

How to Use This Manual

This “Safety Retrofit” manual applies to Falk Types HF31, 31-1, 32 & 32-1 fluid couplings. Use the table of contents below to locate required information.

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“Proof-of-Discard” Fax Back form	Attached

CAREFULLY FOLLOW THE INSTRUCTIONS IN THIS MANUAL.

Introduction

This manual provides detailed instructions on the removal of the existing Input Adapters (Stub Shaft) and Steelflex T10 Hubs that are used on Types HF31, 31-1, 32 & 32-1 True Torque Fluid Couplings involved in the “Safety Retrofit”. This manual will also provide detailed instructions to install the replacement Input Adapter (Stub Shaft), Steelflex T10 Hub and associated components to complete the “Safety Retrofit”. The performance and life of the coupling depends largely upon how you install and service it.

Fluid does not need to be drained from the True Torque coupling for this “Safety Retrofit”.

WARNING: Lockout starting switch of prime mover and remove all external loads from drive before performing the “Safety Retrofit” or servicing couplings or accessories.

WARNING: Consult applicable local and national safety codes for proper guarding of rotating members. Observe all safety rules when installing or servicing couplings. Coupling guard must not restrict free flow of air, but the portion of the guard in line with fusible plugs must be solid construction.

CAUTION: Do not spray water on hot fluid coupling, as this may result in cracking of aluminum components.

Identification

Prior to disassembly please verify that the retrofit kit part number and associated coupling size received match the originally installed coupling size. A list of the retrofit part numbers and coupling sizes can be found in Table 1, on Page 2.

See Figure 1 on Page 2 for identification of the items that will be replaced according to these instructions.

The following items are being provided as part of this “Safety Retrofit”:

1. Input Adapter (Stub Shaft);
2. T10 Hub;
3. Cover Seal (T10);
4. Stub shaft key;
5. Input Adapter Fasteners;
6. Input Adapter Lock Washers;
7. Cover Gasket (T10);
8. Long Term Grease (LTG), not shown.

Note: Items 1, 2, 3 and 4 have been preassembled at the factory and are referred to below as the “Input Adapter (Stub Shaft)” sub-assembly.

Removal of Existing Input Adapter (Stub Shaft) Sub-Assembly

- A. Lock out starting switch of prime mover and remove all external loads from drive.
- B. Remove cover and grid of Steelflex coupling, retaining these components for re-assembly.
- C. Support input adapter with a sling. Remove existing input adapter (stub shaft) sub-assembly from the fluid coupling by removing existing input adapter fasteners and lock washers.
- D. Remove sub-assembly carefully so as not to damage fluid coupling mating surface or mating T10 hub. Discard existing input adapter (stub shaft) sub-assembly, fasteners and lock washers.

Install Replacement Input Adapter (Stub Shaft) Sub-Assembly

A. Carefully install the replacement input adapter (stub shaft) sub-assembly by connecting the input adapter (stub shaft) to the fluid coupling with lock washers and fasteners furnished in the retrofit package (Items 5 and 6) and tighten to torque specified in Table 1, Column 5 or 6. Adapter register must be properly engaged into fluid coupling mounting pilot to assure proper alignment.

B. Assemble and lubricate Steelflex shaft coupling (consisting of cover, grid, gasket, grease and cover fasteners) as instructed in the furnished service manual, see attached 428-110. Use the grease and gasket supplied with the retrofit package sub-assembly (Items 7 and 8) when installing the Steelflex® coupling.

Complete the “Proof-of-discard” fax back form and return to Rexnord Industries, LLC, as instructed.

TABLE 1 — Part Numbers, Fastener Sizes & Tightening Torques

True Torque Coupling Size	Stub Shaft Sub-Assembly Retrofit Package Part Numbers		Input Adapter Fasteners Grade 8.8		
	Steelflex Coupling Size	Steelflex Coupling B/M	Size x Length mm	Torque lb-ft	Torque Nm
370HF	1080T	3701703	M12 x 45	59	80
1420HF	1090T	3701704	M12 x 45	59	80
1480HF	1100T	3701705	M12 x 50	59	80
1584HF	1110T	3701706	M12 x 55	59	80
1660HF	1120T	3701707	M14 x 65	88	119
1760HF	1140T	3701708	M16 x 60	140	190

**FIGURE 1
PARTS IN BOLD
ARE BEING REPLACED**

