

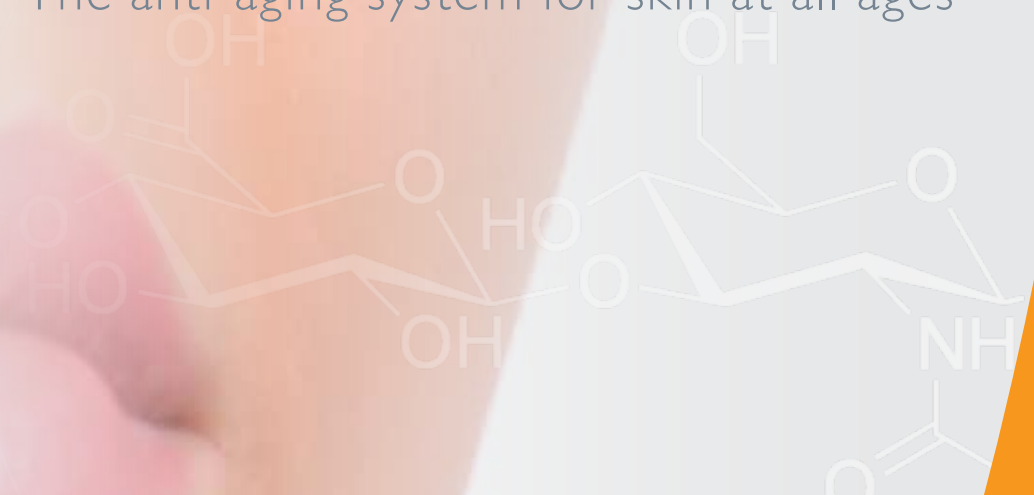


**Z**  
fill

for youthful,  
wrinkle-free  
skin

**Zimmer**

The anti-aging system for skin at all ages





## The new *ZFill* product line



**Only the highest quality deserves your trust.**

The purest hyaluronic acid of non-animal origin is the basis for the new *ZFill* generation from Zimmer MedizinSysteme. The product product line includes three injectable fillers which cover the whole spectrum of facial rejuvenation and volume augmentation.

**Proven quality from products made in Europe**

The three hyaluronic acid fillers of the *ZFill* product line are manufactured according to strict European quality and safety standards. They comply with the ISO 9001, ISO 13485 and GMP (Good Manufacturing Practice) standards and guidelines. Toxicological and biocompatibility tests are carried out in accordance to the ISO 10993 series of standards.

for natural hyaluronic acid treatment



**100% biodegradable.**

The gels are extremely stable due to an innovative, multi-stage manufacturing process. This slows down the body's own degradation processes, ensuring a long-lasting effect. A rejuvenation effect is visible immediately after the hyaluronic acid treatment. *Z Fill* revitalises aging skin in a way that lasts. It compensates age-related loss of hyaluronic acid and systematically moisturises the dermis.

***Z Fill refresh*<sup>2</sup>**

Mesotherapy for natural regeneration.

***Z Fill contour*<sup>2</sup>**

For a youthful appearance and perfect lips.

***Z Fill deep*<sup>2</sup>**

Gel for moderate and deep wrinkles.



**Zimmer MedizinSysteme – a reliable partner in your success**

By choosing *Z Fill* you decide to purchase a product supplied by Zimmer MedizinSysteme, one of the best known medical device manufacturers. In addition you will benefit from over forty years' experience and expertise in the field of medical devices, outstanding service and excellent customer support.

***Z Fill* – the top-quality product for optimum results**

- The hyaluronic acid fillers in the *Z Fill* range are extremely homogeneous and smooth, which means that they can be injected easily, evenly and precisely.
- *Z Fill* is highly viscous, so that it penetrates tissues very well. This ensures a smooth transition and natural-looking beauty.
- The cosmetic effect is apparent immediately after treatment and lasts for several months.



# natural beauty in harmony with nature

## **A good feeling. For you and your patients.**

- *ZFill* is allergen-free and very well tolerated.
- A thorough cleaning process, oxygen removal and sterilisation of the hyaluronic acid prevents side effects.
- *ZFill* products are made in Europe and meet strict European standards. They are the fruit of ongoing research.
- The outstanding flow properties of *ZFill* gel implants mean that they can be administered with thin cannulas.

## **Safety and comfort**

- Sterile glass syringe
- Specially shaped piston rod
- Ergonomic finger rest (rotates through 360°)
- Stability and good control throughout the treatment







Highest purity  
for maximum safety

# Quality for lasting effects

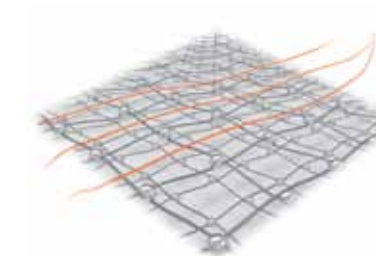
1. The basis for *ZFill* is pure hyaluronic acid of non-animal origin obtained from biofermentation. A special process is used at first for careful alignment of the molecular chains.



2. Cross-linking: BDDE is added to build cross-links between the hyaluronic acid chains. This creates a very dense, three-dimensional matrix, making the gel more stable and the ability to withstand the degradation processes of the skin. – This is why the effects of *ZFill* contour<sup>2</sup> and *ZFill* deep<sup>2</sup> last so long.



3. The product is then homogenised. The gel is now viscous and also very soft and elastic – ideal for even, controlled injection through thin cannulas.



4. This is followed by a complex cleaning process. All surplus and harmful elements (unbound BDDE, proteins and endotoxins) are carefully removed. The result - extremely high purity, well above the strict requirements of the European medical devices directive.



5. The gel then has its oxygen removed, resulting in even higher stability and a much longer shelf life.

6. In the final step the filled gel syringes are sterilised in a steam autoclave.

7. Each individual syringe then undergoes another visual inspection to ensure that it is free from particles. Each *ZFill* batch is released only after the necessary production and safety tests have been conducted in accordance with the latest European standards.



The ZFill product line:  
optimum results with three different for-  
mulations





ZFill refresh<sup>2</sup> for natural regeneration and revitalisation of the skin.

Z  
fill



**Hyaluronate**

Concentration	18 mg / ml
Stabilizer	Glycerin
Sterility	sterile
pH	7,0
Dynamic viscosity	~ 150.000 mPa·s
Contents	1 ml
Needle	30G ½

refresh<sup>2</sup>

**ZFill refresh<sup>2</sup>**  
**for mesotherapy of the face, neck, neckline, backs of the hands and upper arms**

The gel is made of highly concentrated hyaluronic acid and glycerin, a natural moisturiser. This non-cross-linked, biologically effective hyaluronic acid, enriched with the additional ingredient, gives skin moisture a lasting boost. It restores the hyaluronic acid which the skin naturally loses with age. At the same time, glycerin traps water and hydrates the skin for a number of months. As a result, it becomes more toned and visible signs of aging are reduced.

**Properties:** A transparent gel that is sterile, viscoelastic, isotonic and biodegradable.

**Duration of effect:** Three treatments are recommended in the first 2 months and the effect lasts for 3 to 4 months after that.

**Treatment areas**

Face

Neck

Neckline

Backs of the hands

Upper arms

Z  
fill

contour<sup>2</sup>

Z Fill contour<sup>2</sup> keeps the face and lips naturally beautiful for months



**Cross-linked hyaluronic acid**

Concentration	23 mg / ml
Cross-linker	BDDE
Sterility	sterile
pH	7,0
Dynamic viscosity	~ 500.000 mPa·s
Contents	1 ml
Needle	27G ½

**Treatment areas**

- Brow lines
- Glabella lines
- Periorbital wrinkles
- Nasolabial lines
- Marionette lines
- Lip volume and lip contours

**Z Fill contour<sup>2</sup>  
for a youthful appearance and perfect lips**

The gel implants made from cross-linked hyaluronic acid smooth out superficial to moderate and less deep facial lines. They top up moisture deposits and rejuvenate the skin by providing long-lasting hydration. You can also use Z Fill contour<sup>2</sup> to emphasise the contour of the vermillion border or to enlarge the volume of red lip tissue, resulting in more harmonious and attractive lips.

**Properties:** sterile, isotonic and biodegradable, viscoelastic, completely transparent and colourless, homogenised and monophasic

**Duration of effect:** 6 – 9 months

# ZFill deep<sup>2</sup> gives new fullness and more volume

Z  
fill



## Highly cross-linked hyaluronic acid

HA concentration	23 mg / ml
Cross-linker	BDDE
Sterility	sterile
pH	7,0
Dynamic viscosity	~ 1.000.000 mPa·s
Contents	1 ml
Needle	27G ½

### ZFill deep<sup>2</sup> Gel implants for deep treatment

Highly cross-linked hyaluronic acid restores moisture and elasticity to tired skin. ZFill deep<sup>2</sup> is suitable for correcting moderate to deep lines, wrinkles and sunken areas of skin. It is also ideal for improving facial contours and increasing volume. Because of their outstanding viscoelastic properties, the gel implants can be injected through a thin needle with ease and accuracy. The cosmetic effect is immediate and lasts for up to a year.

**Properties:** monophasic, sterile, isotonic and biodegradable, viscoelastic, clear and homogenised

**Duration of effect:** 8 – 12 months

deep<sup>2</sup>

#### Treatment areas

Cheeks

Nasolabial lines

Marionette lines

Chin

Sunken areas of the face



# ZFill: For perfect contours.

Forehead lines (“worry lines”)

**Z Fill contour<sup>2</sup>, Z Fill refresh<sup>2</sup>**

Glabella lines (“frown lines”)

**Z Fill contour<sup>2</sup>, Z Fill refresh<sup>2</sup>**

Periorbital lines (“crow’s feet”)

**Z Fill contour<sup>2</sup>, Z Fill refresh<sup>2</sup>**

Sunken cheeks

**Z Fill deep<sup>2</sup>**

Nasolabial lines

**Z Fill contour<sup>2</sup>, Z Fill refresh<sup>2</sup>, Z Fill deep<sup>2</sup>**

Perioral lines (smoker’s or lipstick lines)

**Z Fill contour<sup>2</sup>, Z Fill refresh<sup>2</sup>**

Lips

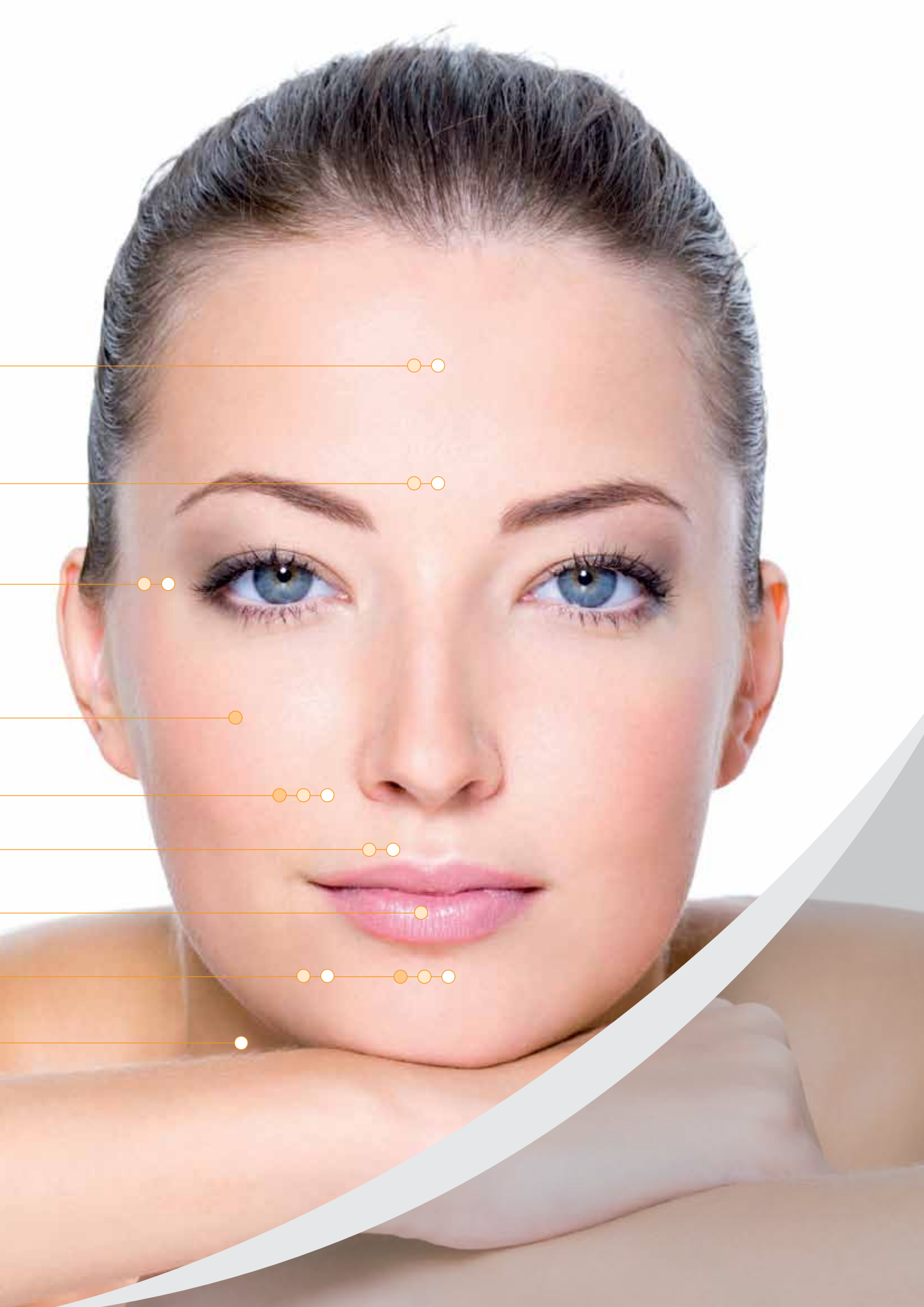
**Z Fill contour<sup>2</sup>**

Marionette lines, Periorbital rhytides

**Z Fill contour<sup>2</sup>, Z Fill refresh<sup>2</sup>, Z Fill deep<sup>2</sup>**

Neck, neckline, backs of the hands, upper arms

**Z Fill refresh<sup>2</sup>**





**Using the Cryo 6 Derma cold air device when administering fillers**

Cool the skin to around 10 – 15° C for a few seconds before giving the injection to produce an analgesic effect. Now inject Z Fill carefully but promptly into the dermis and massage the treated area to distribute the product evenly and to prevent side-effects.

Even without an anaesthetic, patients experience significantly less pain and tolerate the treatment much better. A brief period of post-cooling also prevents unsightly swelling and reddening. Your patients should exercise the mimetic musculature as little as possible for up to two hours. This helps the implant integrate into the surrounding cell cluster.

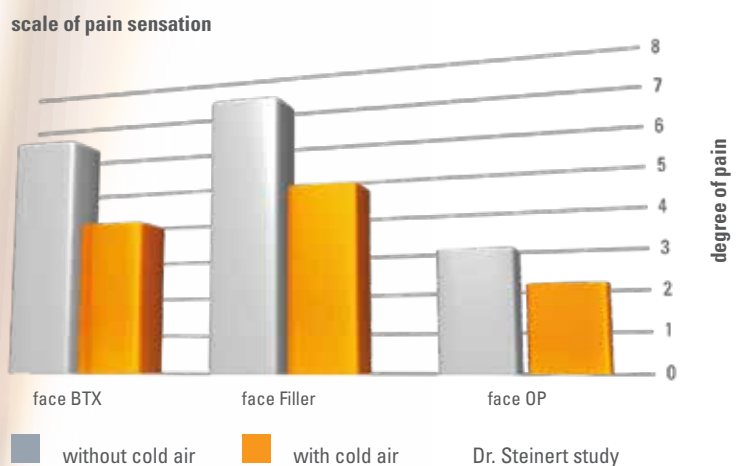
# Virtually painless procedures



## Benefits for the doctor and patients:

- Your patient does not have to undergo an anaesthesia
- You can start work immediately, without waiting for the anaesthetic effect
- There are no unwanted interactions between different substances injected

Diagram „reduced pain sensitivity“ BTX, fillers and surgery



Studies show that Cryo 6 Derma significantly reduces the pain associated with facial treatments



# The anti-aging system for skin at any age

Product	ZFill re-fresh <sup>2</sup> hyaluronic acid gel	ZFill contour <sup>2</sup> hyaluronic acid-gel-implant	ZFill deep <sup>2</sup> hyaluronic acid-gel-implant
Treatment Option	Mesotherapy, lasting hydration and revitalisation	Correction of superficial and deeper facial lines, lip contours and lip volume	Correction of deep lines and wrinkles, sunken areas of skin, facial contours and increased volume
Areas to be treated	Face, neck, neckline, backs of the hands, upper arms	Brow lines, glabella lines, periorbital wrinkles, nasolabial lines, periorbital rhytides, marionette lines, lip volume and lip contours	Cheeks, nasolabial lines, marionette lines, chin, sunken facial areas
Hyaluronic acid concentration	18 mg/ml	23 mg/ml	23 mg/ml
Stabilizer/crosslinker	Glycerin	BDDE	BDDE
Degree of cross-linking	-	+	++
Molecular weight	2,5 mio. daltons	2,5 mio. daltons	3 mio. daltons
Injection depth	Upper dermis	Middle dermis	Lower dermis
Duration of effect	3 – 4 months after 3 treatments in the first two months	6 – 9 months	8 – 12 months
Packaging	1 x 1 ml	1 x 1 ml	1 x 1 ml
Needle	2 x 30G ½	2 x 27G ½	2 x 27G ½

## Marketing materials



Zimmer  
MedizinSysteme GmbH  
Junkersstraße 9  
89231 Neu-Ulm  
Germany  
Tel. +49. 7 31. 97 61-291  
Fax +49. 7 31. 97 61-299  
export@zimmer.de  
www.zimmer-aesthetics.com

**Zimmer**  
AestheticDivision