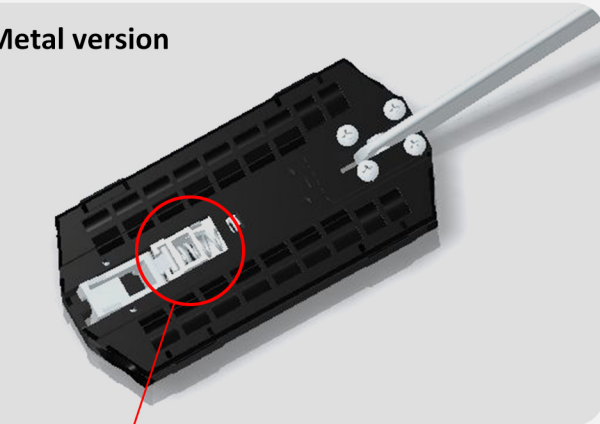


# TYPE D TROLLEY ASSY

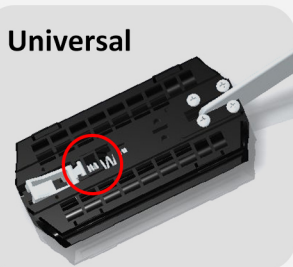
## Metal Version

### Slider Material

#### Metal version



#### Universal



The slider of the metal version trolley assy has been upgraded to a material with superior rigidity, strength and hardness and is more stable in low-to-medium load environments:

- Higher resistance to impact and deformation under long-term loading.
- Prevents clutch failure caused by slider cracking or plastic deformation when the trolley assy is subjected to extreme loads.
- Improve the durability and reliability of the overall mechanism.

In conclusion, the metal slider effectively enhances the structural safety margin of the clutch under abnormal operating conditions.

### Lock Bolt



The lock bolt structure has been replaced with a plastic & 304 stainless steel design. Compared with all-plastic lock bolts, it offers higher strength, wear resistance and fatigue resistance, enabling reliable operation even under the following extreme conditions:

- Frequent high-frequency opening and closing of the trolley assy.
- Impact loads caused by user operation.
- Material performance degradation due to ambient temperature changes.

### Spring Wire



The spring wire diameter has been increased, length extended, and stiffness enhanced—resulting in greater stability. When the trolley assy is in the disengaged state, the drive motor pulls the connecting bar to strike the lock bolt:

- The reinforced spring provides greater restoring force.
- The lock bolt can smoothly spring into the locking position of the connecting bar.
- Prevent the abnormal phenomenon of "being ejected after latching" caused by excessive impact force.