

markennövy

**Fitting guide multifocal
and toric multifocal lenses**



**Pie International
Medical**



Our range of custom-made monthly multifocal and toric multifocal lenses

Inspire your eyes

markennovy

Blu:gen



- Silicone Hydrogel
- Class 1 UV and blue light filters
- Full range of Ø, RB and AD

% H ₂ O	75
Pack	3 & 6 lenses
Dk	60
Blue light filter	Yes
UV Class 1 Filter	Yes
Modulus (MPa)	0.25
CoF	0.09
Dehydration	< 0.50%
Manipulation tint	Yes
Ø (mm)	11.50 to 16.50(0.50)
RB (mm)	6.50 to 9.80(0.30)
SPH(D)	±30.00 (0.25)
CYL(D)	-0.75 to-8.00 (0.25)
AX (°)	All (1°)
AD (D)	0.50 to 4.00 (0.25) CD - CN

Saphir Rx



- Silicone Hydrogel
- Excellent combination of Dk and H₂O
- Our most popular lens

% H ₂ O	75
Pack	3 & 6 lenses
Dk	60
Blue light filter	-
UV Class 1 Filter	-
Modulus (MPa)	0.29
CoF	0.09
Dehydration	1%
Manipulation tint	-
Ø (mm)	13.00 a 16.00 (0.50)
RB (mm)	6.80 a 9.80 (0.30)
SPH(D)	±30.00 (0.25)
CYL(D)	-0.75 a -8.00 (0.25)
AX (°)	Todos (1°)
AD (D)	0.50 a 4.00 (0.50) CD - CN

Gentle 80



- High DK without silicone
- Excellent water retention
- Lowest modulus of elasticity on the market

% H ₂ O	80
Pack	3 & 6 lenses
Dk	60
Blue light filter	-
UV Class 1 Filter	Yes
Modulus (MPa)	0.13
CoF	0.05
Dehydration	< 0.50%
Manipulation tint	Yes
Ø (mm)	13.00 to 16.00(0.50)
RB (mm)	7.10 to 9.80(0.30)
SPH(D)	±30.00 (0.25)
CYL(D)	-0.75 to-8.00 (0.25)
AX (°)	All (1°)
AD (D)	0.50 to 4.00(0.50) CD - CN

Gentle 59



- Designed to blend with the cornea
- Low dehydration and low surface friction
- Easy manipulation

% H ₂ O	59
Pack	3 & 6 lenses
Dk	30
Blue light filter	-
UV Class 1 Filter	Yes
Modulus (MPa)	0.36
CoF	0.05
Dehydration	< 1%
Manipulation tint	Yes
Ø (mm)	13.00 to 16.00(0.50)
RB (mm)	7.10 to 9.80(0.30)
SPH(D)	±30.00 (0.25)
CYL(D)	-0.75 to-8.00 (0.25)
AX (°)	All (1°)
AD (D)	0.50 to 4.00(0.50) CD - CN



Biometric data collection

- Keratometry
- Refraction in glasses (updated)
- Dominant Eye
- IVHD

Fitting guide for multifocal and toric multifocal contact lenses

1 Lens calculation

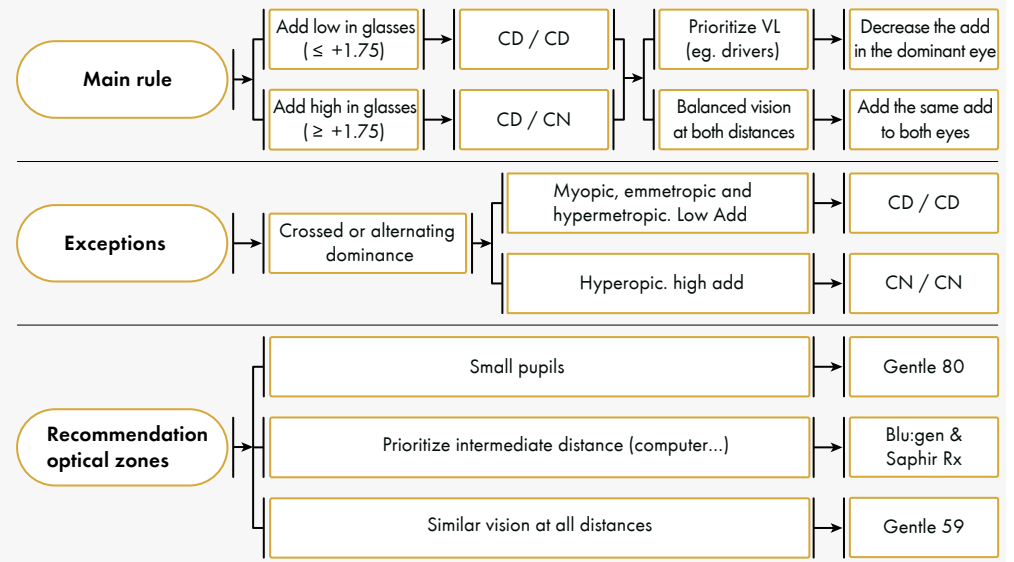
- Lens diameter (LØ): Add 2.5mm to DHIV
- Radio Base

LØ (mm)	1150-1200	1250	1300	1350	1400	1450	1500	1550	1600	1650
RB (mm)	650-800	650-860	650-890 680-890 710-890	680-920 710-920 740-920	710-950 740-950 770-950	740-980 770-980 800-980	770-980 800-980 830-980	800-980 830-980 860-980	830-980 860-980 890-980	860-980
Adaptation rule Km=(K1 + K2)/2	Km @0	Km @0	Km @0 Km @0 Km @0	Km @1 Km @1 Km @2	Km @3 Km @3 Km @4	Km @0.5 Km @0.5 Km @0.6	Km @0.7 Km @0.7 Km @0.8	Km @0.9 Km @0.9 Km @1.0	Km @1.1 Km @1.1 Km @1.2	Km @1.3

● Blu:gen ● Saphir Rx ● Gentle 80 ● Gentle 59

- Updated glasses refraction: Apply the vertex distance in both meridians

- Choose the design



2 Visual acuity assessment

If the patient is subjectively satisfied, check the VA binocularly. But to improve vision at any distance, it is recommended to check VA monocularly at both distances.

	Improve distance vision	Improve near vision
Sphere	1 Dominant eye -0.25 / -0.50	Dominant eye +0.25 / +0.50
	2 Both eyes -0.25 / -0.50	Both eyes +0.25 / +0.50
Addition	3 Dominant eye ↓ 0.25 / 0.50	Dominant eye ↑ 0.25 / 0.50
	4 Both eyes ↓ 0.25 / 0.50	Both eyes ↑ 0.25 / 0.50
Geometry	5 Dominant eye CD	Dominant eye CN
	6 Both eyes CD	Both eyes CN

3 Optical zones

More evident for additions $\ge +1.75$

