

8450FM/8455FM Soft-Close, Sidemount Drawer Slides Force Management™ Technology

8450FM/8455FM Enhancements

Collector increases closure performance

Optional rear mounting hole increases mounting options

Additional structural ribbing increases durability



Rear Mounting Hole

Reinforcement Ribbing

Center Member Collector



Force Management™ Technology

The next generation of Soft-Close from Knapé & Vogt®



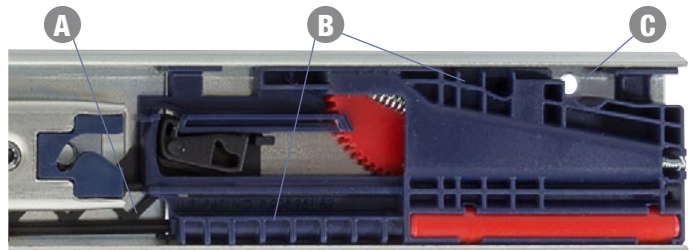
Force Management™ Technology

Force Management™ (FM) from Knapé & Vogt® is the next generation of soft-close drawer slide technology. It establishes a new standard in soft-close functionality by delivering superior performance in dampening action, effortless drawer opening and smooth operation.

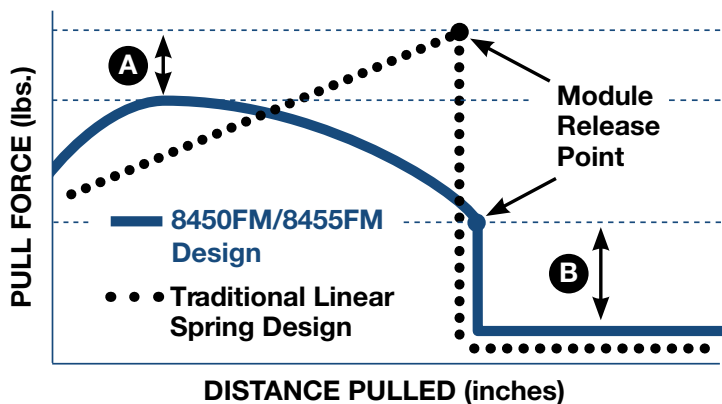
The 8450FM/8455FM slides, built on the time-tested KV 8400 slide platform, include a patent-pending Force Management™ module that utilizes an innovative rack and gear system. This system places mechanical forces where they are needed to significantly reduce the effort to open a drawer and deliver a smooth and easy drawer closure.

Enhancements

8450FM is an innovative Center Member Collector with Spring Cushion (A). This innovative feature improves closure performance by forcing the drawer member to close before the Soft-Close feature is engaged, reducing friction and noise. Structural Reinforcement Ribbing (B) has also been added to the module to improve overall module strength. A Rear Mounting Hole (C) has been added for an additional level of installation support.



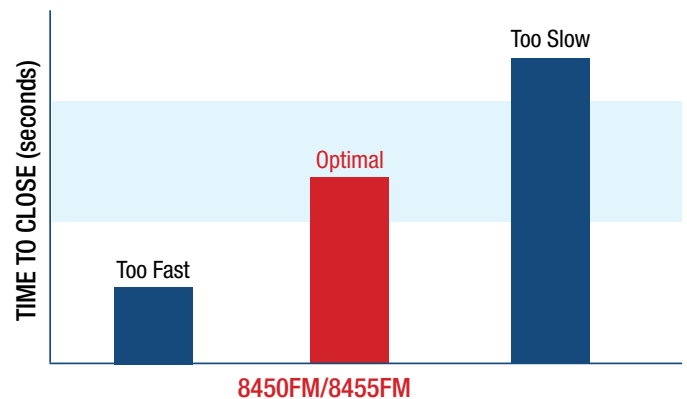
Soft-Close Module Force Curve



A A lower peak pull force - makes the 8450FM/8455FM soft-close slides easy to open.

B The 8450FM/8455FM soft-close slides have a significantly less drop off force at the module release point - giving a smoother opening performance than traditional linear spring designs.

Soft-Close Dampening Effect

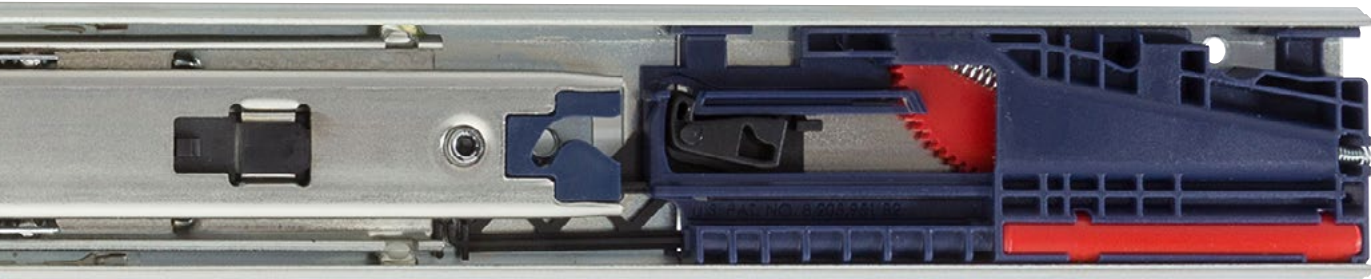


- 8450FM/8455FM soft-close slides close at optimal speed due to the perfect balance of the dampening and spring forces.
- Slides that close too fast have little to no dampening effect.
- Slides that close too slow have poor closure performance.



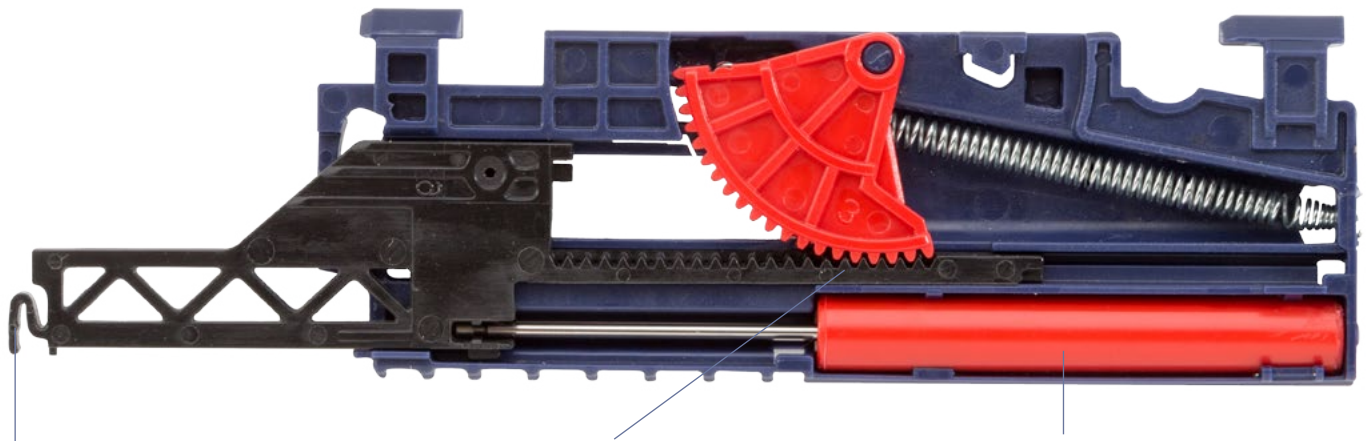
8450FM/8455FM

Soft-Close, Sidemount Drawer Slides



Features & Benefits

- Innovative Soft-Close Module with Force Management™ Technology
- 1/2" side clearance, no set-up change from KV 8400 or KV 8450
- **8450FM:** Full-extension 100-pound class rated (in 12" to 28" lengths)
- **8455FM:** 1" Overtravel 90-pound class rated (in 16" to 28" lengths)
- Non-handed slide design allows for easy, flexible installation
- Push-in lever disconnect allows for easy drawer removal
- Traditional and 32mm hole patterns allow for easy, flexible installation on framed and frameless cabinetry
- Three ball bearings per inch and polymer stop cushions aid with smooth, quiet operation of the slide
- Ball retainer latch and ramps allow for easy drawer insertion
- 40 stocked SKU's available: Offered in bulk/poly packs and Anochrome/Ebony Black finishes
- Backed by the exclusive Knap & Vogt Limited Lifetime Warranty



Center Member Collector

The Center Member Collector forces the drawer member to close before the soft-close module is engaged, reducing friction and increasing closure performance. It also includes an Integrated Spring Cushion which helps reduce the "thunk" when closing the drawer.

Rack & Gear System

The rack and gear system is the center of the Force Management™ module design and is superior to common linear spring designs. The system creates a mechanical advantage that puts higher forces at the closure point and less forces at the point of module release. The result is better closing performance and a smoother opening.

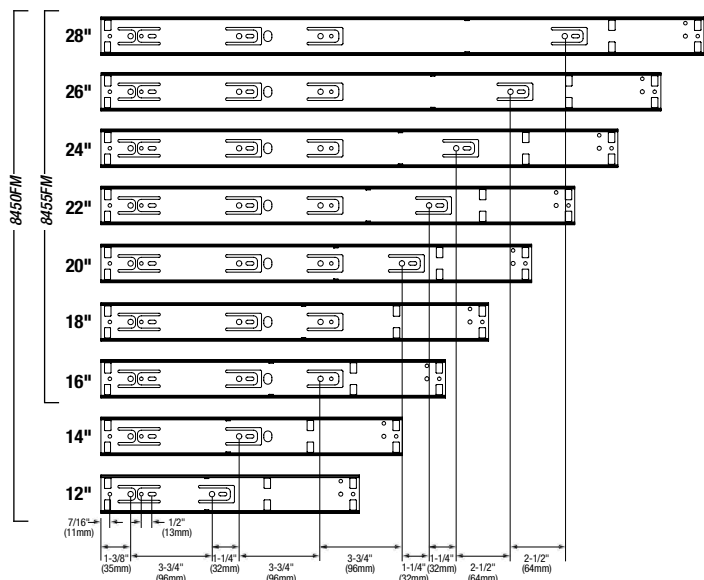
Hydraulic Dampener

The 1.5" (38mm) hydraulic dampener is one of the longest in the industry. When paired with a matched spring design, it slows the drawer closure to avoid bouncing and slamming. The spring tension ensures a complete and secure closure every time.

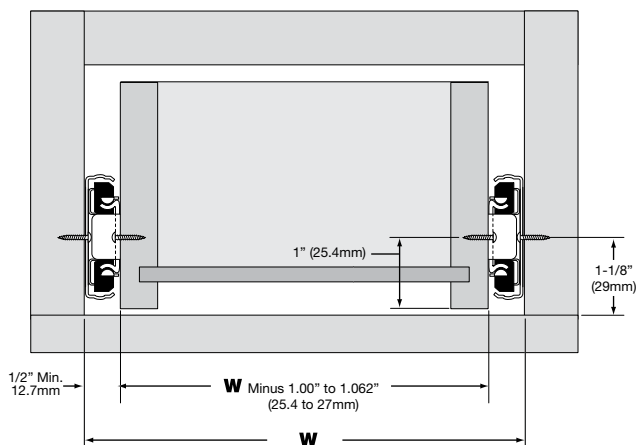
8450FM/8455FM

Technical Information

Cabinet Member Dimensions



Installation



NOTE: 8450FM/8455FM track members are not interchangeable with previous versions of 8450/8455.

Accessories



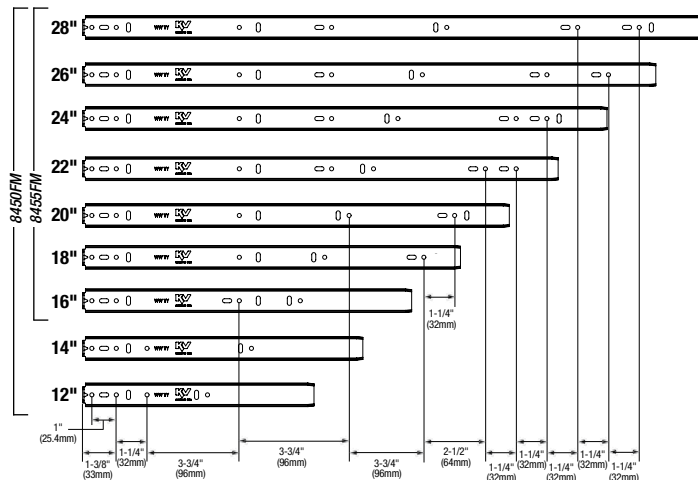
8403 Rear Mounting Bracket



8404 Front Face Frame Bracket

Like all KV drawer slides, 8450FM/8455FM Drawer Slides are designed to meet or exceed ANSI performance standards as established by KCMA, BHMA and BIFMA and are backed by a Limited Lifetime Warranty. Knape & Vogt reserves the right to change product specifications at any time without notice and without incurring responsibility for existing units.

Drawer Member Dimensions



Specifications

- Models**
 - 8450FM** Full Extension Soft-Close Drawer Slide
 - 8455FM** 1" Overtravel Soft-Close Drawer Slide
- Mounting** Side mounting for frame and frameless construction
- Clearance** 1/2" plus 1/32" minus 0" each side
- Max. Width** 24" drawer
- Load Rating**
 - 8450FM:** 100-pound class
 - 8455FM:** 90-pound class
- Height** 1-13/16"
- Finishes** Anochrome (ANO), Ebony Black (EB)
- Action** Telescopic movement on precise steel ball bearings
- Additional Features**
 - Soft-Close module with Force Management™ technology
 - 32mm hole pattern with direct access mounting and adjustment
 - Center Member Collector increases closure performance
 - Lever disconnect for easy drawer removal
 - Ball retainer latch and ramps for easy drawer insertion
 - Drawer adjustment without removal
 - Metal ball retainer holds three bearings per inch of race for smooth and quiet motion
 - Polymer stop cushions, non-handed design
- Sizes**
 - 8450FM:** 12", 14", 16", 18", 20", 22", 24", 26", 28"
 - 8455FM:** 16", 18", 20", 22", 24", 26", 28"
- Packaged**
 - Bulk pack (8450FM B/8455FM B):** 10 sets per carton, no screws one instruction sheet
 - Poly pack (8450FM P/8455FM P):** One set per poly bag with screws and instruction sheet. 10 sets per carton.
- Accessories**
 - 8403 Rear Mounting Bracket (Zinc):** Non-handed snap-on design; 2-3/4" maximum adjustment
 - 8404 Front Face Frame Bracket (Black or Zinc):** Non-handed snap-on design; fits all KV 8400 series products
- Applications** Designed for applications in the 100-pound/90-pound class with drawer box widths up to 24". Consult KV for verification testing service of your specific application.

