OEM'S SLIMLINE
BETWEEN THE GLASS BLINDS
September 1, 2015
SL20 C – LIFT AND TILT
SL20A – TILT ONLY

NOTICE

The side guides mentioned in this booklet are optional.

Table of Contents

Section I – SL20C –	Pages 1- 5
Section II – SL20A	Pages 6 - 10
Section III – Drawings, Op	perator Option DrawingsPages 11-15
Section IV – Glass Thickn	ness/Magnet Speed ChartsPages 16 - 19
Section V – Order Form	Pages 20

Section I – SL20C Specifications

OEM'S SLIMLINE SL20C INTERNAL GLASS BLIND SYSTEM

Description

A unique patented magnetically coupled gear driven lift and tilt mini-blind for installation in sealed insulated glass or replaceable glass packages. An externally mounted magnet controls the blind with integral cord loop held in place by a loop tensioner. The cord loop rotates the external magnet, which drives an internal magnet with which it is coupled. Moving the cord loop down on the right or left side of the outer magnet assembly will respectively raise or lower the blind. If the cord on the opposite side is moved after a raise or lower motion slat rotation will occur and then movement in the opposite direction.

OEM between the glass (BTG) mini-blinds when installed in an insulated glass (IG) package can be used in door window, regular window and office partition applications. The blinds offer convenient light level and privacy by tilting the slats to your preference or lifting them for a direct view. Gone is the need to periodically dust the blinds. The outer glass surface can be easily wiped and sanitized without affecting the blind. Since they are internally mounted, damage to the blinds from everyday use is avoided.

Definition of Blind

Requires a 0.750" internal glass airspace. Slat is aluminum alloy 6010-T8, size 12.5mm (.500") x .008" painted with low emissivity paint with a polyester Ultra Violet high resistant finish. Head rail and bottom rail profiles are 6063-T5 alloy painted in coordinated color with the slat. Also, high temperature plastics are provided. The ladder tape and the lift cord are thermally fixed polyester and UV resistant. The sintered neodymium, iron-born magnets have a produced energy of Bh max - 33 to 35 Mega Oersteds and a max working temperature of 248°F. The internal mechanism has steel gears hardened on the surface and bearings to reduce friction and support the magnets.

Optional Accessories: side tracks for mounting the blind inside the glass package. These provide
spacing between the traveling rail and inside surface of the interior pane of glass (low e coating
protection). Holes are drilled in the sidetracks to allow inner glass package volume to access spacer
bar desiccating material. Double-sided tape is affixed to the sidetracks, which enables adhesion to the
side spacer bar.

• Options Include:

Magnet operator location – top left or top right side

Magnet wand – magnet operator with acrylic wand. (See Section III – Drawing 4).

Knob Handle - Method for raising and lowering. (See Section III - Drawing 5).

Magnet speed - standard.

Cord length – 12, 20, 40, 60 inches. (See Section III – Drawing 1). Custom sizes must be placed with order.

Colors – 6 colors: White 0102, Off-white 0125, Almond 0149, Tan 0069, Silver 0157, Gold 3000 Spacer bar for headrail

• Glass Package (IG) Supplier Scope:

Maintain ¾" air gap for blind operation, ensure width and height rectangular internal glass dimensions, install sidetracks and blind into IG package consisting of glass, box spacer, corner keys and sealant (provided by IG supplier). When installing the blind and sidetracks, the top and side spacer bars must be clean and free of desiccant dust. The side spacer breather holes (if required) must be offset from the sidetrack tape for optimum internal moisture absorption. Identify materials and fabrication process to OEM to ensure compatibility with blind.

Ensure IG or replaceable glass package maintains the internal geometry necessary to allow blind to travel and slat rotation during environmental temperature and pressure excursions. Glass deflection

(internal bending) must be limited to 0mm maximum to allow proper blind operation. Possible methods to achieve acceptable air gap include pressurization and/or the installation of capillary tubes.

Allowance also must be made for a slight ladder tape bunching effect as the blind is raised and the slat and ladder tape accumulate above the traveling rail. Optimum performance is obtained when a consistent 3/4" internal air gap is maintained.

The blind must be installed in the vertical position for proper raise/lower operation and slat tilt.

Blind Characteristics

Pulling the cord in the right side lowers the blind. When initially pulling this side the slat will rotate closed with the slat crown facing outside. Pulling the cord on the left side raises the blind. When initially pulling this side the slat will rotate closed with the slat crown facing the inside. Small adjustments by pulling on the right and left side of the cord will enable optimum slat positioning. The force to lift the blind is 36 Newtons maximum and to tilt is less than 10 Newtons.

The speed operation of the blinds will be different for the 3-magnet/gearing styles. Indentified below is information concerning movement of the external cord to raise the blind from 1mm or complete the total slat titling procedure.

System	External Cord Movement	Internal Blind Raising
Standard (direct)	7.5mm	lmm

Production Charts

The charts at the end of this section show operating range (width and height, outside glass dimensions) of blind for 3 magnet speeds and glass thickness form 1/8" to 1/4". Considering a 3/4" air space, the minimum overall glass package thickness is 1 inch using 2 1/8" thick glass pieces.

The charts identify, for each glass thickness, the calculated maximum tension (blind weight) until slipping (loss of coupling) of the magnets occurs. A safety factor of 2.2 times the calculated weight is utilized to develop the charts. The right hand side of charts show the limit of proper blind operation as the height and width (total weight) increase. The left hand side of charts show the height limitation as width decreases due to limits of cord wrapping around a horizontally moving lift tube.

Pricing and Delivery

The attached charts show blind pricing for various widths and heights as measured by outside glass dimensions.

Delivery is usually 3 weeks from receipt of order for all sizes. Contact OEM for delivery information.

Tolerances

- Size of blind is typically glass size less 7/8 inch for both width and height. This cutback is derived as follows and applies to both width and height. Spacer bar width 5/16 inch (quantity of 2) and sealant of 1/8 inch (both sides) for a total of 14/16 = 7/8 inch. The spacer bar must have a thickness of 3/4 inch to maintain air gap. Side tracks (if supplied) will be cut to internal pocket height less an allowance for head rail dimension. For other spacer bar dimensions, contact OEM to ensure proper blind sizing.
- Height of cord loop is +3/8 in/-3/4in.
- A space of approximately 1/8" is left on each side between slats and spacer, for a free movement of the system and to allow thermal transmission of the aluminum slats.
- The production tolerance is +0/-1/16 for the width of the blind. The tolerance for the height of the blind is +3/8in/-0; consequently the traveling (bottom) will sit on the lower spacer bar when completely lowered.

- As a result of an addition of tolerances of the lift cord and the internal wrapping mechanisms, it is possible to have a small inclination of the bottom rail while raising the blind. This will be more prevalent for narrow and very long blinds.
- The maximum tolerance for parallelism between the top rail and traveling rail of the blind is 5/16 inch.

Ordering Information

It is important to be precise when ordering. The following information must be provided – see order form.

- Colors: 6 colors White 0102, Off-white 0125, Almond 0149, Tan 0069, Silver 0157, Gold 3000
- Outside glass size (width and height)
- Operator location (left or right)
- Operator type (select from options in Section III)
- Cord loop length (select from standard sizes or specify custom length)
- Spacer bar utilized, sealant thickness, sightline deduction
- Breather holes in sidetracks (yes or no)
- Sidetrack

Confirmation and Tests

Testing has been performed by the following European Institutes: Rosenheim, Istitito Giordano and CSTB. These tests concern the optical characteristics of the blinds, energy reflection and absorption of double—glazing units with an installed blind and the hermetic sealing of units to minimize condensation (fogging) for increased life cycle performance. The blinds have completed ASTM E 774-97 testing in IG units for durability classification by the Insulating Glass Certification Council. Life cycle testing demonstrating over 10,000 raise and lower operations has been completed. Proper blind operation inside and IG unit has been demonstrated with the inside glass exposed to a temperature of 20°C and the external glass exposed to a temperature of -30°.

Installation Instructions SL20C with Side Guides

Ensure the wings of the sideguides are on the same side as the head rail magnet mechanism. The magnet must be separated from the inside of the glass to allow unimpeded ability to rotate.

- General information work place clean and free from dust, handle blinds with care and cleanliness, do
 not contact the slats with sealant
- Receipt checking check the blind package for no damage, ensure all components are available, verify correct size

Summary of production steps (other alternative possible based on IG production techniques):

Assemble the spacer bars; ensure moisture absorbent material (such as desiccant) is loaded into the spacer bar. The desiccant will absorb moisture and eliminate the possible condensation (fogging) inside the glass package.

Position the spacer bar assembly on one side of the glass. Seal in an appropriate manner, avoiding potential contact between butyl and blind when installed. Ensure glass is not bent or bowing inward. While positioning the spacer bars on the glass be sure of their perfect parallelism (bent spacers would stop movement of the blind). The wing of the side guide must be turned on magnet's side. For low-e glasses avoid rubbing the blind on the glass or damage while handling.

Position the blind inside the spacer bar, preferably at the lower side. Install sidetracks as shown on the drawings. After ensuring side spacer is clean and free of desiccant dust or oils, press the sidetracks firmly against side spacer for good adhesive. Install the second pane of glass over the blind/side track and spacer bar. Ensure glass is flat and does not bend inward to impede blind operation.

Ensure a ¾" air gap and proper width and height of the package. Some techniques to be considered to maintain air gap are capillary tubes (pressure equalization) and a slight internal pressurization. IG producer to establish proper technique.

Seal the second pane of glass to the spacer bar.

- Checks
 - Position the double-glazing in a vertical position and check for parallelism of the glasses. Check for visual defects. Test the blind for operation using the external magnet. Raise the blind prior to moving the double-glazing unit.
- Transport

Use special trolleys to position the unit vertically and with the blind on the lower side or side part.

INSTALLATION INSTRUCTIONS FOR THE SL20C LIFT & TILT BLIND WITHOUT SIDE GUIDES

- 1. With the box spacer channels pre-assembled and the blind slats completely in the raised position, attach the blind headrail to the spacer bar corner keys. You may want to have the entire assembly turned upside-down to let gravity assist.
- 2. Attach the two panels of glass to each side of the package making sure the channels are square and evenly spaced with the edge of the glass. Apply sealant around the edge of the entire package.
- 3. Remove the adhesive strip for the outer magnet assembly and attach to operate.

SL20C BLIND WITH INTERCEPT WITHOUT SIDE GUIDES

Installation Instructions

- 1. Assemble intercept spacer for required dimensions.
- 2. Insert intercept clips ever six inches along top of spacer system. Turn clips to lock into place.
- 3. Insert intercept covers down both sides of the intercept making sure the cover is snapped into the intercept system. You may also install the cover into the bottom of your system for a finished look.
- 4. The blind is now ready to be sealed. It is critical that the 3/4" inside air space is maintained to insure proper blind operation.
- 5. Once sealed, the outer operator can be installed.
- 6. Clean glass surface, remove adhesive strips and apply to the glass making sure the operator is aligned with the internal operator.

Final Installation

Check the shape of the glass ensuring the ¾ inch air gap. If the internals are pressurized slightly, close off the supply and seal the unit after verifying free movement of the internal blind. Ensure the unit is positioned vertically for this check.

If the external magnetic operator with cord and tensioner are to be installed at this time follow the steps below:

Provide necessary space around the internal magnet to interface with the external magnet.

Position the external magnet after carefully cleaning the glass area where it will be placed. For proper operation, the external magnet must be perfectly interfaced with the internal one. Therefore, before removing the adhesive protecting film, position the external magnet on the glass next to the internal one. Verify smooth raising and lowering of the blind. Then remove the film and position the external magnet on the glass following the magnetic attraction.

Position the cord tensioner, keeping the cord in tension. The operator tip on the cord tensioner should be positioned at approximately the line on the tensioner or slightly higher to keep the cord engaged. Excessive tension on the loop will hinder cord movement.

The right cord lowers the blind and the left cord raises it. The movement of the external cord will have to be uniform: strong pulling on the cord could damage the internal blind components, especially as the blind reaches the fully raised or lowered position.

Operation

The Venetian blind regulates the amount of internal light and allows darkening in the case of strong luminosity. Darkness will not be total since the ladder tape separates the slats and the slats contain holes to allow for passage of the lift cords. A side space must also be provided to allow free raise/lower movement of the system and thermal dissipation of the aluminum slats. This space also allows for assembly tolerances inside the double-glazing.

Venetian blind manuals do not give corner closure values of the slats. They indicate, in the case of a closed blind, that an external observer outside the house watching in parallel inside through the closed venetian blind must not see any object inside.

In consideration for child safety requirements, a generic warning hangtag and/or operational hangtag will be attached to the cord loop.

Warranty

- Blind repair or replacement only:
 10 years when not exposed to greater than 220°F
- Outer cord loop 1 year
- Failure to install cord tensioner voids all warranties (a tensioner will be supplied with each blind)

Low – E glass is not recommended with blinds that raise and lower. The ladder tape stacks can possibly touch the coating on the glass surface and with time, the constant friction can wear on the coating. If Low – E glass must be used, use a hard coat Low-E (pyrolitic) along with side guides. Note this does not guarantee there will be no contact between the low – E glass surface and the blind.

There will be less chance of contact between the blind and the Low E glass surface by using tilt only blinds.

Section II – SL20A Specifications

OEM'S SLIMLINE SL20A INTERNAL GLASS BLIND SYSTEM

Description

A unique patented magnetically coupled gear driven tilt mini-blind for installation in sealed insulated glass or replaceable glass packages. An externally mounted magnet assembly controls the blind with either a knob or wand. The operator rotates the external magnet, which drives an internal magnet with which it is coupled.

OEM between the glass (BTG) mini-blinds when installed in an insulated glass (IG) package can be used in door window, regular window and office partition applications. The blinds offer convenient light level and privacy by tilting the slats to your preference. Gone is the need to periodically dust the blinds. The outer glass surface can be easily wiped and sanitized without affecting the blind. Since they are internally mounted, damage to the blinds from everyday use is avoided.

Definition of Blind

Requires a 0.750" internal glass airspace. Slat is aluminum alloy 6010-T8, size 12.5mm (.500") x .008" painted with low emissivity paint with a polyester Ultra Violet high resistant finish. Head rail and bottom rail profiles are 6063-T5 alloy painted in coordinated color with the slat. Also, high temperature plastics are provided. The ladder tape and plisse cord are thermally fixed polyester and UV resistant. The sintered neodymium, iron-boron magnets have a produced energy of Bh max – 33 to 35 Mega Oesteds and a max working temperature of 248°F. The internal mechanism has steel gears hardened on the surface and bearings to reduce friction and support the magnets.

• Optional Accessories: sidetracks for mounting the blind inside the glass package. These provide spacing between the blind and inside surface of the interior pane of glass (low e coating protection). Holes are drilled in the sidetracks to allow inner glass package volume to access spacer bar desiccating material. Double-sided tape is affixed to the sidetracks, which also enables adhesion to the side spacer bars. Pins are located at the bottom of sidetracks that engage into holes on the sides of the bottom rail. This configuration holds the bottom rail in position.

Options Include:

Magnet operator location – left or right side

Magnet speed – standard. Cord length – 12, 20, 40, 60 inches

Color – 6 colors: White 0102, Off-white 0125, Almond 0149, Tan 0069, Silver 0157, Gold 3000

Magnet wand – magnet operator with acrylic wand (See Section III – Drawing 4).

Knob handle – knob method of tilting (See Section III – Drawing 5).

Spacer bar for headrail

Glass Package (IG) Supplier Scope:

Maintain ¾" air gap for blind operation, ensure width and height rectangular internal glass dimensions, install sidetracks and blind into IG package consisting of glass, box spacer, corner keys and sealant (provided by IG supplier). When installing the blind and sidetracks, the top and side spacer bars must be clean and free of desiccant dust. The side spacer breather hole(s) (if required) must be offset from the sidetrack tape for optimum internal moisture absorption. Identify materials and fabrication process to OEM to ensure compatibility with blind.

Ensure IG or replaceable glass package maintains the internal geometry necessary to allow slat rotation during environmental temperature and pressure excursions. Glass deflection (internal bending) must be limited to 0mm maximum to allow proper blind operation. Possible methods to relieve acceptable air gap include pressurization and/or the installation of capillary tubes.

The blind must be installed in the vertical position for proper slat tilt. The sidetrack bottom pins must engage the holes in the ends of the bottom rail.

Blind Characteristics

Pulling the cord in the right side tilts the blind. When initially pulling this side the slat will rotate closed with the slat crown facing outside. When initially pulling the left side the slat will rotate closed with the slat crown facing the inside. Small adjustments by pulling on the right and left side of the cord will enable optimum slat positioning. The force to tilt the blind is less than 10 Newtons.

Production Charts

The chart in Section III shows available/producible operating range (width and height, outside glass dimensions) of blind for glass thickness from .125" (1/8") to .250". Considering a ¾" air space, the minimum overall glass package thickness is 1 inch using 2 1/8" thick glass pieces.

The chart identifies, for the glass thickness range, the calculated maximum tension (blind weight) until slipping (loss of coupling) of the magnets occurs. A safety factor of 2.2 times the calculated weight is utilized to develop the charts.

Pricing and Delivery

The attached chart shows blind pricing for various widths and heights as measured by outside glass dimensions. Sizes beyond the identified range are not available.

Delivery is usually 3 weeks from receipt of order for all sizes.

Tolerances

- Size of blind is typically glass size less 7/8 inch for both width and height. This cutback is derived as follows and applies to both width and height. Spacer bar width 5/16 inch (quantity of 2) and sealant of 1/8 inch (both sides) for total of 14/16 = 7/8 inch. The spacer bar must have a thickness of 3/4 inch to maintain air gap. Sidetracks (if supplied) by OEM will be cut to internal pocket height less an allowance.
- For head rail dimension and for other spacer bar dimensions, contact OEM to ensure proper blind sizing.
- Height of cord loop is +3/8in, -3/4 in
- A space of approximately 1/8" is left each side between slats and spacer for a free movement of the system and to allow thermal transmission of the aluminum slats.
- The production tolerance is $\pm 0/-1/16$ for the width of the blind. The tolerance for the height of the blind is $\pm 3/8$ in/-0, consequently the bottom rail will engage the pins in the sidetrack with some slack and be slightly above the lower spacer bar.

Ordering Information

It is important to be precise when ordering. The following information must be provided.

- Colors 6 colors: White 0102, Off-white 0125, Almond 0149, Tan 0069, Silver 0157, Gold 3000
- Outside glass size (width and height)
- Operator location (left or right)
- Operator type (select from options in Section III)
- Cord loop length (select from standard sizes)
- Magnet speed (standard)
- Spacer bar utilized, sealant thickness (initial order)
- Internal glass used (Low-e); (initial order)
- Side tracks provided (yes or no); (initial order)
- Order form (Section V)

Confirmation and Tests

Testing has been performed by the following European Institutes: Rosenheim, Istitito Giordano and CSTB. These tests concern the optical characteristics of the blinds, energy reflection and absorption of double—glazing units with an installed blind and the hermetic sealing of units to minimize condensation (fogging) for increased life cycle performance. The blinds have completed ASTM E 774-97 testing in IG units for durability classification by the Insulating Glass Certification Council. Life cycle testing demonstrating over 10,000 tilting operations has been completed. Proper blind operation inside and IG unit has been demonstrated with the inside glass exposed to a temperature of 20°C and the external glass exposed to a temperature of -30°.

Installation Instructions SL20A with Side Guides

Ensure the wings of the sidetracks are on the same side as the head rail magnet mechanism. The magnet must be separated from the inside of the glass to allow unimpeded ability to rotate.

- General information work place clean and free from dust, handle blinds with care and cleanliness, do
 not contact the slats with sealant
- Receipt checking check the blind package for no damage, ensure all components are available, verify correct size

Summary of production steps (other alternative possible based on IG production techniques):

Assemble the spacer bars; ensure moisture absorbent material (such as desiccant) is loaded into the spacer bar. The desiccant will absorb moisture and eliminate the possible condensation (fogging) inside the glass package.

Position the spacer bar assembly on one side of the glass. Seal in an appropriate manner, avoiding potential contact between butyl and blind when installed. Ensure glass is not bent or bowing inward. While positioning the spacer bars on the glass be sure of their perfect parallelism (bent spacers would stop movement of the blind). The wing of the side guide must be turned on magnet's side. For low-e glasses avoid rubbing the blind on the glass or damage while handling.

Position the blind inside the spacer bar, preferably at the lower side. Install sidetracks as shown on the drawings. After ensuring side spacer is clean and free of desiccant dust or oils, press the sidetracks firmly against side spacer for good adhesive. Install the second pane of glass over the blind/side track and spacer bar. Ensure glass is flat and does not bend inward to impede blind operation.

Ensure a ¾" air gap and proper width and height of the package. Some techniques to be considered to maintain air gap are capillary tubes (pressure equalization) and a slight internal pressurization. IG producer to establish proper technique.

Seal the second pane of glass to the spacer bar.

- Checks
 - Position the double-glazing in a vertical position and check for parallelism of the glasses. Check for visual defects. Test the blind for operation using the external magnet. Raise the blind prior to moving the double-glazing unit.
- Transport
 Use special trolleys to position the unit vertically and with the blind on the lower side or side part.

INSTALLATION INSTRUCTIONS FOR THE SL20A TILT BLIND WITHOUT SIDE GUIDES

- 1. Install the blind into the IG spacer bar frame prior to mounting and sealing glass lites. With the box spacer frame pre-assembled. Attach the blind headrail to the corner key. You may want to turn the entire box spacer assembly upside-down to let gravity assist.
- 2. Without sideguide, drill a 4mm hole 9mm from bottom spacer bar. Drill approximately 9/32" deep hole through spacer bar into corner key. Insert tilt pin until ring on pin locks into place.
- 3. Manually lower the bottom rail of the blind. Slightly pull one of the side spacer channels away from the bottom spacer channel. This will allow the necessary clearance required to insert the pins into the end holes of the blind's bottom rail. Once the pins are inserted, push the side spacer channel back together tightly with the bottom spacer channel.
- 4. The blind is now ready to be sealed. Attach the two panels of glass to each side of the package, making sure the channels are square and evenly spaced with the edges of the glass. Apply sealant around the edge of the entire package.
- 5. Remove the adhesive strip for the outer magnet assembly and attach to operate.

SL20A TILT ONLY WITH INTERCEPT WITHOUT SIDE GUIDES

Installation Instructions

- 1. Assemble intercept spacer for required dimension.
- 2. Insert intercept clips every six inches along top of spacer system. Turn clips to lock into place.
- 3. Insert intercept covers down both side of intercept making sure the cover is snapped into the intercept system. You may also install the cover into the bottom of your system for a finished look.
- 4. Drill a 4mm hole 9mm from bottom of side covers. Insert pin making sure it locks into side covers.
- 5. With the blind in the closed position, snap the headrail onto the top mounting clips. (The tilt mechanism should face the inside panel of glass).
- 6. Lower the blind and insert the pins located on the bottom rail into the previously drilled holes near the bottom of the spacer system.
- 7. The blind is now ready to be sealed. It is critical that the 3/4" inside air space is maintained to insure proper blind operation.
- 8. Once sealed, the outer magnetic assembly can be installed.
- 9. Clean glass surface, remove adhesive strips and apply to the glass making sure the operator is aligned with the opening of the internal headrail.

Final Installation

Check the shape of the glass ensuring the ³/₄ inch air gap. If the internals are pressurized slightly, close off the supply and seal the unit after verifying free movement of the internal blind. Ensure the unit is positioned vertically for this check.

If the external magnetic operator with cord and tensioner are to be installed at this time follow the steps below:

Provide necessary space around the internal magnet to interface with the external magnet.

Position the external magnet after carefully cleaning the glass area where it will be placed. For proper operation, the external magnet must be perfectly interfaced with the internal one. Therefore, before removing the adhesive protecting film, position the external magnet on the glass next to the internal one. Verify smooth slat rotation of the blind. Then remove the film and position the external magnet on the glass following the magnetic attraction.

Position the cord tensioner, keeping the cord in tension. The operator tip on the cord tensioner should be positioned at approximately the line on the tensioner or slightly higher to keep the cord engaged. Excessive tension on the loop will hinder cord movement.

The right cord tilts the blind crown outward and the left cord tilts the crown inward. The movement of the external cord will have to be uniform: strong pulling on the cord could damage the internal blind components.

Operation

The Venetian blind regulates the amount of internal light and allows darkening in the case of strong luminosity. Darkness will not be total since the ladder tape separates the slats and the slats contain holes to allow for passage of the lift cords. A side space must also be provided to allow free tilting movement of the system and thermal dissipation of the aluminum slats. This space also allows for assembly tolerances inside the double-glazing.

Venetian blind manuals do not give corner closure values of the slats. They indicate, in the case of a closed blind, that an external observer outside the house watching in parallel inside through the closed venetian blind must not see any object inside.

In consideration for child safety requirements, a generic warning hangtag and/or operational hangtag will be attached to the cord loop.

Warranty

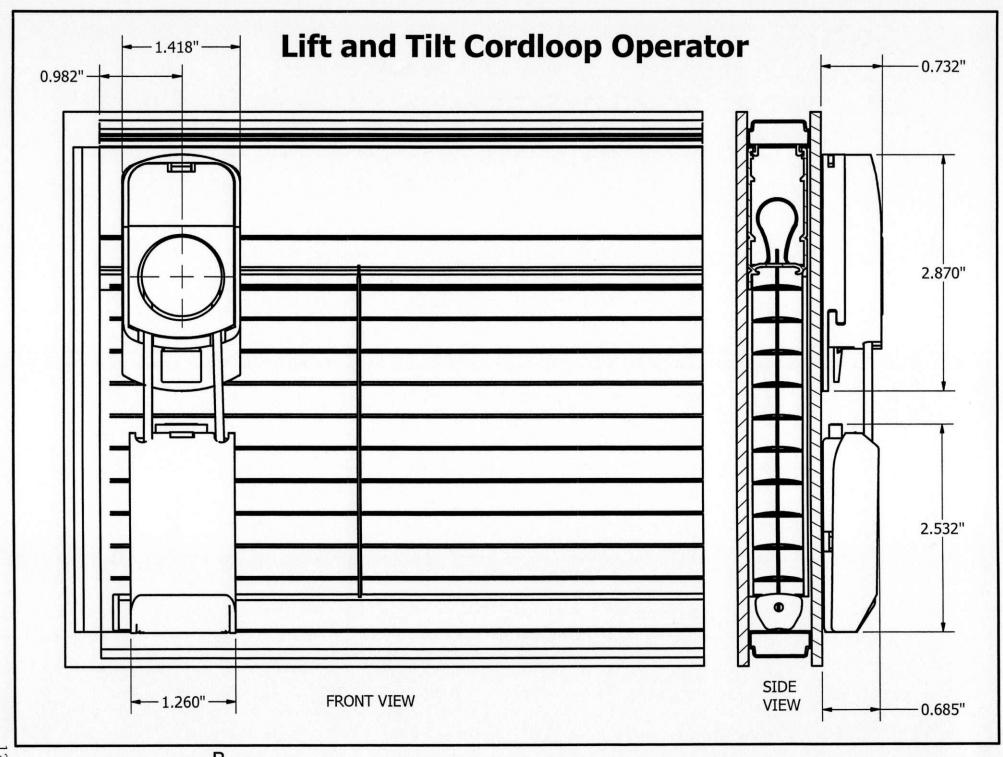
- Blind repair or replacement only:
 10 years when not exposed to greater than 220°F
- Outer cord loop 1 year
- Failure to install cord tensioner voids all warranties (a tensioner will be supplied with each blind if cord operator is used. All SL20A blinds will normally use a wand or knob operator. Therefore, a cord tensioner is not required).

Low – E glass is not recommended with blinds that raise and lower. The ladder tape stacks can possibly touch the coating on the glass surface and with time, the constant friction can wear on the coating. If Low – E glass must be used, use a hard coat Low-E (pyrolitic) along with side guides. Note this does not guarantee there will be no contact between the low – E glass surface and the blind.

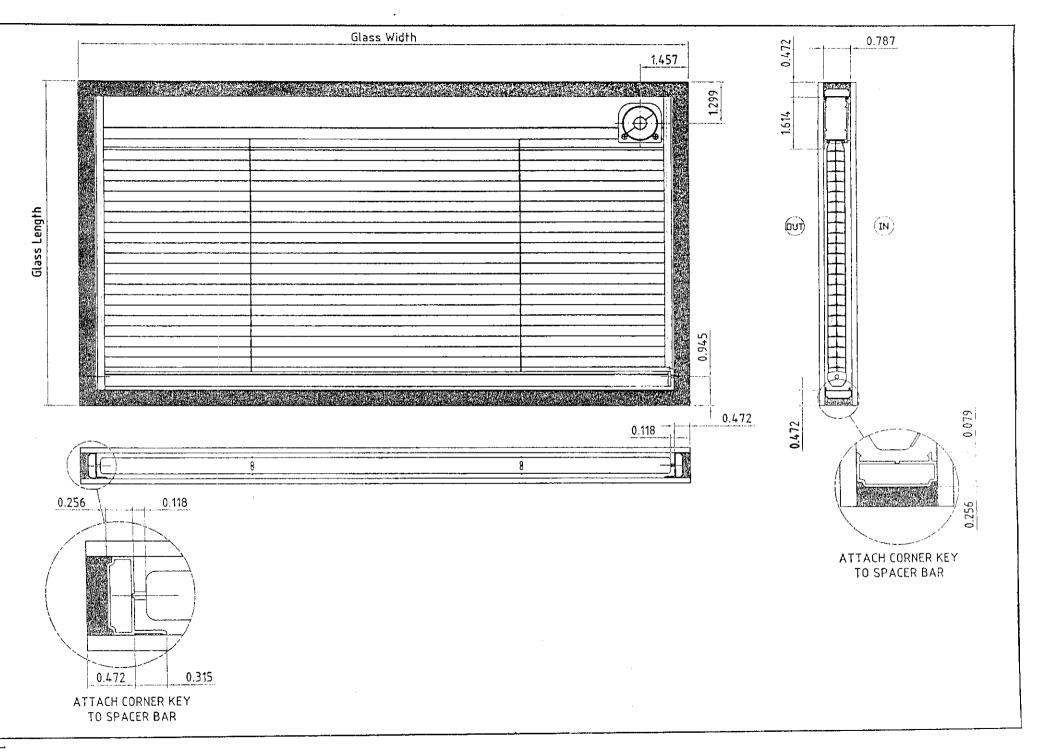
There will be less chance of contact between the blind and the Low E glass surface by using tilt only blinds.

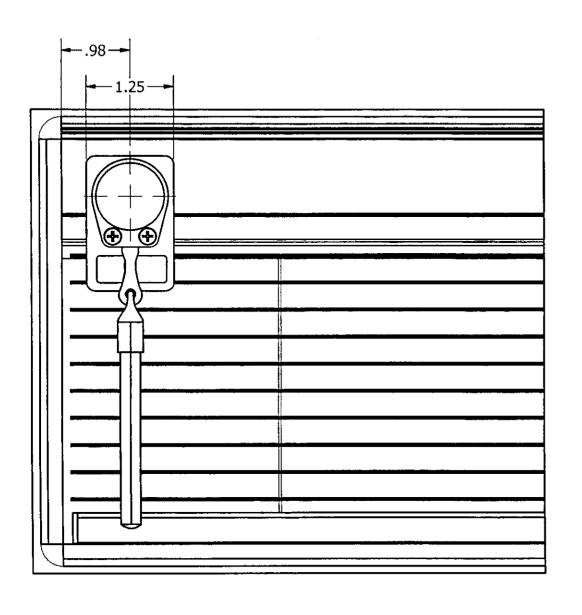
Section III

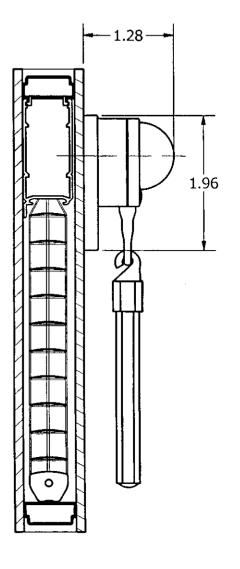
- SL20C Drawing
- SL20A Drawing
- Wand/loop External Control Assembly
- Wand External Control Assembly
- Knob External Control Assembly



В







This drawing is the property of OEM Shades, Inc., Ford City, PA, and is made available in CONFIDENCE. No permission is granted to reproduce, use, or disclose this drawing or any information or idea contained therein for any purpose, except as specifically authorized in writing by OEM Shades, Inc. This drawing and all reproductions thereof, shall be promptly returned to OEM Shades, Inc. on request.

DATE: 2/20/2009

REV: DR BY: CN GENERAL TOLERANCES EXCEPT AS NOTED 0"-5"; ± .005" 5"-12"; ± .01" ANG; ± 1°

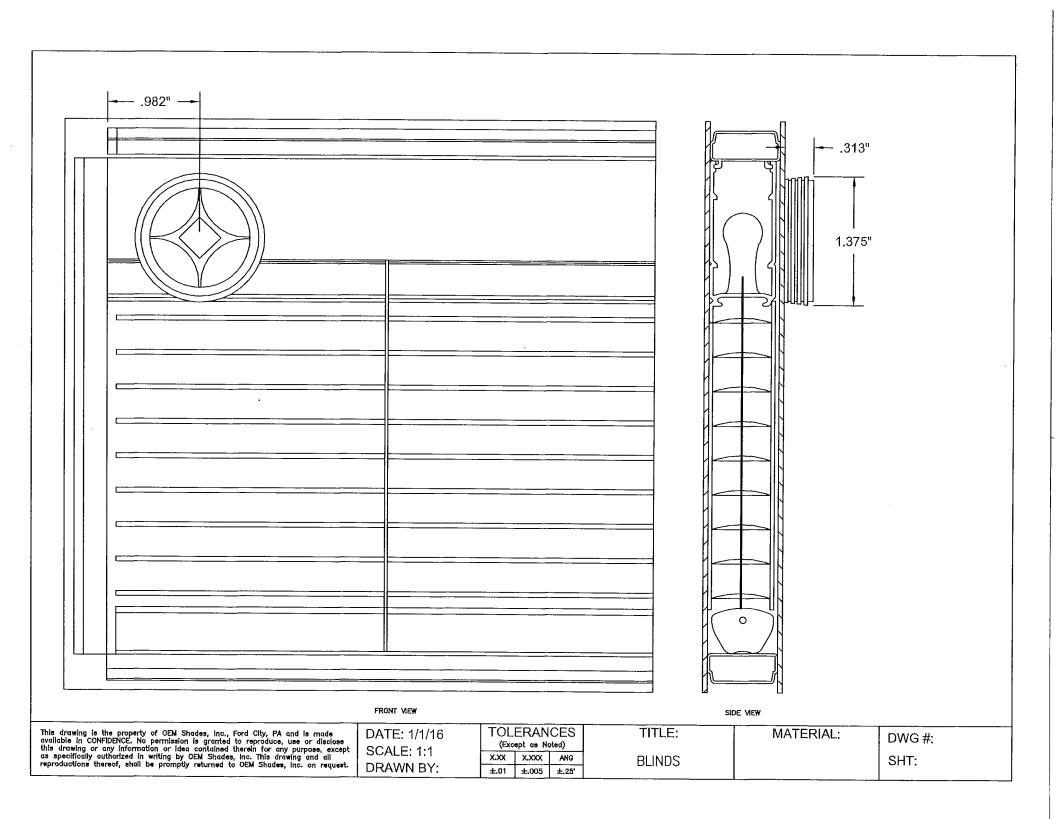
TITLE:

TILT WAND OPERATOR

MATERIAL

DWG#:

SHT: 1 /1



Lift and Tilt Blind Glass Thickness: 1/8"

Operator Magnet Speed: STANDARD

	Widi	h In Ir	nches	>																																
		12	14	16	18	20	22	24	26	28	30	31	_33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65	67	69	71	73	75 7	77 7	79
	12	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Y	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Y	Ÿ
ĺ	16	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	>	Υ	Υ	٨	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ
	20	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Y	Y	Υ
l	24	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Y)	Y
	28	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Y \	Y
. 1	31	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ_	Υ	Υ	Υ	Υ_	Υ	Υ	Υ	Υ	Υ	Υ	Υ		Y	Y
E E	35	Y	Υ	Υ	Υ	Υ	Υ	Y	Υ	Y	Υ	Υ	Y	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	<u></u>	1	Υ
n	39	Y	Υ_	Υ	Υ	Υ	Υ	<u> Y</u>	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	-	<u> </u>	Y
g	43			Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Y	Y			Y
t	47			Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Ť		Y
h	51			Υ	Υ	Υ	Y	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	_Y	Y	Υ	Υ	Y		Y	<u>Y</u>]
;	55			Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ.	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Y		_
'n	59		· -	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	_Y	Υ	Υ	Υ	Υ	Υ	Y		ightharpoonup	_	
	63				Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	_Y	Y	Υ	Υ	Υ	Υ	Υ_	Υ	Υ	Y	Υ	Υ	Y	Y	Υ	Υ	Υ	Υ					\perp	
1	67	l			Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Y	Υ	Υ	Υ	Y	Υ	Υ_	Υ	Υ	Υ	Υ	Υ	Υ	Y_	Υ	Υ								_
n	71				Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Y	Υ									
c h	75	1			Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Y	Y	Υ	Υ	Υ_	Υ_	Y								[_	\bot	
е	79				Υ_	Y	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Y	Y	Υ	Υ	Y	Y	Υ	Y	Υ	Υ					<u> </u>							_
s	82					Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Y	Υ	Υ													_
	86					Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ										1				\dashv	
	90					Y	Υ	Y	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Y	Y	Υ.	Y															_	_
	94					Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ.	Y	Υ	Υ	Y	Y	Υ	Υ																_
	98					Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ_	Υ	Υ	Υ	Υ	Υ	Υ											L				_	\dashv	
	102					Y	Y	Y	Y	Υ	Υ	Υ	Y	Y	Υ	Y	Y	Υ												<u> </u>				_	\dashv	_
	106			L		Υ	Υ	Υ	Υ	<u>Y</u>	Υ	Υ	Υ	Υ	Υ	Υ_	Υ	Υ					L							i						

Lift and Tilt Blind Glass Thickness: 3/16"

Operator Magnet Speed: STANDARD

<u> </u>	_		nches					F																												
	_	12	14	16	18	20	22	24	_	28			33	35	37	39	41	43	_	47	49	51	53	55	57	59	61	63	65	67	69	71	73	75 7	77 7	79
_1	2 `	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	_Y	Υ	Υ	Υ_	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Y	Υ	Y	<u> Y</u>	Υ	_Y	Υ	Y	Υ	Υ	Y	Y	Y	Υ
1	6 '	Υ	Υ	Υ	Υ	Y	Υ	Υ	Y	Υ	Ϋ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Y	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	YY	Υ
2	o] ¬	Υ	Y	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Y	Y	Υ	Υ	Υ	Y	Y	Y	YY	Υ
2	4	Υ	Y	Y	Y	Y	Ÿ	Υ	Υ	Υ	Υ	Y	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Ÿ	Y	Υ	Υ	Y	Υ	Y	Υ	Ÿ	YY	Υ
2	8 `	Ÿ	Y	Y	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	γ	Y	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	YY	Υ
3	11,	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Y	Υ	Υ	Υ	Υ	Y	Υ
3	5	ΥŢ	Y	Υ	Y	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Y	Y	Υ	Ŷ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Y	Υ	Y	Y	Υ	Υ	Y	Y	Υ	YY	Υ
3	9	Υ	Y	Y	Υ	Y	Υ	Υ	Υ	Υ	Y	Υ	Υ	Y	Υ	Y	Y	Y	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Y	Υ	Y	Υ	Y	Υ	Y	YY	Υ
4	3			Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y.	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Ÿ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	\top	
4	7	T		Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Y	Y	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Y	Y	Υ	Υ					╗
5	1		1	Y	Y	Υ	Ý	Υ	Υ	Υ	Υ	Υ	Υ	Y	Y	Y	Υ	Υ	Υ	Y	Ŷ	Y	Υ	Y	Y	Υ	Y	Y	Ÿ					\dashv	\top	\neg
5	5	丁		Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ							\dashv		
5	9			Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Ÿ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Ÿ	Υ	Υ	Υ											ヿ
6	3				Y	Y	Υ	Υ	Y	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Y					T						$\neg \uparrow$	_	
6	7				Y	Υ	Y	Υ	Υ	Υ	Υ	Y	Y	Υ	Υ	Υ	Υ	Y	Y	Υ	Υ	Υ			$\neg \neg$									$\neg \dagger$	_	\exists
7	1				Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Y	Υ	Υ	Υ	Υ	Υ	Υ																
7	5				Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ)												_		ᅦ
7	9	T			Υ	Y	Y	Y	Y	Υ	Υ	Y	Y	Υ	Y	Y	Υ	Y																		
8	2					Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ										-							-	\dashv
8	6					Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ				_													f	\top	ヿ
9	ō	7				Y	Y	Y	Υ	Υ	Y	Y	Υ	Y	Υ	Y										\neg								\neg	-	ヿ
9	4	寸				Υ	Υ	Y	Υ	Υ	Y	Y	Υ	Y	Ŷ																				十	┪
9	8	1				Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ																,				-	ヿ
10	2	_				Y	Υ	Y	Υ	Υ	Y	Υ	Y	Υ																					-	\dashv
10		\neg				Y	Y	Y	Υ	Υ	Y	Y	Y	Y																					\top	ヿ
h																					· · · · · · ·															

Lift and Tilt Blind

Glass Thickness: 1/4" Operator Magnet Speed: STANDARD

W			nches	>																																
		12	14	16	18		22	24	26	_	30	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65	67	69	71	73	75		
12	_	Υ	Υ	Y	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ		Υ
16		Y	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y		Y
20		Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ		Y	Y
24		Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y		
28	_	Y	<u> Y</u>	Y	Υ	Υ	Υ	Y	Υ	Υ	Υ	Y	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ				Ш	[
31		Y	Υ	Y	Υ	Υ	Υ	Y	Y	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ									
35		<u>Y</u>	Υ	Y	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ												
39		Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ														
43	3	\dashv		Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ]	Υ	Υ	Υ	Υ																
47				Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ																		
5′				Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ																L			
56		\Box		Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ																				
59	_	_		Υ	Υ_	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ																				\Box	
63					Υ_	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ																						
67					Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ																						\perp	
7					Y	Υ	Υ	Y	Y	Υ_	Υ	Υ	Υ																					Ш	\dashv	
75					Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ																						Ш		_
79					Υ	Υ	Υ	Y	Υ	Υ	Υ																					لــــا	ļ	Ш		_
82						Υ	Υ	Y	Y	Υ																							J			
86						Υ	Υ	Υ	Y	Υ																								\Box		
90						Υ	Υ	Y	Y															ļ												
94						Υ	Υ	Y	Υ																											
9						Υ	Υ	Υ]									
10:]				Υ	Υ	Υ																												
100	6					Υ	Υ	Υ																												

SL20A Tilt only Blinds Glass Thickness: 1/8" to 1/4" Operator Magnet Speed: STANDARD

Wic		inches	>																																
	12	14	16	18		22	24	26	28	30	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65	67	69	71	73	75	77	79
12	Υ	Υ	Υ	Υ	Y	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Y	Υ	Y	Υ	Υ	Υ	Υ	Υ	Y	Υ	Y	Y
16	Y	Y	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Y	Υ	Υ	Y	Y	Υ	Y	Υ	Y	Υ	Y	Y	Y	Y	$\overline{\mathbf{Y}}$	Y
20	Y	Y	Y	Υ	Y	Y	Y	Y	Υ	Υ	Υ	Y	Υ	Y	Y	Y	Υ	Υ	Υ	Υ	Υ	Υ	Y	Y	Υ	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
24	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Y	Y	Υ	Y	Υ	Υ	Υ	Υ	Υ	Y	Y	Y
28	Υ	Υ	Υ	Υ	Y	Υ	Y	Y	Y	Υ	Υ	Y	Y	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Y	Y	Y	Υ	Ÿ	Υ	Y	Y	Y	Y	Y	\overline{Y}
31	Y	Υ	Y	Y	Y	~	Y	Υ	Y	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Y	Y	Y	Υ	Y	Y	Y	Υ	Υ	Y	Y	Y	Y	Y	Y	Υ	Y
35	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Ÿ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Y	Y	Υ	Υ	Υ	Υ	∇	Υ
39	Y	Υ	Y	Υ	Y	Y	Υ	Y	Υ	Υ	Υ	Y	Y	Υ	Υ	Ÿ	Υ	Υ	Υ	Y	Y	Υ	Ÿ	Y	Υ	Y	Y	Υ	Y	Y	Ÿ	Υ	Y	$\overline{\mathbf{Y}}$	Ϋ́
43	Y	Υ	Υ	Y	Y	Y	Y	Ÿ	Υ	Υ	Υ	Y	Y	Y	Y	Υ	Υ	Y	Υ	Y	Υ	Υ	Y	Y	Y	Y	Y	Y	Y	Y	Y	Υ	Y	\mathbf{Y}^{\dagger}	Y
47	Y	Υ	Υ	Υ	Y	Y	Υ	Y	Υ	Υ	Υ	Y	Y	Υ	Y	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Y	Y	Υ	Υ	Y	Y
51	Υ	Υ	Y	Y	Y	Υ	Υ	Υ	Y	Y	Υ	Y	Υ	Y	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Y	Y	Y	Υ	Y	Y	Y	Y	Y	Y	Y	\mathbf{Y}^{\dagger}	Y
55	Υ	Υ	Υ	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Υ	Ÿ	Y	Y	Υ	Y	Y	Ÿ	Y	Y	Y	Υ	Y	Y	Y	Υ	Y	∇	Ϋ́
59	Υ	Υ	Y	Y	Y	Υ	Υ	Y	Υ	Υ	Υ	Y	Υ	Υ	Y	Y	Υ	Υ	Υ	Y	Υ	Y	Y	Y	Υ	Υ	Y	Y	Y	Y	Υ	Y	Y	\mathbf{Y}^{\dagger}	Y
63	Y	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Y	Y	Υ	Y	Y	Y	Y	Y	Υ	Ÿ	Y	Y	Y	Y	Υİ	Υ
67	Y	Υ	Υ	Ÿ	Y	Y	Υ	Y	Y	Y	Y	Y	Y	Υ	Y	Υ	Y	Y	Y	Y	Y	Y	Y	Ÿ	Y	Y	Y	Y	Y	Y	Y	Y	Y	$\overline{\mathbf{Y}}$	$\overline{\mathbf{Y}}$
71	Y	Υ	Y	Y	Y	Y	Υ	Υ	Y	Y	Y	Ÿ	Y	Υ	Y	Y	Υ	Υ	Y	Y	Y	Υ	Υ	Y	Υ	Υ	Y	Y	Y	Y	Υ	Y	Y	Y	Y
75	Y	Υ	Υ	Y	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Y	Y	Y	Υ	Y	Υ	Υ	Y	Y	Y	Υ	Υ	Y	Y	Y	Y
79	Y	Y	Y	Y	Y	Y	Ϋ́	Y	Y	Υ	Y	Y	Υ	Υ	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	ΥT	Y
82	Υ	Υ	Υ	Y	Y	Υ	Υ	Y	Υ	Y	Y	Υ	Y	Υ	Υ	Υ	Ŷ	Ÿ	Y	Y	Y	Y	Y	Y	Y	Ÿ	Y	Y	Υ	Y	Y	Υ	Y	\overline{Y}	Y
86	Y	Y	Υ	Y	Υ	Υ	Υ	Υ	Y	Ÿ	Υ	Y	Υ	Υ	Υ	Y	Υ	Ϋ́	Y	Υ	Υ	Υ	Y	Y	Υ	Υ	Y	Υ	Υ	Y	Ÿ	Y	Y	Y	Ÿ
90	Y	Y	Y	Y	Υ	Υ	Y	Y	Y	Y	Y	Y	Υ	Y	Y	Υ	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Ÿ	Y	Ÿ	Y	Ÿ	Υİ	Ϋ́
94	Y	Y	Y	Y	Y	Υ	Y	Υ	Y	Y	Y	Y	Ÿ	Υ	Y	Y	Υ	Y	Y	Y	Y	Y	Y	Y	Ÿ	Ŷ	Υ	Ÿ	Υ	Y	Υ	Υ	Y	Ϋ́T	Ÿ
98	Y	Y	Y	Y	Y	Υ	Y	Y	Υ	Υ	Υ	Y	Υ	Υ	Υ	Y	Y	Y	Y	Υ	Y	Y	Y	Y	Y	Ϋ	Υ	Ÿ	Ý	Y	Ÿ	Ÿ	Ÿ	ᄁ	Ÿ
102	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Υ	Y	Y	Y	Υ	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Ÿ	Y	Y	Ý	Ÿ	Ÿ		Ÿ
106	Ÿ	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Υ	Y	Y	Ÿ	Y	Y	Y	Ŷ	Ý	Y	Y	Ÿ	Y	Ÿ	Ÿ	Ÿ	Ÿ	Ÿ	Ÿ	Ÿ	Y		Ÿ
سمي سيد	<u> </u>	نبئتديال	<u> </u>	CARLOS SAN			<u></u>	لسسسا		·		لعينشيجا			······		استنسا	L				<u> </u>		لستسا		استسا			ا الله	للسنسا			للنسا	ـنــــــــــــــــــــــــــــــــــــ	لت

OEM Shades Inc - SL20 Series Blind Order Form

Sold To:				Sh	ір То:				OF	M Order No:
Name:				Name:						
Company:				Company:						
Address I:				Address I:	A					Date:
Address 2:				Address 2:						
City:				City:				· ··· ———		
• •	State/Prov.			Country:	,		tate/Prov			
Country:	Zip/Postal			-		Z	ip/Postal			
Telephone: ()			Telephone:						
Fax No.:(<u> </u>			Fax No.:						
PO Number:		Contac	ot.			Ship Via:			Date	
Telephone: ()	Date F	Required:			Job Name:			Rep:	
Operator Location: Left or F	(Specia	l Instructions/	'Notes: Si	idetracks with br	eather holes - c	circle one - YES NO)	
Operator Types: Cordloop		Tan 0102 White Offwhite 0149 Almond	1							
Loop lengths: 12", 20", 4			Produc				Other Options F	Per Brochure:		
	tandard.	Cold 0101 Sliver	11000-	et Options:	(SL20C) (SL S S	L20A) S				
6		Ciofellias	wayne			F	6:42	<u> </u>		
Quantity Product (Circle One)	Glass Width Glass Height	Sightline Deduction	Color	Operator Location	Operator Type	Operator Length	Side Tracks	Uni Pric		Extended Price
SL20A		1		Left	1	1	Yes			, ,
SL20C		1 Labora		Right			No			i 2=
SL20A SL20C	:	:		Left Right	;	,	Yes ¦ No	;		
SL20A				Left			Yes			er de verteinneren er
SL20C	i li accessoramento de la constitución de la consti	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Right	:	: !	No			· ·
SL20A	1	1		Left	(1	Yes			1
SL20C		1		Right		1 1	No			f
SL20A SL20C	1			Left Right	 	[Yes No	1 1		1
SL20A	is seems to consider the	· · · · · · · · · · · · · · · · · · ·		Left	—- · · · · · · · · · · · · · · · · · · ·	• · · · · · · · · · · · · · · · · · · ·	Yes	;		·
SL20C		1		Right		t 1	No	! !		1 1
SL20A	 	and the same and t		Left		1 •	Yes	1		
SL20C	k p	alaman and an and a		Right		!	No Yes			1
SL20A SL20C	1	1 1 1		; Left Right	! !	1 	, res No	1 1		
SL20A		a companyone		Left		4	Yes			
SL20C	,	1		Right	The second second second		No	1		
SL20A	1			Left			Yes	:		1
SL20C	1	1 1		Right			No ¦	,		•

All measurements given must be in inches.