



# Roto North America

Excellence in Window & Door Hardware



## X-DRIVE Evolve: Heavy Duty Casement Hardware System

### X-DRIVE HG06 Heavy Duty Hinge

- Premium hinge (14" variant) accommodates sashes up to 200 lbs
- Fits in a common 7/16" cavity available in most windows and provides 4mm of adjustment
- Suitable for wood, vinyl, and fiberglass profiles
- Available in 300 Series stainless steel and powder coat variations
- High-Strength and Low-Wear "Shoe" provides greater stability for heavier weights
- Proprietary low friction coating applied to hinge track reduces operating force
- Flared track entrance promotes easy sash assembly



### X-DRIVE 14.5" Face Mount Track

- Low friction materials in track and shoe allows sash to glide smoothly and efficiently.
- The track is offered in either powder coated steel or 300 series stainless steel. The stainless steel track offers superior corrosion resistance.
- The slider is co-molded with a 300 Series stainless steel insert and connecting pin.



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### X-DRIVE Heavy Duty Operator

- Utilizes Roto’s Existing X-Drive Operator System, satisfying or exceeding AAMA industry standards
- Automated assembly and patented laser technology assures precise and consistent quality
- Provides additional support to the sash while reducing operating force at the crank handle
- Installs in standard cutout location
- Available in 300 Series stainless steel or powder coat finish
- Two directional fixing standard on all operators
  - Secures the operator in two planes for a solid connection
  - Pulls in the operator for an optimum seal
  - Helps reduce water and air infiltration



### X-DRIVE Casement Hardware Combination Table

Heavy Duty versus Standard Use

Sash Weight	Operator	Hinge
200 lb	Heavy Duty	Heavy Duty
185 lb	Heavy Duty	Heavy Duty
175 lb	Standard	Heavy Duty
150 lb	Standard	Heavy Duty
125 lb	Standard	Heavy Duty
100 lb	Standard	Standard
75 lb	Standard	Standard
50 lb	Standard	Standard
25 lb	Standard	Standard

Maximum sash sizes to be taken into consideration, please refer to the applications matrix