



PERFORMANCE TRANSMISSION PRODUCTS
Toll Free: 1-800-960-1177 www.tcsproducts.com

PERFORMANCE CONVERTERS

GAS/DIESEL - RACE/TOW

Click Here to Visit www.tcsproducts.com



SINCE 1963

Toll Free: 800-960-1177

Celebrating 50 Years in Business

604-533-8675 TF: 1-800-960-1177 Fax: 604-533-7894

6217 205th Street, Langley BC. V2Y 1N7 Canada

PERFORMANCE STREET CONVERTERS

Click Here to Visit
www.tcsproducts.com

BRACKET MASTER SERIES - 9.5" & 10"..... 2800-3500 RPM

- Furnace brazed pump and turbine
- New alloy pump drive hub
- Heavy Duty Torrington bearings
- Lockup clutch available (some models)
- Heavy Duty sprag
- Electronically balanced
- 1 year warranty

PRO STREET SERIES - 11"..... 2400-2600 RPM

- Furnace brazed impeller
- New alloy pump drive hub
- 4140 heat treated drive splines
- Heavy Duty Torrington bearings
- Lockup clutch available (some models)
- Heavy Duty Sprag
- Electronically balanced
- 1 year warranty



PERFORMANCE RACE CONVERTERS

BRACKET MASTER SERIES - 9.5" & 10"..... 2800-3500 RPM

- Furnace brazed pump and turbine
- New alloy pump drive hub
- CNC precision machined 4140 heat treated drive splines
- 1/4" thick anti-ballooning plate
- Solid formed 1-piece front cover
- Optional steel stator
- Heavy Duty Torrington bearings
- Lockup clutch available (some models)
- Heavy Duty sprag
- Electronically balanced
- 1 year warranty

BRACKET MASTER SERIES - 9.5" & 10"..... 4000-PLUS RPM

- Furnace brazed pump and turbine with added TIG welding for vane re-enforcement
- New alloy pump drive hub
- CNC precision machined 4140 heat treated drive splines
- 1/4" thick anti-ballooning plate
- Solid formed 1-piece front cover/billet steel front cover
- Heavy Duty Torrington bearings
- Lockup clutch available (some models)
- Heavy Duty sprag
- Electronically balanced
- 2 year warranty



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HIGH STALL CONVERTERS

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STATOR

- This TCS unbreakable steel stator is hand welded and precision machined to insure maximum torque multiplication. This steel construction allows us to boast having one of the strongest assemblies in the industry.
- Stator washers are designed to accept one of the largest fully enclosed Torrington bearings able to be retrofitted inside high stall converters.
- Multiple vane angle configurations allow us to increase or decrease stall speeds.
- This unit comes with a lifetime guarantee against stator body breakage.

SPRAG

- Diode Sprag Assembly, recommended for engines producing 800 plus foot pounds of torque.
- Spragless Design, eliminates the one-way clutch, and is ideal for monster trucks, tractor pulls, mud bidders and blown alcohol engines.

PUMP

- Fully furnace brazed vanes with added silicone spot brazing at vane tips for optimum strength.
- New 4130 alloy pump drive hub re-enforced with 1/4 inch thick anti-ballooning plate, welded 360 degrees to the pump

TURBINE

- Fully furnace brazed vanes with added silicone spot brazing at vane tips for stability and optimum strength. This unit incorporates a 4140 heat treated steel input drive spline welded 360 degrees to the turbine assembly.

FRONT COVER

- Billet steel or solid formed 1-piece front covers to provide additional material where it counts, strengthening all areas prone to cracking, breakage and ballooning.
- All mounting surfaces are drilled to accept 7/16 inch grade 8 bolts and nuts.



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DIESEL TORQUE CONVERTERS

Domestic, Heavy Duty, Race & Extreme Applications



Celebrating **50 Years** in Business

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Transfer More Power to the ground with Improved Torque Efficiency

- Billet Front Covers
- Billet Aluminum & Fabricated Steel Stators
- Fully Furnace Brazed Pump & Turbine Assembly
- Steel Drive Splines Welded 360 Degrees vs Factory Rivets
- Unbreakable Steel Stator, Lifetime Warranty on Stator Body
- H.D. Torrington Enclosed Needle Bearings
- Electronically Balanced
- Lower Transmission Operating Temperatures
- Custom Stall Speed Option
- Single & Multi-Disc Lockup Designs
- Increased Fuel Mileage



Billet Aluminum Stators & Custom Steel Stators

The TCS billet aluminum stators are cnc machined from solid 7075 T6 aluminum. The stator is designed and tested to deliver the most efficient fluid flow possible while reducing heat buildup and energy loss. TCS offers 3 aluminum stator designs to best suit racing and towing applications. The custom steel stators reflect the same qualities and provide added strength with a lifetime warranty on the stator housing.

TCS's Heavy Duty Diesel Torque Converter

TCS Heavy Duty diesel torque converters deliver higher torque efficiency than the OEM converter design that actually reduces optimum performance capabilities. The added efficiency of our design will in some cases improve fuel economy by 1-3 mpg.

TCS has developed and tested methods to better mate the fluid coupling of a converter to the Power Band of today's Diesel Engines. Using the 3D imaging technology, we have been able to model and determine how to best alter the internal component clearances of the torque converter for maximum efficiency. We transferred this information to our 5th Axis CNC Mill and modified the fluid inlets and outlets of the Converter Reaction Member (Stator).