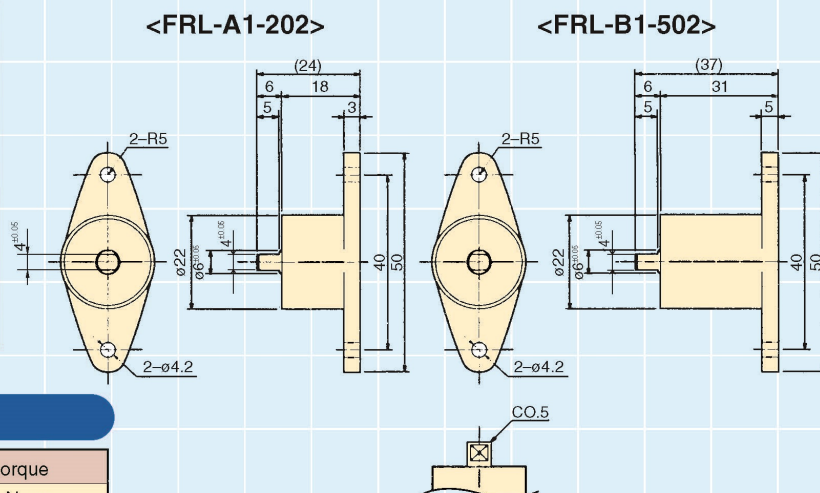
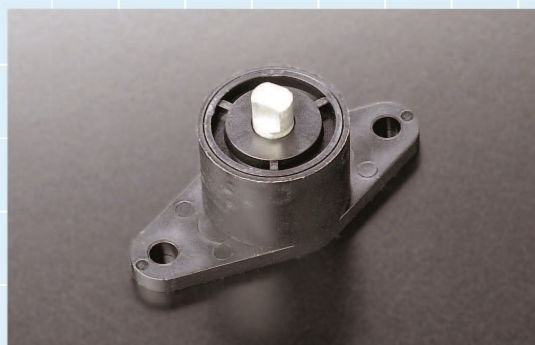


# FRL-A1/B1 Series

RoHS Compliant

Reverse Lock

(Click Mechanism)

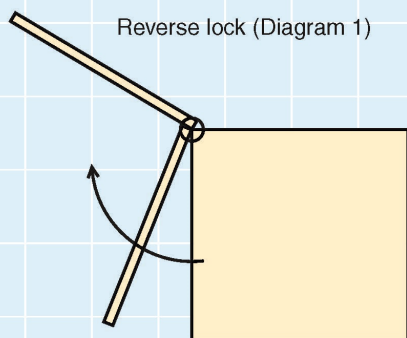


## <Specifications>

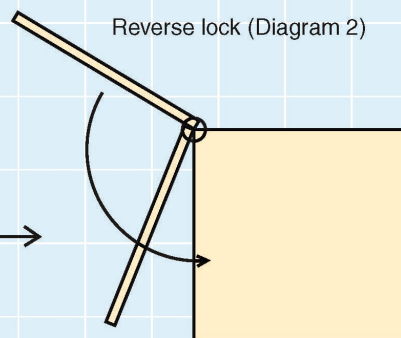
Model	Rated torque	Idling torque
FRL-A1-202	$0.2 \pm 0.04 \text{ N} \cdot \text{m}$ ( $2 \pm 0.4 \text{ kgf} \cdot \text{cm}$ )	$0.03 \text{ N} \cdot \text{m}$ ( $0.3 \text{ kgf} \cdot \text{cm}$ )
FRL-B1-502	$0.5 \pm 0.1 \text{ N} \cdot \text{m}$ ( $5 \pm 1 \text{ kgf} \cdot \text{cm}$ )	$0.05 \text{ N} \cdot \text{m}$ ( $0.5 \text{ kgf} \cdot \text{cm}$ )

## Principles of Reverse Lock

It is a click mechanism part that incorporates the principles of bearing clutch. Although the damping direction can be either clockwise or counter-clockwise, one side is always locked and the other damping direction is in a free state. For example, when opening and closing a lid on a piece of furniture, such as the one shown below, the lid is in a free state when it is lifted up to open, and a lock torque is applied in the closing direction so that the lid can be locked in at any angle. To close the lid, applying a small amount of force will release the lock, allowing the lid to close.



When a lid is being lifted, as shown in Diagram 1, a lock torque is applied in the closing direction, and the lid can be locked in at any position.



When pressure is applied to the lid in a closing direction, as shown in Diagram 2, the reverse lock is released and the lid can close freely.

Note) Please note that this product cannot be used on a lid with a mass that exceeds the rated torque of the reverse lock.