distortion at 500 / 800 / 1600 / 3200 Hz		1 / 1 / 1 / 1 %	1 / 1 / 2 / — %	1 / 1 / 1 / 1 %	2 / 2 / 3 / — %
Tinnitus noiser broadband		65 dB SPL	—	70 dB SPL	—
AI-DI		4.0 dB		4.0 dB	
Latency		< 15 ms		< 15 ms	
<b>Inductive coil sensitivity</b>					
MASL (1 mA/m) at 1.6 kHz		—	—	—	—
HFA MASL (1 mA/m)		—	—	—	—
HFA SPLITS (left/right)		—	—	—	—
RSETS (left/right)		—	—	—	—
HFA SPLIV		—	—	—	—
<b>Battery</b>					
Battery runtime (without streaming)		up to 20 h		up to 20 h	
Battery runtime (incl. 5 h streaming)		up to 17 h		up to 17 h	
<b>Cellphone compatibility</b>					
Microphone mode		0.65 – 0.96 GHz 1.4 – 2.7 GHz		0.65 – 0.96 GHz 1.4 – 2.7 GHz	
Telecoil mode		—		—	

— not applicable

Refer to section “Further information” for additional information on the values.

# Styletto IX | Technical Data

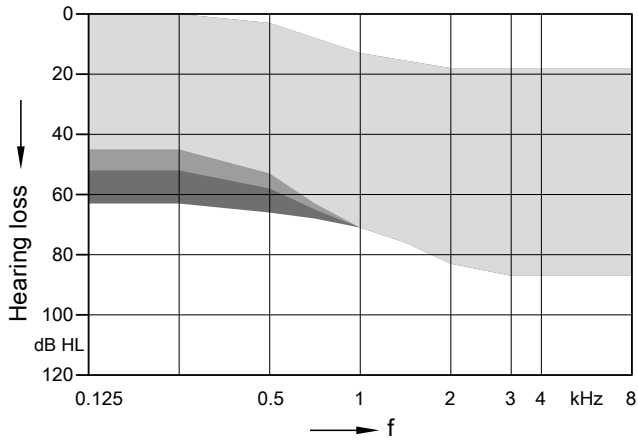
Type	P-Receiver	
	2 ccm coupler	Ear simulator
<b>Output sound pressure level</b>		
OSPL 90 at 1.6 kHz	—	129 dB SPL
OSPL 90 (peak)	122 dB SPL	131 dB SPL
HFA OSPL 90	120 dB SPL	—
<b>Full-on gain</b>		
FOG at 1.6 kHz	—	69 dB
FOG (peak)	65 dB	75 dB
HFA FOG	61 dB	—
Reference test gain	43 dB	54 dB
<b>Frequency, noise and directivity</b>		
Frequency range	7IX 5IX, 3IX	100 – 7400 Hz 100 – 7400 Hz
		100 – 8000 Hz 100 – 8000 Hz
Equivalent input noise	14 dB SPL	16 dB SPL
Total harmonic distortion at 500 / 800 / 1600 / 3200 Hz	1 / 2 / 1 / 1 %	2 / 3 / 3 / — %
Tinnitus noiser broadband	75 dB SPL	—
AI-DI	4.0 dB	
Latency	< 15 ms	
<b>Inductive coil sensitivity</b>		
MASL (1 mA/m) at 1.6 kHz	—	—
HFA MASL (1 mA/m)	—	—
HFA SPLITS (left/right)	—	—
RSETS (left/right)	—	—
HFA SPLIV	—	—
<b>Battery</b>		
Battery runtime (without streaming)	up to 20 h	
Battery runtime (incl. 5 h streaming)	up to 17 h	
<b>Cellphone compatibility</b>		
Microphone mode	0.65 – 0.96 GHz 1.4 – 2.7 GHz	
Telecoil mode	—	

— not applicable

Refer to section “Further information” for additional information on the values.

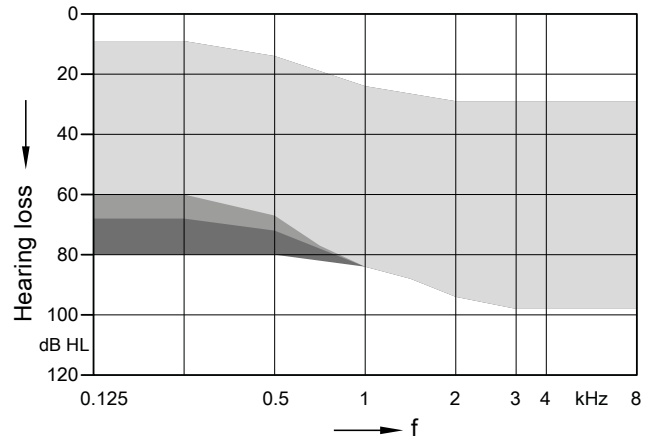
# Styletto IX | Fitting Range

## S-Receiver



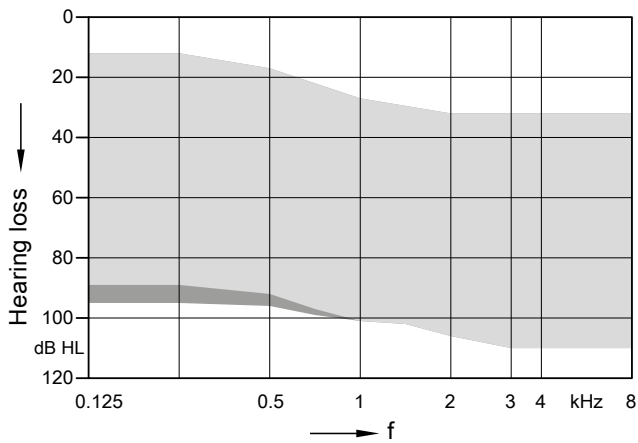
Eartip 3.0 Open  
 +  Sleeve 3.0 Power  
 +  +  Earmold 3.0

## M-Receiver



Eartip 3.0 Open  
 +  Sleeve 3.0 Power  
 +  +  Earmold 3.0

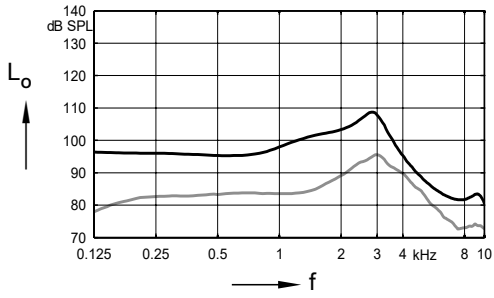
## P-Receiver



Sleeve 3.0 Power  
 +  Earmold 3.0

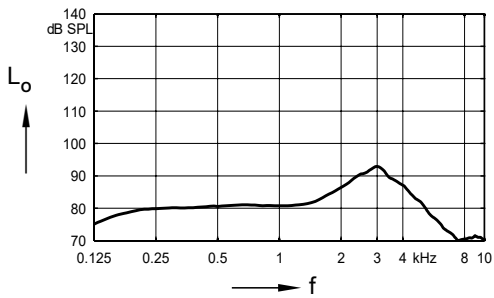
# S-Receiver (Sleeve 3.0 Power) | Basic Data

## 2 ccm coupler



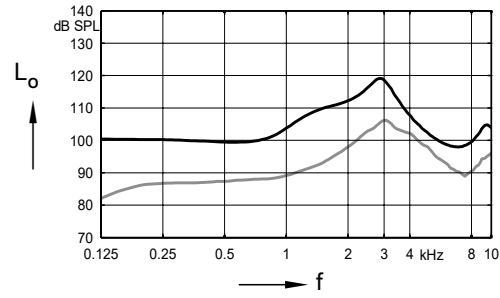
**Max. Output sound pressure level**  
(L<sub>1</sub> = 90 dB)

**Full-on gain**  
(L<sub>1</sub> = 50 dB)



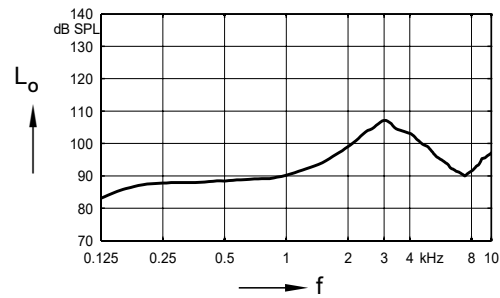
**Frequency response**  
(L<sub>1</sub> = 60 dB)

## Ear simulator



**Max. Output sound pressure level**  
(L<sub>1</sub> = 90 dB)

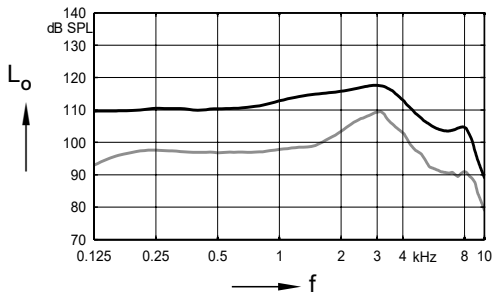
**Full-on gain**  
(L<sub>1</sub> = 50 dB)



**Basic acoustic response**  
(L<sub>1</sub> = 60 dB)

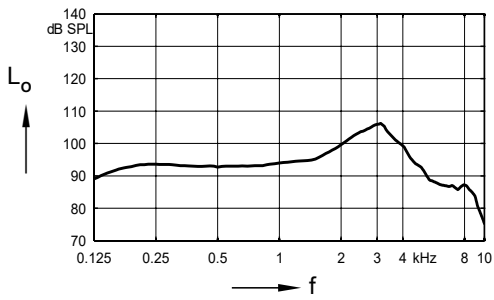
# M-Receiver (Sleeve 3.0 Power) | Basic Data

## 2 ccm coupler



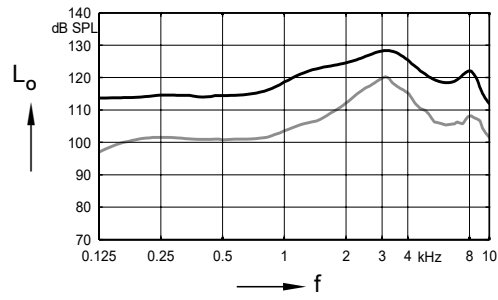
**Max. Output sound pressure level**  
(L<sub>1</sub> = 90 dB)

**Full-on gain**  
(L<sub>1</sub> = 50 dB)



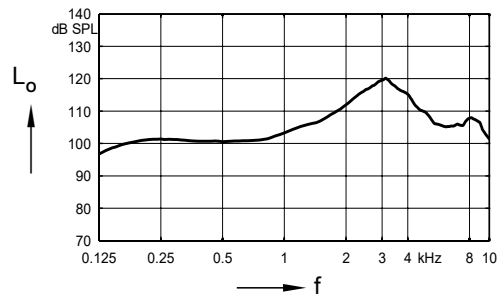
**Frequency response**  
(L<sub>1</sub> = 60 dB)

## Ear simulator



**Max. Output sound pressure level**  
(L<sub>1</sub> = 90 dB)

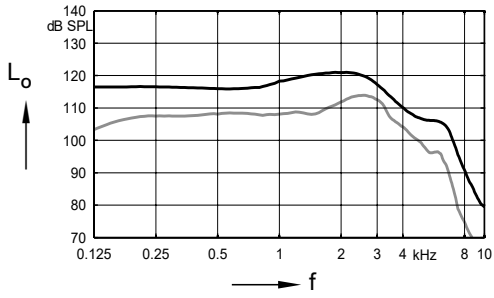
**Full-on gain**  
(L<sub>1</sub> = 50 dB)



**Basic acoustic response**  
(L<sub>1</sub> = 60 dB)

# P-Receiver (Earmold 3.0) | Basic Data

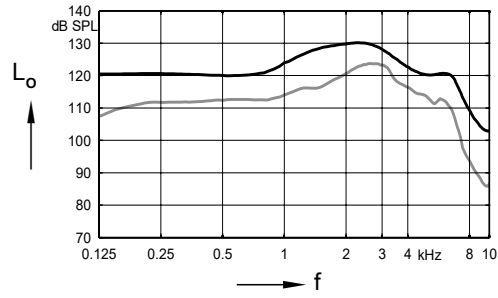
## 2 ccm coupler



**Max. Output sound pressure level**  
(L<sub>1</sub> = 90 dB)

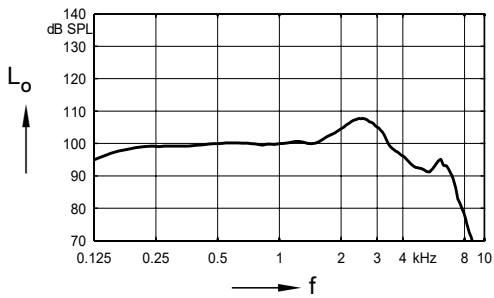
**Full-on gain**  
(L<sub>1</sub> = 50 dB)

## Ear simulator

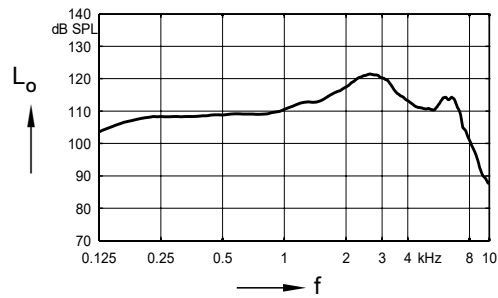


**Max. Output sound pressure level**  
(L<sub>1</sub> = 90 dB)

**Full-on gain**  
(L<sub>1</sub> = 50 dB)



**Frequency response**  
(L<sub>1</sub> = 60 dB)



**Basic acoustic response**  
(L<sub>1</sub> = 60 dB)

# Styletto IX | Further information

## Abbreviations

The following abbreviations are used in this data sheet:

SPL	Sound Pressure Level
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 Simulated 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
ASHA	Audio Streaming for Hearing Aids

## Standards and additional information

- All measurements with the 2 ccm coupler were performed according to ANSI S3.22:2014 and EN 60118-0:2015 if applicable.
- All measurements with an ear simulator were performed according to EN 60118-0:1993 + A1:1995 and to DIN 45605 (frequency range) if applicable.
- All Cellphone Compatibility measurements were performed according to EN IEC 60118-13:2020 and ANSI C63.19:2019.
- Cellphone Compatibility definition: It is expected that the hearing aid user can effectively use a compliant wireless device held in a talking position at the ear. Maximum achievable Cellphone Compatibility range: 0.65–0.96 GHz and 1.4–2.7 GHz.
- 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.
- 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.
- Inductive coil sensitivity values, inductive response curves and T ratings apply for instruments with telecoil only.
- The current consumption is measured in reference test setting (RTS) according to the applicable standards. Due to the settling behaviour of hearing aids supporting RF (Radio Frequency), the battery current is measured 3 minutes after turning on (note: no pairing).
- The battery runtime 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 runtime is determined by battery quality, hearing loss, sound environment, usage and activated feature set. Regarding RF usage, Bluetooth audio streaming from phone to hearing aid and from hearing aid to phone are considered.
- Extended bandwidth up to 12 kHz for 7IX devices only.
- The following acoustic connections/ear pieces were used:
  - S-Receiver Unit and M-Receiver Unit: Sleeve 3.0 Power
  - P-Receiver Unit: Earmold 3.0

Note: Due to the design of the Styletto IX, not all earwear couplings will fit inside the Styletto IX Charger.  
Please consult the data sheet Styletto IX Charger for relevant technical information.

## 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”, “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.



