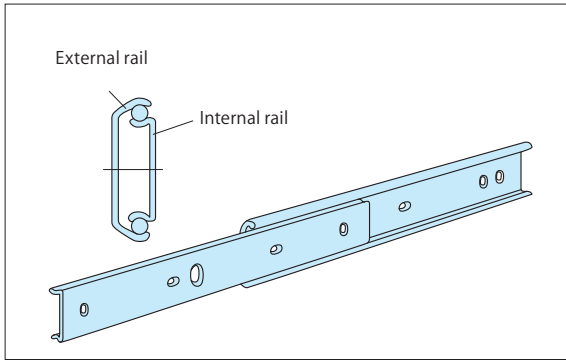


About Slide Rail

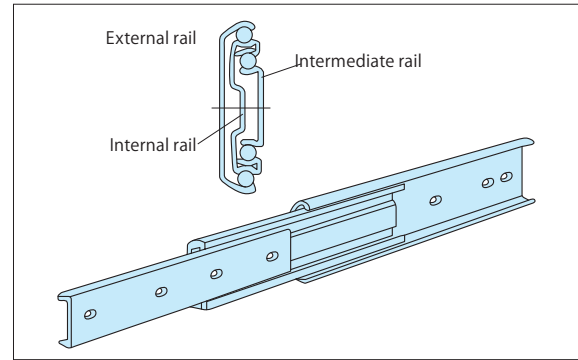
Structure

Figure 1.



The basic structure of a slide rail is an ideal mechanism in which several steel balls held by retainers are inserted between the outer and inner rails, and the rotation of the steel balls enables a linear reciprocating motion of a specified travel to be performed very lightly and accurately. In the case of Fig. 1, the rail can be pulled out in a single step by the relative movement of a set of outer and inner rails, so it is called a single-slide.

Figure 2.



In Figure 2, there is a middle rail between the outer and inner rails, and several steel balls held by retainers are inserted between the outer and middle rails and between the middle and inner rails, respectively, to allow two-stage withdrawal. This type of slide is called a double slide.

Features

●Smooth operation

The action is based on the rolling contact of a steel ball, which is extremely light and maintains accurate reciprocating motion for a long period of time.

●Heat resistance

In the case of standard specifications, the product can be used without any problem within the range of 0°C to 50°C. If the temperature exceeds this range, please consult us. If the temperature exceeds this range.

●Lubricity

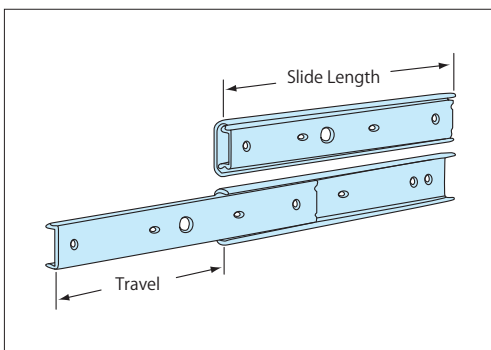
Our slide rails include a greasing process during assembly, so there is absolutely no need for lubrication during normal use.

●Dustproof

The ball retainer accurately holds the steel balls and at the same time protects the ball contact surfaces from dust.

Therefore, under normal conditions of use, there should be no problem, but it is recommended that the product be used in a clean, dust-free atmosphere as much as possible.

About Slide Length and Travel



●Slide length is the length of the slide when fully closed.

●The slide travel (travel) is the total length of the slide when it is fully extended minus the length of the slide when it is fully closed.

About Slide Rail Terminology

Slide rail terminology

3/4 travel	3/4 of the slide length can be pulled out.
Access hole	Tool hole used for screwing the slide in place.
Stop type	When the slide is fully opened, it cannot be pulled out. The slide is not held (locked) in the fully opened state.
Lock type	When the slide is fully opened, it is held in the fully opened state. Can be released by operating a latch or lever to fully close.
Drawer member	The member that will be the moving side when the slide is installed.
Cabinet member	The member that serves as the fixed side when the slide is installed.
Sequential mechanism	The three-member sliding mechanism opens and closes in sequence from the middle member to the drawer member when fully open, and from the drawer member to the middle member when fully closed. (This can also be said for one-sided movement only.)

Rated load

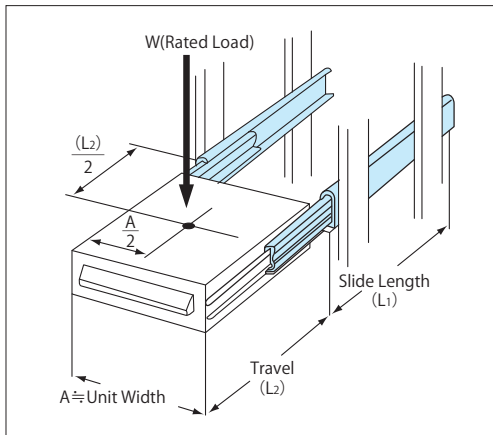


Figure 3.

- The rated load is the maximum allowable load when a drawer is fully pulled out with a pair of slides firmly secured to both the cabinet and the drawer and with the slides horizontal. In other words, in the case shown in Figure 3, the value of W is the value at the center of gravity
- The function of the slide rail varies depending on the conditions of use. Depending on the mounting dimensions, mounting method, load center, frequency of use and installation location, etc., the load capacity, vibration resistance, wear resistance, corrosion resistance, etc., of slide rails vary greatly. Please consult us when considering this product.