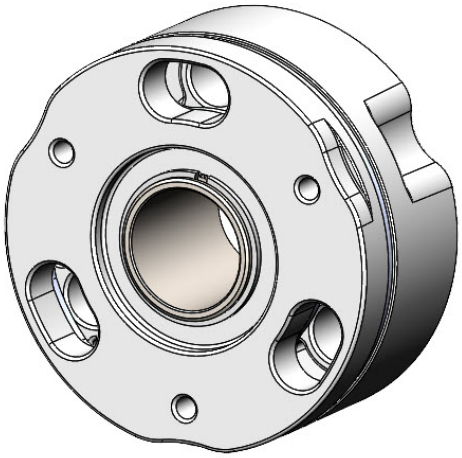
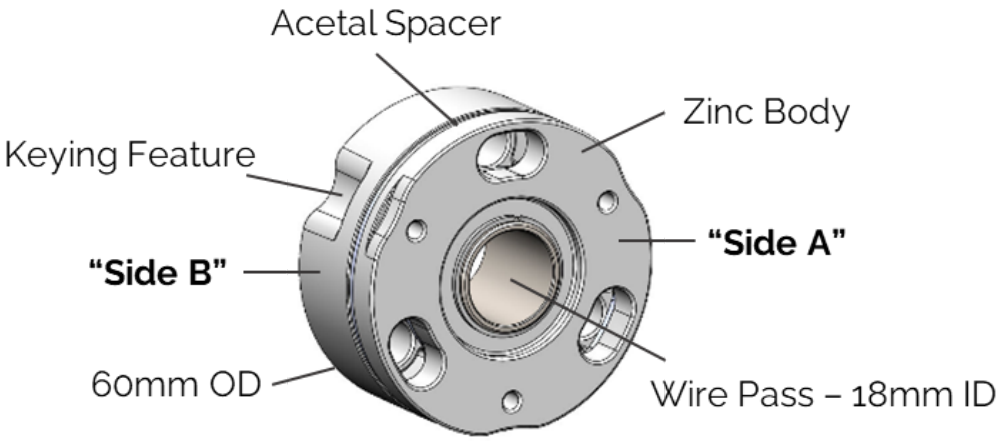
HTH60 INSTALLATION GUIDE

Reell's HTH60, with an 18mm internal diameter, allows users to route wires through the center of the torque element to create cleaner designs. The HTH60 provides a high torque option for rotating pivot points and joints for superior position control.



INSTALLATION PROCESS

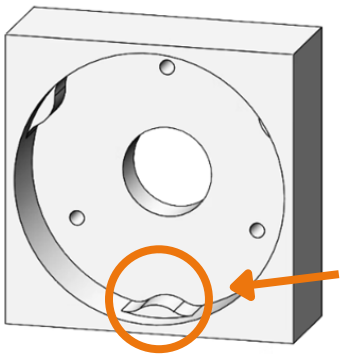
Follow these 6 simple steps to seamlessly integrate the HTH60 into your design



STEP 1:

HTH60 can be surface mounted or pocket mounted. If surface mounted, ensure mounting surface is flat.

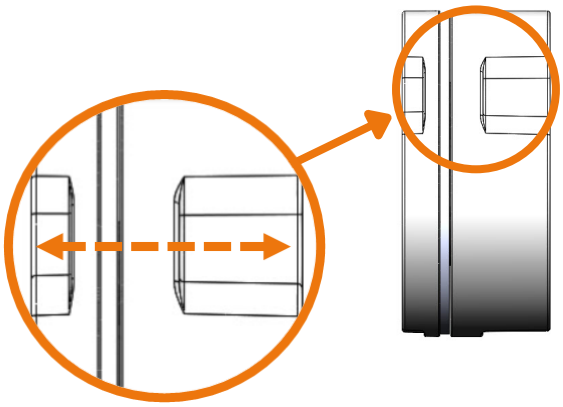
If pocket mounted, recess the HTH60 below the mounting surface and ensure the mounting surface is flat. Optional keying feature can be incorporated into the pocket.



Reference the HTH60 sales drawing for correct mounting hole pattern at Reell.com/HTH60

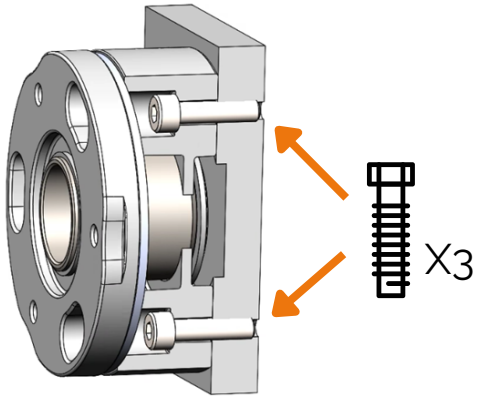
STEP 2:

Align the cutouts in side A and B to position assembly holes. Proper alignment ensures the assembly holes are in the correct position for installation.



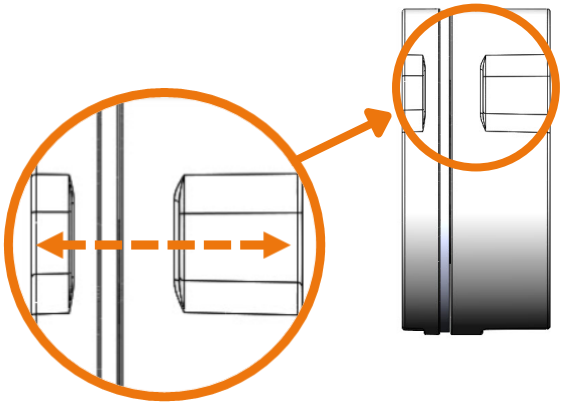
STEP 3:

Secure side B to the mounting surface with (3) M4 Cap Head screws fastened through the large mounting hole slots in side A. Ensure screw heads do not protrude past side B into side A. This will prevent the HTH60 from freely rotating.



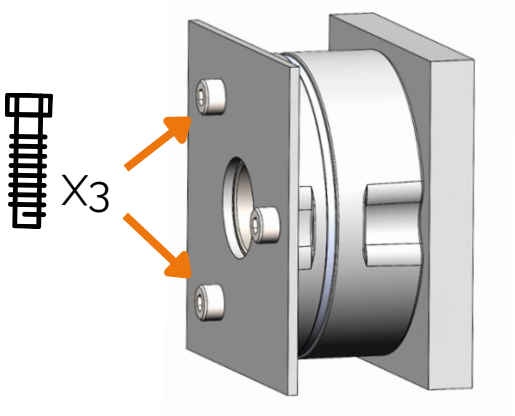
STEP 4:

Verify cutouts are still properly aligned to ensure assembly holes are in correct position.



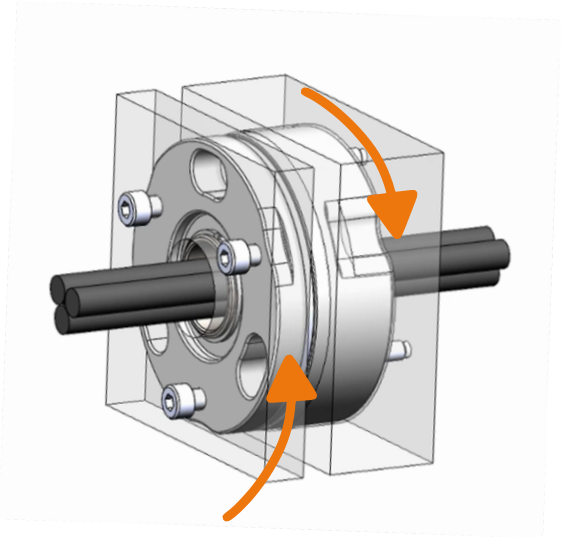
STEP 5:

Secure side A with (3) M4 screws through mounting substrate into HTH60 threaded mounting holes. Ensure thread engagement into side A does not exceed 7mm. Thread engagement greater than 7mm will protrude into side B and prevent HTH60 from rotating freely.



STEP 6:

Rotate the completed assembly to verify proper function. If wires are passed through the part, test and validate adequate wire length to prevent excess rubbing and wear on wires.



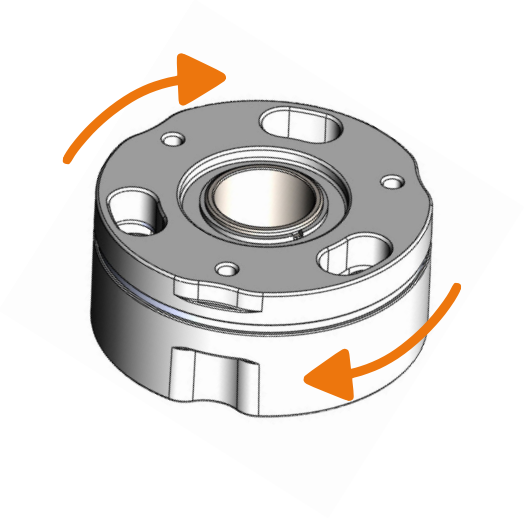
ADDITIONAL NOTES & GUIDELINES

ITEM 1:

Product recommendations and installation instructions provided as general guidance. Many factors may impact final product performance, Reell strongly advises customers to test our product in their end use application to confirm acceptable performance.

ITEM 2:

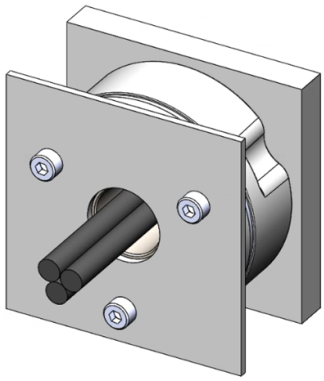
HTH60 provides full 360° rotation. Final assembly should prevent more rotation than wires in system can tolerate.



ADDITIONAL NOTES & GUIDELINES

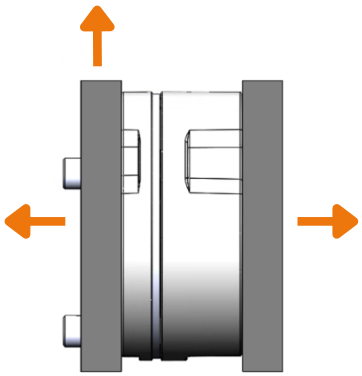
ITEM 3:

The HTH60 was designed with a smooth surface finish and radiused edges. These details help protect wires, but final assembly must provide enough slack to avoid excessive rubbing and wear on any surfaces.



ITEM 4:

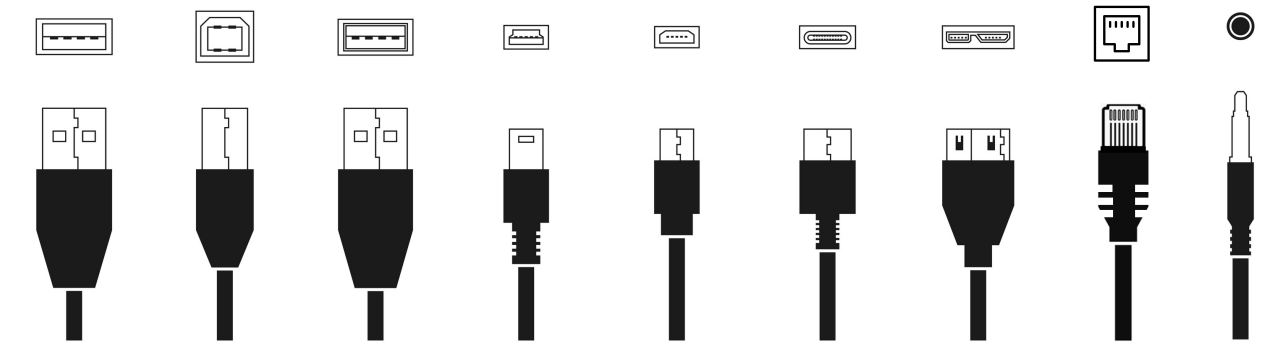
Customer must test to ensure HTH60 is mounted into substrate sufficiently to support anticipated loads.



*Potential Forces

ITEM 5:

The HTH60 allows passage of wire connectors smaller than the 18mm ID wire pass hole. Commonly available wire connectors that will typically pass through the HTH60 include, but are not limited to:



USB Type A | USB Type B | USB 3.0 | USB Mini | USB Micro | USB Type C | USB Micro B | Ethernet | AUX