

The World's First
**Electric-Free
All Mechanical
Design**

1A88

**PUSH-OPEN WITH
SILENT SOFT- CLOSING
UNDERMOUNT SLIDE**



- **World's first electric-free all-mechanical design to achieve push-to-open with silent soft-closing drawer slide function.**

Technical Description

(1) A revolution of slide structure

The common structures of slides are roller and ball bearing. The roller slide, as its name implies, consists of four directional rollers. This design has the advantage of smooth gliding and strong stability in vertical and horizontal direction. However, it requires high precision in manufacturing and the inherent design flaw often creates a shifting of balance when the drawer is operating. The shifting of balance will often cause the drawers to be either too tight or too loose causing inconveniences. The ball bearing slides use steel balls as rolling intermediaries to create the sliding motion. It's has a more lenient manufacturing requirement because the size of the balls can be altered to fit different designs. Also, because there's less space between the balls compared to roller slide structure, there will not be a shifting of balance. However, the ball bearing structure will create more noise. Also, the steel balls are often too hard to the slides while plastic balls are too soft, causing a slightly more unstable horizontal movement.

King Slide's slides are the best of the two. It uses roller in the inside and ball bearing on the outside. It combined the benefits of both while solving any disadvantages known. Not only is the structural design simpler, its performance has also improved. The special design of the middle and outer segments also enhanced the integrity of the slides. This combination greatly reduced the shifting of balance problem and increases the overall stability of the slides.

(2) A revolution of slide function

World's first and only all-mechanical design combines push-to-open and self-soft-closing technology in an under mount slide. The drawer will only open upon a light push, avoiding accidental opens that's common in sensor-based drawers. The self-soft-closing design uses hydraulic damping system, which is the best in absorbing shocks and made silent-closing possible. Its special characteristic also allows for ultra smooth gliding motion of the drawer.

(3) More flexible and ergonomic usage

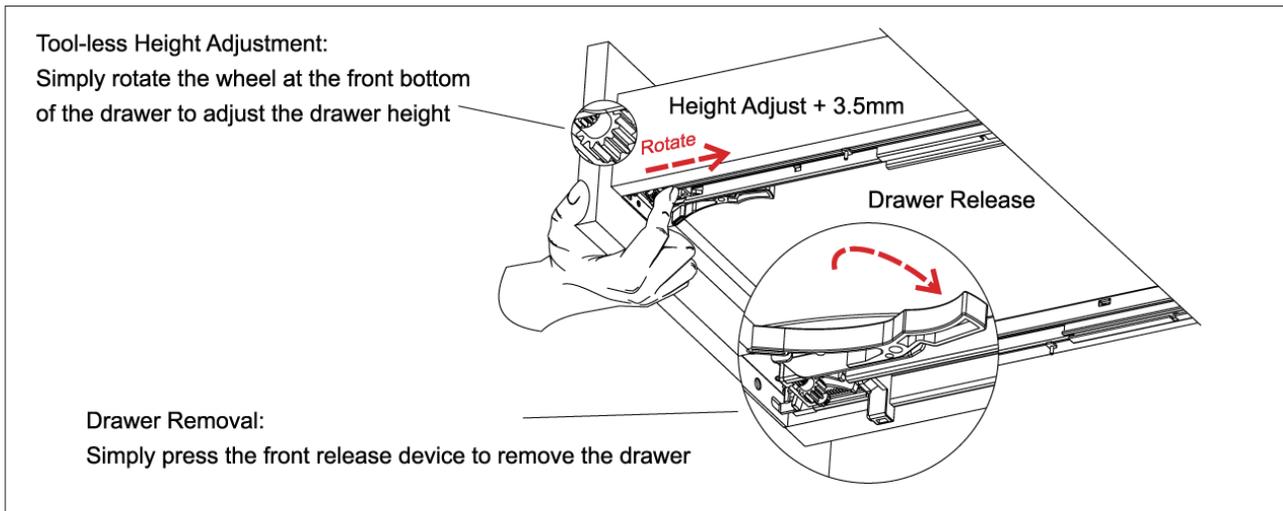
When installing slides, user often cannot achieve a precise installation, which causes numerous problems in the future and lowered the life expectancy of the slides. Flexibility allows for the slides to match up different situations and prevent minor installation mistakes. The adjustment tools can be used to perform minor adjustments thus solving this problem.

Adjustment mechanism allowing for greater tolerance is incorporated to simplify installation process.

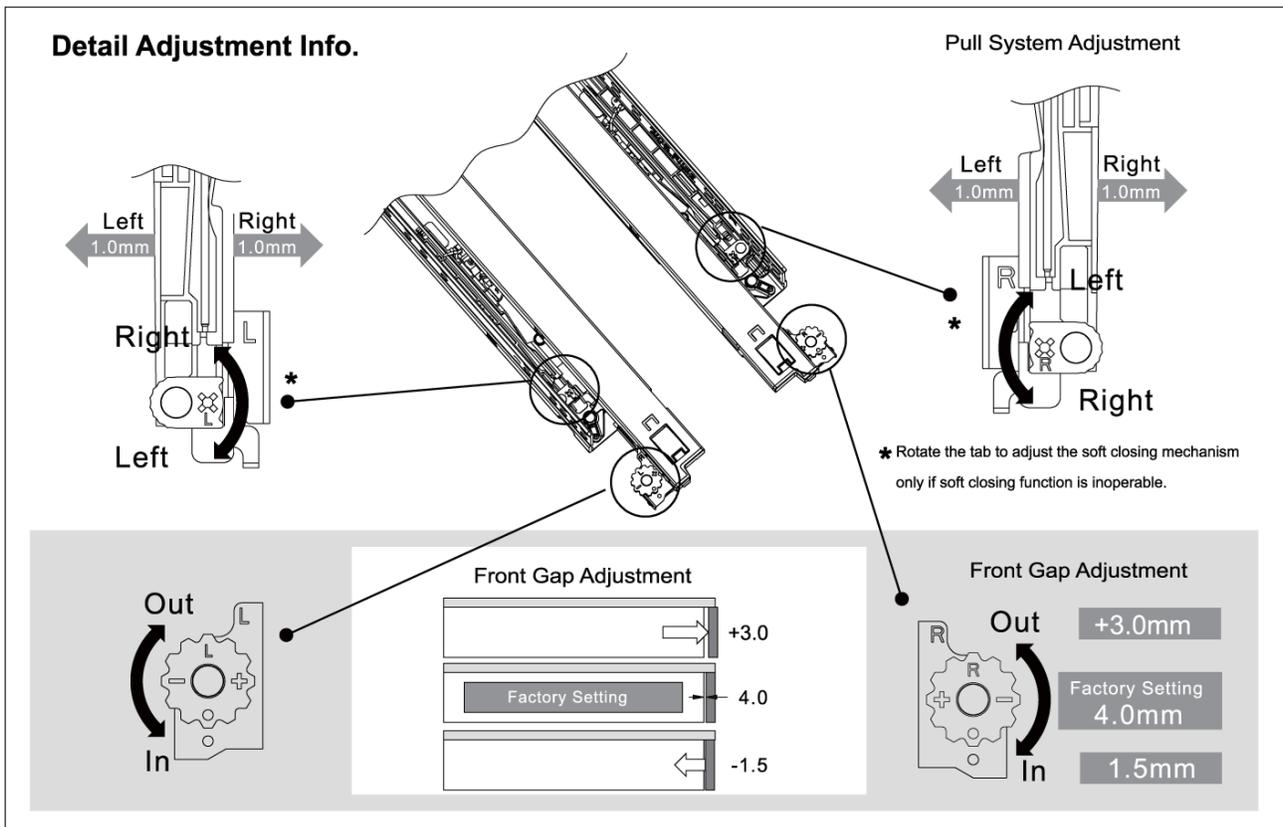
Easy Assembly with Front End Installation

Our specially designed Front Installation allows quick and simple drawer installation and removal procession. The quick connect and disconnect device is location at the front end under the drawer, keeping intact the elegant appearance of the drawer.

- **Tool-less Height Adjustment and Drawer Removal**
Simply rotate the wheel at the front bottom of the drawer to adjust drawer height up to 3.5mm.



- **High installation allowances for drawer width: +0.5/-1mm, and for drawer depth: +1/-1mm**



WAY 1



Push to Open the Drawer



Automatically Open



Press to Close the Drawer

WAY 2



Push to Open the Drawer



Pull the Drawer to Full Extension



Silent Soft-Closing