

CONSISTENT GLOBAL BEARING QUALITY

- Advanced Product Quality Process
 - One worldwide quality standard
 - Incoming inspection
 - Dimensional & visual standards
- Metallurgical Testing
 - Lower Inclusions
 - Proper Grain Flow
 - Heat Treat Patterns
- Validation Testing
 - Sensor Output
 - Hub Flange Run-Out
 - Structural Fatigue
 - Bearing Durability
 - Stud Testing
 - Crack Detection

Genuine Timken
Parts Wear
Our Brand

TIMKEN

Timken's High Product Standards Provides Their Customers With Consistent High Quality

Timken Quality Has Earned Them More OEM Business - We Build Better Bearings

RECENT OE WINS



CHALLENGING APPLICATION: FORD SUPER-DUTY F-250-550

- 94mm tapered hub unit
- Manufactured at the Alta Vista, VA USA plant
- 10 part numbers
- OE Competitor Benchmarking
 - Timken hub fatigue tests – all failed
 - Only 60% passed durability (life) test
 - Failure modes
 - Locked up
 - Cracked
 - Excessive vibration



Ford Super Duty Hubs

SP940200	2005-10	F250, F350 SRW
SP940201	2005-10	F250, F350 DRW
SP940202	2005-10	F450, F550 4WD
SP940203	2005-10	F450, F550 RWD
SP940204	2005-10	F350 08-10 DRW
HA590435	2011-15	F250, F350 SRW
HA590437	2011-15	F250, F350 DRW
HA590438	2011-15	F450, F550 RWD
HA590439	2011-15	F450, F550 4WD
HA590440	2011-15	F450 Excludes: Chassis Cab

- ❖ Timken Offering: Majority Of Product OEM Content
- ❖ Timken: Large % Of Hubs North America Made
- ❖ Timken: **TWICE The Life Verse Economy Hubs**
- ❖ Timken: Brand Preferred Professional Installers

➤ **75% Of Technicians Rated Timken A Premium Brand**

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