



Betaflex
ELEGANCE

TECHNOLOGY AND DESIGN
FOR BETTER HEARING

Betaflex
ELEGANCE

A NEW LOOK ON HEARING





INNOVATION SIMPLIFIES AUDIOLOGISTS' WORK AND ENHANCES THE QUALITY OF LIFE OF THEIR PATIENTS

BETA FLEX ELEGANCE IS A REVOLUTIONARY **BONE CONDUCTION HEARING AID** BORN FROM AUTEL'S RESEARCH, A COMPANY WITH 40 YEARS EXPERIENCE IN THE RESEARCH OF **INNOVATIVE SOLUTIONS IN THE HEARING AID FIELD.**



THE COLD SHAPING PROCESS



THE SIMPLER THE HEARING AID THE HIGHER THE PERFORMANCE

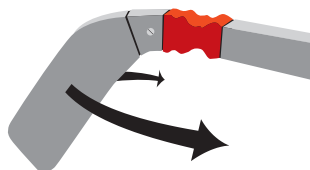
With the innovative Autel Flex system the fitting of the hearing aid is made simpler and more effective by using a cold shaping process so to ensure that the bone conductor is perfectly positioned over the mastoid area of the patient's ear.

With Beta Flex 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.

THE STRONG POINTS OF BETA FLEX ELEGANCE

THE CONCEPT OF BETA FLEX 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



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.

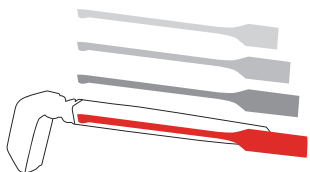
The simplicity of the shaping technique makes it possible to establish rapidly and with the utmost precision the right adjustment of the bone conductor to the mastoid area increasing the adherence of the hearing aid as well as improving its performance.



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



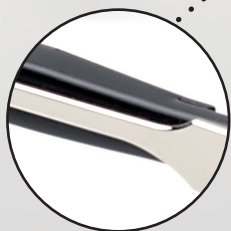
MORE ADAPTABLE AND SUITABLE TO ALL PHYSIOGNOMIES

BETA FLEX ELEGANCE has been designed with an efficient system of size adjustment of the hearing aid based on 4 STANDARD EXTENSION LENGTHS that, together with the shaping process, suit all cranial physiognomies.



INCREASED HEARING AID ADHERENCE

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



APPLICATION OF THE EXTENSIONS

The standard extensions supplied enables the audiologist to eliminate an extra procedural step, the traditional cutting to size of the temple. Fitting is carried out by simply applying two screws.



MADE IN ITALY DESIGN

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

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 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 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



RED

TEMPLE



BLACK



NICKEL



BROWN



BRIAR

TYPES

DGT	Digital programmable with trimmers
DSP	Digital programmable using AUTEL FBC software

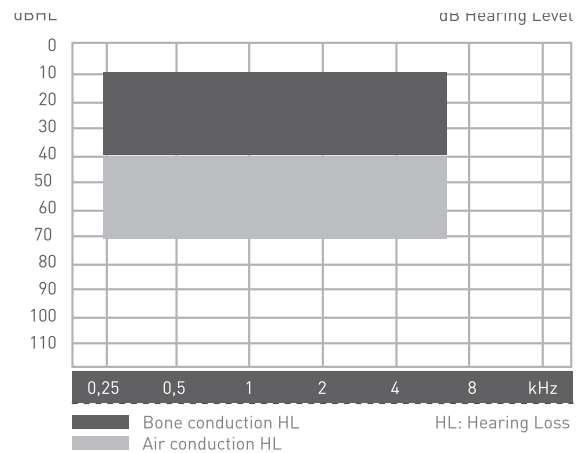
TECHNICAL FEATURES

	DGT 2	DGT 4	DSP 1/M	DSP 4/M
Trimmer	2	4	no	no
Low tone control	yes	yes	yes	yes
High tone control	no	yes	yes	yes
Gain control	yes	yes	yes	yes
Volume control	yes	yes	yes	yes
Power control	yes	yes	yes	yes
M-T switch	yes	yes	yes	yes
High GSM immune microphone	yes	yes	yes	yes
Acoustic warning for low battery	yes	yes	yes	yes

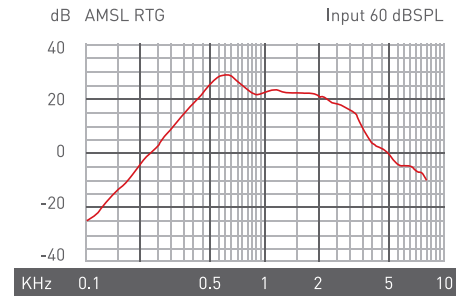
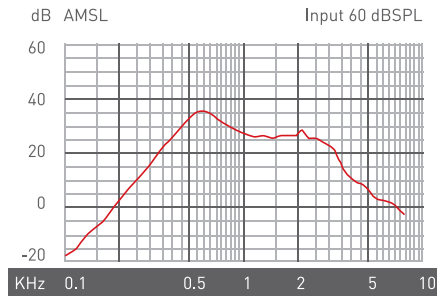
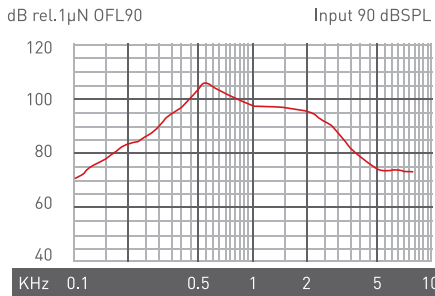
GENERAL FEATURES

- 100% DIGITAL CLASS D CIRCUIT
- COMFORTABLE LISTENING IN CONDITIONS OF HIGH SOUND LEVELS

APPLICATION FIELD



Individual patient results may vary.



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

TECHNICAL DATA

CEI 29-13 (IEC118-9)

Output force level max

Peak

108 dB rel.1 μ N

1.600 Hz

96 dB rel.1 μ 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 level28 dB rel.1 μ N**Maximum coil sensitivity** (10mA/m)67 dB rel.1 μ 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

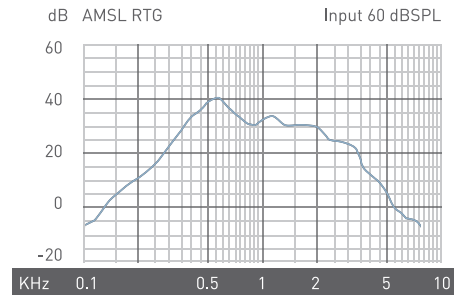
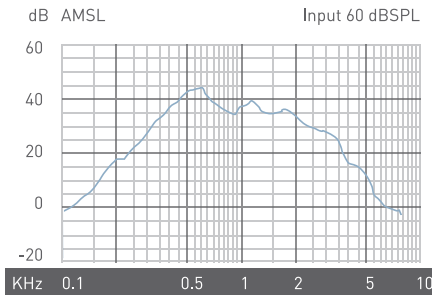
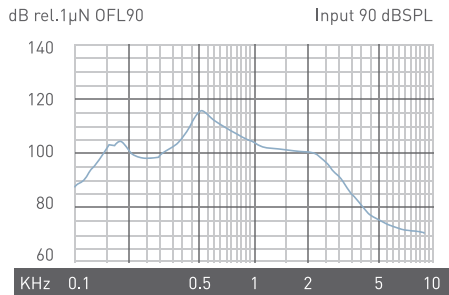
Reference test frequency

1600 Hz



Power

POWER TECHNOLOGY



CEI 29-13 (IEC118-9)

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

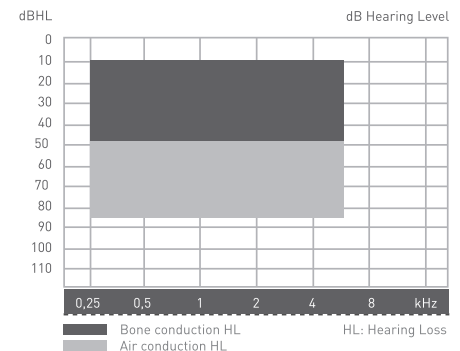
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APPLICATION FIELD



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Artificial mastoid type: B&K 4930

Environmental conditions:

T = 23° +/- 5°
RH = 40-80%
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Operating voltage: 1,3 Volts

Tolerances:

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

Individual patient results may vary.

HEARING AIDS

	BROWN		BLACK		NICKEL		BRIAR	
	R	L	R	L	R	L	R	L
DGT 2	ELET 1813	ELET 1814	ELET 1815	ELET 1816	ELET 1817	ELET 1818	ELET 1819	ELET 1820
DGT 4	ELET 1821	ELET 1822	ELET 1823	ELET 1824	ELET 1825	ELET 1826	ELET 1827	ELET 1828
DSP1M	ELET 1829	ELET 1830	ELET 1831	ELET 1832	ELET 1833	ELET 1834	ELET 1835	ELET 1836
DSP 4M	ELET 1837	ELET 1838	ELET 1839	ELET 1840	ELET 1841	ELET 1842	ELET 1843	ELET 1844

FRAMES

TYPES	NICKEL	GOLD	BLACK
MEN'S FRAMES SIZE MIS 54	MEC 1641	MEC 1645	MEC 1643
MEN'S FRAMES SIZE MIS 56	MEC 1642	MEC 1646	MEC 1644
WOMEN'S FRAMES SIZE MIS 52	MEC 1648	MEC 1647	MEC 1649

EXTENSIONS

	R	L
NICKEL EXTENSIONS SIZE 1	MEC 1650	MEC 1651
NICKEL EXTENSIONS SIZE 2	MEC 1652	MEC 1653
NICKEL EXTENSIONS SIZE 3	MEC 1654	MEC 1655
NICKEL EXTENSIONS SIZE 4	MEC 1656	MEC 1657
GOLD EXTENSIONS SIZE 1	MEC 1658	MEC 1659
GOLD EXTENSIONS SIZE 2	MEC 1660	MEC 1661
GOLD EXTENSIONS SIZE 3	MEC 1662	MEC 1663
GOLD EXTENSIONS SIZE 4	MEC 1664	MEC 1665
BLACK EXTENSIONS SIZE 1	MEC 1666	MEC 1667
BLACK EXTENSIONS SIZE 2	MEC 1668	MEC 1669
BLACK EXTENSIONS SIZE 3	MEC 1670	MEC 1671
BLACK EXTENSIONS SIZE 4	MEC 1672	MEC 1673
RED EXTENSIONS SIZE 1	MEC 1674	MEC 1675
RED EXTENSIONS SIZE 2	MEC 1676	MEC 1677
RED EXTENSIONS SIZE 3	MEC 1678	MEC 1679
RED EXTENSIONS SIZE 4	MEC 1680	MEC 1681



AT AUTEL WE HAVE BEEN WORKING 40 YEARS ON IDEAS AND SOLUTIONS TO IMPROVE THE QUALITY OF LIFE FOR PEOPLE AFFECTED BY HEARING IMPAIRMENT.

The sense of our mission is to continue to invest in research and in technology to give the best support we can to this cause.

RESEARCH AND DEVELOPMENT

Behind the safety and reliability of Autel hearing aids there is a team of researchers that follows closely every technological innovation in the world's audiology sector.

Highly trained technicians, working with sophisticated hi-tech equipment, work on all the elements gathered by the research group, to design and produce the modern Autel hearing aids.

Access to the latest advances of science inspires our technological innovations.

PRODUCTION AND ASSEMBLY

The various components of each hearing aid are commercially produced with modern methods that benefit from the technological knowledge of the leading companies.

Every step of the production is supported by specific machinery and every phase is subject to constant checks, to ensure that each product conforms to the quality standards demanded by Autel.

CE 0476

THE DETAILS PUBLISHED HEREIN MAY BE ALTERED WITHOUT PRIOR NOTICE
THIS PUBLICATION IS INTENDED FOR EXPERTS IN THE FIELD ONLY

Betaflex

ELEGANCE



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