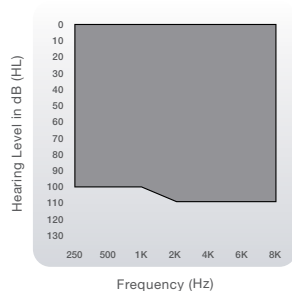


ITE

IN-THE-EAR

FITTING GUIDE



3 Series ITE fitting range.

SURFLINK ACCESSORY COMPATIBILITY



Mobile



Programmer



Media



Remote

COLOR GUIDE



i110 / i90 / i70 / i30 / i20

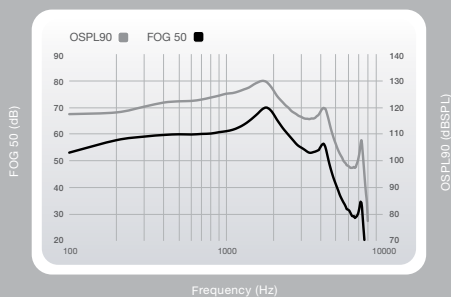
ITE

Measurement

	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	115-130	124-138
HFA OSPL90 (dB SPL)	110-125	N/A
RTF OSPL90 (dB SPL)	N/A	116-138
Peak Gain (dB)	50-70	58-78
HFA Full-On Gain (dB)	46-63	N/A
RTF Full-On Gain (dB)	N/A	54-76
Frequency Range (Hz)	100-6800	100-7000
Reference Test Freq. (kHz)	N/A	1.6
HFA Frequencies (kHz)	1.0, 1.6, 2.5	N/A
Reference Test Gain (dB)	33-48	41-63
Harmonic Distortion		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3
Induction Coil Sensitivity		
HFA SPLITS (ANSI) (dB SPL)	95-108	N/A
MASL (IEC) (dB SPL)	N/A	83-106
ANSI/IEC Battery Current (mA)	1.3-1.4*	1.3-1.4*
Idle Current (mA)	1.15-1.25*	1.15-1.25*
Estimated Battery Life for 16-Hour Day		
13 Zinc Air (days)	13-16*	13-16*

Matrices	115/50, 120/60, 130/70
Battery Size	13

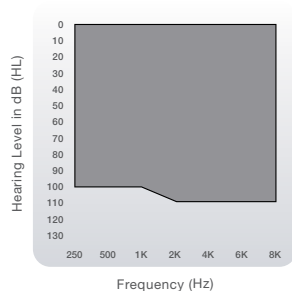
*Results for wireless products will vary based on wireless usage.



OSPL90 (gray) and Full-On Gain (black) curves for the 3 Series ITE at the highest matrix of 130/70.

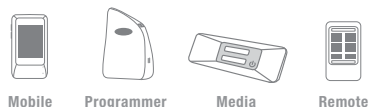
HS HALF-SHELL

FITTING GUIDE



3 Series HS fitting range.

SURFLINK ACCESSORY COMPATIBILITY



COLOR GUIDE



i110 / i90 / i70 / i30 / i20

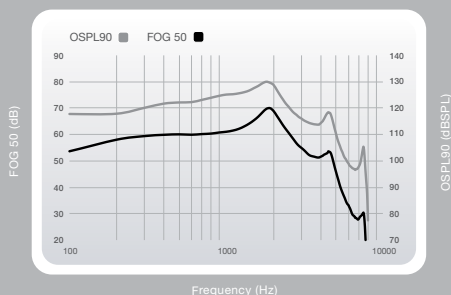
HS

Measurement

	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	110-130	119-138
HFA OSPL90 (dB SPL)	105-125	N/A
RTF OSPL90 (dB SPL)	N/A	111-137
Peak Gain (dB)	40-70	49-79
HFA Full-On Gain (dB)	36-63	N/A
RTF Full-On Gain (dB)	N/A	43-75
Frequency Range (Hz)	100-7000	100-7200
Reference Test Freq. (kHz)	N/A	1.6
HFA Frequencies (kHz)	1.0, 1.6, 2.5	N/A
Reference Test Gain (dB)	28-48	36-62
Harmonic Distortion		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3
Induction Coil Sensitivity		
HFA SPLITS (ANSI) (dB SPL)	99-108	N/A
MASL (IEC) (dB SPL)	N/A	92-105
ANSI/IEC Battery Current (mA)	1.3-1.4*	1.3-1.4*
Idle Current (mA)	1.15-1.25*	1.15-1.25*
Estimated Battery Life for 16-Hour Day		
312 Zinc Air (days)	7-10*	7-10*

▶ Matrices	110/40, 115/50, 120/60, 130/70
▶ Battery Size	312

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

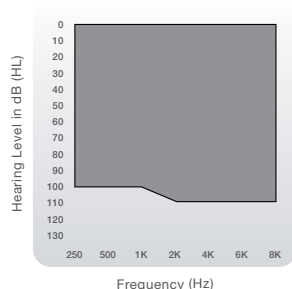


OSPL90 (gray) and Full-On Gain (black) curves for the 3 Series HS at the highest matrix of 130/70.

ITC

IN-THE-CANAL

FITTING GUIDE



3 Series ITC fitting range.

SURFLINK ACCESSORY COMPATIBILITY



COLOR GUIDE



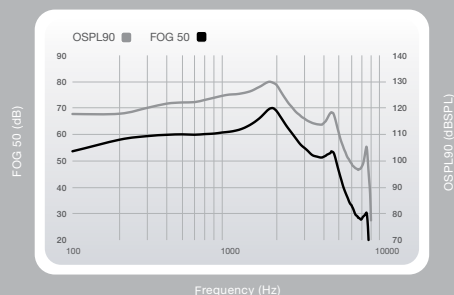
i110 / i90 / i70 / i30 / i20

ITC

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	110-130	119-138
HFA OSPL90 (dB SPL)	105-125	N/A
RTF OSPL90 (dB SPL)	N/A	111-137
Peak Gain (dB)	40-70	49-79
HFA Full-On Gain (dB)	36-63	N/A
RTF Full-On Gain (dB)	N/A	43-75
Frequency Range (Hz)	100-7000	100-7200
Reference Test Freq. (kHz)	N/A	1.6
HFA Frequencies (kHz)	1.0, 1.6, 2.5	N/A
Reference Test Gain (dB)	28-48	36-62
Harmonic Distortion		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3
Induction Coil Sensitivity		
HFA SPLITS (ANSI) (dB SPL)	99-108	N/A
MASL (IEC) (dB SPL)	N/A	92-105
ANSI/IEC Battery Current (mA)	1.3-1.4*	1.3-1.4*
Idle Current (mA)	1.15-1.25*	1.15-1.25*
Estimated Battery Life for 16-Hour Day		
312 Zinc Air (days)	7-10*	7-10*

▶ Matrices	110/40, 115/50, 120/60, 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 ITC at the highest matrix of 130/70.

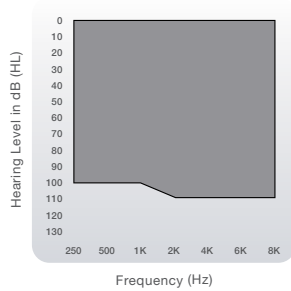
CIC

COMPLETELY-IN-CANAL

i110 / i90 / i70 / i30 / i20

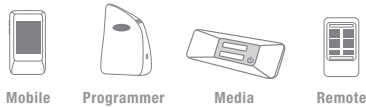
CIC

FITTING GUIDE



3 Series CIC fitting range.

SURFLINK ACCESSORY COMPATIBILITY



COLOR GUIDE



Measurement

	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	110-130	119-139
HFA OSPL90 (dB SPL)	104-125	N/A
RTF OSPL90 (dB SPL)	N/A	110-136
Peak Gain (dB)	40-70	49-79
HFA Full-On Gain (dB)	35-63	N/A
RTF Full-On Gain (dB)	N/A	43-74

Frequency Range (Hz)

	100-7500	100-7600
Reference Test Freq. (kHz)	N/A	1.6
HFA Frequencies (kHz)	1.0, 1.6, 2.5	N/A
Reference Test Gain (dB)	28-48	35-61

Harmonic Distortion

500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3

Induction Coil Sensitivity

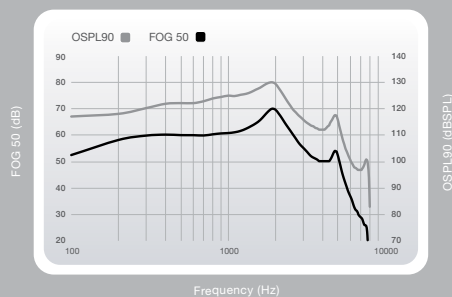
HFA SPLITS (ANSI) (dB SPL)	99-108	N/A
MASL (IEC) (dB SPL)	N/A	91-104
ANSI/IEC Battery Current (mA)	1.1-1.2*	1.1-1.2*
Idle Current (mA)	1.0-1.1*	1.0-1.1*

Estimated Battery Life for 16-Hour Day

312 Zinc Air (days)	7-10*	7-10*
10 Zinc Air (days)	4-7*	4-7*

▶ Matrices	110/40, 115/50, 120/60, 130/70
▶ Battery Size	312, 10

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



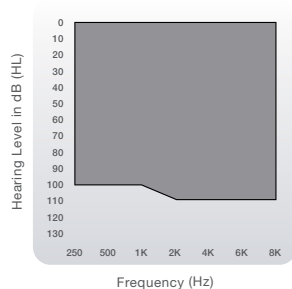
OSPL90 (gray) and Full-On Gain (black) curves for the 3 Series CIC at the highest matrix of 130/70.

ITE IN-THE-EAR

110 / 90 / 70 / 30 / 20

ITE

FITTING GUIDE



3 Series ITE fitting range.

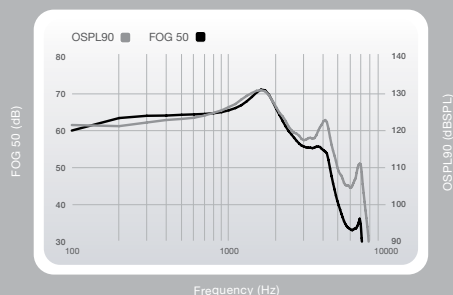
COLOR GUIDE



Measurement

	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	115-130	124-139
HFA OSPL90 (dB SPL)	111-126	N/A
RTF OSPL90 (dB SPL)	N/A	118-138
Peak Gain (dB)	45-70	54-79
HFA Full-On Gain (dB)	41-65	N/A
RTF Full-On Gain (dB)	N/A	47-79
Frequency Range (Hz)	100-7000	100-7000
Reference Test Freq. (kHz)	N/A	1.6
HFA Frequencies (kHz)	1.0, 1.6, 2.5	N/A
Reference Test Gain (dB)	34-49	40-64
Harmonic Distortion		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3
Induction Coil Sensitivity		
HFA SPLITS (ANSI) (dB SPL)	94-109	N/A
MASL (IEC) (dB SPL)	N/A	77-109
ANSI/IEC Battery Current (mA)	1.1-1.7	1.1-1.7
Idle Current (mA)	1.0-1.3	1.0-1.3
Estimated Battery Life for 16-Hour Day		
13 Zinc Air (days)	13-17	13-17
312 Zinc Air (days)	7-10	7-10

▶ Matrices	115/45, 120/55, 123/60, 130/70
▶ Battery Size	13, 312



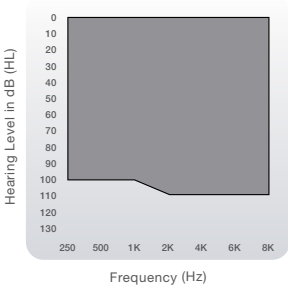
OSPL90 (gray) and Full-On Gain (black) curves for the 3 Series ITE at the highest matrix of 130/70.

HS
HALF-SHELL

110 / 90 / 70 / 30 / 20

HS

FITTING GUIDE

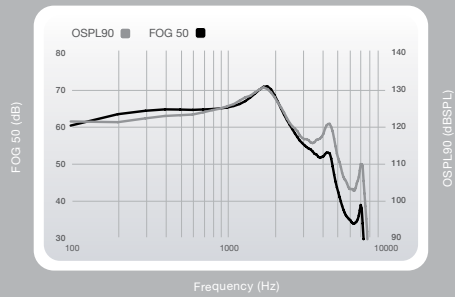


3 Series HS fitting range.

COLOR GUIDE



Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	110-130	119-139
HFA OSPL90 (dB SPL)	106-126	N/A
RTF OSPL90 (dB SPL)	N/A	114-138
Peak Gain (dB)	40-70	50-79
HFA Full-On Gain (dB)	36-65	N/A
RTF Full-On Gain (dB)	N/A	43-78
Frequency Range (Hz)	100-7000	100-7000
Reference Test Freq. (kHz)	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	29-49	36-63
Harmonic Distortion		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3
Induction Coil Sensitivity		
HFA SPLITS (ANSI) (dB SPL)	89-109	N/A
MASL (IEC) (dB SPL)	N/A	73-108
ANSI/IEC Battery Current (mA)	1.1-1.7	1.1-1.7
Idle Current (mA)	1.0-1.3	1.0-1.3
Estimated Battery Life for 16-Hour Day		
13 Zinc Air (days)	13-17	13-17
312 Zinc Air (days)	7-10	7-10
10 Zinc Air (days)	5-7	5-7
Matrices		
111/40, 115/45, 115/50, 123/60, 130/70		
Battery Size		
13, 312, 10		



OSPL90 (gray) and Full-On Gain (black) curves for the 3 Series HS at the highest matrix of 130/70.

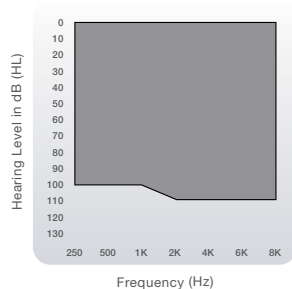
ITC

IN-THE-CANAL

110 / 90 / 70 / 30 / 20

ITC

FITTING GUIDE



3 Series ITC fitting range.

COLOR GUIDE



Measurement

	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	110-130	119-139
HFA OSPL90 (dB SPL)	106-126	N/A
RTF OSPL90 (dB SPL)	N/A	114-138
Peak Gain (dB)	40-70	50-79
HFA Full-On Gain (dB)	36-65	N/A
RTF Full-On Gain (dB)	N/A	43-78

Frequency Range (Hz)

	100-7000	100-7000
Reference Test Freq. (kHz)	N/A	1.6
HFA Frequencies (kHz)	1.0, 1.6, 2.5	N/A
Reference Test Gain (dB)	29-49	36-63

Harmonic Distortion

500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3

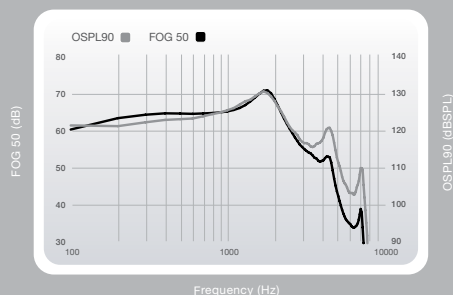
Induction Coil Sensitivity

HFA SPLITS (ANSI) (dB SPL)	89-109	N/A
MASL (IEC) (dB SPL)	N/A	73-108
ANSI/IEC Battery Current (mA)	1.1-1.7	1.1-1.7
Idle Current (mA)	1.0-1.3	1.0-1.3

Estimated Battery Life for 16-Hour Day

13 Zinc Air (days)	13-17	13-17
312 Zinc Air (days)	7-10	7-10
10 Zinc Air (days)	5-7	5-7

▶ Matrices	111/40, 115/45, 115/50, 123/60, 130/70
▶ Battery Size	13, 312, 10



OSPL90 (gray) and Full-On Gain (black) curves for the 3 Series ITC at the highest matrix of 130/70.

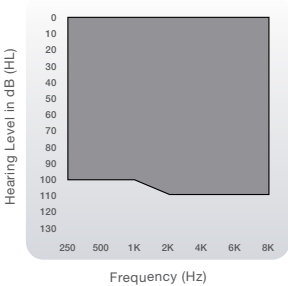
CIC

COMPLETELY-IN-CANAL

110 / 90 / 70 / 30 / 20

CIC

FITTING GUIDE



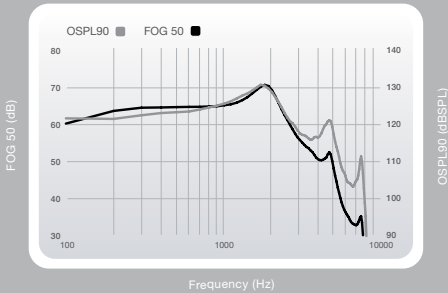
3 Series CIC fitting range.

COLOR GUIDE



Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	111-130	120-139
HFA OSPL90 (dB SPL)	104-126	N/A
RTF OSPL90 (dB SPL)	N/A	111-138
Peak Gain (dB)	40-70	50-79
HFA Full-On Gain (dB)	36-65	N/A
RTF Full-On Gain (dB)	N/A	44-78
Frequency Range (Hz)	100-7600	100-7600
Reference Test Freq. (kHz)	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	27-49	36-63
Harmonic Distortion		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3
Induction Coil Sensitivity		
HFA SPLITS (ANSI) (dB SPL)	89-109	N/A
MASL (IEC) (dB SPL)	N/A	73-108
ANSI/IEC Battery Current (mA)	1.1-1.7	1.1-1.7
Idle Current (mA)	1.0-1.3	1.0-1.3
Estimated Battery Life for 16-Hour Day		
13 Zinc Air (days)	13-17	13-17
312 Zinc Air (days)	7-10	7-10
10 Zinc Air (days)	5-7	5-7

- ▶ **Matrices** 111/40, 115/50, 123/60, 130/70
- ▶ **Battery Size** 13, 312, 10



OSPL90 (gray) and Full-On Gain (black) curves for the 3 Series CIC at the highest matrix of 130/70.