



# TIMKEN

## Deliver More

### Expand Your Business into the Medium-Duty Vehicle Aftermarket

Medium-duty vehicles work hard every day delivering goods, services, packages and even people to their destinations, but maintaining them with affordable aftermarket parts can be a challenge. Timken is making it easier.

For our authorized Timken distributors, we are delivering new sales opportunities in the medium-duty vehicle aftermarket with a growing portfolio of competitively priced, high-quality products.

This is a familiar business for us. For decades, Timken has delivered quality bearing sets, hubs, seals and other components specifically

for medium-duty vehicles through both the original equipment and aftermarket channels.

The difference is that we are accelerating our impact on the vital medium-duty vehicle aftermarket by strategically offering a growing number of complete solutions to help you expand your market reach.

In addition, Timken provides an online tool, [TimkenInfo.com](http://TimkenInfo.com), to help you find the right replacement parts for your medium-duty customers. [TimkenInfo.com](http://TimkenInfo.com) can provide you the exact Timken part number needed for a specific year, make and model of vehicle.

#### Classes 4 & 5 (14,001-19,500 lbs.)



Conventional Van



Cab Forward with Van Body



Long Wheel-base Walk-in Van



Walk-in Van

#### Class 6 (19,501-26,000 lbs.)



Single Axle Van



Stake



School



CDE Van

Stronger. Commitment. | Stronger. **By Design.**

## RECOMMEND TIMKEN QUALITY FOR HARD-WORKING MEDIUM-DUTY TRUCKS

Owners and operators of medium-duty trucks may need replacement bearings, wheel hub units or seals sooner than they expect. Studies show Timken products for medium-duty vehicles last longer than competitive products and can result in fewer comebacks.<sup>†</sup> Be sure to offer customers quality they can count on.

<sup>†</sup>Based on a survey conducted in 2011 by an independent research firm of professional technicians at independent repair shops in the U.S.

### TIMKEN® TAPERED ROLLER BEARINGS OFFER:

#### OPTIMAL LOAD DISTRIBUTION

Timken bearings are precision-engineered to distribute loads evenly across contact surfaces, reducing stress on bearing components.



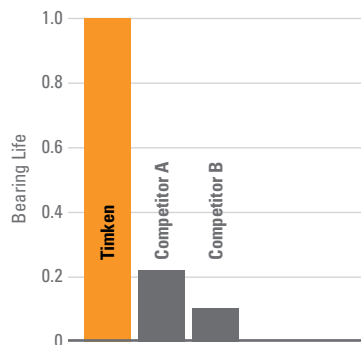
#### EXTENDED BEARING LIFE

The industry expert on tapered roller bearings, Timken designs bearing components with uniform internal geometry for long-lasting operations.

#### BETTER FUEL EFFICIENCY

Enhanced surface finishes on races and rollers help improve operating efficiency by reducing friction.

Timken® Tapered Roller Bearings Last More Than Four Times Longer than Popular OE Bearings



Comparison testing with 575 Series bearings from OE bearing manufacturers A and B. Information derived from Timken Accelerated Life Testing, using significant statistical samplings of bearings in a controlled test environment.

### TIMKEN® WHEEL HUB UNITS OFFER:

#### IMPROVED BRAKE PERFORMANCE

Low hub flange runout helps minimize rotor deflection, reducing brake noise and vibration.



#### RELIABLE SENSOR

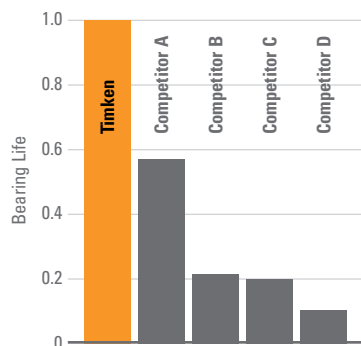
Designed to ensure the anti-lock braking system (ABS) functions properly.

#### INCREASED VEHICLE CONTROL

Timken patented roll-forming technology contributes to a stronger, lighter wheel-end.

Timken® Wheel Hub Units Last Twice as Long as Economy-Line Competitors'

Timken recently benchmarked our manufactured wheel hub units against competitive economy-line products. The bearings were for the same vehicle application and were evaluated using the same test conditions.



Information derived from Timken Standard Hub/Bearing Accelerated Durability Rig Test. Testing methods accepted by original equipment manufacturers. (SP450300, 513200)

\*Weibull life based on statistically small sample size.

### TIMKEN® OIL BATH SEALS OFFER:

#### EASE OF INSTALLATION

Reinforced outer case helps prevent installation damage and enhances durability.



#### ENHANCED SEALING

Ribbed rubber inner diameter is designed to seal minor spindle imperfections and promote positive spindle seating.

#### RESISTANCE TO SEAL LIP DAMAGE

Internal contamination exclusion system helps prevent debris penetration which may lead to leakage.

#### OPTIMAL SEAL LIFE

Vent holes allow lubricants to flow freely around the seal lip – cooling seal components and removing heat build-up.

# TIMKEN MEDIUM-DUTY PRODUCT OFFERING

The following tables display a sampling of Timken medium-duty part numbers. Visit [TimkenInfo.com](http://TimkenInfo.com) for a complete listing.

<b>DODGE TRUCK - Medium Duty - RAM4000, RAM4500, RAM5500</b>				
YEAR, MODEL	LOCATION	PART NO.	SET: CONE-CUP	QTY.
<b>Front Wheel RWD</b>				
<b>2010-2008 RAM4500, RAM5500</b>				
Hub Unit Bearing		HA590273		2
<b>2006-2005 RAM4000</b>				
Hub Unit Bearing		SP550103		2
<b>Front Wheel 4WD</b>				
<b>2010-2008 RAM4500, RAM5500</b>				
Hub Unit Bearing		HA590273		2
<b>Rear Wheel RWD &amp; 4WD</b>				
<b>2010-2008 RAM4500, RAM5500</b>				
Seal	Inner	710454		2
Set	Inner	SET269	33281-33462	2
Set	Outer	SET704	39250-39412	2
<b>RAM TRUCK - Medium Duty - 4500, 5500</b>				
YEAR, MODEL	LOCATION	PART NO.	SET: CONE-CUP	QTY.
<b>Front Wheel RWD &amp; 4WD</b>				
<b>2016-2015 4500, 5500</b>				
Hub Unit Bearing		HA590273		2
<b>2013-2014 4500, 5500</b>				
Hub Unit Bearing		HA590516		2
<b>2012-2011 4500, 5500</b>				
Hub Unit Bearing		HA590273		2
<b>Rear Wheel RWD &amp; 4WD</b>				
<b>2016-2011 4500, 5500</b>				
Seal	Inner	710454		2
Set	Inner	SET269	33281-33462	2
Set	Outer	SET704	39250-39412	2

<b>FORD TRUCK - Medium Duty - E450 Super Duty, E550 Super Duty, F450 Super Duty, F550 Super Duty</b>				
YEAR, MODEL	LOCATION	PART NO.	SET: CONE-CUP	QTY.
<b>Front Wheel RWD &amp; 4WD</b>				
<b>2016-2011 F450 Super Duty (Chassis Cab), F550 Super Duty</b>				
Hub Unit Bearing (RWD)		HA590438		2
Hub Unit Bearing (4WD)		HA590439		2
<b>2016-2011 F450 Super Duty (Excludes: Chassis Cab)</b>				
Hub Unit Bearing		HA590440		2
<b>Front Wheel RWD</b>				
<b>2016-2001 E450 Super Duty; Twin I-Beam Axle</b>				
Seal	Inner	SL260029		2
Set	Inner	SET47	LM102949-LM102910	2
Set	Outer	SET471	15101-15245	2
<b>2012-2011 F450 Super Duty, F550 Super Duty; Mono Beam Axle</b>				
Hub Unit Bearing		HA590438		2
<b>2010-2005 F450 Super Duty, F550 Super Duty; Mono Beam Axle</b>				
Hub Unit Bearing		SP940203		2
<b>2009-2007 F450 Super Duty, F550 Super Duty; Twin I-Beam Axle</b>				
Seal	Inner	710584		2
Set	Inner	SET702	NP123221-NP787333	2
Set	Outer	SET703	NP903590-NP640324	2
<b>2006-2000 F450 Super Duty, F550 Super Duty; Twin I-Beam Axle</b>				
Seal	Inner	4160		2
Set	Inner	SET47	LM102949-LM102910	2
Set	Outer	SET471	15101-15245	2
<b>2004-2000 F450 Super Duty, F550 Super Duty; Mono Beam Axle</b>				
Hub Unit Bearing		HA590233		2
<b>2003-2002 E550 Super Duty</b>				
Seal	Inner	710640		2
Set	Inner	SET47	LM102949-LM102910	2
Set	Outer	SET471	15101-15245	2
<b>Rear Wheel RWD &amp; 4WD</b>				
<b>2016-2000 F450 Super Duty (Chassis Cab), F550 Super Duty</b>				
Seal	Inner	710454		2
Set	Inner	SET269	33281-33462	2
Set	Outer	SET704	39250-39412	2
<b>2016-2011 F450 Super Duty (Excludes: Chassis Cab)</b>				
Seal	Inner	9864S		2
Set	Inner	SET76	387AS-382A	2
Set	Outer	SET38	LM104949-LM104911	2
<b>Rear Wheel RWD</b>				
<b>2016-2008 E450 Super Duty</b>				
Seal	Inner	9864S		2
Set	Inner	SET76	387AS-382A	2
Set	Outer	SET38	LM104949-LM104911	2
<b>2007-2006 E450 Super Duty</b>				
Seal	Inner	9864S (Non-ESP)		2
Seal	Inner	710586 (ESP)		2
Set	Inner	SET76	387AS-382A	2
Set	Outer	SET38	LM104949-LM104911	2
<b>2005-2000 E450 Super Duty, E550 Super Duty</b>				
Seal	Inner	9864S		2
Set	Inner	SET76	387AS-382A	2
Set	Outer	SET38	LM104949-LM104911	2

<b>FREIGHTLINER - Medium Duty - M2 106</b>				
YEAR, MODEL	LOCATION	PART NO.	SET, CONE-CUP	QTY.
<b>Front Wheel RWD</b>				
<b>2013-2003 (7,500 - 8,000 lb. Axle)</b>				
Seal	Inner	370150A		2
Set	Inner	SET1177	JM207049A-JM207010	2
Set	Outer	SET321	25877-25820	2
<b>2013-2003 Manual Adjust Hub (12,000 - 18,000 lb. Axle)</b>				
Seal	Inner	370001A		2
Set	Inner	SET413	HM212049-HM212011	2
Set	Outer	SET406	3782-3720	2
<b>2013-2003 Manual Adjust Hub, Wide Single Tire (12,000 - 18,000 lb. Axle)</b>				
Seal	Inner	370001A		2
Set	Inner	SET440	NP454049-NP454011	2
Set	Outer	SET496	NP454782-NP454720	2
<b>2013-2003 Preset Spacer Hubs (12,000 - 18,000 lb. Axle)</b>				
Seal	Inner	370001A		2
Set-Right Kit	Inner	FFTC1		2 <sup>48</sup>
Set	Inner	SET427	NP899357-NP026773	2
Set	Outer	SET428	NP874005-NP435398	2
<b>2013-2003 Preset Spacer Hubs, Wide Single Tires (12,000 - 18,000 lb. Axle)</b>				
Seal	Inner	370001A		2
Set Right Kit	Inner	FFTC2		2 <sup>48</sup>
Set	Inner	SET603	NP454357-NP454773	2
Set	Outer	SET605	NP454005-NP454398	2
<b>Rear Wheel RWD</b>				
<b>2013-2003 (17,000 - 19,000 lb. Axle)</b>				
Seal	Inner	370023A		2 <sup>57</sup>
Set	Inner	SET411	47686-47620	2
Set	Outer	SET408	39590-39520	2
<b>2013-2003 Manual Adjust Hub (21,000 - 26,000 lb. Axle)</b>				
Seal	Inner	370003A		2 <sup>57</sup>
Set	Inner	SET403	594A-592A	2
Set	Outer	SET401	580-572	2
<b>2013-2003 Manual Adjust Hub, Wide Single Tire (21,000 - 26,000 lb. Axle)</b>				
Seal	Inner	370003A		2 <sup>57</sup>
Set	Inner	SET441	NP454248-NP454210	2
Set	Outer	SET440	NP454049-NP454011	2
<b>2013-2003 Preset Spacer Hubs (21,000 - 26,000 lb. Axle)</b>				
Seal	Inner	370003A		2 <sup>57</sup>
Set-Right Kit	Inner	RDTC1		2 <sup>48</sup>
Set	Inner	SET429	NP034946-NP363298	1
Set	Outer	SET430	NP840302-NP053874	1
<b>2013-2003 Preset Spacer Hubs, Wide Single Tires (21,000 - 26,000 lb. Axle)</b>				
Seal	Inner	370003A		2 <sup>57</sup>
Set-Right Kit	Inner	RDTC2		2 <sup>48</sup>
Set	Inner	SET600	NP454946-NP454298	1
Set	Outer	SET601	NP454302-NP454874	1

<sup>48</sup>Includes: 2 Half Stand Bearing Sets, 1 Spacer  
<sup>57</sup>Oil Bath Seal

<b>CHEVROLET/GMC TRUCK - Medium Duty - 40, 50, 60, 70, 4100, 4400, 4500, Express/Savana 4500</b>				
YEAR, MODEL	LOCATION	PART NO.	SET, CONE-CUP	QTY.
<b>Front Wheel RWD</b>				
<b>2016-2009 Express 4500 (9,800 lb. GVW or less)</b>				
Hub Unit Bearing		HA590352		2
<b>2016-2009 Express 4500 (9,900 lb. GVW or greater)</b>				
Hub Unit Bearing		HA590353		2
<b>2009-2003 C4500 (up to 7,000 lb. Axle)</b>				
Set	Inner	SET54	25590-25520	2
Set	Outer	SET5	LM48548-LM48510	2
<b>2009-2003 C4500 (with 7,000 lb. Axle)</b>				
Seal	Inner	370150A		2
Set	Inner	SET1177	JM207049A-JM207010	2
Set	Outer	SET5	LM48548-LM48510	2
<b>2009-2003 C5C042 (with 8,000 lb. Axle)</b>				
Seal	Inner	370150A		2
Set	Inner	SET5	JM207049A-JM207010	2
Set	Outer	SET321	25877-25820	2
<b>Rear Wheel RWD</b>				
<b>2016-2009 Express 4500</b>				
Seal	Inner	SL260002		2
Set	Inner	SET846	NP706218-NP910345	2
Set	Outer	SET847	NP145100-NP913325	2
<b>2009-2003 C4500 (with Dana 13,500 lb. Axle)</b>				
Seal	Inner	370169A		2
Set	Inner	SET105	33287-33462	2
Set w/ S Brake Cam	Outer	SET118	JLM506849-JLM506810	2
Set w/o S Brake Cam	Outer	SET103	3982-3920	2
<b>2009-2003 Dana S130 Axle</b>				
Seal	Inner	370169A		2
Set	Inner	SET105	33287-33462	2
Set	Outer	SET103	3982-3920	2
<b>2009-2003 Eaton Axle</b>				
Seal	Inner	370023A		2 <sup>57</sup>
Set	Inner	SET411	47686-47620	2
Set	Outer	SET408	39590-39520	2

<sup>48</sup>Includes: 2 Half Stand Bearing Sets, 1 Spacer  
<sup>57</sup>Oil Bath Seal

### HINO TRUCK - Medium Duty - 268 Series

YEAR, MODEL	LOCATION	PART NO.	SET: CONE-CUP	QTY.
<b>Front Wheel RWD</b>				
<b>2013-2005 MFS-10 (10K Axle with 12K Spring)</b>				
Seal	Inner	370001A		2
Set	Inner	SET413	HM212049-HM212011	2
Set	Outer	SET406	3782-3720	2
<b>2013-2005 MFS-10 (10K Axle with 8K Spring)</b>				
Seal	Inner	370150A		2
Set	Inner	SET1177	JM207049A-JM207010	2
Set	Outer	SET321	25877-25820	2
<b>Rear Wheel RWD</b>				
<b>2013-2005 RS19-145</b>				
Seal	Inner	370023A		2 <sup>57</sup>
Set	Inner	SET411	47686-47620	2
Set	Outer	SET408	39590-39520	2

### HINO TRUCK - Medium Duty - 268A Series

YEAR, MODEL	LOCATION	PART NO.	SET: CONE-CUP	QTY.
<b>Front Wheel RWD</b>				
<b>2013-2008 MFS-10</b>				
Seal	Inner	370001A		2
Set	Inner	SET413	HM212049-HM212011	2
Set	Outer	SET406	3782-3720	2
<b>Rear Wheel RWD</b>				
<b>2013-2008 RS19-145</b>				
Seal	Inner	370003A		2 <sup>57</sup>
Set	Inner	SET403	594A-592A	2
Set	Outer	SET401	580-572	2

<sup>48</sup>Includes: 2 Half Stand Bearing Sets, 1 Spacer

<sup>50</sup>Oil Bath Seal

### ISUZU TRUCK - Medium Duty - NPR, NPR HD, NQR

YEAR, MODEL	LOCATION	PART NO.	SET: CONE-CUP	QTY.
<b>Front Wheel RWD</b>				
<b>2014-2000 NPR, NPR HD, NQR</b>				
Seal	Inner	474230		2
Bearing Assembly (Set)*	Inner	32210M		2
Bearing Assembly (Set)*	Outer	32207M		2
<b>Rear Wheel RWD</b>				
<b>2014-2008 NQR</b>				
Seal	Inner	SL260112		2
Bearing Assembly (Set)*	Inner	30213M		2
Seal	Outer	710081		2
Set	Outer	SET701	28680-28622	2
<b>2014-2004 NPR; Diesel and 2014-2008 NPR HD; Diesel</b>				
Seal	Inner	710080		2
Set	Inner	SET705	29586-29520	2
Seal	Outer	710081		2
Set	Outer	SET701	28680-28622	2
<b>2013-2000 NPR; Gas; Class 3; GVWR 10,001 lb. - 14,000 lb.</b>				
Seal	Inner	710080		2
Set	Inner	SET705	29586-29520	2
Seal	Outer	710081		2
Set	Outer	SET701	28680-28622	2
<b>2013-2000 NPR; Gas; Class 4; GVWR 14,001 lb. - 16,000 lb.</b>				
Seal	Inner	SL260112		2
Bearing Assembly (Set)*	Inner	30213M		2
Seal	Outer	710081		2
Set	Outer	SET701	28680-28622	2
<b>2007-2004 NPR HD, NQR; Class 4; GVWR 14,001 lb. - 16,000 lb.</b>				
Seal	Inner	710080		2
Set	Inner	SET705	29586-29520	2
Seal	Outer	710081		2
Set	Outer	SET701	28680-28622	2
<b>2007-2004 NPR HD, NQR; Class 5; GVWR 16,001 lb. - 19,500 lb.</b>				
Seal	Inner	SL260112		2
Bearing Assembly (Set)*	Inner	30213M		2
Seal	Outer	710081		2
Set	Outer	SET701	28680-28622	2
<b>2003-2000 NPR, NQR; Diesel; 292 mm HD Axle</b>				
Seal	Inner	710080		2
Set	Inner	SET705	29586-29520	2
Seal	Outer	710081		2
Set	Outer	SET701	28680-28622	2
<b>2003-2000 NPR, NQR; Diesel; 320 mm HD Axle</b>				
Seal	Inner	SL260112		2
Bearing Assembly (Set)*	Inner	30213M		2
Seal	Outer	710081		2
Set	Outer	SET701	28680-28622	2

\*Cups and cones are not sold separately.

## TIMKENINFO.COM. YOUR 24/7 RESOURCE FOR TIMKEN PART INFORMATION

TimkenInfo.com, a powerful online resource tool, provides you with up-to-date part lists, interchange information and in-depth product details for a growing number of medium-duty vehicles to help you get the correct part every time. Your team at Timken continues to expand this database with more interchange information on medium-duty vehicles.

- 1 Insert year, make and model
- 2 Select the type of product needed
- 3 Click on the part number to view part details

The screenshot shows the Timken Parts Catalog website. At the top, there is a navigation bar with the Timken logo, 'Parts Catalog', and social media icons. Below this is a search bar with tabs for 'Application', 'Heavy Duty Vehicles', 'Cross Reference', 'Part Search', 'Knowledge Center', 'Info Request', and 'Distributor Locator'. The search criteria are: Year: 2014, Make: CHEVROLET, Model: EXPRESS 4500, Product: WHEEL BEARINGS, SEALS, and Engine: All. Below the search bar is a table of results with columns: Location, Part Number, Part Type, Qty, Comment, and Application. The table lists various parts for the front and rear of the vehicle, including wheel bearings, seals, and race sets. Red circles with numbers 1 through 5 are overlaid on the interface to indicate key steps: 1 points to the search criteria fields, 2 points to the 'Product' dropdown, 3 points to a part number in the table, 4 points to the 'Cross Reference' tab, and 5 points to the 'Part Search' tab.

4 Enter the OE or non-Timken part number. The cross reference tab gives you the matching Timken part.

5 Enter the Timken part number on the part search tab to get all the details specific to that part.

## DEMAND INSIGHT®. THE RIGHT PART IN THE RIGHT PLACE AT THE RIGHT TIME.

Optimize and manage your inventory using the Timken online application Demand Insight®. View critical data on product lifecycles and market demand – even in your local geographic area. Launch Demand Insight from TimkenStore.com.

Expand your business into the medium-duty aftermarket by recommending and using Timken products and services. Contact a Timken sales representative today to discover how our medium-duty products and services can strengthen your customers' trust and expand your opportunities. (866) 9-TIMKEN (984-6536).

# TIMKEN

The Timken team applies their know-how to improve the reliability and performance of machinery in diverse markets worldwide. The company designs, makes and markets high-performance mechanical components, including bearings, gears, belts, chain and related mechanical power transmission products and services.

[www.timken.com/medium-duty](http://www.timken.com/medium-duty)

Stronger. Commitment. Stronger. Value. Stronger. Worldwide. Stronger. Together. | Stronger. By Design.

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