

Commercial Hinges

Performance and Maintenance

Environmental Constraints

- Normal operating conditions for all hinges are:
- Operating temperature range -20°C to +60°C
- Operating humidity range 10% Relative Humidity to 95% Relative Humidity
- The materials used will not degrade due to ultra violet light, or when using neutral acidity non solvent cleaning chemicals, at a rate faster than other parts of the window assembly.

Maintenance and Lubrication

- As with most mechanical devices, hinges require periodic maintenance and lubrication. The hinge in general and particularly the pivots, sliding shoe and track must be kept free from dirt, debris and any obstructions at all times.
- At Time of Installation - Lubricate all pivot points with light machine oil and wipe away excess, one drop per pivot is sufficient. We suggest one of the following lubricants or equivalent:
 - a. General light engineering oil
 - b. Castrol Everyman (available in aerosol can for convenience)
- Every Five Years - Carry out the following checks every five years:
 - a. Clean any dirt or debris from the hinge and clear any obstructions from the pivots, sliding shoe and track.
 - b. Apply lubrication as detailed in above.

Hinge Operating Life

- To attain optimum operating life all criteria listed above under; environmental constraints, vent sizes weights and opening angles, and maintenance and lubrication must be adhered to.
- STERLING® hinges will function for up to 30,000 cycles when top and side hung under normal conditions of use. All Sterling STORM® hinges will function normally for up to 10,000 cycles under normal conditions of use. This performance is subject to compliance with SECURISTYLE® installation and maintenance instructions.