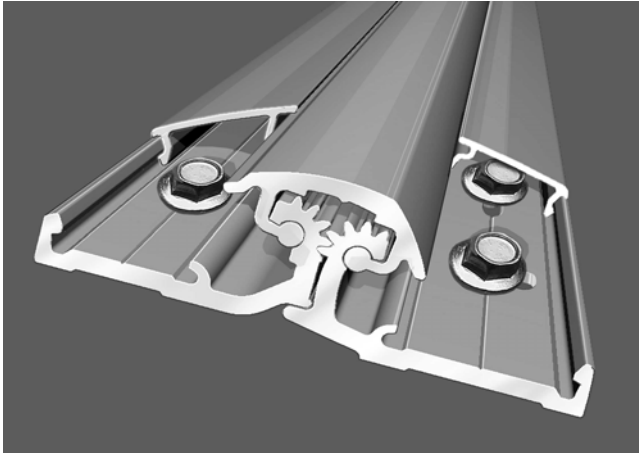


VARYX™ 100

VARYX™ 100 is a heavy-duty, easy-to-install full surface continuous hinge that can be used on standard hollow metal, minimum reveal, narrow-faced frames, and/or narrow stile aluminum doors. This hinge allows ***all vertical and lateral clearances to be adjusted after the hinge is mounted to the door and frame.*** **VARYX™** reduces installation time to a fraction of that required to repair existing openings with any other hinge. ***The door never leaves the opening*** and no thru-bolt drilling is required.



Extending proven continuous gear hinge technology, **R2's** new channel design securely keys bearings to the cover and to each other to eliminate the internal twist and scrubbing that can destroy conventional geared hinges. Every **VARYX™** hinge features the **FOCUS™** bearing system, with all bearings centered at the mid-height of the hinge where they are most effective in supporting the heaviest doors. **FOCUS™** delivers maximum lateral strength at the top and bottom of the door where it's most needed while allowing the hinge to flex with bowed doors and frames without binding. Best of all, **FOCUS™** enables easy on-site trimming without cutting off bearings or compromising **VARYX™ 100** load-carrying capacity.

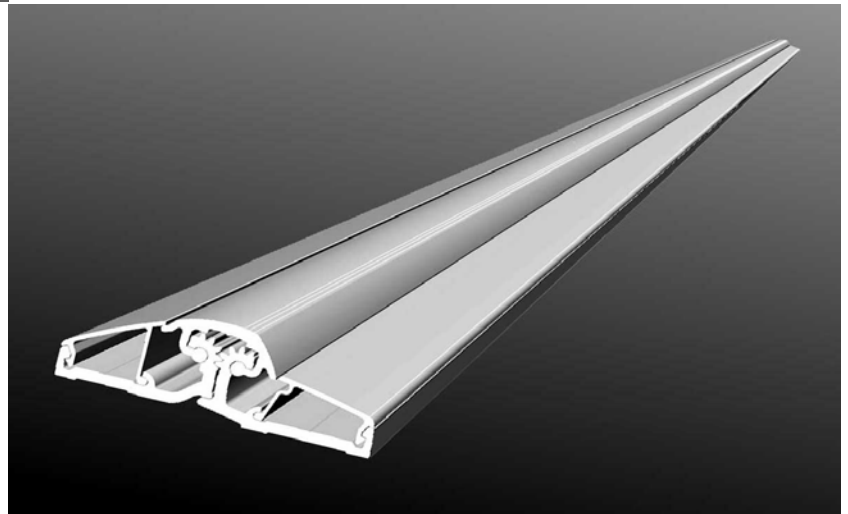
Heavier extrusions and efficient machining build extra strength and security into every hinge. **R2's** exclusive interlocked leaf construction adds tamper and impact resistance and provides a better weather seal with more energy savings than any other continuous geared hinge.

VARYX™ 100 Standard Configuration

- Material: 6063T6 Extruded Aluminum
- Full surface hinge with 1/16" door inset
- 83", 95" or 119" lengths
- 37 twist-resistant, self-lubricating centered bearings
- Tamper-resistant interlocking leaves
- Hardened and plated #12 hex head self-drilling screws
- For single doors, double doors or door arrays.
- High performance to 250 lbs, maximum 4' width

Optional Features

- Custom finishes to match other hardware
- Custom lengths, spliced over 10'
- Dutch doors



Architectural Specification

Door hinge to be **R2 VARYX™ 100**, manufactured of 6063-T6 aluminum, non-handed and anodized to a specified finish. The hinge shall be a pinless assembly of three interlocking extrusions applied to the full height of the door and frame. The door leaf and jamb leaf shall be geared together by the extruded profiles and joined by a cover channel. The leaves shall be equipped with interlocking ridges, separate from the hinge joint, to reduce air infiltration and add tamper and impact resistance. Vertical door loads shall be carried by a minimum of 37 individually molded bearings that are grouped and centered at the mid-height of the hinge and keyed to each other and to the cover to prevent twist. Hinge installation sequence must provide for vertical, lateral and angular adjustment of the door. Hardened and plated #12 fasteners provided shall be proportionately spaced along the full length of the hinge and covered by full-length moldings which interlock to the door and frame leaves to form a pocket-free contour across the width of the hinge.



Installation and Warranty

Installation to be performed in accordance with manufacturer's installation instructions, with a "life of the opening" warranty against defects in workmanship or materials.