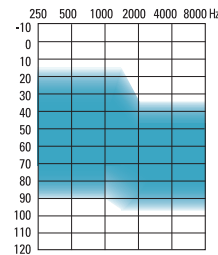


## Element™ 4 Custom

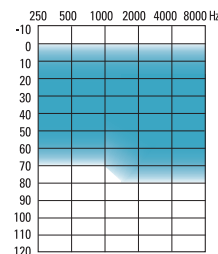
3 Manual Programs  
4 Channels, 8 bands, Directional



Fitting Guide



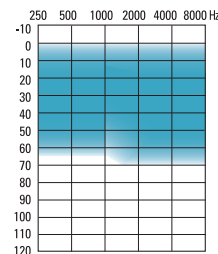
122/60  
Full Shell Power



Fitting Guide



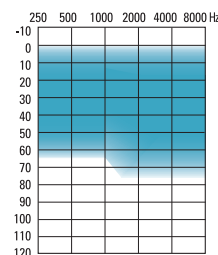
115/50  
Full Shell



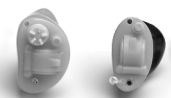
Fitting Guide



113/48  
Half Shell / Canal



Fitting Guide



112/40  
Mini Canal / CIC

Element 4 Custom is suitable for fitting mild to severe hearing losses and can fit audiogram configurations ranging from reverse to precipitously sloping.

# Element 4 Custom

| ANSI S3.22-1996 / IEC 118-7 2CC COUPLER TECHNICAL DATA  |                      | ANSI S3.22-1996 / IEC 118-7 2CC COUPLER TECHNICAL DATA  |                       | ANSI S3.22-1996 / IEC 118-7 2CC COUPLER TECHNICAL DATA  |                       | ANSI S3.22-1996 / IEC 118-7 2CC COUPLER TECHNICAL DATA  |                       | ANSI S3.22-1996 / IEC 118-7 2CC COUPLER TECHNICAL DATA  |                       | ANSI S3.22-1996 / IEC 118-7 2CC COUPLER TECHNICAL DATA  |                       | ANSI S3.22-1996 / IEC 118-7 2CC COUPLER TECHNICAL DATA  |                       | ANSI S3.22-1996 / IEC 118-7 2CC COUPLER TECHNICAL DATA  |                       |   |  |
|---|----------------------|---|-----------------------|---|-----------------------|---|-----------------------|---|-----------------------|---|-----------------------|---|-----------------------|---|-----------------------|---|--|
| CIC/<br>Mini Canal  | Canal/<br>Half Shell | Full<br>Shell   | Full Shell<br>Power   | CIC/<br>Mini Canal  | Canal/<br>Half Shell  | Full<br>Shell   | Full Shell<br>Power   | CIC/<br>Mini Canal  | Canal/<br>Half Shell  | Full<br>Shell   | Full Shell<br>Power   | CIC/<br>Mini Canal  | Canal/<br>Half Shell  | Full<br>Shell   | Full Shell<br>Power   |   |  |
| <b>OSPL90</b><br>Maximum<br>HFA<br>at 1.6 kHz   |                      | 112 dB  | 113 dB                | 115 dB  | 113 dB                | 115 dB  | 122 dB                | 112 dB  | 113 dB                | 115 dB  | 122 dB                | 112 dB  | 123 dB                | 125 dB  | 131 dB                |   |  |
| <b>Full on Gain</b><br>(input 50 dB)<br>Maximum<br>HFA<br>at 1.6 kHz  |                      | 40 dB   | 48 dB                 | 50 dB   | 48 dB                 | 50 dB   | 60 dB                 | 40 dB   | 48 dB                 | 50 dB   | 60 dB                 | 51 dB   | 58 dB                 | 60 dB   | 70 dB                 |   |  |
| <b>Basic Frequency Response</b><br>(based on full shell 118/50)<br>Frequency Range (Hz)<br>Reference Test Gain<br>(ANSI 1996)   |                      | 200-<br>7000<br>31 dB   | 200-<br>7100<br>32 dB | 200-<br>6500<br>33 dB   | 200-<br>7100<br>32 dB | 200-<br>6500<br>33 dB   | 200-<br>5600<br>42 dB | 200-<br>7600<br>33 dB   | 200-<br>8000<br>39 dB | 200-<br>7100<br>40 dB   | 200-<br>5300<br>54 dB | 200-<br>7600<br>33 dB   | 200-<br>8000<br>39 dB | 200-<br>7100<br>40 dB   | 200-<br>5300<br>54 dB |   |  |
| <b>Induction Coil Sensitivity</b><br>(ANSI 1996, 31.6 mA/m)<br>(based on full shell 118/50)<br>HFA SPLITS<br>STS  |                      | 91 dB<br>0 dB   | 92 dB<br>0 dB         | 94 dB<br>1 dB   | 92 dB<br>0 dB         | 94 dB<br>1 dB   | 102 dB<br>0 dB        | 80 dB<br>70 dB  | 89 dB<br>79 dB        | 90 dB<br>80 dB  | 100 dB<br>96 dB       | 80 dB<br>70 dB  | 89 dB<br>79 dB        | 90 dB<br>80 dB  | 100 dB<br>96 dB       |   |  |
| <b>OSPL90</b><br>Maximum<br>Output at 1.6 kHz   |                      |   |                       |   |                       |   |                       |   |                       |   |                       |   |                       |   |                       |   |  |
| <b>Full on Gain</b><br>(input 50 dB)<br>Maximum<br>at 1.6 kHz   |                      |   |                       |   |                       |   |                       |   |                       |   |                       |   |                       |   |                       |   |  |
| <b>Basic Frequency Response</b><br>(based on full shell 118/50)<br>Frequency Range<br>in Hz (DIN)<br>Reference Test Gain  |                      |   |                       |   |                       |   |                       |   |                       |   |                       |   |                       |   |                       |   |  |
| <b>Induction Coil Sensitivity</b><br>(1 mA/m)<br>(based on full shell 118/50)<br>Maximum<br>at 1.6 kHz  |                      |   |                       |   |                       |   |                       |   |                       |   |                       |   |                       |   |                       |   |  |
| <b>Test Conditions:</b><br>Battery: 10/312/13<br>Source: Voltage 1.3 V<br>Vent: Closed at canal end<br>The measurement data obtained with hearing aid set to omni mode with all adaptive features disabled. |                      | <b>Test Conditions:</b><br>Battery: 10/312/13<br>Source: Voltage 1.3 V<br>Vent: Closed at canal end<br>The measurement data obtained with hearing aid set to omni mode with all adaptive features disabled. |                       | <b>Test Conditions:</b><br>Battery: 10/312/13<br>Source: Voltage 1.3 V<br>Vent: Closed at canal end<br>The measurement data obtained with hearing aid set to omni mode with all adaptive features disabled. |                       | <b>Test Conditions:</b><br>Battery: 10/312/13<br>Source: Voltage 1.3 V<br>Vent: Closed at canal end<br>The measurement data obtained with hearing aid set to omni mode with all adaptive features disabled. |                       | <b>Test Conditions:</b><br>Battery: 10/312/13<br>Source: Voltage 1.3 V<br>Vent: Closed at canal end<br>The measurement data obtained with hearing aid set to omni mode with all adaptive features disabled. |                       | <b>Test Conditions:</b><br>Battery: 10/312/13<br>Source: Voltage 1.3 V<br>Vent: Closed at canal end<br>The measurement data obtained with hearing aid set to omni mode with all adaptive features disabled. |                       | <b>Test Conditions:</b><br>Battery: 10/312/13<br>Source: Voltage 1.3 V<br>Vent: Closed at canal end<br>The measurement data obtained with hearing aid set to omni mode with all adaptive features disabled. |                       | <b>Test Conditions:</b><br>Battery: 10/312/13<br>Source: Voltage 1.3 V<br>Vent: Closed at canal end<br>The measurement data obtained with hearing aid set to omni mode with all adaptive features disabled. |                       | <b>Test Conditions:</b><br>Battery: 10/312/13<br>Source: Voltage 1.3 V<br>Vent: Closed at canal end<br>The measurement data obtained with hearing aid set to omni mode with all adaptive features disabled. |  |
| <b>Current Drain at RTG</b>   |                      | 1.0 mA  | 1.1 mA                | 1.1 mA  | 1.1 mA                | 1.1 mA  | 1.1 mA                | 1.0 mA  | 1.0 mA                | 1.0 mA  | 1.1 mA                | 1.0 mA  | 1.0 mA                | 1.0 mA  | 1.1 mA                |   |  |
| <b>Battery Size</b>   |                      | 10A   | 312                   | 13  | 312                   | 13  | 13                    | 10A   | 312                   | 13  | 13                    | 10A   | 312                   | 13  | 13                    |   |  |
| <b>Typical Battery Life</b>   |                      | 90 h  | 135 h                 | 260 h   | 135 h                 | 260 h   | 260 h                 | 90 h  | 150 h                 | 290 h   | 260 h                 | 90 h  | 150 h                 | 290 h   | 260 h                 |   |  |
| <b>Equivalent Input Noise at RTG</b>  |                      | 22 dB   | 22 dB                 | 22 dB   | 22 dB                 | 22 dB   | 22 dB                 | 21 dB   | 21 dB                 | 21 dB   | 21 dB                 | 21 dB   | 21 dB                 | 21 dB   | 21 dB                 |   |  |
| <b>Total Harmonic Distortion</b><br>at 500 Hz<br>at 800 Hz<br>at 1600 Hz  |                      | 1.0%<br>0.5%<br>0.5%  | 1.5%<br>1.5%<br>1.5%  | 1.0%<br>0.5%<br>0.5%  | 1.5%<br>1.5%<br>1.5%  | 1.0%<br>0.5%<br>0.5%  | 1.0%<br>0.5%<br>0.5%  | 1.5%<br>1.0%<br>1.0%  | 1.5%<br>1.0%<br>1.0%  | 1.5%<br>0.5%<br>0.5%  | 1.5%<br>1.0%<br>1.0%  | 1.5%<br>1.0%<br>1.0%  | 1.5%<br>1.0%<br>1.0%  | 1.5%<br>0.5%<br>0.5%  | 1.5%<br>1.0%<br>1.0%  |   |  |
| <b>EMC immunity by IEC 118-13,</b><br>Field Strength 75/50 V/m,<br>Omni mode  |                      | 37/38   |                       | 38/38   |                       | 36/40   |                       | 37/38   |                       | 38/38   |                       | 37/38   |                       | 36/40   |                       | 38/38   |  |
| <b>IRIL Low/High band dB SPL</b>  |                      | 37/38   |                       | 38/38   |                       | 36/40   |                       | 37/38   |                       | 38/38   |                       | 37/38   |                       | 36/40   |                       | 38/38   |  |

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

