



Somo Optical

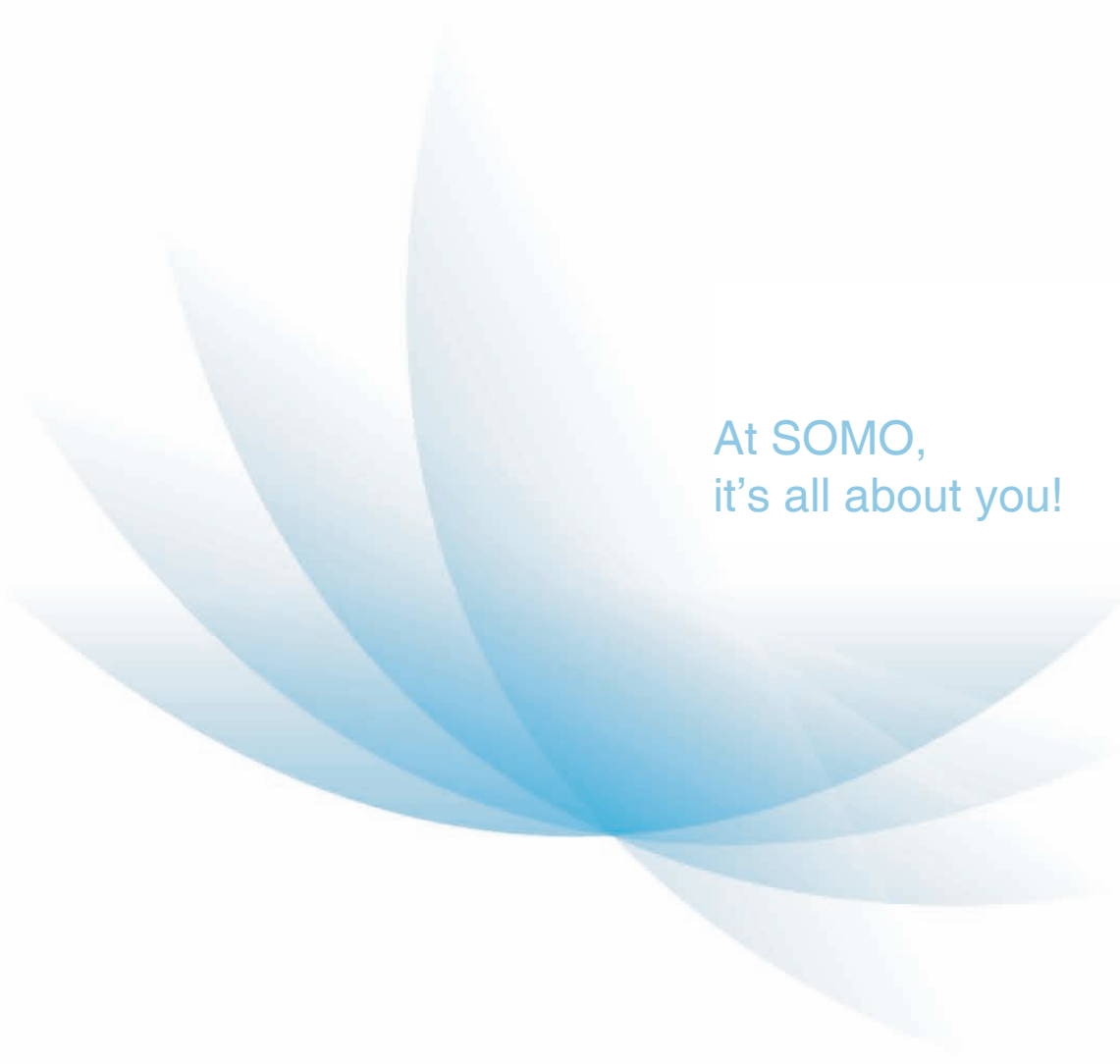
North America



Product Catalog '11



SOMO • Quality • SOMO • Innovation • SOMO • Scientific • SOMO • Relationships • SOMO • Reliability • SOMO Essential • SOMO • International



At SOMO,
it's all about you!

COMPANY PROFILE

Company Name

SOMO OPTICAL Co., Ltd.

CEO

Chairman Shin JoonSoo

Founded

August 31, 1991

Business Area

Manufacture and Distribution of Plastic Ophthalmic Lens

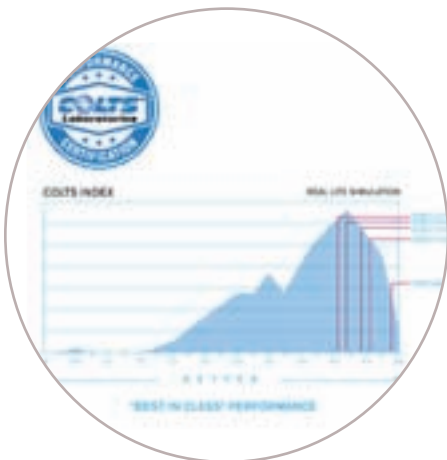
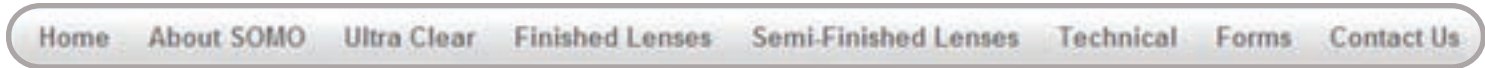
Employee

250+ persons

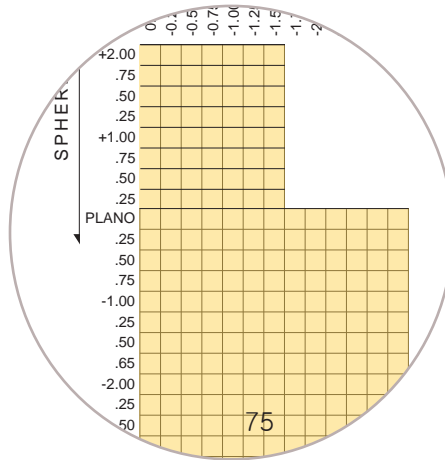


VISIT OUR WEBSITE FOR MORE INFORMATION ON US AND OUR PRODUCTS

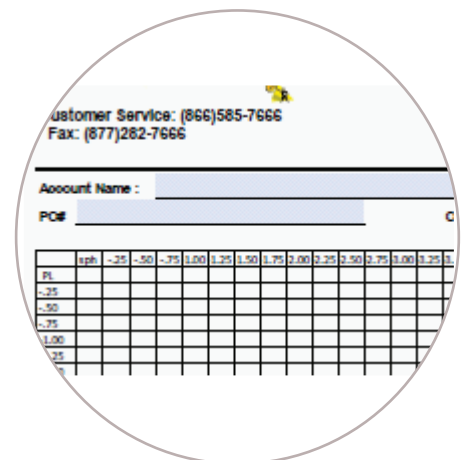
www.SOMOptical.com



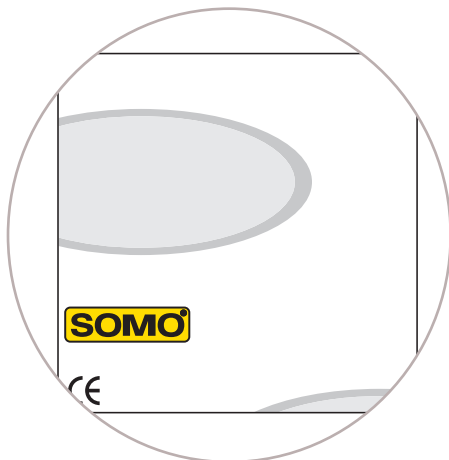
TEST RESULTS



POWER RANGE



ORDER FORMS and ONLINE ORDERING



PRODUCT DESIGN

| | | POWER | | DIAMET (mm) |
|------------|------|-------|--|-------------|
| FRONT BASE | | | | |
| 85 | 3.83 | 0.00 | | |
| 7 | 3.83 | 0.25 | | |
| | 3.83 | 0.50 | | |
| | 3.83 | 0.75 | | |
| | 3.83 | 1.00 | | |
| | | 1.25 | | |

TECHNICAL DATA



BARCODES

HOW WE MAKE QUALITY LENSES

Global Network:

SOMO offers quality lens product through a worldwide distribution network.

Our Main distribution branches are located in Seoul (Korea), Los Angeles (USA), Frankfurt (Europe), Beijing (China), Shanghai (China), and Osaka (Japan).

Our worldwide customers enjoy high quality lenses, timely supply and competitive pricing. SOMO has technical innovation and customer-oriented services to serve customers all over the world.

Unique process and technology:

Our manufacturing facility is located 60 minutes from Seoul, Korea. We use the most up-to-date technology to create the world's finest ophthalmic lenses. With over 250 dedicated employees, we incorporate a unique one line process system. At SOMO, it's all about you.



MOLD PROCESS

SOMO produces and handles the lens mold-making process: Processing - Slumping - Hardening with SOMO's unique Aspheric designs.

CASTING PROCESS

SOMO produces and handles the complete casting process: Assembling - Mixing - Filling - Pre-curing - Releasing - First Cleaning - Post-Curing - Second Cleaning - Supersonic Cleaning.

HARD COATING PROCESS

Using unique technology, SOMO creates superior hardcoat and cushion coating chemistry for the ultimate scratch resistant lenses.



AR COATING PROCESS

Every step in our innovative AR Process is closely monitored and controlled to optimize AR quality and scratch resistance. The result is an integrated and index-matched optical system for exceptional performance.

FINAL PROCESS

SOMO technicians carefully inspect every single lens to ensure you receive high quality lenses. Our integrated inventory system provides computerized inventory control models to give you the highest possible fill-order rates.

ABOUT OUR LAB

SOMO has more than 10 years of lens manufacturing and AR coating experience. Our technicians and engineers follow strict testing and process controls to ensure you receive the highest quality product possible.

AT SOMO, IT'S ALL ABOUT YOU

QUALITY AND PERFORMANCE YOU CAN DEPEND ON

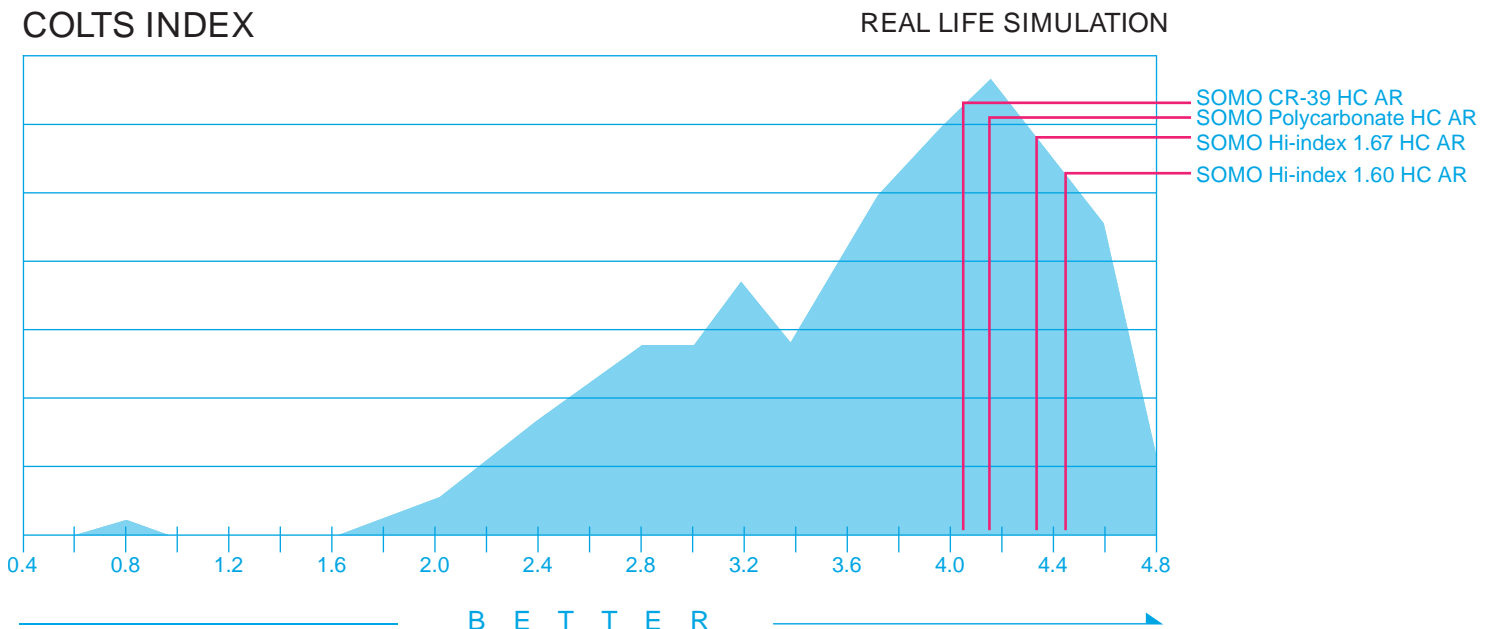


COLTS Laboratories, an independent testing facility, has awarded SOMO Optical the COLTS Seal of Approval.

SOMO has received COLTS Certification based upon quality achievements with several COLTS testing procedures:

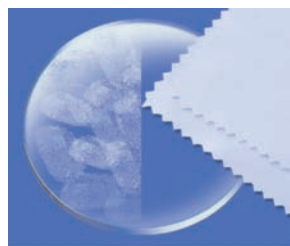
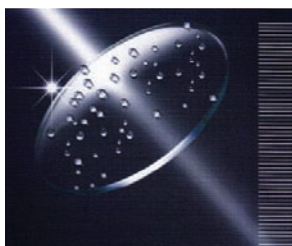
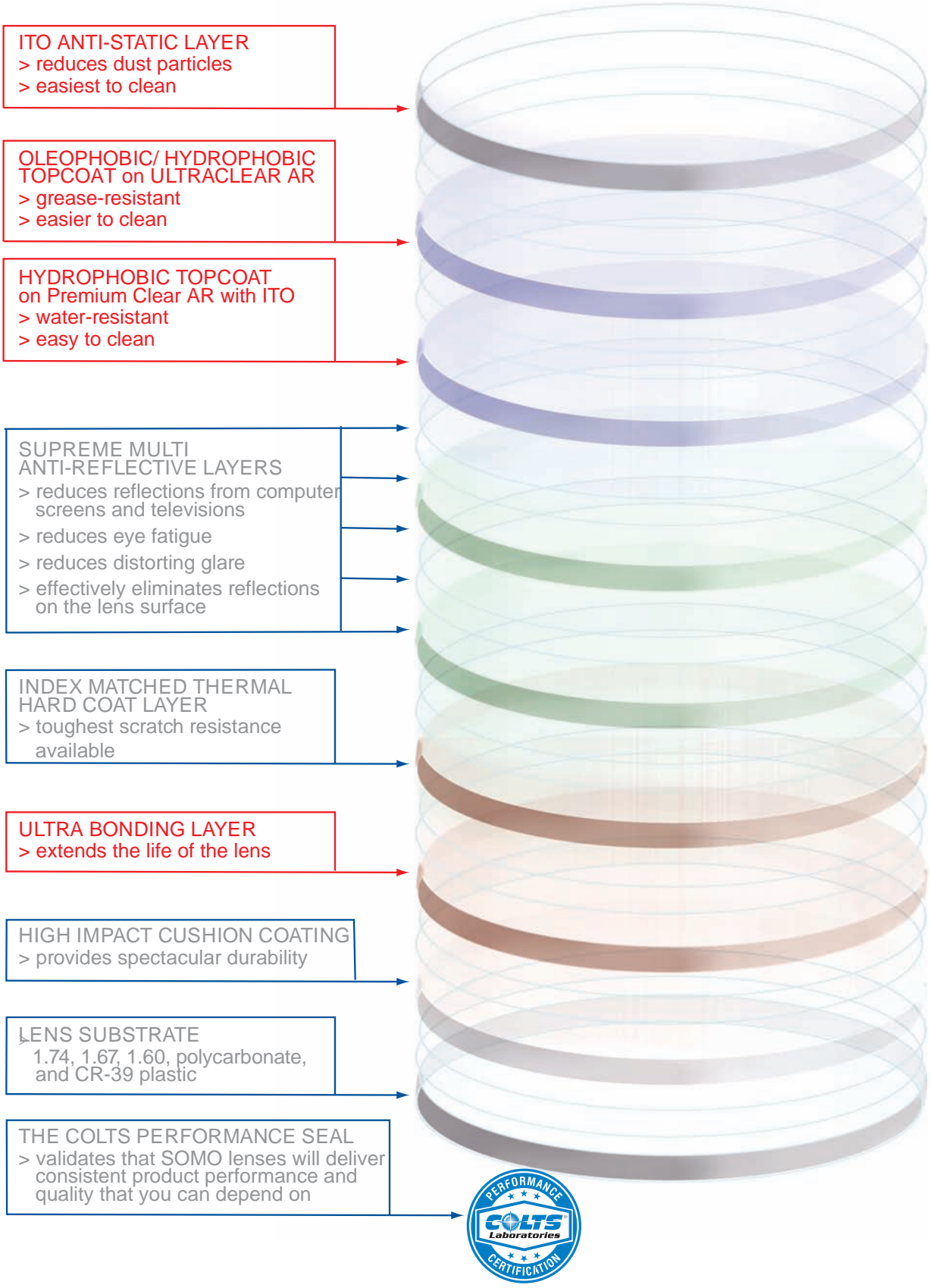
- Real Life Simulating Index
- Bayer Abrasion
- Cycle Humidity/Oven Cross-Hatch Adhesion
- Spectral Analysis

The COLTS performance seal validates that SOMO lenses will deliver consistent product performance and quality that you can depend on.



“BEST IN CLASS” PERFORMANCE”

The COLT'S Seal validates real life simulation test, which is the BEST overall predictor of QUALITY and DURABILITY.



Other Coatings ULTRACLEAR ITO



Other Coatings ULTRACLEAR ITO

Make Edging Super Hydrophobic AR lenses EASY

- Just spray on UltraClear Anti-Slip Spray, use the edging pad included in SOMO ULTRACLEAR AR lenses and edge as usual.
- Low cost solution. Only \$29.95/can. One can treats 600 lenses; 5 cents per lens.
- Please lightly spray onto lens for best results. Overspraying will not help its non-slip performance, but will cause slippage.



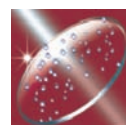
Anti-Slippage and Protection spray for SUPER HYDROPHOBIC ULTRACLEAR Anti-Reflective lenses

PROCEDURE

1. Spray lens one time from a distance of approximately 10 inches.
 - a. This will create fine bubbles on the surface.
 - b. It will not create a film that covers the surface equally!
2. Wait for approximately 1 minute.
3. Block the lens using the blocking pad included with SOMO's ULTRACLEAR AR lenses.
4. Edge sprayed and blocked lens.
5. The adhesive spray can be removed with isopropyl alcohol.

TIPS

- Make sure to adhere the anti-slip pad on lens surface without any bubbles or wrinkles.
- Use a clam chuck with FLAT type in lieu of V type.
- Some edging machines with strong first run pressure may need to lower the pressure by adjustment or manual help.
- Before applying the above procedure, try to prevent axis deviation by operational handling such as adjusting pressure.



"BEST IN CLASS" PERFORMANCE

ULTRACLEAR - SOMO 1.74 ASPHERIC LENS

FINISHED SINGLE-VISION

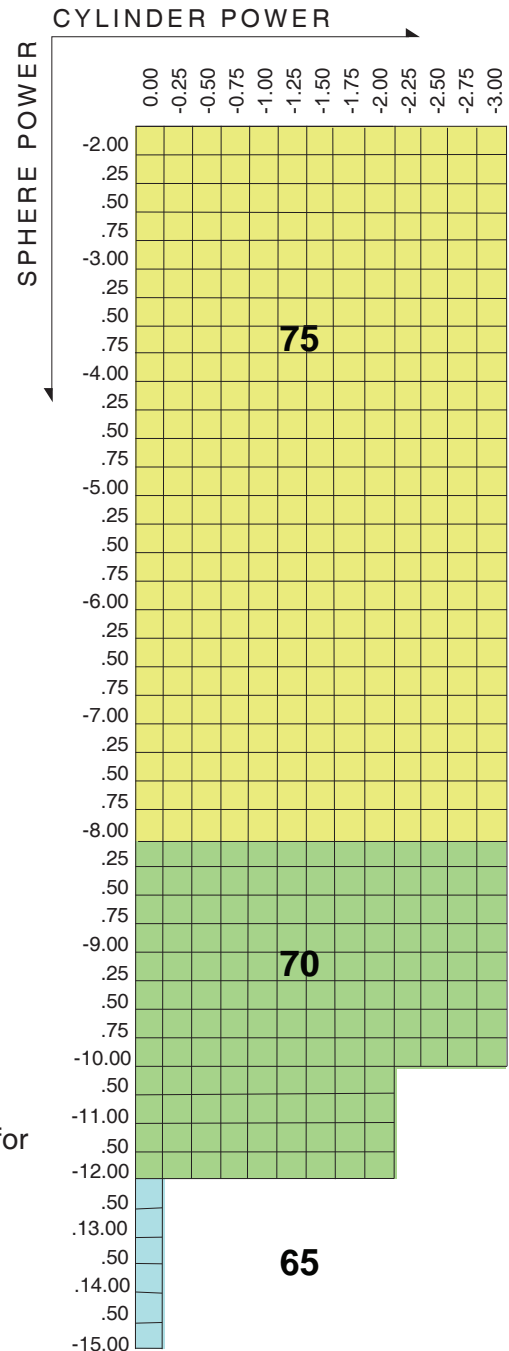


SOMO Aspheric 1.74 UltraClear AR with ITO

- Anti-Reflective Coat
- Anti-Static Coat (ITO) - Reduces Dust Particle
- Ultra Hydrophobic Coat - Water-Resistant
- Oleophobic Coat - Grease-Resistant
- UV 400
- Enhanced Surface Treatment
- Non-Slip Edging Pad Included

Specifications

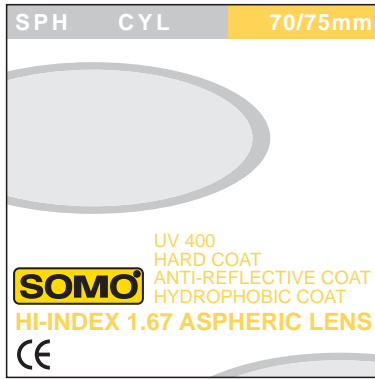
- Aspheric Design
- MR-174 Material
- 1.74 Refractive Index
- 1.47 Specific Gravity
- 33 Abbe Value
- 99.5% Visible Light Transmittance
- 100% UV Protection at 400nm
- Scratch-Resistant Hardcoat
- SOMO Factory Applied Hydrophobic Topcoat for Superior Durability and Cleanability
- SOMO Factory Applied Oleophobic Topcoat
- ITO Anti-Static Treatment



“BEST IN CLASS” PERFORMANCE

SOMO 1.67 ASPHERIC LENS

FINISHED SINGLE-VISION



SOMO Aspheric 1.67 Hardcoat

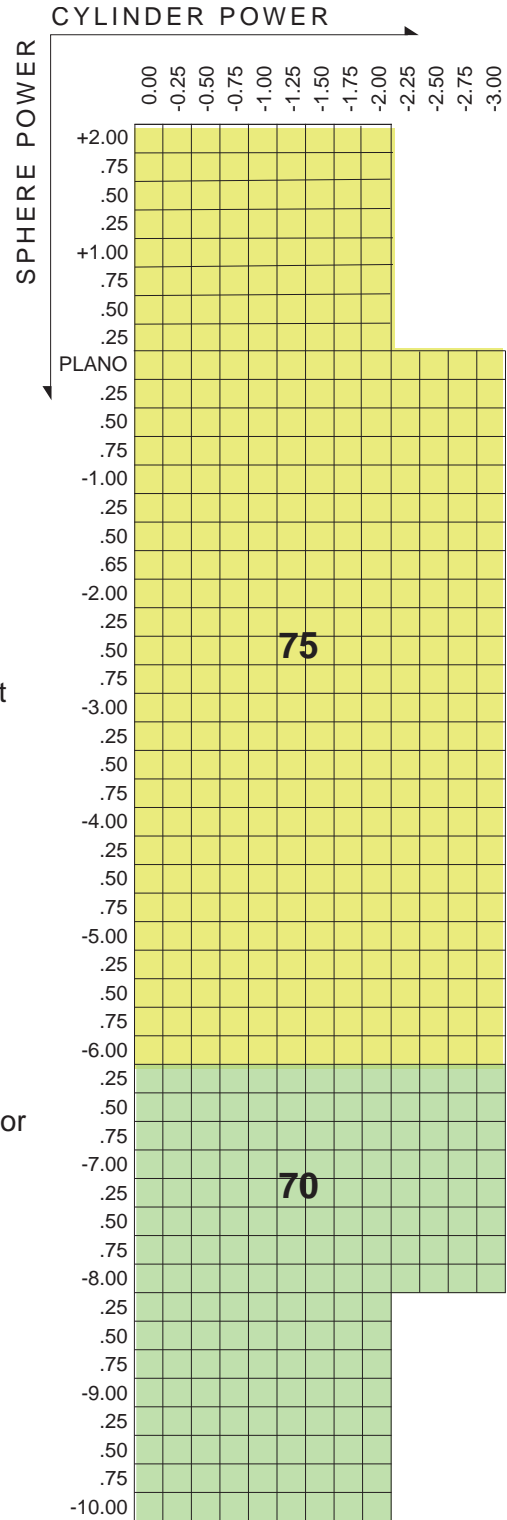
- High Index
- Impact Resistant Cushion Coat
- Hardcoat

Availability

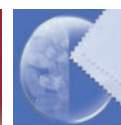
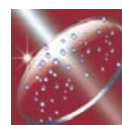
- SOMO Hardcoat
- SOMO Premium AR with Hydrophobic Topcoat
- SOMO UltraClear AR with Hydrophobic, Oleophobic, Anti-static(ITO) Topcoats

Specifications

- Aspheric Design
- MR-7 Material
- 1.67 Refractive Index
- 1.35 Specific Gravity
- 32 Abbe Value
- 99.5% Visible Light Transmittance
- 100% UV Protection at 400nm
- Scratch-Resistant Hardcoat
- SOMO Factory Applied Hydrophobic Topcoat for Superior Durability and Cleanability
- SOMO Factory Applied Oleophobic Topcoat
- ITO Anti-Static Treatment



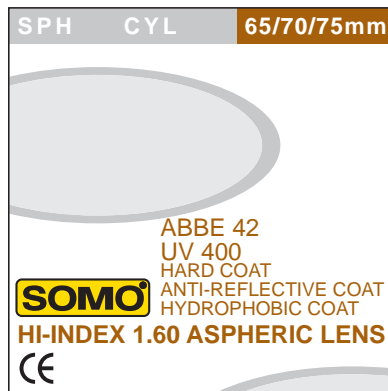
IDEAL FOR DRILL MOUNTS
COLTS TESTED



“BEST IN CLASS” PERFORMANCE

SOMO 1.60 ASPHERIC LENS

FINISHED SINGLE-VISION



SOMO Aspheric 1.60 Hardcoat

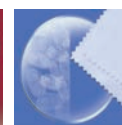
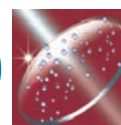
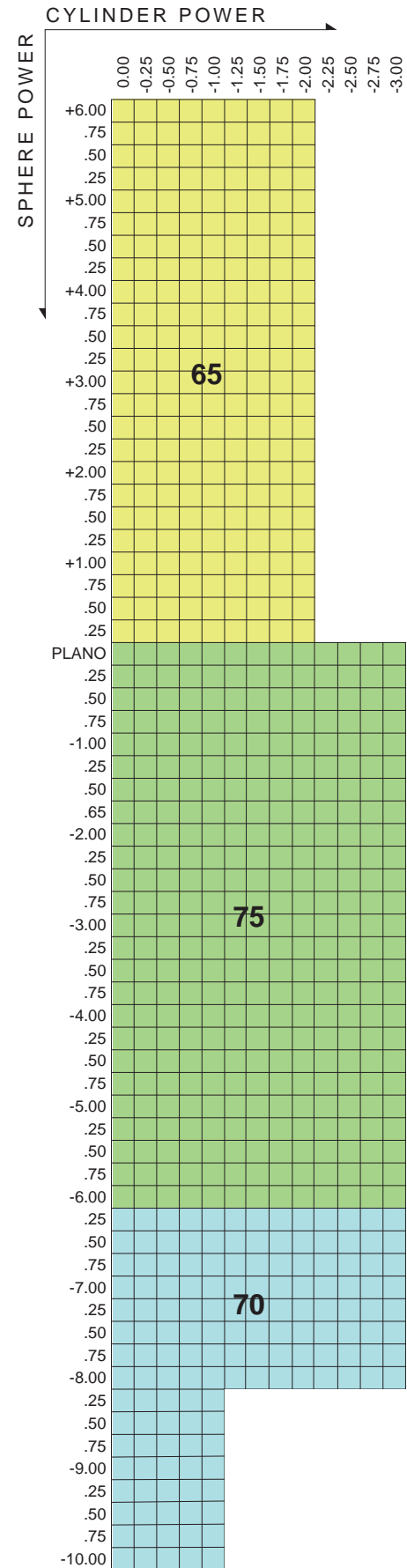
- High Index
- Impact Resistant Cushion Coat
- Hardcoat

Availability

- SOMO Hardcoat
- SOMO Premium AR with Hydrophobic Topcoat
- SOMO UltraClear AR with Hydrophobic, Oleophobic, Anti-static(ITO) Topcoats

Specifications

- Aspheric Design
- MR-8 Material
- 1.60 Refractive Index
- 1.30 Specific Gravity
- 42 Abbe Value
- 99.5% Visible Light Transmittance
- 100% UV Protection at 400nm
- Scratch-Resistant Hardcoat
- SOMO Factory Applied Hydrophobic Topcoat for Superior Durability and Cleanability



“BEST IN CLASS” PERFORMANCE

SOMO 1.60 SPHERICAL LENS

FINISHED SINGLE-VISION



SOMO Spherical 1.60 Hardcoat

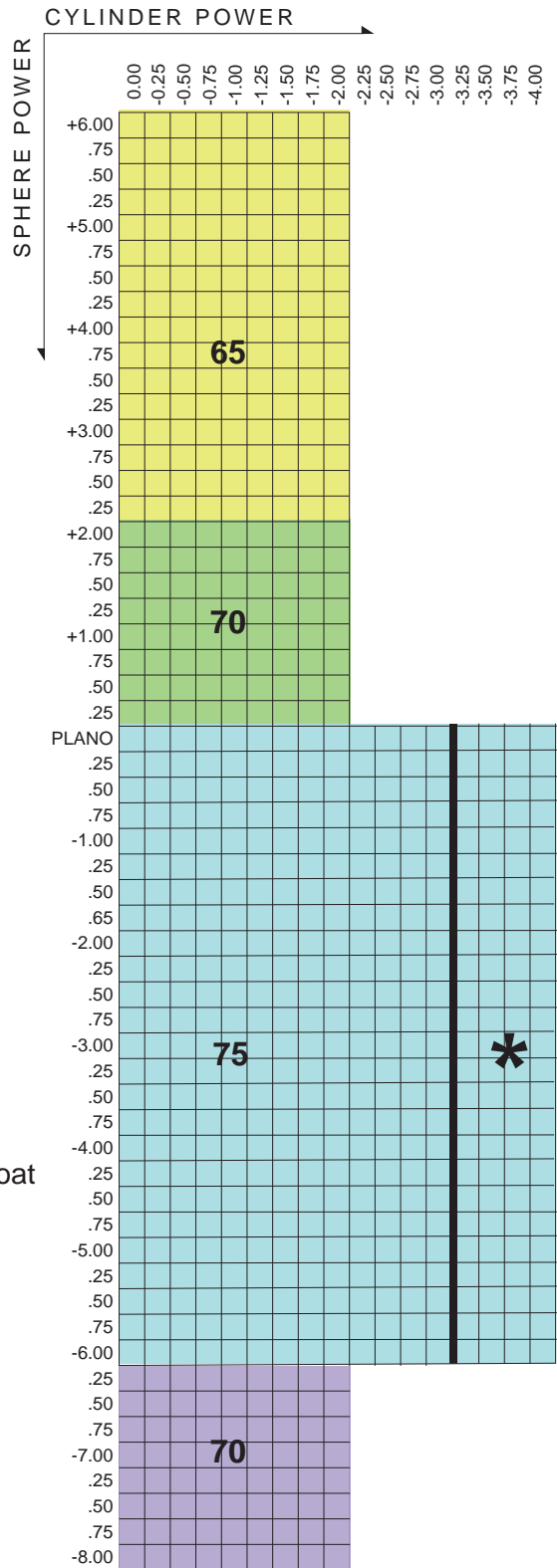
- High Index
- Impact Resistant Cushion Coat
- Hardcoat

Availability

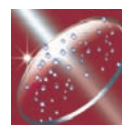
- SOMO Hardcoat
- SOMO Premium AR with Hydrophobic Topcoat
- Extended Cylinder Range Available in AR Coated

Specifications

- Spherical Design
- MR-8 Material
- 1.60 Refractive Index
- 1.30 Specific Gravity
- 42 Abbe Value
- 99.5% Visible Light Transmittance
- 100% UV Protection at 400nm
- Scratch-Resistant Hardcoat
- SOMO Factory Applied Hydrophobic Topcoat for Superior Durability and Cleanability



Extended Cyl Available in AR Only



"BEST IN CLASS" PERFORMANCE

SOMO 1.59 POLYCARBONATE

SPHERICAL • FINISHED SINGLE-VISION



SOMO Polycarbonate Hardcoat

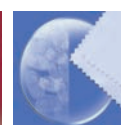
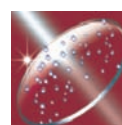
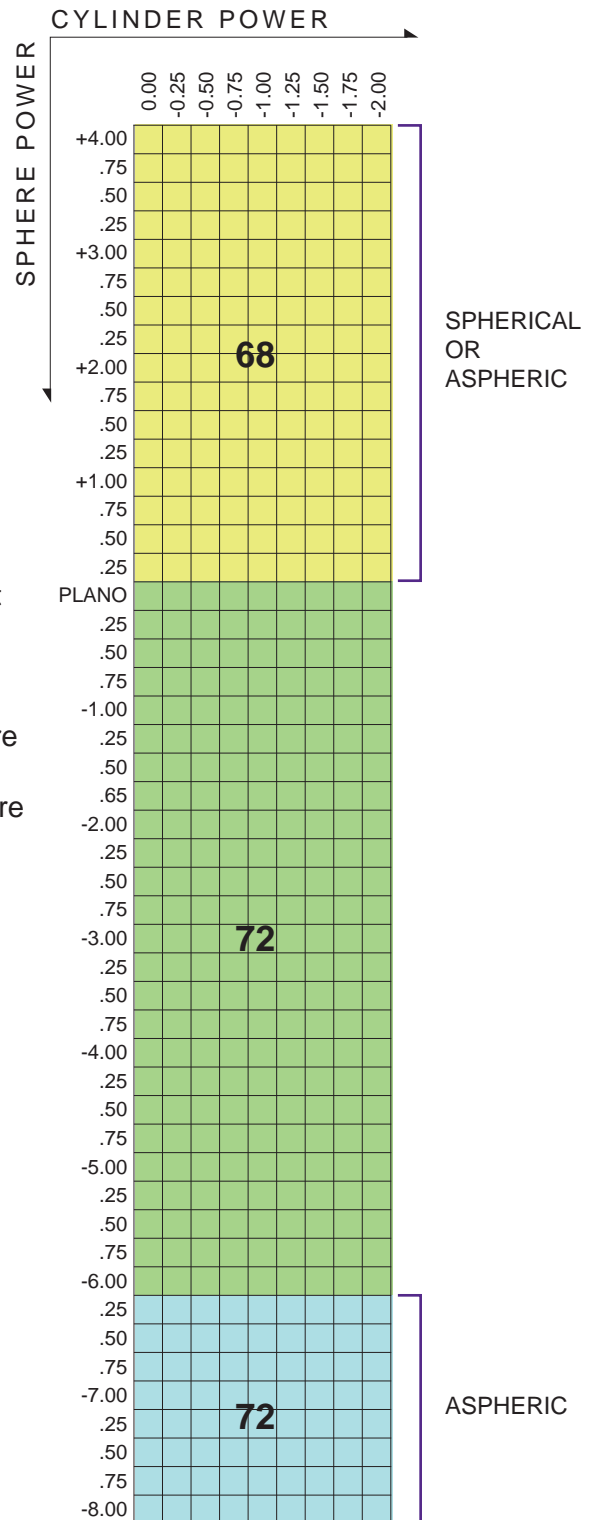
- Premium Polycarbonate Resin
- Super Tough Hardcoat - Non-tintable

Availability

- SOMO Hardcoat
- SOMO Premium AR with Hydrophobic Topcoat
- SOMO UltraClear AR with Hydrophobic, Oleophobic, Anti-static(ITO) Topcoats
- Available in all spherical and minus aspherics
- Spherical Design Powers: Plano to -6.00 Sphere with -0.25 to -2.00 Cylinder
- Aspherical Design Powers: -6.25 to -8.00 Sphere with -0.25 to -2.00 Cylinder
- Plus Powers Available in both Spherical and Aspheric Designs

Specifications

- 1.586 Refractive Index
- 1.20 Specific Gravity
- 31 Abbe Value
- 99.5% Visible Light Transmittance
- 100% UV Protection at 380nm
- Scratch-Resistant Hardcoat



“BEST IN CLASS” PERFORMANCE

SOMO EZ-TINT POLYCARBONATE

FINISHED SINGLE-VISION

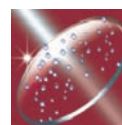
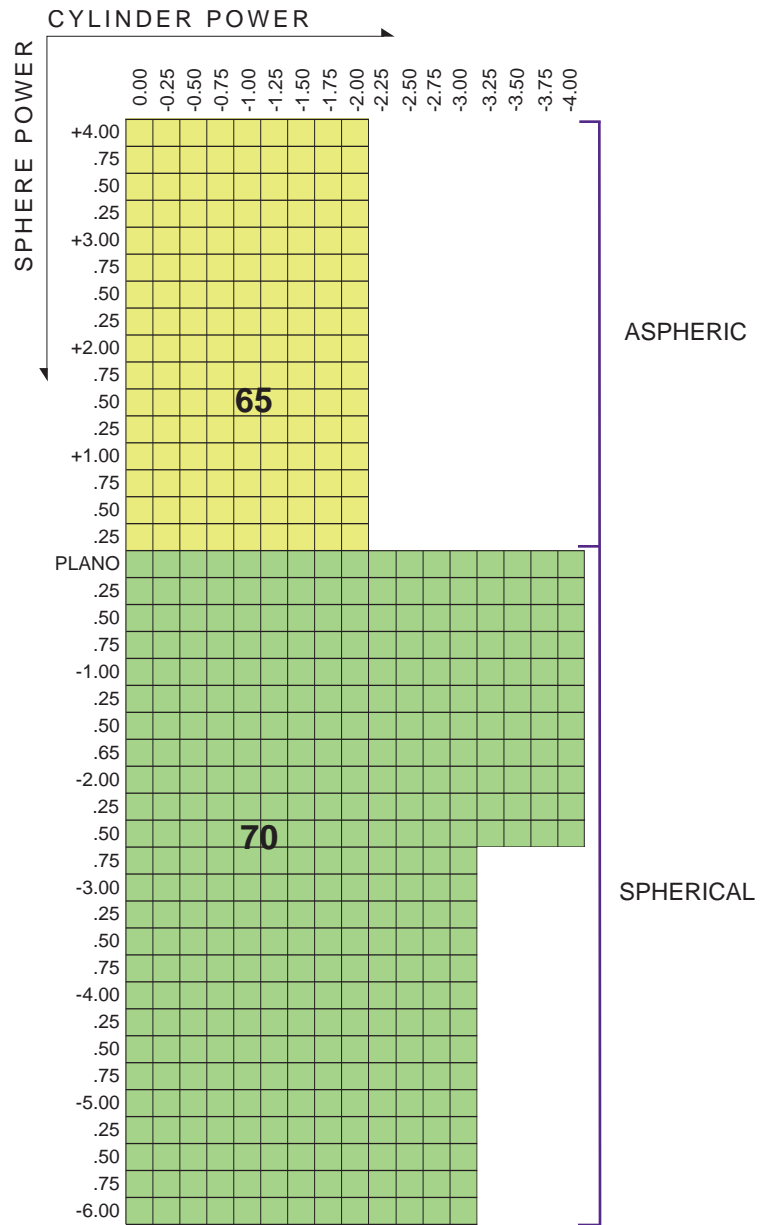


SOMO EZ-Tint Polycarbonate

- Hardcoat
- Premium Polycarbonate Resin
- Outstanding Combination of Scratch-Resistance and Tintability
- Superior Tint Density and Quality
- Virtually No Inner Stress with Modified Compression Technology

Specifications

- Spherical Design - Minus Powers
- Aspheric Design - Plus Powers
- 1.586 Refractive Index
- 1.20 Specific Gravity
- 31 Abbe Value
- 100% UV Protection at 380nm
- Scratch-Resistant Hardcoat
- Hardcoat Chemistry for the Best Tintability



“BEST IN CLASS” PERFORMANCE

FINISHED SINGLE-VISION

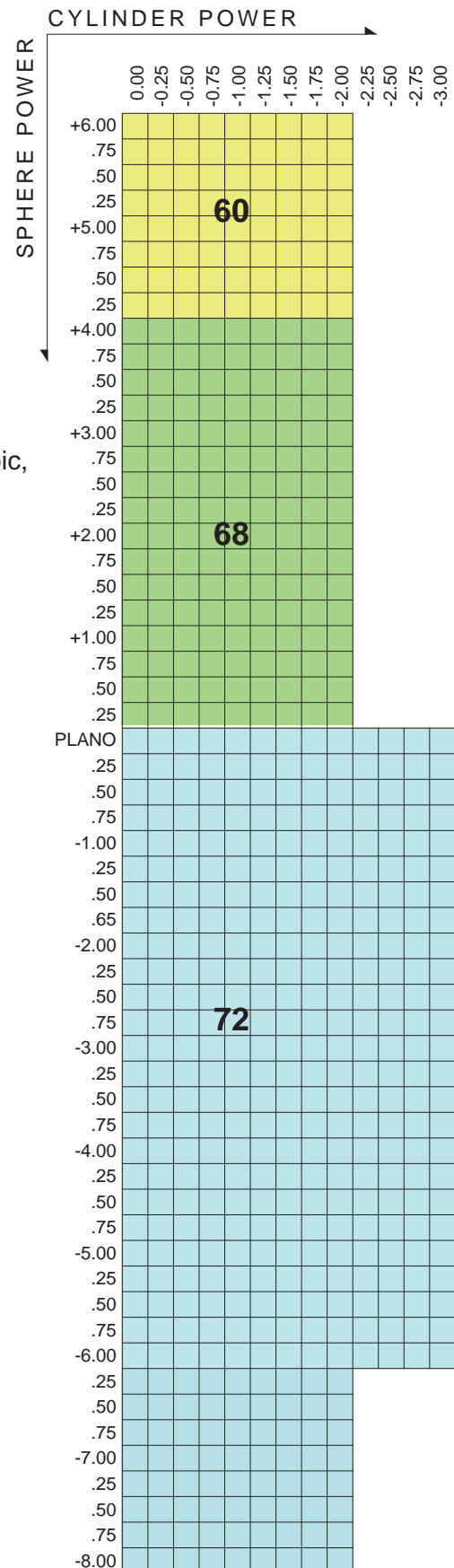


SOMO EZ-Edge Polycarbonate UltraClear

- UltraClear AR with ITO for superior hydrophobic, oleophobic, and anti-static layer
- No Slip Edging Technology
- Nano EZ-Edge Assist Layer
Washes off with warm soap solution after edging

Specifications

- 1.586 Refractive Index
- 1.20 Specific Gravity
- 31 Abbe Value
- 100% UV Protection
- Aspheric Design



“BEST IN CLASS” PERFORMANCE

SOMO 1.50 PLASTIC LENS

FINISHED SINGLE VISION



Somo Spherical 1.50

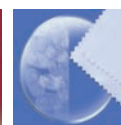
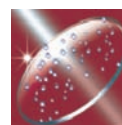
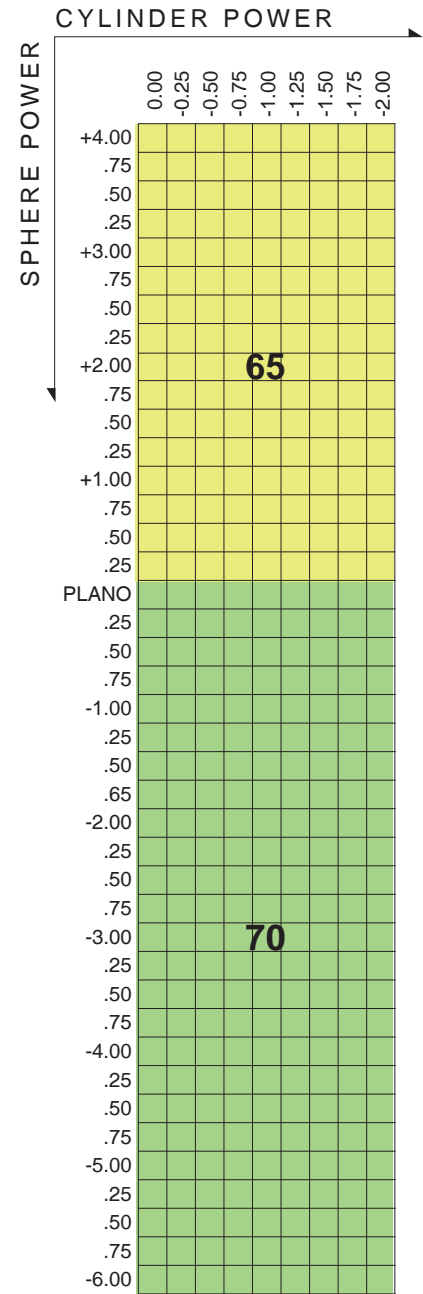
- Non-Coated

Somo Spherical 1.50 Available Coatings

- Hardcoat
- SOMO AR
- SOMO UltraClear AR

Specifications

- Spherical Design
- Material: CR-39
- 1.50 Refractive Index
- 1.32 Specific Gravity
- 58 Abbe Value
- 99.5% Visible Light Transmittance (SOMO AR)
- UV Protection at 350nm
- Scratch-Resistant Hardcoat
- SOMO Factory Applied Hydrophobic Topcoat for Superior Durability and Cleanability
- SOMO Factory Applied Oleophobic Topcoat
- ITO Anti-Static Treatment



“BEST IN CLASS” PERFORMANCE



- ★ **SOMO OPTICAL HQ**
Korea
- ★ **SOMO OPTICAL USA**
California
- ★ **SOMO OPTICAL EUROPE**
Germany
- ★ **SOMO OPTICAL JAPAN**
Osaka
- ★ **SOMO OPTICAL CHINA**
Shanghai
Beijing

