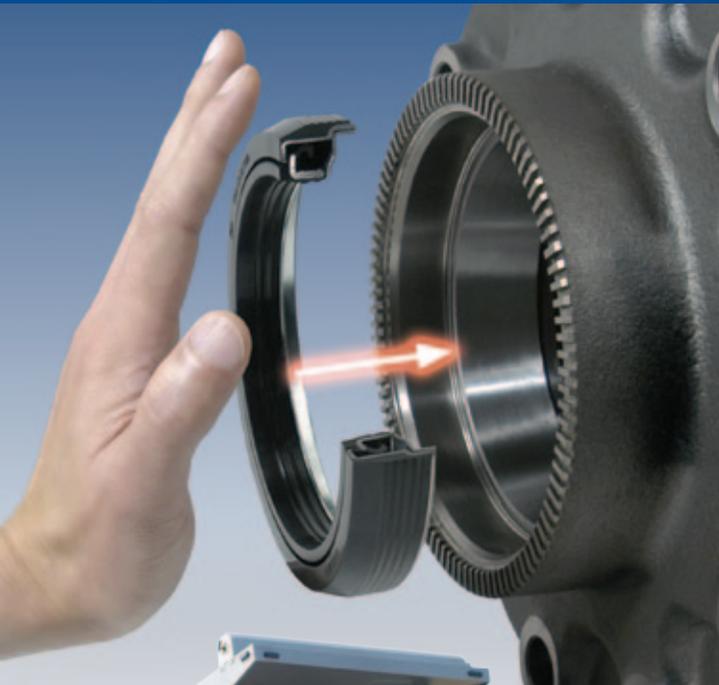


# DT<sup>®</sup> Components Drivetrain Products Marketed by The Timken Corporation

## Hand Installed Wheel Seals



DT Components<sup>®</sup> wheel seals are designed to be the easiest seal you will ever install. No tools are necessary. You simply lubricate the rubber outside diameter; align the seal with the hub, and hand press the seal into hub.

The ribbed design allows the seal to be easily installed without tools, but grips the hub bore so the seal cannot back out once the seal is seated. The wide rubber outside diameter completely seals inside the wheel hub and helps seal hub bore imperfections.

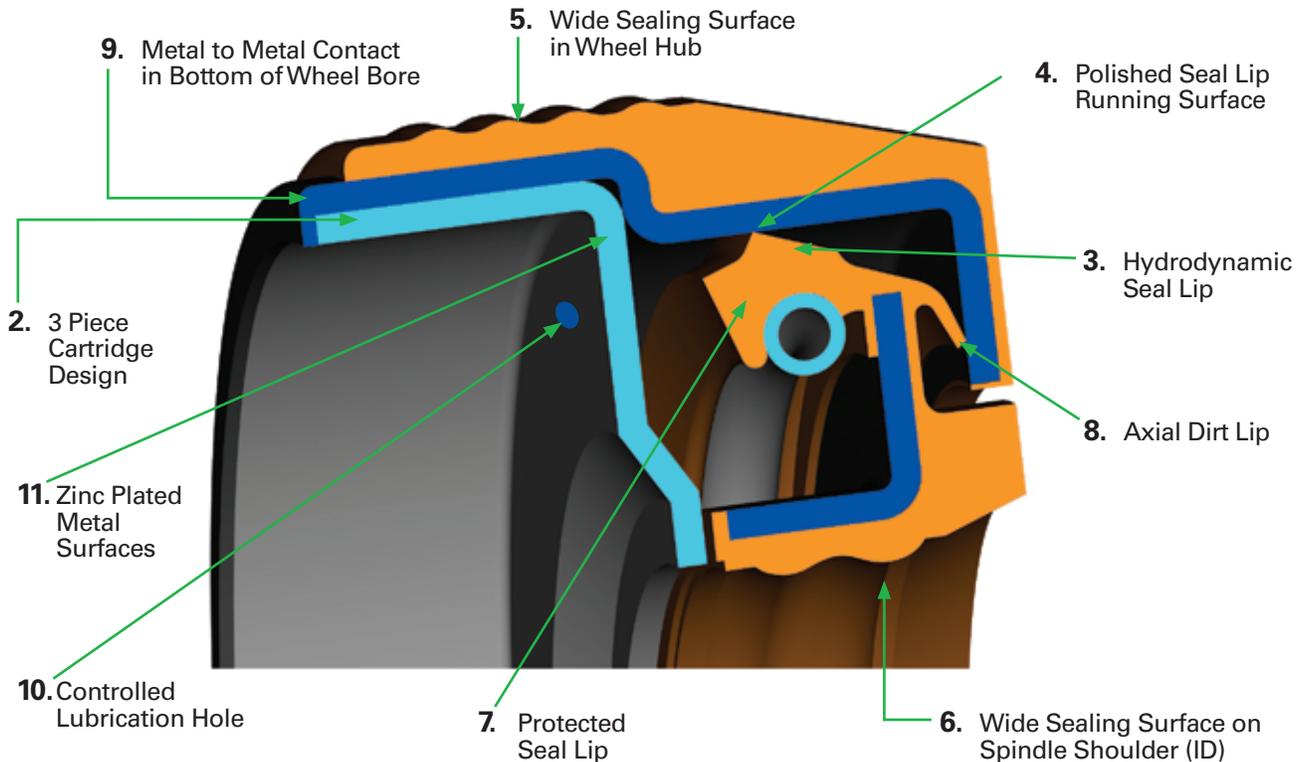
While being designed to be easily hand installed, the three piece cartridge outer wall provides maximum strength to support installation with any wheel seal manufacturer's installation tool. This enables the installer to choose the installation method and tool that he prefers.

DT Components wheel seals were designed in England by a billion dollar global company that supplies products to OEM's and aftermarket customers worldwide. Manufactured in a state of the art ISO/TS 16949 certified facility, DT Components wheel seals are subjected to strict quality control procedures during every step of the manufacturing process to ensure OEM's and aftermarket customers alike will receive the highest quality product.

DT Components is the most recognized and respected brand of differential and transmission rebuild kits in North America. The brand was created through a strategic alliance formed in 1997 by North Coast Bearings and The Timken Company to sell and market rebuild kits and drivetrain products to the heavy, medium and light duty aftermarkets.

Our mission is to provide the best value in differential and transmission kits and related components. Best value means Timken<sup>®</sup> tapered roller bearings, the best order fill, the fastest in-house turn-around time, US manufacturers' product where available, superior quality and personalized service.





## Wheel Seal Key Features

1. The wheel seals are designed to be easily hand installed or installed using any brand of wheel seal installation tools which reduces installation time and costs.
2. The seals outer wall is constructed with a robust 3 piece cartridge design to provide maximum strength.
3. The primary sealing lip is a hydrodynamic lip that pumps the oil back to the bearings helping with the bearing lubrication and has a centrifugal lip configuration that provides constant lip load at varying wheel speeds.
4. The primary sealing lip makes contact with a polished running surface which insures consistent seal contact and reduces friction and heat and extends the seals life.
5. The wheel seal has a wide sealing surface contact in the wheel hub providing maximum sealing and helps seal imperfections in the wheel hub.
6. The wheel seal also has a wide sealing surface on the spindle shoulder which helps seal spindle imperfections and provides maximum sealing.
7. The primary sealing lip is completely enclosed to prevent contamination and installation damage.
8. The axial dirt lip has a fixed wiper lip interference that excludes dirt and prevents pre-installation contamination.
9. The steel outer wall makes a metal to metal contact in the bottom of the wheel hub to insure proper seating and helps dissipate heat through the wheel hub.
10. Controlled lubrication holes maintains proper lubrication to the sealings lips and directs the oil back to the bearings.
11. All exposed metal surfaces are zinc plated to prevent corrosion.

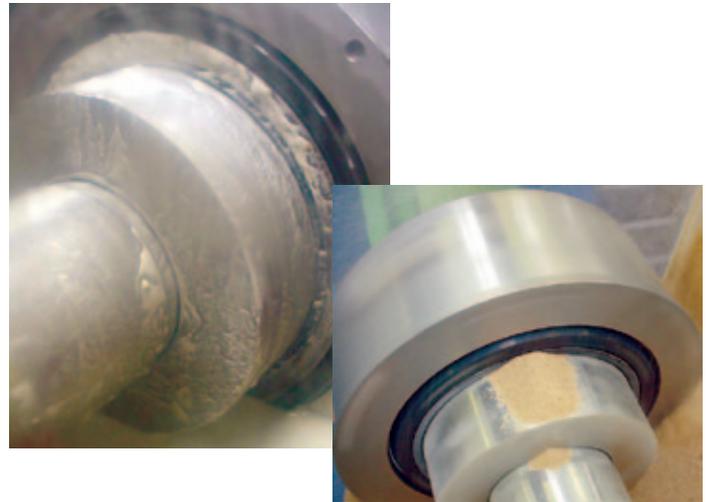
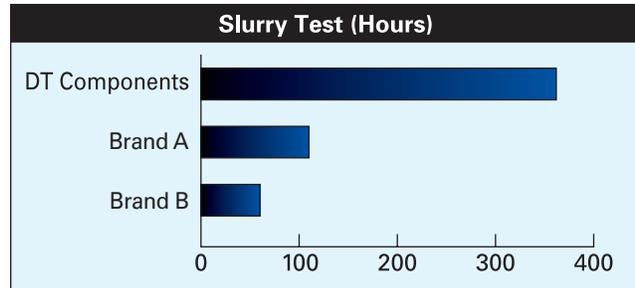
## Slurry Test

Extensive testing has been performed on the DT Components wheel seals to guarantee that our seals will out perform other brands of seals no matter how harsh the environment.

We installed the DT Components wheel seals and the competitor's wheel seals in an environmental testing rig and ran them head to head to see which seal would fail first. The seals were tested running half buried in sand as well being submerged in a slurry consisting of a mixture of salt, sand, aggressive dust and seawater to simulate the worst possible conditions for a wheel seal.

The DT Components wheel seal's hydrodynamic pumping lip and polished running surface kept contaminants from penetrating the seal and lasted up to three times longer than the competitor's wheel seals.

DT Components wheel seals superior design and simple installation provides customers a trouble free and better performing life than other brands of wheel seals.



## Quality

Manufactured in a state of the art ISO/TS 16949 certified facility, DT Components wheel seals are subjected to strict quality control procedures during every step of the manufacturing process to ensure OEM's and aftermarket customers alike will receive the highest quality product.



# Interchange

DT Components	CR Scotseal Scotseal Plus	National Standard Design	Stemco Guardian Grit Guard	Triseal Standard Service Unitized	Dana Outrunner
TM301	34387 34384	370047A	309-0935 392-9035	69785 65111U	-
TM302	42623 42622	370065A	307-0723 372-7099	69596 65262U	851
TM305	46305 46304	370025A	307-0743 372-7097	69598 65060U	859
TM309	38780 38779	370023A	309-0912 392-9099	69794 65152U	849
TM312	35066 35059	370001A	308-0836 382-8036	69699 65263U	847
TM315	43764 43763	370048A	308-0864 382-8064	69697 65092U	863
TM317	45103 45102	370131A	308-0856 382-8056	69696 65078U	857
TM318	42672 42671	370031A	309-0904 392-9112	69788 65071U	852
TM329	40136 40133	370036A	307-0713 372-7098	69561 65261U	850
TM333	47697 47695	370003A	309-0973 392-9131	69799 65156U	861
TM350	45099 45097	370022A	309-0903 392-9094	69796 65270U	856

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### DT Components Web Site

The informative DT Components web site contains product information, literature, customer login, and a link to our web catalog.

### DT Components Web Catalog

- Product Lookup by Application
- Kit Bill of Materials
- Interchanges
- Product Specifications
- Product Photos

