



autel



Betaflex
EXTEND ELEGANCE

Technology and design for better hearing



A new look on hearing





Beta Flex Extend Elegance is a revolutionary **bone conduction hearing aid** born from Autel's research, a company with forty years experience in the research of innovative solutions in the hearing aid field.



The cold shaping process



Establish rapidly and with the utmost precision the right adjustment of the bone conductor.

With the innovative Autel Flex system the fitting of the hearing aid is made simpler and more effective by using a cold shaping process so to ensure that the bone conductor is perfectly positioned over the mastoid area of the patient's ear. With Beta Flex Extend Elegance we can finally say goodbye to the old method of hot shaping and considerably improve the time and the final result of a hearing aid fitting.



INCREASED HEARING AID ADHERENCE

The innovative cold shaping system enables the audiologist to achieve greater applied precision.



TELESCOPIC EXTENSION SYSTEM

Simply slide the extension to the desired length and tighten screw.

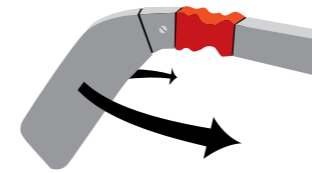


MADE IN ITALY DESIGN

A modern, slim, light spectacle, carefully designed in all its details. All made of the best quality materials.

The **strong points** of Beta Flex Extend Elegance

More adherence, more precision best performance



The innovative cold shaping process enables the audiologist to achieve greater applied precision than that obtained with traditional systems.

The simplicity of the shaping technique makes it possible to establish rapidly and with **the utmost precision the right adjustment of the bone conductor** to the mastoid area increasing the adherence of the hearing aid as well as improving its performance.

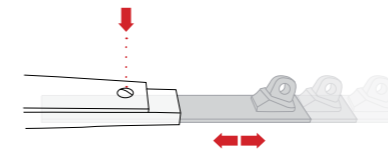
Simpler, faster, no errors

When using the traditional hot shaping method it takes on average 25 minutes to adjust the hearing aid to the correct size.

Now, with the Flex system, this procedure has been greatly simplified and offers the audiologist considerable **TIME SAVING** together with higher quality of the end product.



Optimal adherence More comfort and a higher performance

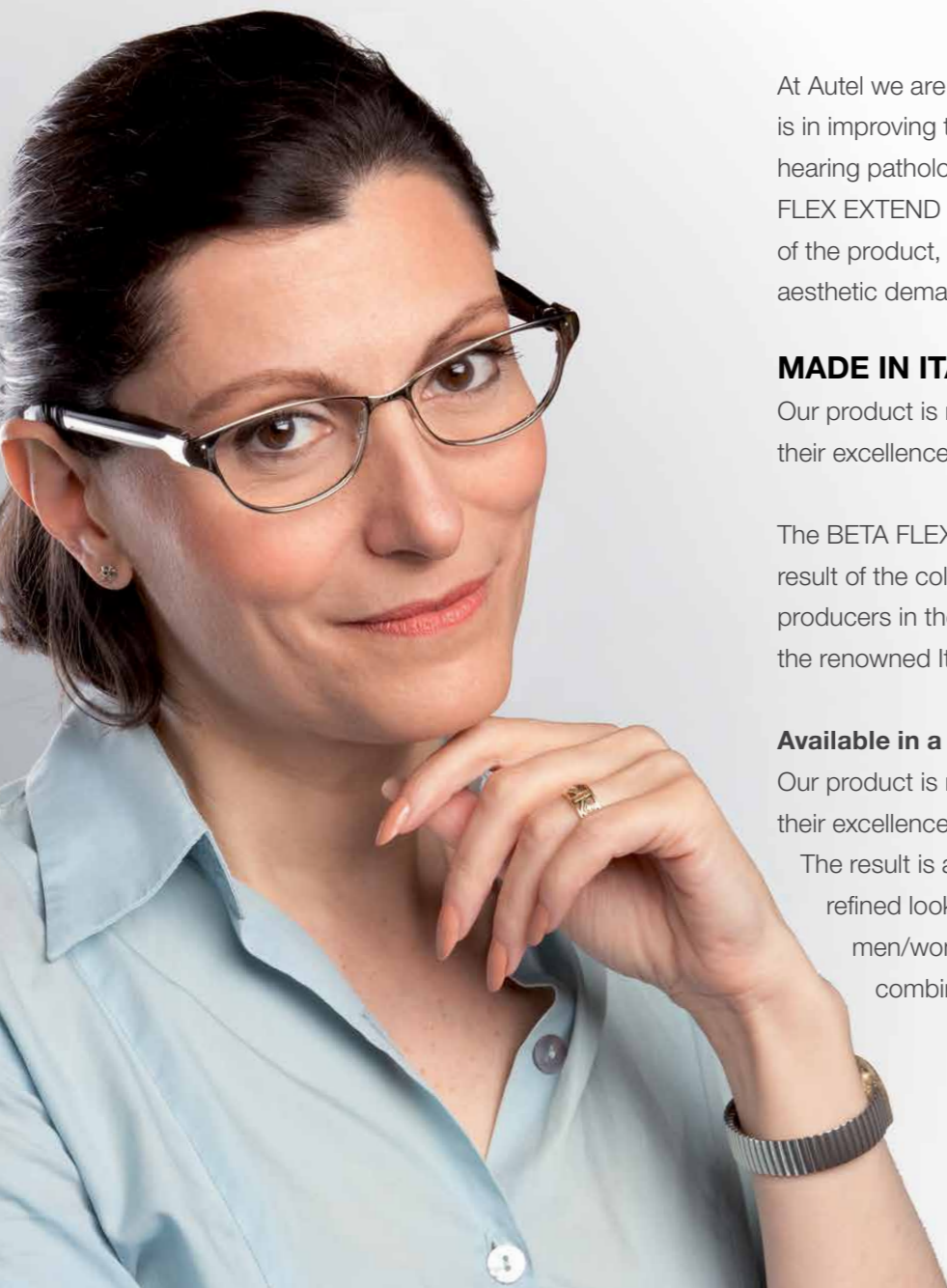


The telescopic system, besides being more immediate, is extremely precise, allowing the device to perfectly fit to the patient's physiognomy. This means significant advantages for both the comfort and the sound performance.

THE CONCEPT OF BETA FLEX EXTEND ELEGANCE IS **BASED ON 2 MAIN AIMS:**

- Improving the quality of the audiologist's work
- Enhancing the acoustic performance of the hearing aid to provide the user with a higher standard of hearing

Design and quality **Made in Italy**



At Autel we are aware of how important a hearing aid is in improving the quality of life of people affected by hearing pathologies. This is why when conceiving BETA FLEX EXTEND ELEGANCE we designed every detail of the product, so that it would satisfy completely the aesthetic demands of the patients.

MADE IN ITALY DESIGN

Our product is made of materials especially chosen for their excellence, so to ensure its highest quality.

The BETA FLEX EXTEND ELEGANCE design is the result of the collaboration between Autel and the best producers in the optical sector, true representatives of the renowned Italian design tradition.

Available in a wide range of colour combinations

Our product is made of materials especially chosen for their excellence, so to ensure the highest quality.

The result is a slim, light spectacle with a modern, refined look, that comes in 2 separate versions for men/women, available in a rich choice of colour combinations.



FRAME



BLACK



NICKEL



GOLD

EXTENSION



BLACK



NICKEL



GOLD

TEMPLE



BLACK



NICKEL



BROWN



BRIAR

TYPES

DGT Digital programmable with trimmers

TECHNICAL FEATURES

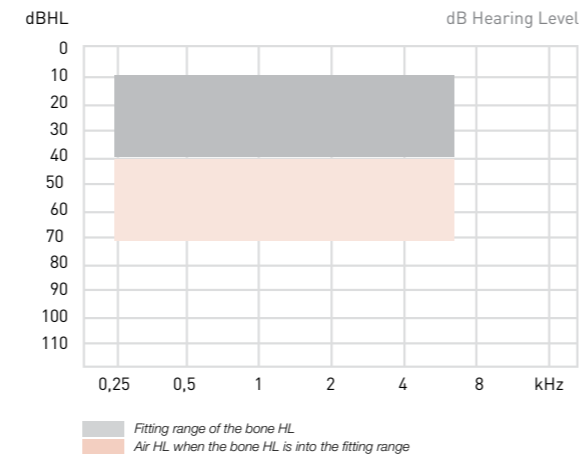
	DGT 2	DGT 4
Trimmer	2	4
Low tone control	yes	yes
High tone control	no	yes
Gain control	yes	yes
Volume control	yes	yes
Power control	yes	yes
M-T switch *	yes	yes
High GSM immune microphone	yes	yes
Acoustic warning for low battery	yes	yes

* M : MICROPHONE T : TELECOIL

GENERAL FEATURES

- 100% digital class D circuit
- Comfortable listening in conditions of high sound levels

FITTING RANGE

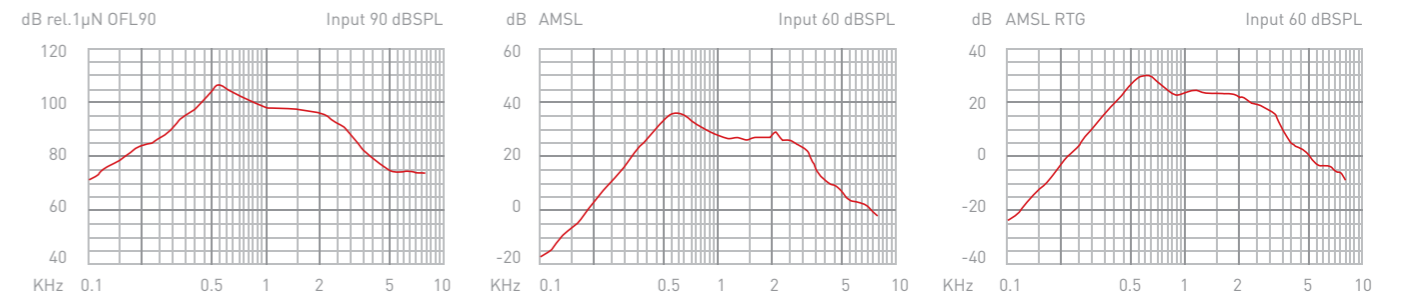


TECHNICAL DATA

CEI 29-13 (IEC118-9)

Output force level max	
Peak	108 dB rel.1μ N
1.600 Hz	96 dB rel.1μ N
Mechanical-acoustic sensitivity level (AMSL)	
Peak	37 dB
1.600 Hz	26 dB
Mechanical-acoustic sensitivity level (RTG)	21 dB
Frequency range	250 Hz 5000 Hz
Equivalent input noise level	28 dB rel.1μ N
Maximum coil sensitivity (10mA/m)	67 dB rel.1μ N
THD Total harmonic distortion (500 / 800 / 1600 Hz)	< 2,5 / 0,2 / 0,1 %
Battery current	< 1,6 mA
Battery type (Zinc-air)	675
Average battery life	@ 310 h
Reference test frequency	1600 Hz

CURVA CEI 29-13 (IEC 118-9)



Measuring conditions

Artificial mastoid type:
B&K 4930

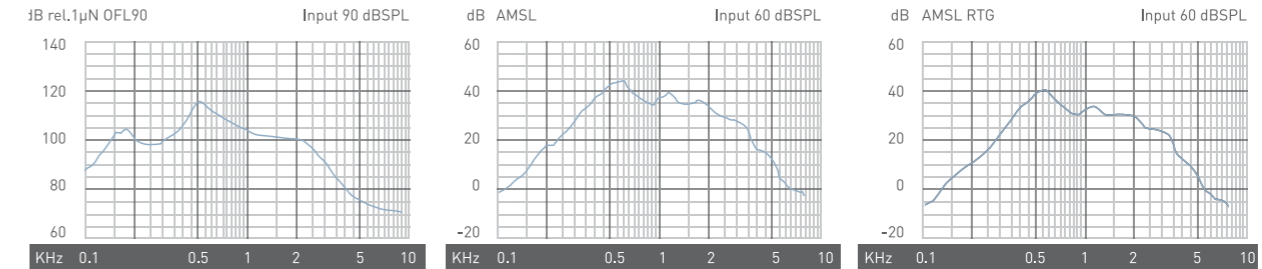
Environmental conditions:
T = 23° +/- 5°
U.R.= 40-80%
PA = 101,3 kPa

Operating voltage:
1,3 Volts

Tolerances:
+/- 4 dB up to 2kHz
+/- 6 dB up to 4kHz

POWER

A stronger version of the hearing aid's bone conductor



Output force level max

Peak	115 dB rel.1µ N
1.600 Hz	103 dB rel.1µ N

Mechanical acoustic sensitivity level AMSL

Peak	48 dB
1.600 Hz	35 dB

Mechanical acoustic sensitivity level RTG

30 dB

Frequency range

250 Hz 4500 Hz

Equivalent noise level

35 dB rel.1µ N

Induction coil sensitivity (10mA / m)

79 dB rel.1µ N

Distortion THD (500 / 800 / 1600 Hz)

< 2,5 / 0,2 / 0,1 %

Battery current

< 1,5 mA

Battery type (Zinc-air)

675

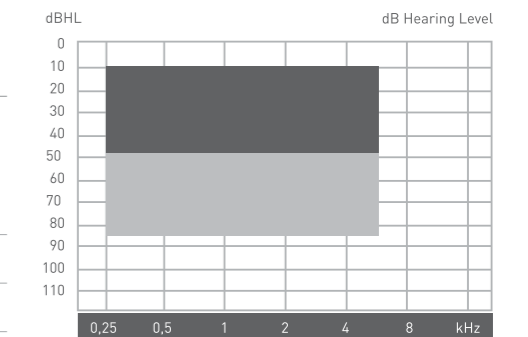
Average battery life

@ 310 h

Reference test frequency

1600 Hz

FITTING RANGE



■ Fitting range of the bone HL
 ■ Air HL when the bone HL is into the fitting range

MEASURING CONDITIONS

Artificial mastoid type: B&K 4930

Environmental conditions:

T = 23° +/- 5°

RH = 40-80%

PA = 101,3 kPa

Operating voltage: 1,3 Volts

Tolerances:

+/- 4 dB up to 2kHz

+/- 6 dB up to 4kHz



ALEX



SARA



CELESIS



SISTINA





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