The most direct hose routing. The port positions on the left and right versions are not identical without removal, or, in the case of a vertically mounted unit, the one that provides the direct route. Choose the one that allows bleed -in both right and left hand versions with the common .87 bore size. We also stock a right hand version of the less common .75 bore size. Choose the one that allows bleed -in without removal, or, in the case of a vertically mounted unit, the one that provides the most direct hose routing. The port positions on the left and right versions are not mirror images of each other (see photo). The inlet and bleed ports are interchangeable.

**Right hand - .75 inch bore (not a common size)**
- Part No. 3520-.75 RH $164.99

**Right hand - .87 inch bore, as illustrated**
- Part No. 3520-.87 RH $134.99

**Left hand - .87 inch bore, as shown in photo**
- Part No. 3520-.87 LH $134.99

**Slave Cylinder Repair Kit - .75 inch bore (not common)**
- Part No. 3527-.75 $27.99

**Slave Cylinder Repair Kit - .87 inch bore**
- Part No. 3527-.87 $27.99

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**Hydraulic Release Bearings (Annular Slave Cylinders)**

Some racing clutches require so much force to engage that an external clutch slave cylinder acting through a linkage requires almost superhuman leg strength. Deflection and bending in the linkage also wastes motion, in some cases enough to prevent the clutch from disengaging at all.

Hydraulic release bearings (HRBs) eliminate all lost motion by mounting the throwout bearing directly on the hydraulic piston. This results in the most positive, simplest, and lightest release mechanism available. In many applications, an HRB can provide better leverage, reducing pedal effort.

**Important Note:**
You must install a clutch pedal stop with any hydraulic release bearing! Overstroking the release will cause damage to the clutch and to the engine.

**Tilton Hydraulic Release Bearing Assemblies**

Tilton 3000 Series
- Hydraulic Release Bearing
  - Part No. TE 60-3000

Tilton 8000 Series
- Hydraulic Release Bearing
  - Part No. TE 60-8200

**Replacement Parts for Tilton Hydraulic Release Bearings**

- Replacement Seal Kit for Tilton Hydraulic Release Bearing... Part No. 163-5 $34.00
- Replacement 52mm Contact Diameter Release Bearing... Part No. 163-60 $55.25
- Replacement 44mm Contact Diameter Release Bearing... Part No. TE 62-031 $76.50
- Replacement 38mm Contact Diameter Release Bearing... Part No. TE 62-008 $72.25

Please visit our website for a full list of replacement pistons to alter the height of your Tilton HRB!

**Hydraulic Release Bearing Assembly for FF1600**

This hydraulic release bearing is designed just for the Hewland Mk-series gearbox! It fits most Formula Ford 1600 cars with 725° racing clutches and the standard 2 3/4” transmission adapter ring without any fabrication. (Will not fit Lotus, Swift, Lola T440, or early Titan chassis.) The adapter base bolts to the main case using three holes around the input shaft. Most Mk-series gearboxes already have these holes drilled and tapped - check your case before ordering. Includes mounting adapter, hydraulic release bearing, mounting hardware. 4AN inlet adapter, and 3AN bleed adapter. Inlet hose and remote bleed hose are sold separately.

**Release Bearing Assembly for FF1600 w/ Mk 9...**
- Part No. 163-55 $439.99

**Replacement Only...**
- Part No. 163-61 $83.99

**Rebuild Seal Kit, includes base seal and piston seals...**
- Part No. 163-52 $26.99

**Bulkhead Mounted -3 Hose End with Bleeder Screw...**
- Part No. 3266-25 $28.99

**This hose end fits -3 braided hose. The 3/4-24 male bulkhead mount requires a 3/4-24 jam nut **

**3AN Bulkhead Mount for -3/4” Bleed Screw...**
- Part No. 3266-25 $21.49

**The male 3AN end fits a standard 3AN hose end. Accepts a 3/4-24 bleed screw. Bleed screw and 3/4-24 jam nut sold separately.**

**Hydraulic Release Bearing Tester**

Don’t waste time installing your transaxle only to find out too late that your hydraulic release bearing is leaking! Check it first with our Hydraulic Release Bearing Tester. This universal tool has been tested to work on FT2000, LD2000, Tilton-series, and Sack's gearboxes. A wide range of adjustments will allow it to fit many other applications. Simply bolt the crossbar to the front of your transmission and adjust the stop plate about 1/4” away from the release bearing using the supplied assortment of spacers. Connect your clutch hydraulic line, bleed the system, and apply moderate pressure to the clutch pedal while watching for leaks. This tool could pay for itself the first time you discover a leak before assembly.

**Hint:** This tool can also help find any lost motion in an external clutch slave application! With all parts in the linkage exposed, you will be able to see any flexing.

**Internal Hydraulic Clutch Release Bearing Tester...**
- Part No. 3094 $167.99

Prices shown are current as of "April 21, 2020".

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1-800-688-6946 (Fax: 262-317-1201)
PegasusAutoRacing.com Check website to verify current pricing