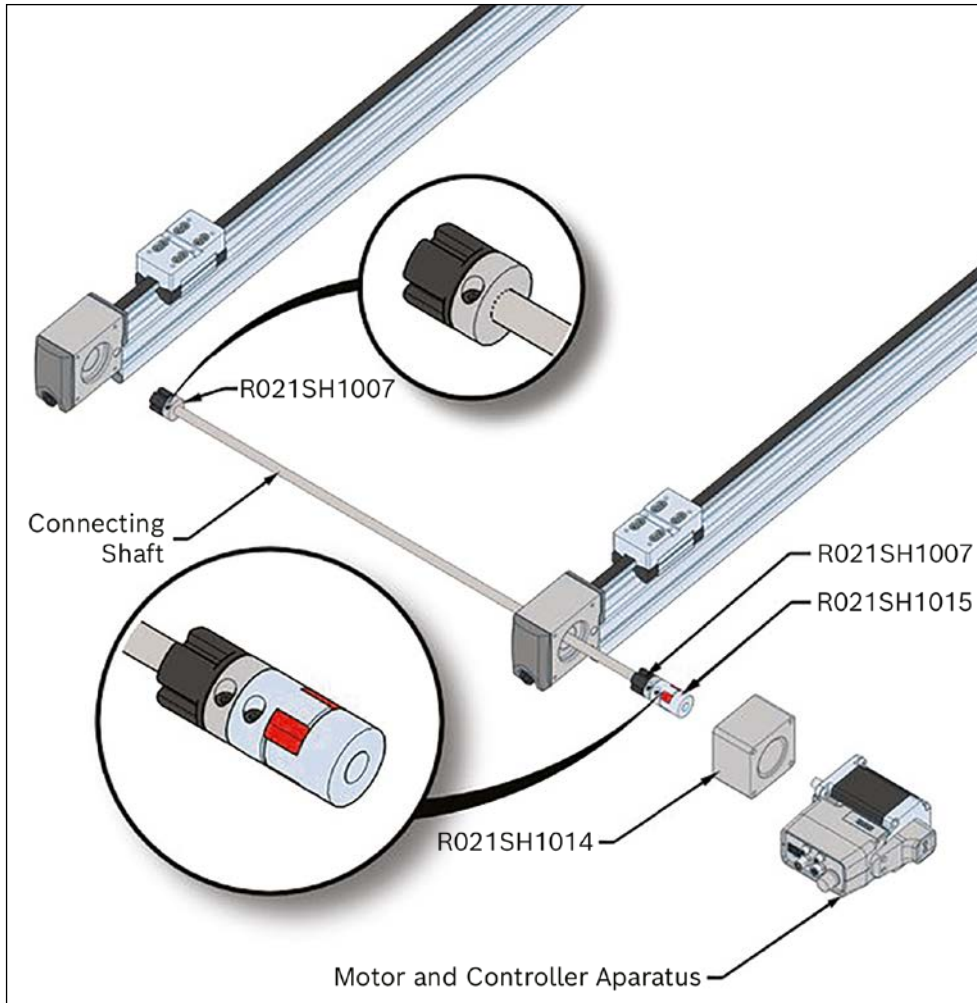


SHB40 Dual-Axis Linear Modules



- Slide the R021SH1007 pulley coupling onto the connecting shaft in the orientation shown and leave it loose.
- Insert the connecting shaft into the end of the R021SH1015 coupling (the red spider coupling) as far as it will go. Use the 2 mm hex key to tighten the R021SH1007 coupling in place.
- Push the R021SH1007 pulley coupling against the R021SH1015 jaw coupling and tighten it using the same hex key.
- Slide the shaft with both couplings through the pulley bore on the side of the gantry where the motor will be mounted.
- Place the R021SH1014 NEMA23 extender over the coupling shaft against the pulley bore of the SHB40, so that it sits between the motor and the pulley bore.
- Insert the motor shaft into the R021SH1015 coupling. It should be pressed as far down on the shaft as possible. Tighten in place using the 2 mm hex key.

- Install the second pulley coupling on the other end of the coupling shaft loosely, in the orientation shown.
- Pull the carriages on both X-axis stages by hand to their hard stop position close to the shaft.
- Use light pressure to engage both pulley couplings with their respective pulley bores, but don't fully insert them yet.
- Tighten the second pulley coupling to the end of the shaft using the hex key, then firmly press the entire shaft and coupling assembly into both pulley bores.
- Press the motor into the R021SH1014 NEMA23 extender onto the pulley housing. It should align itself with the bore.
- Press the motor and standoff onto the pulley housing. Ensure the connectors on the motor are facing away from the SHB40 module.
- Install the four long M4 screws packed with R021SH1014 through the motor flange into the pulley housing and tighten them with the 3 mm hex key.

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