

## Element™ 16 Custom

AutoPro2™

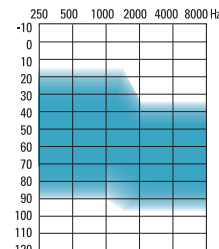
16 Channels, 16 Bands, Adaptive Directionality

### HEARING AID FEATURES

- AutoPro2™ intelligently analyzes the input signal and quickly adapts to one of 2 distinct destinations. Within each destination, the adaptive features can be customized for optimal listening and comfort.
- Adaptive directional microphone system tracks and suppresses moving noise sources, while focusing on sounds from the front
- Noise reduction analyzes input and automatically reduces noise signals independently in each of the 16 bands
- Speech enhancement LD analyzes the input signal and automatically emphasizes speech signals independently in each of the 16 bands. The amount of speech enhancement applied is based on the input level of the identified speech signals.
- AntiShock instantaneously reduces the level of impulse noises such as a door slam, while maintaining the quality and intelligibility of speech
- Phase canceller continuously monitors for feedback and accurately calculates and applies the required counter signal for feedback cancellation
- Wind noise manager intuitively engages based on moderate or high wind conditions
- 16 channels provide high resolution signal processing
- Choice of 2 processing strategies (WDRC and Linear Limiting) for increased fitting flexibility
- 3 additional manual programs provide customization for individual needs and preferences
- Ideal volume indicator provides a beep notification when recommended gain is reached on the volume control
- Data logging accurately records the wearer's usage, volume control changes and manual program use
- Low battery warning
- Start up delay
- On/Off by opening or closing the battery door or by rotating the manual VC
- Element 16 can be programmed using NOAH-compatible U:fit™ and Standalone U:fit fitting software

### OPTIONS

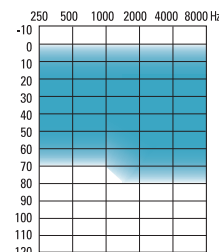
- Telecoil (T) or Microphone/Telecoil (MT) option can be set as one of the three manual programs
- Easy-t provides automatic switching to a dedicated telephone program



Fitting Guide



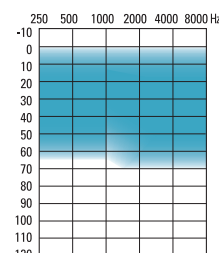
122/60  
Full Shell Power



Fitting Guide



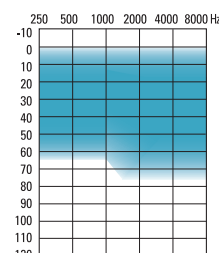
115/50  
Full Shell



Fitting Guide



113/48  
Half Shell / Canal



Fitting Guide



112/40  
Mini Canal / CIC

Element 16 Custom is suitable for fitting mild to severe hearing losses and can fit audiogram configurations ranging from reverse to precipitously sloping.

# Element 16 Custom

ANSI S3.22-1996 / IEC 118-7 2CC COUPLER TECHNICAL DATA		ANSI S3.22-1996 / IEC 118-0 OES COUPLER TECHNICAL DATA	
CIC/Mini Canal	Canal/Half Shell	Full Shell	Full Shell Power
<b>OSPL90</b> Maximum HFA at 1.6 kHz	112 dB 108 dB 106 dB	115 dB 110 dB 108 dB	122 dB 119 dB 121 dB
<b>Full on Gain</b> (input 50 dB) Maximum HFA at 1.6 kHz	40 dB 33 dB 32 dB	50 dB 42 dB 40 dB	60 dB 53 dB 56 dB
<b>Basic Frequency Response</b> (based on full shell 118/50) Frequency Range (Hz) Reference Test Gain (ANSI 1996)	200-7000 31 dB	200-6500 33 dB	200-5600 42 dB
<b>Induction Coil Sensitivity</b> (ANSI 1996, 31.6 mA/m) (based on full shell 118/50) HFA SPLITS STS	91 dB 0 dB	92 dB 0 dB	102 dB 0 dB
<b>Current Drain at RTG</b> Battery Size Typical Battery Life Equivalent Input Noise at RTG Total Harmonic Distortion at 500 Hz at 800 Hz at 1600 Hz EMC immunity by IEC 118-13, Field Strength 75/50 V/m, Omni mode IRIIL Low/High band dB SPL	1.0 mA 10A 90 h 22 dB 1.0% 0.5% 0.5% 37/38	1.1 mA 13 260 h 22 dB 1.0% 0.5% 0.5% 36/40	1.1 mA 13 260 h 21 dB 1.5% 1.0% 1.0% 38/38

## IEC 118-0 OES COUPLER TECHNICAL DATA

CIC/Mini Canal	Canal/Half Shell	Full Shell	Full Shell Power
122 dB 114 dB	123 dB 115 dB	125 dB 116 dB	131 dB 130 dB
<b>OSPL90</b> Maximum Output at 1.6 kHz			
<b>Full on Gain</b> (input 50 dB) Maximum at 1.6 kHz			
<b>Basic Frequency Response</b> (based on full shell 118/50) Frequency Range in Hz (DIN) Reference Test Gain			
<b>Induction Coil Sensitivity</b> (1 mA/m) (based on full shell 118/50) Maximum at 1.6 kHz			
<b>Current Drain at RTG</b> Battery Size Typical Battery Life Equivalent Input Noise at RTG Total Harmonic Distortion at 500 Hz at 800 Hz at 1600 Hz EMC immunity by IEC 118-13, Field Strength 75/50 V/m, Omni mode IRIIL Low/High band dB SPL	1.0 mA 10A 90 h 21 dB 1.5% 1.0% 1.0% 37/38	1.0 mA 13 290 h 21 dB 1.5% 1.0% 1.0% 36/40	1.1 mA 13 260 h 21 dB 1.5% 1.0% 1.0% 38/38

We reserve the right to change specification data without notice as improvements are introduced.