

Soft contact lenses

appenzeller
kontaktlinsen®
passt.

Personnelle

Unifocale – Multifocale – Style de vie numérique



My contact lens. As unique
as my fingerprint.

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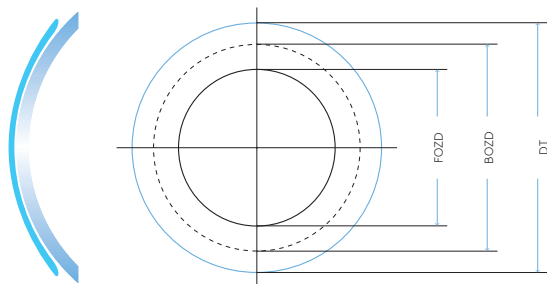
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Content

- 3 **Personnelle**
Individual soft contact lens
- 4 **Personnelle Smart**
Individual soft contact lens for digital lifestyle
- 5 **Personnelle Multi**
Individual multifocal soft contact lens
- 6 **Personnelle Progress-N**
Individual multifocal soft contact lens
- 7 **Personnelle Progress-F**
Individual multifocal soft contact lens
- 8 **Fitting recommendation**
Choosing the base curve for
individual soft contact lenses
- 9 **List of materials**
Soft contact lenses
- 10 **Comfort and safety**
Care regime recommendations
for individual soft contact lenses

PERSONNELLE

Individual soft contact lens



Personnelle

The Personnelle is available in toric-prismatic (TP) or toric-dynamic (TD) design.

Personnelle TP/TD

Back surface design	Toric
Base curve	7.5 to 9.3 mm in 0.05 mm steps
Spherical power range	± 30.0 D in 0.125 D steps
Cylinder	-0.5 D to -8.0 D in 0.125 D steps
Axis	0° to 180° in 1° steps
Diameter	12.0 to 15.0 mm in 0.1 mm steps

→ Materials

See list on page 9.

→ Fitting recommendations

See overview on page 8.

→ Exchange frequency

- 6 months
- 12 months

→ Front surface design

Spherical	
Prism ballast	Marker in 0° and 180°
Dynamic stabilisation	Marker in 0° and 180°

→ Back surface design

- Spherical or Toric
- Bi-curve, available in 3 different steps of peripheral flattening according to the corneo-scleral profile

Description	Design
1	low peripheral flattening
2	normal peripheral flattening (standard)
3	high peripheral flattening

→ Product range

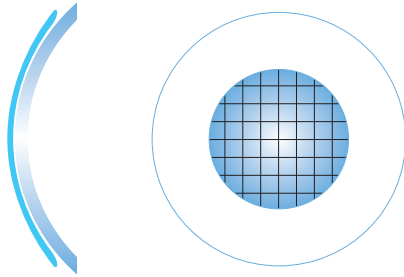
Personnelle	
Back surface design	Spherical
Base curve	7.5 to 9.3 mm in 0.05 mm steps
Spherical power range	± 30.0 D in 0.125 D steps
Diameter	12.0 to 15.5 mm in 0.1 mm steps



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PERSONNELLE *Smart*

Individual soft contact lens
for digital lifestyle



Personnelle Smart

→ Smartphone, Tablet, Computer: pure stress

Our visual behaviour is increasingly influenced by the use of digital media. We spend more and more time of our everyday life looking at the screens of smartphones, tablets, laptops or similar devices with shorter viewing distance. This causes a higher demand of accommodation and convergence. In addition, users of digital media are exposed to more short-waved, blue light.

Time period of use in hours

- Over 90% of the adult population use digital media more than two hours a day.
- Over 60% of the adult population use digital media more than five hours a day.

Fatigue and dryness: the figures

Studies by Indiana University show that more than 75% of digital media users report eye fatigue and dryness at least once a week and 35% of users at least once a day.

→ Personnelle Smart: for a relaxed vision

We have developed a new single vision soft contact lens that reduces the visual demand in the use of digital media and therefore helping to relax vision: Personnelle Smart.

How is that possible?

By combining multiple aspherical designs to the front surface, the contact lens will have an additional plus effect in strategic areas of the optic zone.

These positive plus areas are in line with the direction of sight while using digital media. Result: a more relaxed vision. The effect is based on a reduction of accommodation and convergence effort with simultaneous correction of the spherical aberration.

Which patients can benefit from the Personnelle Smart?

- all ametropic and emmetropic patients aged 20 to 45 years using digital media (smartphones, tablets, etc.) on a daily basis.
- all patients intensively using digital devices or multiple screens simultaneously.
- patients who do a lot of close work and care about their eye health and personal wellbeing.

→ Main advantages at a glance

- The back surface design corresponds to our previous Personnelle lens and its proven design
- Easing of accommodation and convergence when using digital media
 - Less eye fatigue
 - Less dry eyes while working at screens
 - The distance vision with Personnelle Smart is the same as with the single vision Personnelle lens.

→ Product range

Personnelle Smart

Back surface design	Spherical
Base curve	7.5 to 9.3 mm in 0.05 mm steps
Spherical Power range	±30.0 D in 0.25 D steps
Diameter	12.0 to 15.0 mm in 0.1 mm steps

Personnelle Smart is available in toric-prismatic (TP) or toric-dynamic (TD) design.

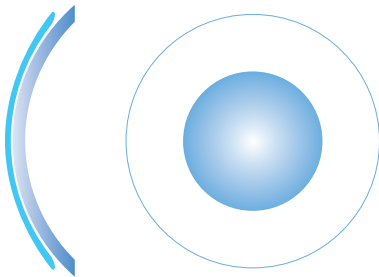
Personnelle Smart TP/TD

Back surface design	Toric
Base curve	7.5 to 9.3 mm in 0.05 mm steps
Spherical Power range	±30.0 D in 0.25 D steps
Cylinder	–0.5 D to –8.0 D in 0.25 D steps
Axis	0° to 180° in 1° steps
Diameter	12.0 to 15.0 mm in 0.1 mm steps

PERSONNELLE *Multi*

Individual multifocal
soft contact lens

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Personnelle Multi CD

nant eye. **CN** – centre near: Recommended for hyperopia, and myopia with a reading add from 1.75D. With the CN design, the size of the maximum reading add area can be changed.

→ Back surface design

- Spherical or Toric
- Bi-curve, available in three different steps of peripheral flattening according to the corneo-scleral profile

Description	Design
1	low peripheral flattening
2	normal peripheral flattening (standard)
3	high peripheral flattening

→ Product range

Personnelle Multi	
Back surface design	Spherical
Base curve	7.5 to 9.3 mm in 0.05 mm steps
Spherical power range	±30.0 to in 0.125 D steps
Diameter	12.0 to 15.5 mm in 0.1 mm steps
Reading addition	0.5 to 3.5 D in 0.25 D steps
Profile	CD (Centre Distance) / CN (Centre Near)
Bifo-factor CN Profile	standard 0.15 in 0.01 steps

Personnelle Multi is available in toric-prismatic (TP) or toric-dynamic (TD) design.

Personnelle Multi TP/TD	
Back surface design	Toric
Base curve	7.5 to 9.3 mm in 0.05 mm steps
Spherical power range	±30.0 D in 0.125 D steps
Cylinder	–0.5 to –8.0 D in 0.125 D steps
Axis	0° to 180° in 1° steps
Diameter	12.0 to 15.0 mm in 0.1 mm steps
Reading Addition	0.5 to 3.5 D in 0.25 D steps
Profile	CD (Centre Distance) / CN (Centre Near)
Bifo-factor CN Profile	standard 0.15 in 0.01 steps

Choosing the multifocal design

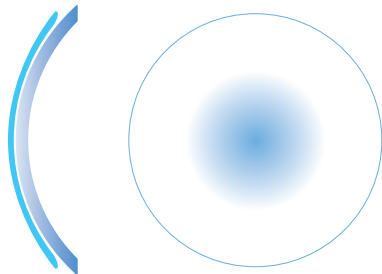
	Dominant eye		Non-dominant eye	
Myopia	CD		CN	
Hyperopia	CN		CN	
Myopia ≥ Add 1.75				

→ Materials

See list on page 9.

→ Fitting recommendations

See overview on page 8.



Personnelle Multi CN

→ Front surface design

The multifocal optics are positioned on the front surface and resemble an aspherical design. Due to its design, the functional principle is mainly independent from the centration to the pupil and the pupil diameter. Also, the multifocal effect is independent from head and eye movements, resulting in a high degree of spontaneous visual comfort for all distances.

Presbyopic patients of all ages

The central and peripheral zones vary with the amount of addition. The design itself takes into account that older patients require a higher reading add, and usually have a smaller pupil diameter and a smaller amplitude of accommodation compared to younger presbyopes.

Centre Distance (CD) or **Centre Near (CN)**

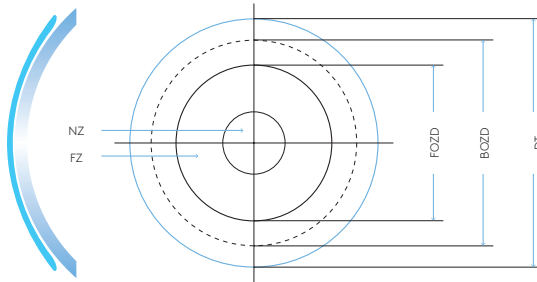
The multifocal design is available in 2 versions: **CD** – centre distance: recommended with myopia for the domi-



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PERSONNELLE *Progress-N*

Individual multifocal,
soft contact lens



Personnelle Progress-N:

→ Front surface design

- Multifocal, concentric design, near prescription centrally positioned
- The central zone consists of the near and intermediate correction at a ratio of 75% : 25%
- The zone ratio can be freely selected
- The near zone can be decentred

→ Front surface design

- Multifocal
- Centre near

→ Back surface design

- Spherical or Toric (Marker in 0° and 180°)
- Bi-curve, available in three different steps of peripheral flattening according to the corneo-scleral profile

Description	Design
1	low peripheral flattening
2	normal peripheral flattening (standard)
3	high peripheral flattening

→ Choosing the zone size

Pupil size in normal room light conditions (≥ 3.5 mm)

Dominant eye distance	Central zone = 2.4 mm
Non-dominant eye	Central zone = 2.6 mm

→ Product range

Personnelle Progress-N

Back surface design	Spherical
Base curve	7.0 to 9.3 mm in 0.05 mm steps
Spherical power range	± 30.0 D in 0.125 D steps
Diameter	12.0 to 15.5 in 0.1 mm steps
Reading addition	0.75 to 3.0 D in 0.25 D steps
Near zone diameter	without restriction in 0.1 mm steps

Personnelle Progress-N is available in toric-prismatic (TP) or toric-dynamic (TD) design.

Personnelle Progress-N TP/TD

Back surface design	Toric
Base curve	7.0 to 9.3 mm in 0.05 mm steps
Spherical power range	± 30.0 D in 0.125 D steps
Cylinder	-0.5 to -8.0 D in 0.125 D steps
Axis	0° to 180° in 1° steps
Diameter	12.0 to 15.0 mm in 0.1 mm steps
Reading addition	0.75 to 3.0 D in 0.25 D steps
Near zone diameter	without restriction in 0.1 mm steps

→ Materials

See list on page 9.

→ Fitting recommendations

See overview on page 8.

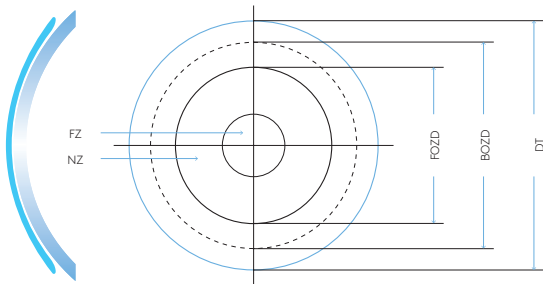
→ Exchange frequency

- 6 months
- 12 months

PERSONNELLE *Progress-F*

Individual multifocal
soft contact lens

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Personnelle Progress-F

→ Choosing the zone size

Pupil size in normal room light conditions (≥ 3.5 mm)

Dominant eye distance	Central zone = 3.6 mm
Non-dominant eye	Central zone = 3.4 mm

→ Product range

Personnelle Progress-F

Back surface design	Spherical
Base curve	7.0 to 9.3 mm in 0.05 mm steps
Spherical power range	± 30.0 D in 0.125 D steps
Diameter	12.0 to 15.5 in 0.1 mm steps
Reading addition	0.75 to 3.0 D in 0.25 D steps
Distance zone diameter without restriction in 0.1 mm steps	

Personnelle Progress-F is available in toric-prismatic (TP) or toric-dynamic (TD) design.

Personnelle Progress-F TP/TD

Back surface design	Toric
Base curve	7.0 to 9.3 mm in 0.05 mm steps
Spherical power range	± 30.0 D in 0.125 D steps
Cylinder	-0.5 to -8.0 D in 0.125 D steps
Axis	0° to 180° in 1° steps
Diameter	12.0 to 15.0 mm in 0.1 mm steps
Reading addition	0.75 to 3.0 D in 0.25 D steps
Distance zone diameter without restriction in 0.1 mm steps	

→ Front surface design

- Multifocal, concentric design, distance prescription centrally positioned
- The central zone consists of the distance and intermediate correction at a ratio of 75% : 25%
- The zone ratio can be freely selected
- The distance zone can be decentred

→ Front surface design

- Multifocal
- Centre distance

→ Back surface design

- Spherical or Toric (Marker in 0° and 180°)
- Bi-curve, available in three steps of peripheral flattening according to the corneo-scleral profile

Description	Design
1	low peripheral flattening
2	normal peripheral flattening (standard)
3	high peripheral flattening

→ Materials

See list on page 9.

→ Fitting recommendations

See overview on page 8.

→ Exchange frequency

- 6 months
- 12 months



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FITTING RECOMMENDATIONS

Individual soft contact lenses

Materials		Corneal radii mean value (r1 + r2)/2															
• Benz G • GM Advance • Contaflex • Definitive 65 • Unisil 50* • HEMA																	
Corneal radii mean value (r1 + r2)/2		7.20	7.30	7.40	7.50	7.60	7.70	7.80	7.90	8.00	8.10	8.20	8.30	8.40	8.50	8.60	AF
Cornea Ø (mm)	Small 11.0–11.4	7.70	7.80	7.90	8.00	8.10	x	x	x	x	x	x	x	x	x	x	AF 2
	Medium 11.5–12.1	7.70	7.80	7.90	8.00	8.10	8.20	8.30	8.40	8.50	8.50	8.60	8.70	x	x	x	AF 2
	Large >12.1	x	x	x	8.00	8.10	8.20	8.30	8.40	8.50	8.60	8.70	8.80	8.90	9.00	9.10	AF 1

*Unisil 50: Base curve 0.1 to 0.2 mm flatter than indicated in the table.

Materials		Corneal radii mean value (r1 + r2)/2															
• SH 74% • Igel 77%																	
Corneal radii mean value (r1 + r2) /2		7.20	7.30	7.40	7.50	7.60	7.70	7.80	7.90	8.00	8.10	8.20	8.30	8.40	8.50	8.60	AF
Cornea Ø (mm)	Small 11.0–11.4	7.70	7.80	7.90	8.00	8.10	x	x	x	x	x	x	x	x	x	x	AF1
	Medium 11.5–12.1	7.70	7.80	7.90	8.00	8.10	8.10	8.20	8.30	8.40	8.50	8.60	8.70	x	x	x	AF1
	Large >12.1	x	x	x	8.00	8.10	8.20	8.30	8.40	8.50	8.60	8.70	8.80	8.90	9.00	9.10	AF1

The diameter of the individual soft contact lens should be 2.5 mm larger than the horizontal visible iris diameter (HVID).

MATERIAL LIST

Soft contact lenses

	GM Advance 49	GM Advance 58	Contaflex 58	Contaflex 67	Contaflex 75	Contaflex GM3 58	Igel 77	Unisil 50	Definitive 65	SH74 Definitive	Benz G-3x	Benz G-4x	Benz G-5x	Benz G72 HW	Hiox 49	Hiox 54	Hema 38
Very good +++ Good ++ Sufficient +																	
Composition	HEMA/ GMA	HEMA/ GMA	MMA/ VP	MMA/ VP	MMA/ VP	HEMA/ GMA	MMA/ VP	Si/ VP	HEMA/ GMA	Si MVAC	HEMA/ GMA	HEMA/ GMA	HEMA/ GMA	HEMA/ GMA (MMA)	HEMA/ GMA	HEMA/ GMA	Poly- HEMA
Water content (%)	49	58	58	67	75	58	77	62	65	74	49	54	58	72	49	54	38
Dk-Value	16*	26*	21*	30*	43*	26*	45	50*	62*	60*	15*	20*	21*	42*			9
Modulus	0.36	0.16	0.75		0.35	0.27		0.8	0.75	0.35					0.44	0.34	
UV-filter	Yes	Yes	No	No	No		No	Yes	No	Yes	No	No	No	No	No	No	No
Handlingstint blue	Yes	Yes	No	No	No	No	No	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Non-ionic	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
Tearing resistance	+++	++	+++	+++	++	+++	+	++	++	+	+++	++	++	+	+++	++	+++
Spontaneous tolerability	++	+++	+	++	+++	+++	+++	+++	++	+++	++	++	+++	+++	++	++	+
Wettability	+++	+++	++	++	++	+++	++	++	++	++	+++	+++	++	+++	+++	+++	++
Dry eye	++	++	+	+	+	++	+	++	++	++	++	++	+++	+++	++	++	++
Resistance to tear film containing lipids	+++	++	++	+	+	++	+	++	+	+	+++	++	++	+	+++	++	+++

* ISO 9913-1, Unit $\times 10^{-11}$ (cm²/sec) [mLO₂/(ml x mmHg)]

Care products For all materials listed at Appenzeller Kontaktlinsen, all care products for soft contact lenses available on the market can be used. Appenzeller Kontaktlinsen AG recommend hydrogen peroxide systems combined with weekly protein removal for soft contact lenses. In case of poor wettability due to tear conditions, we recommend the additional use of an alcohol-based cleaner (Appenzeller Cleaner).

SH 74 - Care products Hydrogen peroxide systems cannot be used for contact lenses made in SH-74 material, as they cause parameter changes. Instead, we recommend the use of a multipurpose solution.



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COMFORT AND SAFETY

Our recommendation for the care regime of individual soft contact lenses:

Individual products or sets.

Compiled to your wishes.

Contact lenses are not just a product. Contact lenses are a process that begins with your consultation. And continues after a successful fitting. Because contact lenses need to be inserted and removed. And because they need to be cleaned and stored. That's why we don't just supply you with contact lenses made to order, but also with know-how made to order. This includes our Professional Service, which is there for you in word and action. It also includes care products and accessories that give your patients the greatest possible feeling of comfort, health and safety.

Clean and rinse, disinfect and store : This is the sequence. And accordingly, we offer you products that are precisely matched to each other in exactly the combination you want. Put together nicely as a set wrapped in thin transparent film, which can be removed without scissors.

Combination example:

- 1x Cleaner plus 1x Saline plus 1x Peroxid plus 1x Enzyme
- 1x Cleaner plus 1x Saline plus 1x All-in-One Soft

See also brochure Appenzeller Kontaktlinsen Comfort and safety

1. Cleaning Daily

Appenzeller Kontaktlinsen® Cleaner

Alcohol-based cleaner

For daily care of rigid gas-permeable contact lenses (also GP-plasma-coated) and soft contact lenses.

2. Rinsing Daily

Appenzeller Kontaktlinsen® Saline

Saline as inserting solution

For all types of contact lenses - except scleral lenses - and for rinsing of soft and rigid gas-permeable contact lenses. Both after cleaning the lens and before putting the lens on the eye.



3. Disinfection and storage Daily

Appenzeller Kontaktlinsen® Peroxyd

Disinfection and neutralisation in 1 hour

The disinfection and neutralisation can be carried out very simply, quickly and a 100% efficiently. Appenzeller Kontaktlinsen make it possible with this peroxide system. For conventional soft lenses, disposable lenses and rigid gas-permeable lenses (RGP)

Appenzeller Kontaktlinsen® All-in-One Soft

Disinfectant

For all those who do not opt for the peroxide system and its unusually rapid effect (see column on the left): All-in-One Soft – the multipurpose solution with sodium hyaluronate for longer effect, longer wearing time, longer feeling of comfort.

4. Protein removal Once a week

Appenzeller Kontaktlinsen® Enzyme

Intensive cleaning

Protein deposits build up on the lens every day. In addition to the daily neutralisation of the lenses, a weekly protein removal is needed when using the peroxide system.





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10 Reasons

Why to choose Appenzeller Kontaktlinsen

→ Fitting success

We do everything we can to understand your wishes and ideas. So that your fitting is a complete success – for you and your patients.

→ Technological advantage

We put a great deal of effort into Research & Development to ensure that our contact lenses always meet the latest technological possibilities.

→ Swiss made

We demand the highest standards of the manufacturing quality of our contact lenses, so that they match your equally high expectations of Swiss made.

→ Reproducibility

We help you keeping your patients satisfied by ensuring that you receive the same lens as before with your repeat order.

→ Open ears

Our Professional Services team advises you competently, personally and patiently. They will answer every question and make sure you get the right contact lens in any case.

→ Custom made

Each contact lens is individually made to order for you, so that it matches your specifications a 100%.

→ Right to exchange

We send out our contact lenses with or without the right to exchange, so you can make the best choice for your needs. The option "with right to exchange" gives you financial security: you can order a different lens later. If you do so within the exchange period, you pay only a small excess. The date on the delivery note is decisive for the deadline.

- Soft contact lenses:
 - *i*-SOFT 3-monthly lenses: 1 month
 - 6-monthly lenses: 2 months
 - 12-monthly lenses: 3 months
- Rigid gas-permeable lenses: 3 months

→ Price advantage

We offer you favourable terms of payment. You can get extra benefits if you pay in advance. We will happily let you know about the current conditions on request.

→ Guarantee scheme

We take responsibility for our work so you can rely on us and our contact lenses with guarantee. Guarantee period:

- *i*-SOFT 3-monthly lenses: 1 month
- 6-monthly lenses: 2 months
- 12-monthly lenses: 3 months

Broken lens: Return us the lens within the guarantee period and we will replace it. We will credit it on your next invoice accordingly. The date on the delivery note is decisive for the guarantee period.

→ Long-term vision

We strive for a lasting business relationship with you, so that you can also count on us in the long term.