ZERO-MAX

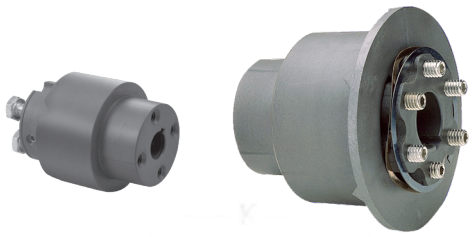
H-TLC

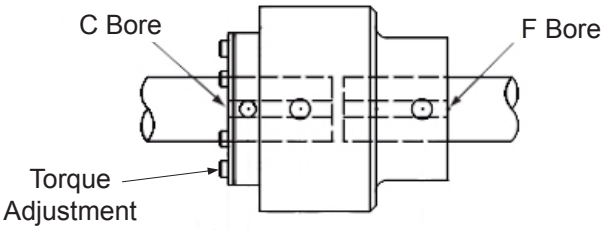
Models 500 & 1000

H-TLC Installation Guide

1. Align the shafts and shim components as needed to bring into alignment. Shafts should be aligned to within 0.010" parallel, 1.0° angular, and axial shaft separation to match the shaft engagements shown in Table 1.
2. Examine shaft and clean as necessary. Shaft surface should be clean and free of corrosion.
3. Mark the aligned location and remove either the driver or the driven component to allow the H-TLC to be slid onto the shaft, with a shaft key in place.
4. Reinstall the driver or driven component that was removed to the aligned location, installing the shaft into the bore of the H-TLC, with a shaft key in place.
5. Make sure shafts protrude into the bore at least the minimum distance, but no more than the maximum distance shown in Table 1.
6. Confirm alignment of the connected shafts by rotating and moving the H-TLC axially. If the H-TLC does not move freely, the shaft alignment needs to be redone (repeat step 1).
7. Tighten setscrews to secure the H-TLC to the shafts. Be sure to tighten all (6) setscrews—there are (4) in the Shaft end, and (2) in the Housing end of the H-TLC.
   NOTE: Setscrews should not be tightened over 40 in-lbs, maximum. Use non-permanent thread locking compound, if needed.
8. Adjust torque setting as needed by adjusting the torque adjustment bolts on the end of the H-TLC.
   See Torque Adjustment Instructions For More Detail.

Type C, CD Shaft-to-Shaft Coupling





Note: Either end can be the driver or driven end for C and CD models.

Table 1

H-TLC Model	Shaft (C) Bore		Housing (F) Bore	
	Minimum Engagement	Maximum Engagement	Minimum Engagement	Maximum Engagement
500	1.500"	1.625"	.750"	.855"
1000	1.875"	2.230"	1.125"	1.210"

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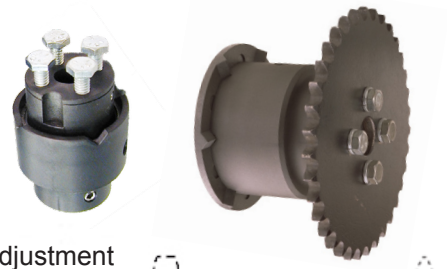
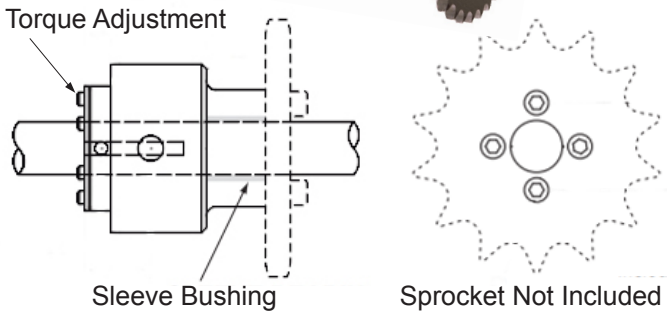
1. Check that the free length of the shaft is greater than the length of the H-TLC.
2. Examine shaft and clean as necessary. Shaft surface should be clean and free of corrosion.
3. Install the H-TLC onto the shaft with a shaft key in place. When possible, add a thin film of grease in the bore of the sleeve bushing (see diagram to right).
4. Shaft should protrude through the full length of the H-TLC.
5. Tighten setscrews to secure the H-TLC to the shaft. Be sure to tighten all (4) setscrews in the Shaft end of the H-TLC. There are no setscrews in the Housing end.
   NOTE: Setscrews should not be tightened over 40 in-lbs, maximum. Use non-permanent thread locking compound, if needed.
6. Install customer-supplied sprocket, pulley, or other component to the bolt pattern on the face of the H-TLC using customer-supplied screws.
7. Adjust torque setting as needed by adjusting the torque adjustment bolts on the end of the H-TLC.
   See Torque Adjustment Instructions For More Detail.

Type B, BD Through-Shaft Mount





Note: Either end can be the driver or driven end for B and BD models.

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