

# Hydro-MAX

## DROP-IN HYDRAULIC CLUTCH RELEASE BEARING



- ⇒ **MAX-imum strength!** Manufactured from high-strength extruded aluminum
- ⇒ **MAX-imum lightness!** 30% to 60% lighter than other manufacturer's HRB's
- ⇒ Hydro-MAX fits Muncie, Jerico, Roltek, T-10, T-101, Saginaw & other transmissions
- ⇒ Designed to work with all small diameter multi-disc racing clutches
- ⇒ Hard coat anodized for long life
- ⇒ Simple drop-in installation
- ⇒ Includes all mounting hardware
- ⇒ Self aligning for less clutch wear
- ⇒ Return spring guarantees complete clutch engagement
- ⇒ Includes PTT's exclusive 1.6" diameter radius faced angular contact ball bearing.
- ⇒ Works best with 5/8" or 3/4" master cylinders

***~ Another advanced engineering product from the company that works harder to get you to the winner's circle ~***

PTT'S Hydro-MAX Hydraulic Release Bearing (HRB) is the lightest, trickiest, strongest HRB on the racecar market. Weighing under 1-1/4 pounds sopping wet, Hydro-MAX is 30% to 60% lighter than all other return spring equipped HRB's currently available! At just over 2-1/4" tall, it is also the shortest. It has a full 1/2" of release travel, (the longest travel in its class), and a built-in return spring to ensure positive, 100% clutch engagement. PTT's custom-designed, low drag, 1.6" radius face bearing is standard equipment. The smaller diameter contact reduces clutch pedal effort, while also lowering the thrust on the back of the crank!

Hydro-MAX is CNC manufactured to rigid PTT quality standards from high strength aluminum and then hard coat anodized for long life. Every component that goes into the construction of Hydro-MAX oozes quality, from the custom designed AN & bleeder fittings, to the highest quality rubber compounds in the o-rings. Every Hydro-MAX is pressure tested at the factory to over twice it's normal operating pressure. Hydro-MAX is designed and built to take the night after night, weekend after weekend abuse that professional auto racing dishes out.

***Put "THE POWER" to work for you! [www.PowerTrainTech.com](http://www.PowerTrainTech.com)***

**Hydro-MAX Drop-in HRB, Standard Height** All installation parts are included (see RH7111 Installation Kit shown below). Adjustable from 2.28" min. to 3.03" max. overall length. Featuring a full 1/2" of release travel. Works best with a 5/8" or a 3/4" diameter master cylinder.



**RH7101**  
**RH710236**

HRB with external bleeder kit  
HRB with external bleeder kit & 36" supply line.

**Hydro-MAX Drop-in HRB, Tall Height** Uses an extended length sleeve & bearing assembly. All installation parts are included (see RH7111 Installation Kit). Adjustable from 2.78" min, to 3.53" max. overall length. Featuring a full 1/2" of release travel. Works best with a 5/8" or a 3/4" diameter master cylinder.



**RH7151**  
**RH715236**

HRB with external bleeder kit  
HRB with external bleeder kit & 36" supply line.



**RH7111 Installation Kit** One of these kits is included with every new HRB. Use an extra installation kit to set up a spare transmission. This kit includes all the hardware needed to install your Hydro-MAX.



**RH7112 External Bleeder Kit** Includes a dash 3 braided stainless steel line & fitting that allows you to bleed the HRB from outside the bellhousing.



**Stainless Steel Braided Clutch Supply Line** Dash 3 size, Teflon lined, high strength, light weight lines are perfect for your PowerTrain Technology HRB. Available in the following lengths:

- RA3006** Dash 3, straight ends, 6" long
- RA3010** Dash 3, straight ends, 10" long
- RA3018** Dash 3, straight ends, 18" long
- RA3024** Dash 3, straight ends, 24" long
- RA3036** Dash 3, straight ends, 36" long
- RA3048** Dash 3, straight ends, 48" long

*Custom lengths available*

**Replacement Bearing & Sleeve Assembly**

These replacement bearing and sleeve assemblies are a service item for PTT's HRB. They feature a PTT designed 40mm angular contact ball bearing with a small 1.6" radius faced contact. This bearing incorporates a low drag design and is packed with specially formulated high temperature, low drag grease. They are a drop-in, direct replacement upgrade for HRBs' made by the following manufacturers: Coleman Racing Products, Howe Racing Enterprises, Quarter Master, and others.



**RH7110**  
Bearing & Sleeve Assembly, Standard Length  
1.96" OAL

**RH7160**  
Bearing & Sleeve Assembly, Extended Length  
2.46" OAL (1/2" longer)



**RH7161 Extended Length Sleeve & Bearing Kit** This kit is used to convert a standard length HRB to an extended length HRB. It includes a 1/2" taller sleeve & bearing and the shims needed for extremely short clutch / tall bellhousing applications.

# Tri-MAX

## BOLT-IN HYDRAULIC CLUTCH RELEASE BEARING



**ONLY  
7/8 lb**

- ⇒ **MAX-imum strength!** Manufactured from high-strength extruded aluminum. Guaranteed for life never to break due to structural failure!
- ⇒ **MAX-imum lightness!** Tri-MAX weighs **less than 1 pound!** That's 20% to 50% less than other manufacturers' bolt-in HRB's
- ⇒ **MAX-imum reliability!** Built to withstand more than 3 times normal operating pressure.
- ⇒ Tri-MAX has 3/4" of bearing travel.
- ⇒ Simple bolt-in installation. No shims to adjust or complicated measuring.
- ⇒ Precision aligned for less clutch wear
- ⇒ Low-drag hydraulics guarantee complete clutch engagement
- ⇒ Includes PTT's exclusive 1.6" diameter radius faced angular contact ball bearing.

***We stay up late engineering products like this so that you don't lose sleep worrying about how to get to the winner's circle!***

PTT's Tri-MAX Hydraulic Release Bearing (HRB) is the most reliable, lightest, and strongest bolt-in HRB on the racecar market. Tri-MAX is designed to work with all small diameter multi-disc racing clutches and will fit Muncie, Jerico, Roltek, T-10, T-101, Saginaw & other transmissions. Tri-MAX has a full 3/4" of release travel, (the longest travel in its class) and has superbly engineered hydraulics to ensure positive, 100% clutch engagement. PTT's custom-designed, low drag, 1.6" radius face bearing is standard equipment. The smaller diameter contact reduces clutch pedal effort, while also lowering the thrust on the back of the crank! Tri-MAX works best with 5/8" or 3/4" master cylinders.



**Tri-Max HRB pictured above with a 4,200 pound parts hauler parked on top of it, demonstrating its incredible strength.**

Tri-MAX is CNC manufactured to aircraft industry tolerances from high strength aluminum. All moving parts are premium hardcoat anodized for long, trouble-free life. Tri-MAX is designed for, and has been pressure tested to over 2500 p.s.i. with no failures. All Tri-MAX bearings are pressure tested to twice normal operating pressure before leaving the factory. You can bolt a Tri-MAX in with confidence knowing that it will work as advertised right out of the box. The velvety smooth clutch actuation you get from a Tri-MAX has to be felt to be believed. Tri-MAX is *the* reason you want to run a hydraulic release bearing.

***Put "THE POWER" to work for you! [www.PowerTrainTech.com](http://www.PowerTrainTech.com)***

**Tri-MAX Bolt-in HRB** Available from 2.70" to 3.75" overall length, featuring 3/4" of release travel. Works best with 5/8" or 3/4" diameter master cylinders.



RT7327 - Tri-MAX with 1.65" piston

- RT7327 2.70" OAL w/ 1.65" piston
- RT7328 2.85" OAL w/ 1.80" piston fits 3D clutch w/ Chevy Btn Fly
- RT7330 3.00" OAL w/ 1.95" piston
- RT7331 3.15" OAL w/ 2.10" piston fits 2D clutch w/ Chevy Btn Fly
- RT7333 3.30" OAL w/ 2.25" piston
- RT7334 3.45" OAL w/ 2.40" piston fits 1D clutch w/ Chevy Btn Fly
- RT7336 3.60" OAL w/ 2.55" piston
- RT7337 3.75" OAL w/ 2.70" piston



RT7337 - Tri-MAX with 2.70" piston



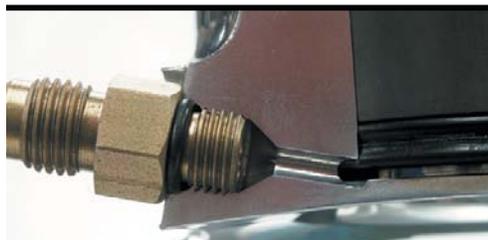
**RH7112 External Bleeder Kit**  
Includes a dash 3 braided stainless steel line & fitting that allows you to bleed the HRB from outside the bellhousing.



**Bearing & Piston Assembly, Replacement, Tri-MAX Bolt-in HRB**



- RT73116 1.65" piston (Fits RT7327)
- RT73118 1.80" piston (Fits RT7328)
- RT73119 1.95" piston (Fits RT7330)
- RT73121 2.10" piston (Fits RT7331)
- RT73122 2.25" piston (Fits RT7333)
- RT73124 2.40" piston (Fits RT7334)
- RT73125 2.55" piston (Fits RT7336)
- RT73127 2.70" piston (Fits RT7337)



All PTT HRB's have a dual port design that can be used with either: an O-Ring Boss (as shown at left) or, an AN Fitting (as shown at right).



# Street-MAX

## STREET STOCK HYDRAULIC RELEASE BEARING



**Advanced engineering comes to the street stock ranks!**

Weighing in at just under 7/8 pound, PTT's new Street-MAX offers MAX-imum strength, MAX-imum lightness and MAX-imum reliability for street stock racers. Designed with 3/4" of travel made specifically for use with 10.5" street stock clutches that require a flat face bearing. It includes PTT's exclusive custom designed, low drag, flat face angular contact ball bearing as standard equipment. Street-MAX fits Muncie, Jerico, Roltek, T-10, T-101, Saginaw & other transmissions. Works best with 3/4" master cylinders. Street-MAX's short 2-5/8" overall height allows it to fit into more confined areas. It includes all mounting hardware and has simple drop-in installation. Self adjusting for less maintenance.



RS7201

Street-MAX is CNC manufactured to unwavering PTT high quality standards. It is manufactured from high-strength extruded aluminum and then hard coat anodized for long life. It utilizes extreme fluid power engineering in order to withstand the rigors of harsh racing environments. Every Street-MAX is pressure tested at the factory to over twice its normal operating pressure.

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