

# Set-Right™ Heavy-Duty Hub Rebuild Kits

# TIMKEN

Where You Turn

## Rebuild Your Hubs & Get the Timken Advantage

### Go With the Proven Leader

To make it easier and more convenient for you to rebuild hubs, Timken now offers **Set-Right™ Heavy-Duty Hub Rebuild Kits** incorporating two **Timken® MileMate® sets** – the original matched wheel bearing sets produced in North America – and a **precision OE spacer**.

Using our specially toleranced bearings in conjunction with a precision OE-machined spacer allows you to achieve the proper wheel bearing end-play, eliminating the need for manual bearing adjustment. The repeatability of the bearing setting range provides for optimum seal and bearing life. This consistency could help reduce fleet fuel costs.

We understand what the heavy-duty industry demands from their bearings and provide quality products that help keep fleets operating more efficiently and cost effectively. In fact, if you look inside your wheel-ends, the odds are in your favor that you'll find Timken bearings. Why not replace them with the original? Go with the proven leader.

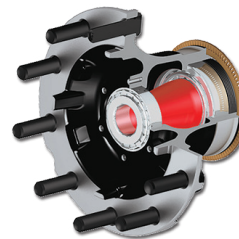
Timken is where you turn for original matched wheel bearing sets and the assurance that your bearings are Set-Right.

### Set-Right Kits – The Right Choice for You

- Enable faster and more reliable wheel-end builds; help improve up-time
- Reduce inventory with lower component counts
- Help optimize seal performance and life
- Eliminate manual adjustment, one of the leading causes of wheel end issues

### Timken Technology

In the mid-1970s, Timken engineers developed the Set-Right setting method to help optimize bearing performance. Then, in the mid-1990s, working with the leader in heavy-duty hub innovation, this pre-adjusted bearing technology was launched into the North American marketplace. The bearings used in these applications are known as half-stand bearings; they have half the stand tolerance (measurement tolerance) of that used in standard bearings. This means that the stand tolerance is twice as stringent (see diagram on backside). Timken has been supplying these bearings for the North American heavy-duty industry's most popular pre-adjusted wheel ends since 1995.



### Kit Components

#### Quality Timken® MileMate® Bearings

- Original equipment used in heavy-duty, pre-adjusted wheel hub assemblies since 1995
- Engineered exclusively for pre-adjusted wheel hubs
- Precise half-stand tolerancing provides accurate setting every time
- Consistent and reliable internal geometry equals known performance
- Helps lengthen maintenance intervals
- Helps optimize bearing performance
- Timken "NP" part numbers
  - Proprietary design
  - Enhanced surfaces
  - More precise internal bearing geometry
  - Exceed industry standards
  - Rebuilding with NP parts helps ensure you get all the advantages that were originally engineered into the heavy-duty, pre-adjusted hub systems

#### Precision Machined Cone Spacer

- Designed for the rigorous demands of the heavy-duty wheel market
- Made from high-strength alloy
- Manufactured to precise tolerances
- Combined with Timken half-stand bearings and a special toleranced hub, the need for manual adjustment is eliminated



## Set-Right Heavy-Duty Hub Rebuild Kits and Components

FFTC1 - FF Steer Kit			
Kit Contents	MileMate® P/N	Component P/N	Qty
Inner half-stand NP cone	SET427*	NP899357	1
Inner half-stand NP cup		NP026773	1
Outer half-stand NP cone	SET428*	NP874005	1
Outer half-stand NP cup		NP435398	1
Spacer**			1

RDTC1 - R Drive Kit			
Kit Contents	MileMate® P/N	Component P/N	Qty
Inner half-stand NP cone	SET429*	NP034946	1
Inner half-stand NP cup		NP363298	1
Outer half-stand NP cone	SET430*	NP840302	1
Outer half-stand NP cup		NP053874	1
Spacer**			1

TNTC1 - N Trailer Kit			
Kit Contents	MileMate® P/N	Component P/N	Qty
Inner half-stand NP cone	SET431*	NP965350	1
Inner half-stand NP cup		NP503727	1
Outer half-stand NP cone	SET427*	NP899357	1
Outer half-stand NP cup		NP026773	1
Spacer**			1

TPTC1 - P Trailer Kit			
Kit Contents	MileMate® P/N	Component P/N	Qty
Half-stand NP cone	SET432*	NP174964	2
Half-stand NP cup		NP593561	2
Spacer**			1

FLTC1 - FL Steer Kit			
Kit Contents	MileMate® P/N	Component P/N	Qty
Inner half-stand NP cone	SET445*	NP294109	1
Inner half-stand NP cup		NP039695	1
Outer half-stand NP cone	SET446*	NP107091	1
Outer half-stand NP cup		NP183330	1
Spacer**			1

RDTC2 - 454-Series™ R Drive Kit			
Kit Contents	MileMate® P/N	Component P/N	Qty
Inner half-stand NP cone	SET600*	NP454946	1
Inner half-stand NP cup		NP454298	1
Outer half-stand NP cone	SET601*	NP454302	1
Outer half-stand NP cup		NP454874	1
Spacer**			1

TNTC2 - 454-Series™ N Trailer Kit			
Kit Contents	MileMate® P/N	Component P/N	Qty
Inner half-stand NP cone	SET602*	NP454350	1
Inner half-stand NP cup		NP454727	1
Outer half-stand NP cone	SET603*	NP454357	1
Outer half-stand NP cup		NP454773	1
Spacer**			1

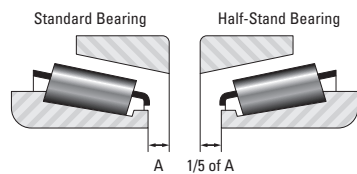
TPTC2 - 454-Series™ P Trailer Kit			
Kit Contents	MileMate® P/N	Component P/N	Qty
Half-stand NP cone	SET604*	NP454964	2
Half-stand NP cup		NP454561	2
Spacer**			1

\* Includes proprietary Timken part numbers  
 \*\* Spacer not sold separately

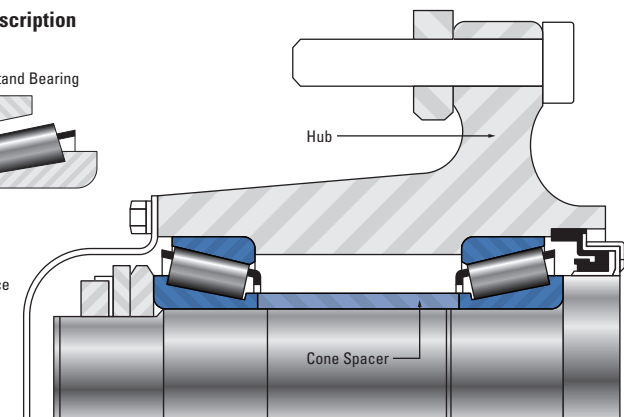
**CAUTION**

Prior to retrofitting or rebuilding your existing pre-adjusted wheel-end, you must start with the proper hub. Hubs designed for use with the Set-Right kits have special internal tolerancing that helps achieve maximum performance. Contact your hub supplier if you are unsure. The use of a standard hub will create an undesirable setting range, which may result in component damage.

### Controlled Width Bearing Description



Assembled Stand Tolerance = Measurement between the cone front face and cup back face  
 Standard bearing tolerance = A  
 Half-stand bearing tolerance = 1/5 of A



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