



GHAG OPHTHALMIC LENS DIVISION



Swic Coat



Ghag ophthalmic Lens Division is manufacturing value added product in plastic lens with state of art of technology.

We are growing up with your support and wanted to become partner in your success by giving you quality products.

Rx Lenses

<p>Single Vision</p> <p>CR 39 1.498 CR 39 1.498 Full open CR 39 1.498 Biconcave CR 39 1.498 Lenticular CR 39 1.498 Minus Lenticular CR 39 1.498 Omega Plastic 1.56 Aspheric Plastic 1.56 Biconcave</p>	<p>PhotoExpress</p> <p>SV Grey D'Bifocal Grey Progressive Grey</p>
<p>Bifocal</p> <p>CR 39 D' Bifocal Plastic D'1.56 CR 39 KT CR 39 Lenticular KT CR 39 Omega KT</p>	<p>Sunsensor</p> <p>SV Grey & Brown D' Bifocal Grey & Brown KT Grey & Brown Prog Vartek Grey & Brown Prog Vartek mini Grey & Brown</p>
<p>Progressive</p> <p>Image Unique UniqueMini Unique15 UniqueDeskpro Vertek Vertekmini Vertek 1.56 Vartek 1.56 mini Orphic</p>	<p>Transition</p> <p>SV Grey, Brown D'Bifocal Grey, Brown</p> <hr/> <p>Polarized</p> <p>SV Grey, Light Grey, Brown Progressive Grey</p>

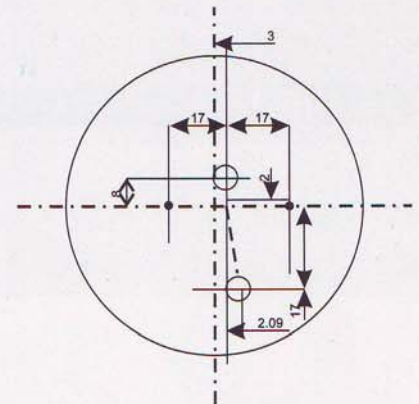
Progressive Lens regular Corridor uncoated 75mm

TECHNICAL DATA

- Fitting Cross : +2.0mm up form center
- Distance Circle : +8.0 mm up form center
- Near Area Circle : 17.0mm & 8° degree down the center & to the lens side
- Average Width in the Corridor : 7mm (in1.0 diopter scale)
- Width of Addition Area : 18mm (measured 20mm from center in 1.0 diopter scale)
- Maximum Astigmatism : No more then specific Add .(in the 50mm Circle)

PRESCRIPTION RANGE

Norminal Base Curvev	Radiious (RCX)	Recommended Diopter inBase	Cylinder
200	200.8	-7.50 to -3.25	0-3.00
400	126.4	-3.00 to -1.00	0-3.00
600	83.98	-0.75 to +2.25	0-3.00
800	62.80	+2.50 to +5.50	0-3.00

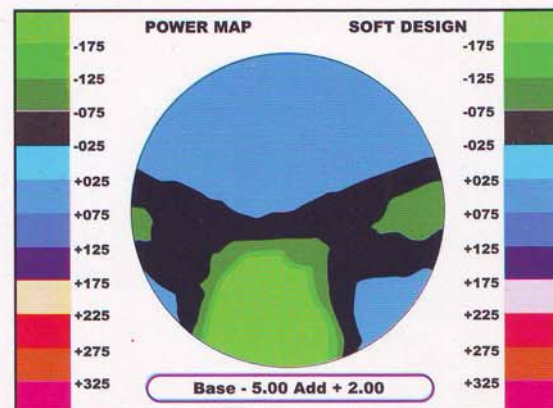
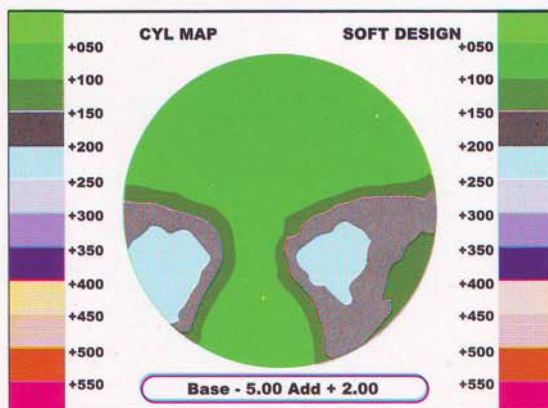


Availability:

Base : 200,400 600, 800

Addition : +1.00 to +3.50 in 0.25D

Dia Size : 75 mm



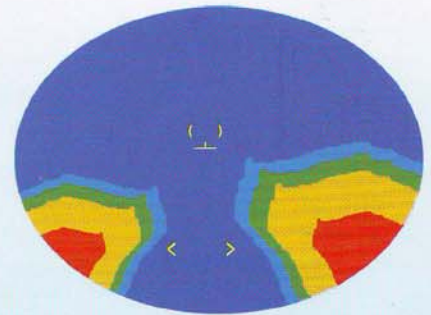
UNIQUE™15

Progressive for Fitting Height 15 mm

Feature

UNIQUE™15 designed for fashionable small frames. This progressive offers a wide & clear for zone, a friendly progressive zone and full reading zone.

UNIQUE™15



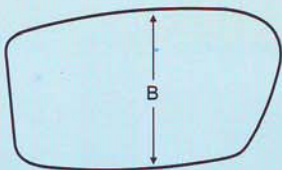
Availability

Bases : 2, 4, 5.5, 7.5
Addition : +075 to +3.00 in steps of 0.25D



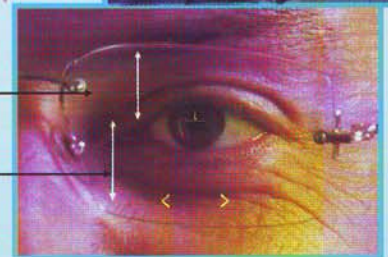
UNIQUE™15 Fitting Tips

1. (B measures 24 - 28mm)



7 mm above fitting height

15 mm minimum under fitting point



2. Fitting cross is at (+) 3mm
Normal Add is attained at (-) 13mm



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UNIQUETM mini

Unique solution for good progressive with good price

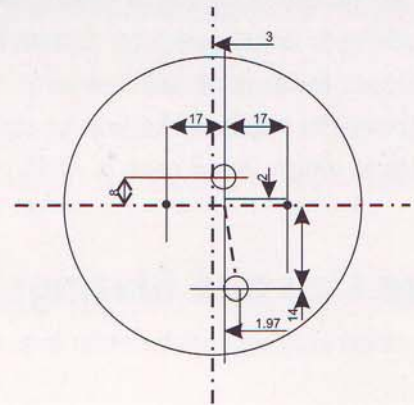
Progressive Lens short Corridor

Technical Data:

	In Diopter Terms	In mm
Width of Far Vision Zone (2mm above MRP)	0.5D	10.4mm
Width of Far Vision Zone (8mm above MRP)	1.0 D	Clear
Width of Far Vision Zone (8mm above MRP)	0.5 D	23.0mm
Width of Far Vision Zone (8mm above MRP)	1.0 D	Clear
Hight of Iso-AstingLine above 0-180 Line (17mm from MRP) temporal	0.5 D	6.8mm
Hight of Iso-AstingLine above 0-180 Line (17mm from MRP) temporal	0.5 D	5.5mm
Width of Reading Zone (14mm below MRP)	0.5 D	8.3mm
Width of Reading Zone (14mm below MRP)	1.0 D	14.0mm
Maximum Astigmatism		-2.5
Corridor Width	0.5 D	4.6mm
Corridor Width	1.0 D	8.7mm

CR39 Prescription Range:

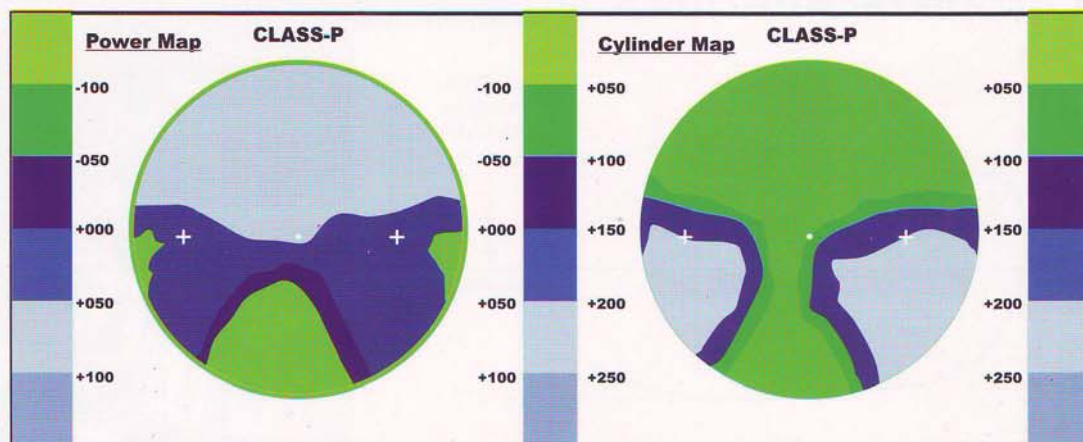
Normal Base Curve	Radiou (RCX)	Recommended Diopter inBase	Cylinder
200	200.8	-7.50 to -3.25	0-3.00
400	126.4	-3.00 to -1.00	0-3.00
600	83.98	-0.75 to +2.25	0-3.00
800	62.80	+2.50 to +5.50	0-3.00



Molds Availability:

Base Curves: 200,400 600, 800

Addition Power: +1.00 to +3.00 in 025D



Base 4.00 Add + 2.00



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UNIQUE™ Deskpro

Progressive for Intermediate & Reading

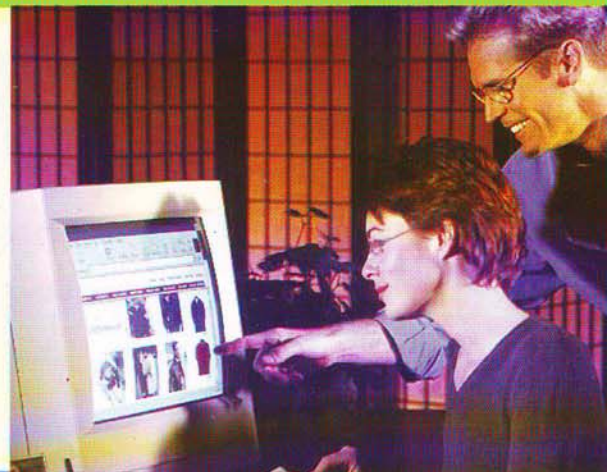
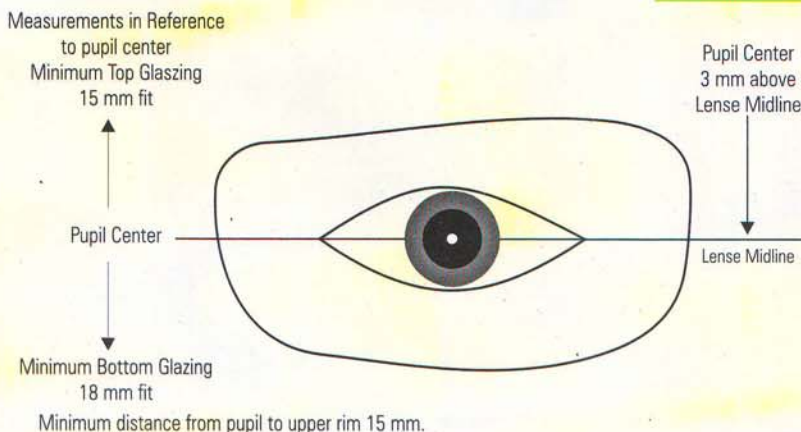
The purpose of Progressive Occupational Lenses is to provide improved vision at the reading intermediate range. These lenses should not be used for real distance applications such as driving or going to the theater. While in a regular type of progressive you refer to the "Distance" in the upper part of the lens and to the "Reading". In the bottom part, in an occupational lens you refer to the "Reading" in the bottom part and to the "Intermediate" in the upper part.

When specifying base curves of Progressive Occupational Lenses the reference is usually to the Reading part which in the case of the **UNIQUE Deskpro** it is the curve at the green circle printed on bottom part of lens. While reading, the customer is looking through the bottom part of the lens about 15mm below the Midline. When looking at his computer screen he will look through a higher point of lens and when addressing a person sitting across his desk he will look even higher up through the lens. The lens reaches its lowest power about 18mm above the midline. The lowest power the power at the Reading minus the DIOPTRIC RANGE of the occupational which in our case is -0.75 - 1.25 respectively

Frame size and Glazing:

Pupil position is 3mm above center line. Minimum distance from Pupil to lower rim 18mm.

FITTING RECOMMENDATIONS



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See the unseen

The Ultimate in Sunwear Protection

POLAR TECH

CR 39 polarized lenses



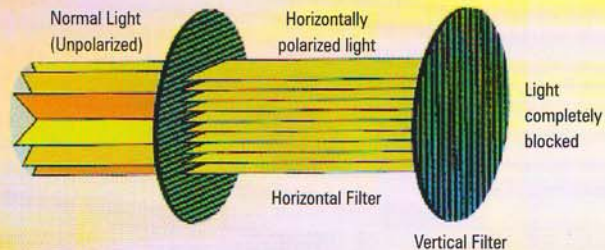
POLAR TECH

Eyes are the most important part of your body. It is the window to the world around us. It is the medium which exposes the beauty of nature around us. As much for the beauty around us. It is also exposed to harmful Ultra Violet (UV) radiation and glare which causes Various eye disorders such as cataracts, photokeratits, and corneal degeneration. To counter these harmful UV rays and glare we need sunglasses that eliminate glare and reduces UV light transmission. Thus the need for polarized Lenses.

Polarized light.. Ambient light or the light we see is comprised of light waves that vibrate in an infinite number of direction. Quite often however, these light waves are reflected off flat or shining surfaces These reflective surfaces concentrate the light.. causing vibrations of these light waves to travel in the same direction as opposed lo being scattered in random fashion. These unidirectional waves which are much more intense than normal light are known as "polarized light" or "glare".

Polarized lenses-the working principle... Light reflected from the surface like a flat road or a smooth water is generally horizontally polarized, resulting in a glare. This horizontally polarized light is blocked at certain angle, while allowing the light lo transmit through select angles. This process called polarization is achieved by shutting out 100% of undesired light and allowing, 100% of desired through. The result is a reduction in annoying and sometimes dangerous glare.

A polarizing filter at work



Much more than ordinary Sunglasses... Ordinary tinted sun lenses merely darken what we see and mask the real problem of glare. POLARTECH polarized lenses are designed lo conquer glare. Water, snow and even pavement create glare that not only blurs vision but also causes squinting, eye fatigue and even impaired acuity- POLARTECH polarized lenses contain a powerful filter that eliminates almost 100% of horizontal glare in standard colors and provides maximum UV protection, by allowing the right amount of light to enter the eyes to enhance peak visual acuity.

The need for polarized sunglasses.. contact lens users suffer heightened discomfort from glare. Glare which is 7 to 10 times brighter than normal light. result in squinting, tired eyes and headaches. Polarized lenses minimize or eliminate the effects of glare versus non polarized sunglasses hence reducing negative side effects. Polarized sunglasses are normally not as dark tinted as regular sunglasses. Regular sunglasses use dark lenses as a means lo reduce the effects of glare - the darkened lenses in regular sunglasses actually darkens the entire vision while polarized lenses allow more of the desired light to get through.

Benefits Of Polarized lenses Safer for eyes by reducing hard reflective glare. Protects against most harmful rays. Reduces eye strain for greater comfort. Does not alter natural colors. Enhances peak visual acuity

Polarized lenses for all... • Commuters • anglers • Car Drivers • Gardeners • Contact lens • Wearers • Hunters • Computer Users • Shooters • Boaters • Construction Workers • Water & Snow Skiers • Truck & Bus Drivers • Snow Mobilers Landscapers



With Polar Tech



Without Polar Tech



Swic Coat™

Swic Coat Lenses have been coated under maintained condition with deep had coat technology to produce high quality coating

Scratch resistance

Weatherability

Impact resistance

Chemical resistance

	Swic Coat	Remark
Usable Substrate	CR39	-
Refractive Index	1.52	-
Thickness	2~3 μm	Surfcorder
Aberration Resistant	2~4 % Haze	500cycles/500g
Scratch Resistant	Pass	Steel wool test
Pencil Hardness	8 H	load 200g (on flat lens)
Hot water Resistant	Pass	-
Adhesion	5B	Crosscut test



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RX - Lense Data

		Power Range	
CRSV	-	Total Power ± 1200	Max Cyl ± 7.00
		Max Dia	75 mm

CRSV Full open - +14.00

CRSV Lenticular - +20.00

CRSV Omega - +16.00

CRSV Minus Lenticular - -18.00

CRSV Biconcave - -18.00

Plastic 1.56 SV - Aspheric ± 10.00

This aspheric design significantly reduces edge distortion or aberration and provides sharpest retinal image. The design also enhances the lense profile, providing the wearer with a flatter, thinner and lighter lense.

Plastic 1.56 SV Biconcave - -18.00

CR39 D' - ± 10

Plastic 1.56D' - +4.00 to -10.00

CR 39 KT - ± 8

CR 39 Lenticular KT - + 15.00

Add availability +250, +300 and +350

CR39 Omega KT - +1600

Add availability +250, +300, +350 and +400



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PROGRESSIVE LENS DATA

Name of Progressive	Dia	Power	Min Fitting Height	Addition Availability
IMAGE	80	± 8	18	+100 to +300
UNIQUE	75	± 8	22	+100 to +350
UNIQUE mini	75	± 6	18	+100 to +300
UNIQUE 15	75	± 6	15	+075 to 300
UNIQUE deskpro	75	-200 to +400	18	+075 and +125
VARTEK	75	± 8	22	+075 to +350
VARTEK mini	75	± 8	18	+100 to +300
VARTEK1.56	75	+500 to -800	22	+100 to +300
VARTEK1.56 mini	75	+600 to -800	22	+100 to +300
ORPHIC	65	± 6	21	+100 to +300
PHOTOEXPRESS GREY	70	± 6	22	+100 to +300
VARTEK 1.56 SUNSENSOR GREY & BROWN	75	± 6	22	+100 to +350
VARTEK 1.56 SUNSENSOR mini GREY & BROWN	75	± 6	22	+100 to 3.00
POLORIZED PROGRESSIVE GREY	75	± 4	22	+100 to +300



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