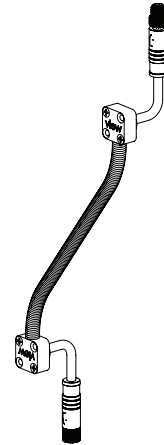
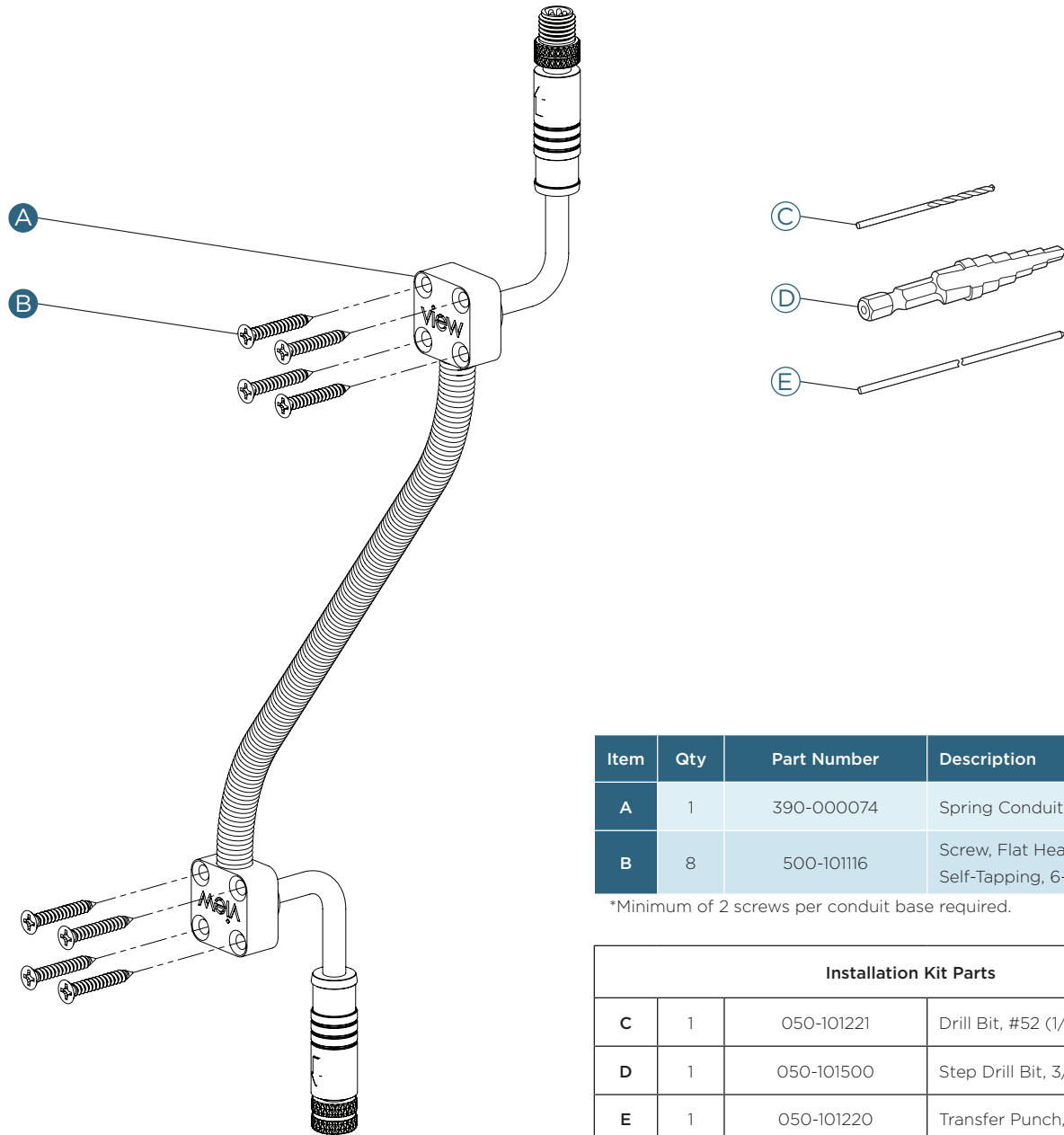


Spring Conduit

The Spring Conduit solution provides power and control to operable window units containing View Dynamic Glass. With this solution, an IGU cable can securely traverse between a window frame and the window unit while accommodating various types of hinge movements. Examples of applications include casement, tilt and turn, awning and hopper-style windows. The Spring Conduit installs on the hinged side of the window installation.



Parts Diagram

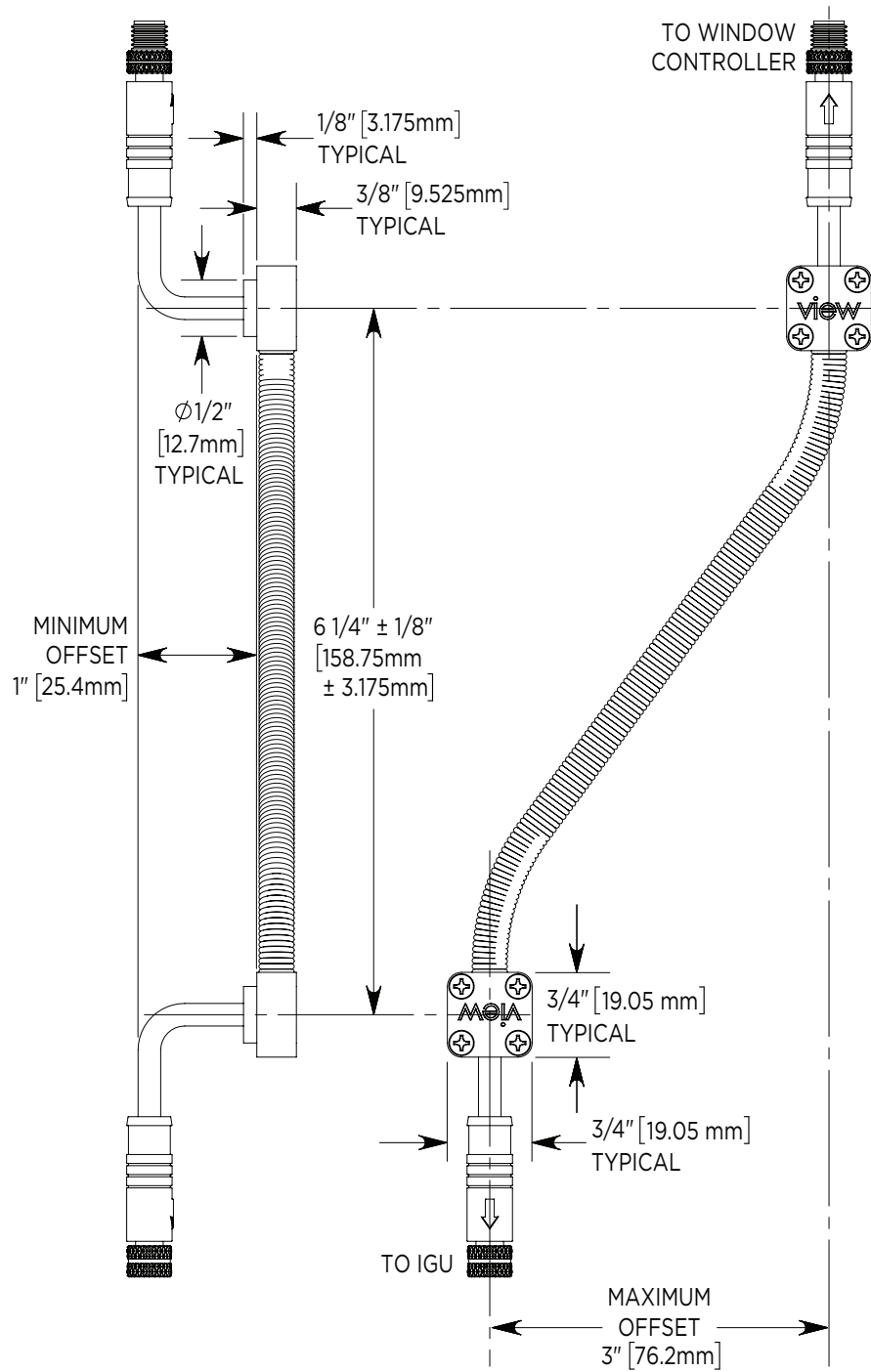


Item	Qty	Part Number	Description
A	1	390-000074	Spring Conduit
B	8	500-101116	Screw, Flat Head Phillips, Self-Tapping, 6-32 X 1.000*

*Minimum of 2 screws per conduit base required.

Installation Kit Parts			
C	1	050-101221	Drill Bit, #52 (1/16")
D	1	050-101500	Step Drill Bit, 3/16"-1/2"
E	1	050-101220	Transfer Punch, #29 (0.136")

Dimensions



Initial Length	6 1/4" ± 1/8" (as shipped, between pilot holes)
Installed Length	6 1/4" ± 1/8" (between pilot holes)
Maximum Offset	3" (for parallel offset installations)

Specifications

Initial Length	6 1/4 ± 1/8"
Installed Depth	3/8"
Window Offset	Minimum gap space of 3/8" between window jamb and window frame
Warranty	5 year warranty
Electrical	The Spring Conduit is a low voltage product and is only for use with View IGU cables and controllers manufactured by View Dynamic Glass. This product has IP rated connectors to transfer power and communication to and from the IGU.

Ordering Information

System Part Number	Description
390-000074-01	Spring Conduit Assembly* - Clear Anodized
390-000074-02	Spring Conduit Assembly* - Black Anodized

* Includes integrated IGU cable and mounting screws for metal window frames.

Installation Kit Part Number	Description
015-101376	See Installation Kit Parts List, Page 3

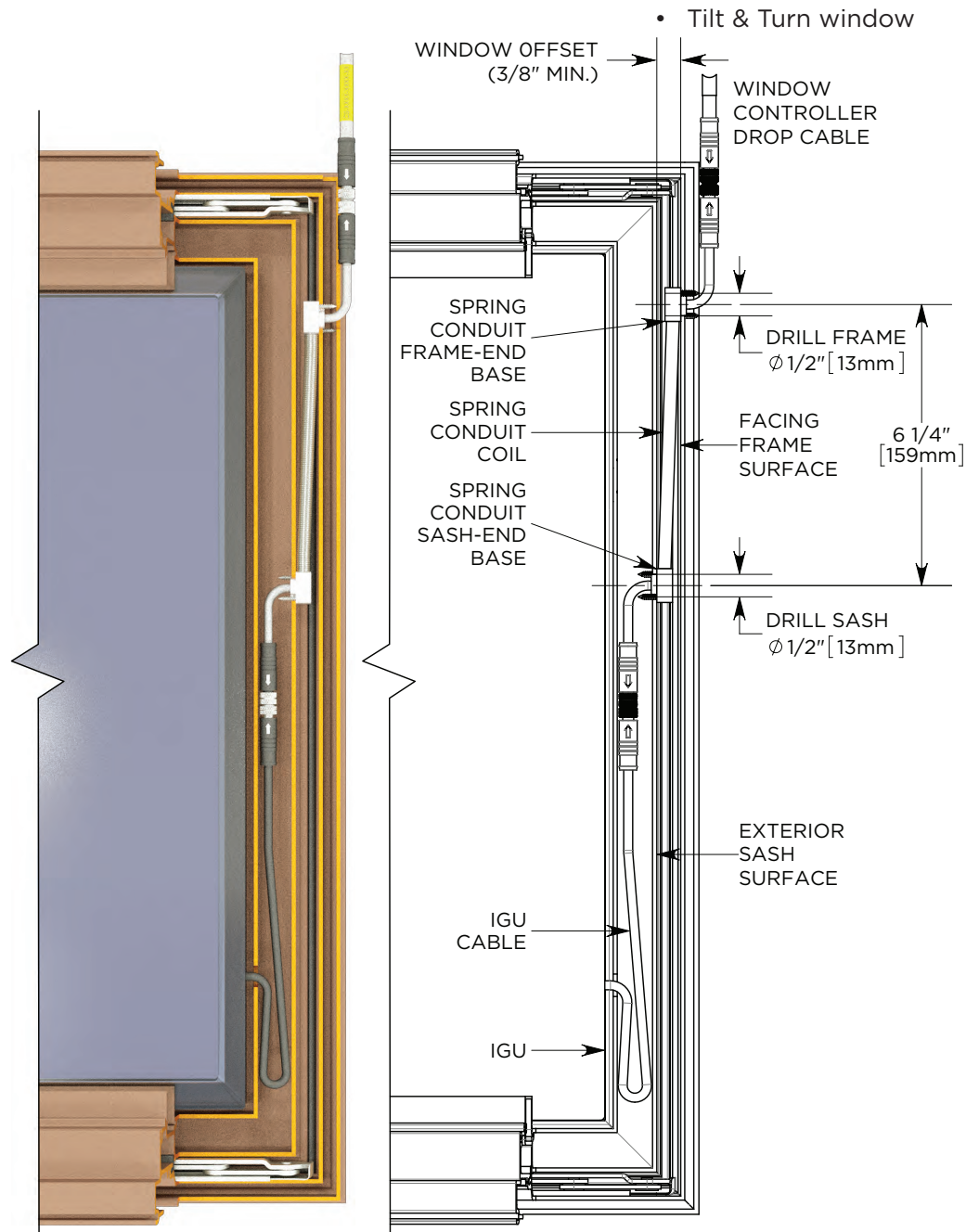
Step 1: Determine Locations of Sash and Frame Cable Transfer Holes

1. Prior to glazing or installation of the frame, determine locations for mounting the Spring Conduit to the window sash and frame based on the window type:

- Casement window
- Awning window
- Hopper window
- Tilt & Turn window

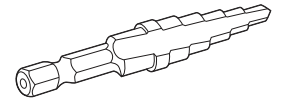
2. For windows $\geq 18 \frac{1}{4}$ inches hinged length, select a location ≤ 12 inches from the interior corner of the hinged sash stile or rail nearest the IGU Cable connection, and transfer this measurement to the exterior sash surface. For windows $< 18 \frac{1}{4}$ inches hinged length, select a location $\geq 6 \frac{1}{4}$ inches from the interior corner of the hinged sash stile or rail opposite the IGU Cable connection, and transfer this location to the exterior sash surface. Next, determine a center point equal to $\frac{1}{2}$ of the sash depth for drilling the sash cable transfer hole to access the IGU cable.

3. Transfer the sash transfer hole center point to the facing surface of the hinged frame jamb, extend the measurement $6 \frac{1}{4}$ inches, and determine a center point equal to $\frac{1}{2}$ of the jamb depth for drilling the frame cable transfer hole to access the Window Controller drop cable.



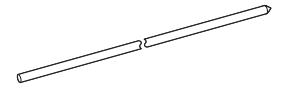
Step 2: Drill Cable Transfer Holes in Sash and Frame

Drill 1/2" cable transfer holes in the the sash and frame using STEP DRILL BIT (D).



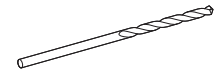
Step 3: Mark Locations of Spring Conduit Sash and Frame Screw Mount Holes

1. Insert Spring Conduit cable and sash-end base into the sash cable transfer hole, and position the unit parallel to the rail or stile as per the final assembly.
 - Mark drilling center points for screw mount holes using TRANSFER PUNCH (E) and mallet.
 - Remove Spring Conduit from sash.
2. Insert Spring Conduit cable and frame-end base into the frame cable transfer hole, and position the unit parallel to the jamb as per the final assembly.
 - Mark drilling center points for screw mount holes using TRANSFER PUNCH (E) and mallet.
 - Remove Spring Conduit from frame.



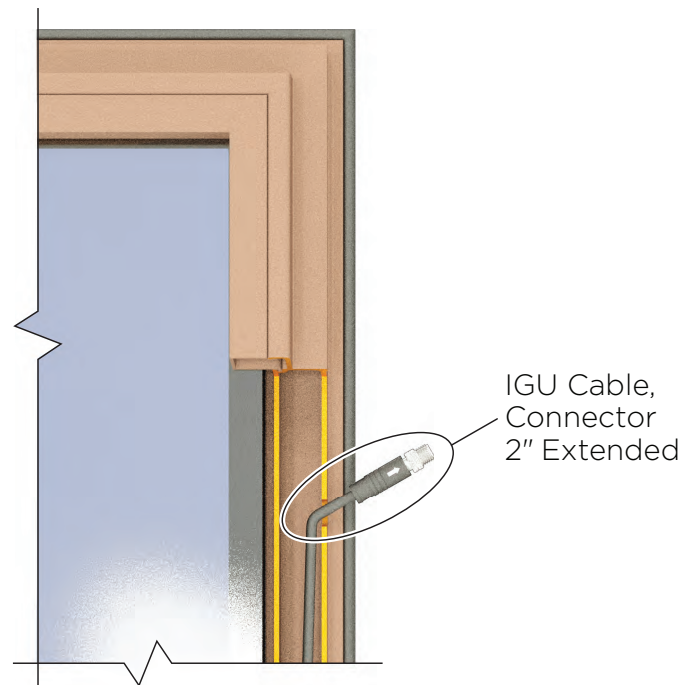
Step 4: Drill Spring Conduit Sash and Frame Screw Mount Holes (Metal Sash/Frame Only)

Drill 1/16" screw mount holes in sash and frame using DRILL BIT (C).



Step 5: Mount IGU Sash to Frame and Complete Spring Conduit Installation

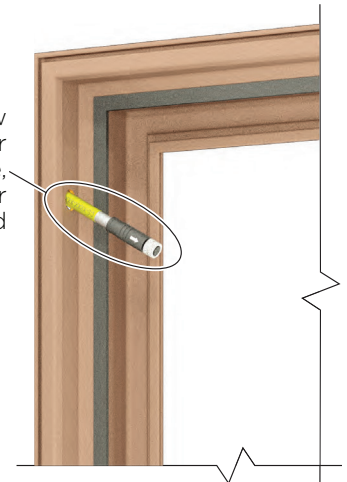
1. Pass approximately 2" of the IGU cable and connector through the sash cable transfer hole.
2. Complete assembly of the IGU sash.
3. Position sash relative to frame and secure hinge connections.
4. Connect Spring Conduit sash-end cable to IGU cable.
5. Pass the connected cables through the cable transfer hole, and insert Spring Conduit sash-end base into the hole.
6. Secure Spring Conduit to sash using SCREWS (B).



Step 6: Mount Spring Conduit to Frame

1. Pass approximately 2" of the Window Controller drop cable and connector through the frame cable transfer hole.
2. Connect Spring Conduit frame-end cable to Window Controller drop cable.
3. Pass the connected cables through the cable transfer hole and insert Spring Conduit frame-end base into the hole.
4. Secure Spring Conduit to frame using SCREWS (B).

Window
Controller
Drop Cable,
Connector
2" Extended



Step 7: Test Spring Conduit Installation

1. Open and close window to test operation and check for full range of motion.
 - Spring Conduit should not stretch beyond the 3" maximum off set length in any position (see page 3).
2. Confirm minimum 3/8 inch window off set (see page 5).
 - Spring Conduit should not fully compress or coil bind in any position.
 - Spring Conduit coil should not contact sash or frame in any position.

