Chassis 5523 Essence: Technical Information

- Chassis 5523 Essence collection marries Silhouette’s High-Tech Titanium and SPX® to create an exciting hingeless style
- The titanium endpiece is molded into the SPX® hingeless temple

- The titanium endpiece allows easy adjustment of the frame for temple side pressure and pantoscopic angle
- By using a titanium endpiece and bridge, the mounting of the frame parts uses standard Silhouette hole size of 1.4 millimeters
- The new bridge profile is a modern interpretation of a rounded retro look

- Distance between lens (DBL) measurements match Silhouette bridge measurement of 17 and 19 millimeters. A 21 mm bridge is also available
- Essence collection includes 8 shapes that can be easily produced by any lens edger
- Each shape is supported with two lens sizes
- Patterns are available by calling Silhouette customer service at 1-800-223-0180
- OMA shape files and drill charts are available at www.silhouettelab.com

- Changes to lens sizing — beyond standard lens sizing — is possible. Hole locations will need to be adjusted to maintain proper DBL and vertical temple positioning
- The collection features two shapes with gradient lens tinting:
  - Shape GQ — 25% to 0% gray gradient
  - Shape GT — 25% to 0% rose gradient
- Tint can be duplicated using commercially available lens tints and tint sample should be sent to the lab for exact match
- If tinting and AR coating, it is advised to work with a lab who has developed processes to ensure proper end color after AR coating is applied
- Recommended lens materials are: polycarbonate, Trivex, high-index 1.60 and 1.67
- Recommended lens base curve is 5.0, although other base curves are possible
- When compressing frame parts onto lenses, best results are achieved using the blue plier tip
- When adjusting temples or bridge wrap angle, it is very important to support the lens mounting with Silhouette mounting pliers
- SPX® and titanium interface on temple should be well supported with fingers when doing pantoscopic tilt changes
**Chassis 5523 Essence:**

**Need to Know Items by Lab Department**

**Customer Service**
- Will need to know that shapes CH, CV, FK, GN, GP, GQ, GS and GT are new Silhouette shapes
- All of the shapes are available in two standard sizes
- Should be asking ECP to include proper mounting sleeves with every job

**Data Entry**
- Will need to know that shapes CH, CV, FK, GN, GP, GQ, GS and GT are new Silhouette shapes
- All of the shapes are available in two standard sizes
- Frame Manager/Frame Receiving
- Will need to recognize it as a new Silhouette collection, however there are no special items that need to be addressed upon receipt

**Edging**
- The shapes for Essence collection do not require special edging tools and can be done on any edger

**Drill Station / Assembly**
- All drill holes for Essence are 1.4 mm
- Proper sleeve for assembly is BLS 58
- Plier tip for compression and mounting is the blue tip

**Final Inspection**
- Will need to verify that hole locations are to specification
- Will need to verify proper face form of frame if Rx lenses are on a base curve of less than 5.0

**Lab Manager**
- Will need to ensure that new shapes and drill holes are entered into shape library by using OMA electronic shape data or pattern tracing and drill coordinate charts

For additional technical information please visit portal.silhouette.com
### Chassis 5523 Essence:
Lens Shapes and Sizing Information

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