Before You Begin

Read instructions carefully before you begin. If you have any questions or issues, please contact our customer support team at **1-800-993-9399** or **support@ktechonline.com**.

Tools Required

- ☐ Flat File
- ☐ Clamp
- ☐ Torque Wrench
- ☐ Electric Drill
- ☐ 17/64" Drill Bit (Included)
- ☐ Drill Guide (Included)

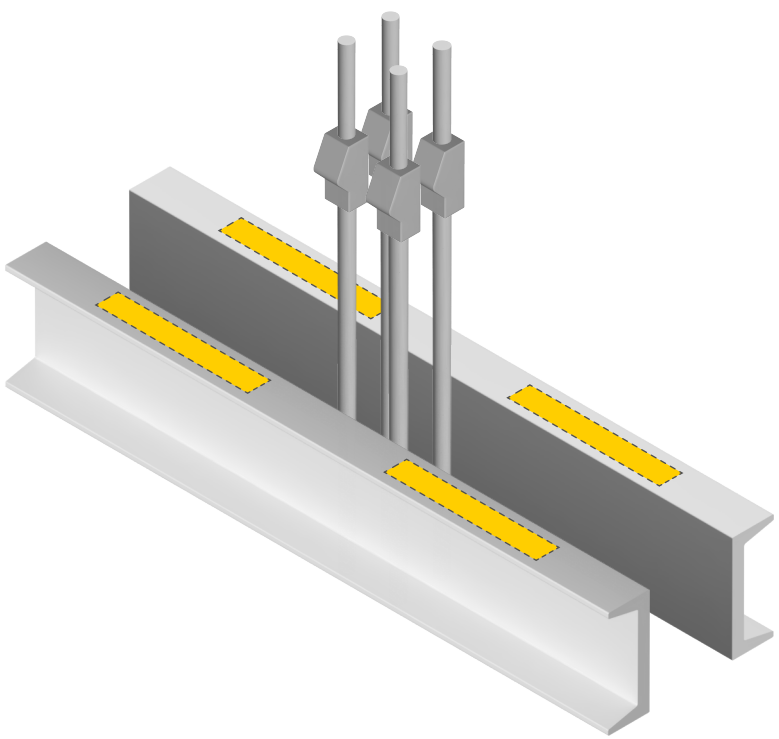
1 Surface Preparation

Prepare the C-channel surface by removing any coatings or bumps where the sensor will be mounted. The mounting area must be as flat as possible for the sensor. Any holes that are drilled must be filed down.

2 Sensor Location

Mount the sensor on the area of the crosshead with the greatest deflection (bending) as shown with ▭ below. For dual sensor systems, mount the sensors on opposite sides of the hitch for best performance. **Do not mount sensors over gussets and braces that restrict deflection.**

Installation must be performed at the lowest landing with the elevator car empty.
Damage to the sensor resulting from improper installation will not be covered under warranty.



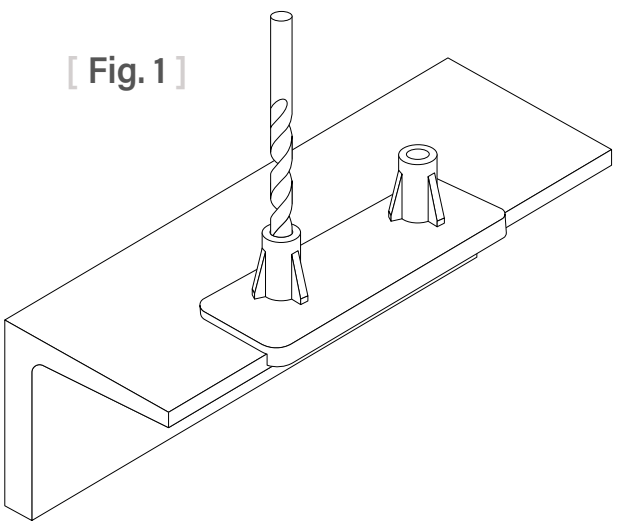
3 Drill C-Channel [Fig. 1]

- The drill guide should be placed on the top side of the C-channel, and aligned with the edge of the open side. The lip of the drill guide should be firmly pushed against the edge before clamping.
- Once clamped, drill both holes through the C-channel using the included 17/64" drill bit. **Keep the drill perpendicular to the C-channel surface. The drill guide will help maintain proper alignment.**
- File any edges of the drilled holes to remove burrs and ensure the sensor will sit flat upon installation.

4 Install Sensor [Fig. 2]

- Place a flat washer (F), followed by a tapered washer (E) on each of the two bolts (G).
- From underneath, insert the bolts through the holes in the C-channel and the sensor (D).
- Thread a flanged nut (C) onto each bolt (G) and hand tighten.
- Adjust the tapered washers (E) to be oriented correctly, the thicker side of the washer should be parallel to the open side of the C-channel.
- Tighten the flanged nuts (C) to **14 ft-lbs (168 in-lbs)** of torque. ⚠ **Important: Proper torque is required to ensure mechanical stability and correct sensor operation.**
- Install the yellow sensor guard (B) on the exposed bolt threads using the cover nuts (A). Snug down each nut, then back off 1/8 to 1/4 turn. The sensor guard should feel slightly loose.
- Secure the sensor cable close to the C-channel using plastic wire ties or other non-invasive methods.

[Fig. 1]



[Fig. 2]

