



FREE-FORM – A NEW DAWN FOR

MINERAL OPHTHALMIC LENSES

Traditional & Free-form HD Production, Surfacing, Vacuum Coating & Glazing

Catalogue 2017



CROWN GLASS LENSES

1.523 INDEX

WHITE
PHOTOGREY / PHOTOBROWN
SOLID TINTS
GG15
B15
DIDYMIUM
POLARISED

BOOSTER
VERSATILE
IRS BIFOCALS
TRIFOCALS
MULTIFOCALS

WHITE	1.523 Index	58.8 Abbe	2.61g/cm ³ Density	328nm UV
PGX PBX	1.523 Index	56.4 Abbe	2.43g/cm ³ Density	338nm GR 345nm BR UV
GG15 B15	1.523 Index	49.7 Abbe	2.56g/cm ³ Density	

GS	60mm & 65mm	 + PLUS 6.00 3.00 60 OPPOSITE CYLS TO 1.00	 + PLUS 4.00 65 MINUS - 6.00 OPPOSITE CYLS TO 2.00	Plano to 6.00		
GS	70mm	 + PLUS 4.00 70 MINUS - 4.00 OPPOSITE CYLS TO 2.00		Plano to 4.00		
GS PE/BP	PHOTGREY OR PHOTOBROWN 86% - 22% LT	 + PLUS 4.00 65 MINUS - 6.00 OPPOSITE CYLS TO 2.00		Plano to 4.00		
GS PE/BP	PHOTGREY OR PHOTOBROWN 86% - 22% LT	 + PLUS 4.00 70 MINUS - 4.00 OPPOSITE CYLS TO 2.00		Plano to 4.00		
GS	65mm Reducing to 55mm	 + PLUS 9.00 65 MINUS - 12.00 LENS FORM AVAILABLE FLAT		Plano to 12.00		
GS	70mm	 + PLUS 7.00 70 MINUS - 10.00 LENS FORM AVAILABLE FLAT		Plano to 10.00		
GS	75mm	 + PLUS 6.00 75 MINUS - 6.00		Plano to 6.00		
GS	80mm	 + PLUS 4.00 80 MINUS - 6.00 LENS FORM AVAILABLE FLAT		Plano to 6.00		
GN50	NORTOR-SV HD ATORAL (10)	 + PLUS 8.00 6.00 70 MINUS - 10.00 ISA 65 LENS FORM AVAILABLE FLAT				
GL30	CUSTOM APERTURE LENTIC (10)	 + PLUS 8.00 65 MINUS - 23.00 Convex Myoplet Please state bowl size and style of flattening		8.00 to 23.00		

Flat Base Curve see [LENS FORM](#) supplementary page 21.

ALL PRICES ARE £ PER LENS AND INCLUDE OPPOSITE CYLS TO 6.00DC UNLESS STATED

LENS CODE

POWER/COATING

UNCUT
GBE

GLAZED
GBE

WLS5	SUPER LENTI (BLENDED LENTIC)				
WLS5 PE/BP	SUPER LENTI PGX or PBX (BLENDED LENTIC)				
GS PE/BP	PHOTGREY OR PHOTOBROWN 86% - 22% LT			Plano to 10.00	
GN50 PE/BP	NORTOR-SV HD ATORAL PHOTGREY OR PHOTOBROWN				
GS PE	PHOTGREY 86% - 22% LT			Plano to 6.00	
GN50 PE	NORTOR-SV HD ATORAL PHOTGREY				
RAY GG15	GREEN GREY SOLID TINT 15% LT			Plano Finished 0.25 to 8.00	
GS B15	BROWN SOLID TINT 15% LT			Plano Finished 0.25 to 4.00	
GFC DD	DIDYMIUM			Plano to 4.00	
GP50	POLARISED GREY 9% BROWN 12% LT			0.25 to 7.00	

GD28	FLAT TOP D28		Plano to 6.00		
GD28	FLAT TOP D28		Plano to 6.00		
GD35	FLAT TOP D35mm		Plano to 6.00		
CT28	CURVE TOP C28mm		Plano to 6.00		
CV78	FLAT TOP D728 TRIFOCAL		Plano to 6.00		

GLASS BIFOCAL PHOTOCROMICS




GD28 PE/BP	FLAT TOP D28mm PGX or PBX 86% - 22% LT		Plano to 6.00		
GD28 PE/BP	FLAT TOP D28mm PGX or PBX 86% - 22% LT		Plano to 6.00		
GD35 PE	FLAT TOP D35mm PGX 86% - 22% LT		Plano to 6.00		

LENS CODE











POWER/COATING

UNCUT
GBE

GLAZED
GBE

CT28 PE/BP	CURVE TOP C28mm PGX or PBX 86% - 22% LT	 <p>Grey Brown</p> <p>+ PLUS 5.75 65 MINUS - 7.00</p> <p>Adds 0.75 to 3.50 in 0.25 steps</p>	Plano to 5.75 6.00 to 7.00		
CT28 PE/BP	CURVE TOP C28mm PGX or PBX 86% - 22% LT	 <p>Grey Brown</p> <p>+ PLUS 5.00 71 MINUS - 5.00</p> <p>Adds 0.75 to 3.50 in 0.25 steps</p>	Plano to 5.00		
CV78 PE/BP	FLAT TOP D728 TRIFOCAL PGX or PBX 86% - 22% LT 10	 <p>7mm Inter Grey Brown</p> <p>+ PLUS 6.00 70 MINUS - 6.00</p> <p>Adds 1.00 to 3.00 in 0.25 steps</p>	Plano to 6.00		
All the above are available in ATORAL HD design			Add		

GLASS WHITE & PHOTOCROMIC FREE-FORM PROGRESSIVES

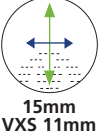

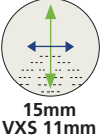

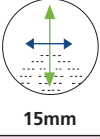

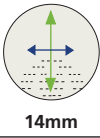

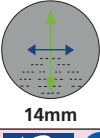

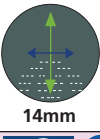

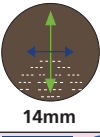

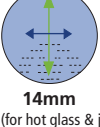

BG52 T/N/A new	Booster HD	 <p>16mm</p> <p>Order as standard DISTANCE SV with Booster Code BOOSTER "A" = +037 BOOSTER "B" = +062 BOOSTER "C" = +087</p> <p>+ PLUS 8.00 70 MINUS - 8.00</p> <p>Booster reading zone</p>			
OG52 T/N/A new	VERSATILE OFFICE HD	 <p>16mm</p> <p>Order by reading Rx Distance PDs</p> <p>+ PLUS 8.00 70 MINUS - 8.00</p> <p>DEGRESSIONS -0.50, -0.75, -1.00, -1.25, -1.50, -1.75, -2.00, -2.25, -2.50 DS</p>			
OG52 PE/BP new	VERSATILE OFFICE HD PHOTOGREY OR PHOTOBROWN	 <p>16mm</p> <p>Grey Brown</p> <p>Order by reading Rx Distance PDs</p> <p>+ PLUS 8.00 70 MINUS - 8.00</p> <p>DEGRESSIONS -0.50, -0.75, -1.00, -1.25, -1.50, -1.75, -2.00, -2.25, -2.50 DS</p>			
FG52 T/N/A new	HD IRS 28mm/40mm BIFOCAL	 <p>ISB</p> <p>+ PLUS 8.00 70 MINUS - 10.00</p> <p>Adds 0.75 to 3.00 in 0.25 steps</p>			
FG52 PE/BP new	HD IRS 28mm/40mm BIFOCAL PHOTOGREY OR PHOTOBROWN	 <p>Grey ISB Brown</p> <p>+ PLUS 6.00 70 MINUS - 6.00</p> <p>Adds 0.75 to 3.00 in 0.25 steps</p>			

LENS CODE

POWER/COATING

UNCUT
GBE

GLAZED
GBE

VG52	VECTOR & VECTOR EXTRA SHORT HD		new	<p>15mm VXS 11mm</p> <p>AUTOSELECT</p>	<p>ISP</p>	<p>+ PLUS</p> <p>6.00</p> <p>70 = 75</p> <p>MINUS -</p> <p>8.00</p> <p>Adds 0.75 to 3.50 in 0.25 steps</p>			
VG52	VECTOR & VECTOR EXTRA SHORT HD PGX / PBX PHOTOCROMIC		new	<p>15mm VXS 11mm</p> <p>AUTOSELECT</p>	<p>Grey</p> <p>ISP</p> <p>Brown</p>	<p>+ PLUS</p> <p>5.00</p> <p>70 = 75</p> <p>MINUS -</p> <p>8.00</p> <p>Adds 0.75 to 3.50 in 0.25 steps</p>			
NG52	ULTOR HD		new	<p>15mm</p> <p>AUTOSELECT</p>	ISP	<p>+ PLUS</p> <p>5.00</p> <p>70 = 75</p> <p>MINUS -</p> <p>8.00</p> <p>Adds 0.75 to 3.50 in 0.25 steps</p> <p>Available designs - General/Outdoor/Desk</p>			
NG52	ULTOR HD PHOTOGREY OR PHOTOBROWN		new	<p>14mm</p> <p>AUTOSELECT</p>	<p>Grey</p> <p>ISP</p> <p>Brown</p>	<p>+ PLUS</p> <p>5.00</p> <p>70 = 75</p> <p>MINUS -</p> <p>8.00</p> <p>Adds 0.75 to 4.50 in 0.25 steps</p> <p>Available designs - General/Outdoor</p>			(10)
NGPD	ULTOR HD POLARISED GREY 9% BROWN 12% LT		new	<p>14mm</p> <p>AUTOSELECT</p>	<p>Grey</p> <p>ISP</p> <p>Brown</p>	<p>+ PLUS</p> <p>7.00</p> <p>70 = 75</p> <p>MINUS -</p> <p>6.00</p> <p>Adds 0.75 to 4.50 in 0.25 steps</p> <p>Available designs - General/Outdoor</p>		0.25 to 7.00	
SNRY	ULTOR HD GREEN GREY SOLID TINT 15% LT			<p>14mm</p> <p>AUTOSELECT</p>	ISP	<p>+ PLUS</p> <p>5.00</p> <p>70 = 75</p> <p>MINUS -</p> <p>8.00</p> <p>Adds 0.75 to 4.50 in 0.25 steps</p> <p>Available designs - General/Outdoor</p>			(10)
SNGS	ULTOR HD BROWN SOLID TINT 15% LT			<p>14mm</p> <p>AUTOSELECT</p>	ISP	<p>+ PLUS</p> <p>4.00</p> <p>70 = 75</p> <p>MINUS -</p> <p>6.00</p> <p>Adds 0.75 to 4.50 in 0.25 steps</p> <p>Available designs - General/Outdoor</p>			(10)
GSDD	ULTOR HD DIDYMIUM		new	<p>14mm</p> <p>AUTOSELECT</p> <p>(for hot glass & jewellery working)</p>	ISP	<p>+ PLUS</p> <p>4.00</p> <p>65 = 70</p> <p>MINUS -</p> <p>4.00</p> <p>Adds 0.75 to 4.50 in 0.25 steps</p> <p>Available designs - General/Outdoor</p>			

AUTOSELECT - SHORT AND LONG CORRIDOR AVAILABILITY COMPUTER SELECTION DETERMINED BY FITTING HEIGHT SPECIFIED

↔ Variable inset - 0 to 5.00mm in 0.50mm steps. Please specify at time of ordering.

MINERAL LENSES

1.60 INDEX

WHITE
PHOTOGREY / PHOTOBROWN
SOLID TINTS
GG15
POLARISED

BOOSTER
VERSATILE
IRS BIFOCALS
MULTIFOCALS

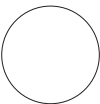

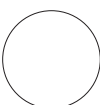

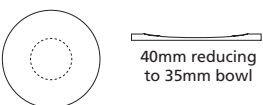




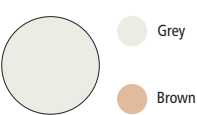
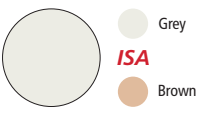

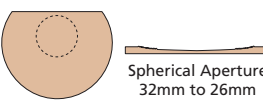

WHITE	1.60 Index	41 Abbe	2.63g/cm ³ Density	325nm UV
PBX PGX	1.60 1.60 Index	42 42 Abbe	2.70g/cm ³ 2.80g/cm ³ Density	342nm UV

LENS CODE

POWER/COATING

UNCUT
GBE

GLAZED
GBE

GS16	SINGLE VISION		+ PLUS 10.00	65	70	MINUS - 12.00			
GN60	NORTOR-SV HD ATORAL	 <i>ISA</i>	+ PLUS 8.00	70	70	MINUS - 10.00			
WSL6	SUPER LENTI (BLENDED LENTIC)	 40mm reducing to 35mm bowl		70	70	MINUS - 12.00 18.00			
GCFG GN	GREEN GREY SOLID TINT 15%LTF UV400 Material		+ PLUS 4.00	70	70	MINUS - 4.00		Plano to 4.00	
GN60 GN	NORTOR-SV HD ATORAL GREEN GREY SOLID TINT 15% LT	 <i>ISA</i>	+ PLUS 4.00	70 = 75	70	MINUS - 4.00			
P16G P16B	PGX OR PBX PHOTOCROMIC		+ PLUS 8.00 7.00	70	70	MINUS - 7.00 8.00		Plano to 8.00	
GN60 PE/BP	NORTOR-SV HD ATORAL PGX OR PBX PHOTOCROMIC	 <i>ISA</i>	+ PLUS 7.00	70 = 75	70	MINUS - 8.00			
WSL BP	PHOTOBROWN SUPER LENTI (BLENDED LENTIC) PHOTOCROMIC	 Spherical Aperture 32mm to 26mm		70	70	MINUS - 10.00 20.00			

PGX 88% - 32% LT PBX 84% - 27% LT

LENS CODE

POWER/COATING

UNCUT
GBE

GLAZED
GBE

GCT6	C28	10			
		Plano to 9.00			
			For adds 3.25 and over add £		per lens extra

GLASS WHITE & PHOTOCROMIC FREE-FORM BIFOCAL & DEGRESSIVES

BG60	Booster HD				
T N/A					
new					
BG60	Booster HD PHOTOGREY OR PHOTOBROWN				
PE/BP					
T N/A					
new					
OG60	VERSATILE OFFICE HD				
T N/A					
new					
OG60	VERSATILE OFFICE HD PHOTOGREY OR PHOTOBROWN				
PE/BP					
T N/A					
new					
FG60	HD IRS 28mm/40mm BIFOCAL				
T N/A					
new					
FG60	HD IRS 28mm/40mm BIFOCAL PHOTOGREY OR PHOTOBROWN				
PE/BP					
T N/A					
new					


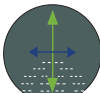
PGX 88% - 32% LT PBX 84% - 27% LT

LENS CODE

POWER/COATING

UNCUT
GBE

GLAZED
GBE

VG60	VECTOR & VECTOR EXTRA SHORT HD					
	 15mm VXS 11mm AUTOSELECT	+ PLUS 8.00	70 = 75	MINUS - 10.00		
		Adds 0.75 to 4.50 in 0.25 steps				
GS60	ULTOR HD			(10)		
	 14mm AUTOSELECT	+ PLUS 8.00	70 = 75	MINUS - 10.00		
		Adds 0.75 to 4.50 in 0.25 steps Available designs - General/Outdoor/Desk				
SG60	HAWK HD					
	 14mm AUTOSELECT	+ PLUS 8.00	70 = 75	MINUS - 10.00		
		Adds 0.75 to 3.00 in 0.25 steps				
YG60	PRODRIVE HD					
	 14mm AUTOSELECT	+ PLUS 6.00	70 = 75	MINUS - 8.00		
		Adds 0.75 to 3.00 in 0.25 steps				
VG60	VECTOR & VECTOR EXTRA SHORT HD PGX / PBX PHOTOCROMIC					
PE/BP	 15mm VXS 11mm AUTOSELECT Grey Brown	+ PLUS 6.00	70 = 75	MINUS - 10.00		
		Adds 0.75 to 3.50 in 0.25 steps				
GS60	ULTOR HD PGX/PBX PHOTOCROMIC			(10)		
PE/BP	 14mm AUTOSELECT Grey Brown	+ PLUS 6.00	70 = 75	MINUS - 10.00		
		Adds 0.75 to 4.50 in 0.25 steps Available designs - General Only				
SG60	HAWK HD PGX/PBX PHOTOCROMIC					
PE/BP	 14mm AUTOSELECT Grey Brown	+ PLUS 6.00	70 = 75	MINUS - 10.00		
		Adds 0.75 to 3.00 in 0.25 steps				
YG60	PRODRIVE HD PGX/PBX PHOTOCROMIC					
PE/BP	 14mm AUTOSELECT Grey Brown	+ PLUS 6.00	70 = 75	MINUS - 8.00		
		Adds 0.75 to 3.00 in 0.25 steps				
YG60	PRODRIVE HD GREEN GREY SOLID TINT 15% LT			(10)		
GN	 14mm AUTOSELECT	+ PLUS 4.00	70 = 75	MINUS - 4.00		
		Adds 0.75 to 3.00 in 0.25 steps				

PGX 88% - 32% LT PBX 84% - 27% LT

AUTOSELECT - SHORT AND LONG CORRIDOR AVAILABILITY COMPUTER SELECTION DETERMINED BY FITTING HEIGHT SPECIFIED

↔ Variable inset - 0 to 5.00mm in 0.50mm steps. Please specify at time of ordering.

MINERAL LENSES

1.70 INDEX

1.76 INDEX

WHITE
PHOTOGREY - BONDED EQUITINT
PHOTOBROWN - BONDED EQUITINT
X RAY GLASS (n=1.76)

BOOSTER
VERSATILE
IRS BIFOCALS
MULTIFOCALS

1.76
Index

30
Abbe

4.80g/cm³
Density

1.70
Index

35.8
Abbe

3.15g/cm³
Density

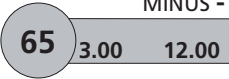


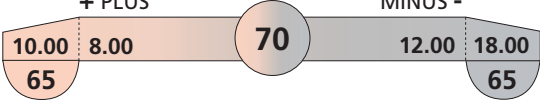

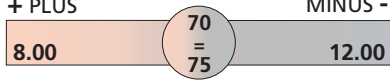

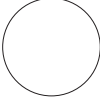
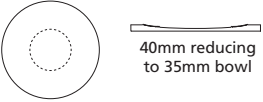

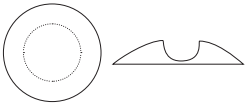

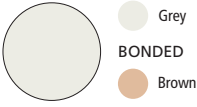

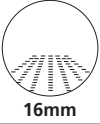

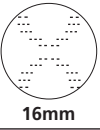

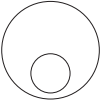

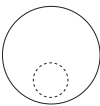

330nm
UV

LENS CODE

POWER/COATING

UNCUT
GBE

GLAZED
GBE

HIST	HIGHLITE		MINUS - 3.00 12.00			
T N/A		OPPOSITE CYLS TO 2.00				
HISV	HIGHLITE		+ PLUS 10.00 8.00 70 12.00 18.00 65	MINUS - 12.00 18.00		Plano to 12.00 12.25 to 18.00
		LENS FORM AVAILABLE FLAT				
HN70	HIGHLITE NORTOR-SV HD		+ PLUS 8.00 70 12.00 75	MINUS - 12.00		
		ISA				
WSL7	SUPER LENTI (BLENDED LENTIC)		40mm reducing to 35mm bowl	MINUS - 70 10.00 23.00		
HL30	70mm LENTIC (MINUS)		MINUS - 70 15.00 33.50			15.00 to 25.00 25.25 to 33.50
		Any reasonable aperture size - please state				
EQ70 PE/BP	EQUITINT THIN + PGX/PBX PHOTOCROMIC		Grey BONDED Brown	MINUS - 65 10.00 18.00		
BG70	Booster HD		16mm	+ PLUS 8.00 70 10.00	MINUS - 10.00	
T N/A		Order as standard DISTANCE SV with Booster Code BOOSTER "A" = +037 BOOSTER "B" = +062 BOOSTER "C" = +087		Booster reading zone		
OG70	VERSATILE OFFICE HD		16mm	+ PLUS 8.00 70 10.00	MINUS - 10.00	
T N/A		Order by reading Rx Distance PDs		DEPRESSIONS -0.50, -0.75, -1.00, -1.25, -1.50, -1.75, -2.00, -2.25, -2.50 DS		
GR70	SOLID ROUND 30mm		Plano Bonded Segment	+ PLUS 10.00 60 6.00 18.00	MINUS - 6.00 18.00	
		Adds 1.50 to 3.00 in 0.25 steps and 3.50				
HR28	HIGHLITE IRS HD 28/40mm BIFOCAL		28/40mm	+ PLUS 6.00 70 12.00 75	MINUS - 12.00	
		ISB		Adds 0.75 to 4.00 in 0.25 steps		

MINERAL LENSES

1.80 INDEX

WHITE
PHOTOGREY - BONDED EQUITINT
PHOTOBROWN - BONDED EQUITINT

BOOSTER
MULTIFOCALS

1.80
Index

34.4
Abbe

3.65g/cm³
Density

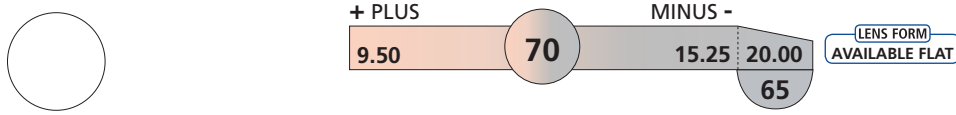

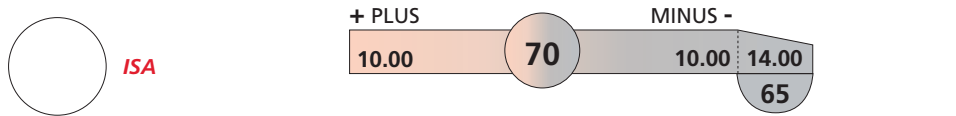



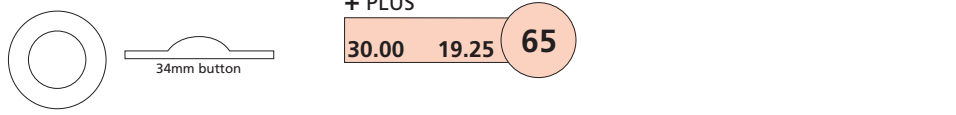



327nm
UV

LENS CODE

POWER/COATING

UNCUT
GBE

GLAZED
GBE

ZE35	<p>ZENLITE</p> 	 <p>Plano to 15.00 15.25 to 20.00</p>		
ZN80	<p>ZENLITE NORTOR-SV HD</p> 			
WSL8	<p>SUPER LENTI (BLENDED LENTIC)</p> 			
HSL8	<p>SOLID LENTIC</p> 			
EQ80 PE/BP	<p>EQUITINT THIN + PGX/PBX PHOTOCROMIC</p> 			

AUTOSELECT - SHORT AND LONG CORRIDOR AVAILABILITY COMPUTER SELECTION DETERMINED BY FITTING HEIGHT SPECIFIED

↔ Variable inset - 0 to 5.00mm in 0.50mm steps. Please specify at time of ordering.

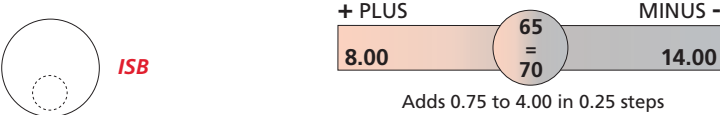





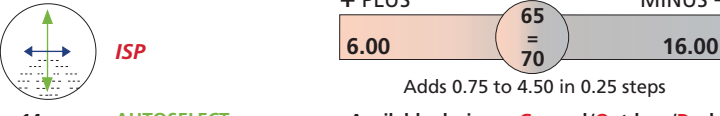



Flat Base Curve see [LENS FORM](#) supplementary page 141.

LENS CODE

POWER/COATING

UNCUT
GBE

GLAZED
GBE

<p>ZR28</p>	<p>ZENLITE IRS HD 28/40mm BIFOCAL</p>  <p>8.00 65 = 70 14.00</p> <p>Adds 0.75 to 4.00 in 0.25 steps</p>		
<p>GR80</p>	<p>SOLID ROUND 30mm</p>  <p>8.00 60 = 70 20.00</p> <p>Adds 1.50 to 3.00 in 0.25 steps and 3.50</p>		
<p>VG80</p>	<p>VECTOR & VECTOR EXTRA SHORT HD</p>  <p>6.00 65 = 75 20.00</p> <p>Adds 0.75 to 3.50 in 0.25 steps</p>		<p>Max prism 3Δ</p>
<p>GS80</p>	<p>ULTOR HD</p>  <p>6.00 65 = 70 16.00</p> <p>Adds 0.75 to 4.50 in 0.25 steps</p> <p>Available designs - General/Outdoor/Desk</p>		
<p>SG80</p>	<p>HAWK HD</p>  <p>6.00 70 = 75 16.00</p> <p>Adds 1.00 to 3.00 in 0.25 steps</p>		

AUTOSELECT - SHORT AND LONG CORRIDOR AVAILABILITY COMPUTER SELECTION DETERMINED BY FITTING HEIGHT SPECIFIED
 ↔ Variable inset - 0 to 5.00mm in 0.50mm steps. Please specify at time of ordering.

MINERAL LENSES

1.90 INDEX

WHITE
PHOTOGREY - BONDED EQUITINT
PHOTOBROWN - BONDED EQUITINT

BOOSTER
MULTIFOCALS

1.89

Index

30.4

Abbe

3.99g/cm³

Density

335nm



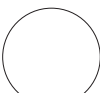

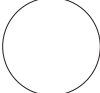

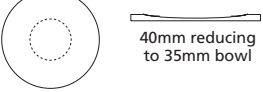







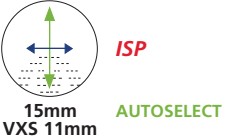



UV

LENS CODE

POWER/COATING

UNCUT
GBE

GLAZED
GBE

HS19	MINILITE		MINUS - 65 6.00 12.00	3			
T N/A			OPPOSITE CYLS TO 2.00				
HI19	MINILITE Reducing to 55mm		MINUS - 70 4.00 25.00			6.00 to 15.00 15.25 to 25.00	
			LENS FORM AVAILABLE FLAT				
GN90	MINILITE NORTOR-SV HD ATORAL		MINUS - 70 6.00 10.00 15.00 65			6.00 to 10.00 10.25 to 15.00	
new							
WSL9	SUPER LENTI (BLENDED LENTIC)		MINUS - 70 20.00 30.00				
EQ90	EQUITINT THIN + PGX/PBX PHOTOCROMIC		MINUS - 65 10.00 20.00 26.00 60	10			
PE/BP							
GR90	SOLID ROUND 30mm		MINUS - 65 10.00 25.00	20			
			Adds 1.50 to 3.00 in 0.25 steps and 3.50				
FG90	IRS HD 28/40mm BIFOCAL		MINUS - 70 10.00 15.00	10			
new			Adds 0.75 to 3.50 in 0.25 steps				
VG90	VECTOR & VECTOR EXTRA SHORT HD		MINUS - 70 10.00 15.00				
new			Adds 0.75 to 3.50 in 0.25 steps				
GS90	ULTOR HD		MINUS - 70 10.00 15.00				
new			Adds 0.75 to 4.50 in 0.25 steps Available designs - General/Outdoor/Desk				

Flat Base Curve see (LENS FORM) supplementary page 21.

ALL PRICES ARE £ PER LENS AND INCLUDE OPPOSITE CYLS TO 6.00DC UNLESS STATED

✓ MARE

Order Code	Index	Price per lens
MARE	ALL	

Emerald Reflex Colour

✓ Glass tints vacuum deposition
✓ Mono colours only

BROWN (LT)	B80	B50	B20								
	<table border="1" style="border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="background-color: #003366; color: white;">Brown Tint</th> <th style="background-color: #003366; color: white;">Index</th> <th style="background-color: #003366; color: white;">Price per lens</th> </tr> </thead> <tbody> <tr> <td style="background-color: #003366; color: white;"></td> <td style="background-color: #003366; color: white;">1.523 to 1.9</td> <td style="background-color: #003366; color: white;"></td> </tr> </tbody> </table>			Brown Tint	Index	Price per lens		1.523 to 1.9			
Brown Tint	Index	Price per lens									
	1.523 to 1.9										

GREY (LT)	G80	G50	G20								
	<table border="1" style="border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="background-color: #003366; color: white;">Grey Tint</th> <th style="background-color: #003366; color: white;">Index</th> <th style="background-color: #003366; color: white;">Price per lens</th> </tr> </thead> <tbody> <tr> <td style="background-color: #003366; color: white;"></td> <td style="background-color: #003366; color: white;">1.523 to 1.9</td> <td style="background-color: #003366; color: white;"></td> </tr> </tbody> </table>			Grey Tint	Index	Price per lens		1.523 to 1.9			
Grey Tint	Index	Price per lens									
	1.523 to 1.9										

GLASS VACUUM COATING OPTIONS CHART

n = Material	MAR Green	B80	B50	B20	G80	G50	G20
1.523	✓	✓	✓	✓	✓	✓	✓
1.600	✓	✓	✓	✓	✓	✓	✓
1.700	✓	✓	✓	✓	✓	✓	✓
1.800	✓	✓	✓	✓	✓	✓	✓
1.900	✓	✓	✓	✓	✓	✓	✓

We regret no other tint colours, graduated tints or combinations available

*Note: Glass solid tinted lenses also available see pages 4, 7, 9 and 11

MARE coat can be added to brown or grey glass vac tints but this is a separate (charged) service - add MARE to your glass code (e.g. B80 + MARE)

MIRROR COATS can be applied to glass lenses but remember the Mirror Golden Rule: The substrate needs to be **TINTED** in the recommended **base colour and density** (changing it will alter the mirror colour).
MIRROR COLOURS can be applied to any mineral tinted base lens, solid or vac tint 20% LT.

Application to Solid Tints GREY & BROWN 1.523 15% LT & GREY 1.60 15% LT Application to White Lens + GT colour + Mirror +	<table border="1" style="border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="background-color: #003366; color: white;"></th> <th style="background-color: #003366; color: white;">Mirror Coat</th> <th style="background-color: #003366; color: white;">Index</th> <th style="background-color: #003366; color: white;">Price per lens</th> </tr> </thead> <tbody> <tr> <td rowspan="3" style="background-color: #003366; color: white; vertical-align: middle;">Grey Base</td> <td style="background-color: #003366; color: white;">Blue - BM</td> <td style="background-color: #003366; color: white;">1.523 & 1.60</td> <td style="background-color: #003366; color: white;"></td> </tr> <tr> <td style="background-color: #003366; color: white;">Green - EM</td> <td style="background-color: #003366; color: white;"></td> <td style="background-color: #003366; color: white;"></td> </tr> <tr> <td style="background-color: #003366; color: white;">Silver - SM</td> <td style="background-color: #003366; color: white;">Any White</td> <td style="background-color: #003366; color: white;"></td> </tr> </tbody> </table> <p style="text-align: right; font-size: small; margin-top: 5px;">Additional to base lens</p>		Mirror Coat	Index	Price per lens	Grey Base	Blue - BM	1.523 & 1.60		Green - EM			Silver - SM	Any White	
	Mirror Coat	Index	Price per lens												
Grey Base	Blue - BM	1.523 & 1.60													
	Green - EM														
	Silver - SM	Any White													
Application to Solid Tints GREY & BROWN 1.523 15% LT & GREY 1.60 15% LT Application to White Lens + GT colour + Mirror +	<table border="1" style="border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="background-color: #003366; color: white;"></th> <th style="background-color: #003366; color: white;">Mirror Coat</th> <th style="background-color: #003366; color: white;">Index</th> <th style="background-color: #003366; color: white;">Price per lens</th> </tr> </thead> <tbody> <tr> <td rowspan="3" style="background-color: #003366; color: white; vertical-align: middle;">Brown Base</td> <td style="background-color: #003366; color: white;">Blue - BM</td> <td style="background-color: #003366; color: white;">1.523 & 1.60</td> <td style="background-color: #003366; color: white;"></td> </tr> <tr> <td style="background-color: #003366; color: white;">Green - EM</td> <td style="background-color: #003366; color: white;"></td> <td style="background-color: #003366; color: white;"></td> </tr> <tr> <td style="background-color: #003366; color: white;">Silver - SM</td> <td style="background-color: #003366; color: white;">Any White</td> <td style="background-color: #003366; color: white;"></td> </tr> </tbody> </table> <p style="text-align: right; font-size: small; margin-top: 5px;">Additional to base lens</p>		Mirror Coat	Index	Price per lens	Brown Base	Blue - BM	1.523 & 1.60		Green - EM			Silver - SM	Any White	
	Mirror Coat	Index	Price per lens												
Brown Base	Blue - BM	1.523 & 1.60													
	Green - EM														
	Silver - SM	Any White													

Supplementary Lens Charges 2017

	additional to lens charge	Price per lens GB £		Comp Code
		SV	Multi	
WORKED PRISMS	Up to 3.00 ^Δ			PR01
10 (Where possible from standard lens blanks)	3.25 ^Δ to 6.00 ^Δ			PR02
	6.25 ^Δ to 9.00 ^Δ			PR03
	9.25 ^Δ to 12.00 ^Δ			PR04
	12.25 ^Δ to 15.00 ^Δ			PR05
	15.25 ^Δ to 18.00 ^Δ			PR06
	18.25 ^Δ to 21.00 ^Δ			PR07
	21.25 ^Δ and over - where possible			PRS1
CYLINDERS	Up to 6.00DC			----
10 (Where possible from standard lens blanks)	6.25DC to 9.00DC			CY06
	9.25DC to 12.00DC			CY07
	12.25DC to 15.00DC			CY09
	15.25DC to 18.00DC			CY10
	18.25DC to 21.00DC			CY11
	21.25DC and over - where possible			CYS1
POWERS	Extending sphere power beyond stated catalogue range			
	where available from a standard blank Outside range: 0.25 - 3.00D			PW09
	3.25 - 6.00D			PW10
	6.25 - 10.00D			PW12
	10.25D and over			
10	Extended sphere power when an extra thick special (over 3.00D) order lens blank is required (where possible)			PW11
LENS FORM	Surfaced to a specific request for flat base where available			LF12
10	Surfaced to a specified base curve (non stock) requiring double sided working i.e. plus or minus cyls on front surface			LF13
FROSTING	Frosting surfaced resin lens type (Plano frosted & black occluder lenses available - see page 7 main Rx catalogue)			LF15
VERY REDUCED DIAMETER LENSES	Surfaced GLASS wafer where diameter is 45mm or smaller (e.g. camera sight - positive Rx only)			WAF15
5				
BI PRISM SLAB OFF	Glass all indices			LE17
10				
ISEIKONIC LENS	Worked to single vision surfaced option (where possible)			IC20
10				

Supplementary Lens Charges 2017

		Charge GB£ Per Lens	Comp Code
PLASTIC / METAL	Full rim		----
HALF EYE / SHALLOW FRAME	Depth of 20 mm or less requiring hand edging		HE50
SUPRA	Nylon Cord (S)		SU25
SUPRA EXTRAS (add to standard price)	Replacing Old Nylon		SU28
	Replacing Full Gallery Nylon		SU29
	Modifying Depth of Lens Only		FM62
	Making a new former shape where dummy lens not supplied		FM63
NATURAL FRAME MATERIAL/REAL GOLD			NF52
LORNETTE	Antique folding type		L023
HALF PAIR MATCHING	Matching fitting parameters on any ½ pair multifocal lens		HP43
XXS CAMERA/SHOOTING SIGHT (reduced diameter surfacing charge may be applicable - see page 21)	requiring hand finishing		CM53
UNIQUE FRAME DESIGN/LENS SHAPE	Non regular lens radius requiring hand finishing		UF52
ANTIQUÉ SPECTACLE FRAMES	At customers own risk		----
GLASS BONDING AND EDGING Used for diving mask and specialist Lenticular assembly (reduced diameter charge may be applicable - see page 21)	Bonding and edging mineral lenses requiring hand finishing		BO64
GLASS SANDWICH BONDING	Additional to components of the two lenses		----
FRANKLIN SPLIT BIFOCAL	Charged in addition to component lens prices		FS61
FRANKLIN SPLIT TRIFOCAL	Charged in addition to component lens prices		FS63
CUT EDGE AND FIT CUSTOMER'S OWN LENSES			
Full information on the lenses to be CEF should be supplied at time of ordering.			
All work is undertaken at customer's own risk.			
Norville Group retains the right not to undertake any order it deems unsuitable.			
	Plastic / Metal Frame		CG65
	Supra Frame		CG66
CUSTOMER'S OWN LENSES - REMOVING AND FITTING			
Incurred whenever customer's own lenses are removed and refitted into frame for tinting or coating process. This price is in addition to the process price. All orders accepted at customer's own risk.			
	Plastic / Metal Frame		RTGM
	Supra Frame		RTGS
We regret we are unable to currently offer a remote shaping service for glass lenses.			

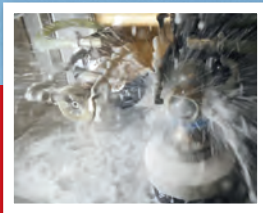
Supplementary Lens Charges 2017

	Supplementary Price per lens GB £		Comp Code
	SV	Multi	
XXL INCREASED EFFECTIVE DIAMETER			
Nortor or Sportor-SV			HD26
			HD27
Ultor or Sportpal Progressive			HD02
SUBSTANCE REDUCTION			
SLIM EDGE TECHNOLOGY S.E.T. (PREVIOUSLY RECRE)			
Blend edge reduced aperture			HD11
BESPOKE LENS DESIGN			
ATORIC DIGITAL INNER SURFACE			
Add Digital HD atoric inner surface to any conventional SV or Bifocal			HD21
HIGH ADD BOOST			
Increase stated add powers available on conventional bifocals or varifocals			HD20
ODD CORRIDOR LENGTHS			
Specify different corridor lengths, right and left. Available on Ultor & Vector progressives only.			HD22
VARIABLE READING INSETS			
Available on Ultor and Vector progressive lens types. 0 to 5mm			HD23
EXTREME INSET PLACEMENT			
Grossly decentered ±20mm			---
IRS BLENDED ROUND BIFOCALS			
Vary the bifocal size on IRS Bifocal 15mm - 45mm (in addition to IRS lens cost)			HD30
HIGH CYLINDERS			
All HD lens types			HD09
Limited range			HD25
PRISM			
All HD lens types			HD10
HD CUSTOM DESIGNED LENS FORM			
(Where lens material/type not listed in the lens form desired; where technically possible)			
	Vector		HD28
	Ultor		HD14
	Hawk		---
	Prodrive		---
Add stated price	Booster		HD17
to the single vision	Versatile (Occupational) - 2 focus		HD19
SURFACED	IRS Blended RD28		HD12
COATED lens	Nortor		HD29
cost of your	Sportor (Wrap)		HD31
chosen material.	Sportpal		HD32
	Up & Down Trifocals: Single IRS	add to base lens form	HD33
		Single Ultor add to base lens form	HD34
		Double IRS add to surfaced SV	HD35
		Double Ultor add to surfaced SV	HD36
	CombiPal	Ultor add to bifocal base	---

BRITISH OPHTHALMIC LENS MAKERS



70 YEARS' OPTICAL LENS MANUFACTURE




Norville
OPTICAL

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