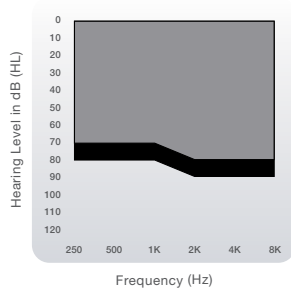


RIC 312

RECEIVER-IN-CANAL

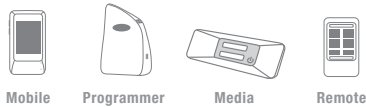
i110 / i90 / i70 / i30 / i20

FITTING GUIDE



3 Series RIC 312 50 (gray) and 3 Series RIC 312 60 (black) fitting ranges.

SURFLINK ACCESSORY COMPATIBILITY



COLOR GUIDE



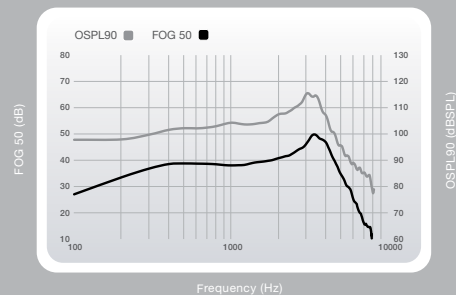
50 Gain Data

60 Gain Data

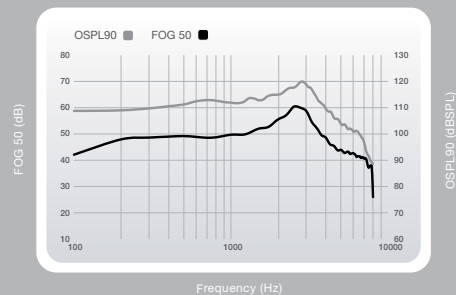
Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	115	125	120	130
HFA OSPL90 (dB SPL)	109	N/A	115	N/A
RTF OSPL90 (dB SPL)	N/A	116	N/A	125
Peak Gain (dB)	50	62	60	71
HFA Full-On Gain (dB)	44	N/A	54	N/A
RTF Full-On Gain (dB)	N/A	53	N/A	62
Frequency Range (Hz)	100-7500	100-7500	100-7500	100-7500
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	32	41	38	50
Harmonic Distortion				
500 Hz (%)	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3
Induction Coil Sensitivity				
HFA SPLITS (ANSI) (dB SPL)	86	N/A	93	N/A
MASL (IEC) (dB SPL)	N/A	80	N/A	91
ANSI/IEC Battery Current (mA)	1.7*	1.7*	2.0*	2.0*
Idle Current (mA)	1.3*	1.3*	1.4*	1.4*
Estimated Battery Life for 16-Hour Day				
312 Zinc Air (days)	5-7*	5-7*	4-7*	4-7*

- ▶ **Matrices** 115/50, 120/60
- ▶ **Battery Size** 312

*Results for wireless products will vary based on wireless usage.



OSPL90 (gray) and Full-On Gain (black) curves for the 3 Series RIC 312 at 115/50.



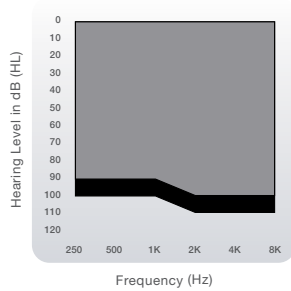
OSPL90 (gray) and Full-On Gain (black) curves for the 3 Series RIC 312 at 120/60.

RIC 312 AP

RECEIVER-IN-CANAL ABSOLUTE POWER

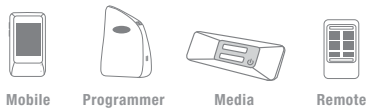
i110 / i90 / i70 / i30 / i20

FITTING GUIDE



3 Series RIC 312 AP 60 (gray) and 3 Series RIC 312 AP 70 (black) fitting ranges.

SURFLINK ACCESSORY COMPATIBILITY



COLOR GUIDE



60 Gain Data

70 Gain Data

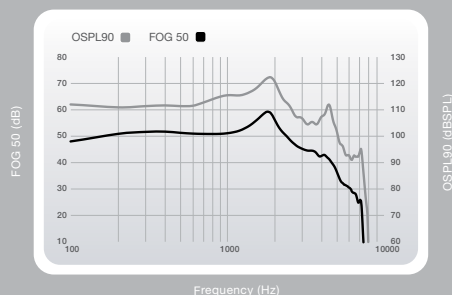
Measurement

	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	123	131	130	137
HFA OSPL90 (dB SPL)	116	N/A	125	N/A
RTF OSPL90 (dB SPL)	N/A	126	N/A	136
Peak Gain (dB)	60	67	70	78
HFA Full-On Gain (dB)	53	N/A	64	N/A
RTF Full-On Gain (dB)	N/A	64	N/A	75
Frequency Range (Hz)	100-5400	100-5300	100-5300	100-4100
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	39	51	48	61
Harmonic Distortion				
500 Hz (%)	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3
Induction Coil Sensitivity				
HFA SPLITS (ANSI) (dB SPL)	95	N/A	102	N/A
MASL (IEC) (dB SPL)	N/A	93	N/A	104
ANSI/IEC Battery Current (mA)	1.2*	1.2*	1.4*	1.4*
Idle Current (mA)	1.1*	1.1*	1.2*	1.2*
Estimated Battery Life for 16-Hour Day				
312 Zinc Air (days)	6-8*	6-8*	4-6*	4-6*

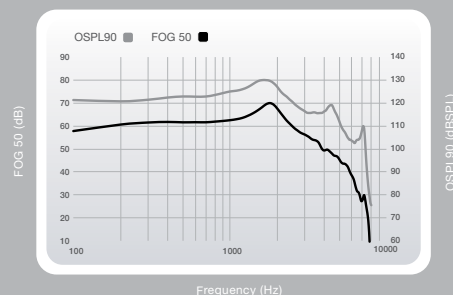
▶ **Matrices** 123/60, 130/70

▶ **Battery Size** 312

*Results for wireless products will vary based on wireless usage.



OSPL90 (gray) and Full-On Gain (black) curves for the 3 Series RIC 312 AP at 123/60.



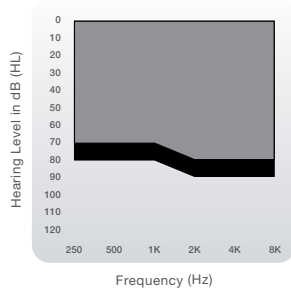
OSPL90 (gray) and Full-On Gain (black) curves for the 3 Series RIC 312 AP at 130/70.

RIC 312

RECEIVER-IN-CANAL

110 / 90 / 70 / 30 / 20

FITTING GUIDE



3 Series RIC 312 50 (gray) and 3 Series RIC 312 60 (black) fitting ranges.

COLOR GUIDE



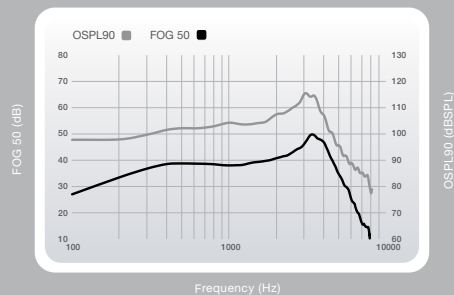
50 Gain Data

60 Gain Data

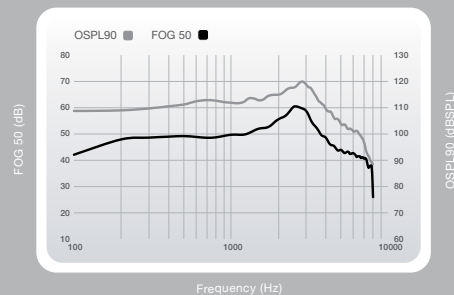
Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	115	125	120	130
HFA OSPL90 (dB SPL)	109	N/A	115	N/A
RTF OSPL90 (dB SPL)	N/A	116	N/A	125
Peak Gain (dB)	50	62	60	71
HFA Full-On Gain (dB)	44	N/A	54	N/A
RTF Full-On Gain (dB)	N/A	53	N/A	62
Frequency Range (Hz)	100-7500	100-7500	100-7500	100-7500
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	32	41	38	50
Harmonic Distortion				
500 Hz (%)	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3
Induction Coil Sensitivity				
HFA SPLITS (ANSI) (dB SPL)	86	N/A	93	N/A
MASL (IEC) (dB SPL)	N/A	80	N/A	91
ANSI/IEC Battery Current (mA)	1.7	1.7	2.0	2.0
Idle Current (mA)	1.3	1.3	1.4	1.4
Estimated Battery Life for 16-Hour Day				
312 Zinc Air (days)	5-7	5-7	4-7	4-7

▶ **Matrices** 115/50, 120/60

▶ **Battery Size** 312



OSPL90 (gray) and Full-On Gain (black) curves for the 3 Series RIC 312 at 115/50.



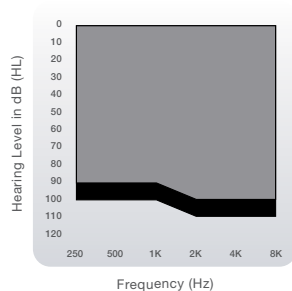
OSPL90 (gray) and Full-On Gain (black) curves for the 3 Series RIC 312 at 120/60.

RIC 312 AP

RECEIVER-IN-CANAL ABSOLUTE POWER

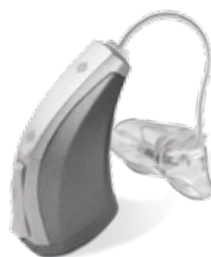
110 / 90 / 70 / 30 / 20

FITTING GUIDE



3 Series RIC 312 AP 60 (gray) and 3 Series RIC 312 AP 70 (black) fitting ranges.

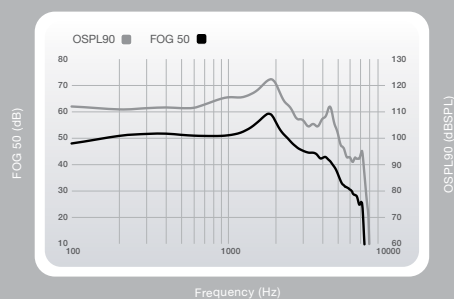
COLOR GUIDE



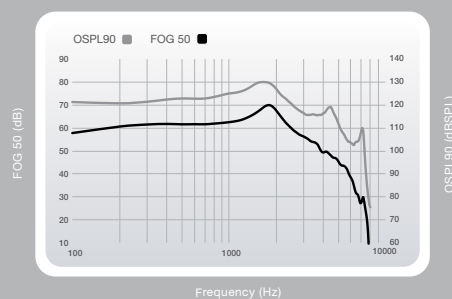
60 Gain Data

70 Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	123	131	130	137
HFA OSPL90 (dB SPL)	116	N/A	125	N/A
RTF OSPL90 (dB SPL)	N/A	126	N/A	136
Peak Gain (dB)	60	67	70	78
HFA Full-On Gain (dB)	53	N/A	64	N/A
RTF Full-On Gain (dB)	N/A	64	N/A	75
Frequency Range (Hz)	100-5400	100-5300	100-5300	100-4100
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0, 1.6, 2.5	N/A	1.0, 1.6, 2.5	N/A
Reference Test Gain (dB)	39	51	48	61
Harmonic Distortion				
500 Hz (%)	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3
Induction Coil Sensitivity				
HFA SPLITS (ANSI) (dB SPL)	95	N/A	102	N/A
MASL (IEC) (dB SPL)	N/A	93	N/A	104
ANSI/IEC Battery Current (mA)	1.2	1.2	1.4	1.4
Idle Current (mA)	1.1	1.1	1.2	1.2
Estimated Battery Life for 16-Hour Day				
312 Zinc Air (days)	6-8	6-8	4-6	4-6

▶ **Matrices** 123/60, 130/70▶ **Battery Size** 312

OSPL90 (gray) and Full-On Gain (black) curves for the 3 Series RIC 312 AP at 123/60.



OSPL90 (gray) and Full-On Gain (black) curves for the 3 Series RIC 312 AP at 130/70.