

## PRODUCT TIPS

1. To keep the Skylight operator operating efficiently and trouble free, we recommend that the operator chain be lubricated once a year with a spray silicone lubricant.
2. The secret to a successful pole operated Skylight is to minimize the approach angle of the pole to the Skylight operator. This is most easily accomplished by using a Straight Drive whenever pole operation is required. To figure the minimum angle of approach for a straight drive and a given pole system, subtract the maximum operational angle of a given pole system from the roof pitch. For an angle drive, do the same as with the straight drive and add 34 degrees. Pole length, Skylight height, and room layout will then determine what approach angle is needed for a particular application.
3. The design of the Straight Drive does not allow a handle or hand knob to be applied directly to it. If it is desirable to operate a straight drive with a handle or hand knob, a handle extension can be used as an adapter.
4. For accurate hardware placement in vinyl or metal applications, pre-drilling of the window profile is recommended.
5. For metal window profiles, we recommend stainless-steel machine screws. However, in most applications, stainless-steel sheet metal screws will provide adequate holding power.
6. For easy operation of a Hook or Hex Ball Pole, the operational angle between the pole and the window operator must not be exceeded.

## ARCHITECT SPECS

Skylight operating hardware should be suited for roof windows, and skylight installation for wood, PVC, and metal market. Skylight hardware shall be provided with a special high quality gear reduction (high output torque) to meet required maximum sash weight of 140 lbs. (63.6 kg.), unit to be constructed of high-pressure zinc diecast case with phosphate finish, electrostatically painted and oven baked. Hardware to be complete with steel chain, sprocket, and detachable sash bracket. The steel chain design must include interlocking solid, and u-links riveted in such a manner as to result in no more than .375" (9.5 mm) - .625" (15.9 mm) deflection. The chain sprocket shall be hardened steel and an acetal chain

guide must be provided. Skylight hardware to be available with various means of control such as angle drive, straight drive, or motors.