

# STEMCO®

## WHEEL END PRODUCTS

PART NUMBER 574-0140 REV. 10/10



*A Higher Standard of Performance.<sup>SM</sup>*



**STEMCO**  
**DUROLINE**



**STEMCO**  
**CREWSON**

  
**STEMCO®**  
*A Higher Standard of Performance.™*  
an EnPro Industries company

# STEMCO® Hub Seal Selection

STEMCO® has provided the trucking industry with reliable hub seals for more than 40 years. Throughout our history, we have recognized the need for tougher, longer life seals that meet the performance, design and price requirements related to selecting the right seal for any fleet. To meet that need, STEMCO has engineered a menu of sealing options designed to meet the varying performance expectations of each fleet, all in an effort to maximize performance and value.

## Discover®

**HIGH PERFORMANCE  
LONG LIFE**

Discover® is designed for the long haul carrier seeking high performance components. The Discover® Seal is an excellent choice for fleets running outboard-mounted drums that allow brake changes without seal replacement. The long life characteristics of this seal, proven in testing that exceeds competitive products' performance by five times, make it the industry choice for performance driven fleet managers.



## Voyager®

**BRAKE JOB  
- TO -  
BRAKE JOB DURABLE**

The Voyager® Seal is designed for regional route trucks, city delivery and coach applications. Rugged design, simple installation and proven performance make Voyager® the right choice for fleets looking for a superior brake job-to-brake job seal. In the everyday stop-and-go traffic environment these vehicles experience, the Voyager® Seal is the best value.



## Endeavor®

**HIGH PERFORMANCE  
FOR PRESET  
WHEEL ENDS**

Endeavor® is a hub installed unitized seal and features a high temperature elastomeric co-polymer sealing element for increase performance. An "active" contaminate exclusion system protects the sealing element to provide unmatched performance to lengthen the life of the seal. Endeavor® seal is approved for ContMet PreSet® wheel ends.



## Guardian® HP

**AMERICAN TRAILER  
STANDARD  
LONG LIFE**

The Guardian® HP is the standard seal for trailer and axle original equipment manufacturers. The axle installation is durable and unique, and has proven successful for more than 25 years. Today, its enhanced features offer improved cost-per-mile performance. With simple one-step axle installation, Guardian® HP is the seal of choice in the trailer industry.



## GRITGUARD®

**RUGGED & DURABLE**

Always rough and ready, Grit Guard® has endured more than forty years of dirty, unfriendly road environments that destroy wheel end components. So with this forty year plus track record of performance, Grit Guard® endures where others fail, and is still the choice for fleets working in grueling environments.



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**STEMCO**

300 INDUSTRIAL BLVD. (ZIP 75602-4720)

P.O. BOX 1989, LONGVIEW, TEXAS 75606-1989

(903) 758-9981 • FAX (903) 232-3508 • INTERNET <http://www.stemco.com>

# VMRS Codes

Product Description		ATA/VMRS Code*	STEMCO Part No. Series
Axle Rings	Drive	<b>18-002-014</b> (STMCO)	<b>310-1000</b> Series
	Dead	<b>18-001-015</b> (STMCO)	
Bearing Spacers		<b>18-001-013</b> (STMCO)	<b>357-5700</b> Series
Gaskets		<b>18-003-017</b> (STMCO)	<b>330-3000</b> Series
Grit Guard® Deflector Rings	Drive	<b>18-002-014</b> (STMCO)	<b>315-1500</b> Series
	Dead	<b>18-001-015</b> (STMCO)	
Hub Caps		<b>18-003-003</b> (STMCO)	<b>300-, 303-, 340-, 342-, 343-, 348-, 349-, 350-, 352-, 353-, 356, &amp; 358-0000-</b> Series
Hubodometers		<b>51-002-002</b> (STMCO)	<b>650-0000</b> Series
Hubodometer Brackets		<b>51-002-002</b> (STMCO)	<b>610-0000</b> Series
Hubodometer Hub Caps		<b>51-002-004</b> (STMCO)	<b>640-0000</b> Series
Locating Rings		<b>18-001-013</b> (STMCO)	<b>356-5600</b> Series
Miscellaneous Components (including Hub Cap Parts)		None	<b>359-5900</b> Series
O-Rings		<b>18-003-015</b> (STMCO)	<b>355-5500</b> Series
Oil Seals (Standard)	Drive	<b>18-002-005</b> (STMCO)	<b>320-2000</b> Series
	Dead	<b>18-001-004</b> (STMCO)	
Oil Seal Sets:	Drive Axle	<b>18-002-028</b> (STMCO)	<b>392-9000</b> Series
			<b>309-0900, 391- &amp; 393-0000</b> Series
	Front Axle	<b>18-001-026</b> (STMCO)	<b>382-8000</b> Series
			<b>308-0800 &amp; 383-0000</b> Series
Trailer, Tag or Pusher Axle	<b>18-004-001</b> (STMCO)	<b>372-7000</b> Series	
		<b>307-0700 &amp; 373-0000</b> Series	
Pinion Seals		<b>24-002-017</b> (STMCO)	<b>429-0000 &amp; 460-0000</b> Series
Shoulder Bushings		<b>18-001-013</b> (STMCO)	<b>364-6400</b> Series
Tools:	Fleet Hub Tools	None	<b>551-5300</b> Series
	Heavy Duty Axle Tools	None	<b>552-5200</b> Series
	Universal Tool Body & Accessories	None	<b>555-0000</b> Series
	Universal Tool Heads	None	<b>555-5000</b> Series

\* American Trucking Association/Vehicle Maintenance Reporting Standards

# HUB INSTALLED

## UNITIZED DESIGN

### Endeavor®



#### Increase the Performance Expectations of Wheel Ends

The Endeavor® seal features a high temperature elastomeric co-polymer sealing element. The revolutionary design incorporates hydrodynamic “pumping” features to keep the lubricant where it is intended to be.

#### Maintain the Lubricant’s Integrity to Lengthen the Life of the Seal

The premium sealing element is protected by a four-zone labyrinth to provide unmatched contaminant exclusion and performance.

#### Have Complete Confidence During the Installation Stage

Endeavor® seal’s piloted entry allows an easy and square installation every time. The ridged steel case is the impact point for the tool head to maintain the internal geometries.

#### Reduce Removal Time and Effort Without Special Tools or Adjacent Component Damage

The Endeavor® seal consists of a bonded, ribbed rubber OD and ID for easier removals, yet STEMCO’s patented “SMART” anti-rotation features insure positive positioning and locking of the seal to the spindle.

#### ConMet PreSet Hub for Trailer Applications

STEMCO Endeavor® is Standard in ConMet PreSet Hubs. Coverage is available for popular FF and R series (tractor) and TN and TP (trailer) applications.



**STEMCO®**

*A Higher Standard of Performance.™*  
an EnPro Industries company

# Application Chart

Application	Guardian® Guardian®HP	Grit Guard® Standard	Voyager®	Discover®	Endeavor®
19,000# Trailer Axle Standard Forge, Dana, Meritor, Eaton	307-0713 ☐	372-7098	373-0113	373-0213	
Pro-Par Trailer Axle, Fruehauf, Eaton P-22, Meritor TP, Dana	307-0723 ☐	372-7099	373-0123	373-0223	373-0323
22,500# Trailer Axle, Meritor, Standard Forge, Dana, Eaton	307-0743 ☐	372-7097	373-0143	373-0243	373-0343
20,000# Trailer Axle, Meritor, Shuler	307-0744	372-7095	373-0144	N/A	
12,000#, 14,600# Meritor Front Transit	N/A	382-8001	383-0101	N/A	
Meritor Center Point	N/A	382-8028	N/A	N/A	
GMC F-120 to 1985	N/A	382-8034	N/A	N/A	
12,000# Front Axle, Meritor, Eaton, Ford, Freightliner, Kenworth, Western Star, Navistar, Peterbilt, Volvo GM	308-0836 ☐	382-8036	383-0136	383-0236	383-0336
12,000# Mack Front Axle	N/A	382-8039	383-0139 ☒	383-0239 ☒	
Navistar Front Axle, FA 309, FA 329	308-0853	382-8053	383-0153	N/A	
9,000# Front Axle, Navistar, FA 109 Cast Wheel '79 and up	308-0855	382-8056	383-0156	N/A	
12,000# Front Axle, Navistar	308-0856	382-8056	383-0156	N/A	
7,000#, 9,000# Front Axle, Ford	308-0863	382-8063	N/A	N/A	
16,000# Front Axle, Ford, Navistar, Mack, Meritor, White, Kenworth, Western Star, Peterbilt, Volvo GM	308-0864 ☐	382-8064	383-0164	383-0264	
6,000#, 7,500# Front Axle, Navistar	308-0866	382-8066	383-0166	N/A	
Volvo FA 7.5 Front Axle	308-0870	N/A	N/A	N/A	
GMC F-120 1985 and up	N/A	382-8071	383-0171	N/A	
8,000# GMC Front-Top Kick	N/A	N/A	383-0175	N/A	
11,000# GMC Front-Top Kick	N/A	N/A	383-0176	N/A	
34,000# Drive Axle, Mack	309-0903 ☐	392-9094	393-0103	393-0203	
44,000# Drive Axle, Mack	309-0904 ☐	392-9112	393-0104	393-0204	
		392-9130	393-0104	393-0204	
34,000# Drive Axle, Eaton, Ford, Navistar, White	309-0912 ☒	392-9099	393-0112	393-0212	
17,000# Single and 34,000# Tandem, GMC	309-0915 ☐	Refer to above 392-9099 set	393-0115	N/A	
Meritor Drive-Transit	N/A	392-9034	393-0134	N/A	
15,000# Drive Axle, Ford, Meritor F-Series	309-0935	392-9035	N/A	N/A	
Mack Drive Axle 50,000# and 60,000#	309-0948	392-9089	393-0148	N/A	
GMC H/T 150 and H/T 175 Ford, Meritor H 170, 172, 175	309-0957	392-9057	N/A	N/A	
38,000# Drive Axle, Mack, GMC, Eaton, Meritor	309-0960	392-9132 ☐	N/A	N/A	
34,000# Drive Axle, Meritor	309-0961	392-9095	N/A	N/A	
19,000# Drive Axle, Eaton, Navistar, Ford, GMC, White	309-0964	392-9088	N/A	N/A	
Van Hool Bus	391-9066 ☐	392-9066	N/A	N/A	
38,000#, 40,000# and 42,000# Tandem Drive Axles, Ford, Eaton, GMC, Mack, Navistar, White	309-0965	392-9092 ☒ 392-9096	N/A	N/A	
38,000# Drive Axle, Eaton, Meritor, White	309-0970	392-9087	N/A	N/A	
38,000#, 46,000# Tandem Axles, Eaton, Ford, Freightliner, Kenworth, Western Star, Peterbilt, Meritor, Navistar, Volvo GM	309-0973 ☐	392-9131 ☐	393-0173	393-0273	393-0373

☐ SS4 Seal

☒ Use 555 Series Tool Heads with Universal Tool Body 555-0001. The Axle Tool Heads Install the Standard/Grit Guard® Rings and Guardian®/SS4 Seals.

Shaded numbers indicate obsolete parts.

# Application Chart

	GG/Standard Components Seal/Ring	Inner Bearing	Universal Axle Tool Heads 2	Universal Hub Tool Heads 3	Bearing Guide
	2109/1507	663	<b>555-5100</b>	551-5313	570-0023
	2023/1503	HM518445	<b>555-5023</b>	551-5401	570-0025
	2110/1504	HM218248	<b>555-5039</b>	551-5412	570-0026
	2118/1510	665A	<b>555-5069</b>	551-5339 <b>19</b>	570-0024
	2086/1013	6386 or 6389, 6379	<b>555-5060 or 555-5014</b>	551-5420 <b>19</b>	570-0020 <b>21</b>
	2028/1028	756A	<b>555-5067</b>	551-5385	N/A
	2034/1034	HM212047	<b>555-5066</b>	551-5387	570-0019
	2036/1036	39581 HM212044 HM212049, -X, X1 HM212047	<b>555-5062</b> <b>555-5061</b> <b>555-5098</b> <b>555-5066</b>	551-5346 551-5346 551-5346 551-5346	570-0017 570-0018 570-0020 570-0019
	2039/1038	641 or HM212049	<b>NONE REQ'D</b>	551-5413 <b>19</b>	570-0020
	2181/1093	641 or HM212049 H715345	<b>555-5060</b> <b>555-5070</b>	551-5419 551-5419 <b>15</b>	570-0020 570-0021
	2199/1093	641	<b>555-5060</b>	551-5344	570-0020
	2199/1093	H715345	<b>555-5070</b>	551-5344	570-0021
	2133/1036 45284	39581 <b>555-5064</b>	<b>555-5062</b> 551-5353	551-5353 N/A	570-0017
	2137/1037	6461A	<b>555-5007</b>	551-5327	570-0022
	2164/1008	JM207049 JM205149	<b>555-5088</b> <b>555-5089</b>	551-5423 551-5423 <b>18</b>	570-0036 570-0033
	N/A	JF7049A	<b>555-5297</b>	N/A	N/A
	2216/1034	HM212047	<b>555-5066</b>	551-5403	570-0019
	N/A	JM205149	<b>N/A</b>	551-5417	570-0033
	N/A	33212	<b>N/A</b>	551-5418	570-0031
	2129/1511	580 or 582	<b>555-5072</b>	551-5415 <b>11</b>	570-0023
	2213/1515	663 or HM516449, -C	<b>555-5072</b>	551-5414 <b>12</b>	570-0023
	2213/1519	HM516449A	<b>555-5073</b>	551-5414 <b>12</b>	570-0023
	2102/1501	47685 or 47686 47678 or 5760	<b>555-5031</b> <b>555-5074</b>	551-5416 <b>16</b> 551-5416 <b>16</b>	570-0023 570-0022
	—	47686	<b>555-5031</b>	551-5424	570-0023
	2061/1066	6580 or 6559	<b>555-5023 or 555-5072</b>	551-5421 <b>17</b>	570-0025 or 570-0023
	2057/1062	33287	<b>555-5011</b>	551-5353	N/A
	2097/1516	687 or 780	<b>555-5004</b>	551-5400	570-0032
	2104/1018	495AX 33287	<b>555-5074</b> <b>555-5011</b>	551-5383 551-5383	N/A N/A
	2115/1530	598A 594A	<b>555-5071</b> <b>555-5076</b>	551-5356 551-5356	570-0027 570-0028
	2117/1509	580, 582 or 663A	<b>555-5072</b>	551-5325	N/A
	2113/1517	594 or 594A	<b>555-5076</b>	551-5412	570-0028
	2115/1107	594A	<b>555-5076</b>	551-5356	570-0028
	2131/1508	598	<b>555-5071</b>	551-5363	570-0027
	2114/1508	595 598	<b>555-5072</b> <b>555-5071</b>	551-5412 551-5412	570-0023 570-0027
	2162/1502	683XA or 683 681A	<b>555-5076</b> <b>555-5071</b>	551-5333 551-5333	570-0028 570-0027
	2106/1525	594 or 594A 598 or 598A	<b>555-5076</b> <b>555-5071</b>	551-5320 551-5320	570-0028 570-0027

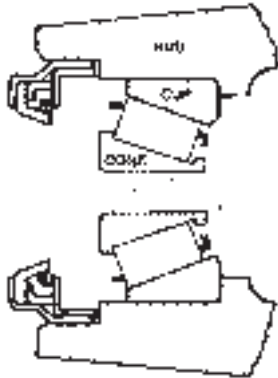
**1** Use 551 Series Tool Heads with new Universal Tool Handle **551-0001**. The Hub Tool Installs the Standard Seal, Voyager® and Discover® Seals.  
**2** Use with 5.687" Bore Only.

**3** Use with 5.500" Bore Only.  
**4** Does not fit Mack Applications.  
**5** Fits Mack Application Only.  
**6** Use with Wabco ABS.  
**7** HP Design

**11** Use 551-5395 for 320-2039 seal.  
**11** Use 551-5393 for 320-2129 seal.  
**12** Use 551-5364 for 320-2213 seal.  
**13** 383-8139 includes 310-1132.  
**14** 383-8239 includes 310-1132.  
**15** Use 551-5349 for 320-2181 seal.

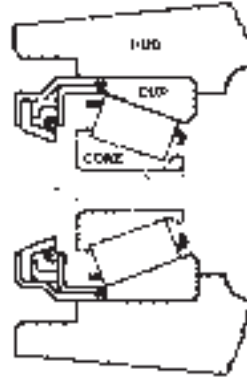
**16** Use 551-5318 for 320-2102 seal.  
**17** Use 551-5356 for 320-2061 seal.  
**18** Use 551-5366 for 320-2164 seal.  
**19** Use 551-5311 for 320-2086 seal.  
**20** Use 551-5321 for 320-2118 seal.  
**21** Does not fit 6379.

# Axle Application Graphics



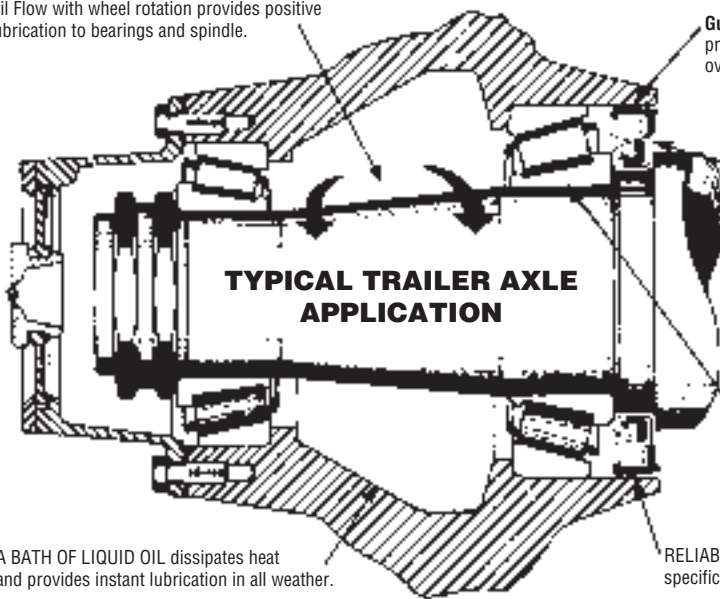
## NOTICE

Some STEMCO hub seals are not designed to fit into the seal bore of the hub as the one shown at the left, but are properly sized to fit into the same bore as the bearing cup, as shown on the right. Always refer to the instructions packaged with the seal.



Oil Flow with wheel rotation provides positive lubrication to bearings and spindle.

**Guardian® Seal** bonded rubber O.D. provides positive seal in bore – overcomes minor bore imperfections.



### TYPICAL TRAILER AXLE APPLICATION



Corresponding Grit Guard® Set with Deflector Ring

Proper Lubrication allows the bearing cone to creep on a film of oil and distribute the wear and load for the FULL life of bearing.

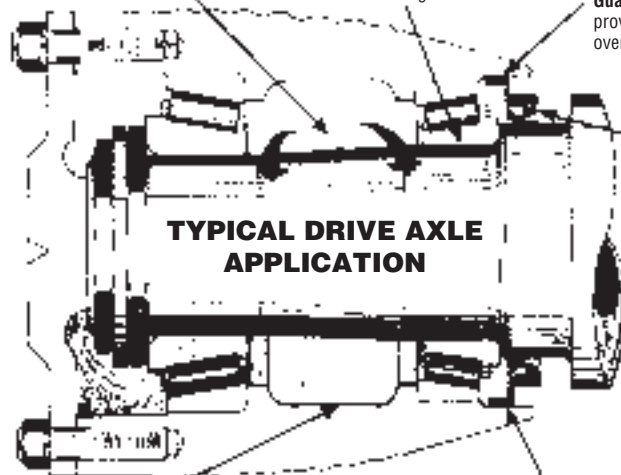
A BATH OF LIQUID OIL dissipates heat and provides instant lubrication in all weather.

RELIABILITY — STEMCO Hub-Seals are designed specifically for wheel application with any type oil.

Oil Flow with wheel rotation provides positive lubrication to bearings and spindle.

Proper Lubrication allows the bearing cone to creep on a film of oil and distribute the wear and load for the FULL life of bearing.

**Guardian® Seal** bonded rubber O.D. provides positive seal in bore – overcomes minor bore imperfections.



### TYPICAL DRIVE AXLE APPLICATION



Corresponding Grit Guard® Set with Deflector Ring

A BATH OF LIQUID OIL dissipates heat and provides instant lubrication in all weather.

RELIABILITY — STEMCO Hub-Seals are designed specifically for wheel application with any type oil.



# Guardian®/Guardian® HP to Standard/Grit Guard® and Voyager®/Discover® Hub-Seal Cross Reference

Guardian® / Guardian® HP Seal No.	Inner Bearing Cone	Universal Tool Head	Standard/ Grit Guard® Set	Voyager® Discover®	Guardian® / Guardian® HP Seal No.	Inner Bearing Cone	Universal Tool Head	Standard/ Grit Guard® Set	Voyager® Discover®	
*307-0713	663	555-5100	372-7098	373-0113 373-0213	309-0912	47685 47686	555-5031	392-9099	393-0112 393-0212	
*307-0723	HM518445	555-5023	372-7099	373-0123 373-0223		47678 5760	555-5074			
*307-0743	HM218248	555-5039	372-7097	373-0143 373-0243	309-0915	47685 47686	555-5031	392-9099	N/A	
307-0744	665A	555-5069	372-7095	373-0144	309-0935	33281 Thru 61 33287 62 Up		555-5002 555-5011	392-9035	N/A
*308-0836	39581	555-5062	382-8036	383-0136 383-0236		309-0948	687 780	555-5004	392-9089	393-0148
308-0853	HM212044, 557A	555-5061	382-8053	383-0153	309-0957	495AX	555-5074	392-9057	N/A	
	HM212049, -X	555-5098				33287	555-5011	N/A		
	HM212047	555-5066				594A	555-5076	392-9132	N/A	
308-0855	641	555-5060	N/A	N/A	309-0960	598A	555-5071	N/A		
308-0856	H715345	555-5070	382-8056	383-0156		580 582 663A	555-5072	392-9095	N/A	
308-0863	39581	555-5062	382-8063	N/A	309-0964	594 594A	555-5076	392-9088	N/A	
	45284	555-5064				595 598	555-5072 555-5071	392-9096	N/A	
*308-0864	6461A	555-5007	382-8064	383-0164 383-0264	309-0965	683XA 683	555-5076	392-9087	N/A	
308-0866	JM207049 JM205149	555-5088 555-5089	382-8066	383-0166		681A	555-5071			
308-0870	JF7049A	555-5297	N/A	N/A	*309-0973	594 594A	555-5076	392-9131	393-0173 393-0273	
*309-0903	580 582	555-5072	392-9094	393-0103 393-0203		598 598A	555-5071			
*309-0904	663 HM516449,-C	555-5072	392-9112	393-0104 393-0204						

\*Guardian® HP

Use Universal Tool Body 555-0001 with 555 Series Tool Heads.

## Guardian® /Guardian® HP Hub-Seal Components

Oil Seal □	Deflector Ring □	Guardian®/ Guardian® HP Seal	Oil Seal □	Deflector Ring □	Guardian®/ Guardian® HP Seal
327-2701	317-1743	*307-0743	327-2713	317-1713	309-0965
327-2702	317-1702	*308-0836	327-2715	317-1756	309-0915
327-2703	317-1703	*309-0973	327-2716	317-1761	309-0970
327-2704	317-1704	*307-0713	327-2717	317-1761	309-0960
327-2705	317-1705	*307-0723	327-2718	317-1720	*309-0904
327-2706	317-1729	*309-0903	327-2719	317-1719	309-0961
327-2707	317-1707	309-0912	327-2721	317-1721	308-0863
327-2708	317-1708	308-0853	327-2724	317-1724	309-0957
327-2709	317-1709	307-0744	327-2727	317-1726	308-0866
327-2710	317-1710	308-0855	327-2728	317-1728	309-0935
	317-1706	308-0856	327-2741	317-1790	309-0948
327-2711	317-1711	*308-0864	327-2757	317-1724	308-0870
327-2712	317-1712	309-0964			

□ 327-Series Oil Seals and 317-Series Deflector Rings are component parts for the Guardian® Hub Seal.

These parts are not sold separately.

\*Guardian® HP

Shaded numbers indicate obsolete parts.

# Standard and Grit Guard® Hub-Seal to Set Cross Reference

## Quick Reference

Oil Seal	Axle Ring	Hub-Seal Set	Inner Bearing #	Universal Tool Head	Hub Tool	Comment
320-2001	310-1095	392-9001	758	555-5069	551-5398	
			760	555-5079	551-5398	
	310-1103	392-9062	760	555-5079	551-5398	
	For trailer applications, use 310-1045 (set was 370-7019).					
320-2009	310-1028	392-9019	598	555-5071	551-5356	
	310-1079	392-9081	598A	555-5071	551-5356	
320-2012	310-1012	392-9012	47678	555-5074	551-5405	
			47686	555-5031	551-5405	See Set Remarks
			5760	555-5074	551-5405	
320-2017	310-1017	382-8017	39581	555-5062	551-5352	☐
320-2018	310-1008	372-7046	28995	555-5052	551-5351	
	310-1008	382-8018	45284	555-5064	551-5351	
320-2022	310-1050	382-8010	4595 or 39578	None	551-5381	
320-2023	310-1022	372-7022	593	None	551-5401	I Beam Axle Model 5
	310-1023	372-7023	593 & HM518445	555-5023	551-5401	Pro-Par
	310-1041	382-8060	5760 or 6461	None	551-5401	
	310-1130	372-7062	592A or 593	555-5023	551-5401	Modified No. 5 ☐
	315-1503	372-7099	HM518445	555-5023	551-5401	Grit Guard® for Pro-Par only
320-2028	310-1028	382-8028	756A	555-5067	551-5385	
320-2029	310-1018	372-7018	495AX	555-5074	551-5386	
	310-1018	392-9018	495AX	555-5074	551-5386	Ford thru 1969-70 Up use 392-9057 ☐
320-2031	310-1036	382-8025	557A OR HM212044	555-5061	551-5388	
	310-1051	382-8011	559 or 3982	None	551-5388	
320-2032	310-1032	382-8032	HM212049	None	551-5388	
	310-1036	372-7009	39250	555-5066	551-5388	
320-2034	310-1034	382-8034	HM212047	555-5066	551-5387	☐
320-2036	310-1036	382-8036	39581	555-5062	551-5346	
			557A or HM212044	555-5061	551-5346	
			HM212047	555-5066	551-5346	
			HM212049	555-5098	551-5346	
			HM212049X	555-5098	551-5346	
320-2039	310-1038	382-8039	641 or HM212049	None	551-5395 551-5413 ☐	Replaced by Voyager® Seal 383-8139 ☐
320-2041	310-1028	382-8045	756A	555-5067	551-5398	
	310-1043	372-7015	759	555-5023	551-5398	C&M K-30 Std. Forge TA- 26, A-26-S
320-2046	310-1036	372-7006	567	555-5011	551-5388	
320-2050	310-1052	382-8009	45284 or 45285	555-5036	551-5347	☐
320-2051	310-1047	372-7008	560S	555-5038	551-5388	
320-2056	310-1061	382-8005	3778	555-5001	551-5302	☐
320-2057	310-1062	392-9035	33287	555-5011	551-5353	☐
	310-1063	392-9036	33281	555-5002	551-5353	☐
320-2058	310-1093	392-9033	663, 749A or 6559	555-5072	551-5303	Gaskets Must be Ordered Separately
320-2059	See Catalog 392-9053 and/or 392-9089 Remarks.					

☐ Oil seal installs in bearing cup bore. ☐ Oil seal installs in bearing cup bore on steel hubs. On spoke wheels use seal bore. ☐ Voyager® Seal tool.

**Shaded numbers indicate obsolete part numbers, refer to Engineering Changes for more information.**

# Standard and Grit Guard® Hub Seal to Set Cross Reference

Oil Seal	Axle Ring	Hub-Seal Set	Inner Bearing #	Universal Tool Head	Hub Tool	Comment
320-2061	310-1066	392-9034	6580	555-5023	551-5356	Gasket sold Separately
			6559	555-5072	551-5356	
320-2072	310-1064	372-7048	3984	555-5097	551-5308	
	310-1064	392-9038	3984	555-5097	551-5308	❑
320-2077	310-1104	392-9063	188931	555-5054	551-5362	
			387AS or 7451929	555-5062	551-5362	
320-2086	310-1013	382-8001	6386 or 6389	555-5060	551-5311	
			6379	555-5014	551-5311	
320-2091	SEE COMMENTS W/392-9045 SET	392-9045	33287	555-5011	551-5312	
			33281	555-5002	551-5312	
			495AX	555-5074	551-5312	
			47686	555-5031	551-5312	
320-2096	310-1007	392-9007	663 or HM516449	555-5072	551-5390	Cast housings use 392-9004
320-2097	315-1516	392-9089	687 or 780	555-5004	551-5400	Grit Guard®
320-2099	310-1089	392-9053	782	555-5016	551-5317	See Set Remarks
320-2102	315-1501	392-9099	47685 or 47686	555-5031	551-5318	Grit Guard® ❑
			47678	555-5074	551-5318	
320-2104	310-1018	392-9057	495AX	555-5074	551-5383	Ford 1970 Up Thru 1969 use 392-9018
320-2105	310-1008	382-8044	45284	555-5064	551-5351	
320-2106	315-1525	392-9131	598 or 598A	555-5071	551-5320	Grit Guard® Used with or without Wabco ABS
			594 or 594A	555-5076	551-5320	
320-2109	310-1053	392-9032	580	555-5072	551-5313	
			575	555-5074	551-5313	
	310-1057	372-7003	663	555-5031	551-5313	KB-5, KB-6 T-18-W only
	315-1507	372-7098	663	555-5100	551-5313	Grit Guard®
320-2110	315-1504	372-7097	HM218248	555-5039	551-5412	Grit Guard®
320-2111	315-1506	372-7096	787	555-5016	551-5323	Grit Guard®
320-2113	315-1517	392-9088	594 or 594A	555-5076	551-5412	Grit Guard® ❑
320-2114	315-1508	392-9096	595	555-5072	551-5412	Grit Guard® ❑
			598	555-5071	551-5412	
320-2115	310-1113	392-9020	665	555-5068	551-5356	❑
	310-1107	392-9066	592A/594A	555-5076	551-5356	Van Hool Bus Appl ❑
	315-1530	392-9132	592A/594A	555-5076	551-5356	Used with or without Wabco ABS
			592A/598A	555-5071	551-5356	
320-2117	315-1509	392-9095	582 or 663A	555-5072	551-5325	Grit Guard®
320-2118	315-1510	372-7095	665A	555-5069	551-5321	Grit Guard®
320-2119	310-1036	382-8027	39581	555-5062	551-5353	
320-2125	310-1051	382-8062	39585	None	551-5388	❑
320-2129	315-1511	392-9094	580 or 582	555-5072	551-5393	Grit Guard®
320-2131	315-1508	392-9092	598	555-5071	551-5363	Grit Guard®

❑ Oil seal installs in bearing cup bore.

(Continued Next Page)

Shaded numbers indicate obsolete part numbers, refer to Engineering Changes for more information.

# Standard and Grit Guard® Hub-Seal to Set Cross Reference

Oil Seal	Axle Ring	Hub-Seal Set	Inner Bearing #	Universal Tool Head	Hub Tool	Comment
320-2133	310-1036	382-8063	39581	555-5062	551-5353	
			45284	555-5064	551-5353	
320-2136	310-1064	372-7049	JM511946	555-5055	551-5381	
320-2137	310-1037	382-8064	6461A	555-5007	551-5327	Replaced by 383-0164
320-2162	315-1502	392-9087	681A	555-5071	551-5333	See Set Remarks
			683	555-5076	551-5333	Grit Guard®
320-2164	310-1008	382-8066	JM207049	555-5088	551-5366	
			JM205149	555-5089	551-5366	
320-2166	310-1028	382-8069	6386	None	551-5340	Volvo Front
320-2173	310-1023	372-7024	749 or 749S	555-5024	551-5401	
	315-1503	372-7091	749 or 749S	555-5024	551-5401	Grit Guard®
320-2181	310-1009	382-8052	6386A	555-5060	551-5349	
	310-1093	382-8053	641 or HM212049	555-5060	551-5349	
320-2199	310-1093	382-8056	H715345	555-5070	551-5349	
			641	555-5060	551-5344	
320-2213	315-1515	392-9112	663 or HM516449,-C	555-5072	551-5364	Grit Guard®
	315-1519	392-9130	HM516449A	555-5073	551-5364	Grit Guard®
320-2216	310-1034	382-8071	HM212011/ HM212047	555-5066	551-5403	
320-2233	310-1233	392-9111	593X/594	555-5076	551-5404	Mack Midliner

Shaded numbers indicate obsolete part numbers, refer to Engineering Changes for more information.

# PERFORMANCE AND VALUE LEADER



**HEAVY DUTY  
BEARINGS**

### **Value Added Bearing Program**

Through strategic alliances and strong global procurement, STEMCO Bearings meet the changing needs of today's market. STEMCO Bearings are the right mix of Performance, Convenience and Value.

### **Consolidated Wheel End Components Provider**

The same company that provides High Performance STEMCO Wheel Seals, Pro-Torq Precision Adjusting Nuts and Hub Caps, can supply your wheel bearing needs; providing safety, reliability and performance from a single source.

### **STEMCO Quality Bearings**

Our worldwide network of manufacturing plants is held to the highest quality standards by STEMCO and meets the ABMA specifications for bearing life calculations.

### **Expanded Bearing Coverage**

The STEMCO product offering includes Tapered Roller Bearings, Radial Ball Bearings, Clutch Release Bearings, Individual Cups and Cones, and STEMCO Matched Bearing Sets.

### **Long Life Warranty**

STEMCO offers a 3 or 5 year limited warranty when used in conjunction with the STEMCO Platinum Performance System or Platinum Performance System Plus.



# REAR RINGS

## STEMCO Quality Bearing Reference Guide



A Higher Standard of Performance.™

an EnPro Industries company

### HEAVY DUTY TAPERED ROLLER BEARINGS

P/N	DESCRIPTION
382A	Tapered Roller Cup, Truck
387AS	Tapered Roller Cone, Truck
493	Tapered Roller Cup, Truck
552A	Tapered Roller Cup, Front Axle
555S	Tapered Roller Cone, Front Axle
557S	Tapered Roller Cone, Front Axle
563	Tapered Roller Cup, Front Axle
567	Tapered Roller Cone, Front Axle
572	Tapered Roller Cup, Truck Axle
580	Tapered Roller Cone, Truck Axle
582	Tapered Roller Cone, Truck Axle
592A	Tapered Roller Cup, Truck/Trailer
594	Tapered Roller Cone, Front Axle
594A	Tapered Roller Cone, Front Axle
598A	Tapered Roller Cone, Front Axle
653	Tapered Roller Cup, Trailer/Truck Axle
663	Tapered Roller Cone, Trailer/Truck Axle
665A	Tapered Roller Cone, Trailer/Truck Axle
742	Tapered Roller Cup, Truck Axle
749	Tapered Roller Cone, Truck Axle
3720	Tapered Roller Cup, Front Axle
3782	Tapered Roller Cone, Front Axle
3920	Tapered Roller Cup, Truck Axle
6420	Tapered Roller Cup, Front Axle
6461A	Tapered Roller Cone, Front Axle
6535	Tapered Roller Cup, Truck Axle
6580	Tapered Roller Cone, Truck Axle
15245	Tapered Roller Cup, Truck Axle
15250	Tapered Roller Cup, Truck Axle
25520	Tapered Roller Cup, Truck Axle
25580	Tapered Roller Cone, Truck Axle
25820	Tapered Roller Cup, Truck Axle
25877	Tapered Roller Cone, Truck Axle
28682	Tapered Roller Cone, Truck Axle
39520	Tapered Roller Cup, Truck Axle
39585	Tapered Roller Cone, Truck Axle
39590	Tapered Roller Cone, Truck Axle
45220	Tapered Roller Cup, Front Axle
45280	Tapered Roller Cone, Front Axle
47620	Tapered Roller Cup, Rear Axle
47679	Tapered Roller Cone, Rear Axle
47686	Tapered Roller Cone, Rear Axle
H715311	Tapered Roller Cup, Truck Axle
H715345	Tapered Roller Cone, Truck Axle
HM212011	Tapered Roller Cup, Trailer/Front Axle
HM212047	Tapered Roller Cone, Front Axle
HM212049	Tapered Roller Cone, Trailer/Front Axle
HM218210	Tapered Roller Cup, Trailer Axle
HM218248	Tapered Roller Cone, Trailer Axle
HM516410	Tapered Roller Cup, Rear Axle
HM516449	Tapered Roller Cone, Rear Axle
HM518410	Tapered Roller Cup, Trailer Axle
HM518445	Tapered Roller Cone, Trailer Axle
JM207010	Tapered Roller Cup, Truck Axle
JM207049A	Tapered Roller Cone, Truck Axle
LM102949	Tapered Roller Cone, Front Axle

### MATCHED BEARING SETS

P/N	COMPONENTS
SET047-011	HM212047 / HM212011
SET049-011	HM212049 / HM212011
SET248-210	HM218248 / HM218210
SET445-410	HM518445 / HM518410
SET449-410	HM516449 / HM516410
SET580-72	580 / 572
SET582-72	582 / 572
SET594A-92A	594A / 592A
SET598A-92A	598A / 592A
SET663-53	663 / 653
SET3782-20	3782 / 3720
SET28682-22	28682 / 28622
SET39590-20	39590 / 39520
SET45280-20	45280 / 45220
SET45284-20	45284 / 45220
SET47679-20	47679 / 47620
SET47686-20	47686 / 47620

### STEMCO MATCHED BEARING SETS

P/N	COMPONENTS
ASET047-011	KHM212047 / KHM212011
ASET049-011	KHM212049 / KHM212011
ASET248-210	KHM218248 / KHM218210
ASET445-410	KHM518445 / HKM518410
ASET449A-410	KHM516449A / KHM516410
ASET555S-52A	K555S / K552A
ASET567-563	K567 / K563
ASET580-72	K580 / K572
ASET582-572	K582 / K572
ASET594A-92A	K594A / K592A
ASET598A-92A	K598A / K592A
ASET663-53	K663 / K653
ASET687-672	K687 / K672
ASET3782-20	K3782 / K3720
ASET6461A-20	K6461A / K6420
ASET45280-20	K45280 / K45220
ASET47679-20	K47679 / K47620

### BALL/CLUTH RELEASE/TAPERED BEARING SETS

P/N	DESCRIPTION
F-01757-C	N1707
02135	N2135
02256A	N2256-N
A16	LM12749 / LM12711
A34	LM12748 / LM12710
A38	LM104949 / LM104911
105-SS1	Ball Bearing, 2 Shields
205-FF	Ball Bearing, 2 Seals
205-SS	Ball Bearing, 2 Shields
206-FF	Ball Bearing, 2 Seals
206-SS	Ball Bearing, 2 Shields
305-FF	Ball Bearing, 2 Seals
305-SS	Ball Bearing, 2 Shields
306-FF	Ball Bearing, 2 Seals
306-SS	Ball Bearing, 2 Shields

### BALL/CLUTH RELEASE/TAPERED BEARING SETS

P/N	DESCRIPTION
306-SSL	Ball Bearing, 2 Shields, Snap Ring
308-L	Ball Bearing, Snap Ring
1308-L	Ball Bearing, Snap Ring

\* Multiply last 2 numbers by 5 to get Bore Size.

### STEMCO "A" LINE BEARINGS

P/N	INDUSTRY STANDARD P/N
ASET049-011	KHM212049 / KHM212011
A212049	KHM212049
A212011	KHM212011
ASET248-210	KHM218248 / KHM248210
A218248	KHM218248
A218210	KHM218210
ASET594A-92A	K594A / K592A
A594A	K594A
A592A	K592A
ASET580-72	K580 / K572
A580	K580
A572	K572
ASET3782-20	K3782 / K3720
A3782	K3782
A3720	K3720
ASET445-410	KHM518445 / KHM518410
A518445	KHM518445
A518410	KHM518410
ASET663-53	K663 / K653
A663	K663
A653	K653
ASET047-011	KHM212047 / KHM212011
A212047	KHM212047
A212011	KHM212011
ASET45280-20	K45280 / K45220
A45280	K45280
A45220	K45220
ASET6461A-20	K6461A / K6420
A6461A	K6461A
A6420	K6420
ASET555S-52A	K555S / K552A
A555S	K555S
A552A	K552A
ASET449A-410	KHM516449A / KHM516410
A516449A	KHM516449A
A516410	KHM516410
ASET47679-20	K47679 / K47620
A47679	K47679
A47620	K47620
ASET567-563	K567 / K563
A567	K567
A563	K563
ASET582-572	K582 / K572
A582	K582
A572	K572
ASET687-672	K687 / K672
A687	K687
A672	K672
ASET598A-92A	K598A / K592A
A598A	K598A
A592A	K592A

STEMCO - USA  
P.O. Box 1989 · Longview, TX 75606-1989  
(903) 758-9981 · 1-800-527-8492  
FAX: 1-800-874-4297  
www.stemco.com

STEMCO - Canada  
5900 Ambler Drive, Units 4 & 5  
Mississauga, ON L4W 2N3  
(905) 206-9922 · 877-232-9111  
FAX: 877-244-4555

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Contact your STEMCO Sales Representative for a complete listing of the STEMCO Bearing Line.



# Axle Ring to Hub Seal Set Cross Reference

Axle Ring	Oil Seal	Hub Seal Set	Axle Ring	Oil Seal	Hub Seal Set	Deflector Ring	Guardian/Guardian/HP Seal
310-1007	320-2096	392-9007	310-1062	320-2057	392-9035	317-1710*	308-0855
310-1008	320-2018	372-7046	310-1063	320-2057	392-9036	317-1743*	307-0743
310-1008	320-2105	382-8044	310-1064	320-2136	372-7049	317-1702*	308-0836
310-1008	320-2164	382-8066	310-1064	320-2072	392-9038	317-1703*	309-0973
310-1009	320-2181	382-8052	310-1066	320-2061	392-9034	317-1704*	307-0713
310-1012	320-2012	392-9012	310-1079	320-2009	392-9081	317-1705*	309-0904
310-1013	320-2086	382-8001	310-1088	320-2213	None	317-1705*	307-0723
310-1013	320-2109	None	310-1089	320-2099	392-9053	317-1706*	308-0856
310-1017	320-2017	382-8017	310-1093	320-2199	382-8056	317-1706*	309-0903
310-1018	320-2029	372-7018	310-1093	320-2181	382-8053	317-1707*	309-0912
310-1018	320-2029	392-9018	310-1093	320-2058	392-9033	317-1708*	308-0853
310-1018	320-2104	392-9057	310-1093	320-2113	None	317-1709*	307-0744
310-1022	320-2023	372-7022	310-1095	320-2001	392-9001	317-1710*	308-0855
310-1023	320-2023	None	310-1103	320-2001	392-9062	317-1711*	308-0864
310-1023	320-2173	372-7024	310-1104	320-2077	392-9063	317-1712*	309-0964
310-1026	320-2131	None	310-1107	320-2119	392-9066	317-1713*	309-0965
310-1028	320-2166	382-8069	310-1111	320-2106	None	317-1719*	309-0961
310-1028	320-2028	382-8028	310-1111	320-2115	None	317-1721*	308-0863
310-1028	320-2041	382-8045	310-1111	320-2162	None	317-1724*	309-0957
310-1028	320-2009	None	310-1117		See 392-9045 Remarks	317-1726*	308-0866
310-1032	320-2032	382-8032	310-1123		See 392-9034 Remarks	317-1728*	309-0935
310-1034	320-2034	382-8034	310-1130	320-2023	372-7062	317-1756*	309-0915
310-1034	320-2216	382-8071	310-1233	320-2233	392-9111	317-1761*	309-0970
310-1036	320-2032	372-7009	315-1501	320-2102	392-9099	317-1761*	309-0960
310-1036	320-2046	372-7006	315-1502	320-2162	392-9087	317-1790*	309-0948
310-1036	320-2031	None	315-1503	320-2023	372-7099	317-1724*	308-0870
310-1036	320-2036	382-8036	315-1503	320-2173	372-7091		
310-1036	320-2119	382-8027	315-1504	320-2110	372-7097		
310-1036	320-2133	382-8063	315-1506	320-2111	372-7096		
310-1037	320-2118	None	315-1507	320-2109	372-7098		
310-1037	320-2137	382-8064	315-1508	320-2114	392-9096		
310-1038	320-2039	382-8039	315-1508	320-2131	392-9092		
310-1041	320-2023	382-8060	315-1509	320-2117	392-9095		
310-1043	320-2041	372-7015	315-1510	320-2118	372-7095		
310-1048	320-2110	None	315-1511	320-2129	392-9094		
310-1050	320-2022	382-8010	315-1515	320-2213	392-9112		
310-1051	320-2031	382-8011	315-1516	320-2097	392-9089		
310-1051	320-2125	382-8062	315-1517	320-2113	392-9088		
310-1052	320-2050	382-8009	315-1519	320-2213	392-9130		
310-1053	320-2109	392-9032	315-1525	320-2106	392-9131		
310-1057	320-2109	372-7003	315-1530	320-2115	392-9132		
310-1061	320-2056	382-8005					

\* 317-series deflector rings are component parts for the Guardian® Hub Seal. These parts are not sold separately.

Shaded numbers indicate obsolete part numbers, refer to Engineering Changes for more information.

# Bearings to Hub Seal Set Cross Reference

Quick Reference

Inner Cup & Cone	Outer Cup & Cone	Guardian®/ Guardian® HP Seal No.	Grit Guard®**/ Standard Set	Voyager® Discover®
33212	33208			383-0176
382A/387AS	LM104911/ LM104949		<b>392-9063</b>	
493/495AX	3920/ 3984		<b>392-9018</b>	
493/495AX	33287/ 33462	<b>309-0957</b>	<b>392-9057</b>	
493/495AX	39520/ 39590	<b>309-0957</b>	<b>392-9057</b> <b>392-9045</b>	
552A/559	552/526		<b>382-8011</b>	
553X/557A	3720/3782	<b>308-0836</b>	<b>382-8036</b>	<b>383-0136</b> <b>383-0236</b>
563/567	522/528		<b>372-7006</b>	
572/575	572/575		<b>392-9032</b>	
572/580	563/567	<b>309-0903</b>	<b>392-9094*</b>	<b>393-0103</b> <b>393-0203</b>
			<b>392-9032</b>	
572/580	42620/ 42687	<b>309-0961</b>	<b>392-9095*</b>	
572/582	563/567	<b>309-0903</b>	<b>392-9094*</b>	<b>393-0103</b> <b>393-0203</b>
572/582	42620/ 42687	<b>309-0961</b>	<b>392-9095*</b>	
592A/593	65320/ 65390		<b>372-7022</b> <b>372-7062</b>	
592A/594	572/580	<b>309-0964</b> <b>309-0973</b>	<b>392-9088*</b> <b>392-9131</b>	<b>393-0173</b> <b>393-0273</b>
592A/594A	572/580	<b>309-0960</b> <b>309-0964</b> <b>309-0973</b>	<b>392-9132*</b> <b>392-9088*</b> <b>392-9131</b>	<b>393-0173</b> <b>393-0273</b>
592A/594A	572/582	<b>309-0960</b>	<b>392-9132*</b>	
592A/595	572/580	<b>309-0965</b>	<b>392-9096</b>	
592A/598	572/575	<b>309-0965</b> <b>309-0973</b>	<b>392-9096*</b> <b>392-9131</b>	<b>393-0173</b> <b>393-0273</b>
592A/598A	653/665	<b>309-0965</b>	<b>392-9092*</b>	
592A/598	752/758	<b>309-0965</b>	<b>392-9092*</b>	
592A/598	HM617010/ HM617049	<b>309-0965</b>	<b>392-9092*</b>	
592A/598A	572/580	<b>309-0960</b> <b>309-0973</b>	<b>392-9132</b> <b>392-9131</b>	<b>393-0173</b> <b>393-0273</b>
592A/598A	572/582	<b>309-0960</b>	<b>392-9132*</b>	
592A/598	HM617010/ HM617049	<b>309-0960</b>	<b>392-9081</b> <b>392-9132</b>	
593X/594	593X/594		<b>392-9111</b>	
632/641	3920/3979	<b>308-0853</b>	<b>382-8053</b>	<b>383-0153</b> N/A
632/641	28622/ 28682	<b>308-0856</b>	<b>382-8056</b>	<b>383-0156</b> N/A

Inner Cup & Cone	Outer Cup & Cone	Guardian®/ Guardian® HP Seal No.	Grit Guard®**/ Standard Set	Voyager® Discover®
633/641	65320/ 65385			<b>382-8039</b> <b>383-8139</b>
652/663	572/575	<b>309-0904</b>	<b>392-9112*</b>	<b>393-0104</b> <b>393-0204</b>
			<b>392-9007</b>	
653/663	553X560	<b>307-0713</b>	<b>372-7098*</b>	<b>373-0113</b> <b>373-0213</b>
653/663	HM212011/ HM212049	<b>307-0713</b>	<b>372-7098*</b>	<b>373-0113</b> <b>373-0213</b>
			<b>372-7003</b>	
653/663A	42620/ 42687	<b>309-0961</b>	<b>392-9095*</b>	
653/665A	HM212011/ HM212049	<b>307-0744</b>	<b>372-7095*</b>	
672/681A	572/575	<b>309-0970</b>	<b>392-9087*</b>	
672/683	572/580	<b>309-0970</b>	<b>392-9087*</b>	
672/683XA	572/580	<b>309-0970</b>	<b>392-9087*</b>	
672/687	772/780	<b>309-0948</b>	<b>392-9089*</b>	<b>393-0148</b> N/A
672/687	52618/ 52400	<b>309-0948</b>	<b>392-9089*</b>	<b>393-0148</b> N/A
742/749	632/643		<b>372-7091*</b> <b>372-7024</b>	
742/749S	632/643		<b>372-7091*</b> <b>372-7024</b>	
742/749A	653/663		<b>392-9033</b>	
752/756A	HM212011/ HM212046		<b>382-8028</b> <b>382-8045</b>	
752/756A	HM212011/ HM212047		<b>382-8028</b> <b>382-8045</b>	
752/758	663/665		<b>392-9001</b>	
752/759	742/740		<b>372-7015</b>	
752/760	742/749		<b>392-9001</b>	
752/760	742/749		<b>392-9062</b>	
772/780	772/776	<b>309-0948</b>	<b>392-9089*</b>	<b>393-0148</b> N/A
772/780	854/864	<b>309-0948</b>	<b>392-9089*</b>	<b>393-0148</b> N/A
772/780	52618/ 52400	<b>309-0948</b>	<b>392-9089*</b>	<b>393-0148</b> N/A
772/780	77675/ 77375	<b>309-0948</b>	<b>392-9089*</b>	<b>393-0148</b> N/A
772/782	742/749		<b>392-9053</b>	
832/843	632/636		<b>382-8008</b>	
3720/3778	25820/ 25877		<b>382-8005</b>	
3720/3778	2720/2790		<b>382-8005</b>	
3920/3982	3820/3877		<b>382-8011</b>	
3920/3984	453X/462		<b>392-9038</b>	
4536/4595	414A/418		<b>382-8010</b>	
5735/5760	572/575	<b>309-0912</b>	<b>392-9012</b>	<b>393-0112</b> <b>393-0212</b>
5735/5760	39520/ 39590		<b>382-8052</b>	

(Continued Next Page.)

Shaded numbers indicate obsolete part numbers, refer to Engineering Changes for more information.



# Bearings to Hub Seal Set Cross Reference

Inner Cup & Cone	Outer Cup & Cone	Guardian®/ Guardian® HP Seal No.	Grit Guard®**/ Standard Set	Voyager® Discover®
5735/5760	45220/45287		<b>382-8060</b>	
6320/6379	552A/557S		<b>382-8001</b>	<b>383-0101</b>
6320/6386	552A/557S		<b>382-8001</b>	<b>383-0101</b>
6320/6386A	532A/537		<b>382-8052</b>	
6320/6389	552A/557S		<b>382-8001</b>	<b>383-0101</b>
6420/6461	612/621		<b>382-8060</b>	
6420/6461A	552A/555S	<b>308-0864</b>	<b>382-8064</b>	<b>383-0164</b> <b>383-0264</b>
6420/6461A	3920/3979	<b>308-0864</b>	<b>382-8064</b>	<b>383-0164</b> <b>383-0264</b>
6535/6559	653/663		<b>392-9033</b>	
			<b>392-9034</b>	<b>393-0134</b>
6535/6580	653/663		<b>392-9034</b>	<b>393-0134</b>
28920/28995	25523/25580		<b>372-7046</b>	
33462/33281	3920/3982	<b>309-0935</b>	<b>392-9035</b>	
33462/33281	39520/39585		<b>392-9036</b>	
33462/33287	3920/3982	<b>309-0935</b>	<b>392-9035</b>	
33472/33281	3925/3984		<b>392-9045</b>	
33472/33287	3925/3982		<b>392-9045</b>	
33821/33895	3120/3196		<b>382-8016</b>	
39520/39578	25520/25572		<b>382-8010</b>	
39520/39581	3525/3585	<b>308-0836</b>	<b>382-8036</b>	<b>383-0136</b> <b>383-0236</b>
		<b>308-0863</b>	<b>382-8063</b> <b>382-8027</b>	
39520/39581	26820/26878		<b>382-8017</b>	
39520/39585	25520/25572		<b>382-8062</b>	
45220/45284	2720/2780		<b>382-8044</b>	
45220/45284	2720/2786		<b>382-8009</b>	
45220/45284	2720/2793		<b>382-8009</b>	
45220/45284	2720/2796		<b>382-8009</b>	
45220/45284	25820/25880	<b>308-0863</b>	<b>382-8044</b> <b>382-8063</b>	
45220/45285	2720/2786		<b>382-8009</b>	
45220/45285	2720/2793		<b>382-8009</b>	
45220/45285	2720/2796		<b>382-8009</b>	
47620/47678	39520/39585	<b>309-0912</b>	<b>392-9012</b>	<b>393-0112</b>
			<b>392-9099*</b>	<b>393-0212</b>
47620/47685	39520/39590	<b>309-0912</b>	<b>392-9099*</b>	<b>393-0112</b> <b>393-0212</b>
47620/47686	39520/39590	<b>309-0912</b>	<b>392-9099*</b>	<b>393-0112</b> <b>393-0212</b>
		<b>309-0915</b>	<b>392-9012</b> <b>392-9045</b>	<b>393-0112</b>

Inner Cup & Cone	Outer Cup & Cone	Guardian®/ Guardian® HP Seal No.	Grit Guard®**/ Standard Set	Voyager® Discover®
127627/1889311	49521/188933			<b>392-9063</b>
7451691/7451929	7451813/7451814			<b>392-9063</b>
H715311/H715345	552A/555S	<b>308-0856</b>	<b>382-8056</b>	<b>383-0156</b> N/A
H715311/H715345	3920/3979	<b>308-0853</b>	<b>382-8053</b>	<b>383-0153</b> N/A
HM212010/HM212049	28622/28682	<b>308-0853</b>	<b>382-8053</b>	<b>383-0153</b> N/A
HM212011/HM212044	3720/3782	<b>308-0836</b>	<b>382-8036</b>	<b>383-0136</b> <b>383-0236</b>
HM212011/HM212047	3720/3779		<b>382-8034</b>	
HM212011/HM212047	3720/3782	<b>308-0836</b>	<b>382-8036</b>	<b>383-0136</b> <b>383-0236</b>
HM212011/HM212047	45220/45282		<b>382-8034</b> <b>382-8071</b>	<b>383-0171</b>
HM212011/HM212049	3720/3782	<b>308-0836</b>	<b>382-8036</b>	<b>383-0136</b> <b>383-0236</b>
			<b>382-8032</b>	
HM212011/HM212049	45220/45280		<b>382-8039</b>	<b>383-0139</b> <b>383-0239</b>
HM212011/HM212049X	3720/3782	<b>308-0836</b>	<b>382-8036</b>	<b>383-0136</b> <b>383-0236</b>
HM218210/HM218248	HM212011/HM212049	<b>307-0743</b>	<b>372-7097</b>	<b>373-0143</b> <b>373-0243</b>
JM205110/JM205149	25820/25877	<b>308-0866</b>	<b>382-8066</b>	<b>383-0166</b> <b>383-0175</b>
JM207010/JM207049	25820/25877	<b>308-0866</b>	<b>382-8066</b>	<b>383-0166</b>
HM516410/HM516449	572/575		<b>392-9007</b>	
HM516410/HM516449	47620/47679	<b>309-0904</b>	<b>392-9112</b>	<b>393-0104</b> <b>393-0204</b>
			<b>392-9007</b>	
HM516410/HM516449A	47620/47679	<b>309-0904</b>	<b>392-9130*</b>	<b>393-0104</b> <b>393-0204</b>
HM518410/HM518445	HM518410/HM518445	<b>307-0723</b>	<b>372-7099</b>	<b>373-0123</b> <b>373-0223</b>
JM205149	32207			<b>383-0175</b>
JM205110/JM204149A	25820/25877		<b>382-8066</b>	<b>383-0166</b>
JM511910/JM510946	JM205110/JM205149		<b>372-7049</b>	
JF7049A		<b>308-0870</b>		
33212	33208			<b>383-0176</b>

Shaded numbers indicate obsolete part numbers, refer to Engineering Changes for more information.

# Guardian® / Guardian® HP Hub-Seals

Guardian® Seal No.	Inner Bearing Cup/Cone	Outer Bearing Cup/Cone	Universal Axle Tool Head*	Grit Guard® Equiv.	Voyager® Discover® Endeavor® Equiv.	Remarks
<b>307-0713**</b>	653/663	553X/560 HM212011/ HM212049	<b>555-5100</b>	<b>372-7098</b>	<b>373-0113</b> <b>373-0213</b>	Do not use on early hubs and wheels that have seal bore diameter greater than 5.758.
<b>307-0723**</b>	HM518410/ HM518445	HM518410/ HM518445	<b>555-5023</b>	<b>372-7099</b>	<b>373-0123</b> <b>373-0223</b> <b>373-0323</b>	Guardian® set for Pro-Par axle; Also Eaton P-22 and Meritor TP Hub Cap tool #570-7008.
<b>307-0743**</b>	HM218210/ HM218248	HM212011/ HM212049	<b>555-5039</b>	<b>372-7097</b>	<b>373-0143</b> <b>373-0243</b> <b>373-0343</b>	Will not fit Std. Forge Hub mfg. prior to 8/71 nor Kershaw K-22 Axle prior to 1/73, nor Std. Forge A22-S Axle prior to 5/71, nor KBW prior to 1/78.
<b>307-0744</b>	653/665A	HM212011/ HM212049	<b>555-5069</b>	<b>372-7095</b>	<b>373-0144</b>	Do not use with Budd hubs having seal bore diameter greater than 5.758. When used with Eaton inboard skid control, use <b>320-2118</b> & <b>310-1037</b> .

\*Use 555 series Tool Heads with Universal Axle Tool body **555-0001**.

\*\*HP Design.

**Very Important! These seal sets must be installed with the tools listed in this catalog!**

# Trailer, Tag & Pusher Axles

Hub or Wheel	Hub Cap Mounting			Hub Cap 1 Each**	
	No. Bolts	Bolt Circle	Bolt Size	Hub Cap w/ Gasket	Gasket Number
Budd, Dayton, Erie Wheel Nos. 878, 8781, All Erie after Jan 1965, Hutch, Shuler Standard Forge, Meritor Gunitite Wheel Nos. 5085, 5108, 5118, 5119, 5185, 5215, 5219 Webb Wheel Series: 5541, 5591, 6315, 6320, 6322	6	5-1/2	5/16	<b>340-4009</b>	<b>330-3009</b>
Trailmobile, Webb Wheel or Hub Series: All Hubs, 6321, 6323, 315, 320, 322, 400, 422 440, 550, 555, 852	5	5-1/2	5/16	<b>340-4013</b>	<b>330-3013</b>
Pro-Par	6-1/4x8 TPI (M)			<b>340-4075</b>	<b>330-3077</b>
Motor Wheel Hub 89402-F, Webb, etc.	6	6-3/4	5/16	<b>340-4195</b>	<b>330-3118</b>
All Exc T/M before 4/89	6	5-1/2	5/16	<b>340-4009</b>	<b>330-3009</b>
T/M before 4/89	5	5-1/2	5/16	<b>340-4013</b>	<b>330-3013</b>
Budd, Dayton, Erie 1965 Up, Hutch, Shuler, Std. Forge, Meritor, Gunitite Nos. 5085, 5108, 5118, 5119, 5185, 5215, 5218, 5219, TTA745, TB745, TA768, Webb Nos. 5541, 5591, 6315, 6320, 6321, 6322, 6323	6	5-1/2	5/16	<b>340-4009</b>	<b>330-3009</b>
Trailmobile and Webb Nos. All Hubs, 315, 320, 322, 400, 422, 440, 550, 555, 852	5	5-1/2	5/16	<b>340-4013</b>	<b>330-3013</b>

\*\*For hub cap with pipe plug use 343-prefix.

**Hub caps sold separately!**

# Voyager®/Discover®/Endeavor® Hub-Seals

Voyager® Discover® Endeavor®	Inner Bearing Cup/Cone	Outer Bearing Cup/Cone	Fleet Hub Tool*	Bearing Guide	Guardian® Equivalent	Grit Guard® Equivalent	Remarks
<b>373-0113</b> <b>373-0213</b>	653/663	553X/560 HM212011/ HM212049	<b>551-5313</b>	<b>570-0023</b>	<b>307-0713</b>	<b>372-7098</b>	Do not use on early hubs and wheels that have seal bore diameter greater than 5.758.
<b>373-0123</b> <b>373-0223</b> <b>373-0323</b>	HM518410/ HM518445	HM518410/ HM518445	<b>551-5401</b>	<b>570-0025</b>	<b>307-0723</b>	<b>372-7099</b>	Fits Pro-Par axle; also Eaton P-22 and Meritor TP. Hub cap tool # <b>570-7008</b> .
<b>373-0143</b> <b>373-0243</b> <b>373-0343</b>	HM218210/ HM218248	HM212011/ HM212049	<b>551-5412</b>	<b>570-0026</b>	<b>307-0743</b>	<b>372-7097</b>	Will not fit Std. Forge Hub mfd. prior to 8/71 nor Kershaw K-22 Axle prior to 1/73, nor x prior to 1/73, nor Std. Forge A22-S KBW prior to 1/78.
<b>373-0144</b>	653/665A	HM212011/ HM212049	<b>551-5339</b>	<b>570-0024</b>	<b>307-0744</b>	<b>372-7095</b>	Do not use with Budd hubs having seal bore diameter greater than 5.758. When used with Eaton inboard skid control, use <b>320-2118</b> & <b>310-1037</b> . Use Hub tool <b>551-5321</b> with <b>372-7095</b>
<b>373-0191</b>	742/749 or 749S	632/643	<b>551-5401</b>	<b>570-0003</b>	<b>N/A</b>	<b>372-7091</b>	Will not fit S/F A-21-T prior to 6/71. Will not fit Gunite Wheels R-20-319 or T22-319.

\*Use 551 series Tools with Universal Tool handle **551-0001**.

**Very Important! These seal sets must be installed with the tools listed in this catalog!**

# Trailer, Tag & Pusher Axles

Hub or Wheel	Hub Cap Mounting			Hub Cap 1 Each**	
	No. Bolts	Bolt Circle	Bolt Size	Hub Cap w/ Gasket	Gasket Number
Budd, Dayton, Erie Wheel Nos. 878, 8781, All Erie after Jan 1965, Hutch, Shuler Standard Forge, Meritor Gunite Wheel Nos. 5085, 5108, 5118, 5119, 5185, 5215, 5219, Webb Wheel Series: 5541, 5591, 6315, 6320, 6322.	6	5 1/2	5/16	<b>340-4009</b>	<b>330-3009</b>
Trailmobile, Webb Wheel or Hub Series: All Hubs, 6321, 6323, 315, 320, 322, 400, 440, 550, 555, 852	5	5 1/2	5/16	<b>340-4013</b>	<b>330-3013</b>
Pro-Par Motor Wheel Hub 89402-F	6 1/4x8 TPI (M)			<b>340-4075</b>	<b>330-3077</b>
	6	6 3/4	5/16	<b>340-4195</b>	<b>330-3118</b>
All Exc T/M before 4/89 T/M before 4/89	6	5 1/2	5/16	<b>340-4009</b>	<b>330-3009</b>
	5	5 1/2	5/16	<b>340-4013</b>	<b>330-3013</b>
Budd, Dayton, Erie 1965 Up, Hutch, Shuler, Std. Foirge, Meritor, Gunite Nos. 5085, 5108, 5118, 5119, 5185, 5215, 5218, 5219, TTA745, TB745, TA768, Webb Nos. 5541, 5591, 6315, 6320, 6321, 6322, 6323	6	5 1/2	5/16	<b>340-4009</b>	<b>330-3009</b>
	5	5 1/2	5/16	<b>340-4013</b>	<b>330-3013</b>
Trailmobile and Webb Nos. All Hubs, 315, 320, 322, 400, 422, 440, 550, 555, 852	5	5 1/2	5/16	<b>340-4013</b>	<b>330-3013</b>
Erie Wheels Meritor Hub, Dayton, Webb, Standard Forge DW-10, DW-13, LW-10	3	6 1/8	3/8	<b>340-4011</b>	<b>330-3011</b>
	6	6 1/8	5/16	<b>340-4163</b>	<b>330-3104</b>
	6	6	5/16	<b>340-4059</b>	<b>330-3056</b>

\*\*For hub cap with pipe plug use 343-prefix.

**Hub caps sold separately!**

# Standard Hub-Seal Sets

Wheel Set No.	Wheel Set Components (1 Each per Set)		Inner Bearing Cup/Cone	Outer Bearing Cup/Cone	Universal Axle Tool Head*	Universal Hub Tool Head**	Bearing Guide
	Axle Ring	Oil Seal					
<b>372-7003</b>	310-1057	320-2109	653/663	HM212011/ HM212049 553X/560	555-5031	551-5313	570-0023
<b>372-7006</b>	310-1036	320-2046	563/567	522/528	555-5011	551-5388	N/A
<b>372-7015</b>	310-1043	320-2041	752/759	742/740	555-5023	551-5398	570-0025
<b>372-7022</b>	310-1022	320-2023	592A/593	65320/65390	NONE	551-5401	570-0025
<b>372-7024</b> (Obsolete)	310-1023	320-2173	742/749 or 749S	632/643	555-5024	551-5401	N/A
<b>For Grit Guard® Set No. 372-7091 See page 22.</b>							
<b>372-7046</b>	310-1008	320-2018	28920/ 28995	25523/ 25580	555-5052	551-5351	N/A
<b>372-7049</b>	310-1064	320-2136	JM511910/ JM511946	JM205110/ JM205149	555-5055	551-5381	N/A
<b>372-7062</b>	310-1130	320-2023	592A/593	65320/65390 HH506310/ HH506348	555-5023	551-5401	570-0025

\*Use 555 series Tool Heads with Universal Axle Tool body **555-0001** (installs axle/deflector rings).

\*\* Use 551 series tools with new Universal Hub Tool Handle **551-0001** (installs 320 series Voyager® and Discover® seals).

**Shaded numbers indicate obsolete part numbers - refer to engineering changes for more information.**

# Trailer, Tag & Pusher Axles

Remarks	Hub or Wheel	Hub Cap Mounting			Hub Cap 1 Each**	
		No. Bolts	Bolt Circle	Bolt Size	Hub Cap w/ Gasket	Gasket Number
	K-B Hub	None	Blank	None	<b>340-4015*</b>	<b>330-3015</b>
	Erie, Webb 6313	3	5-1/4	3/8	<b>340-4002</b>	<b>330-3002</b>
	Dayton	6	5-1/2	5/16	<b>340-4009</b>	<b>330-3009</b>
	Erie	3	6-1/8	3/8	<b>340-4011</b>	<b>330-3011</b>
	Webb Nos. 273,275 & 625	3	5-1/2	3/8	<b>340-4014</b>	<b>330-3014</b>
	Meritor & Std. Forge Hub	6	4-1/2	5/16	<b>340-4024</b>	<b>330-3024</b>
	Blank Cap for Dayton, Erie, Gunite & Webb 22" 6-spoke wheel.	None	Blank	None	<b>340-4054*</b>	<b>330-3017</b>
	Standard Forge Hub	7	6-7/8	7/16	<b>340-4082</b>	<b>330-3062</b>
	Dayton 11-14334-052-2	6	6-3/4	3/8	<b>340-4064</b>	<b>330-3079</b>
Fruehauf No. 5 (Prior to 2/60) Includes O-ring <b>355-5502</b>	Fruehauf No. 5 (Prior to Feb. 1960)	3	5-1/4	3/8	<b>340-4019</b>	<b>330-3019</b>
Will not fit S/F A-21-T prior to 6/71. Will not fit Gunite wheels R20-319 or T22-319.	Erie Wheels	3	6-1/8	3/8	<b>340-4011</b>	<b>330-3011</b>
		6	6-1/8	5/16	<b>340-4163</b>	<b>330-3104</b>
	Meritor Hub, Dayton, Webb, Standard Forge DW-10, DW-13, LW-10	6	6	5/16	<b>340-4059</b>	<b>330-3056</b>
	Standard Forge 300100-001 after 1/76, Erie 350	4	4	1/4	<b>340-4157*</b>	<b>330-3102</b>
	Kelsey-Hayes	6	4-1/16	3/16	<b>340-4139*</b>	<b>330-3094</b>
Fruehauf Modified #5, 2/60 & up.	Fruehauf Modified #5, 2/60 & up.	3	5-1/4	3/8	<b>340-4019</b>	<b>330-3019</b>

\*Not available with pipe plug.

\*\*For hub cap with pipe plug use 343-prefix.

**Very Important! These seal sets must be installed with the tools listed in this catalog!**

# Grit Guard® Hub-Seal Sets

Wheel Set No.	Wheel Set Components (1 Each per Set)		Inner Bearing Cup/Cone	Outer Bearing Cup/Cone	Universal Axle Tool Head*	Universal Hub Tool Head**	Bearing Guide
	Axle Ring	Oil Seal					
<b>372-7091</b>	315-1503	320-2173	742/749 or 749S	632/643	555-5024	551-5401	N/A
<b>For Voyager® Seal No. 373-0191, see page 18.</b>							
<b>372-7095</b>	315-1510	320-2118	653/665A	HM212011/ HM212049	555-5069	551-5321	570-0024
<b>For Guardian® Seal No. 307-0744, see page 16.</b>							
<b>For Voyager® Seal No. 373-0144, see page 18.</b>							
<b>372-7096</b>	315-1506	320-2111	772/787	6535/6580	555-5016	551-5323	N/A
<b>372-7097</b>	315-1504	320-2110	HM218210/ HM218248	HM212011/ HM212049	555-5039	551-5412	570-0026
<b>For Guardian®HP Seal No. 307-0743, see page 16.</b>							
<b>For Voyager® Seal No. 373-0143, see page 18.</b>							
<b>For Discover® Seal No. 373-0243, see page 18.</b>							
<b>For Endeavor® Seal No. 373-0343, see page 18.</b>							

\*Use 555 series heads with Universal Axle Tool body 555-0001 (installs axle/deflector rings).

\*\* Use 551 series tools with new Universal Hub Tool Handle 551-0001 (installs 320 series seals, Voyager® and Discover®).

**Very Important! These seal sets must be installed with the tools listed in this catalog!**



# Trailer, Tag & Pusher Axles

Remarks	Hub or Wheel	Hub Cap Mounting			Hub Cap 1 Each**	
		No. Bolts	Bolt Circle	Bolt Size	Hub Cap w/ Gasket	Gasket Number
Will not fit S/F A-21-T prior to 6/71. Will not fit Gunite wheels R20-319 or T22-319.	Erie Wheels	3	6-1/8	3/8	<b>340-4011</b>	<b>330-3011</b>
		6	6-1/8	5/16	<b>340-4163</b>	<b>330-3104</b>
	Meritor Hub, Dayton, Webb, Standard Forge DW-10, DW-13, LW-10	6	6	5/16	<b>340-4059</b>	<b>330-3056</b>
Do not use with Budd hubs having seal bore diameter greater than 5.758. When used with Eaton inboard skid control, use <b>320-2118</b> and <b>310-1037</b> .	Budd, Dayton, Erie 65-Up Hutch, Shuler, Standard Forge, Meritor Gunite Wheel Nos. 5085, 5108, 5118, 5119, 5185, 5215, 5218, 5219, TA745, TB745, TA768 Webb Wheel Nos. 5541, 5591, 6315, 6320, 6321, 6322	6	5-1/2	5/16	<b>340-4009</b>	<b>330-3009</b>
	Trailmobile Webb Wheel or Hub Series: All Hubs, 315, 320, 322, 400, 422, 440, 550, 555, 852	5	5-1/2	5/16	<b>340-4013</b>	<b>330-3013</b>
	Webb Wheel Series: 025, 273, 508, 612, 613, 625, 770, 771, 800, 850, 4812, 5013	None	Blank	None	<b>340-4015*</b>	<b>330-3015</b>
	Standard Forge A-3500A-1; 300135-001	6	7-1/4	1/4	<b>343-4107</b>	<b>330-3084</b>
Will not fit Std. Forge Hub mfg. prior to 8/71 nor Kershaw K-22 axle prior to 1/73, nor Std Forge A22-S axle prior to 5/71, nor KBW prior to 1/78. Ring <b>315-1504</b> will not fit shoulders less than .625, use <b>310-1048</b> .	All Excluding T/M before 4/89	6	5-1/2	5/16	<b>340-4009</b>	<b>330-3009</b>
	T/M before 4/89	5	5-1/2	5/16	<b>340-4013</b>	<b>330-3013</b>

\*Not available with pipe plug.

\*\*For hub cap with pipe plug use 343-prefix.

**Hub caps sold separately!**

# Grit Guard® Hub-Seal Sets

Wheel Set No.	Wheel Set Components (1 Each per Set)		Inner Bearing Cup/Cone	Outer Bearing Cup/Cone	Universal Axle Tool Head*	Universal Hub Tool Head**	Bearing Guide
	Axle Ring	Oil Seal					
<b>372-7098</b>	315-1507	320-2109	653/663	553X/560 HM212011/ HM212049	<b>555-5100</b>	<b>551-5313</b>	<b>570-0023</b>
<b>For Guardian®HP Seal No. 307-0713, see page 16.</b>							
<b>For Voyager® Seal No. 373-0113, see page 18.</b>							
<b>For Discover® Seal No. 373-0213, see page 18.</b>							
<b>372-7099</b>	315-1503	320-2023	HM518410/ HM518445	HM518410/ HM518445	<b>555-5023</b>	<b>551-5401</b>	<b>570-0025</b>
<b>For Guardian®HP Seal No. 307-0723, see page 16.</b>							
<b>For Voyager® Seal No. 373-0123, see page 18.</b>							
<b>For Discover® Seal No. 373-0223, see page 18.</b>							
<b>For Endeavor® Seal No. 373-0323, see page 18.</b>							

\*Use 555 series Tool Heads with Universal Axle Tool body **555-0001** (installs axle/deflector rings).

\*\* Use 551 series tools with new Universal Tool Handle **551-0001** (installs 320 series seals, Voyager® and Discover®).

**Very Important! These seal sets must be installed with the tools listed in this catalog!**

# Trailer, Tag & Pusher Axles

Remarks	Hub or Wheel	Hub Cap Mounting			Hub Cap 1 Each**	
		No. Bolts	Bolt Circle	Bolt Size	Hub Cap w/ Gasket	Gasket Number
Do not use on early hubs and wheels that have seal bore diameter greater than 5.758.	Budd, Dayton, Erie Wheel Nos. 878, 8781, All Erie after Jan. 1965, Hutch, Shuler, Standard Forge, Meritor Gunitite Wheel Nos. 5085, 5108, 5118, 5119, 5185, 5215, 5219 Webb Wheel Series: 5541, 5591, 6315, 6320, 6322	6	5-1/2	5/16	<b>340-4009</b>	<b>330-3009</b>
	Trailmobile Webb Wheel or Hub Series All Hubs, 6321, 6323, 315, 320, 322, 400, 422, 440, 550, 555, 852	5	5-1/2	5/16	<b>340-4013</b>	<b>330-3013</b>
	Webb 775	None	Blank	None	<b>340-4015*</b>	<b>330-3015</b>
Fits Pro-Par axle, Eaton P-22 and Meritor TP. Hub Cap tool no. <b>570-7008</b>	Pro-Par	6-1/4 x 8 UN (M)			<b>340-4075</b>	<b>330-3077</b>
	Motor Wheel Hub 89402-F, Webb, etc.	6	6-3/4	5/16	<b>340-4195</b>	<b>330-3118</b>

\*Not available with pipe plug.

\*\*For hub cap with pipe plug use 343-prefix.

**Hub caps sold separately!**

# Guardian® Hub-Seals

Guardian® HP/ Guardian® Seal No.	Inner Bearing Cup/Cone	Outer Bearing Cup/Cone	Universal Axle Tool Head*	Standard Set Equiv.	Voyager® Discover® Endeavor® Equiv.	Remarks
<b>308-0836**</b>	39520/39581	3525/3585	<b>555-5062</b>	<b>382-8036</b>	<b>383-0136</b> <b>383-0236</b> <b>383-0336</b>	Ford 9000# axle. Code N (FD-900),with 15x3 or 15x3-1/2 wedge brakes,use <b>382-8027</b> set. GMC only (FE-900),prior to 1960 use, <b>310-1036</b> and <b>320-2031</b> . Be sure steering adjustment stop bolt does not interfere with ring.
	HM212011/ HM212044 553X/557A	3720/3782	<b>555-5061</b>			
	HM212011/ HM212049 HM212011/ HM212049-X, X1	3720/3782	<b>555-5098</b>			
	HM212011/ HM212047	3720/3782	<b>555-5066</b>			
<b>308-0853</b>	632/641	3920/3979	<b>555-5060</b>	<b>382-8053</b>	<b>383-0153</b> N/A	
	H715311/ H715345	3920/3979	<b>555-5070</b>			
	HM212011/ HM212049	28622/28682	<b>555-5060</b>			
<b>308-0855</b>	632/641	28622/28682	<b>555-5060</b>	N/A	<b>383-0156</b> N/A	Use with FA-109 1979 & up spoke wheel number 454593-C2. Must be used with hydraulic brakes after 75. FA-109 comes with hydraulic brakes. IHC application.
<b>308-0856</b>	H715311/ H715345 632/641	28622/28682 552A/555S	<b>555-5070</b>	<b>382-8056</b>	<b>383-0156</b> N/A	
<b>308-0863</b>	39520/ 39581	3525/3585	<b>555-5062</b>	<b>382-8063</b>	N/A	Ford 9000# 1975 to 1984
	45220/ 45284	25820/ 25880	<b>555-5064</b>			Ford 9000# 1984 up

\*Use 555 series tool heads with Universal Axle Tool body **555-0001**.

\*\*HP Design

**Very Important! These seal sets must be installed with the tools listed in this catalog!**

# Front Axles

Seal Sets  
Front Axles

Installation  
Tools

Component  
Specs

Pro-Torq®

Long-Life  
Systems

Engineering  
Changes

Cross  
Reference

Installation  
Instructions

Hub or Wheel	Hub Cap Mounting			Hub Cap 1 Each*	
	No. Bolts	Bolt Circle	Bolt Size	Hub Cap w/ Gasket	Gasket Number
Brockway - Gunite Spoke Wheel FA-670, FB-670	6	5-1/2	5/16	<b>340-4009</b>	<b>330-3009</b>
R/S Hub A-333-M-2187	6	4-1/2	5/16	<b>340-4024</b>	<b>330-3024</b>
Mack Western - R/S Hub A-333-M-2197	6	4-1/2	5/16	<b>340-4024</b>	<b>330-3024</b>
Gunite Spoke Wheel FA-670, FB-670	6	5-1/2	5/16	<b>340-4095</b>	<b>330-3009</b>
Meritor-Std. Hub & Some IHC Spoke Wheels	6	4-1/2	5/16	<b>340-4024</b>	<b>330-3024</b>
Gunite F20-20X, F20-34, 1785	4	5	1/4	<b>340-4028</b>	<b>330-3028</b>
Gunite F22-58, F20-58, F20-26, F22-26, F20-57, F22-57	4	5	5/16	<b>340-4186</b>	<b>330-3120</b>
Dayton F-8226, F-8321, 02, 09021 and Webb 903, 9523	6	5-1/8	5/16	<b>340-4042</b>	<b>330-3041</b>
Dodge Spoke Wheel	6	5-1/2	5/16	<b>340-4249</b>	<b>330-3122</b>
Dayton 09843	6	4-1/2	5/16	<b>340-4024</b>	<b>330-3024</b>
K-W Hub	6	5-1/2	5/16	<b>340-4249</b>	<b>330-3122</b>
Budd 100122, Dayton 9807, Gunite FA-670, 701, 740, FB-670, 701, 740	6	5-1/2	5/16	<b>340-4095</b>	<b>330-3009</b>
White spoke wheel or hub					
Mack Western spoke wheel					
Dayton F-7428, F-7444, F-7468, F-74981, F-7482, F-7483, F-7484, F-9066	6	5-1/8	5/16	<b>340-4066</b>	<b>330-3041</b>
Dayton 0214107	6	5-1/2	5/16	<b>340-4046</b>	<b>330-3009</b>
Freightliner Aluminum Hub	6	6-5/8	1/4	<b>340-4034</b>	<b>330-3034</b>
Kenworth, Peterbilt Aluminum Hub	6	5-9/16	5/16	<b>340-4149</b>	<b>330-3097</b>
Hub within 97	6	5-1/2	5/16	<b>340-4046</b>	<b>330-3009</b>
Hub or Wheel within 96" Limit	6	5-1/2	5/16	<b>340-4249</b>	<b>330-3122</b>
Spoke Wheel within 97" Limit	6	5-1/2	5/16	<b>340-4095</b>	<b>330-3009</b>
FA-109 with Cast Spoke Wheel '79 & up.	6	5-1/2	5/16	<b>340-4249</b>	<b>330-3122</b>
Hub or Wheel within 96" Limit	6	5-1/2	5/16	<b>340-4249</b>	<b>330-3122</b>
Hub within 97" Limit	6	5-1/2	5/16	<b>340-4046</b>	<b>330-3009</b>
Spoke Wheel within 97" Limit	6	5-1/2	5/16	<b>340-4095</b>	<b>330-3009</b>
Hub or Wheel	4	5	5/16	<b>340-4186</b>	<b>330-3120</b>

\*For hub cap with pipe plug use 343-prefix.

**Hub caps ordered separately!**

# Guardian® Hub-Seals

Guardian® HP/ Guardian Seal No.	Inner Bearing Cup/Cone	Outer Bearing Cup/Cone	Universal Axle Tool Head*	Standard Set Equiv.	Voyager® Discover® Equiv.	Remarks
<b>308-0864</b>	6420/6461A	552A/555S	<b>555-5007</b>	<b>382-8064</b>	<b>383-0164</b> <b>383-0264</b>	
		3920/3979				
<b>308-0866</b>	JM207010/ JM207049A	25820/25877	<b>555-5088</b>	<b>382-8066</b>	<b>383-0166</b>	
	JM205110/ JM205149A	25820/25877	<b>555-5089</b>			
<b>308-0870</b>	JF7049A		<b>555-5297</b>	<b>N/A</b>	<b>N/A</b>	Volvo FA 7.5 Front Axle
<b>381-0148</b> □	H414210/ H414245A	513047	<b>555-5291</b>	<b>N/A</b>	<b>N/A</b>	Isuzu FVR, Chev, GMC W7HV
<b>381-0150</b> □	HM212011/ HM212047	4335/4388	<b>555-5295</b>	<b>N/A</b>	<b>N/A</b>	Isuzu FTR, Chev, GMC W7

\*Use 555 series tool heads with Universal Axle Tool body **555-0001**.

□ SS4 Seal

**Very Important! These seal sets must be installed with the tools listed in this catalog!**

# Front Axles

Seal Sets  
Front Axles

Installation  
Tools

Component  
Specs

Pro-Torq®

Long-Life  
Systems

Engineering  
Changes

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Reference

Installation  
Instructions

Hub or Wheel	Hub Cap Mounting			Hub Cap 1 Each*	
	No. Bolts	Bolt Circle	Bolt Size	Hub Cap w/ Gasket	Gasket Number
Dayton F-8749, 9410, 14402 Mack, Western, R/S Hub A-333-F-2304 Gunite FA-504, 534, 674, FB-400, 674 FC-400, 401, 674, Hub H-299	6	5-1/2	5/16	<b>340-4046</b>	<b>330-3009</b>
	6	5-1/2	5/16	<b>340-4249</b>	<b>330-3122</b>
Brockway R/S Hub A-333-P-2304, A-333-J-1206, A-333-W-1089, A-333-Y-1091	3	5-9/16	5/16	<b>340-4049</b>	<b>330-3042</b>
	6	5-1/2	5/16	<b>343-4249</b>	<b>330-3122</b>
Dayton F-8702, Gunite F-20-316	6	5-1/8	5/16	<b>340-4066</b>	<b>330-3041</b>
Dayton FN-8702, 8749, 8863, 9432, 9837, 14002, 3, 4, Gunite FA FB FC 705	6	5-1/2	5/16	<b>340-4095</b>	<b>330-3009</b>
R/S Hub A-333-G-2113 K/W K-150-D-204	6	5-9/16	5/16	<b>340-4149</b>	<b>330-3097</b>
Mack Spoke Wheel 19QJA318	6	5-1/2	5/16	<b>340-4098</b>	<b>330-3009</b>
IHC  Hub or Wheel	4	3-5/8	5/16	<b>340-4065</b>	<b>330-3040</b>
	6	132 mm	8.5 mm	<b>343-4269</b>	<b>330-3128</b>
	6	110 mm	8.5 mm	<b>343-4295</b>	<b>330-3130</b>

\*For hub cap with pipe plug use 343-prefix.

**Hub caps ordered separately!**

# Voyager®/Discover®/Endeavor® Hub-Seals

Voyager®/ Discover®/ Endeavor®	Inner Bearing Cup/Cone	Outer Bearing Cup/Cone	Fleet Hub Tool*	Bearing Guide	Guardian® Equivalent	Standard Set Equivalent	Remarks
<b>383-0101</b>	6320/6386 or 6389	552A/557S	<b>551-5420</b>	<b>570-0020</b>	N/A	<b>382-8001</b>	Bearing spacer not part of set. Purchase from dealer if damaged or worn. When used on tag or pusher axle with inner cone 6379, bearing spacer is not used.
	6320/6379	552A/557S		N/A			
<b>383-0136</b> <b>383-0236</b> <b>383-0336</b>	39520/39581	3525/3585	<b>551-5346</b>	<b>570-0017</b>	308-0836	<b>382-8036</b>	Ford 9000# axle. Code N (FD-900), with 15x3 or 15x3-1/2 wedge brakes, use <b>382-8027</b> set. GMC only (FE-900), prior to 1960, use <b>310-1036</b> and <b>320-2031</b> sets. Be sure steering adjustment stop bolt does not interfere with ring.
	HM212011/ HM212044 553X/557A	3720/3782	<b>551-5346</b>	<b>570-0018</b>			
	HM212011/ HM212049 HM212011/ HM212049X,X1	3720/3782	<b>551-5346</b>	<b>570-0020</b>			
	HM212011/ HM212047	3720/3782	<b>551-5346</b>	<b>570-0019</b>			
<b>383-0139</b> <b>383-0239</b>	663/641	65320/65385	<b>551-5413</b>	<b>570-0020</b>	N/A	<b>382-8039</b>	<b>383-0139</b> must be used with <b>310-1132</b> ring, available in kit <b>383-8139</b> . Replacement o-ring for <b>310-1132</b> is <b>355-5507</b> .
	HM212011/ HM212049	45220/45280					
<b>Must be ordered as 383-8139 to receive 310-1132 ring.</b>							
<b>383-0153</b>	632/641	3920/3979	<b>551-5419</b>	<b>570-0020</b>	308-0853	<b>382-8053</b>	Used Hub tool with <b>551-5349</b> with <b>382-8053</b> .
	H715311/ H715345	3920/3979	<b>551-5419</b>	<b>570-0021</b>			
	HM212011/ HM2120490	28622/28682	<b>551-5419</b>	<b>570-0020</b>			

\*Use 551 series Tool Heads with Universal Tool Handle **551-0001**.

Shaded numbers indicate obsolete part numbers.



Hub or Wheel	Hub Cap Mounting			Hub Cap 1 Each*	
	No. Bolts	Bolt Circle	Bolt Size	Hub Cap w/ Gasket	Gasket Number
Hub or spoke Wheel with 6 hole cap	6	6	3/8	343-4080	330-3060
Brockway - Gunite Spoke Wheel FA-670, FB-670	6	5-1/2	5/16	340-4009	330-3009
R/S Hub A-333-M-2187	6	4-1/2	5/16	340-4024	330-3024
Mack Western - R/S Hub A-333-M-2197	6	4-1/2	5/16	340-4024	330-3024
Gunite Spoke Wheel FA-670, FB-670	6	5-1/2	5/16	340-4095	330-3009
Meritor-Std. Hub & Some IHC Spoke Wheels	6	4-1/2	5/16	340-4024	330-3024
Gunite F20-20X, F20-34, 1785	4	5	1/4	340-4028	330-3028
Gunite F22-58, F20-58, F20-26, F22-26, F20-57, F22-57	4	5	5/16	340-4186	330-3028
Dayton F-8226, F-8321, 02, 09021 and Webb 903, 9523	6	5-1/8	5/16	340-4042	330-3041
Dodge Spoke Wheel	6	5-1/2	5/16	340-4249	330-3122
Dayton 09843	6	4-1/2	5/16	340-4024	330-3024
K-W Hub	6	5-1/2	5/16	340-4249	330-3122
Budd 100122, Dayton 9807, Gunite FA-670, 701, 740, FB-670, 701, 740 White spoke wheel or hub Mack Western spoke wheel	6	5-1/2	5/16	340-4095	330-3009
Dayton F-7428, F-7444, F-7468, F-74981, F-7482, F-7483, F-7484, F-9066	6	5-1/8	5/16	340-4066	330-3041
Dayton 0214107	6	5-1/2	5/16	340-4046	330-3009
Freightliner Aluminum Hub	6	6-5/8	1/4	340-4034	330-3034
Kenworth, Peterbilt Aluminum Hub	6	5-9/16	5/16	340-4149	330-3097
Spoke Wheel & Aluminum Hub Gunite Spoke Wheel FA-704, FB-704" Gunite Malleable Hub H-312 Mack Western - Mack Alum. Hub 6QJ-456 Steel Hub	6	5-7/8	5/16	343-4025	330-3025
	6	5-1/4	5/16	340-4031	330-3031
Hub within 97"	6	5-1/2	5/16	340-4046	330-3009
Hub or Wheel within 96" limit	6	5-1/2	5/16	340-4249	330-3122
Spoke Wheel within 97" limit	6	5-1/2	5/16	340-4095	330-3009

\*For hub cap with pipe plug use 343-prefix.

**Hub caps sold separately!**

# Voyager®/Discover®/Endeavor® Hub-Seals

Voyager®/ Discover®	Inner Bearing Cup/Cone	Outer Bearing Cup/Cone	Fleet Hub Tool*	Bearing Guide	Guardian® Equivalent	Standard Set Equivalent	Remarks
<b>383-0156</b>	H715311/ H715345 632/641	552A/555S 28622/28682	<b>551-5344</b>	<b>570-0021</b>	<b>308-0856</b>	<b>382-8056</b>	Use <b>308-0855</b> for FA109 1979 & up Spoke wheel number 454593-C2. <b>308-0855</b> must be used with hydraulic brakes after '75. FA-109 comes with hydraulic brakes.
<b>383-0164</b> <b>383-0264</b>	6420/6461A	552A/555S 3979/3920	<b>551-5327</b>	<b>570-0022</b>	<b>308-0864</b>	<b>382-8064</b>	Mack
<b>383-0166</b>	JM207010/ JM207049A/ JM205110/ JM205149A	25820/25877 25820/25877	<b>551-5423</b>	<b>570-0036</b> <b>570-0033</b>	<b>308-0866</b>	<b>382-8066</b>	Use Hub tool <b>551-5366</b> with <b>382-8066</b>
<b>383-0171</b>	HM212011/ HM212047	45220/45282	<b>551-5403</b>	<b>570-0019</b>	<b>N/A</b>	<b>382-8071</b>	GMC F-120, F-120D axles, 1985 Up. With 5" seal bore.
<b>383-0175</b>	JM205149	32207	<b>551-5417</b>	<b>570-0033</b>	<b>N/A</b>	<b>N/A</b>	GMC Topkick
<b>383-0176</b>	33212	33208	<b>551-5418</b>	<b>570-0031</b>	<b>N/A</b>	<b>N/A</b>	GMC Topkick

\*Use 551 series Tool Heads with Universal Tool Handle **551-0001**.

**Very Important! These seal sets must be installed with the tools listed in this catalog!**

# Front Axles

Seal Sets  
Front Axles

Installation  
Tools

Component  
Specs

Pro-Torq®

Long-Life  
Systems

Engineering  
Changes

Cross  
Reference

Installation  
Instructions

Hub or Wheel	Hub Cap Mounting			Hub Cap 1 Each*	
	No. Bolts	Bolt Circle	Bolt Size	Hub Cap w/ Gasket	Gasket Number
Hub within 97"	6	5-1/2	5/16	<b>340-4046</b>	<b>330-3009</b>
Hub or Wheel within 96" limit	6	5-1/2	5/16	<b>340-4249</b>	<b>330-3122</b>
Spoke Wheel within 97" limit	6	5-1/2	5/16	<b>340-4095</b>	<b>330-3009</b>
Dayton F-8749, 9410, 14402 Mack, Western, R/S hub A-333-F-3204. Gunitite FA-504, 534, 674, FB-400, 674 674, FC-400, 401, 674, Hub H-299	6	5-1/2	5/16	<b>340-4249</b>	<b>330-3122</b>
	6	5-1/2	5/16	<b>340-4046</b>	<b>330-3042</b>
Brockway R/S Hub A-333 -P-2304, A-333-J-1206, A-333-W-1089 A-333-Y-1091	3	5-9/16	5/16	<b>340-4049</b>	<b>330-3042</b>
	6	5-1/2	5/16	<b>343-4249</b>	<b>330-3122</b>
Dayton F-8702, Gunitite F-20-316	6	5-1/8	5/16	<b>340-4066</b>	<b>330-3041</b>
Dayton FN-8702, 8749, 8863, 9432, 9837, 14002, 3, 4, Gunitite FA FB FC 705	6	5-1/2	5/16	<b>340-4095</b>	<b>330-3009</b>
R/S Hub A-333-G-2113, Peterbilt, K/W K/W K-150-D-204	6	5-9/16	5/16	<b>340-4149</b>	<b>330-3097</b>
Mack Spoke Wheel 19QJA318	6	5-1/2	5/16	<b>340-4098</b>	<b>330-3009</b>
	4	3-5/8	5/16	<b>340-4065</b>	<b>330-3040</b>
Dayton-Walther 12-14894	6	5-1/8	5/16	<b>340-4042</b>	<b>330-3041</b>
	6	5-1/8	5/16	<b>340-4066</b>	<b>330-3041</b>

\*For hub cap with pipe plug use 343-prefix.

**Hub caps sold separately!**

# Standard Hub-Seal Sets

Wheel Set No.	Wheel Set Components (1 Each per Set)		Inner Bearing Cup/Cone	Outer Bearing Cup/Cone	Universal Axle Tool Head*	Fleet Hub Tool**	Bearing Guide
	Axle Ring	Oil Seal					
<b>382-8001</b>	310-1013	320-2086	6320/6386 or 6389	552A/557S	555-5060	551-5311	570-0020
			6320/6379	552A/557S	555-5014	551-5311	N/A
<b>For Voyager® Seal No. 383-0101, see page 30.</b>							
<b>382-8005</b>	310-1061	320-2056	3720/3778	25820/25877 2720/2790	555-5001	551-5302	N/A
<b>382-8009</b>	310-1052	320-2050	45220/45284 45220/45285	2720/2786 2720/2793 2720/2796	555-5036	551-5347	N/A
<b>382-8010</b>	310-1050	320-2022	4536/4595 39520/39578	414A/418 25520/25572	NONE	551-5381	N/A
<b>382-8011</b>	310-1051	320-2031	552A/559 3920/3982	522/526 3820/3877	NONE	551-5388	570-0019
<b>382-8017</b>	310-1017	320-2017	39520/39581	26820/26878	555-5062	551-5352	570-0017
<b>382-8027</b>	310-1036	320-2119	39520/39581	3525/3585	555-5062	551-5353	570-0017

\* Use 555 series Tool Heads with Universal Axle Tool body **555-0001** (installs axle/deflector rings).

\*\* Use 551 series tools with new Universal Hub Tool Handle **551-0001** (installs 320 series seals).

**Very Important! These seal sets must be installed with the tools listed in this catalog!**

Remarks	Hub or Wheel	Hub Cap Mounting			Hub Cap 1 Each*	
		No. Bolts	Bolt Circle	Bolt Size	Hub Cap w/ Gasket	Gasket Number
Bearing spacer not part of set. Purchase from dealer if damaged or worn. When used on tag or pusher axle with inner cone 6379, bearing spacer is not used.	Hub or Spoke Wheel with 6 hole cap	6	6	3/8	<b>343-4080</b>	<b>330-3060</b>
Oil Seal <b>320-2056</b> installs in bearing cup bore.						
Axle ring must extend 1/16" over bearing cone. Oil seal <b>320-2050</b> installs in bearing cup bore.	Hub or Spoke Wheel	6	3-7/8	5/16	<b>340-4198</b>	<b>330-3119</b>
Includes O-ring <b>355-5505</b> . With 2 1/2" inner bearing journal, June, '71 up, use <b>382-8062</b> set.	Aluminum Hub	6	5-7/8	5/16	<b>343-4025</b>	<b>330-3025</b>
Includes O-ring <b>355-5506</b> .	Spoke Wheel & Aluminum Hub	6	5-7/8	5/16	<b>343-4025</b>	<b>330-3025</b>
	Steel Hub	6	5-1/4	5/16	<b>340-4031</b>	<b>330-3031</b>
Oil seal <b>320-2017</b> installs in bearing cup bore	Dayton & Gunitite Wheel	6	5-1/8	5/16	<b>340-4042</b>	<b>330-3041</b>
	Hub	6	5-1/8	5/16	<b>340-4066</b>	<b>330-3041</b>
Ford 9000# axle, Code N (FD-900), with 15x3 or 15x3-1/2 wedge brakes. With other brakes, use <b>382-8036</b> set (4.842" seal bore).	Ford Hub C5TA-1102-H, C5TA-1103-C	6	4-1/2	5/16	<b>340-4024</b>	<b>330-3024</b>

\*For hub cap with pipe plug use 343-prefix.

**Hub caps sold separately!**

# Standard Hub-Seal Sets

Wheel Set No.	Wheel Set Components (1 Each per Set)		Inner Bearing Cup/Cone	Outer Bearing Cup/Cone	Universal Axle Tool Head*	Fleet Hub Tool**	Bearing Guide
	Axle Ring	Oil Seal					
<b>382-8028</b>	<b>310-1028</b>	<b>320-2028</b>	752/756A	HM212011/ HM212046  HM212011/ HM212047	<b>555-5067</b>	<b>551-5385</b>	<b>N/A</b>
<b>382-8032</b>	<b>310-1032</b>	<b>320-2032</b>	HM212011/ HM212049	3720/3782	<b>NONE</b>	<b>551-5388</b>	<b>570-0020</b>
<b>382-8034</b>	<b>310-1034</b>	<b>320-2034</b>	HM212011/ HM212047	3720/3779 45220/45282	<b>555-5066</b>	<b>551-5387</b>	<b>570-0019</b>
<b>382-8036</b>	<b>310-1036</b>	<b>320-2036</b>	39520/39581	3525/3585	<b>555-5062</b>	<b>551-5346</b>	<b>570-0017</b>
			HM212011/ HM212044 (553X/557A) (PRE 1959)	3720/3782	<b>555-5061</b>	<b>551-5346</b>	<b>570-0018</b>
			HM212011/ HM212049 HM212011/ HM212049X-X1	3720/3782	<b>555-5098</b>	<b>551-5346</b>	<b>570-0020</b>
			HM212011/ HM212047	3720/3782	<b>555-5066</b>	<b>551-5346</b>	<b>570-0019</b>
<b>For Guardian® Seal No. 308-0836, see page 26.</b>							
<b>For Voyager® Seal No. 383-0136, see page 30.</b>							
<b>For Discover® Seal No. 383-0236, see page 30.</b>							
<b>For Endeavor® Seal No. 383-0336, see page 30.</b>							

\*Use 555 series Tool Heads with Universal Axle Tool body **555-0001** (installs axle/deflector rings).

\*\* Use 551 series tools with new Universal Tool Handle **551-0001** (installs 320 series seals).

**Very Important! These seal sets must be installed with the tools listed in this catalog!**

Remarks	Hub or Wheel	Hub Cap Mounting			Hub Cap 1 Each*	
		No. Bolts	Bolt Circle	Bolt Size	Hub Cap w/ Gasket	Gasket Number
Ford axle code F. 1970 up, use <b>382-8045</b> set.	Hub within 98" limit	6	5-7/8	5/16	<b>340-4036</b>	<b>330-3035</b>
	Spoke Wheel Dayton within 98" limit	6	5-1/2	5/16	<b>340-4046</b>	<b>330-3009</b>
	Spoke Wheel Gunite within 98" limit	6	5-1/2	5/16	<b>340-4095</b>	<b>330-3009</b>
	Hub within 96" limit	6	5-7/8	5/16	<b>343-4092</b>	<b>330-3025</b>
Includes O-ring <b>355-5507</b> .	Hub & Spoke Wheel after late 1965	6	4-1/2	5/16	<b>340-4024</b>	<b>330-3024</b>
	Freightliner Hub	6	6-5/8	1/4	<b>343-4034</b>	<b>330-3034</b>
Oil seal <b>320-2034</b> installs in bearing cup bore. GMC F-120 before 1985. See <b>382-8071</b> for later models.	GMC Spoke Wheel Nos. 618187, 618188, 610191, 610192.	6	5-1/8	5/16	<b>340-4042</b>	<b>330-3041</b>
	Motor Wheel Hub 85385, Gunite F-2070	6	5-1/8	5/16	<b>340-4066</b>	<b>330-3041</b>
Ford 9000# axle,  15x3 or 15x3-1/2 wedge brakes use <b>382-8027</b> set.  GMC only (FE-900), prior to 1960, use <b>310-1036</b> & <b>320-2031</b> .	Brockway - Gunite Spoke Code N (FD-900), with Wheel FA-670, FB-670	6	5-1/2	5/16	<b>340-4009</b>	<b>330-3009</b>
	R/S Hub A-333-M-2187	6	4-1/2	5/16	<b>340-4024</b>	<b>330-3024</b>
	Mack Western-R/S Hub A 333-M-2197	6	4-1/2	5/16	<b>340-4024</b>	<b>330-3024</b>
	Gunite Spoke Wheel FA-670, FB-670	6	5-1/2	5/16	<b>340-4095</b>	<b>330-3009</b>
	Gunite F20-20X, F20-34, 1785	4	5	1/4	<b>340-4028</b>	<b>330-3028</b>
	Gunite F22-58, F20-58, F20-26, F22-26, F20-57, F22-57	4	5	5/16	<b>340-4186</b>	<b>330-3028</b>
	Dayton F-8226, F-8321, 02, 09021 and Webb 9503, 9523	6	5-1/8	5/16	<b>340-4042</b>	<b>330-3041</b>
	Dodge Spoke Wheel, K-W Hub	6	5-1/2	5/16	<b>340-4249</b>	<b>330-3122</b>
	Budd 100122, Dayton 9807 White, Volvo White, Volvo GM-Spoke and hub	6	5-1/2	5/16	<b>340-4095</b>	<b>330-3009</b>
	Mack Western Spoke Wheel					
	Dayton F-7428, F-7444, F-7468, F-74981, F-7482, F-7483, F-7484, F-9066	6	5-1/8	5/16	<b>340-4066</b>	<b>330-3041</b>
	Freightliner Aluminum Hub	6	6-5/8	1/4	<b>340-4034</b>	<b>330-3034</b>
Kenworth, Peterbilt Alum. Hub	6	5-9/16	5/16	<b>340-4149</b>	<b>330-3097</b>	

\*For hub cap with pipe plug use 343-prefix.

**Hub caps sold separately!**

# Standard Hub-Seal Sets

Wheel Set No.	Wheel Set Components (1 Each per Set)		Inner Bearing Cup/Cone	Outer Bearing Cup/Cone	Universal Axle Tool Head*	Fleet Hub Tool**	Bearing Guide
	Axle Ring	Oil Seal					
<b>382-8039</b> (Obsolete)	310-1038	320-2039	663/641 HM212011/ HM212049	65320/65385 45220/45280	NONE	551-5395	570-0020
<b>For Voyager® Seal No. 383-0139, see page 30.</b>							
<b>For Discover® Seal No. 383-0239, see page 30.</b>							
<b>382-8044</b>	310-1008	320-2105	45220/45284	2720/2780 25820/25880	555-5064	551-5351	N/A
<b>382-8045</b>	310-1028	320-2041	752/756A	HM212011/ HM212046 HM212011/ HM212047	555-5067	551-5398	N/A
<b>382-8052</b>	310-1009	320-2181	6320/6386A 5735/5760	532A/537 39520/39590	555-5060	551-5349	570-0020
<b>382-8053</b>	310-1093	320-2181	632/641	3920/3979	555-5060	551-5349	570-0020
			H715311/ H715345	3920/3979	555-5070	551-5349	570-0021
			HM212011/ HM212049	28622/28682	555-5060	551-5349	570-0020
<b>For Guardian® Seal No. 308-0853, see page 26.</b>							
<b>For Voyager® Seal No. 383-0153, see page 30.</b>							

\*Use 555 series Tool Heads with Universal Axle Tool body **555-0001** (installs axle/deflector rings).

\*\* Use 551 series tools with new Universal Tool Handle **551-0001** (installs 320 series seals).

**Very Important! These seal sets must be installed with the tools listed in this catalog!**



Remarks	Hub or Wheel	Hub Cap Mounting			Hub Cap 1 Each*	
		No. Bolts	Bolt Circle	Bolt Size	Hub Cap w/ Gasket	Gasket Number
Includes O-ring <b>355-5507</b> . Use 551-5413 Tool for Voyager® and Discover®.	Spoke Wheel & Aluminum Hub Gunitite Spoke Wheel FA-704, FB-704" Gunitite Malleable Hub H-312 Mack Western - Mack Alum. Hub 6QJ-456	6	5-7/8	5/16	<b>343-4025</b>	<b>330-3025</b>
	Steel Hub	6	5-1/4	5/16	<b>340-4031</b>	<b>330-3031</b>
	Hub or Wheel	4	3-5/8	5/16	<b>340-4065</b>	<b>330-3040</b>
	Hub within 98" limit	6	5-7/8	5/16	<b>340-4036</b>	<b>330-3035</b>
	Dayton within 98" limit	6	5-1/2	5/16	<b>340-4046</b>	<b>330-3009</b>
	Gunitite 98" limit	6	5-1/2	5/16	<b>340-4095</b>	<b>330-3009</b>
	Hub within 96" limit	6	5-7/8	5/16	<b>340-4092</b>	<b>330-3025</b>
Axle ring <b>310-1009</b> includes machined shoulder bushing <b>364-6414</b> . This shoulder bushing is reusable if not removed or damaged. Service with <b>382-8053</b> or <b>308-0853</b> . Use Universal Axle Tool Head <b>555-5060</b> .	Hub or Spoke Wheel	6	5-1/8	5/16	<b>340-4066</b>	<b>330-3041</b>
	RTS (Bus)	6	5-7/8	1/2	<b>343-4099</b>	<b>330-3080</b>
	Hub within 97"	6	5-1/2	5/16	<b>340-4046</b>	<b>330-3009</b>
	Hub or Wheel within 96" limit	6	5-1/2	5/16	<b>340-4249</b>	<b>330-3122</b>
	Spoke Wheel within 97" limit	6	5-1/2	5/16	<b>340-4095</b>	<b>330-3009</b>

\*For hub cap with pipe plug use 343-prefix.

**Hub caps sold separately!**

# Standard Hub-Seal Sets

Wheel Set No.	Wheel Set Components (1 Each per Set)		Inner Bearing Cup/Cone	Outer Bearing Cup/Cone	Universal Axle Tool Head*	Fleet Hub Tool**	Bearing Guide		
	Axle Ring	Oil Seal							
<b>382-8056</b>	310-1093	320-2199	H715311/ H715345 632/641	552A/555S 28622/28682	555-5070	551-5344	570-0021		
								<b>For Guardian® Seal No. 308-0856, see page 26.</b>	
								<b>For Voyager® Seal No. 383-0156, see page 32.</b>	
<b>382-8060</b>	310-1041	320-2023	5735/5760 6420/6461	45220/45287 612/621	NONE	551-5401	570-0022		
<b>382-8062</b>	310-1051	320-2125	39520/39585	25520/25572	NONE	551-5388	570-0019		
<b>382-8063</b>	310-1036	320-2133	39520/39581	3525/3585	555-5062	551-5353	570-0017		
			45220/45284	25820/25880	555-5064	551-5353	N/A		
<b>For Guardian® Seal No. 308-0863, see page 26.</b>									
<b>382-8064</b>	310-1037	320-2137	6420/6461A	552A/555S 3979/3920	555-5007	551-5327	570-0022		
								<b>For Guardian® Seal No. 308-0864, see page 28.</b>	
								<b>For Voyager® Seal No. 383-0164, see page 32.</b>	
								<b>For Discover® Seal No. 383-0264, see page 32.</b>	

\*Use 555 series Tool Heads with Universal Axle Tool body **555-0001** (installs axle/deflector rings).

\*\* Use 551 series tools with new Universal Tool Handle **551-0001** (installs 320 series seals).

**Very Important! These seal sets must be installed with the tools listed in this catalog!**

Remarks	Hub or Wheel	Hub Cap Mounting			Hub Cap 1 Each*	
		No. Bolts	Bolt Circle	Bolt Size	Hub Cap w/ Gasket	Gasket Number
Use <b>308-0855</b> for FA109 1979 & up Spoke wheel number 454593-C2. <b>308-0855</b> must be used with hydraulic brakes after '75. FA-109 comes with hydraulic brakes.	Hub within 97"	6	5-1/2	5/16	<b>340-4046</b>	<b>330-3009</b>
	Hub or Wheel within 96" limit	6	5-1/2	5/16	<b>340-4249</b>	<b>330-3122</b>
	Spoke Wheel within 97" limit	6	5-1/2	5/16	<b>340-4095</b>	<b>330-3009</b>
Includes O-ring <b>355-5510</b>	Spoke Wheel & 13-3/16 BC Hub	6	5-7/8	5/16	<b>343-4025</b>	<b>330-3025</b>
Includes O-ring <b>355-5506</b> . Oil seal <b>320-2125</b> installs in bearing cup bore. Prior to June 1971, use <b>382-8010</b> set.	Spoke Wheel & Aluminum Hub	6	5-7/8	5/16	<b>343-4025</b>	<b>330-3025</b>
Ford 9000# 1975-1984. Ford 9000# 1984 up.	Hub or Wheel	4	5	5/16	<b>340-4186</b>	<b>330-3120</b>
Mack	Dayton F-8749, 9410, 14402 Mack, Western, R/S hub A-333-F-3204. Gunite FA-504, 534, 674, FB-400, 674 674, FC-400, 401, 674, Hub H-299	6	5-1/2	5/16	<b>340-4249</b>	<b>330-3122</b>
		6	5-1/2	5/16	<b>340-4046</b>	<b>330-3009</b>
	Brockway R/S Hub A-333 -P-2304,	3	5-9/16	5/16	<b>340-4049</b>	<b>330-3042</b>
	A-333-J-1206, A-333-W-1089 A-333-Y-1091	6	5-1/2	5/16	<b>343-4249</b>	<b>330-3122</b>
	Dayton F-8702, Gunite F-20-316	6	5-1/8	5/16	<b>340-4066</b>	<b>330-3041</b>
	Dayton FN-8702, 8749, 8863, 9432, 9837, 14002, 3, 4, Gunite FA FB FC 705	6	5-1/2	5/16	<b>340-4095</b>	<b>330-3009</b>
	R/S Hub A-333-G-2113, Peterbilt, K/W K/W K-150-D-204	6	5-9/16	5/16	<b>340-4149</b>	<b>330-3097</b>
	Mack Spoke Wheel 19QJA318	6	5-1/2	5/16	<b>340-4098</b>	<b>330-3009</b>

\*For hub cap with pipe plug use 343-prefix.

**Hub caps sold separately!**

# Standard Hub-Seal Sets

Wheel Set No.	Wheel Set Components (1 Each per Set)		Inner Bearing Cup/Cone	Outer Bearing Cup/Cone	Universal Axle Tool Head*	Fleet Hub Tool**	Bearing Guide
	Axle Ring	Oil Seal					
<b>382-8066</b>	<b>310-1008</b>	<b>320-2164</b>	JM207010/ JM207049A	25820/25877	<b>555-5088</b>	<b>551-5366</b>	<b>570-0036</b>
			JM205110/ JM205149A	25820/25877	<b>555-5089</b>		<b>570-0033</b>
<b>For Guardian® Seal No. 308-0866, see page 28.</b>							
<b>For Voyager® Seal No. 383-0166, see page 32.</b>							
<b>382-8071</b>	<b>310-1034</b>	<b>320-2216</b>	HM212011/ HM212047	45220/45282	<b>555-5066</b>	<b>551-5403</b>	<b>570-0019</b>
<b>For Voyager® Seal No. 383-0171, see page 32.</b>							

\*Use 555 series Tool Heads with Universal Axle Tool body **555-0001** (installs axle/deflector rings).

\*\* Use 551 series tools with new Universal Tool Handle **551-0001** (installs 320 series seals).

**Very Important! These seal sets must be installed with the tools listed in this catalog!**

# Front Axles

Remarks	Hub or Wheel	Hub Cap Mounting			Hub Cap 1 Each*	
		No. Bolts	Bolt Circle	Bolt Size	Hub Cap w/ Gasket	Gasket Number
	Hub or Wheel	4	3-5/8	5/16	<b>340-4065</b>	<b>330-3040</b>
GMC F-120, F-120D axles, 1985 Up with 5" seal bore.	Dayton-Walther 12-14894	6	5-1/8	5/16	<b>340-4042</b>	<b>330-3041</b>
		6	5-1/8	5/16	<b>340-4066</b>	<b>330-3041</b>

\*For hub cap with pipe plug use 343-prefix.

**Hub caps sold separately!**

# Guardian®/ Guardian® HP Hub-Seals


Guardian®/ Guardian®HP Seal No.	Inner Bearing Cup/Cone	Outer Bearing Cup/Cone	Universal Axle Tool Head*	Grit Guard® Equiv.	Voyager® Discover® Equiv.	Remarks
<b>309-0903**</b>	572/580 572/582	563/567	<b>555-5072</b>	<b>392-9094</b>	<b>393-0103</b> <b>393-0203</b>	Mack Western 11QJA-191, -192 hub and drum assembly, or Motor Wheel 87125 hub or 87119-B or 87226-F hub and drum assembly with 582 inner cone must use OEM bearing spacer 35AX-1411. Install OEM spacer before installing axle ring. Press axle on until flush with bearing side of bearing spacer.
<b>309-0904</b>	652/663 HM516410/ HM516449,-C	572/575 47620/47679	<b>555-5072</b>	<b>392-9112</b>	<b>393-0104</b> <b>393-0204</b>	Use OEM bearing spacer 35AX790 or 35AX1411. Use G/G set <b>392-9130</b> with inner bearing HM516449A. Use <b>309-0904</b> only with ABS Brakes. Tech Tip 15.
	HM516410/ HM516449A	47620/47679	<b>555-5073</b>	<b>392-9130</b>		
<b>309-0912</b>	47620/47685 47620/47686	39520/39590	<b>555-5031</b>	<b>392-9099</b>	<b>393-0112</b> <b>393-0212</b>	Do not use OEM oil seal spacer ring. Use with 5.687 bore only. Will not replace <b>320-2102</b> on GMC-Chev. For GMC/Chev. with 5.500" bore, use <b>309-0915</b> . For Navistar w/ 39585 outer cone, use <b>392-9099</b> .
	47620/47678 5735/5760	39520/39590 572/575	<b>555-5074</b>			
<b>309-0915</b>	47620/47686	39520/39590	<b>555-5031</b>	<b>392-9099</b>	<b>393-0115</b>	Do not use OEM oil seal spacer ring. "Use with 5.500" bore only. GMC.
<b>309-0935</b>	33462/33287 1962 up	3920/3982	<b>555-5011</b>	<b>392-9035</b>	<b>N/A</b>	
	33462/33281 thru 1961	3929/3982	<b>555-5002</b>			

\* Use 555 series Tool Heads with Universal Axle Tool body **555-0001**.

\*\* HPDe sign

**Very Important! These seal sets must be installed with the tools listed in this catalog!**

# Guardian®/ Guardian® HP Hub-Seals

Guardian®/ Guardian®HP Seal No.	Inner Bearing Cup/Cone	Outer Bearing Cup/Cone	Universal Axle Tool Head*	Grit Guard® Equiv.	Voyager® Discover® Equiv.	Remarks
<b>309-0948</b>	672/687	772/780 52618/52400	<b>555-5004</b>	<b>392-9089</b>	<b>393-0148</b> N/A	<b>309-0048</b> and <b>392-9089</b> will not fit S582 or S652 after June, 1998. Only  use <b>393-0148</b> on these axles after June, 1998.
	772/780	772/776  77675/77375 854/864				
<b>309-0957</b>	493/495AX	39520/39590	<b>555-5074</b>	<b>NONE</b>	<b>N/A</b>	Ford 1970 Up, thru 1969 use <b>392-9018</b> .
	33462/33287	3920/3982	<b>555-5011</b>	<b>NONE</b>	<b>N/A</b>	GMC 1982 Up, thru 1981 use <b>392-9018</b> .
<b>309-0960</b>	592A/598A	572/580 572/582	<b>555-5071</b>	<b>392-9132</b>	<b>N/A</b>	GMC - Some aluminum hubs use <b>309-0973</b> seal.
	592A/594A	572/580 572/582	<b>555-5076</b>			
	592A/598A	HM617010/ HM617049	<b>555-5071</b>	<b>392-9081</b> 	<b>N/A</b>	Mack application
<b>309-0961</b>	572/580 572/582 653/663A	47620/42687  47620/42688	<b>555-5072</b>	<b>392-9095</b>	<b>N/A</b>	
<b>309-0964</b>	592A/594 592A/594A	572/580	<b>555-5076</b>	<b>392-9088</b>	<b>N/A</b>	
<b>309-0965</b>	592A/595 592A/598	572/580 572/575	<b>555-5072</b> <b>555-5071</b>	<b>392-9096</b>	<b>N/A</b>	On Eaton 42D, replace OEM bearing spacer with <b>357-5706</b> if damaged. Dimensions: OD 4.375, ID 4.150, width .688
	592A/598	752/758 653/665 HM617010/ HM617049	<b>555-5071</b>	<b>392-9092</b>		
<b>309-0970</b>	672/681A	572/575 572/580	<b>555-5071</b>	<b>392-9087</b>	<b>N/A</b>	Some axles may require bushings. Shoulders with 4.375" diameter use <b>364-6402</b> bushing. Shoulders with 4.500" diameter use <b>364</b> <b>6435</b> bushing. If axle has factory installed shoulder bushing, leave it in place and reuse if not damaged.
	672/683 672/683XA	572/580	<b>555-5076</b>			

\*Use 555 series Tool Heads with Universal Axle Tool body **555-0001**.

 Standard Set

**Very Important! These seal sets must be installed with the tools listed in this catalog!**

# Guardian®/ Guardian® HP Hub-Seals

Guardian®/ Guardian®HP Seal No.	Inner Bearing Cup/Cone	Outer Bearing Cup/Cone	Universal Axle Tool Head*	Grit Guard® Equiv.	Voyager® Discover® Endeavor® Equiv.	Remarks
<b>309-0973**</b> □	592A/598A	572/580	<b>555-5071</b>	<b>392-9131</b>	<b>393-0173</b> <b>393-0273</b> <b>393-0373</b>	Special note for Dodge, Freightliner, Kenworth and Peterbilt using this set on Eaton axles w/ Meritor hubs or wheels: Eaton 18 series single or 38D tandem with 4.375 spindle shoulder require shoulder bushing <b>364-6402</b> to be installed before axle ring. Eaton 19 series single or 44D tandem with 4.500 spindle shoulder require shoulder bushing <b>364-6435</b> to be installed before axle ring. Shoulder bushings and axle rings must be installed flush with spindle shoulder face. Shoulder bushings are not part of set and must be ordered separately. If axle has factory installed shoulder bushing, leave it in place and reuse if not damaged. Shoulder bushings are not required on Eaton axles if shoulder is already machined to 4.767. For wheel ends using 681A to 4.767. X bearing refer to <b>392-9087</b> set. Hub cap <b>340-4119</b> and gasket <b>330-3090</b> available for tag and pusher use. <b>364-6402</b> OD 4.776, ID 4.369, Width .980 <b>364-6435</b> OD 4.767, ID 4.500, Width .950.
	592A/598	572/575	<b>555-5071</b>			
	592A/594	572/580	<b>555-5076</b>			
	592A/594A	572/580	<b>555-5076</b>			

\* Use 555 series tool heads with Universal Axle Tool body **555-0001**.

\*\*HP Design

□ Will not work on Freightliner with Wagner Anti-Skid or Motorola 22-14670-14 Electronic Speedometers. Use **320-2106** and **310-1111**.

**Very Important! These seal sets must be installed with the tools listed in this catalog!**



# SS4 Hub-Seals

Guardian®/ Guardian®HP Seal No.	Inner Bearing Cup/Cone	Outer Bearing Cup/Cone	Universal Axle Tool Head*	Grit Guard® Equiv.	Voyager® Discover® Endeavor® Equiv.	Remarks
<b>391-0138</b> □	32219	32218	<b>555-5292</b>	N/A	N/A	Isuzu FVR, Chev, GMC W7HV
<b>391-0139</b> □	32216	32215	<b>555-5296</b>	N/A	N/A	Isuzu FTR, Chev, GMC W7
<b>391-9066</b> □	594A		<b>555-5076</b>	<b>392-9066</b>	N/A	Van Hool Bus

\* Use 555 series tool heads with Universal Axle Tool body **555-0001**.  
 □ SS4 Seal

**Very Important! These seal sets must be installed with the tools listed in this catalog!**

# Voyager®/Discover®/Endeavor® Hub-Seals

Voyager®/ Discover®	Inner Bearing Cup/Cone	Outer Bearing Cup/Cone	Fleet Hub Tool	Bearing Guide	Guardian® Equiv.	Grit Guard® Equiv.	Remarks
<b>393-0103</b> <b>393-0203</b>	572/580 572/582	563/567	<b>551-5415</b>	<b>570-0023</b>	<b>309-0903</b>	<b>392-9094</b>	Mack Western 11QJA-191, -192 hub and drum assembly or motor wheel 87125 hub or 87119-B or 87226-F hub and drum assembly with 582 inner cone must use OEM bearing spacer 35AX-1411.
<b>393-0104</b> <b>393-0204</b>	652/663 HM516410/ HM516449, -C	572/575 47620/47679	<b>551-5414</b>	<b>570-0023</b>	<b>309-0904</b>	<b>392-9112</b>	Mack application, use OEM bearing spacer, #35AX790 or 35AX1411. Note: For cast axle housing only. With HM516449A see <b>392-9130</b> set.
<b>393-0112</b> <b>393-0212</b>	47620/47685 47620/47686 47620/47678 5735/5760	39520/39590 39520/39585 572/575	<b>551-5416</b>	<b>570-0023</b> <b>570-0022</b>	<b>309-0912</b>	<b>392-9099</b>	Note: Not for use with 5.5" bores. See <b>309-0915</b> .
<b>393-0115</b>	47620/47686	39520/39590	<b>551-5424</b>	<b>570-0023</b>	<b>309-0915</b>	<b>392-9099</b>	Do not use OEM oil seal spacer ring. Use with 5.5" bore only. GMC. Use Hub tool <b>557-5518</b> with <b>392-9099</b>
<b>393-0134</b>	6535/6580 6535/6559	653/663 653/663	<b>551-5421</b> <b>551-5421</b>	<b>570-0025</b> <b>570-0023</b>	<b>N/A</b>	<b>392-9034</b>	
<b>393-0148</b>	672/687 772/780	772/780 52618/52400 772/776 776575/77375 854/864	<b>551-5400</b>	<b>570-0032</b>	<b>309-0948</b>	<b>392-9089</b>	

\*Use 551 series Tool Heads with Universal Tool Handle **551-0001**.

**Very Important! These seal sets must be installed with the tools listed in this catalog!**

# Voyager®/Discover®/Endeavor® Hub-Seals

Voyager®/ Discover®/ Endeavor®	Inner Bearing Cup/Cone	Outer Bearing Cup/Cone	Fleet Hub Tool	Bearing Guide	Guardian® Equiv.	Grit Guard® Equiv.	Remarks
<b>393-0173</b> <b>393-0273</b> <b>393-0373</b>	592A/598A	572/580	<b>551-5320</b>	<b>570-0027</b>	<b>309-0973</b>	<b>392-9131</b>	<p><b>Special note for Dodge, Freightliner, Kenworth and Peterbilt using this set on Eaton axles with Meritor hubs or wheels:</b></p> <p>Eaton 18 series single or 38D tandem with 4.375 spindle shoulder require shoulder bushing <b>364-6402</b> to be installed before axle ring.</p> <p>Eaton 19 series single or 44D tandem with 4.500 spindle shoulder require shoulder bushing <b>364-6435</b> to be installed before axle ring.</p> <p>Shoulder bushings and axle rings must be installed flush with spindle shoulder face.</p> <p>Shoulder bushings are not part of set and must be ordered separately.</p> <p>If axle has factory installed shoulder bushing, leave it in place and reuse if not damaged.</p> <p>Shoulder bushings are not required on Eaton axles if shoulder is already machined to 4.767.</p> <p>For wheel ends using 681A inner bearing refer, to <b>392-9087</b> set.</p> <p>Hub cap <b>340-4119</b> and gasket <b>330-3090</b> available for tag and pusher use.*</p> <p><b>364-6402</b> – OD 4.776, ID 4.369, Width .980</p> <p><b>364-6435</b> – OD 4.767, ID 4.500, Width .950.</p>
	592A/598	572/575					
	592A/594	572/580	<b>551-5320</b>	<b>570-0028</b>			
	592A/594A	572/580					

\*Use 551 series tool heads with Universal Axle Tool body **551-0001**.

**Very Important! These seal sets must be installed with the tools listed in this catalog!**

# Standard Hub-Seal Sets

Wheel Set No.	Wheel Set Components (1 Each per Set)		Inner Bearing Cup/Cone	Outer Bearing Cup/Cone	Universal Axle Tool Head*	Fleet Hub Tool**	Bearing Guide	Remarks
	Axle Ring	Oil Seal						
<b>392-9001</b>	<b>310-1095</b>	<b>320-2001</b>	752/758	663/665	<b>555-5069</b>	<b>551-5398</b>	<b>570-0024</b>	
			752/760	742/749	<b>555-5079</b>	<b>551-5398</b>	<b>570-0026</b>	
<b>392-9007</b>	<b>310-1007</b>	<b>320-2096</b>	652/663 HM516410/ HM516449	572/575 47620/47679	<b>555-5072</b>	<b>551-5390</b>	<b>570-0023</b>	For steel axle housing only. Cast housings use <b>310-1088</b> and <b>320-2213</b> .
<b>392-9012</b>	<b>310-1012</b>	<b>320-2012</b>	47620/47686	39520/39590	<b>555-5031</b>	<b>551-5405</b>	<b>570-0023</b>	Do not use Ford seal spacer -7EQH-1180, nor IHC seal spacer no. 24868-H, nor White seal spacer no. 303786 with STEMCO seal no. <b>320-2012</b> .
			47620/47678	39520/39585	<b>555-5074</b>	<b>551-5405</b>	<b>570-0022</b>	
<b>For Guardian® Seal No. 309-0912, see page 44.</b>								
<b>For Voyager® Seal No. 393-0112, see page 48.</b>								
<b>392-9018</b>	<b>310-1018</b>	<b>320-2029</b>	493/495AX	3920/3984	<b>555-5074</b>	<b>551-5386</b>	<b>570-0022</b>	This seal set used on Ford applications thru 1969 and GMC/Chev thru 1981. Ford 1970 & up and GMC 1982 & up use <b>392-9057</b> .
<b>392-9032</b>	<b>310-1053</b>	<b>320-2109</b>	572/580	563/567	<b>555-5072</b>	<b>551-5313</b>	<b>570-0023</b>	
			572/575	572/575	<b>555-5074</b>	<b>551-5313</b>	<b>570-0022</b>	
<b>392-9033</b>	<b>310-1093</b>	<b>320-2058</b>	742/749A	653/663	<b>555-5072</b>	<b>551-5303</b>	<b>570-0023</b>	Gaskets <b>330-3064</b> , <b>330-3065</b> , <b>330-3071</b> , order retainer separately. Match correct gasket to retainer. Axle ring <b>310-1093</b> installs over OEM bearing spacer flush with the bearing side. Do not use OEM seal spacer with STEMCO oil seal.
			6535/6559					

\*Use 555 series Tool Heads with Universal Axle Tool body **555-0001** (installs axle/deflector rings).

\*\* Use 551 series tools with new Universal Tool Handle **551-0001** (installs 320 series seals).

Use Universal Tool Body 555-0001 with 551 Series Tool Heads.

# Standard Hub-Seal Sets

Wheel Set No.	Wheel Set Components (1 Each per Set)		Inner Bearing Cup/Cone	Outer Bearing Cup/Cone	Universal Axle Tool Head*	Fleet Hub Tool**	Bearing Guide	Remarks
	Axle Ring	Oil Seal						
<b>392-9034</b>	<b>310-1066</b>	<b>320-2061</b>	6535/6580	653/663	<b>555-5023</b>	<b>551-5356</b>	<b>570-0025</b>	Retainer gasket <b>330-3064</b> sold separately. Axle ring <b>310-1066</b> installs over OEM bearing spacer flush with bearing side. STEMCO bearing spacer <b>310-1123</b> replaces GMC spacer 2302130 but must be ordered separately.
			6535/6559	653/663	<b>555-5072</b>			
<b>For Voyager® Seal No. 393-0134, see page 48.</b>								
<b>392-9035</b>	<b>310-1062</b>	<b>320-2057</b>	33462/33281 thru 1961	3920/3982	<b>555-5002</b>	<b>551-5353</b>	<b>N/A</b>	Oil seal <b>320-2057</b> installs in bearing cup bore.
			33462/33287 1962 Up	3920/3982	<b>555-5011</b>			
<b>For Guardian® Seal No. 309-0935, see page 44.</b>								
<b>392-9036</b>	<b>310-1063</b>	<b>320-2057</b>	33462/33281	39520/39585	<b>555-5002</b>	<b>551-5353</b>	<b>570-0021</b>	Oil seal <b>320-2057</b> installs in bearing cup bore.
			33462/33287		<b>555-5011</b>			
<b>392-9038</b>	<b>310-1064</b>	<b>320-2072</b>	3920/3984	453X/462	<b>555-5097</b>	<b>551-5308</b>	<b>570-0020</b>	Oil seal <b>320-2072</b> installs in bearing cup bore.
<b>392-9045</b>	<b>SEE FOOTNOTE 1</b>	<b>320-2091</b>	33472/33287	3925/3982	<b>555-5011</b>	<b>551-5312</b>	<b>N/A</b>	Oil seal <b>320-2091</b> seals on OEM spacer sleeve, GMC or Chev. No. 3880944 or 3874372. Replace, if worn. Obtain from GMC-Chev. dealer. 1966 15000# uses 33287 & 3982 cones. 1967 up 15000# uses 33281 & 3984 cones.
			33472/33281	3925/3984	<b>555-5002</b>		<b>N/A</b>	
			493/495AX	39520/39590	<b>555-5074</b>		<b>570-0022</b>	
			47620/47686	39520/39590	<b>555-5031</b>		<b>570-0023</b>	
<b>392-9053</b>	<b>310-1089</b>	<b>320-2099</b>	772/782	742/749	<b>555-5016</b>	<b>551-5317</b>	<b>N/A</b>	Replace worn seal with <b>320-2059</b> (component of <b>320-2099</b> ). Press oil seal into retainer so leather lip points toward oil side. Do not hammer on seal. National AR-23 ring must be removed.

1 Check type of OEM axle ring used. Stepped type OEM ring No. 3874372 must be replaced with same OEM number. Flat type axle ring No. 3880944 can be replaced with either the OEM ring or STEMCO part No. **310-1117**.  
**NOTE:** Axle ring must be ordered separately. It is not part of set No. **392-9045**.

\*Use 555 series Tool Heads with Universal Axle Tool body **555-0001** (installs axle/deflector rings).

\*\* Use 551 series tools with new Universal Tool Handle **551-0001** (installs 320 series seals).

Use Universal Tool Body 555-0001 with 555 Series Tool Heads.

# Standard Hub-Seal Sets

Wheel Set No.	Wheel Set Components (1 Each per Set)		Inner Bearing Cup/Cone	Outer Bearing Cup/Cone	Universal Axle Tool Head*	Fleet Hub Tool**	Bearing Guide	Remarks	
	Axle Ring	Oil Seal							
<b>392-9057</b>	<b>310-1018</b>	<b>320-2104</b>	33462/33287	3920/3982	<b>555-5011</b>	<b>551-5383</b>	<b>N/A</b>	This seal set used on Ford 1970 & up and GMC 1982 & up. Ford prior to 1970 & GMC prior to 1982 use <b>392-9018</b> .	
			493/495AX	39520/39590	<b>555-5074</b>	<b>551-5383</b>	<b>N/A</b>		
<b>For Guardian® Seal No. 309-0957, see page 45.</b>									
<b>392-9062</b>	<b>310-1103</b>	<b>320-2001</b>	752/760	742/749	<b>555-5079</b>	<b>551-5398</b>	<b>570-0026</b>		
<b>392-9063</b>	<b>310-1104</b>	<b>320-2077</b>	127627/ 188931	149521/ 188933	<b>555-5054</b>	<b>551-5362</b>	<b>570-0017</b>		
			382A/387AS	LM104911/ LM104949	<b>555-5062</b>				
			7451691/ 7451929	7451813/ 7451814					
<b>392-9066</b>	<b>310-1107</b>	<b>320-2115</b>	592A/594A		<b>555-5076</b>	<b>551-5356</b>	<b>570-0028</b>	Van Hool Bus application.	
<b>392-9081</b>	<b>310-1079</b>	<b>320-2009</b>	592A/598A	HM617010/ HM617049	<b>555-5071</b>	<b>551-5356</b>	<b>570-0027</b>	Mack only.	
<b>For Guardian® Seal No. 309-0960, see page 45.</b>									
<b>392-9111</b>	<b>310-1233</b>	<b>320-2233</b>	593X/594	593X/594	<b>555-5076</b>	<b>551-5404</b>	<b>570-0028</b>	Mack Midliner. Mack slinger ring models 1987 & earlier.	

\*Use 555 series Tool Heads with Universal Axle Tool body **555-0001** (installs axle/deflector rings).

\*\* Use 551 series tools with new Universal Tool Handle **551-0001** (installs 320 series seals).

Use Universal Tool Handle 551-0001 with 551 Series Tool Heads.

# Grit Guard® Hub-Seal Sets

Wheel Set No.	Wheel Set Components (1 Each per Set)		Inner Bearing Cup/Cone	Outer Bearing Cup/Cone	Universal Axle Tool Head*	Fleet Hub Tool**	Bearing Guide	Remarks
	Deflector Ring	Oil Seal						
<b>392-9087</b>	<b>315-1502</b>	<b>320-2162</b>	672/681A	572/575 572/580	<b>555-5071</b>	<b>551-5333</b>	<b>570-0027</b>	Special note for all Meritor R-143 & White Western Star 44D prior to Sept. 1973. These axles have 4.500 spindle shoulder diameter and require shoulder bushings <b>364-6435</b> to be installed before axle ring. Shoulder bushing and axle rings must be installed flush with spindle shoulder face. Shoulder bushings are not part of set and must be ordered separately. If axle has factory installed shoulder bushing, leave it in place & reuse if not damaged.
			672/683 672/683XA	572/580	<b>555-5076</b>	<b>551-5333</b>	<b>570-0028</b>	
<b>For Guardian® Seal No. 309-0970, see page 45.</b>								
<b>392-9088</b>	<b>315-1517</b>	<b>320-2113</b>	592A/594 592A/594A	572/580	<b>555-5076</b>	<b>551-5412</b>	<b>570-0028</b>	Oil seal <b>320-2113</b> installs in bearing cup bore.
<b>For Guardian® Seal No. 309-0964, see page 45.</b>								
<b>392-9089</b>	<b>315-1516</b>	<b>320-2097</b>	672/687 772/780	772/780 52618/52400 772/776 77675/77375 854/864	<b>555-5004</b>	<b>551-5400</b>	<b>570-0032</b>	Use OEM bearing spacer #37AX335. <b>320-2059</b> is a component of <b>320-2097</b> . Must replace with the <b>320-2097</b> seal. <b>392-9089</b> and <b>309-0948</b> will not fit S582 or S652 after June 1998. Only use <b>393-0148</b> on these axles after June 1998. Won't fit 58,000 Mack 2000/2001.
<b>For Guardian® Seal No. 309-0948, see page 45.</b>								
<b>For Voyager® Seal No. 393-0148, see page 48.</b>								
<b>392-9092</b>	<b>315-1508</b>	<b>320-2131</b>	592A/598	752/758 653/665 HM617010/ HM617049	<b>555-5071</b>	<b>551-5363</b>	<b>570-0027</b>	Mack.
<b>For Guardian® Seal No. 309-0965, see page 45.</b>								

\* Use 555 series Tool Heads with Universal Axle Tool body **555-0001** (installs axle/deflector rings).

\*\* Use 551 series tools with new Universal Tool Handle **551-0001** (installs 320 series seals).

Use Universal Tool Body 555-0001 with 555 Series Tool Heads.

# Grit Guard® Hub-Seal Sets

Wheel Set No.	Wheel Set Components (1 Each per Set)		Inner Bearing Cup/Cone	Outer Bearing Cup/Cone	Universal Axle Tool Head*	Fleet Hub Tool**	Bearing Guide	Remarks								
	Deflector Ring	Oil Seal														
<b>392-9094</b>	315-1511	320-2129	572/580 572/582	563/567	555-5072	551-5393	570-0023	Mack Western 11QJA-191, -192 hub and drum assembly or motor wheel 87125 hub or 87119-B or 87226-F hub and drum assembly with 582 inner cone must use OEM bearing spacer 35AX-1411. Install OEM bearing spacer before installing axle ring. Press axle ring on until flush with bearing side of bearing spacer.								
									<b>For Guardian® Seal No. 309-0903, see page 44.</b>							
									<b>For Voyager® Seal No. 393-0103, see page 48.</b>							
									<b>For Discover® Seal No. 393-0203, see page 48.</b>							
<b>392-9095</b>	315-1509	320-2117	572/580 572/582 653/663A	42620/42687	555-5072	551-5325	N/A									
									<b>For Guardian® Seal No. 309-0961, see page 45.</b>							
<b>392-9096</b>	315-1508	320-2114	592A/595	572/580	555-5072	551-5412	570-0023	Oil seal <b>320-2114</b> installs in bearing cup bore. For use with Eaton 42D replace OEM bearing spacer with <b>357-5706</b> if damaged. Dimensions: OD 4.375, ID 4.150, width .688.								
			592A/598	572/575	555-5071	551-5412	570-0027									
<b>For Guardian® Seal No. 309-0965, see page 45.</b>																
<b>392-9099</b>	315-1501	320-2102	47620/47685	39520/39590	555-5031	551-5318	570-0023	Oil seal <b>320-2102</b> installs in bearing cup bore. Do not use OEM oil seal spacer ring. This set will not fit early axles with 5760 inner bearing cone.								
			47620/47686	39520/39585	555-5074	551-5318	570-0022									
<b>For Guardian® Seal No. 309-0915, see page 44.</b>																
<b>For Voyager® Seal No. 393-0115, see page 48.</b>																
<b>For Guardian® Seal No. 309-0912, see page 44.</b>																
<b>For Voyager® Seal No. 393-0112, see page 48.</b>																
<b>For Discover® Seal No. 393-0212, see page 48.</b>																
<b>392-9112</b>	315-1515	320-2213	652/663	572/575	555-5072	551-5364	570-0023	Mack application, use OEM bearing spacer #35AX790 or 35AX1411. Note: For cast axle housing only. With HM516449A see <b>392-9130</b> . Only <b>309-0904</b> can be used with ABS Brakes.								
			HM516410/	47620/47679												
			HM516449,-C													
			<b>For Guardian® Seal No. 309-0904, see page 44.</b>													
<b>For Voyager® Seal No. 393-0104, see page 48.</b>																
<b>For Discover® Seal No. 393-0204, see page 48.</b>																

\*Use 555 series Tool Heads with Universal Axle Tool body **555-0001** (installs axle/deflector rings).

\*\* Use 551 series tools with new Universal Tool Handle **551-0001** (installs 320 series seals).

Use Universal Tool Handle 551-0001 with 551 Series Tool Heads.



# Grit Guard® Hub-Seal Sets

Wheel Set No.	Wheel Set Components (1 Each per Set)		Inner Bearing Cup/Cone	Outer Bearing Cup/Cone	Universal Axle Tool Head*	Fleet Hub Tool**	Bearing Guide	Remarks
	Deflector Ring	Oil Seal						
<b>392-9130</b>	<b>315-1519</b>	<b>320-2213</b>	HM516410/ HM516449A	572/575 47620/47679	<b>555-5073</b>	<b>551-5364</b>	<b>570-0023</b>	Mack application, seal set for use with HM516449A only. Do not use bearing spacer. <b>309-0904</b> , <b>393-01 04</b> and <b>393-0204</b> can be used with ABS Brakes. Ref Tech Tip #015.
<b>For Guardian® Seal No. 309-0904, see page 44.</b>								
<b>For Voyager® Seal No. 393-0104, see page 48.</b>								
<b>For Discover® Seal No. 393-0204, see page 48.</b>								
<b>392-9131</b>	□ <b>315-1525</b>	<b>320-2106</b>	592A/598A	572/580	<b>555-5071</b>	<b>551-5320</b>	<b>570-0027</b>	Special note for Dodge, Freightliner, Kenworth & Peterbilt using this set on Eaton axles with Meritor hubs or wheels: Eaton 18 series single or 38D tandem with 4.375 spindle shoulder require shoulder bushing <b>364-6402</b> to be installed before axle ring. Eaton 19 series single or 44D tandem with 4.500 spindle shoulder require shoulder bushing <b>364-6435</b> to be installed before axle ring. Shoulder bushings & axle rings must be installed flush with spindle shoulder face. Shoulder bushings are not part of set & must be ordered separately. If axle has factory installed shoulder bushing, leave it in place & reuse if not damaged. Shoulder bushings are not required on Eaton axles if shoulder is already machined to the diameter for the <b>315-1525</b> axle ring. For wheel ends using 681A inner bearing refer to <b>392-9087</b> set. Hub cap <b>340-4119</b> & gasket <b>330-3090</b> available for tag and pusher use. This set fits ABS Systems (Anti-lock Brake System)
			592A/598	572/575	<b>555-5071</b>	<b>551-5320</b>	<b>570-0027</b>	
			592A/594	572/580	<b>555-5076</b>	<b>551-5320</b>	<b>570-0028</b>	
			592A/594A	572/580	<b>555-5076</b>	<b>551-5320</b>	<b>570-0028</b>	
<b>For Guardian® Seal No. 309-0973, see page 46.</b>								
<b>For Voyager® Seal No. 393-0173, see page 49.</b>								
<b>For Discover® Seal No. 393-0273, see page 49.</b>								
<b>For Endeavor® Seal No. 393-0373, see page 49.</b>								

□ Will not fit on Freightliner with Wagner Anti-Skid or Motorola 22-14670-14 Electronic Speedometers. Use **310-1111** standard axle ring with **320-2106** oil seal.

\* Use 555 series Tool Heads with Universal Axle Tool body **555-0001** (installs axle/deflector rings).

\*\* Use 551 series tools with new Universal Tool Handle **551-0001** (installs 320 series seals).

Use Universal Tool Body 555-0001 with 555 Series Tool Heads.

# Grit Guard® Hub-Seal Sets

Wheel Set No.	Wheel Set Components (1 Each per Set)		Inner Bearing Cup/Cone	Outer Bearing Cup/Cone	Universal Axle Tool Head*	Fleet Hub Tool**	Bearing Guide	Remarks
	Deflector Ring	Oil Seal						
<b>392-9132</b>	<b>315-1530</b>	<b>320-2115</b>	592A/598A 592A/594A	572/582 or 580	<b>555-5071</b> <b>555-5076</b>	<b>551-5356</b> <b>551-5356</b>	<b>570-0027</b> <b>570-0028</b>	Oil seal <b>320-2115</b> installs in bearing cup bore. Aluminum hubs use <b>392-9131</b> set.
<b>For Guardian® Seal No. 309-0960, see page 45.</b>								REF: <b>392-9081</b>

\*Use 555 series Tool Heads with Universal Axle Tool body **555-0001** (installs axle/deflector rings).

\*\* Use 551 series tools with new Universal Tool Handle **551-0001** (installs 320 series seals).

Use Universal Tool Handle 551-0001 with 551 Series Tool Heads.

# TECHNOLOGICALLY ADVANCED SEALING SOLUTIONS



### Easy Installation

The single piece, unitized design is installed in one step using the yoke bolt to install the press-fit OD.

### Repair Sleeves Not Required

The unitized design incorporates a wear ring to provide an ideal running surface for the sealing lip, thus eliminating the need for repair sleeves that often change the seal lip angle during operation, resulting in reduced life.

### Eliminate Yoke Wear

Sealing lips are contained in a manner that prevents yoke surface contact from the lip. New yokes will remain new at the sealing point.

### Repair 'Grooved' Yokes

The patented SMART features of STEMCO's Unitized Pinion Seal make most yokes reusable due to the wide contact area of the ID.

### Eliminate Leak Paths

Bore sealant on the OD and the wide contact area on the ID eliminate leak paths to avoid premature failures.

### Reduce Contamination Failures

To promote long life, a labyrinth path with multiple dust lips prevents contamination ingress into the sealing lip and oil.

### Long-Life Performance

Fluoroelastomer rubber on the main sealing lip withstands the high heat consistent with pinion seal applications.



*A Higher Standard of Performance.™*  
an EnPro Industries company

# UNITIZED PINION SEAL

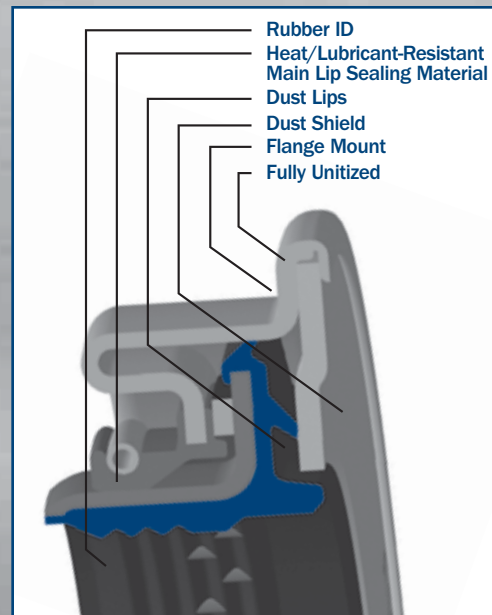
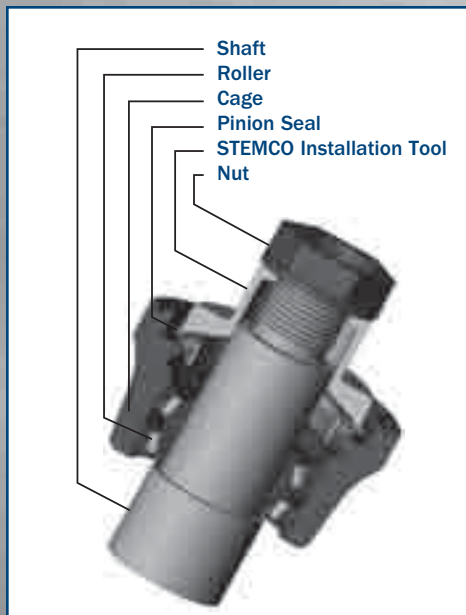
## SPECIFICATIONS & INTERCHANGE



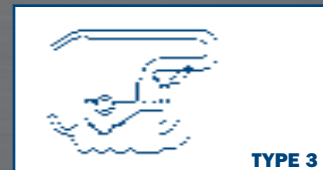
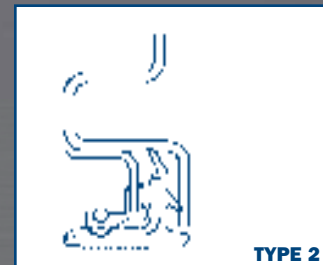
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an EnPro Industries company

PART NUMBER/ APPLICATION	BORE ID/ YOKE SHAFT OD	TOOL NUMBER	OE NUMBER	SKF NUMBER	NATIONAL NUMBER	DESIGN TYPE
<b>STEMCO No. 429-0002</b> Mack Front Input	4.500/ 3.500	551-5360	88AX458	34882 34891	415991N	1
<b>STEMCO No. 429-0003</b> Eaton 400 Rear Input	4.564/ 2.625	551-5001	127721 79470	26373 26378	9773	2
<b>STEMCO No. 429-0004</b> Eaton 400 Front Output,  Eaton 344, 404, 405, 454 Front Output	3.625/ 2.625	551-5003	127720 63910  127592	26200 26209 26239 26762	475003N	3  3
<b>STEMCO No. 429-0005</b> Meritor SQ100 Front Input	3.751/ 3.003	551-5004	A11205Y2729 A1205P2590	29865 29867 30007	4810V 100495 415281N	1
<b>STEMCO No. 429-0006</b> Eaton 402 Front Input  Eaton 40, 461-653 series Front Output	4.003/ 2.937	551-5002	127719 A1205U1737  210737	29292 29322 29316 29380	416654 475012N	3
<b>STEMCO No. 429-0007</b> Meritor R145/160 Front Input	4.249/ 3.253	551-5006	A11205X2728 A1205R2592 A1205P1368	32385 32397 32410	4543V 100494 416470N	1
<b>STEMCO No. 429-0008</b> Mack Front Output	3.537/ 2.751	551-5007	88AX456 A1205A1925	27295 27558	4874N 475322N	1
<b>STEMCO No. 429-0009</b> Mack Rear Input	3.996/ 2.751	551-5008	88AX457	27542 27565	415272N	1
<b>STEMCO No. 429-0010</b> Meritor SQ100 Rear Input	4.935/ 3.003	551-5009	A11250Z2730 A1205N2588 A1205H2426	30145 30153	3905 4562V 100263	2
<b>STEMCO No. 429-0011</b> Meritor RT 46-160, 180, 380 Series	5.501/ 3.253	551-5011	A1205Q2591	32870	4544V 100557	2
<b>STEMCO No. 429-0012</b> Eaton 344, 404, 405 & 454 Front and Rear Input	4.564/ 3.000	551-5012	127591	29528		2
<b>STEMCO No.*429-0013</b> Eaton 40, 461-653 series Rear Input	5.042/ 2.938	551-5013	210724	29381		3
<b>STEMCO No.*429-0014</b> Eaton 40, 461-653 series Front Input	4.376/ 3.375	551-5014	210736	33751		3

\* Check for availability



### DESIGN TYPES



STEMCO LP - USA  
P.O. Box 1989 · Longview, TX 75606-1989  
(903) 758-9981 · 1-800-527-8492 · FAX:  
1-800-874-4297  
www.stemco.com

STEMCO - Canada  
5900 Ambler Drive, Units 4 & 5  
Mississauga, ON L4W 2N3  
(905) 206-9922 · 877-232-9111  
FAX: 877-244-4555

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# Pinion Seal Specifications

## Pinion Seal Specifications by Set Number

Set No.	Bore ID	Yoke Shaft OD	Wear Sleeve	Dust Seal	Oil Seal	Spline OD	Tool No.
460-6001	3.625	2.625	419-1946	429-2945	429-2944	1-3/4 1 31/32	589-8999 589-8994
460-6002	4.562	2.625	419-1946	☐	429-2983	1-3/4 1 31/32	589-8998 589-8987
460-6003	3.937	2.937	419-1981	429-2978	429-2977	2	589-8997
460-6004	3.542	2.750	419-1982	429-2980	429-2979	1-3/4 1 7/8	589-8996 589-8993
460-6005	3.875	2.750	419-1982	☐	429-2982	1-3/4 1 7/8 1.96	589-8995 589-8992 589-8991
460-6006	4.000	2.937	419-1940	429-2937	429-2938	2 2 5/32	589-8990 589-8989
460-6007	4.000	3.000	419-1939	429-2937	429-2938	1-31/32	589-8988
460-6011	4.250	3.250	419-1941	☐	429-2941	2-1/4	☐
460-6012	4.250	3.000	419-1901	☐	429-2901	Any	☐
460-6083	4.250	3.250	419-1983	☐	429-2941	2-1/4	☐
460-6084	4.000	2.937	419-1984	429-2937	429-2938	2 2 5/32	589-8990 589-8989

☐ Oil Seal & Dust Seal are an integral unit

☐ Use Tool 589-8984, 589-8985 or 589-8986

For additional pinion seal information, refer to Pinion Seal catalog 572-0004.

Component part numbers obsolete, sold as sets only.

# Universal Axle Tools

## Depend on Our Universal Axle Tool for Quick, Accurate Installation



**R**ecognizing that most seal failures can be traced to improper installation, Stemco has designed its Universal Axle Tool to make the procedure simpler, quicker and more consistent.

Proper installation also reduces the possibility of more costly spindle damage.

### Features and Benefits

▶ A single body with multiple interchangeable heads, the STEMCO Universal Tool saves space and is easy to use.

▶ Heavy duty steel body and induction-hardened heads provide years of useful service.

▶ Each Universal Tool has a sturdy handle for easier handling of the tool body.

▶ Simplifies installation of Standard and Grit Guard® rings, as well as Guardian®.

▶ A tool box is available to store and organize tool body and heads.

## Universal Axle Tools By Guardian® Seal Number

Guardian® Seal	Inner Bearing Cone Number	Inner Bearing Cone ID or Spindle OD	Universal Axle Tool Head
307-0713*	663	3.250	555-5100
307-0723*	HM518445	3.500	555-5023
307-0743*	HM218248	3.542	555-5039
307-0744	665A	3.375	555-5069
308-0836*	39581	2.250	555-5062
	HM212044,557A	2.375	555-5061
	HM212049,-X	2.625	555-5098
	HM212047	2.500	555-5066
308-0853	641/HM212049	2.625	555-5060
	H715345	2.812	555-5070
308-0855	641	2.625	555-5060
308-0856	H715345	2.812	555-5070
308-0863	39581	2.250	555-5062
	45284	2.000	555-5064
308-0864*	6461A	3.000	555-5007
308-0866	JM207049	2.165	555-5088
	JM205149	1.968	555-5089
308-0870	JF7049A	2.756	555-5297
309-0903*	580/582	3.250	555-5072
309-0904*	663/HM516449,-C	3.250	555-5072
	HM516449A	3.250	555-5073
309-0912	47685/47686	3.250	555-5031
	47678/5760	3.000	555-5074

Guardian® Seal	Inner Bearing Cone Number	Inner Bearing Cone ID or Spindle OD	Universal Axle Tool Head
309-0915	47685/47686	3.250	555-5031
	47678	3.000	555-5074
309-0935	33287	2.875	555-5011
	33281	2.812	555-5002
309-0948	687/780	4.000	555-5004
309-0957	495AX	3.000	555-5074
	33287	2.875	555-5011
309-0960	594A	3.750	555-5076
	598A	3.625	555-5071
309-0961	580/582/663A	3.250	555-5072
309-0964	594/594A	3.750	555-5076
309-0965	595	3.250	555-5072
	598	3.625	555-5071
309-0970	683XA/683	3.750	555-5076
	681A	3.625	555-5071
309-0973*	594/594A	3.750	555-5076
	598/598A	3.625	555-5071
381-0148**	H414245A	2.688	555-5291
381-0150**	HM212047	2.500	555-5295
391-0138**	32219	3.740	555-5292
391-0139**	32216	3.150	555-5296
391-9066**	594A	3.750	555-5076

\* HP Design  
\*\* SS4 Seal

Use Universal Tool Body 555-0001 with 555 Series Tool Heads.

## Universal Axle Tools By Axle/Deflector Ring Number

Axle Ring	Seal Set	Inner Bearing Cone Number	Inner Bearing Cone ID or Spindle OD	Universal Axle Tool Head
310-1007	392-9007	663, HM516449	3.250	555-5072
310-1008	372-7046	28995	2.469	555-5052
	382-8018	45284	2.000	555-5064
	382-8044	45284	2.000	555-5064
	382-8066	JM207049	2.165	555-5088
	382-8066	JM205149	1.968	555-5089
310-1009	382-8052	6386A	2.625	555-5060
310-1012	392-9012	47686	3.250	555-5031
	392-9012	5760,47678	3.000	555-5074
310-1013	382-8001	6379	2.562	555-5014
	382-8001	6386, 6389	2.625	555-5060
	None	663	3.250	555-5100
310-1017	382-8017	39581	2.250	555-5062
310-1018	392-9018	495AX	3.000	555-5074
	392-9057	495AX	3.000	555-5074
	392-9057	33287	2.875	555-5011
310-1022	372-7022	593	3.500	N/A

Axle Ring	Seal Set	Inner Bearing Cone Number	Inner Bearing Cone ID or Spindle OD	Universal Axle Tool Head
310-1023	372-7024	749, 749S	3.347	555-5024
	None	HM518445	3.500	555-5023
310-1026	None	595	3.250	555-5072
	None	598	3.625	555-5071
310-1027	None	663	3.250	555-5031
310-1028	382-8028	756A	3.125	555-5067
	382-8045	756A	3.125	555-5067
310-1032	382-8032	HM212049	2.625	N/A
310-1034	382-8071	HM212047	3.625	555-5066
310-1036	372-7006	567	2.875	555-5011
	382-8027	39581	2.250	555-5062
	382-8036	557A, HM212044	2.375	555-5061
		HM212047	2.500	555-5066
		HM212049,-X	2.625	555-5098
	382-8063	39581	2.250	555-5062
45284	2.000	555-5064		
310-1037	382-8064	6461A	3.000	555-5007
	None	665A	3.375	555-5069
310-1038	382-8039	HM212049, 641	2.625	N/A

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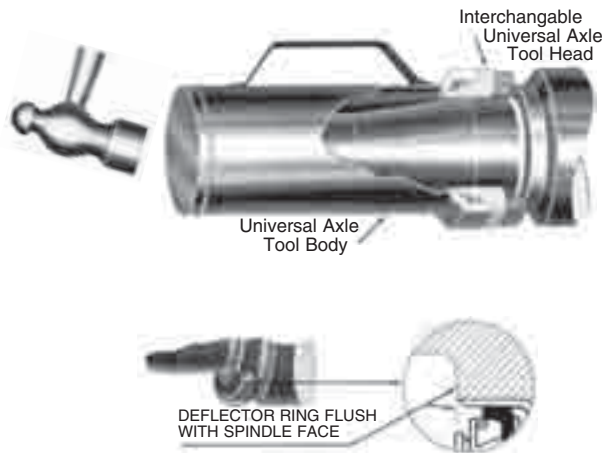
Use Universal Tool Body 555-0001 with 555 Series Tool Heads.

# Universal Axle Tools

## Universal Axle Tools By Axle/Deflector Ring Number

Axle Ring	Seal Set	Inner Bearing Cone Number	Inner Bearing Cone ID or Spindle OD	Universal Axle Tool Head
310-1041	382-8060	5760, 6461	3.000	N/A
310-1043	372-7015	759	3.500	555-5023
310-1045	None	760	3.562	555-5079
310-1048	None	HM218248	3.542	555-5039
310-1050	382-8010	39578, 4595	2.125	N/A
310-1051	382-8011	559, 3982	2.500	N/A
	382-8062	39585	2.500	N/A
310-1052	382-8009	45284, 45285	2.000	555-5036
310-1053	392-9032	580	3.250	555-5072
	392-9032	575	3.000	555-5074
310-1057	372-7003	663	3.250	555-5031
310-1061	382-8005	3778	1.875	555-5001
310-1062	392-9035	33281	2.812	555-5002
	392-9035	33287	2.875	555-5011
310-1063	392-9036	33281	2.812	555-5002
310-1064	372-7049	JM511946	2.557	555-5055
	392-9038	3984	2.625	555-5097
310-1066	392-9034	6580	3.500	555-5023
	392-9034	6559	3.250	555-5072
310-1079	392-9081	598A	3.625	555-5071
310-1088	None	663, HM516449	3.250	555-5072
310-1089	392-9053	782	4.125	555-5016
310-1093	382-8053	641, HM212049	2.625	555-5060
	382-8053	H715345	2.812	555-5070
	382-8056	H715345	2.812	555-5070
	382-8056	641	2.625	555-5060
	None	580, 582	3.250	555-5072
	None	594, 594A	3.750	555-5076
310-1095	392-9001	758	3.375	555-5069
	392-9001	760	3.562	555-5079
310-1103	392-9062	760	3.562	555-5079
310-1104	392-9063	387AS, 7451929	2.250	555-5062
	392-9063	188931	2.265	555-5054
310-1107	392-9066	594A	3.750	555-5076

Axle Ring	Seal Set	Inner Bearing Cone Number	Inner Bearing Cone ID or Spindle OD	Universal Axle Tool Head
310-1111	None	598A, 598	3.625	555-5071
	None	594, 594A	3.750	555-5076
	None	683	3.750	555-5076
	None	681A	3.625	555-5071
310-1117	None	495AX	3.000	555-5074
	None	47686	3.250	555-5031
310-1130	372-7062	592A, 593	3.500	555-5023
310-1132	383-8139	663/641	2.625	N/A
	383-8239	HM212011/ HM212049		
310-1233	392-9111	594/593X	3.750	555-5076
315-1501	392-9099	47685, 47686	3.250	555-5031
	392-9099	47678	3.000	555-5074
315-1502	392-9087	681A	3.625	555-5071
	392-9087	683	3.750	555-5076
	392-9097	594A, 598A	3.625	555-5071
315-1503	372-7091	749, 749S	3.347	555-5024
	372-7099	HM518445	3.500	555-5023
315-1504	372-7097	HM218248	3.542	555-5039
315-1506	372-7096	787	4.125	555-5016
315-1507	372-7098	663	3.250	555-5100
315-1508	392-9092	598	3.625	555-5071
	392-9096	598	3.625	555-5071
	392-9096	595	3.250	555-5072
315-1509	392-9095	582, 663A	3.250	555-5072
315-1510	372-7095	665A	3.375	555-5069
315-1511	392-9094	580, 582	3.250	555-5072
315-1515	392-9112	663, HM516449	3.250	555-5072
315-1516	392-9089	687, 780	4.000	555-5004
315-1517	392-9088	594, 594A	3.750	555-5076
315-1519	392-9130	HM516449A	3.250	555-5073
315-1525	392-9131	598A	3.625	555-5071
	392-9131	594A	3.750	555-5076
315-1530	392-9132	594A	3.750	555-5076
	392-9132	598A	3.625	555-5071



Use Universal Tool Body 555-0001 with 555 Series Tool Heads.



## Universal Axle Tools By Tool Head Number

Universal Axle Tool Head No.	Inner Cone	Guardian® Seal Axle Ring or Deflector Ring	Universal Axle Tool Head No.	Inner Cone	Guardian® Seal Axle Ring or Deflector Ring	Universal Axle Tool Head No.	Inner Cone	Guardian® Seal Axle Ring or Deflector Ring
555-5001	3778	310-1061	555-5062	39581,387AS 7451929	308-0836	555-5074	47678,5760 495AX 42688,575	309-0912
555-5002	33281	309-0935			308-0863			309-0957
555-5004	687,780	310-1062			310-1017			310-1012
		309-0948			310-1036			310-1018
		315-1516	310-1068	310-1053				
		310-1067	310-1104	310-1117				
555-5007	6461A	308-0864	555-5064	45284	308-0863	555-5076	594A,594,693 683XA,683, 598A	309-0960
		310-1026	310-1008	310-1036	309-0964			
		310-1037	308-0836	310-1034	309-0970			
555-5011	33287,567	309-0935	310-1034	310-1036	309-0973			
		309-0957	555-5066	HM212047	310-1093			310-1093
		310-1036	310-1028	756A	310-1107			310-1107
		310-1062	555-5067	665A,758	310-1111			310-1111
555-5014	6379	310-1013	555-5069		307-0744			310-1233
555-5016	782,787	310-1089			310-1037			315-1502
		315-1506			310-1095			315-1517
555-5023	HM518445 759,6580 592A,593	307-0723	555-5070	H715345	315-1510			315-1525
		310-1023			308-0853			315-1525
		310-1023			308-0856			315-1530
		310-1043			310-1093			391-9066
		310-1066						
		310-1130	555-5071	598,598A 681A	309-0960	555-5079	760	310-1045
		315-1503			309-0965			310-1095
555-5024	749,749S	310-1005			309-0970			310-1103
		315-1503			309-0973	555-5081		310-1007
555-5031	47685,47686 663	309-0912			310-1026	555-5088	JM207049	308-0866
		309-0915			310-1028			310-1008
		310-1012			310-1079	555-5089	JM205149	308-0866
		310-1027			310-1111			310-1008
		310-1057			315-1502	555-5098	HM212049,-X	308-0836
		310-1091			315-1508			310-1036
		310-1117			315-1525	555-5100	663,6386	307-0713
		315-1501			315-1530			310-1013
555-5036	45284,45285	310-1052	555-5072	H715345	308-0856			310-1028
555-5039	HM218248	307-0743		580,582,663-A	309-0903	555-5291	H414245A	381-0148
		310-1048		HM516449,-A	309-0904	555-5292	32219	391-0138
		315-1504		595,598,6559	309-0961	555-5295	HM212047	381-0150
555-5052	28995	310-1008			309-0965	555-5296	32216	391-0139
555-5054	188931	310-1068			310-1007	555-5297	JF7049A	308-0870
		310-1104			310-1026			
555-5055	JM511946	310-1064			310-1028			
555-5060	641, HM212049 6386A,6386 6389	308-0853			310-1053			
		308-0855			310-1066			
		310-1009			310-1088			
		310-1013			310-1093			
		310-1093			315-1508			
555-5061	HM212044,557A	308-0836	555-5073	HM516449A	315-1509			
		310-1036			315-1511			
					315-1515			
					315-1515			

■ This tool is used with the 310-1026 ring ONLY on Rogers Bros. Spindle R3329.  
For other options with the 310-1026 ring see 555-5071 and 555-5072.

Use Universal Tool Body 555-0001 with 555 Series Tool Heads.

# Fleet Hub Tools

## Fleet Hub Tools By Standard/Grit Guard® Oil Seal Number

Oil Seal	Hub Tool	Hub-Seal Sets
320-2001	551-5398	392-9001, 392-9062
320-2007	551-5326	372-7045
320-2009	551-5356	392-9019, 392-9081
320-2012	551-5405	392-9012
320-2017	551-5352	382-8017
320-2018	551-5351	372-7046, 382-8018
320-2021	551-5385	392-9021
320-2022	551-5381	382-8010
320-2023	551-5401	372-7020, 372-7022, 372-7062, 372-7099, 382-8060
320-2028	551-5385	382-8028, 392-9043
320-2029	551-5386	372-7018, 382-8029, 392-9018
320-2031	551-5388	372-7055, 372-7056, 382-8011, 382-8025
320-2032	551-5388	372-7009, 382-8032
320-2034	551-5387	382-8034
320-2036	551-5346	382-8036
320-2039	551-5395	382-8023, 382-8039
320-2041	551-5398	372-7004, 372-7015, 372-7017, 382-8045
320-2046	551-5388	372-7005, 372-7006
320-2050	551-5347	382-8009
320-2051	551-5388	372-7008
320-2056	551-5302	382-8005
320-2057	551-5353	392-9035, 392-9036
320-2058	551-5303	392-9033
320-2059	551-5317	See 392-9053 Remarks
320-2061	551-5356	392-9034
320-2072	551-5308	372-7048, 392-9038
320-2077	551-5362	392-9063
320-2086	551-5311	382-8001
320-2091	551-5312	See 392-9045 Remarks
320-2096	551-5390	392-9007
320-2097	551-5400	392-9089

Oil Seal	Hub Tool	Hub-Seal Sets
320-2099	551-5317	392-9053
320-2102	551-5318	392-9099
320-2104	551-5383	392-9057
320-2105	551-5351	382-8044
320-2106	551-5320	392-9131
320-2109	551-5313	372-7003, 372-7098, 392-9032
320-2110	551-5412	372-7097
320-2111	551-5323	372-7096
320-2113	551-5412	392-9088
320-2114	551-5412	392-9096
320-2115	551-5356	392-9020, 392-9066, 392-9132
320-2116	551-5317	382-8047
320-2117	551-5325	392-9095
320-2118	551-5321	372-7095
320-2119	551-5353	382-8027
320-2125	551-5388	382-8062
320-2129	551-5393	392-9094
320-2131	551-5363	392-9092
320-2133	551-5353	382-8063
320-2136	551-5381	372-7049
320-2137	551-5327	382-8064
320-2162	551-5333	392-9087
320-2164	551-5366	382-8066
320-2166	551-5340	382-8069
320-2173	551-5401	372-7024, 372-7026, 372-7027, 372-7028, 372-7091
320-2181	551-5349	382-8053, 382-8052
320-2199	551-5344	382-8056
320-2213	551-5364	392-9112, 392-9130
320-2216	551-5403	382-8071
320-2233	551-5404	392-9111

Note: In order for STEMCO warranty to apply, the product must be correctly installed with an installation tool manufactured by STEMCO.

## Fleet Hub Tools By Voyager®/Discover®/Endeavor® Number

Voyager®/Discover®	Hub Tool
373-0113	551-5313
373-0213	
373-0123	551-5401
373-0223	
373-0323	
373-0143	551-5412
373-0243	
373-0343	
373-0144	551-5339
373-0191	551-5401
383-0101	551-5420
383-0136	551-5346
383-0236	
383-0336	
383-0139	551-5413
383-0239	
383-0153	551-5419
383-0156	551-5344
383-0164	551-5327
383-0264	

Voyager®/Discover®	Hub Tool
383-0166	551-5423
383-0171	551-5403
383-0175	551-5417
383-0176	551-5418
393-0103	551-5415
393-0203	
393-0104	551-5414
393-0204	
393-0112	551-5416
393-0212	
393-0115	551-5424
393-0134	551-5421
393-0148	551-5400
393-0173	551-5320
393-0273	
393-0373	

Use Universal Fleet Tool Handle 551-0001 with 551 Series Tool Heads.

## Fleet Hub Tools By Tool Head Number

Tool No.	Seal No.	Tool No.	Seal No.	Tool No.	Seal No.
551-5302	320-2056	551-5351	320-2018	551-5400	320-2097
551-5303	320-2058		320-2105		393-0148
551-5308	320-2072	551-5353	320-2057	551-5401	320-2023
551-5311	320-2086		320-2119		320-2173
551-5312	320-2091		320-2133		373-0123
551-5313	373-0113	551-5356	320-2009		373-0191
	373-0213		320-2061		373-0223
	320-2109		320-2115	551-5403	320-2216
551-5317	320-2059	551-5362	320-2077		383-0171
	320-2099	551-5363	320-2131	551-5404	320-2233
	320-2116	551-5364	320-2213	551-5405	320-2012
551-5318	320-2102		393-0104	551-5412	320-2110
551-5320	320-2106		393-0204		320-2113
	393-0173	551-5366	320-2164		320-2114
	393-0273	551-5381	320-2022		373-0143
551-5321	320-2118		320-2136	551-5413	383-0139
551-5323	320-2111	551-5383	320-2104		383-0239
551-5325	320-2117	551-5385	320-2028	551-5414	393-0104
551-5327	320-2137	551-5386	320-2029		393-0204
	383-0164	551-5387	320-2034	551-5415	393-0103
	383-0264	551-5388	320-2031		393-0203
551-5333	320-2162		320-2032	551-5416	393-0112
551-5339	373-0144	551-5390	320-2096		393-0212
551-5344	320-2199	551-5393	320-2129	551-5417	383-0175
	383-0156		383-0103	551-5418	383-0176
551-5346	320-2036		383-0203	551-5419	383-0153
	383-0136	551-5395	320-2039	551-5420	383-0101
	383-0236	551-5398	320-2001	551-5421	393-0134
551-5347	320-2050		320-2041	551-5422	383-0166
551-5349	320-2181			551-5424	393-0115

Note: In order for STEMCO warranty to apply, the product must be correctly installed with an installation tool manufactured by STEMCO.

Use Universal Fleet Tool Handle 551-0001 with 551 Series Tool Heads.

## Bearing Guides By Cone Number

Cone No.	Bearing Guide No.	Cone No.	Bearing Guide No.	Cone No.	Bearing Guide No.
387AS	570-0017	683	570-0028	33281	570-0021
495AX	570-0022	683XA	570-0028	39250	570-0019
555S	570-0017	687	570-0032	39581	570-0017
557A	570-0018	748S	570-0022	30585	570-0019
559	570-0019	749A	570-0023	42687	570-0022
575	570-0022	758	570-0024	42688	570-0022
580	570-0023	759	570-0025	47678	570-0022
582	570-0023	760	570-0026	47685	570-0023
593	570-0025	843	570-0022	47686	570-0023
594	570-0028	3982	570-0019	188931	570-0017
594A	570-0028	3984	570-0020	7451929	570-0017
595	570-0023	3994	570-0020	H715345	570-0021
598	570-0027	5584	570-0019	HM212044	570-0018
598A	570-0027	5760	570-0022	HM212046	570-0019
623	570-0017	6386	570-0020	HM212047	570-0019
639	570-0019	6386A	570-0020	HM212049	570-0020
641	570-0020	6389	570-0020	HM212049X	570-0020
663	570-0023	6461	570-0022	HM218248	570-0026
663A	570-0023	6461A	570-0022	HM516449,-A,-C	570-0023
665	570-0024	6559	570-0023	HM518445	570-0025
665A	570-0024	6580	570-0025	JM205149A	570-0033
681A	570-0027	33212	570-0031	JM207049A	570-0036

High impact, accurate guides designed to align the STEMCO Seal with the hub bore, thereby eliminating the cocked seal. To be used with the designated hub tool designed for the seal being installed.

# Heavy Duty Axle Tools

## Heavy Duty Axle Tools By Guardian® Seal Number

Guardian® Seal	Inner Cone	Outer Cone	Tool Number
307-0713*	663	560	552-5212
		HM212049	552-5359
307-0723*	HM518445	HM518445	552-5239
307-0743*	HM218248	HM212049	552-5236
307-0744	665A	HM212049	552-5233
308-0836*	HM212044	3782	552-5206
	557A	3782	552-5206
	HM212049,-X	3782	552-5288
	HM212047	3782	552-5230
308-0853	H715345	3979	552-5223
308-0856	H715345	28682	552-5223
		555S	552-5223
308-0864*	6461A	555S	552-5220
		3979	552-5220
309-0903*	580	567	552-5221
	582	567	552-5221
309-0904*	663	575	552-5226
	HM516449-C	47679	552-5226
309-0912	47685	39590	552-5359
	47686	39590	552-5359
309-0915	47685	39590	552-5359
	47686	39590	552-5359

Guardian® Seal	Inner Cone	Outer Cone	Tool Number
309-0960	598A	580/582	552-5214
	594A	580/582	552-5216
309-0961	580	42687	552-5221
	582	42687	552-5221
	663A	42687	552-5221
309-0964	594	580	552-5216
	594A	580	552-5216
309-0965	598	575	552-5215
	598	758	552-5215
	598	665	552-5215
	598	HM617049	552-5215
	598	HM617049	552-5215
309-0970	681A	575/580	552-5214
	683	580	552-5216
	683AX	580	552-5216
309-0973*	598A	580	552-5214
	598	575	552-5215
	594	580	552-5216
	594A	580	552-5216

\*HP Design  
\*\*SS4 Seal.

Note: In order for STEMCO warranty to apply, the product must be correctly installed with an installation tool manufactured by STEMCO.



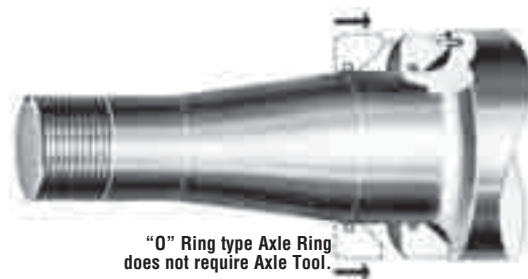
If Heavy Duty Tool is not listed for a specific ring/seal use the 555 series Tool Head for that application.

# Heavy Duty Axle Tools

## Heavy Duty Axle Tools By Axle/Deflector Ring Number

Axle Ring/ Deflector Ring	Set Number	Inner Cone	Outer Cone	Tool Number
310-1007	392-9007	663, HM516449	575, 47679	552-5226
310-1012	392-9012	47686	39590	552-5359
310-1013	None	663	HM212049 560	552-5359
310-1023	None	HM518445	HM518445	552-5239
310-1026	None	598	575	552-5215
310-1034	382-8071 382-8034	HM212047	3779, 45282	552-5230
310-1036	372-7009 382-8025 382-8036	39250 557A HM212044 HM212047 HM212049,-X	4395 3782 3782	552-5231 552-5206 552-5206 552-5230 552-5288
310-1037	None 382-8064	665A 6461A	HM212049 555S, 3979	552-5233 552-5220
310-1043	372-7015	759	740	552-5237
310-1048	None	HM218248	HM212049	552-5236
310-1053	392-9032	580	567	552-5221
310-1057	372-7003	663	HM212049	552-5359
310-1061	382-8005	3778	25877 2790	552-5242 552-5243
310-1064	372-7048 372-7049 392-9038	3984 JM511946 3984	462 JM205149 462	552-5247 552-5273 552-5247
310-1088	None	663, HM516449	575, 47679	552-5226
310-1091	None	47685, 47686	39590	552-5359
310-1093	382-8053 382-8056 None None	H715345 H715345 580, 582 594	3979,28682 28682, 555S 567 580	552-5223 552-5223 552-5221 552-5216

Axle Ring/ Deflector Ring	Set Number	Inner Cone	Outer Cone	Tool Number
310-1111	None None None	598A 681A 683 598A 598 594, 594A	582 580 580 580 575 560, 580	552-5214 552-5214 552-5216 552-5214 552-5215 552-5216
310-1117	392-9045	47686	39590	552-5359
310-1130	372-7062	593	65390 HH506348	552-5239
310-1233	392-9111	593X/594	593X/594	552-5216
315-1501	392-9099	47685, 47686	39590	552-5359
315-1502	392-9087	681A 683 681A 598A 598 594, 594A 598A	580 580 575 582 575 580 580	552-5214 552-5216 552-5215 552-5214 552-5215 552-5216 552-5214
315-1503	372-7099	HM518445	HM518445	552-5239
315-1504	372-7097	HM218248	HM212049	552-5236
315-1506	372-7096	787	6580	552-5268
315-1507	372-7098	663	HM212049	552-5359
315-1508	392-9096	598	575	552-5215
315-1509	392-9095	580, 582, 663A	42687	552-5221
315-1510	372-7095	665A	HM212049	552-5233
315-1511	392-9094	580, 582	567	552-5221
315-1515	392-9112	663, HM516449,-C	575, 47679	552-5226
315-1516	392-9089	780	776, 864	552-5271
315-1517	392-9088	594	580	552-5216
315-1525	392-9131	598 594, 594A 598A	575 580 580	552-5215 552-5216 552-5214



"O" Ring type Axle Ring does not require Axle Tool.

Shaded parts indicate obsolete part numbers.

If Heavy Duty Tool is not listed for a specific ring/seal use the 555 series Tool Head for that application.

# Heavy Duty Axle Tools

## Heavy Duty Axle Tools By Tool Number

Tool No.	Inner Cone	Outer Cone	Deflector Ring	Tool No.	Inner Cone	Outer Cone	Deflector Ring			
552-5214	598A, 681A	580,582,575	309-0970	552-5226	663, HM516449,-C	575, 47679	309-0904			
			309-0973				310-1007			
			315-1502				315-1515			
			315-1525				552-5230	HM212047	3779, 45282	310-1034
			315-1530				552-5233	665A	HM212049, 641	307-0744
552-5215	598, 598A, 681A	575	309-0965	552-5236	HM218248	HM212049	307-0743			
552-5216	594A, 594, 683, -XA	HM516449, 580, 560, 582, 575	309-0973	552-5239	HM518445	HM518445	315-1510			
			310-1026				307-0743			
			315-1502				315-1504			
			315-1508				552-5288	HM212049,-X, X1	3782	307-0723
			315-1525				552-5288	HM212049,-X, X1	3782	310-1023
315-1530	552-5288	HM212049,-X, X1	3782	315-1503						
552-5216	594A, 594, 683, -XA	HM516449, 580, 560, 582, 575	309-0960	552-5288	HM212049,-X, X1	3782	308-0836			
552-5216	594A, 594, 683, -XA	HM516449, 580, 560, 582, 575	309-0964	552-5359	663, 47685, 47686	560, HM212049, 39590	310-1036			
			309-0970				307-0713			
			309-0973				309-0912			
			310-1093				309-0915			
			315-1502				310-1012			
315-1517	310-1013									
315-1525	310-1013									
552-5220	6461A	555S, 3979	308-0864	552-5359	663, 47685, 47686	560, HM212049, 39590	310-1037			
552-5221	580, 582	567, 575	308-0856				307-0713			
			309-0903				309-0912			
			310-1053				309-0915			
315-1511	310-1012									
552-5223	H715345	3979, 28682	308-0853	310-1013						
552-5223	H715345	3979, 28682	308-0855	552-5357	663, 47685, 47686	560, HM212049, 39590	308-0856			
			309-0903				310-1057			
			310-1093				310-1117			
			315-1501				315-1501			
			315-1507				315-1507			

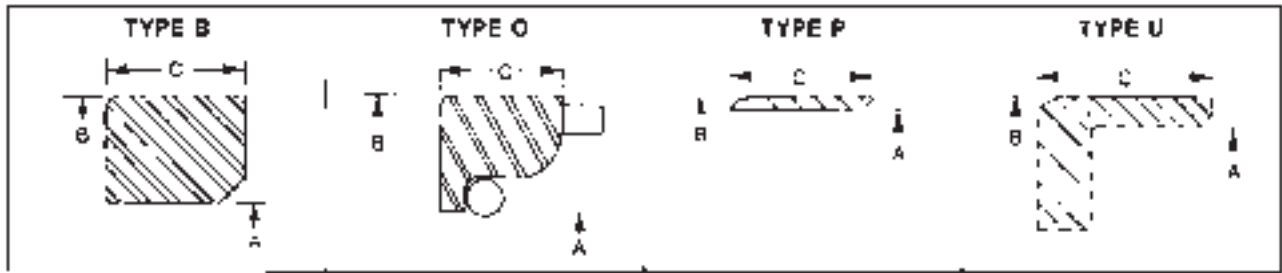
Notes: In order for STEMCO warranty to apply, the product must be correctly installed with an installation tool manufactured by STEMCO.

Hammer Assembly **552-5357**, replaceable tips, **552-5358**.

If Heavy Duty Tool is not listed for a specific ring/seal use the 555 series Tool Head for that application.

# Axle Ring Specifications

**CAUTION!** Dimensions shown in this section are nominal and are for parts identification only. Not intended for ring/seal combination design purposes.



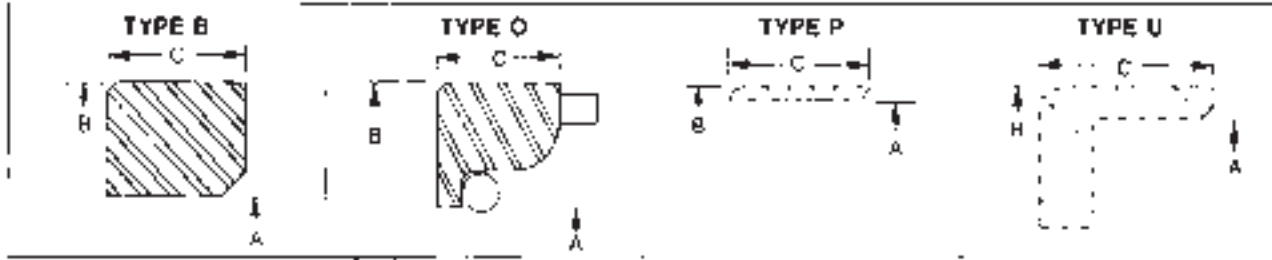
## Axle Ring Dimensions by Part Number

STEMCO Axle Ring Number	Type	A For Shoulder Or Spindle O.D.	B Axle Ring O.D.	C Width
310-1007	P	5.000	5.120	.812
310-1008	P	2.878	2.980	.500
310-1009	B	4.000	4.600	.687
310-1012	P	3.875	4.040	.812
310-1013	P	4.000	4.127	.520
310-1017	P	3.250	3.348	.500
310-1018	P	3.937	4.035	.831
310-1022	O	3.500	4.375	.632
310-1023	P	4.250	4.344	.547
310-1026	P	4.375	4.480	.750
310-1027	B	3.500	4.120	.500
310-1028	P	4.875	4.954	.500
310-1032	O	2.625	3.625	.600
310-1034	P	3.625	3.732	.500
310-1036	P	3.500	3.625	.524
310-1037	P	4.375	4.480	.562
310-1038	O	2.625	4.040	.750
310-1041	O	3.000	4.375	.812
310-1043	B	4.503	4.955	.500
310-1045	B	4.250	4.948	.531
310-1048	P	4.625	4.730	.593
310-1050	O	2.125	3.187	.717
310-1051	O	2.500	3.625	.625
310-1052	B	3.125	3.355	.519
310-1053	P	4.000	4.121	.750
310-1057	B	3.750	4.120	.562
310-1058	P	4.823	4.948	.750
310-1061	P	2.671	2.775	.562
310-1062	P	3.437	3.619	.687
310-1063	P	3.500	3.625	.687
310-1064	P	3.125	3.250	.750
310-1066	P	4.875	4.948	1.000
310-1067	P	5.250	5.375	.812
310-1079	P	4.767	4.948	.812
310-1080	O	3.250	4.375	.625
310-1088	P	4.250	4.369	.812
310-1089	U	5.235	5.368	.908
310-1091	P	3.875	3.972	.812
310-1093	P	4.500	4.597	.687
310-1095	U	4.562	4.948	.625
310-1103	P	4.875	4.948	.750
310-1104	B	2.844	3.125	.600
310-1107	P	4.750	4.864	.750
310-1111	P	4.767	4.872	.650
310-1117	B	3.840	4.163	.625
310-1123	U	4.600	4.865	1.000
310-1130	P	4.250	4.344	.437
310-1132	O	2.625	4.000	.750
310-1233	P	4.724	4.818	.650

Shaded parts indicate obsolete part numbers.

# Axle Ring Specifications

**CAUTION!** Dimensions shown in this section are nominal and are for parts identification only. Not intended for ring/seal combination design purposes.



## Axle Ring Dimensions By Shoulder or Spindle O.D.

A For Shoulder Or Spindle O.D.	Type	B Axle Ring O.D.	C Width	STEMCO Axle Ring Number
2.125	O	3.187	.717	<b>310-1050</b>
2.500	O	3.625	.625	<b>310-1051</b>
2.625	O	3.625	.600	<b>310-1032</b>
2.625	O	4.040	.750	<b>310-1038</b>
2.625	O	4.000	.750	<b>310-1132</b>
2.671	P	2.775	.562	<b>310-1061</b>
2.844	B	3.125	.600	<b>310-1104</b>
2.878	P	2.980	.500	<b>310-1008</b>
3.000	O	4.375	.812	<b>310-1041</b>
3.125	B	3.355	.519	<b>310-1052</b>
3.125	P	3.250	.750	<b>310-1064</b>
3.250	P	3.348	.500	<b>310-1017</b>
3.250	O	4.375	.625	<b>310-1080</b>
3.347	O	4.375	.875	<b>310-1006</b>
3.437	P	3.619	.687	<b>310-1062</b>
3.500	O	4.375	.632	<b>310-1022</b>
3.500	B	4.120	.500	<b>310-1027</b>
3.500	P	3.625	.524	<b>310-1036</b>
3.500	P	3.625	.687	<b>310-1063</b>
3.625	P	3.732	.500	<b>310-1034</b>
3.750	B	4.125	.562	<b>310-1057</b>
3.840	B	4.163	.625	<b>310-1117</b>
3.875	B	4.375	.500	<b>310-1005</b>
3.875	P	4.040	.812	<b>310-1012</b>
3.875	P	3.972	.812	<b>310-1091</b>

A For Shoulder Or Spindle O.D.	Type	B Axle Ring O.D.	C Width	STEMCO Axle Ring Number
3.937	P	4.035	.831	<b>310-1018</b>
4.000	B	4.600	.687	<b>310-1009</b>
4.000	P	4.127	.520	<b>310-1013</b>
4.000	P	4.121	.750	<b>310-1053</b>
4.250	P	4.344	.547	<b>310-1023</b>
4.250	B	4.948	.531	<b>310-1045</b>
4.250	P	4.369	.812	<b>310-1088</b>
4.250	P	4.344	.437	<b>310-1130</b>
4.375	P	4.480	.750	<b>310-1026</b>
4.375	P	4.480	.562	<b>310-1037</b>
4.500	P	4.597	.687	<b>310-1093</b>
4.503	B	4.955	.500	<b>310-1043</b>
4.562	U	4.948	.625	<b>310-1095</b>
4.600	U	4.865	1.000	<b>310-1123</b>
4.625	P	4.730	.593	<b>310-1048</b>
4.724	P	4.818	.650	<b>310-1233</b>
4.750	P	4.864	.750	<b>310-1107</b>
4.767	P	4.948	.812	<b>310-1079</b>
4.767	P	4.848	.650	<b>310-1111</b>
4.823	P	4.948	.750	<b>310-1058</b>
4.875	P	4.954	.500	<b>310-1028</b>
4.875	P	4.948	1.000	<b>310-1066</b>
4.875	P	4.948	.750	<b>310-1103</b>
5.000	P	5.120	.812	<b>310-1007</b>
5.235	U	5.368	.908	<b>310-1089</b>
5.250	P	5.375	.812	<b>310-1067</b>

## Decimal Equivalents

1/32	.0313	9/32	.2813
1/16	.0625	5/16	.3125
3/32	.0938	11/32	.3438
1/8	.1250	3/8	.3750
5/32	.1563	13/32	.4063
3/16	.1875	7/8	.8750
7/32	.2188	15/32	.4688
1/4	.2500	1/2	.5000

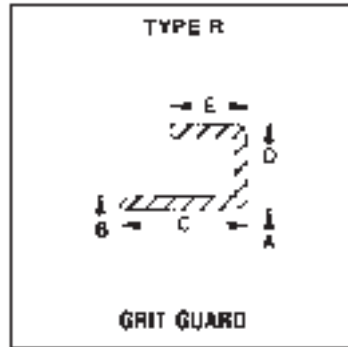
17/32	.5315	25/32	.7813
9/16	.5625	13/16	.8125
19/32	.5938	27/32	.8438
5/8	.6250	7/16	.4375
21/32	.6563	29/32	.9063
11/16	.6875	15/16	.9375
23/32	.7188	31/32	.9688
3/4	.7500	1	1.0000

Shaded parts indicate obsolete part numbers.



# Grit Guard® Deflector Ring Specifications

**CAUTION!** Dimensions shown in this section are nominal and are for parts identification only. Not intended for ring/seal combination design purposes.



## Deflector Ring Dimensions by Part Number

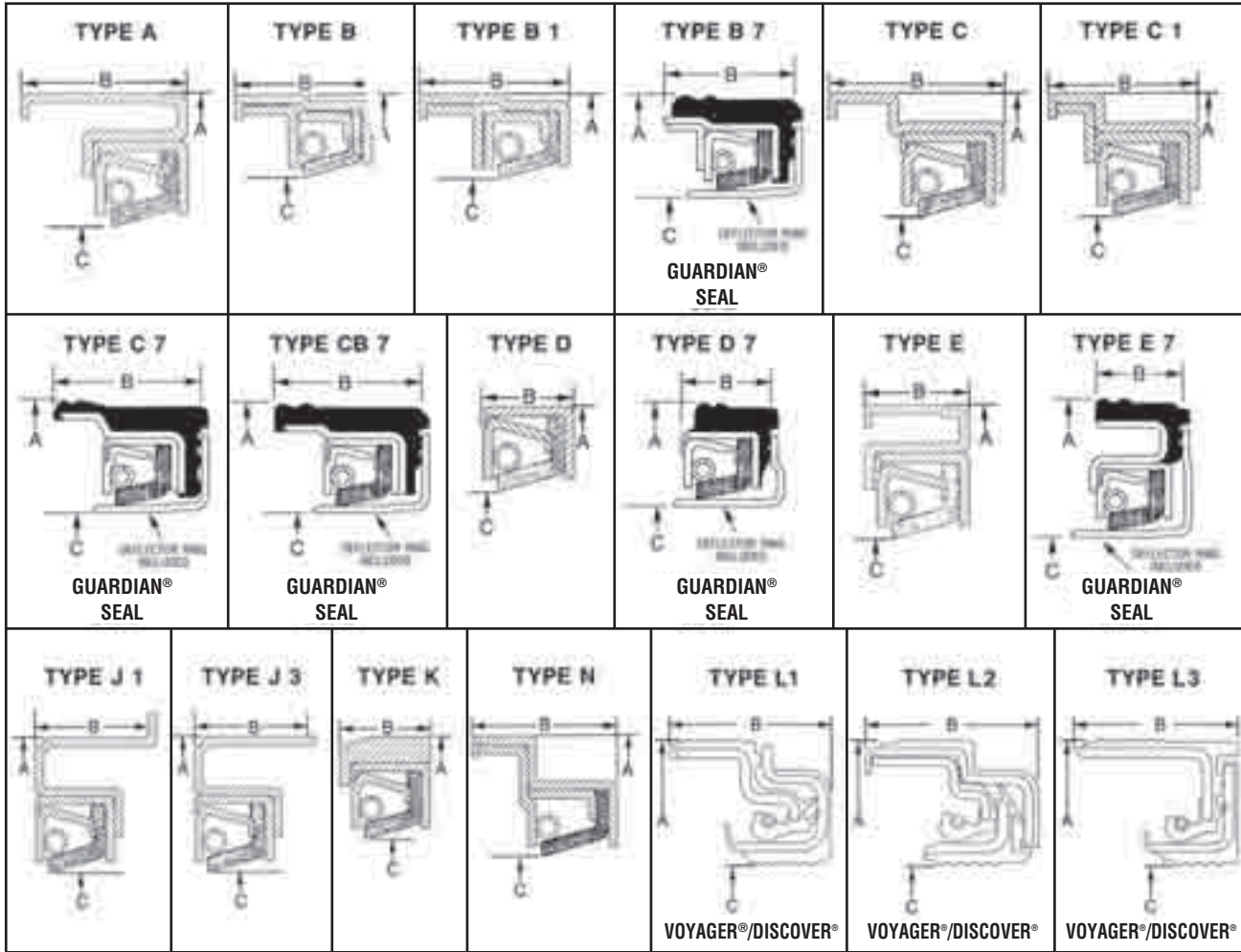
Grit Guard® Deflector Ring	Deflector Ring Type	A For Shoulder O.D.	B Seal Area O.D.	C Width	D Flange O.D.	E Flange Width
315-1501	R	3.875	3.972	1.052	5.250	.520
315-1502	R	4.767	4.854	1.008	6.147	.630
315-1503	R	4.250	4.338	.667	5.625	.453
315-1504	R	4.625	4.730	.730	5.875	.430
315-1506	R	5.250	5.364	.905	6.875	.625
315-1507	R	4.000	4.127	.603	5.625	.365
315-1508	R	4.375	4.480	.875	6.125	.500
315-1509	R	4.262	4.375	.811	5.630	.468
315-1510	R	4.375	4.480	.682	5.625	.500
315-1511	R	4.500	4.597	.950	5.685	.437
315-1515	R	4.250	4.341	.937	6.000	.470
315-1516	R	5.250	5.375	1.110	7.125	.395
315-1517	R	4.500	4.597	.818	6.125	.493
315-1519	R	4.250	4.341	1.187	6.000	.470
315-1525	R	4.767	4.854	.915	6.031	.537
315-1530	R	4.767	4.872	.915	5.935	.400

## Deflector Ring Dimensions by Shoulder O.D.

A For Shoulder O.D.	Type	B Seal Area O.D.	C Width	D Flange O.D.	E Flange Width	Grit Guard® Deflector Ring
3.875	R	3.972	1.052	5.250	.520	315-1501
4.000	R	4.115	.603	5.625	.365	315-1507
4.250	R	4.341	1.187	6.000	.470	315-1519
4.250	R	4.338	.667	5.625	.453	315-1503
4.250	R	4.369	.937	6.000	.470	315-1515
4.262	R	4.373	.811	5.630	.468	315-1509
4.375	R	4.480	.682	5.625	.500	315-1510
4.375	R	4.480	.875	6.125	.500	315-1508
4.500	R	4.597	.950	5.685	.437	315-1511
4.500	R	4.597	.825	6.125	.500	315-1517
4.625	R	4.730	.745	5.875	.490	315-1504
4.767	R	4.872	.915	5.935	.400	315-1530
4.767	R	4.854	1.008	6.147	.630	315-1502
4.767	R	4.854	.915	6.031	.537	315-1525
5.250	R	5.375	1.110	7.125	.395	315-1516
5.250	R	5.364	.905	6.875	.625	315-1506

# Oil Seal Specifications

**CAUTION!** Dimensions shown in this section are nominal and are for parts identification only. Not intended for ring/seal combination design purposes.



## Guardian®/Guardian®HP Hub Oil Seal Dimensions by Part Number

Guardian® Seal Number	Type	A For Bore Diameter	B Width	C For Shoulder O.D.
307-0713 ☐	E7	5.750	.604	4.000
307-0723 ☐	E7	6.008	.563	4.250
307-0743 ☐	D7	6.000	.584	4.625
307-0744	C7	5.753	1.015	4.375
308-0836 ☐	CB7	4.840	.840	3.500
308-0853	D7	5.372	.518	4.500
308-0855 ☐	CB7	5.875	.820	4.500
308-0856 ☐	CB7	5.875	.820	4.500
308-0863	B7	4.542	.760	3.500
308-0864 ☐	E7	5.903	.955	4.375
308-0866	D7	3.875	.495	2.875
308-0870	E7	5.512	.820	3.937
309-0903 ☐	D7	5.750	.516	4.500

Guardian® Seal Number	Type	A For Bore Diameter	B Width	C For Shoulder O.D.
309-0904 ☐	E7	6.250	.548	4.250
309-0912	E7	5.690	.555	3.875
309-0915	E7	5.500	.736	3.875
309-0935	D7	4.750	.541	3.437
309-0948	E7	7.375	.735	5.250
309-0957	E7	5.500	.745	3.937
309-0960	D7	6.251	.668	4.767
309-0961	E7	6.064	.562	4.262
309-0964	E7	6.250	.600	4.500
309-0965	E7	6.250	.600	4.375
309-0970	C7	7.000	1.175	4.767
309-0973 ☐	C7	6.310	.910	4.767

- ☐ Deflector ring width is .855.
- ☐ Deflector ring width is .685.
- ☐ Guardian® HP.

# Oil Seal Specifications

## Oil Seal Dimensions by Part Number

STEMCO Seal Number	Type	A For Bore Diameter	B Width	C Axle Ring O.D. +/- .010
320-2001	A	6.500	.906	4.955
320-2007	D	6.250	.565	5.126
320-2009	C	6.251	1.127	4.955
320-2012	A	5.690	.612	4.041
320-2017	B	4.437	.812	3.358
320-2018	B	4.125	.780	2.980
320-2021	A	6.312	1.192	4.955
320-2022	A	4.500	.625	3.187
320-2023	N	6.008	.914	4.377
320-2028	A	6.375	.864	4.955
320-2029	A	5.375	.947	4.041
320-2031	A	5.000	.890	3.623
320-2032	E	5.000	.539	3.623
320-2034	B	4.812	.875	3.730
320-2036	N	4.840	.875	3.625
320-2039	B	5.125	.984	4.041
320-2041	A	6.437	.906	4.955
320-2046	A	5.003	.890	3.623
320-2050	B1	4.125	.664	3.361
320-2051	A	5.000	.734	3.623
320-2056	B1	3.671	.843	2.775
320-2057	C1	4.625	.934	3.623
320-2058	D	5.500	.565	4.600
320-2059	D	6.250	.572	5.377
320-2061	C1	6.003	.895	4.955
320-2072	B	4.437	.812	3.250
320-2077	D	3.937	.473	3.125
320-2086	A	5.625	.600	4.127
320-2091	A	5.500	.600	4.166
320-2096	B	6.250	1.063	5.126

STEMCO Seal Number	Type	A For Bore Diameter	B Width	C Axle Ring O.D. +/- .010
320-2097	J3	7.375	.750	5.377
320-2099	K	7.250	.828	5.377
320-2102	B	5.250	1.043	3.972
320-2104	C1	5.500	1.000	4.041
320-2105	B	4.175	.780	2.980
320-2106	N	6.310	1.141	4.872
320-2109	N	5.750	.866	4.127
320-2110	N	6.000	.818	4.733
320-2111	C1	7.135	1.093	5.377
320-2113	N	6.000	1.062	4.629
320-2114	N	6.000	1.062	4.481
320-2115	N	6.000	1.062	4.871
320-2117	J1	6.064	.583	4.377
320-2118	N	5.753	.912	4.480
320-2119	B1	4.450	.816	3.623
320-2125	B1	4.437	.816	3.623
320-2129	N	5.750	.825	4.615
320-2131	N	6.250	1.023	4.485
320-2133	B1	4.542	.816	3.623
320-2136	A	4.500	.625	3.247
320-2137	N	5.903	1.056	4.485
320-2162	C1	7.000	1.320	4.872
320-2164	B	3.875	.750	2.980
320-2166	N	6.125	.724	4.955
320-2173	N	6.032	.875	4.377
320-2181	B1	5.372	.937	4.600
320-2199	N	5.875	.903	4.600
320-2213	J1	6.251	.562	4.377
320-2216	N	5.000	.820	3.732
320-2233	N	5.906	.913	4.818

## Voyager®/Discover® Oil Seal Dimensions by Part Number

Voyager® Seal No.	Type	A For Bore Diameter	B Width	C For Shoulder O.D.
373-0113	L2	5.750	.940	4.000
373-0123	L1	6.008	.995	4.250
373-0143	L1	6.000	.981	4.625
373-0144	L3	5.753	.993	4.375
373-0191	L2	6.032	.960	4.250
383-0101	L2	5.625	.625	4.000
383-0136	L1	4.840	.932	3.500
383-0139*	L2	5.120	.968	4.000
383-0153	L3	5.375	.975	4.500
383-0156	L2	5.875	.988	4.500
383-0164	L2	5.903	1.030	4.375
383-0166	L3	3.875	.750	2.875
383-0171	L2	5.000	.820	3.625
383-0175	L2	3.939	.500	2.359
383-0176	L2	4.725	.563	2.948
393-0103	L2	5.750	1.006	4.500

Voyager®/Discover® Seal No.	Type	A For Bore Diameter	B Width	C For Shoulder O.D.
393-0104	L2	6.250	1.290	4.250
393-0112	L2	5.690	.820	3.875
393-0115	L3	5.500	.705	3.875
393-0134	L2	6.000	.790	4.875
393-0148	L2	7.375	1.000	5.250
393-0173	L1	6.310	1.127	4.767
373-0213	L2	5.750	.940	4.000
373-0223	L1	6.008	.995	4.250
373-0243	L1	6.000	.981	4.625
383-0236	L1	4.840	.932	3.500
383-0239**	L2	5.120	.968	4.000
383-0264	L2	5.903	1.030	4.375
393-0203	L2	5.750	1.006	4.500
393-0204	L2	6.250	1.290	4.250
393-0273	L1	6.310	1.127	4.767
393-0212	L2	5.690	.820	3.875

\* 383-0139 must be used with 310-1132 ring, available in Kit #383-8139.

\*\* 383-0239 must be used with 310-1132 ring, available in Kit #383-8239.

Shaded parts indicate obsolete part numbers.

# Oil Seal Specifications

## Guardian® Hub Oil Seal Dimensions By Bore Diameter

A For Bore Diameter	Guardian® Type	B Width	C Shoulder O.D.	Guardian® Seal Number
3.875	D7	.495	2.875	<b>308-0866</b>
4.542	B7	.760	3.500	<b>308-0863</b>
4.750	D7	.541	3.437	<b>309-0935</b>
4.840	CB7	.840	3.500	<b>308-0836</b>
5.372	D7	.518	4.500	<b>308-0853</b>
5.500	E7	.736	3.875	<b>309-0915</b>
5.500	E7	.745	3.937	<b>309-0957</b>
5.512	E7	.820	3.937	<b>308-0870</b>
5.690	E7	.555	3.875	<b>309-0912</b>
5.750	E7	.604	4.000	<b>307-0713</b>
5.750	D7	.516	4.500	<b>309-0903</b>
5.753	C7	1.015	4.375	<b>307-0744</b>
5.875	CB7	.820	4.500	<b>308-0855</b> □

A Bore Diameter	Guardian® Type	B Width	C Shoulder O.D.	Guardian® Seal Number
5.875	CB7	.820	4.500	<b>308-0856</b> ☒
5.903	E7	.955	4.375	<b>308-0864</b>
6.000	D7	.584	4.625	<b>307-0743</b>
6.008	E7	.563	4.250	<b>307-0723</b>
6.064	E7	.562	4.262	<b>309-0961</b>
6.250	E7	.548	4.250	<b>309-0904</b>
6.250	E7	.600	4.500	<b>309-0964</b>
6.250	E7	.600	4.375	<b>309-0965</b>
6.251	D7	.668	4.767	<b>309-0960</b>
6.310	C7	.910	4.767	<b>309-0973</b>
7.000	C7	1.175	4.767	<b>309-0970</b>
7.375	E7	.735	5.250	<b>309-0948</b>

□ Deflector ring width is .885. ☒ Deflector ring width is .685.

## Oil Seal Dimensions By Bore Diameter

A Bore Diameter	Seal Type	B Width	C Axle Ring O.D. +/- .010	STEMCO Oil Seal Number
3.671	B1	.843	2.775	<b>320-2056</b>
3.875	B	.750	2.980	<b>320-2164</b>
3.937	D	.473	3.125	<b>320-2077</b>
4.125	B	.780	2.980	<b>320-2018</b>
4.125	B1	.664	3.361	<b>320-2050</b>
4.175	B	.780	2.980	<b>320-2105</b>
4.437	B	.812	3.250	<b>320-2072</b>
4.437	B	.812	3.358	<b>320-2017</b>
4.437	B1	.816	3.623	<b>320-2125</b>
4.450	B1	.816	3.623	<b>320-2119</b>
4.500	A	.625	3.187	<b>320-2022</b>
4.500	A	.625	3.247	<b>320-2136</b>
4.542	B1	.816	3.623	<b>320-2133</b>
4.625	C1	.934	3.623	<b>320-2057</b>
4.812	B	.875	3.730	<b>320-2034</b>
4.840	N	.875	3.625	<b>320-2036</b>
5.000	E	.539	3.623	<b>320-2032</b>
5.000	A	.734	4.623	<b>320-2051</b>
5.000	A	.890	3.623	<b>320-2031</b>
5.000	N	.820	3.732	<b>320-2216</b>
5.003	A	.890	3.623	<b>320-2046</b>
5.125	B	.984	4.041	<b>320-2039</b>
5.250	B	1.043	3.972	<b>320-2102</b>
5.372	B1	.937	4.600	<b>320-2181</b>
5.375	A	.947	4.041	<b>320-2029</b>
5.500	C1	1.000	4.041	<b>320-2104</b>
5.500	A	.600	4.166	<b>320-2091</b>
5.500	D	.565	4.600	<b>320-2058</b>
5.625	A	.600	4.127	<b>320-2086</b>
5.690	A	.612	4.041	<b>320-2012</b>

A Bore Diameter	Seal Type	B Width	C Axle Ring O.D. +/- .010	STEMCO Oil Seal Number
5.750	N	.866	4.127	<b>320-2109</b>
5.750	N	.825	4.615	<b>320-2129</b>
5.753	N	.912	4.480	<b>320-2118</b>
5.875	N	.903	4.600	<b>320-2199</b>
5.903	N	1.056	4.485	<b>320-2137</b>
5.906	N	.913	4.818	<b>320-2233</b>
6.000	B	1.062	4.481	<b>320-2114</b>
6.000	B	1.062	4.629	<b>320-2113</b>
6.000	N	.818	4.733	<b>320-2110</b>
6.000	B	1.062	4.871	<b>320-2115</b>
6.003	C1	.895	4.955	<b>320-2061</b>
6.008	N	.914	4.377	<b>320-2023</b>
6.032	N	.875	4.377	<b>320-2173</b>
6.064	J1	.583	4.377	<b>320-2117</b>
6.250	N	1.023	4.485	<b>320-2131</b>
6.250	D	.565	5.126	<b>320-2007</b>
6.250	B	1.063	5.126	<b>320-2096</b>
6.250	D	.572	5.377	<b>320-2059</b>
6.251	J1	.562	4.377	<b>320-2213</b>
6.251	C	1.127	4.955	<b>320-2009</b>
6.310	N	1.141	4.872	<b>320-2106</b>
6.312	A	1.192	4.955	<b>320-2021</b>
6.375	A	.864	4.955	<b>320-2028</b>
6.437	A	.906	4.955	<b>320-2041</b>
6.500	A	.906	4.955	<b>320-2001</b>
7.000	C1	1.320	4.872	<b>320-2162</b>
7.135	C1	1.093	5.377	<b>320-2111</b>
7.250	K	.828	5.377	<b>320-2099</b>
7.375	J1	.750	5.377	<b>320-2097</b>

Shaded parts indicate obsolete part numbers.

## EXTEND SEAL & BEARING LIFE BY PREVENTING CONTAMINATION

### SENTINEL®



#### SENTINEL® TECHNOLOGY

Provides an unmatched filtering system to eliminate contamination of lubricant from grime, dirt or water.

##### Sentinel® Hub Cap

Provides a tamper-proof hub cap system for maximum protection and maintenance-free performance.



##### Integrated Sentinel® Hub Cap

Tamper-proof hub cap integrates the Sentinel® features into the window with fewer components and greater wheel end visibility.



##### Sentinel® ESP (Extended Service Plug)

Allows economical retrofitting of wheel ends with the benefits of STEMCO'S exclusive Sentinel® Technology.



##### Sentinel® ESP Filtered Vent

Drive axles can now be retrofitted to benefit from STEMCO'S exclusive Sentinel® Technology.



# SENTINEL<sup>®</sup>

## TECHNOLOGY

**STEMCO<sup>®</sup>**  
*A Higher Standard of Performance.<sup>SM</sup>*  
 an EnPro Industries company

- Prevents dirt and water from contaminating the oil, thereby extending seal and bearing life.
- Dramatically reduces contaminant build-up on hub cap windows, allowing for an accurate determination of lube levels.
- Eliminates early oil breakdown by preventing water contamination as a result of submerged axles.
- Provides maximum protection for maintenance-free wheel end systems.
- Improves performance and lowers overall maintenance costs.

### SENTINEL<sup>®</sup> HUB CAP

STEMCO BASE PART NO.	OIL CAP	GREASE CAP	BOLT CIRCLE	BOLT SIZE	NO. OF BOLTS	GASKET NUMBER	OIL WINDOW KIT	GREASE WINDOW KIT
4009	348-4009	349-4009	5 1/2"	5/16"	6	330-3009	359-6112	359-6120
4013	348-4013	349-4013	5 1/2"	5/16"	5	330-3013	359-6112	359-6120
4046	348-4046	349-4046	5 1/2"	5/16"	6	330-3009	359-6112	359-6120
4075	348-4075	349-4075		6 1/4" x 8" UN(M)		330-3077	359-6112	359-6120
4095	348-4095	349-4095	5 1/2"	5/16"	6	330-3009	359-6112	359-6120
4195	348-4195	349-4195	6 3/4"	5/16"	6	330-3118	359-6112	359-6120
4281	348-4281	N/A	5 17/32"	3/8"	6	330-3122	359-6112	359-6120

### INTEGRATED SENTINEL<sup>®</sup> HUB CAP

STEMCO BASE PART NO.	OIL CAP	GREASE CAP	BOLT CIRCLE	BOLT SIZE	NO. OF BOLTS	GASKET NUMBER	OIL WINDOW KIT	GREASE WINDOW KIT
4009	356-4009	358-4009	5 1/2"	5/16"	6	330-3009	359-6145	359-6146
4013	356-4013	358-4013	5 1/2"	5/16"	5	330-3013	359-6145	359-6146
4024	356-4024	358-4024	4 1/2"	5/16"	6	330-3024	359-6143	359-6144
4025	356-4025	358-4025	5 7/8"	5/16"	6	330-3025	359-6143	359-6144
4046	356-4046	358-4046	5 1/2"	5/16"	6	330-3009	359-6145	359-6146
4075	356-4075	358-4075		6 1/4" x 8" UN(M)		330-3077	359-6145	359-6146
4080	356-4080	358-4080	6	3/8"	6	330-3060	359-6143	359-6144
4095	356-4095	358-4095	5 1/2"	5/16"	6	330-3009	359-6145	359-6146
4119	356-4119	358-4119	7	5/8"	8	330-3090	359-6145	359-6146
4150	356-4150	358-4150	4 1/2"	5/16"	5	330-3150	359-6143	359-6144
4195	356-4195	358-4195	6 3/4"	5/16"	6	330-3118	359-6145	359-6146

## SENTINEL<sup>®</sup>

To relieve vacuum, the Sentinel<sup>®</sup> interior check valve lifts slightly, drawing air through the water-resistant expanded PTFE fabric filter into the wheel end, while the duck-bill check valve remains closed, blocking dirt, grime and other contaminants from entering.



To relieve pressure, the Sentinel<sup>®</sup> duck-billed pressure relief valve opens, allowing pressure to vent out, while the umbrella check valve remains closed, stopping lubricant from leaking out and contaminants from flowing in.

STEMCO - USA  
 P.O. Box 1989 · Longview, TX 75606-1989  
 (903) 758-9981 · 1-800-527-8492  
 FAX: 1-800-874-4297  
 www.stemco.com

STEMCO - Canada  
 5900 Ambler Drive,  
 Units 4 & 5 · Mississauga, ON L4W 2N3  
 (905) 206-9922 · 877-232-9111 · FAX: 877-244-4555

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 Hudson 10-483 Rev. 03/09

**TQM<sup>SM</sup>**  
 TOTAL QUALITY MAINTENANCE<sup>SM</sup>

### SENTINEL<sup>®</sup> ESP (EXTENDED SERVICE PLUG)

STEMCO PART NO.	DESCRIPTION	STEMCO PART NO.	DESCRIPTION
359-6124	ESP Plug Blister Pack (2/pk)	300-5009	340-4009 Hub Cap with ESP Plug Bulk Pack (50/box)
359-6125	ESP Plugs (bulk pack of 50)	303-5009	343-4009 Hub Cap with ESP Plug Bulk Pack (50/box)

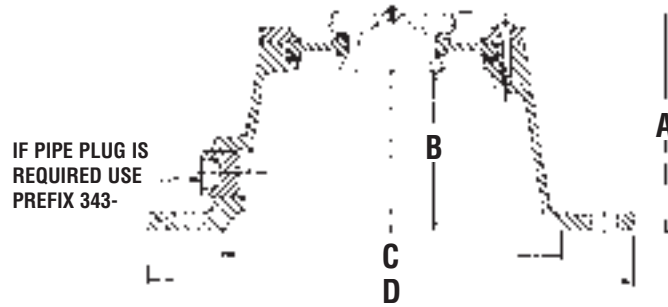
### BULK PACK HUB CAP

### SENTINEL<sup>®</sup> ESP FILTERED VENT

STEMCO PART NO.	DESCRIPTION
359-6137	Drive Axle Vent (3/8" adapter)

# Hub Cap Specifications

## Bolt-on Hub Caps By Bolt Circle



### HOW TO DETERMINE BOLT CIRCLE

Count the number of mounting holes; measure diameter of bolts; measure bolt circle (select 2 holes opposite each other and measure from the center of one bolt to the center of the one opposite). On odd number holes, measure inside diameter of hub and add twice the distance from the bore to the center of bolt hole.






Bolt Circle	Bolt Size	No. Of Bolts	A Height	B Inside Depth	C Flange I.D.	D Flange O.D.	Hub Cap Includes Gasket	Gasket Number
3-5/8	5/16	4	2-1/4	1-1/2	2-1/2	4-1/2	340-4065	330-3040
3-7/8	5/16	6	2-1/4	1-1/2	2-3/4	4-1/2	340-4198	330-3119
4	1/4	4	2-1/8	1-3/8	3-1/8	4-9/16	340-4157 □	330-3102
4-1/16	3/16	6	2-5/8	1-7/8	3-5/16	4-1/2	340-4139 □	330-3094
4-1/2	5/16	6	2-5/8	1-7/8	3-1/2	5-1/4	340-4024	330-3024
4-1/2	5/16	6	2-5/8	1-7/8	3-1/2	5-1/4	343-4308	330-3024
4-1/2	6mm	6	2-5/8	1-7/8	3-1/2	5-1/4	340-4263	330-3024
5	1/4	4	3-1/8	2-3/8	4	5-3/4	340-4028	330-3028
5	5/16	4	2-1/8	1-3/8	4	5-3/4	340-4186	330-3120
5-1/8	5/16	6	2-7/8	2-1/8	3-3/4	5-3/4	340-4066	330-3041
5-1/8	5/16	6	1-7/8	1-1/8	4	5-11/16	340-4042	330-3041
5-1/4	3/8	3	2-7/8	2-1/8	4-3/8	6	340-4002	330-3002
5-1/4	3/8	3	3-1/2	2-3/4	4-1/8	Not Round	340-4019	330-3019
5-1/4	5/16	6	2-7/8	2-1/8	4-3/8	6	340-4031	330-3031
5-1/2	5/16	6	1-1/4	1-1/8	4-7/16	6-3/16	340-4098	330-3009
5-1/2	5/16	5	2-11/16	1-15/16	4-3/8	6-1/4	340-4013	330-3013
5-1/2	5/16	6	1-13/16	1-11/16	4-7/16	6-3/16	340-4249 □	330-3122
5-1/2	5/16	6	1-13/16	1-1/16	4-9/16	6-3/16	340-4095	330-3009
5-1/2	5/16	6	2-5/16	1-9/16	4-9/16	6-3/16	340-4046	330-3009
5-1/2	5/16	6	2-11/16	1-15/16	4-3/8	6-1/4	340-4009	330-3009
5-1/2	5/16	6	2-11/16	1-15/16	4-3/8	6-1/4	343-4122	330-3009
5-1/2	5/16	6	1-13/16	1-1/16	4-9/16	6-3/16	343-4309	330-3009
5-1/2	5/16	6	2-11/16	1-15/16	4-3/8	6-1/4	343-4342	330-3009
5-17/32	3/8	6	1-13/16	1-9/16	4-7/16	6-3/16	343-4250 □	330-3122
5-17/32	3/8	6	2-5/16	1-9/16	4-9/16	6-3/16	343-4281 □	330-3122
5-9/16	5/16	6	1-13/16	1-11/16	4-7/16	6-3/16	340-4249 □	330-3122
5-9/16	5/16	3	2-7/8	2-1/8	3-3/4	6-3/8	340-4049	330-3042
5-9/16	5/16	6	2-7/8	2-1/8	3-11/16	6-3/8	340-4149	330-3097
5-7/8	5/16	6	1-3/8	5/8	4-1/4	6-1/2	343-4025 □	330-3025
5-7/8	5/16	6	1-5/8	1-7/16	4-1/2	6-37/64	340-4092	330-3025
5-7/8	5/16	6	2-3/8	1-5/8	5-1/8	Not Round	340-4036	330-3035
6	5/16	6	2-5/8	1-7/8	5	6-3/4	340-4059	330-3056
6	5/16	6	2-1/2	1-3/4	4-15/16	6-7/8	343-4176	330-3060
6	3/8	6	3-3/16	2-3/8	4-15/16	6-7/8	343-4080 □	330-3060
6-1/8	3/8	3	2-11/16	1-15/16	4-5/16	7	340-4011	330-3011
6-1/8	5/16	6	2-11/16	1-15/16	4-5/16	7	340-4163 □	330-3104

- Cannot be made with pipe plug.
- ▣ Made with pipe plug only.
- ▣ Fits 5-1/2 and 5-9/16 bolt circles.


(Continued Next Page)

# Hub Cap Specifications

## Bolt-on Hub Caps By Bolt Circle

Bolt Circle	Bolt Size	No. Of Bolts	A Height	B Inside Depth	C Flange I.D.	D Flange O.D.	Hub Cap Includes Gasket	Gasket Number
6-5/8	1/4	6	2-13/16	2-1/16	5-5/16	7-1/8	<b>340-4034</b>	<b>330-3034</b>
6-3/4	5/16	6	3-11/16	2-15/16	5-7/16	7-1/2	<b>340-4195</b>	<b>330-3118</b>
6-3/4	3/8	6	2-11/16	1-15/16	5	7-3/4	<b>343-4064</b> 	<b>330-3079</b>
6-7/8	7/16	7	2-11/16	1-15/16	5	7-3/4	<b>340-4082</b>	<b>330-3062</b>
7	5/8	8	2-1/16	1-5/16	4-5/16	8-1/4	<b>340-4119</b> 	<b>330-3090</b>
7	13/16	8	2-1/16	1-5/16	4-5/16	8-1/4	<b>340-4305</b> 	<b>330-3090</b>
7-1/4	1/4	6	2-7/8	2-1/8	6-1/4	7-7/8	<b>343-4107</b> 	<b>330-3084</b>
110mm	8.5mm	6	67.3mm	47.0mm	88.4mm	133.3mm	<b>343-4295</b> 	<b>330-3130</b>

 Cannot be made with pipe plug.

 Made with pipe plug only.

## 4009 Hub Cap Variations

Application	Part Number	Description
Oil	<b>343-4350</b>	Cast aluminum hub cap with PSI face & side fill plug
Oil	<b>347-4009</b>	Cast aluminum hub cap with hubo window & side fill plug
Oil	<b>348-4009</b>	Cast aluminum hub cap with Sentinel® Technology and side fill plug
Oil	<b>356-4009</b>	Integrated Sentinel®
Grease/Oil	<b>340-4009</b>	Cast aluminum hub cap with large red fill plug & no side fill plug
Grease/Oil	<b>343-4009</b>	Cast aluminum hub cap with large red fill plug & side fill plug
Grease/Oil	<b>300-4009</b>	Cast aluminum hub cap with large red fill plug & no side fill plug in 50 unit bulk pack
Grease/Oil	<b>303-4009</b>	Cast aluminum hub cap with large red fill plug & side fill plug in 50 unit bulk pack
Grease	<b>340-4350</b>	Cast aluminum hub cap with PSI face & no side fill plug
Grease	<b>340-5096</b>	Stamped steel hub cap with vent
Grease	<b>340-5097</b>	Stamped steel hub cap with no vent
Grease	<b>342-4009</b>	Cast aluminum hub cap with dirt exclusion window & no side fill plug
Grease	<b>347-4278</b>	Cast aluminum hub cap with hubo window & no side fill plug
Grease	<b>347-5096</b>	Stamped steel hub cap with hubo mounting hole & vent
Grease	<b>349-4009</b>	Cast aluminum hub cap with Sentinel® Technology and no side fill plug
Grease	<b>352-4009</b>	Cast aluminum hub cap with solid top (duckbill vent) & no side fill plug
Grease	<b>358-4009</b>	Integrated Sentinel®

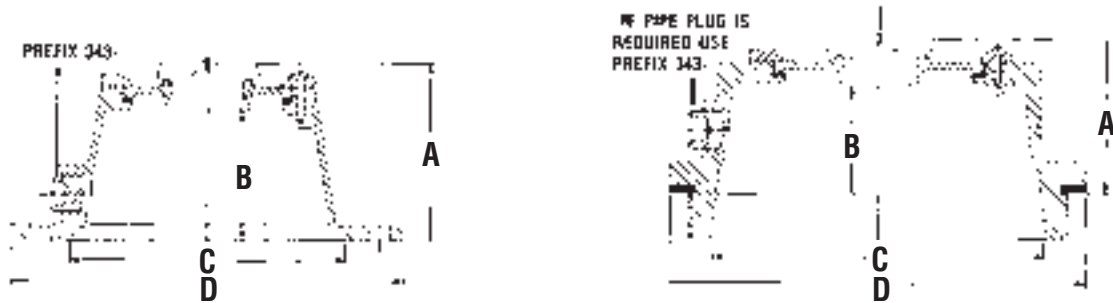
## Bulk Hub Caps

STEMCO Part No.	Standard Part No.	Bulk Qty.	Gasket Number
<b>300-4009</b>	<b>340-4009</b>	25	<b>330-3009</b> -Included
<b>303-4009</b>	<b>343-4009</b>	25	<b>330-3009</b> -Included
<b>300-5097</b>	<b>340-4009</b>	25	<b>330-3009</b> -Included



# Hub Cap Specifications

## Hub Caps By Cap Number



Hub Cap Includes Gasket	Bolt Circle	Bolt Size	No. Of Bolts	A Height	B Inside Depth	C Flange I.D.	D Flange O.D.	Gasket Number	Window Kit
340-4002	5-1/4	3/8	3	2-7/8	2-1/8	4-3/8	6	330-3002	359-5999
340-4009 ☐	5-1/2	5/16	6	2-11/16	1-15/16	4-3/8	6-1/4	330-3009	359-5995
340-4011	6-1/8	3/8	3	2-11/16	1-15/16	4-5/16	7	330-3011	359-5995
340-4013 ☐	5-1/2	5/16	5	2-11/16	1-15/16	4-3/8	6-1/4	330-3013	359-5995
340-4015	Blank	--	--	2-11/16	1-15/16	4-3/8	6-1/4	330-3015	359-5995
340-4019	5-1/4	3/8	3	3-1/2	2-3/4	4-1/8	Not Round	330-3019	359-5995
340-4024	4-1/2	5/16	6	2-5/8	1-7/8	3-1/2	5-1/4	330-3024	359-5999
343-4025 ☐	5-7/8	5/16	6	1-3/8	5/8	4-1/4	6-1/2	330-3025	359-5999
340-4028	5	1/4	4	3-1/8	2-3/8	4	5-3/4	330-3028	359-5999
340-4031	5-1/4	5/16	6	2-7/8	2-1/8	4-3/8	6	330-3031	359-5999
340-4034	6-5/8	1/4	6	2-13/16	2-1/16	5-5/16	7-1/8	330-3034	359-5999
340-4036	5-7/8	5/16	6	2-3/8	1-5/8	5-1/8	Not Round	330-3035	359-5995
340-4042	5-1/8	5/16	6	1-7/8	1-1/8	4	5-11/16	330-3041	359-5999
340-4046	5-1/2	5/16	6	2-5/16	1-9/16	4-9/16	6-3/16	330-3009	359-5995
340-4054 ☐	Blank	None	--	2-1/8	1-3/8	4-1/32	8-5/8	330-3017	359-5995
340-4059	6	5/16	6	2-5/8	1-7/8	5	6-3/4	330-3056	359-5995
343-4064 ☐	6-3/4	3/8	6	2-11/16	1-15/16	5	7-3/4	330-3079	359-5995
340-4065	3-5/8	5/16	4	2-1/4	1-1/2	2-3/4	4-1/2	330-3040	359-5990
340-4066	5-1/8	5/16	6	2-7/8	2-1/8	3-3/4	5-3/4	330-3041	359-5999
340-4075 ☐	6-1/4 X 8 UN (M)			2-5/16	1-9/16	5-3/4	6-7/8	330-3077	359-5995
343-4080 ☐	6	3/8	6	3-3/16	2-3/8	4-15/16	6-7/8	330-3060	359-5999
340-4082	6-7/8	7/16	7	2-11/16	1-15/16	5	7-3/4	330-3062	359-5995
340-4092	5-7/8	5/16	6	1-5/8	1-7/16	4-1/2	6-37/64	330-3025	359-5912
340-4095	5-1/2	5/16	6	1-13/16	1-1/16	4-9/16	6-3/16	330-3009	359-5995
340-4098	5-1/2	5/16	6	1-1/4	1-1/8	4-7/16	6-3/16	330-3009	359-5912
343-4107 ☐	7-1/4	1/4	6	2-7/8	2-1/8	6-1/4	7-7/8	330-3084	359-5995
340-4119 ☐	7	5/8	8	2-1/16	1-5/16	4-5/16	8-1/4	330-3090	359-5995
343-4122 ☐	5-1/2	5/16	6	2-11/16	1-15/16	4-3/8	6-1/4	330-3009	359-5995
340-4139 ☐	4-1/16	3/16	6	2-5/8	1-7/8	3-5/16	4-1/2	330-3094	359-5999

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☐ Cannot be made with pipe plug.























☐ Made with pipe plug only.











☐ Hub cap available with hub window, order 347-prefix. Also available **347-4342**, which is 4195 hub cap for grease applications and **347-4343** which is 4075 hub cap for grease applications, **347-4278** for 4009 grease hub cap application.

☐ 4009 hub cap with magnetic pipe plug (**359-5984**).

# Hub Cap Specifications

## Hub Caps By Cap Number

Hub Cap Includes Gasket	Bolt Circle	Bolt Size	No. Of Bolts	A Height	B Inside Depth	C Flange I.D.	D Flange O.D.	Gasket Number	Window Kit
<b>340-4149</b>	5-9/16	5/16	6	2-7/8	2-1/8	3-11/16	6-3/8	<b>330-3097</b>	<b>359-5999</b>
<b>340-4157</b> 	4	1/4	4	2-1/8	1-3/8	3-1/8	4-9/16	<b>330-3102</b>	<b>NONE</b>
<b>340-4163</b> 	6-1/8	5/16	6	2-11/16	1-15/16	4-5/16	7	<b>330-3104</b>	<b>359-5995</b>
<b>343-4176</b>	6	5/16	6	2-1/2	1-3/4	4-15/16	6-7/8	<b>330-3060</b>	<b>359-5999</b>
<b>340-4186</b>	5	5/16	4	2-1/8	1-3/8	4	5-3/4	<b>330-3120</b>	<b>359-5999</b>
<b>340-4195</b> 	6-3/4	5/16	6	3-11/16	2-15/16	5-7/16	7-1/2	<b>330-3118</b>	<b>359-5995</b>
<b>340-4198</b>	3-7/8	5/16	6	2-1/4	1-1/2	2-3/4	4-1/2	<b>330-3119</b>	<b>NONE</b>
<b>340-4249</b> 	5-1/2	5/16	6	1-13/16	1-11/16	4-7/16	6-3/16	<b>330-3122</b>	<b>359-5912</b>
<b>343-4250</b>  	5-17/32	3/8	6	1-13/16	1-9/16	4-7/16	6-3/16	<b>330-3122</b>	<b>NONE</b>
<b>340-4263</b> 	4-1/2	6mm	6	2-5/8	1-7/8	3-1/2	5-1/4	<b>330-3024</b>	<b>359-5999</b>
<b>343-4281</b> 	5-17/32	3/8	6	2-5/16	1-9/16	4-9/16	6-3/16	<b>330-3122</b>	<b>359-5995</b>
<b>343-4295</b> 	110mm	8.5mm	6	67.3mm	47.0mm	88.4mm	133.3mm	<b>330-3130</b>	<b>359-5999</b>
<b>340-4305</b> 	7	13/16	8	2-1/16	1-5/16	4-5/16	8-1/4	<b>330-3107</b>	<b>359-5995</b>
<b>343-4308</b>  	4-1/2	5/16	6	2-5/8	1-7/8	3-1/2	5-1/4	<b>330-3024</b>	<b>NONE</b>
<b>343-4309</b>  	5-1/2	5/16	6	1-13/16	1-1/16	4-9/16	6-3/16	<b>330-3009</b>	<b>359-6100</b>
<b>340-4320</b> 	6-1/4 X 8 UN (M)			2-5/16	1-9/16	5-3/4	6-7/8	<b>330-3077</b>	<b>NONE</b>
<b>343-4342</b>  	5-1/2	5/16	6	2-11/16	1-15/16	4-3/8	6-1/4	<b>330-3009</b>	<b>359-6100</b>
<b>340-4975</b>  	6-1/4 X 8 UN (M)			2-5/16	1-9/16	5-3/4	6-7/8	<b>330-3077</b>	<b>NONE</b>
<b>340-4976</b>  	6-1/4 X 8 UN (M)			2-5/16	1-9/16	5-3/4	6-7/8	<b>330-3077</b>	<b>NONE</b>
<b>340-4977</b> 	6-1/4 X 8 UN (M)			2-5/16	1-9/16	5-3/4	6-7/8	<b>330-3077</b>	<b>NONE</b>
<b>343-5111</b>	3-5/8	5/16	4	2-1/4	1-1/2	2-3/4	4-1/2	<b>330-3040</b>	<b>NONE</b>

-  Cannot be made with pipe plug.
-  Made with pipe plug only.
-  Hub cap can be used with 5-1/2 or 5-9/16 bolt circle with 5/16 inch bolts.
-  Hub cap available with hubco window, order 347-prefix. Also available **347-4342**, which is 4195 hub cap for grease applications, **347-4343** which is 4075 hub cap for grease applications and **347-4278** which is 4009 hub cap for grease applications. Also available with Hubco window when ordered with 347 prefix. See options below.
-  Lexan hub caps, order in multiples of 25.
-  4249 with recessed vent plug.
-  4095 with small vent plug **359-5915**.
-  4009 with small vent plug **359-5915**.
-  4024 with small vent plug.
-  4975 individually boxed.

## Torque Specifications

Hub Cap Mounting Bolts			
3/16	8-10 ft. lbs.	1/2	20-24 ft. lbs.
1/4	8-12 ft. lbs.	3/4	24-28 ft. lbs.
5/16	12-16 ft. lbs.	7/8	26-30 ft. lbs.
3/8	16-20 ft. lbs.	6 MM	8-12 ft. lbs.
7/16	18-22 ft. lbs.	8.5 MM	12-16 ft. lbs.

Threaded Hub Caps	
<b>XXX-4075</b>	100 ft. lbs.
<b>340-4975</b>	50-60 ft. lbs.
<b>340-4976</b>	50-60 ft. lbs.
<b>640-0003</b>	50-60 ft. lbs.

Hubco Window Options		
STEMCO Base Part No.	Grease Cap	Oil Cap
4009	347-4278	347-4009
4075	347-4343	347-4075
4195	347-4342	347-4195

Hub Cap Components		
<b>359-6032</b>	#8 Torx Screw	25 in. lbs. Maximum
<b>359-5984</b>	3/8 Mag Plug	5-9 ft. lbs. Maximum
<b>359-5985</b>	3/8 Pipe Plug	5-9 ft. lbs. Maximum

# Hub Cap Specifications

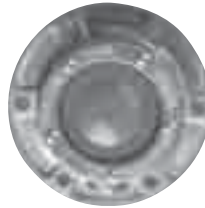
## Sentinel® Hub Caps



STEMCO Base Part No.	Oil Cap	Grease Cap	Bolt Circle	Bolt Size	No. of Bolts	Gasket Number	Oil Window Kit	Grease Window Kit
4009	348-4009	349-4009	5-1/2	5/16	6	330-3009	359-6112	359-6120
4013	348-4013	349-4013	5-1/2	5/16	5	330-3013	359-6112	359-6120
4046	348-4046	349-4046	5-1/2	5/16	6	330-3009	359-6112	359-6120
4075	348-4075	349-4075	6-1/4 x 8 UN(M)			330-3077	359-6112	359-6120
4095	348-4095	349-4095	5-1/2	5/16	6	330-3009	359-6112	359-6120
4195	348-4195	349-4195	6-3/4	5/16	6	330-3118	359-6112	359-6120
4281	348-4281	N/A	5-17/32	3/8	6	330-3122	359-6112	359-6120

Window kit consists of window, gasket, window ring assembly/gasket and Sentinel Cap Cover P/N 359-6103.

## Integrated Sentinel® Hub Cap



STEMCO Base Part No.	Oil Cap	Grease Cap	Bolt Circle	Bolt Size	No. of Bolts	Gasket Number	Oil Window Kit	Grease Window Kit
4009	356-4009	358-4009	5-1/2	5/16	6	330-3009	359-6145	359-6146
4013	356-4013	358-4013	5-1/2	5/16	5	330-3013	359-6145	359-6146
4024	356-4024	358-4024	4-1/2	5/16	6	330-3024	359-6143	359-6144
4025	356-4025	N/A	5-7/8	5/16	6	330-3025	359-6143	359-6144
4046	356-4046	358-4046	5-1/2	5/16	6	330-3009	359-6145	359-6146
4075	356-4075	358-4075	6-1/4 x 8 UN(M)			330-3077	359-6145	359-6146
4080	356-4080	N/A	6	3/8	6	330-3060	359-6143	N/A
4095	356-4095	358-4095	5-1/2	5/16	6	330-3009	359-6145	359-6146
4150	356-4150	358-4150	4-1/2	5/16	5	330-3150	359-6143	359-6144
4195	356-4195	358-4195	6-3/4	5/16	6	330-3118	359-6145	359-6146

## Sentinel® ESP (Extended Service Plug)



STEMCO BASE PART NO.	DESCRIPTION
359-6124	ESP Plug Blister Pack (2/pk)
359-6125	ESP Plugs (bulk pack of 50)

## Sentinel® ESP Filtered Vent



STEMCO BASE PART NO.	DESCRIPTION
359-6137	Drive Axle Vent (3/8" adapter)

# Hub Cap Specifications

## Hub Caps with Sentinel® ESP Plug



350-4065

Sentinel® ESP P/N	Description	Bolt Circle	Bolt Size	No. of Bolts	Gasket P/N
350-4065*	4065 Cap, no side fill plug	3-5/8	5/16	4	330-3040
353-4065*	4065 Cap, with side fill plug	3-5/8	5/16	4	330-3040

\* Cannot use standard 340 or 343-4065 cap with ESP™ Plug. The casting has been modified to accept the ESP™, therefore, the above part numbers must be ordered to use this application with the ESP™ Plug.

## Bulk Pack Hub Caps with Sentinel® ESP Plug

Sentinel® ESP P/N	Description	Bolt Circle	Bolt Size	No. of Bolts	Gasket P/N
300-5009	4009 Cap, no side fill plug Bulk Pack (25/Box)	5-1/2	5/16	6	330-3009
303-5009	4009 Cap, with side fill plug Bulk Pack (25/Box)	5-1/2	5/16	6	330-3009

## PSI Ready Hub Cap



Grease  
Hub Cap  
340 Series

STEMCO Base Part No.	Grease Cap	Oil Cap	Oil Cap with Magnetic Pipe Plug
4009	340-4370	343-4370	343-4374
4075	340-4371	343-4371	343-4375
4195	340-4372	343-4372	343-4376
4384	340-4384	N/A	N/A
Window Kits	359-6141	359-6140	—



Oil  
Hub Cap  
343 Series

Window kit consists of window, gasket and PSI retainer ring/gasket.

## TIREMAAX® HUB CAP



(340/343-4307)  
"N" Series Hub Cap

STEMCO P/N	Application	Bolt Circle Diameter	No. of Bolts	Gasket P/N
340-4307	"N" series "GREASE" hub cap	5 1/2"	6	330-3009
343-4307	"N" series "OIL" hub cap	5 1/2"	6	330-3009
340-4311	"P" series "GREASE" hub cap	6 3/4"	6	330-3118
343-4311	"P" series "OIL" hub cap	6 3/4"	6	330-3118



(340/343-4311)  
"P" Series Hub Cap

## Hubo Bracket for Sentinel® and PSI Hub Caps

STEMCO Part No.	STEMCO Base Part No.	PSI Hub Cap Part No. (Grease)	PSI Hub Cap Part No. (Oil)	Stud Size	Height
610-0084	4195	340-4372	343-4372	5/16	5
610-0028	4009	340-4370	343-4370	5/16	5
610-0090	4075	340-4371	343-4371	*	1 7/8

\*Bracket mounts on top of window ring w/4 replacement screws included w/bracket.

# Hub Cap Specifications

## Popular Hub Cap Options with Bolt Specifications

	STEMCO Base Part Number	Standard Hub Cap, No Side Fill	Dirt Exclusion, Grease	Standard Hub Cap, Side Fill	Standard Hub Cap, Hubo Window	Sentinel® Hub Cap	Sentinel® Hub Cap Grease	Solid Aluminum Grease/Vented	Integrated Sentinel® Oil	Integrated Sentinel® Grease	Bolt Circle	Bolt Size	Number of Bolts
	340	342	343	347	348	349	352	356	358				
4009	X	X	X	X	X	X	X	X	X	5-1/2	5/16	6	
4013	X	X	X	X	X	X		X	X	5-1/2	5/16	5	
4024	X	X	X					X	X	4-1/2	5/16	6	
4046	X		X		X	X		X	X	5-1/2	5/16	6	
4075	X	X	X	X	X	X		X	X	6-1/4 x 8 UN(M)			
4095	X	X	X		X	X	X	X	X	5-1/2 x 5/16			
4195	X	X	X	X	X	X	X	X	X	6-3/4	5/16	6	
4249	X	X	X							5-1/2	5/16	6	
4281					X	X				5-17/32	3/8	6	
4370*	X		X							5-1/2	5/16	6	
4371*	X		X							6-1/4 x 8 UN(M)			
4372*	X		X							6-3/4	5/16	6	

\*PSI Hub Cap

## Hub Cap Crossover

Competitive Part No.	Competitor's Name	STEMCO Part No.	Competitive Part No.	Competitor's Name	STEMCO Part No.	Competitive Part No.	Competitor's Name	STEMCO Part No.
1282	C/R	340-4975	401911P	Mechanex/Barrier	340-4975	DG-6F4.5	Dual Dynamics	340-4024
1612	C/R	343-4024	506085	Eaton	343-4024	DG-6F4.5P	Dual Dynamics	343-4013
1623	C/R	343-4066	506089	Eaton	343-4249	DG-6F4.5PC	Dual Dynamics	343-4024
1627	C/R	343-4019	64002	TriSeal	343-4019	DG-6F4.5S	Dual Dynamics	347-4075
1642	C/R	343-4013	64009	TriSeal	343-4009	DG-6FL	Dual Dynamics	340-4249
1643	C/R	343-4249	64009H	TriSeal	347-4009	DG-6FP	Dual Dynamics	347-4009
1665	C/R	343-4042	64013	TriSeal	343-4013	DG-6FPC	Dual Dynamics	340-4024
1681	C/R	343-4186	64024	TriSeal	343-4024	DG-6P	Dual Dynamics	340-4009
1682	C/R	343-4075	64029	TriSeal	343-4186	DG-6PS	Dual Dynamics	343-4009
1696	C/R	343-4195	64034	TriSeal	343-4034	DG-6PSC	Dual Dynamics	340-4046
1703	C/R	343-4249	64042	TriSeal	343-4042	DG-7.5P	Dual Dynamics	340-4195
1711	C/R	343-4024	64046	TriSeal	343-4046	DG-7.5PS	Dual Dynamics	343-4195
1723	C/R	343-4066	64046	TriSeal	343-4095	DG-P	Dual Dynamics	340-4075
1727	C/R	343-4019	64046	TriSeal	343-4249	DG-PS	Dual Dynamics	343-4075
1742	C/R	343-4013	64066	TriSeal	343-4066	DG-PSC	Dual Dynamics	343-4249
1743	C/R	343-4009	64075A	TriSeal	343-4075	H075	National	343-4075
1743	C/R	343-4046	64075G	TriSeal	342-4075	HS1643	Mechanex/Barrier	343-4249
1743	C/R	343-4095	64075P	TriSeal	340-4975	HU009A	National	343-4009
1753	C/R	343-4249	64249	TriSeal	343-4249	HU009A	National	343-4046
1765	C/R	343-4042	812928	Eaton	343-4095	HU013A	National	343-4013
1770	C/R	343-4034	815214	Eaton	343-4195	HU019A	National	343-4019
1781	C/R	343-4186	821338	Eaton	343-4009	HU024A	National	343-4024
1788	C/R	343-4249	821907	Eaton	343-4009	HU028A	National	343-4186
1800	C/R	347-4009	C40-4009	C/R	340-4009	HU034A	National	343-4034
1801	C/R	347-4013	C40-4009BP	C/R	300-4009	HU042A	National	343-4042
1811	C/R	343-4024	C40-4975	C/R	340-4975	HU066A	National	343-4066
1823	C/R	343-4042	C40-4975BP	C/R	340-4975	HU110A	National	343-4095
1842	C/R	343-4013	C40-5097BP	C/R	340-5097	HU110A	National	343-4249
1843	C/R	343-4009	C43-4009	C/R	343-4009	P411601	Mechanex/Barrier	343-4009
1843	C/R	343-4046	C43-4009BP	C/R	303-4009	P411605	Mechanex/Barrier	343-4095
1843	C/R	343-4095	C43-4013	C/R	343-4013	P411605	Mechanex/Barrier	343-4249
1865	C/R	343-4066	C43-4024	C/R	343-4024	P411608	Mechanex/Barrier	343-4013
1870	C/R	343-4034	C43-4042	C/R	343-4042	P411620	Mechanex/Barrier	343-4066
1890	C/R	343-4249	C43-4075	C/R	343-4075	P411622	Mechanex/Barrier	343-4042
340-009	National	340-4009	C43-4095	C/R	343-4095	P411629	Mechanex/Barrier	343-4186
340-009BK	National	300-4009	C43-4098	C/R	343-4098	P411630	Mechanex/Barrier	343-4024
340-975	National	340-4975	C43-4249	C/R	343-4249	P411640	Mechanex/Barrier	343-4034
340-975BK	National	340-4975	DG-5/6P	Dual Dynamics	340-4013	P411655	Mechanex/Barrier	343-4075
343-009	National	343-4009	DG-5/6PS	Dual Dynamics	343-4013	P411688	Mechanex/Barrier	343-4095
343-009BK	National	303-4009	DG-6F	Dual Dynamics	340-4046	P411967	Mechanex/Barrier	343-4046

# Hub Cap Specifications

## Stamped Steel Grease Hub Caps



340-5094



340-5096



340-5097

Hub Cap Includes Gasket	Bolt Circle	Bolt Size	No. of Bolts	A Height	B Inside Depth	C Flange I.D.	D Flange O.D.	Gasket Number
340-5094	5-1/2	5/16	6	2-1/2	2-13/32	4-3/8	6-1/4	330-3009
340-5096 <input type="checkbox"/>	5-1/2	5/16	6	2-1/2	2-13/32	4-3/8	6-1/4	330-3009
340-5097	5-1/2	5/16	6	2-1/2	2-13/32	4-3/8	6-1/4	330-3009
340-0044 <input type="checkbox"/>	4-1/2	5/16	6	2	1-15/16	3-5/16	5-3/16	330-3024

With Dirt Exclusion vent

Painted black

## Solid Grease Hub Cap/Duckbill Vented

STEMCO Part No.	Bolt Circle	Bolt Size	No. of Bolts	Gasket Number
352-4009	5-1/2	5/16	6	330-3009
352-4195	6-3/4	5/16	6	330-3118
362-4089*	5-1/2	5/16	6	330-3009

\*No Duckbill Vent



352-4195

## Non-Vented Grease Hub Caps

STEMCO P/N	Application	Bolt Circle Diameter	Bolt Size	No. of Bolts	Gasket P/N
340-4321	4009 "N" Series Grease-Trailer	5 1/2"	5/16	6	330-3009
340-4322	4195 "P" Series Grease-Trailer	6 3/4"	5/16	6	330-3118



340-4321

## Dirt Exclusion Grease Hub Caps

Hub Cap Includes Gasket	Bolt Circle	Bolt Size	No. of Bolts	A Height	B Inside Depth	C Flange I.D.	D Flange O.D.	Gasket Number	Window Kit*
342-4009	5-1/2	5/16	6	2-11/16	1-15/16	4-3/8	6-1/4	330-3009	359-6095
342-4013	5-1/2	5/16	5	2-11/16	1-15/16	4-3/8	6-1/4	330-3013	359-6095
342-4024	4-1/2	5/16	6	2-5/8	1-7/8	3-1/2	5-1/4	330-3024	359-6094
342-4075	6-1/4 x 8 UN(M)			2-5/16	1-9/16	5-3/4	6-7/8	330-3077	359-6095
342-4095	5-1/2	5/16	6	1-13/16	1-1/6	4-9/16	6-3/16	330-3009	359-6095
342-4195	6-3/4	5/16	6	3-11/16	2-15/16	5-7/16	7-1/2	330-3118	359-6095
342-4249	5-1/2	5/16	6	1-13/16	1-11/16	4-7/16	6-3/16	330-3122	359-6096



\* Window Kit consists of window, gasket and window ring gasket.

# Hub Cap Specifications

## 4075 Hub Cap Variations



340-4075



570-7008



340-4975

Application	Part Number	Description
Oil	340-4975	Clear polycarbonate hub cap
Oil	343-4075	Cast aluminum hub cap with side fill plug
Oil	343-4371	Cast aluminum hub cap with PSI face & side fill plug
Oil	347-4075	Cast aluminum hub cap with hubo window and side fill plug
Oil	348-4075	Cast aluminum hub cap with Sentinel® Technology & side fill plug
Oil	353-4075	Cast aluminum hub cap with Sentinel® ESP plug & side fill plug
Oil	356-4075	Integrated Sentinel®
Grease/Oil	340-4075	Cast aluminum hub cap & no side fill plug
Grease	342-4075	Cast aluminum hub cap with dirt exclusion window
Grease	340-4320	Solid cast aluminum hub cap & no side fill plug
Grease	340-4371	Cast aluminum hub cap with PSI face & no side fill plug
Grease	340-4976	Clear polycarbonate hub cap with solid face—no vent
Grease	347-4343	Cast aluminum hub cap with hubo window and no side fill plug
Grease	349-4075	Cast aluminum hub cap with Sentinel® Technology & no side fill plug
Grease	350-4075	Cast aluminum hub cap with Sentinel® ESP & no side fill plug
Grease	358-4075	Integrated Sentinel®

Screw-on Caps must have O-rings (330-3077).  
Use 570-7008 tool to tighten pro-par hub caps.

## Hubodometer® Hub Caps

Hub Cap Includes Gasket	Gasket Part No.	Bolt Circle Diameter	Number Of Holes	Bolt Diameter	Aluminum Equivalent
640-0001*	641-0005	5-1/2	6	5/16	347-4009
640-0002*	641-0017	5-1/2	5	5/16	347-4013
640-0003*	330-3077	6-1/4 x 8 UN(M)			347-4075

\* Vented



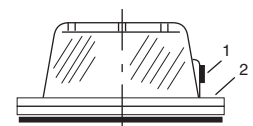
640-0001



640-0003

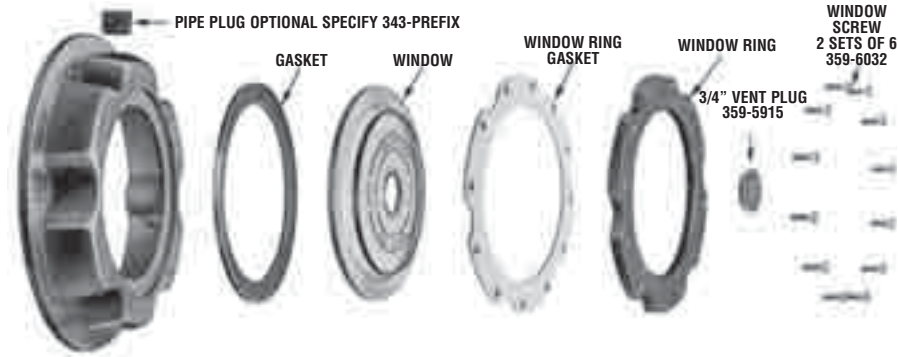
## Accessories

Description	Part No.
1-Pipe plug with O-ring	641-0001
2-Supporting hub cap flange 6 hole	641-0003

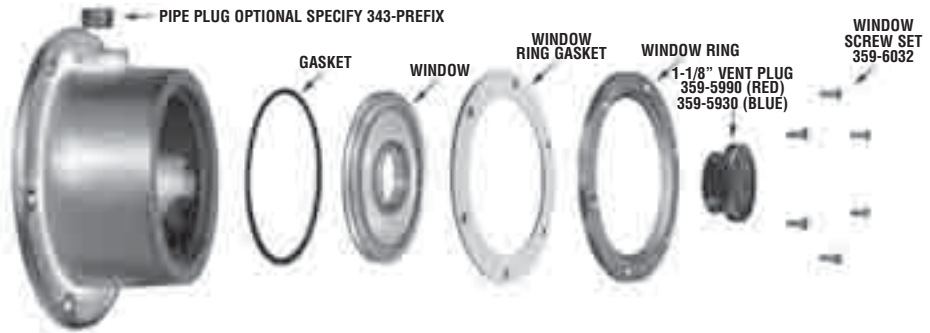


# Hub Cap Specifications

## Typical 4-3/8" Window Component Parts



## Typical 2-3/4" & 3-1/2" Window Component Parts



## Standard Hub Cap Replacement Components

Window Diameter	Window	Gasket	Window Ring	Window Ring Gasket	Vent Plug	Screw Set 6/Set	Window Kit ☐	3/8 Pipe Plug ☐
2-3/4"	359-5983	359-5996	359-5997 ☐	359-3136	359-5990 ☐	359-6032	359-5999	359-5985
3-1/2"	359-5994	359-5991	359-5992	359-3127	359-5990 ☐	359-6032	359-5995	359-5985
3-1/2"	359-5981 ☐	359-5991	359-5992	359-3127	None	359-6032	359-6117	359-5985
4-3/8"	359-5918	359-5968	359-5970	359-3137	359-5915	359-6032 ☐	359-5912	359-5985
3-1/2"	359-6049 ☐	359-5991	359-5992	359-3127	359-5915	359-6032	359-6100 ☐	359-5985

☐ Window kit consists of window, gasket, window ring gasket and vent plug.

☐ Magnetic pipe plug part number 359-5984.

☐ 5 hole window ring.

☐ Blue vent plug part number 359-5930.

☐ Window for mounting Argo, STEMCO, and Veeder-Root hubodometers (17/32" dia. hole). Be sure hub cap has pipe plug filler before mounting.

☐ Window with recessed vent plug.

☐ Two sets required.

## Dirt Exclusion Grease Hub Cap Replacement Components

Window Diameter	Window	Gasket	Window Ring	Window Ring Gasket	Screw Set 6/Set	Window Kit
2-3/4"	359-6086	359-5996	359-5997	359-3136	359-6032	359-6094
3-1/2"	359-6087	359-5991	359-5992	359-3127	359-6032	359-6095
4-3/8"	359-6088	359-5968	359-5970	359-3137	359-6032 ☐	359-6096

☐ Two sets required.

## Sentinel® Hub Cap Replacement Components

Window Diameter	Window Kit ☐	Gasket	Window Ring Gasket	Screw Set 6/Set	Magnetic Pipe Plug
3-1/2"	359-6112 ☐	359-5991	359-3127	359-6032	359-5984
3-1/2"	359-6120 ☐☐	359-5991	359-3127	359-6032	359-5984

☐ Window kit consists of window, gasket, window ring with gasket and Sentinel® red cap cover part number 359-6103.

☐ Window kit for oil application.

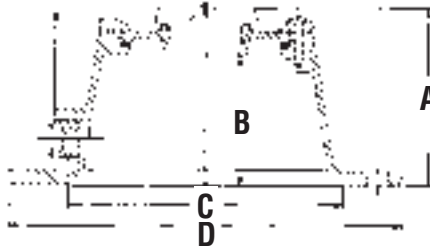
☐☐ Window kit for grease application.



# Hub Cap Specifications

## Blank Hub Caps

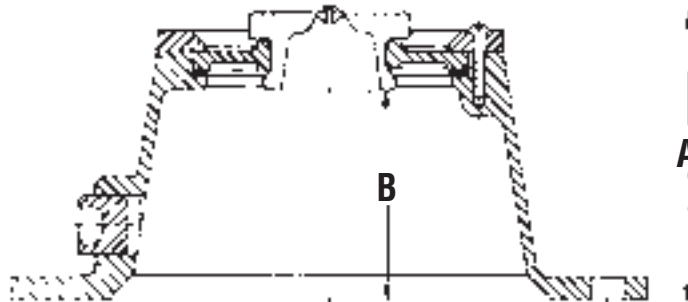
IF PIPE PLUG IS  
REQUIRED USE  
PREFIX 343-



Hub Cap Includes Gasket	Bolt Circle	Bolt Size	No. of Bolts	A Height	B Inside Depth	C Flange I.D.	D Flange O.D.	Gasket Number
340-4054	None	Blank	None	2-1/8	1-3/8	4-1/32	8-5/8	330-3017

## Hub Cap Interchange

This STEMCO hub cap interchange is arranged with hub caps in descending inside depth so that a cap can be replaced by any cap above it within its bolt circle group and without fear of spindle interference.



### 5" Bolt Circle with Four 1/4" Mounting Bolts

Cap No.	Inside (B)	Outside (A)
340-4028	2-3/8"	3-1/8"

### 5-9/16" Bolt Circle with Three 5/16" Mounting Bolts

Cap No.	Inside (B)	Outside (A)
340-4049	2-1/8"	2-7/8"

### 5-1/8" Bolt Circle with Six 5/16" Mounting Bolts

Cap No.	Inside (B)	Outside (A)
340-4066	2-1/8"	2-7/8"
340-4042	1-1/8"	1-7/8"

### 5-9/16" Bolt Circle with Six 5/16" Mounting Bolts

Cap No.	Inside (B)	Outside (A)
340-4149	2-1/8"	2-7/8"
340-4249*	1-11/16"	1-13/16"

### 5-1/2" Bolt Circle with Six 5/16" Mounting Bolts

Cap No.	Inside (B)	Outside (A)
340-4009	1-15/16"	2-11/16"
340-4249*	1-11/16"	1-13/16"
340-4046	1-9/16"	2-5/16"
340-4281*	1-9/16"	2-5/16"
340-4098	1-1/8"	1-1/4"
340-4095	1-1/16"	1-13/16"

### 5-7/8" Bolt Circle with Six 5/16" Mounting Bolts

Cap No.	Inside (B)	Outside (A)
340-4036	1-5/8"	2-3/8"
340-4092	1-7/16"	1-5/8"
343-4025	5/8"	1-3/8"

Note: STEMCO does not recommend vehicle widths.

\* Hub cap fits both 5-1/2 and 5-9/16 bolt circle with six 5/16" mounting bolts.

# Flange Gasket Specifications

## Drive Axle Flange Gasket Dimensions

Type  
1  
8 Hole

Type  
2  
12 Hole

STEMCO Gasket No.	Type	I.D.	O.D.	Bolt Circle	Bolt Size	No. of Bolts
330-3036	1	5-1/2"	8-5/8"	7"	3/4"	8
330-3105	2	5-11/16"	7-7/16"	6-1/2"	1/2"	12
330-3106	1	6"	8-1/4"	7"	5/8"	8
330-3107	1	5-5/8"	8-1/2"	7"	3/4"	8
330-3108	1	4"	5-9/16"	4-3/4"	7/16"	8
330-3109	1	4-1/2"	6-1/8"	5-5/16"	1/2"	8
330-3110	1	5-3/8"	7-3/8"	6-3/8"	9/16"	8
330-3111	1	5-3/4"	8-3/8"	7"	5/8"	8
330-3112	1	4"	6-7/16"	5-1/2"	5/8"	8
330-3113	2	4-1/2"	6-1/16"	5-1/4"	1/2"	12
330-3114	2	5"	6-1/2"	5-11/16"	7/16"	12
330-3115	2	4-1/4"	6-1/8"	5-1/4"	1/2"	12

## Drive Axle Flange Gasket Applications

STEMCO Part No.	Same As	Part No.	Application
330-3036	--	--	Eaton 38,000# tandem. IHC-RA355.
330-3105	Euclid Meritor White	E 2340 2208Z416 476375	All Meritor Standard Q wheel ends except some SQHP.
330-3106	Euclid Meritor	E 2341 2208W412	All Meritor Standard R wheel ends.
330-3107	Euclid Meritor	E 2431 2208X440	All E18, E19, E38D & 44D series.
330-3108	Euclid	E 2432	Eaton 15 series.
330-3109	Euclid	E 2433	Eaton 30000# Tandem Meritor Standard SFHD & H wheel ends Eaton 17000# singles.
330-3110	Euclid	E 2434	Mack 38000# Tandem axles.
330-3111	Euclid Meritor Kenworth White	E 2435 2208W413 K134 - 171 453157	All Meritor Standard R wheel ends, STD series, SUD series, U wheel ends, SFD 4600, SQHP, SQ100, SQ100P, 4640 Eaton.
330-3112	Euclid	E 2436	IHC 34000# - RA 351 axles.
330-3113	Euclid	E 2437	Meritor Standard L-172 Eaton 18 series and 34D.
330-3114	Euclid Meritor White	E 2438 2208Z422 467836	Meritor Standard L wheel ends except L-172, SJHD, SLHD.
330-3115	G.M.C.	236Z158	Fits 1965 - 1974 G.M.C. - Chev. 18000# Single or 34000# Tandem Eaton 14569.

# PROGRAMMABLE FOR ANY TIRE SIZE



DataTrac® Pro  
Shown Actual Size

Program over 2500 specific tire models and sizes ensuring customer gets reliable mileage information.



### Always Have The Part Number

Stock only one part number with the programmable DataTrac® Pro and program the customer's specific requirement for any tire. With DataTrac® Pro you can also pre-set your own mileage and eliminate lead-time and pre-set charges.

### Schedule Maintenance

The DataTrac® Pro is an indispensable tool for scheduling maintenance based on actual mileage rather than time.

### Large, Easy-to-Read LCD Display

The display makes data retrieval simple and accurate. Optional flexibility of trip and life readings for precise data collection and management. Numbers automatically position upright for easy verification of mileage.

### Compact Size

The compact size makes it easy to mount and dismount tires without removing the DataTrac® Pro from the wheel.

### No Moving Parts

Provides improved reliability and durability for the most demanding vocational applications. Each unit is marked with a unique serial number providing additional security and data control.

# DATA TRAC® PRO

## AN INDISPENSABLE TOOL FOR...

- Scheduling maintenance
- Validating guarantees
- Determining lease charges
- Calculating costs-per-mile



Tire Make	Tire Model	Tire Size	STEMCO Mechanical Hubo Miles / KM	Veeder-root P/N miles / KM	DataTrac® Pro Miles/KM	*DataTrac® Pro REV - Mile/KM
Bridgestone	M726	11R22.5	650-0598/ 650-0537	777717-494/ 777727-306	600-5499/ 600-4310	499 / 310
Bridgestone	M726	11R24.5	650-0584/ 650-0528	777717-475/ 777727-294	600-5476/ 600-4296	476 / 296
Bridgestone	M726	255/70R22.5	650-0622/ 650-0549	777717-572/ 777727-350	600-5564/ 600-4351	564 / 351
Bridgestone	M726	285/75R24.5	650-0595/ 650-0537	777717-494/ 777727-306	600-5499/ 600-4310	499 / 310
Bridgestone	M726	295/75R22.5	650-0605/ 650-0541	777717-510/ 777727-316	600-5514/ 600-4320	514 / 320
Bridgestone	R194	11R22.5	650-0605/ 650-0541	777717-514/ 777727-316	600-5513/ 600-4319	513 / 319
Bridgestone	R194	11R24.5	650-0593/ 650-0534	777717-490/ 777727-306	600-5489/ 600-4304	489 / 304
Bridgestone	R194	255/70R22.5	650-0627/ 650-0552	777717-572/ 777727-359	600-5580/ 600-4361	580 / 361
Bridgestone	R194	285/75R24.5	650-0605/ 650-0541	777717-514/ 777727-316	600-5513/ 600-4319	513 / 319
Bridgestone	R194	295/75R22.5	650-0612/ 650-0545	777717-525/ 777727-326	600-5529/ 600-4328	529 / 328
GoodYear	G104	255/70R22.5	650-0627/ 650-0552	777717-572/ 777727-359	600-5579/ 600-4360	579 / 360
GoodYear	G124	11R22.5	650-0601/ 650-0537	777717-500/ 777727-310	600-5505/ 600-4314	505 / 314
GoodYear	G124	255/70R22.5	650-0626/ 650-0549	777717-572/ 777727-359	600-5572/ 600-4356	572 / 356
GoodYear	G167	11R22.5	650-0598/ 650-0537	777717-500/ 777727-310	600-5501/ 600-4311	501 / 311
GoodYear	G167	295/75R22.5	650-0605/ 650-0541	777717-514/ 777727-326	600-5515/ 600-4320	515 / 320
GoodYear	G314	11R22.5	650-0605/ 650-0541	777717-510/ 777727-312	600-5512/ 600-4318	512 / 318
GoodYear	G314	11R24.5	650-0593/ 650-0534	777717-484/ 777727-300	600-5488/ 600-4303	488 / 303
GoodYear	G314	285/75R24.5	650-0605/ 650-0541	777717-510/ 777727-316	600-5514/ 600-4320	514 / 320
GoodYear	G314	295/75R22.5	650-0613/ 650-0545	777717-520/ 777727-326	600-5529/ 600-4328	529 / 328
GoodYear	G362	11R24.5	650-0584/ 650-0528	777717-475/ 777727-300	600-5478/ 600-4297	478 / 297
GoodYear	G362	285/75R24.5	650-0598/ 650-0537	777717-500/ 777727-310	600-5501/ 600-4311	501 / 311
GoodYear	G362	295/75R22.5	650-0605/ 650-0541	777717-514/ 777727-326	600-5515/ 600-4320	515 / 320
GoodYear	G372	11R24.5	650-0584/ 650-0528	777717-475/ 777727-297	600-5476/ 600-4296	476 / 296
GoodYear	G372	285/75R24.5	650-0598/ 650-0537	777717-494/ 777727-310	600-5497/ 600-4309	497 / 309
GoodYear	G372	295/75R22.5	650-0605/ 650-0541	777717-510/ 777727-316	600-5512/ 600-4318	512 / 318
Michelin	XDA2	11R22.5	650-0598/ 650-0537	777717-500/ 777727-310	600-5502/ 600-4312	502 / 312
Michelin	XDA2	11R24.5	650-0587/ 650-0528	777717-475/ 777727-294	600-5480/ 600-4298	480 / 298
Michelin	XDA2	255/70R22.5	650-0625/ 650-0549	777717-572/ 777727-350	600-5566/ 600-4352	566 / 352
Michelin	XDA2	275/80R22.5	650-0605/ 650-0541	777717-510/ 777727-326	600-5519/ 600-4323	519 / 323
Michelin	XDA2	275/80R24.5	650-0598/ 650-0537	777717-500/ 777727-310	600-5502/ 600-4312	502 / 312
Michelin	XZA2	11R22.5	650-0601/ 650-0539	777717-510/ 777727-316	600-5510/ 600-4317	510 / 317
Michelin	XZA2	11R24.5	650-0591/ 650-0532	777717-484/ 777727-300	600-5485/ 600-4302	485 / 302
Michelin	XZA2	275/80R22.5	650-0610/ 650-0545	777717-520/ 777727-326	600-5526/ 600-4327	526 / 327
Michelin	XZA2	275/80R24.5	650-0601/ 650-0539	777717-510/ 777727-316	600-5509/ 600-4316	509 / 316
Michelin	XZE	255/70R22.5	650-0626/ 650-0549	777717-572/ 777727-359	600-5574/ 600-4357	574 / 357

## Order Yours Today!

Product	Part No.
DataTrac® Pro	600-9999
Programmer	801-6000

### Calibration and Installation

STEMCO calibrations are based at the mid-life of the tire tread [not the depth of new tire tread], one more reason we can guarantee +/-2% accuracy over the life of the tire.

For proper calibration, all you need to know is the tire make, model and size. Refer to the chart for some of the most popular tires.

Hub caps, hub cap mounts, and universal brackets are available for all popular makes and models. For quick and easy installation, use any of three different options: [1] aluminum hub cap with hubo window, [2] grilamid Hubodometer hub cap or [3] bracket.

### Warranty

STEMCO DataTrac® Pro is warranted for 500,000 miles or 4 years, when installed in accordance with its specifications.

STEMCO LP - USA  
P.O. Box 1989 · Longview, TX 75606-1989  
(903) 758-9981 · 1-800-527-8492 · FAX: 1-800-874-4297  
www.stemco.com

STEMCO - Canada  
5900 Ambler Drive, Units 4 & 5 · Mississauga, ON L4W 2N3  
(905) 206-9922 · 877-232-9111 · FAX: 877-244-4555

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Hudson 10-597 · 10/08



\* Indicates the Revolutions per mile or Kilometer used to program the DataTrac® Pro from the Program Part screen.

\* If you have a DataTrac® p/n 600-1xxx for miles and 600-0xxx for kilometers, the unit contains trip. Follow conversion from DataTrac® in the table above.

\* Mechanical hubodometers are designated for use in a "range" of RPM or RPK, not a "specific" RPM or RPK. For "exact" Revolutions use DataTrac® Pro.

# RELIABLE MILEAGE INFORMATION WITH GUARANTEED ACCURACY

## HUBODOMETER®

STEMCO's drive-less Hubodometer® offers road-proven accuracy backed by a 500,000 mile warranty.



### **An Indispensable Tool**

The STEMCO Hubodometer® is an indispensable tool for scheduling maintenance, determining lease charges, validating guarantees, and calculating costs per mile.

### **Reliable Mileage Information**

Hubodometers® are calibrated to perform on over 2,500 specific tire models and sizes to further ensure reliable mileage information.

### **Spring-loaded Counterweight**

Virtually eliminates spin when tires hit bumps and potholes, your assurance of greater accuracy.

### **Preset Your Hubodometer®**

STEMCO will preset your Hubodometer® with the mileage data you require for a nominal charge. Allow 3 days for shipping.

### **500,000 Mile Warranty**

Guaranteed over-life-of-tire accuracy backed by 500,000 mile warranty

# HUBODOMETER®

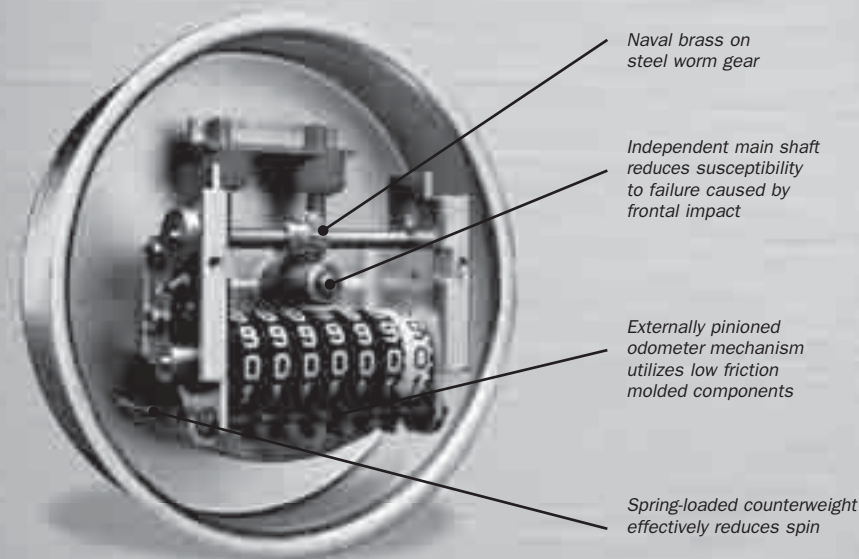
## GUARANTEED ACCURACY

**STEMCO®**  
A Higher Standard of Performance.™  
an EnPro Industries company

### CONSTRUCTION AND DESIGN

- Main shaft is independent of front cover, greatly reducing failure caused by frontal impact.
- Unit is sealed for added durability in a moisture-controlled environment of polycarbonate and steel.
- Externally pinioned odometer mechanism utilizes low-friction molded components. These features, plus nine permanently lubricated bronze bearings, eliminate wear and ensure long life.
- Worm drive rotates parts less frequently, reducing wear.
- Rugged construction. Naval brass on steel. No plastic drive components.

### SUPERIOR DESIGN GUARANTEES ±2% ACCURACY



### CALIBRATION AND INSTALLATION

To ensure accurate calibration, we've worked with the engineering staffs of all major tire manufacturers. We have compiled fleet data on more than 2,500 tire models and sizes.

In addition, STEMCO calibrations are based at the mid-life of tire tread (not the depth of new tire tread), one more reason we can guarantee ±2% accuracy over the life of the tire.

For proper calibration of any STEMCO Hubodometer®, all you need to know is tire make, model and size. With this information and our Tire Classification catalog (which includes radials and low-profile tires), you can quickly determine the part number for the correct Hubodometer®.

STEMCO offers a pre-set Hubodometer® program at a nominal cost. Pre-set orders are shipped within 3 working days from the Longview, Texas warehouse. For more information, contact STEMCO Customer Service.

For a FREE catalog, call STEMCO at 1-800-527-8492 or your local STEMCO distributor.

Hub caps, hub cap mounts and universal brackets are available for all popular makes and models. For quick and easy installation, use any of three different options: (1) aluminum hub cap with hubo window, (2) grilamid Hubodometer® hub cap or (3) bracket.

### WARRANTY

The STEMCO Hubodometer® is warranted for 500,000 miles when installed in accordance with its specifications. See your STEMCO distributor for details.



347-Series

Aluminum Hub cap with Hubo Window



640-Series

Grilamid Hubodometer® Hub Cap



610-Series

Bracket Installation

STEMCO - USA  
P.O. Box 1989 · Longview, TX 75606-1989  
(903) 758-9981 · 1-800-527-8492 · FAX: 1-800-874-4297  
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TOTAL QUALITY MAINTENANCE™

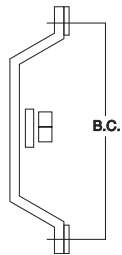
# Hubodometer® Specifications

## Popular Hubodometers® (in popularity order)



Part Number	RPM	Blank Tenths Part Number	Part Number	RPKM
650-0610	522	650-0611	650-0537	310
650-0598	500	650-0600	650-0532	300
650-0613	532	650-0614	650-0539	315
650-0601	504	650-0602	650-0545	324
650-0605	513	650-0606	650-0541	320
650-0587	480	650-0588	650-0549	357

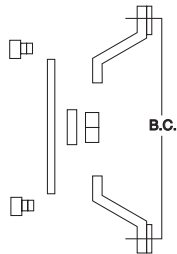
## Hubodometer® Brackets



Style A



Style C



Universal Mount

Part Number	Bolt Circle	Stud Size	Height	Part Number	Style
6100001	5 1/4	1/2	1 11/16		A
6100002	5 1/2	5/8	1 11/16		A
6100003	6 3/8 – 6 1/2	1/2 – 9/16	1 11/16		A
6100005	7 1/4	9/16	1 11/16		A
6100006	7	5/8	1 11/16		A
6100007	7	5/8	1 11/16		A
6100008	7 1/2	5/8	1 9/16		A
6100009	7 1/2	5/8	3 11/16		A
6100010	8 5/8	5/8	5 7/16	Mack Mount	A
6100011	5 1/2 – 7 1/2	1/2	1 3/4	Universal Truck Mount	
6100013	5 1/2	7/16	1/4		A
6100014	7 5/8	5/8	4 3/8		A
6100015	2 1/2 – 6 1/2	9/16	1 1/8	Car Mount (5 Stud)	C
6100016	2 1/2 – 6 1/2	5/16 .343	1 1/8	Universal Truck Mount (5 Stud)	C
6100017	5 7/32	5/8	1 11/16		A
6100022	3 9/16	1/2	1/2	Strap and Lock Assembly	
6100023	3 15/16	1/2	1		A
6100024	5 1/2	5/16 – 18 thd	4 1/2	Hardware for Berg Cap	
6100025	4 1/2 – 9	3/16	1 11/16	TMK-90 Truck Mount	
6100028	5 1/2	5/16	5	Sentinel and PSI Caps – 3 Leg	
6100029	6 3/4	5/16	6	Sentinel, PSI, AirGo Caps – 3 Leg	
6100032	7 1/4	9/16	1 1/2		A
6100058	6 1/2	1/2	4 1/2		A
6100059	4	9/16	1 1/2	For Golf Carts	A
6100065	5 1/2	5/16	3 1/2	<b>Fits 4009 Hubcap</b>	A
6100066	6 1/2	5/8	5 1/4		A
6100079	7 1/4	3/4	1 11/16		A
6100084	6 3/4	5/16	5	Sentinel and PSI Caps – 3 Leg, f/4195	
6100090	N/A	N/A	N/A	Mounts on Top of Window Ring	
6100093	262 mm (10.31")	M10	N/A	Meritor Planetary Axle-DTrac Only	
6100094	246 mm (9.70")	M10	N/A	MAN Planetary Axle-DTrac Only	
6410023	N/A	N/A	N/A	Refurb Kit f/MAN Bracket	

## Hubodometer® Hub Caps - For Trailer Installations



640-0001



640-0003

Hub cap Includes Gasket	Gasket Part No.	Bolt Circle Diameter	Number of Holes	Bolt Diameter	Aluminum Equivalent
640-0001*	641-0005	5-1/2	6	5/16	347-4009
640-0002*	641-0017	5-1/2	5	5/16	347-4013
640-0003*	330-3077	6-1/4 x 8 UN(M)			347-4075

\* Vented

For additional Hubodometer® information, refer to [www.stemco.com](http://www.stemco.com).

# STEMCO® Moisture Ejector

Seal Sets  
Seal Section

Installation  
Tools

Component  
Specs

Pro-Torq®

Long-Life  
Systems

Engineering  
Changes

Cross  
Reference

Installation  
Instructions

## Moisture Ejector

### Automatically Eliminates Air System Sludge



*The STEMCO Moisture Ejector provides a proven, inexpensive way to help assure the constant removal of oil, carbon, dirt, sludge and water from the air system.*

#### Features and Benefits

☞ **The Moisture Ejector Operates Continuously.** One-second blasts of air occur every time the air compressor governor cuts in and out. These high pressure blasts can powerfully eject over 3 oz. of water, oil and solid contaminants. Over and over, water and other contaminants are purged from the air system.

☞ **Reliable Operation.** In addition to automatic activation, your STEMCO Moisture Ejector can perform reliably for up to five years. Long after some moisture removal systems clog up or lose efficiency.

☞ **Available with Built-in Heater. Excellent for Use on Any Wet Tank.** Use the STEMCO Moisture Ejector on maintenance shop compressor systems, off-highway vehicles, oil field equipment and industrial compressor systems.



*A Higher Standard of Performance.™*

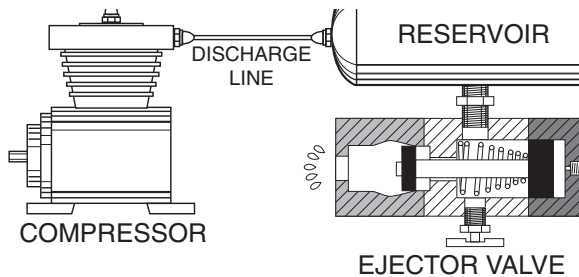


## Moisture Ejector

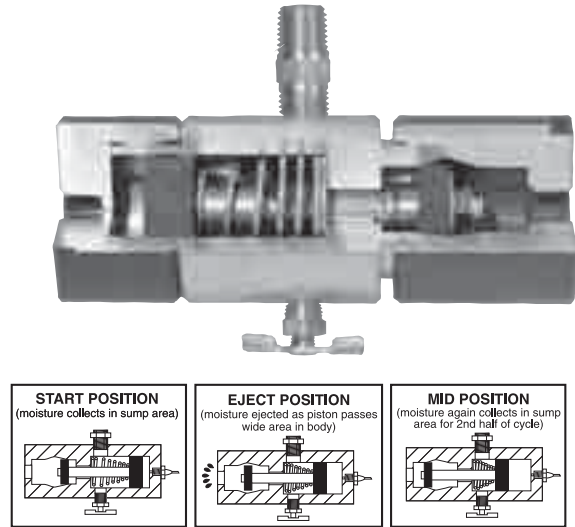
*Eliminates Daily Chore of Purging Moisture from the Wet Tank*

### How the Product Operates

1. The STEMCO Moisture Ejector is connected at the air tank drain with a special 1/4" N.P.T. nipple which is included with ejector.
2. The actuating end connects to the governor unloader port or brake actuating line.
3. The STEMCO Moisture Ejector operates automatically each time the air compressor "cuts in" and "cuts out" when connected to the governor unloader port.
  - A. Air tank pressure furnishes ejection power.
  - B. Up to three ounces (or 5.42 cubic inches) of liquid material can be ejected each time the ejector operates.
  - C. The powerful valve action also ejects foreign matter, carbon compounds, and alkali scales which form in air systems.



PART NO.	DESCRIPTION
<b>STEMCO MOISTURE EJECTOR</b>	
900-1062	Ejector w/Threaded End Cap
900-1063	Ejector w/12V Heater & Threaded End Caps
900-1066	Ejector w/24V Heater & Threaded End Caps
900-1067	Replacement 12V Heater Element
900-1068	Replacement 24V Heater Element
900-1069	Special-Mounting Nipple (1/4" N.P.T.)
900-1080	Ejector Rebuild Kit



### Simple Installation

The STEMCO Moisture Ejector is most commonly installed at the wet or primary reservoir drain port. Remove manual drain valve and install STEMCO Moisture Ejector with special 1/4" N.T.P. nipple which is included with the valve. Recommended actuator line is 1/4" O.D. tubing which connects from the actuating port of the STEMCO Moisture Ejector to the unloader port of the governor.

**DO NOT** remove the threaded nipple supplied with the ejector or change the diameter of the orifice in the actuating end of the unit. The double acting ejector is "balanced" and must have the special nipple and proper orifice size to function properly.

**Heated Unit** models 900-1063 and 900-1066 have either a 60-watt, 12-volt or 24-volt self-limiting heater element embedded in the body of the ejector. One wire (either one) should be connected to the "hot" side of the ignition and the other wire grounded.

### Preventive Maintenance

To assure proper operation and long life of your STEMCO Moisture Ejector, the compartment on the blue actuating end of the unit should be cleaned out at least once in the fall of the year.

This is accomplished by simply removing the actuating air line fitting (blue end) and "blowing-out" with an air hose and nozzle or removing the blue actuating end cap and wiping it out.



# STEMCO®

# AXLE NUTS

# ADVANCED AXLE SPINDLE NUTS

## PRO-TORQ®



### Longer Tread Life

Fleets save tires, wheels track truer. PRO-TORQ® controls axial motion, holding bearing end play near zero while maintaining exact cup and cone alignment on the spindle. This is good news for radial tires. PRO-TORQ® delivers the adjustment precision which experts agree is needed to maximize radial tire life.

### Extended Wheel Seal and Bearing Service

PRO-TORQ® supports seal, bearing and axle manufacturers' specifications. With PRO-TORQ's® tight control on wheel bearing adjustment, fleets minimize premature seal failure and improve extended seal and brake lining programs. PRO-TORQ® compensates for normal bearing wear, permitting precise .001" back-off increments at scheduled preventative maintenance intervals. This keeps bearings properly aligned, running cooler and lasting longer.

### Improves ABS

PRO-TORQ's® reliable low end play bearing adjustment and axial motion control helps assure accurate wheel end sensor monitoring of wheel speeds on antilock braking systems.



**STEMCO®**

*A Higher Standard of Performance.™*  
an EnPro Industries company

# PRO-TORQ®

## Advanced Axle Spindle Nuts



A Higher Standard of Performance.™

an EnPro Industries company

SPINDLE NUT APPLICATIONS	REPLACEMENT KEEPER PART NUMBER	THREAD SIZE	OUTER BEARING CONE/CUP	TOOL SOCKET
--------------------------	--------------------------------	-------------	------------------------	-------------

### TRAILER AXLE

<b>STEMCO No. 447-4723</b> Fruehauf Pro-par, Meritor TP *Axle date code post January 1, 2006	450-4723 TANG	3.480"-12	HM518445/ HM518410	4 13/16"- 8 point (OTC# 1941)
<b>STEMCO No. 447-4724</b> 22,500#-23,000# Eaton, EST 230-P, EST 225-P, P-22	450-4723 TANG	3 1/2"-12	HM518445/ HM518410	4 13/16"- 8 point (OTC# 1941)
<b>STEMCO No. 447-4743</b> 17,000#-22,500# Meritor, Dana, Eaton, Std Forge, Ingersoll	450-4743 TANG	2 5/8"-16	HM212049/ HM212011	3 3/4"- 8 point (OTC# 1925)
<b>STEMCO No. 449-4973</b> Dana Est-230-P, *P22 Axles or TQ *Axle date code prior to January 1, 2006	450-4973 TANG	3 1/4"-12	HM518445/ HM518410	4 3/8"- 8 point (OTC# 1917)

### STEER AXLE

<b>STEMCO No. 448-4836</b> 12,000# Meritor, Navistar	450-4836 D-FLAT	1 1/2"-12	3782/3720	2 1/2"- 6 point (OTC# 1921)
<b>STEMCO No. 448-4837</b> 12,000# Eaton, Ford, Meritor	450-4837 TANG	1 1/2"-18	3782/3720	2 1/2"- 6 point (OTC# 1921)
<b>STEMCO No. 448-4838</b> Meritor	450-4837 TANG	1 1/2"-12	3782/3720	2 1/2"- 6 point (OTC# 1921)
<b>STEMCO No. 448-4839</b> 12,000#, 14,300# Mack	450-4839 D-FLAT	1 5/8"-12	45280/45220	2 5/8"- 6 point (OTC# 1922)
<b>STEMCO No. 448-4840</b> Steer Spindle	450-4836 D-FLAT	1 1/2"-18	3782/3720	2 1/2"-6 point (OTC# 1921)
<b>STEMCO No. 448-4863</b> ArvinMeritor® FH Axle 16,500# GAW	450-4863 D-FLAT	2 1/4"-12	N/A	3 1/2"- 6 point (OTC# 1910)
<b>STEMCO No. 448-4864</b> 18,000#, 20,000# Mack	450-4864 D-FLAT	2"-12	555S/552A	3"- 6 point (OTC# 1906)
<b>STEMCO No. 448-4865</b> Meritor FL Series	450-4865 D-FLAT	1 3/4"-12	555S/552A 3720/3979	3"- 6 point (OTC# 1906)

### DRIVE AXLE

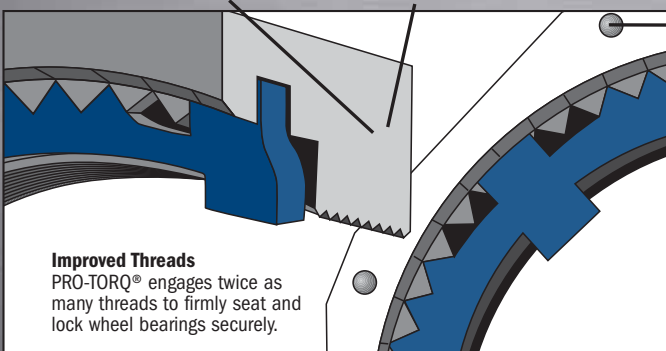
<b>STEMCO No. 449-4904</b> 34,000#, 38,000#, 44,000# Mack	450-4904 TANG	2 7/8"-12	47679/47620 575/572 567/563	4 1/8"- 6 point (OTC# 1915)
<b>STEMCO No. 449-4973</b> 34,000#-46,000# Eaton, Meritor, Dana, Navistar, 50,000# Mack	450-4973 TANG	3 1/4"-12	580/572	4 3/8"- 8 point (OTC# 1917)
<b>STEMCO No. 449-4974</b> Meritor, Eaton, Ford, Navistar	450-4743 TANG	2 5/8"-12	3984/3920 39590/39520	3 3/4"- 8 point (OTC# 1925)
<b>STEMCO No. 449-4975</b> 19,000# Dana, Navistar, Bluebird	450-4975 TANG	2 5/8"-12	3984/3920 39590/39520	3 3/4"- 8 point (OTC# 1925)

#### Good Wear Resistance

Bearing contact surface is induction hardened. No washers required.

#### Flat Contact Surface

Improves wheel bearing cup and cone alignment.



#### Improved Threads

PRO-TORQ® engages twice as many threads to firmly seat and lock wheel bearings securely.

#### Highly Visible Adjustment Marks

Give mechanics precise control of nut backoff amount during installation.

#### Infinite Locking Positions

Nut and spring steel keeper mate and lock at any point on the axle spindle in .001" axial increments.

### Cost Saving Installation

For more than 10 years, leading fleets have chosen PRO-TORQ® to deliver the longer service life they expect from today's tires, wheel seals and bearings. PRO-TORQ® minimizes variability in wheel bearing adjustment, which means extended maintenance intervals and trouble-free performance from steer, drive and trailer axle wheel ends.

### Tight Control on Bearing Adjustment

PRO-TORQ® gives fleets the ability to standardize wheel end maintenance practices and makes repeatable, close tolerance bearing adjustment a reality. From mechanic to mechanic, PRO-TORQ® single nut systems and adjustment procedure will consistently secure the nut with wheel bearing adjustment accuracy in the range of .001-.003" end play.

PRO-TORQ® avoids the extremes of both preload and excessive bearing end play. It gives fleets the tightest adjustment standard in the industry.

### Faster to Install, Easier to Lock

PRO-TORQ® assures that bearings are "positive" locked in precise position the first time. That's because PRO-TORQ® uses only one nut — no jamming, juggling or time wasted while repositioning multiple nut assemblies.

Clearance in the threads of traditional "jamming" type nuts can result in a wide range of final settings. A mechanic can unintentionally impose preload on a bearing by overtightening the jamnut. As a result, the outer bearing cone can be pushed further up the spindle and out of its intended position.

PRO-TORQ® takes the guesswork out of bearing adjustment!

#### STEMCO LP - USA

P.O. Box 1989 · Longview, TX 75606-1989  
(903) 758-9981 · 1-800-527-8492  
FAX: 1-800-874-4297  
www.stemco.com

#### STEMCO - Canada

5900 Ambler Drive, Units 4 & 5  
Mississauga, ON L4W 2N3  
(905) 206-9922 · 877-232-9111  
FAX: 877-244-4555

#### ISO/TS 16949

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## Applications and Specifications

### STEMCO Part Number

**447-4723**

Replacement Keeper No.: 450-4723 TANG  
Tool Socket: 4 13/16" - 8 point (OTC# 1941)  
Thread Size: 3.480" - 12  
Outer Bearing Part No.: HM518445/HM518410

### DANA SPICER AXLES

\*P-22

\* Axle date code  
Post Jan. 1, 2006

### FRUEHAUF AXLES

PROPAR Series

### HENDRICKSON AXLES

HP

### INGERSOLL AXLES

F24H

### MERITOR AXLES

TP Series

### STEMCO Part Number

**447-4724**

Replacement Keeper No.: 450-4723 TANG  
Tool Socket: 4 13/16" - 8 point (OTC# 1941)  
Thread Size: 3 1/2" - 12  
Outer Bearing Part No.: HM518445/HM518410

### EATON AXLES

EST 230-P, EST 225-P, P-22

### STEMCO Part Number

**447-4743**

Replacement Keeper No.: 450-4743 TANG  
Tool Socket: 3 3/4" - 8 point (OTC# 1925)  
Thread Size: 2 5/8" - 16  
Outer Bearing Part No.: HM212049/HM212011

### DANA SPICER AXLES

D-20, D-21, D-22, DD-21, DD-22, K-21, K-22, K-25,  
K-30

### EATON AXLES

C, C2, CD, CD2, CE, ESA-225J, EST, EST-225J, EST-  
230J, ETA 230C, ETA 225D, ETA 225J, H23L, H25R,  
HCE, HJ, HJE, J, JE, JH, LA-15, T-18C, 20L-77, 22L,  
22R, 23L, 23R, 25R

*continued...*

### 447-4743 Continued

### HENDRICKSON AXLES

HN

### INGERSOLL AXLES

A22T

### MERITOR AXLES

RL Series, RQ Series, TK Series, TKL Series, TKLD  
Series,  
TL Series, TLD Series, TN Series, TND Series,  
TQ Series, TQC Series, TQD Series

### STANDARD FORGE

A25, A26, 17,000 and 18,000 lb. Trade

### STEMCO Part Number

**448-4836**

Replacement Keeper No.: 450-4836 D-FLAT  
Tool Socket: 2 1/2" - 6 point (OTC# 1921)  
Thread Size: 1 1/2" - 12  
Outer Bearing Part No.: 3782/3720

### DANA SPICER AXLES

D10

### EATON AXLES

X-115

### FRUEHAUF AXLES

Model 5, TKF

### MERITOR AXLES

T-1100

### STANDARD FORGE

T 8.5-S

### STEMCO Part Number

**449-4973**

Replacement Keeper No.: 450-4973 TANG  
Tool Socket: 4 3/8" - 8 point (OTC# 1917)  
Thread Size: 3 1/4" - 12  
Outer Bearing Part No.: 580/572  
\*HM518445/HM518410

### DANA SPICER AXLES

EST-230-P,  
\*P-22 TQ

\* Axle date code  
Prior to Jan. 1, 2006

### MERITOR AXLES

TR

# Pro-Torq® Steer Axle Nuts

## Applications and Specifications

### STEMCO Part Number

## 448-4836

Replacement Keeper No.: 450-4836 D-FLAT  
Tool Socket: 2 1/2" - 6 point (OTC# 1921)  
Thread Size: 1 1/2" - 12  
Outer Bearing Part No.: 3782/3720

### MERITOR AXLES

FD 900, FD 901, FD 961, FE 900, FE 903, FF 900,  
FF 901, FF 921, FF 931, FF 932, FF 933, FF 941, FF  
942, FF 943, FF 944, FF 952, FF 961, FG 941

### NAVISTAR

I100S

### STEMCO Part Number

## 448-4837

Replacement Keeper No.: 450-4837 TANG  
Tool Socket: 2 1/2" - 6 point (OTC# 1921)  
Thread Size: 1 1/2" - 18  
Outer Bearing Part No.: 3782/3720

### EATON AXLES

EFA-12F4, EFA-13F5, E-1200I, FE 931, 12K, 13.2K

### FORD AXLES

SIFCO 12,000#., FORD 6,000 lb.

### MERITOR AXLES

FE-931

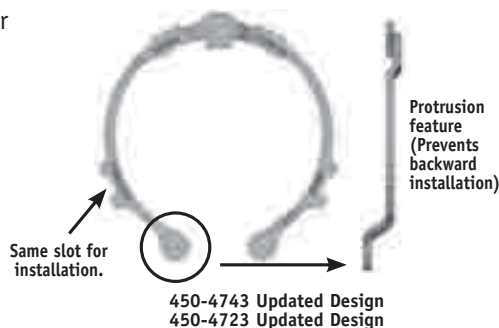
### STEMCO Part Number

## 448-4838

Pro-Torq Nut Number: 448-4836 TANG  
Replacement Keeper No.: 450-4837  
Tool Socket: 2 1/2" - 6 point (OTC# 1921)  
Thread Size: 1 1/2" - 12  
Outer Bearing Part No.: 3782/3720

### MERITOR AXLES

Steer



### STEMCO Part Number

## 448-4839

Replacement Keeper No.: 450-4839 D-FLAT  
Tool Socket: 2 5/8" - 6 point (OTC# 1922)  
Thread Size: 1 5/8" - 12  
Outer Bearing Part No.: 45220/45280

### MACK FRONT AXLES

FAW12, FAWL12, FAW537, FAW5371, FAW14.3,  
FAW538, FAW10.5, FAW536, FAW5361

### STEMCO Part Number

## 448-4840

Replacement Keeper No.: 450-4836 D-FLAT  
Tool Socket: 2 1/2" - 6 point (OTC# 1921)  
Thread Size: 2 1/2" - 18  
Outer Bearing Part No.: 3782/3720

### HENDRICKSON AUXILIARY AXLE

13,000# Ultra Axle

### STEMCO Part Number

## 448-4863

Replacement Keeper No.: 450-4863 D-FLAT  
Tool Socket: 3 1/2" - 6 point (OTC# 1910)  
Thread Size: 2 1/4" - 12

### ARVINMERITOR® FH AXLE

Steering Spindle  
16,500 lbs GAW

### STEMCO Part Number

## 448-4864

Replacement Keeper No.: 450-4864 D-FLAT  
Tool Socket: 3" - 6 point (OTC# 1906)  
Thread Size: 2" - 12  
Outer Bearing Part No.: 5552A/555S

### MACK FRONT AXLES

FA18, FAW18, FAW616, FA616, FA20, FAW20,  
FAW617, FA617, FAW16, FAW614

### STEMCO Part Number

## 448-4865

Replacement Keeper No.: 450-4865 D-FLAT  
Tool Socket: 3" - 6 point (OTC# 1906)  
Thread Size: 1 3/4" - 12  
Outer Bearing Part No.: 552A/555S, 3979/3720

### MERITOR FRONT AXLES

FL

## Applications and Specifications

### STEMCO Part Number

**447-4743**

Replacement Keeper No.: 450-4743 TANG

Tool Socket: 3 3/4" - 8 point (OTC# 1925)

Thread Size: 2 5/8" - 16

Outer Bearing Part No.: HM212049/HM212011

### MERITOR AXLES

F Series, H Series

### STEMCO Part Number

**449-4904**

Replacement Keeper No.: 450-4904 TANG

Tool Socket: 4 1/8" - 6 point (OTC# 1915)

Thread Size: 2 7/8" - 12

Outer Bearing Part No.: 563/567, 572/575, 47620/47679

### MACK AXLES

S-34, S-38, S-44, S-462, SW-56, SW-57, SW-441

### STEMCO Part Number

**449-4973**

Replacement Keeper No.: 450-4973 TANG

Tool Socket: 4 3/8" - 8 point (OTC# 1917)

Thread Size: 3 1/4" - 12

Outer Bearing Part No.: 580/572

### DANA SPICER AXLES

W 230-S, W 460-S

### EATON AXLES

D 380, D 381, D 380-P, D 381-P, D 400, D 401, D 400-P, D 440-P, D 401-P, D 402-P, D 451-P, D 460-P, D 480-P, D 485-P, DP 380, DP 381, DP 380-P, DP 381-P, DP 340, DP 341, DP 400-P, DP 401-P, DP 440-P, DP 460-P, DP 480-P, DP 550, DP 580-P, DP 650-P, DS 340, DS 341, DS 344, DS 380, DS 381, DS 380-P, DS 381-P, DS 400-P, DS 401-P, DS 404-P, DS 400-P, DS 460-P, DS 480-P, DS 454-P, DT 340, DT 341, DT 380, DT 381, DT 380-P, DT 381-P, DT 400-P, DT 440-P, DT 460-P, DT 480-P, RS 341, RS 381, RS 402, RS 401, RS 460, RS 461, RT 402, 44, 440P, 480P, 1911, 1919, 2011, 19500, 20500, 20501

### MACK AXLES

50,000#

### MERITOR AXLES

Q Series, QHD, QHR, QT Series, R Series, RL-170, RS Series, RT Series, S Series, S 170, S 280, SQ 100, SQ 100-P, SQD, SQDD, SQHD, SQHP, SQHR, SQR, SQW, SR 170, SR 270, SR 280, SRD, SRDD, SRHD, SSHD, SSSH,

### 449-4973 Continued

SP, STD, STDD, STHD, SU 170, SU 270, SU 280, SUHD, SW 170, SW 270, SW 280, T Series, U Series, 58000 Series, 59000 Series, 200

### NAVISTAR AXLES

14227, 14308, 14309, 14311, 14338, 14342, 14943, 14348, 14364, 14368, 14494

### STEMCO Part Number

**449-4974**

Replacement Keeper No.: 450-4743 TANG

Tool Socket: 3 3/4" - 8 point (OTC# 1925)

Thread Size: 2 5/8" - 12

Outer Bearing Part No.: 3984/3920, 39590/39520

### EATON AXLES

D, DT, 32M, 34M, MF, MR, RP, RT, 17800, 17801

### FORD AXLES

18,000# Rear

### MERITOR AXLES

H-145, H-162, H-172, H-240, H-262, H-350, H-362, L-172

### NAVISTAR AXLES

14044, 14186, 14351, RA44

### STEMCO Part Number

**449-4975**

Replacement Keeper No.: 450-4975 TANG

Tool Socket: 3 3/4" - 8 point (OTC# 1925)

Thread Size: 2 5/8" - 12

Outer Bearing Part No.: 3984/3920, 39590/39520

### DANA AXLES

J190S

### FORD AXLES

### GMC

### NAVISTAR AXLES

### REAR AXLE SCHOOL BUS APPLICATION

19,000#

# Pro-Torq® Interchange Guide

## PRO-TORQ® Advanced Spindle Nuts

Axilok	STEMCO	BWP	STEMCO	Euclid	STEMCO
AX 12-1500	448-4836	M-1986	447-4743	E-540	447-4743
AX 12-3250	449-4973	M-1990	449-4973	E-572	447-4743
AX 12-3480	447-4723	M-1992	449-4973	E-576	448-4836
AX 12-3500	447-4724	M-1996	447-4723	E-1087	448-4836
AX 16-2625	447-4743			E-2296	448-4836
AX 18-1500	448-4837			E-2299	448-4836
Batco	STEMCO	Ceromet	STEMCO	E-2303	449-4973
06-201	447-4743	150012	448-4836	E-2305	449-4973
06-203	447-4743	150018	448-4837	E-2420	447-4743
06-204	448-4836	262512	449-4974	E-2422	447-4743
06-210	448-4836	262516C	447-4743	E-2460	447-4743
06-226	447-4723	325012	449-4973	E-2466	449-4973
06-348	448-4837	348012	447-4723	E-2468	449-4973
06-354	448-4836	348012E	447-4724	E-2550	447-4723
06-358	448-4836	K1501	450-4836	E-4861	448-4837
06-403	447-4743	K1502	450-4837	E-6140	449-4973
06-404	447-4743	K2625	450-4743		
06-411	449-4973	K3250	450-4973	Ford	STEMCO
06-412	449-4973	K3480	450-4723	D5HZ-3104A	448-4837
06-424	447-4743	Dana	STEMCO	D7HZ-4255A	449-4974
06-425	447-4743	10284	447-4743	D7HZ-4245A	449-4974
06-470	449-4974	10286	447-4743	E4HS-4255-AA	449-4973
06-472	449-4974	10406	447-4743	F2HS-3276-AA	448-4837
06-482	449-4973	10408	447-4743		
06-484	449-4973	Eaton	STEMCO		
BWP	STEMCO	F-940	447-4743		
M-682	447-4743	F-941	447-4743		
M-684	447-4743	F-1529	447-4743		
M-685	448-4836	F-1530	447-4743		
M-1524	448-4836	X-115	448-4836		
M-1956	448-4836	11249	449-4973		
M-1959	448-4836	19186	447-4743		
M-1972	447-4743	31927	449-4973		
M-1974	447-4743	34090	447-4743		
M-1978	449-4973	128333	448-4837		
M-1980	449-4973	820394	447-4743		
M-1984	447-4743	820395	447-4743		



# Pro-Torq® Interchange Guide

## PRO-TORQ® Advanced Spindle Nuts

<b>Fruehauf</b>	<b>STEMCO</b>	<b>Meritor</b>	<b>STEMCO</b>	<b>Transit</b>	<b>STEMCO</b>
ACE-8510-001 530088	447-4723 448-4836	1227-R-330 1227-R-1240 1227-T-228 1227-T-540 1227-U-541 1227-W-517 1227-X-102 1227-Z-1040 1227-P-1160	449-4973 449-4973 447-4743 447-4743 448-4836 449-4973 448-4836 449-4974 447-4743	TP-1970 TP-1973 TP-1977 TP-1978 TP-1988 TP-1989 TP-1997 TP-1999	448-4836 448-4836 449-4973 449-4973 447-4743 447-4743 447-4743 447-4743
<b>K-B Axle</b>	<b>STEMCO</b>	<b>Navistar</b>	<b>STEMCO</b>		
KBE-10227	447-4743	1607743C1 1607744C1 2037474C1 2501559C1	448-4836 449-4973 448-4837 449-4974		
<b>Kershaw</b>	<b>STEMCO</b>	<b>Spicer</b>	<b>STEMCO</b>		
10284 10286	447-4743 447-4743	M10HN101 M10HN102 M10HN128 M10HN158 M103102-001	447-4743 447-4743 448-4836 447-4743 447-4743		
<b>Leland</b>	<b>STEMCO</b>	<b>Std. Forge</b>	<b>STEMCO</b>		
L-176 L-178 L-195 L-1331 L-1334 L-1347 L-1349 L-1353 L-1355 L-1359 L-1361 L-1365 L-1367 L-1395	447-4743 447-4743 448-4836 448-4836 448-4836 447-4743 447-4743 449-4973 449-4973 447-4743 447-4743 449-4973 449-4973 447-4723	103100-1 103102-001 103103-002 103104-001 103105 105013	447-4743 447-4743 447-4743 447-4743 448-4836 447-4743		
<b>Meritor</b>	<b>STEMCO</b>	<b>Transit</b>	<b>STEMCO</b>		
A-1227-A-105 A-1227-S-331 1227-B-106 1227-B-756 1227-B-1484 1227-C-549 1227-E-1045 1227-K-947 1227-K-1389 1227-L-194 1227-M-715	448-4836 449-4973 448-4836 447-4743 447-4723 447-4743 449-4974 448-4837 447-4723 448-4836 449-4974	TP-157 TP-431 TP-489 TP-490 TP-1572 TP-1943	448-4836 448-4836 447-4743 447-4743 449-4973 449-4973		

## PRO-TORQ® SPINDLE NUT WARRANTY

STEMCO warrants that all Product shall conform to descriptions on purchase orders, and shall be free of defects in materials and workmanship which would be discovered by following STEMCO's standards of manufacture and inspection at the time said Product was manufactured. This warranty shall remain in effect for one year following shipment of Product. This warranty is limited to repairing or replacing Product which the parties investigation show were defective at the time of delivery.

All Product subject to this warranty will be returned, F.O.B.: STEMCO LP, 300 Industrial Blvd., Longview, TX 75602, for examination, repair, or replacement.

This warranty does not cover any defect, malfunction, or failure caused by or resulting from improper or unauthorized service maintenance, installation, repair, or use not within the working specifications for which Product was designed, or from abuse, neglect, tampering with, or any other cause beyond the control of STEMCO.

PRO-TORQ® is the registered trademark of STEMCO.

Specifications contained in this catalog were in effect at the time the publication was approved for printing, and are subject to change without notice or liability.



# STEMCO®

*A Higher Standard of Performance.™*

### STEMCO - USA

P.O. Box 1989 • Longview, TX 75606-1989  
(903) 758-9981 • 1-800-527-8492 • FAX: 1-800-874-4297  
[www.stemco.com](http://www.stemco.com)

### STEMCO - Canada

5900 Ambler Drive, Units 4 & 5 • Mississauga, ON L4W 2N3  
(905) 206-9922 • 877-232-9111 • FAX: 877-244-4555

ISO/TS 16949

# STEMCO® Platinum Performance System

## PLATINUM PERFORMANCE SYSTEM™

## PLATINUM PLUS PERFORMANCE SYSTEM™

The STEMCO Platinum Performance Systems combine premium products that work as a system to ensure the most comprehensive wheel end performance available. All of the significant failure modes found in a typical wheel end have been addressed. High performance STEMCO components are used to specifically enhance three critical areas – sealing, lubricant integrity, and bearing life due to accurate bearing adjustment. By addressing these critical performance areas with advanced technology components, customers are able to use standard hubs and axles for wheel ends that provide outstanding performance at the lowest cost in the industry.

STEMCO now offers a choice of two long-life systems with extended warranty coverage, plus the assurance of a dramatic increase in performance that will lower maintenance costs and protect wheel end investment.

### Four Technologically Advanced Products



#### Guardian® HP

Long-life, axle-installed seal features a high performance sealing lip, and superior contamination exclusion.

#### Discover®

Long-life, high performance hub-installed seal features a unitized design using a high temperature elastomeric co-polymer sealing element combined with Teflon®.



#### Endeavor

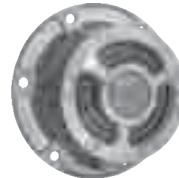
The Endeavor® seal features a high temperature elastomeric co-polymer sealing element. The revolutionary design incorporates hydrodynamic “pumping” features to keep the lubricant where it is intended to be.



#### PRO-TORQ®

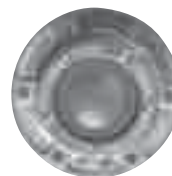
##### Advanced Axle Spindle Nuts

Controls axial motion, holding bearing end play at .001” to .003.” That means wheels track truer for longer tire life, extended wheel seal and bearing life and more accurate wheel end sensor monitoring on ABS.



#### SENTINEL®

The heart of the Platinum Performance System.™ The Sentinel® tamper-proof hub cap technology provides an unmatched filtering system for wheel ends to eliminate contamination of the lubricant from grime, dirt, or water.



##### Integrated Sentinel® Hub Cap

Integrates the Sentinel® Technology directly into the hub cap with fewer components and greater wheel end visibility.



#### HEAVY DUTY BEARINGS

STEMCO is able to supply your wheel bearing needs by providing bearings that offer safety, reliability, and performance from a single source. You can be assured that each STEMCO bearing conforms to our stringent quality and performance standards. STEMCO bearings optimize the performance that fleets expect.

# STEMCO® Platinum Performance System

## PLATINUM PERFORMANCE SYSTEM™

### 3 YEAR LIMITED WARRANTY

- Guardian® HP, Discover® or Endeavor®
- Pro-Torq® Nut
- Sentinel® or Integrated Sentinel® Hub Cap
- STEMCO Bearings (optional)
- Available for OEM Spec or Fleet Retrofit

## PLATINUM PLUS PERFORMANCE SYSTEM™

### 5 YEAR LIMITED PARTS & LABOR WARRANTY

- Guardian® HP, Discover® or Endeavor®
- Pro-Torq® Nut
- Sentinel® or Integrated Sentinel® Hub Cap
- STEMCO Bearings
- Available for OEM Spec Only

## STEMCO Long-life Wheel End Systems Offer:

- **Simplicity** – Proven, known wheel end design.
- **Low Cost** – No costly equipment changes.
- **Durability** – Uses high performance components for sealing, bearings, bearing adjustment and lubricant protection.
- **Field Serviceable** – Standard hub, axle, lubricant and bearings.
- **Reliability** – Address traditional wheel end failure areas with high performance technology products working as a system.



# NEW BRAKE SHOES



## STEMCO Duroline New Brake Shoes OEM Quality, Safety, Dependability

- **HEAT TREATING** roller and anchor ends hardens the steel and prevents distortion and mushrooming. Such wear, often found on relined shoes, can result in slippage and cause excessive wear, shortening the life of your shoe.
- **SEAM-WELDING** the webs and tables provides complete welding along the entire brake shoe. Unlike competitors who only spot weld their shoes, STEMCO Duroline has gone the extra mile to prevent catastrophic failure.
- **E-COATING** stops rust before it starts by electromagnetically bonding the paint to the steel of every new brake shoe, preventing rust-jacking. STEMCO Duroline shoes are environmentally tested to withstand 1,000 hours of salt spray testing.
- **THICKER STEEL** is used on STEMCO Duroline brake shoes than on competing brands. STEMCO Duroline brake shoes are 12 thousandths of an inch thicker than competing shoes for enhanced performance and durability.
- **HARDWARE KITS** are all built to STEMCO Duroline's high standards for quality, safety and dependability. Hardware kits contain stainless steel bushings, zinc-chromate coated rollers and E-coated springs, designed to be rust-resistant and improve the dependability of your brakes.

**STEMCO DUROLINE ALSO OFFERS A FULL LINE OF HIGH PERFORMANCE BRAKE LININGS.**

HORIZON SP™

CREST XL

VISTA HP™

ULTRA PEAK™ BRT

ULTRA PEAK™ HH

ULTRA PEAK™ FT

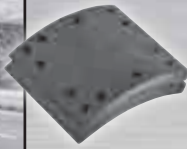


High performance friction with superior service and support. Contact us for brake training.

**STEMCO**  
**DUROLINE™**

stemcoduroline.com

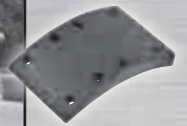
# High Performance Brake Linings



## HORIZON SP™ **The value and performance choice for highway applications.**

Horizon SP was specially designed to be a cost effective solution for your long-haul needs. Horizon SP is the standard performance friction formulation for normal-duty cycles, operating environments and loads.

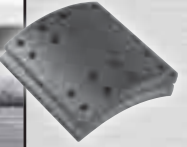
Axle Rating: Horizon SP20 - 20,000 lbs. Horizon SP23 - 23,000 lbs.



## CREST XL™ **Extra life choice for demanding highway applications.**

Whether you're driving an over-the-road truck, tractor or trailer, this unique brake lining is perfect for moderate to heavy-duty long-haul applications. Crest XL exceeds the performance of the competition in the same category due to its superior formulation combined with the Wave Process.

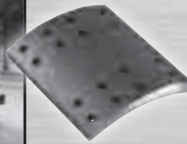
Axle rating: 20,000 lbs.



## VISTA HP™ **The high performance choice for demanding applications.**

If you're looking for superior performance on buses, trucks, tractors or trailers, then look no further. Vista HP offers smooth, noise-free and stable stopping power over a wide range of temperature, pressure and speed variations. As a result, Vista HP high-performance brake linings are ideally suited for the rigors of stop-and-go service.

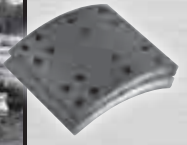
Axle Rating: Vista HP- 23,000 lbs. Vista HP1- 25,000 lbs.



## ULTRA PEAK™ BRT **Superior technology for bus, refuse and transit applications.**

For maximum performance in bus, refuse and transit applications, choose Ultra Peak BRT. This high-quality brake lining has been specially formulated to run quieter and extend lining life and drum life with excellent flexural strength. Ultra Peak BRT has been FMVSS 121 rated up to 26,000 lbs. for transit platforms. In addition, extraordinary flexural strength eliminates the failure mode of friction cracking.

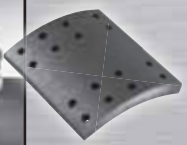
Axle Rating: 23,000 - 26,000 lbs.



## ULTRA PEAK™ HH **Superior performance for your heavy-haul truck.**

Your heavy-haul truck demands superior performance. That's why we offer Ultra Peak HH. This lining was specifically designed for severe service. This combination set includes two heavy-duty premium high-temperature products. Ultra Peak HH has high thermal diffusivity and reduces noise.

Axle rating: 23,000 lbs.



## ULTRA PEAK™ FT **Outstanding performance for specialty applications.**

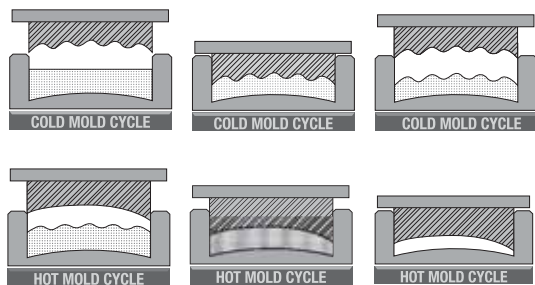
For specialty applications where performance is key, Ultra Peak FT incorporates the finest raw materials and superior technology to assure maximum performance in the most severe transit and refuse environments. In addition, Ultra Peak FT offers extended brake life cycles and reduces noise.

Axle rating: 26,000 - 29,000 lbs.

## CATCH THE WAVE.

Our patented and revolutionary "Wave Process" assures higher performance and a longer life along with a lower noise level. This patented technology begins with the cold mold cycle, which creates the unique wave pattern. Hot molding then forces the waves to condense under heat and pressure. Aligning the friction density into column structures assures less heat susceptibility, which results in quieter, longer lasting brakes.

### THE WAVE PROCESS



# Friction Manufacturers Interchange

Manufacturer	20,000 lb. AXLE MATERIALS					23,000 lb. AXLE MATERIALS					25,000 – 29,000 lb. AXLE MATERIALS		
	Economy	Standard	Premium	Economy	Standard	Heavy Duty Premium	High Performance Long Life	Combination Block	Severe Service	Transit	Film Transfer		
<b>STEMCO</b> 		Horizon SP20	Crest XL		Horizon SP23	Vista HP	Ultra Peak BRT	Ultra Peak HH	Vista HP1	Ultra Peak BRT (26K) Ultra Peak FT (29K)	Ultra Peak FT (29K)		
<b>Federal Mogul ABEX</b>	XC6085 VL20	AN6166 XL6014	EN6008-1 EL6011	VL23	AX6149	EX685 SDA6098		SMC (685/6069)	ED6028 EH6040	Metro Combo 685/697 (26K)			
<b>Affinia Brake Pro</b>			CM16		CM18	CM20	CM22A1	CMB42	CM29	CMT22A1 (25K) CCM2425	CCM2429 (29K)		
<b>Carlisle</b>	EC20 NA100	MB20	MB21 CF2000	EC23	MB44	MB23	WT56	MBC62	SD1 MB60	TG2 (26K) WT56 (26K)			
<b>Cobraq</b>	NABK334	NABK090	NABK102	NABK091	NABK110			NABK171F	NABK132	NABK142 (26K) NABK110 (26K)			
<b>Fras-le</b>	F520 F540-1	F550-1		F523	F555-1	F557		F560/F555	F587	787T (28K) F557 (26K)			

**STEMCO**  
**DUROLINE™**



**HORIZON SP™ CREST XL™ VISTA HP™ ULTRA PEAK™**

To see the full product offering of high performance friction products, visit [www.stemcoduroline.com](http://www.stemcoduroline.com)

P.O. Box 1989, Longview, Texas 75606-1989. Tel: 903-758-9981. Fax: 903-232-3508

STEMCO Duroline, Horizon SP, Crest XL, Vista HP and Ultra Peak are trademarks of STEMCO LP.

# Private Label Reference

	20,000 lb. AXLE MATERIALS			23,000 lb. AXLE MATERIALS				25,000 - 29,000 lb. AXLE MATERIALS			
<b>STEMCO DUROLINE</b>		Horizon SP20	Crest XL		Horizon SP23	Vista HP	Ultra Peak BRT	Ultra Peak HH	Vista HP1	Ultra Peak BRT (26K) Ultra Peak FT (29K)	Ultra Peak FT (29K)
Private Label	Economy	Standard	Premium	Economy	Standard	Heavy Duty Premium	High Performance Long Life	Combination Block	Severe Service	Transit	Film Transfer
<b>ArvinMeritor</b>	F520 F540 EG1	F550-1 MG1	MA210 MA212 R201	F523 EG2	F555-1 MG2L MG2	MA310 MA312 R301 F557		F560/F555-1	R403 F587	787T (28K) F557 (26K) R685/R687 (26K)	
<b>Bendix/Spicer</b>	GREEN	BLUE SILVER	ES310 ES410 ES420		RED YELLOW GOLD	ES600 ES690 ES440		ES1150	ES1050		
<b>BRF/UAP</b>		M20			M23						
<b>Haldex</b>	2017 (GN) HV77	2008 (GF)	2015-2 (GR) 2025 (GW) WEDGE	2016 (GD) HV88	2023 (GH)	2020-1 (GG)		2020-2035 (GC)	2035 (GZ) 2040 (GM) 2030 (GP)	TRANS MAX (TM)	
<b>HD America</b>	H20F	H20		H23F	H23						
<b>Marathon</b>	MH	UB	DB20		FLOE	HS		MBC	TS	HST (25K) KVT (26K) MBST (26K)	
<b>Road Leveler</b>	STD 20	PR20		STD 23	PR23						
<b>VIPAR</b>	VIPRO 20K STD	VIPRO 20K PREM		VIPRO 23K STD	VIPRO 203K PREM						

P.O. Box 1989, Longview, Texas 75606-1989

Tel: 903-758-9981, Fax: 903-232-3508

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**STEMCO**  
**DUROLINE**



# Engineering Changes

Various sets and components have been discontinued or replaced during STEMCO's many years of service to the industry. Wherever possible, suggested replacements are noted.

Discontinued	Replaced By	Date	Reason
307-0746	<b>307-0723</b>	Nov-97	Obsolete
310-1001	<b>310-1095</b>	Jan-71	Product Improvement
310-1002	<b>310-1093</b>	Mar-70	Spindle Shoulder
310-1003	<b>N/A</b>	Oct-95	Set was 372-7020
310-1004	<b>N/A</b>	Sep-87	Obsolete
310-1005	<b>N/A</b>	Nov-97	Obsolete
310-1006	<b>N/A</b>	Nov-97	Obsolete
310-1007	<b>392-9007</b>	Nov-97	Obsolete
310-1009	<b>382-8052</b>	Nov-97	Obsolete
310-1010	<b>N/A</b>	Oct-95	Set was 372-7005, 372-7055
310-1011	<b>N/A</b>	Oct-95	Set was 382-8023
310-1012	<b>393-0112</b>	Mar-08	Product Improvement
310-1014	<b>N/A</b>	Oct-95	Set was 392-9061
310-1015	<b>N/A</b>	Dec-84	Obsolete
310-1017	<b>382-8017</b>	Nov-97	Obsolete
310-1020	<b>N/A</b>	Oct-86	Obsolete
310-1021	<b>N/A</b>	Oct-95	Set was 372-7025, 392-9021, 392-9046
310-1023	<b>N/A</b>	Sept-98	Obsolete
310-1024	<b>310-1079</b>	Nov-68	Product Improvement
310-1025	<b>310-1088</b>	Apr-69	Product Improvement
310-1026	<b>315-1508</b>	Sept-98	Obsolete
310-1027	<b>N/A</b>	Nov-97	Obsolete
310-1028	<b>N/A</b>	Mar-08	Still available in 382-8028 set
310-1029	<b>N/A</b>	Oct-95	Set was 382-8029
310-1030	<b>N/A</b>	Mar-86	Obsolete
310-1031	<b>310-1051</b>	Nov-65	Product Improvement
310-1032	<b>382-8032</b>	Nov-97	Obsolete
310-1033	<b>N/A</b>	Dec-84	Obsolete
310-1034	<b>N/A</b>	Mar-08	Still available in 382-8028 set
310-1035	<b>N/A</b>	Oct-95	Set was 382-8035
310-1036	<b>382-8036</b>	Jan-03	Still available in 382-8036 set
310-1037	<b>See 382-8064</b>	Sept-98	Obsolete
310-1038	<b>383-0139</b>	Sept-99	Product Improvement
310-1042	<b>N/A</b>	Apr-90	Set was 382-8016
310-1044	<b>N/A</b>	Oct-95	Set was 372-7017
310-1045	<b>N/A</b>	Nov-97	Obsolete
310-1047	<b>N/A</b>	Oct-95	Set was 372-7008
310-1049	<b>N/A</b>	Dec-84	Obsolete
310-1050	<b>382-8010</b>	Nov-97	Obsolete
310-1052	<b>382-8009</b>	Nov-97	Obsolete
310-1054	<b>N/A</b>	Oct-95	Set was 372-7004
310-1054	<b>N/A</b>	Oct-95	Ring was 310-1113 (Obso) in 392-9020 set
310-1055	<b>N/A</b>	Oct-96	Obsolete
310-1056	<b>N/A</b>	Jul-90	Set was 382-8008
310-1057	<b>372-7003</b>	Nov-97	Obsolete
310-1058	<b>N/A</b>	Nov-97	Obsolete
310-1059	<b>N/A</b>	Dec-84	Obsolete
310-1060	<b>N/A</b>	Nov-68	Obsolete
310-1061	<b>N/A</b>	Sept-98	Still available in 382-8005 set
310-1062	<b>392-9035</b>	Nov-97	Obsolete
310-1063	<b>392-9036</b>	Nov-97	Obsolete
310-1064	<b>372-7049 or 392-9038</b>	Nov-97	Obsolete
310-1068	<b>N/A</b>	Nov-97	Obsolete
310-1069	<b>N/A</b>	Dec-84	Obsolete
310-1070	<b>N/A</b>	Dec-84	Obsolete
310-1071	<b>N/A</b>	Jun-87	Obsolete

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# Engineering Changes

Various sets and components have been discontinued or replaced during STEMCO's many years of service to the industry. Wherever possible, suggested replacements are noted.

Discontinued	Replaced By	Date	Reason
310-1072	N/A	Dec-86	Obsolete
310-1073	N/A	Sep-84	Obsolete
310-1074	N/A	Dec-86	Obsolete
310-1075	N/A	Dec-84	Obsolete
310-1076	N/A	May-87	Obsolete
310-1080	N/A	Nov-97	Obsolete
310-1083	N/A	Oct-95	Set was 392-9043
310-1084	N/A	Nov-97	Obsolete
310-1085	N/A	Dec-84	Obsolete
310-1086	N/A	Dec-84	Obsolete
310-1087	N/A	Jan-76	Obsolete
310-1090	N/A	Dec-84	Obsolete
310-1091	<b>315-1501</b>	Jan-99	Grit Guard® Interchange
310-1092	N/A	May-90	Set was 382-8043
310-1093	<b>See 382-8053, 382-8056</b>	Sept-98	Obsolete
310-1094	N/A	Jan-76	Clearance For Anti-Skid
310-1096	N/A	Mar-86	Obsolete
310-1100	N/A	Jun-89	Obsolete
310-1104	<b>392-9063</b>	Nov-97	Obsolete
310-1105	N/A	Dec-84	Obsolete
310-1109	N/A	Dec-84	Obsolete
310-1110	N/A	Jul-86	Obsolete
310-1111	<b>315-1502, 315-1525 or 315-1530</b>	Jan-99	Grit Guard® Interchange
310-1113	N/A	Oct-95	Set was 392-9020
310-1114	N/A	Oct-95	Set was 372-7056
310-1116	N/A	Sept-98	Obsolete
310-1115	N/A	Nov-97	Obsolete
310-1118	N/A	Oct-95	Set was 392-9079
310-1120	N/A	Feb-85	Obsolete
310-1121	N/A	Dec-86	Obsolete
310-1122	N/A	Oct-95	Set was 392-9102
310-1131	N/A	Nov-97	Obsolete
310-1233	<b>392-9111</b>	Nov-97	Obsolete
315-1509	<b>392-9095</b>	Nov-97	Obsolete
315-1513	N/A	Sept-98	Obsolete
315-1517	N/A	Sept-98	Still available in 392-9088 set
315-1519	N/A	Sept-98	Still available in 392-9130 set
315-1520	N/A	Jan-99	
315-1530	<b>392-9132</b>	Sept-98	Obsolete
320-2002	<b>320-2129</b>	Mar-75	Grit Guard® Interchange
320-2003	<b>320-2109</b>	Mar-92	Do not use with seal bore diameter greater than 5.758
320-2004	<b>320-2173</b>	Dec-76	Grit Guard® Interchange
320-2005	<b>320-2113</b>	Mar-75	Grit Guard® Interchange
320-2007	N/A	Nov-97	Obsolete
320-2008/310-1079	<b>320-2115/315-1502</b>	Mar-78	Current set 392-9097
320-2008/310-1028	N/A	Oct-95	Set was 392-9054
320-2010	N/A	Oct-95	Set was 392-9010
320-2011	N/A	Feb-85	Obsolete
320-2012	<b>393-0112</b>	Mar-08	Product Improvement
320-2013	<b>320-2109</b>	Sep-69	Product Improvement
320-2014	<b>320-2117</b>	Mar-75	Grit Guard® Interchange
320-2015	N/A	Dec-84	Obsolete
320-2016 (380-8021)	<b>320-2039 (382-8023)</b>	Apr-69	Set obsolete, seal available
320-2016 (390-9015)	<b>320-2102 (392-9099)</b>	Feb-71	Product Improvement
320-2016 (390-9016)	<b>320-2029 (392-9018)</b>	Sep-69	Obsolete 390-9016 set
320-2017	<b>382-8017</b>	Nov-97	Obsolete

(Continued Next Page)

# Engineering Changes

Various sets and components have been discontinued or replaced during STEMCO's many years of service to the industry. Wherever possible, suggested replacements are noted.

Discontinued	Replaced By	Date	Reason
320-2019 (380-8019)	<b>320-2050 (382-8009)</b>	Apr-69	Product Improvement
320-2020	N/A	Oct-86	Obsolete
320-2021	N/A	Nov-97	Obsolete
320-2022	N/A	Nov-97	Obsolete
320-2024	<b>320-2162</b>	Mar-75	Grit Guard® Interchange
320-2025	<b>320-2114</b>	Mar-75	Grit Guard® Interchange
320-2026	<b>320-2131</b>	Mar-75	Grit Guard® Interchange
320-2027	N/A	Feb-82	Became 320-2098, now obsolete
320-2028	N/A	Mar-08	Still available in 382-8028 set
320-2029	N/A	Jan-99	Still available in 392-9018 set
320-2030	N/A	Feb-86	Obsolete
320-2032	N/A	Mar-08	Still available in 382-8032 set
320-2033	<b>320-2137</b>	Mar-75	Clear 121 Brakes
320-2034	N/A	Mar-08	Still available in 382-8034 set
320-2035	N/A	Oct-95	Set was 382-8035
320-2036	<b>383-0136/383-0236</b>	Sept-99	Product Improvement
320-2039	<b>383-0139/383-8239</b>	Sept-99	Product Improvement
320-2040	N/A	Sept-98	Obsolete
320-2042	N/A	Apr-90	Set was 382-8016
320-2043	<b>320-2181</b>	Nov-77	Product Improvement
320-2045	N/A	Dec-84	Obsolete
320-2046	<b>372-7006</b>	Jan-99	See 372-7006 set
320-2047	N/A	Jan-92	Set was 382-8013
320-2048	<b>320-2110</b>	Mar-75	Grit Guard® Interchange
320-2049	<b>320-2102</b>	Feb-71	Product Improvement
320-2050	<b>382-8009</b>	Nov-97	Obsolete
320-2051	N/A	Nov-97	Obsolete
320-2052	N/A	Oct-86	Obsolete
320-2053	N/A	Jul-90	Set was 382-8008
320-2054	N/A	Nov-97	Obsolete
320-2055 (380-8006, 380-8007)	<b>320-2086 (382-8001)</b>	Nov-68	Product Improvement
320-2056	<b>382-8005</b>	Jan-99	See 382-8005 set
320-2057	<b>392-9035 or 392-9036</b>	Sept-98	See 392-9035 or 392-9036 set
320-2058	<b>392-9033</b>	Nov-97	Obsolete
320-2060	<b>320-2097</b>	Feb-82	Product Improvement
320-2062	N/A	Oct-95	Set was 392-9037
320-2063	N/A	Dec-83	Obsolete
320-2064	N/A	Mar-72	Obsolete
320-2065	<b>392-9114</b>	Nov-97	Obsolete
320-2069	N/A	Dec-84	Obsolete
320-2070	N/A	Dec-84	Obsolete
320-2071	N/A	Oct-86	Obsolete
320-2072	<b>392-9038</b>	Nov-97	Obsolete
320-2073	N/A	Feb-86	Obsolete
320-2074	N/A	May-87	Obsolete
320-2076	<b>Component (07320-2076)</b>		Component of several seals
320-2084	N/A	Dec-84	Obsolete
320-2086	<b>383-0101</b>	Mar-01	Obsolete
320-2087	N/A	Feb-84	Obsolete
320-2088	<b>429-2988</b>	Jan-76	Product Improvement
320-2091	<b>392-9045</b>	Jan-99	See 392-9045 set
320-2092	N/A	Oct-95	Set was 372-7025, 392-9046
320-2093	N/A	Dec-84	Obsolete
320-2095	<b>320-2213</b>	Aug-90	Product Improvement
320-2096	<b>392-9007</b>	Nov-97	Obsolete
320-2098	N/A	Feb-86	Obsolete

(Continued Next Page)

# Engineering Changes

Various sets and components have been discontinued or replaced during STEMCO's many years of service to the industry. Wherever possible, suggested replacements are noted.

Discontinued	Replaced By	Date	Reason
320-2100	<b>320-2233</b>	Jan-87	Product Improvement
320-2101	<b>320-2032</b>	Apr-69	Obsolete
320-2103	N/A	May-90	Set was 382-8043
320-2105	<b>382-8044</b>	Nov-97	Obsolete
320-2108	<b>320-2023</b>	Apr-70	Product Improvement
320-2116	N/A	Nov-97	Obsolete
320-2117	<b>392-9095</b>	Jan-99	See 392-9095 set
320-2119	<b>382-8027</b>	Nov-97	Obsolete
320-2120	N/A	May-86	Obsolete
320-2121	N/A	Feb-86	Obsolete
320-2122	N/A	Feb-86	Obsolete
320-2125	<b>382-8062</b>	Nov-97	Obsolete
320-2126	N/A	Feb-95	Obsolete
320-2127	N/A	May-86	Obsolete
320-2128	N/A	May-86	Obsolete
320-2132	<b>320-2213</b>	Feb-90	Product Improvement
320-2136	<b>372-7049</b>	Jan-03	Still available in 372-7049 set
320-2137	<b>383-0164/383-0264</b>	Sept-99	Product Improvement
320-2146	N/A	Oct-95	Set was 392-9120
320-2154	<b>372-7050</b>	Nov-97	Obsolete
320-2157	N/A	Jan-99	Obsolete
320-2158	N/A	Dec-84	Obsolete
320-2163	<b>372-7093</b>	Nov-97	Obsolete
320-2165	<b>320-2184</b>	May-78	See 320-2184
320-2169	N/A	Feb-84	Obsolete
320-2171	<b>392-9075</b>	Jan-99	See 392-9075 set
320-2178	N/A	Oct-95	Set was 392-9116
320-2180	N/A	Oct-95	Set was 392-9079
320-2184	<b>320-2199</b>	Dec-80	Product Improvement
320-2195	<b>392-9082</b>	Sept-98	Obsolete
320-2216	<b>382-8071</b>	Jan-99	Still available in set
320-2233	<b>392-9111</b>	Nov-97	Obsolete
327-2723	<b>307-0723</b>	Nov-98	Product Improvement
327-2743	<b>307-0743</b>	Nov-98	Product Improvement
328-2836	<b>308-0836</b>	Nov-98	Product Improvement
329-2973	<b>309-0973</b>	Nov-98	Product Improvement
330-3003	N/A	Aug-81	Obsolete 4003 Cap
330-3004	N/A	Aug-81	Obsolete 4004 Cap
330-3008	N/A	Jan-99	Obsolete
330-3014	N/A	Jan-99	Obsolete
330-3016	N/A	Apr-81	Obsolete 4016 Cap
330-3018	N/A	Jan-99	Obsolete
330-3021	N/A	Aug-81	Obsolete 4021 Cap
330-3023	N/A	Dec-84	Obsolete 4023 Cap
330-3026	N/A	Jan-99	Obsolete
330-3027	N/A	Aug-81	Obsolete 4055 Cap
330-3030	N/A	Aug-81	Obsolete 4030 Cap
330-3033	N/A	Aug-81	Obsolete 4033 Cap
330-3038	N/A	Aug-81	Obsolete 4038 Cap
330-3043	N/A	Aug-81	Obsolete 4043 Cap
330-3047	N/A	Jan-06	Obsolete
330-3048	N/A	Aug-81	Obsolete 4048 Cap
330-3050	N/A	Aug-81	Obsolete 4068 Cap
330-3055	<b>330-3077</b>	Aug-81	Obsolete 4055 Cap
330-3058	N/A	Aug-81	Obsolete 4078 Cap
330-3068	N/A	Aug-81	Obsolete 4085 Cap

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# Engineering Changes

Various sets and components have been discontinued or replaced during STEMCO's many years of service to the industry. Wherever possible, suggested replacements are noted.

Discontinued	Replaced By	Date	Reason
330-3070	N/A	Aug-81	Obsolete 370-7001 Set
330-3071	N/A	Jan-99	Obsolete
330-3076	N/A	Jan-99	Obsolete
330-3078	N/A	Aug-81	Obsolete 4097 Cap
330-3138	N/A	Jan-99	Obsolete
340-4006	<b>340-4015</b>	Feb-96	Replace with Blank Hubcap
340-4007	<b>340-4070</b>	Mar-81	Product Improvement
340-4008	<b>340-4028</b>	Nov-97	Obsolete
340-4012	N/A	May-95	Obsolete
340-4014	<b>340-4015</b>	Feb-96	Replace with Blank Hubcap
340-4016	N/A	Mar-81	Obsolete
340-4017	N/A	Feb-87	Obsolete
340-4020	N/A	Aug-84	Obsolete
340-4022	N/A	Mar-81	Obsolete
340-4023	N/A	Dec-84	Obsolete
340-4025	<b>343-4025</b>	Dec-84	Made With Pipe Plug Only
340-4026	N/A	Oct-94	Obsolete
340-4027	N/A	Sep-84	Obsolete
340-4029	<b>340-4186</b>	Mar-90	Duplicate hubcap
340-4030	N/A	Mar-81	Obsolete
340-4032	N/A	Sep-84	Obsolete
340-4033	N/A	Mar-81	Obsolete
340-4035	<b>340-4092</b>	Apr-69	Product Improvement
340-4037	N/A	Oct-95	Obsolete
340-4038	N/A	Mar-81	Obsolete
340-4039	<b>340-4198</b>	Nov-88	Product Improvement
340-4040	<b>340-4065</b>	Nov-88	Product Improvement
340-4041	<b>340-4066</b>	Apr-69	Product Improvement
340-4044	N/A	Nov-88	Obsolete
340-4048	<b>340-4249</b>	Apr-69	Product Improvement
340-4050	<b>340-4042</b>	Nov-88	Product Improvement
340-4051	N/A	Oct-95	Obsolete
340-4052	N/A	Mar-81	Obsolete
340-4053	N/A	Nov-88	Obsolete
340-4055	N/A	Mar-81	Obsolete
340-4058	N/A	Nov-88	Obsolete
340-4060	N/A	Sep-84	Obsolete
340-4061	N/A	Mar-81	Obsolete
340-4063	N/A	Feb-87	Obsolete
340-4064	<b>343-4064</b>	Oct-95	Available with pipe plug only
340-4067	N/A	Nov-88	Obsolete
340-4068	N/A	Mar-81	Obsolete
340-4070	<b>340-4015</b>	Feb-96	Replace with blank hub cap
340-4071	N/A	Mar-81	Obsolete
340-4072	N/A	Mar-81	Obsolete
340-4074	N/A	Mar-81	Obsolete
340-4076	<b>340-4059</b>	Mar-81	Product Improvement
340-4077	N/A	Mar-81	Obsolete
340-4078	N/A	Mar-81	Obsolete
340-4079	N/A	Mar-81	Obsolete
340-4081	N/A	Mar-81	Obsolete
340-4083	N/A	Sep-84	Obsolete
340-4085	N/A	Mar-81	Obsolete
340-4086	N/A	Sep-84	Obsolete
340-4087	N/A	Mar-81	Obsolete
340-4089	N/A	Mar-81	Obsolete

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# Engineering Changes

Various sets and components have been discontinued or replaced during STEMCO's many years of service to the industry. Wherever possible, suggested replacements are noted.

Discontinued	Replaced By	Date	Reason
340-4090	N/A	Mar-89	Obsolete
340-4091	340-4024	Feb-86	Obsolete
340-4093	340-4249	Jul-85	Obsolete
340-4094	340-4249	Jul-85	Obsolete
340-4096	340-4066	Nov-88	Product Improvement
340-4097	N/A	Mar-81	Obsolete
340-4099	343-4099	Feb-84	Made With Pipe Plug Only
340-4102	340-4012	Oct-95	Duplicate hubcap
340-4103	340-4098	Nov-88	Will be 1/2" taller, all other dimensions same
340-4110	N/A	Feb-84	Obsolete
340-4116	N/A	Mar-81	Obsolete
340-4117	N/A	Sep-86	Obsolete
340-4124	343-4124	Oct-86	Made With Pipe Plug Only
340-4135	343-4135	Mar-81	Made With Pipe Plug Only
340-4136	N/A	Nov-97	Obsolete
340-4138	N/A	Mar-81	Obsolete
340-4147	340-4249	Oct-87	Product Improvement
340-4148	340-4009	Sep-86	Obsolete
340-4150	343-4150	Jan-08	Obsolete
340-4154	N/A	Oct-95	Obsolete
340-4158	340-4157	Oct-95	Duplicate hubcap
340-4170	N/A	Oct-90	Obsolete
340-4177	N/A	Oct-90	Obsolete
340-4273	342-4009	Oct-95	Replace with Dirt Exclusion grease hubcap
340-4296	N/A	Jan-99	Obsolete
340-4316	342-4075	Oct-95	Replace with Dirt Exclusion grease hubcap
340-4324	340-4095	Oct-95	Same hubcap with red plug instead of blue
340-4325	340-4034	Oct-95	Same hubcap with red plug instead of blue
340-4350	340-4370	Jan-06	Obsolete due to PSI system change
340-4351	340-4371	Jan-06	Obsolete due to PSI system change
340-4352	340-4372	Jan-06	Obsolete due to PSI system change
341-4009	34x-4075*	Jan-99	Obsolete
341-4013	N/A	Nov-97	Obsolete
341-4024	343-4024	Aug-95	Obsolete Ventless hubcap
341-4034	343-4034	Nov-97	Obsolete
341-4036	343-4036	Nov-97	Obsolete
341-4046	343-4046	Nov-97	Obsolete
341-4066	343-4066	Nov-97	Obsolete
341-4149	343-4149	Aug-95	Obsolete Ventless hubcap
341-4249	343-4249	Aug-95	Obsolete Ventless hubcap
341-4075	34x-4075*	Jan-99	Obsolete
341-4095	343-4095	Nov-97	Obsolete
341-4195	343-4195	Nov-97	Obsolete
341-4269	343-4269	Nov-97	Obsolete
341-4281	343-4281	Aug-95	Obsolete Ventless hubcap
341-4295	343-4295	Nov-97	Obsolete
341-4296	N/A	Sept-98	Obsolete
341-4302	347-4075	Aug-95	Obsolete Ventless hubcap
342-4019	340-4019	Nov-97	Obsolete
342-4034	340-4034	Nov-97	Obsolete
342-4036	340-4036	Nov-97	Obsolete
342-4066	340-4066	Nov-97	Obsolete
342-4149	340-4149	Nov-97	Obsolete
342-4339	354-4009	Nov-97	Obsolete
342-4341	354-4075	Nov-97	Obsolete
342-4342	N/A	Jan-99	Obsolete

\* Any Hub Cap Prefix (vented)

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# Engineering Changes

Various sets and components have been discontinued or replaced during STEMCO's many years of service to the industry. Wherever possible, suggested replacements are noted.

Discontinued	Replaced By	Date	Reason
343-4003	N/A	Mar-81	Obsolete
343-4004	N/A	Mar-81	Obsolete
343-4005	N/A	Mar-81	Obsolete
343-4006	<b>340-4015</b>	Feb-96	Replace with blank hub cap, Not available with Pipe Plug
343-4007	<b>340-4015</b>	Mar-81	Replace with blank hub cap, Not available with Pipe Plug
343-4012	N/A	May-95	Obsolete
343-4014	<b>340-4015</b>	Jul-84	Replace with blank hub cap, Not available with Pipe Plug
343-4015	<b>340-4015</b>	Oct-95	Not Available with Pipe Plug
343-4017	<b>340-4017</b>	Feb-84	Cannot Be Made With Pipe Plug
343-4018	<b>343-4028</b>	Nov-97	Obsolete
343-4020	N/A	Oct-95	Obsolete
343-4021	N/A	Mar-81	Obsolete
343-4022	N/A	Mar-81	Obsolete
343-4023	N/A	Sep-88	Obsolete
343-4026	N/A	Sep-84	Obsolete
343-4027	N/A	Sep-88	Obsolete
343-4029	<b>343-4186</b>	Mar-90	Duplicate hubcap
343-4030	N/A	Mar-81	Obsolete
343-4031	<b>340-4031</b>	Oct-95	Obsolete
343-4032	N/A	Sep-84	Obsolete
343-4033	N/A	Mar-81	Obsolete
342-4034	<b>340-4034</b>	Nov-97	Obsolete
343-4039	N/A	Sep-88	Obsolete
343-4040	<b>340-4040</b>	Feb-84	Cannot Be Made With Pipe Plug
343-4041	<b>343-4066</b>	Mar-81	Product Improvement
343-4043	N/A	Mar-81	Obsolete
343-4044	N/A	Sep-88	Obsolete
343-4051	N/A	May-90	Obsolete
343-4053	N/A	Mar-81	Obsolete
343-4054	N/A	Sep-83	Obsolete
343-4055	N/A	Mar-81	Obsolete
343-4057	<b>340-4054</b>	Nov-97	Obsolete
343-4058	<b>340-4058</b>	Feb-84	Cannot Be Made With Pipe Plug
343-4060	N/A	Sep-84	Obsolete
343-4063	N/A	Feb-87	Obsolete
343-4067	N/A	Sep-88	Obsolete
343-4068	N/A	Mar-81	Obsolete
343-4070	<b>340-4015</b>	Feb-96	Replace with blank hub cap, Not available with Pipe Plug
343-4071	N/A	Mar-81	Obsolete
343-4074	N/A	Mar-81	Obsolete
343-4076	<b>343-4059</b>	Apr-81	Product Improvement
343-4078	N/A	Mar-81	Obsolete
343-4079	N/A	Mar-81	Obsolete
343-4081	N/A	Mar-81	Obsolete
343-4083	N/A	Sep-84	Obsolete
343-4084	N/A	Sep-84	Obsolete
343-4085	N/A	Mar-81	Obsolete
343-4086	N/A	Sep-84	Obsolete
343-4087	N/A	Mar-81	Obsolete
343-4088	N/A	Apr-86	Obsolete
343-4089	N/A	Mar-81	Obsolete
343-4090	N/A	Jul-84	Obsolete
343-4091	N/A	Jul-84	Obsolete
343-4093	<b>343-4249</b>	Jul-85	Obsolete
343-4094	<b>343-4249</b>	Jul-85	Obsolete
343-4096	<b>343-4066</b>	Mar-89	Duplicate hubcap

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# Engineering Changes

Various sets and components have been discontinued or replaced during STEMCO's many years of service to the industry. Wherever possible, suggested replacements are noted.

Discontinued	Replaced By	Date	Reason
343-4097	N/A	Mar-81	Obsolete
343-4099	343-4092	Nov-97	Obsolete
343-4101	343-4095 (5-1/2) or 343-4249 (5-9/16)	Nov-97	Obsolete
343-4102	343-4012	Dec-83	Duplicate hubcap
343-4103	343-4098	Nov-88	Will be 1/2" taller
343-4104	N/A	Aug-81	Obsolete
343-4106	343-4009	Mar-81	Duplicate hubcap
343-4110	N/A	Feb-84	Obsolete
343-4111	343-4028	Aug-81	Duplicate Cap
343-4112	343-4092	Mar-81	Duplicate Cap
343-4113	343-4249	May-85	Duplicate Cap
343-4114	343-4042	Aug-81	Duplicate Cap
343-4115	343-4186	Aug-81	Duplicate Cap
343-4116	N/A	Mar-81	Obsolete
343-4117	N/A	Sep-84	Obsolete
343-4118	N/A	Feb-84	Obsolete
343-4119	340-4119	Mar-81	Cannot Be Made With Pipe Plug
343-4120	N/A	Feb-84	Obsolete
343-4121	343-4066	Aug-81	Duplicate Cap
343-4123	343-4049	Aug-81	Duplicate Cap
343-4124	343-4024	Mar-90	Ford #, replace with aftermarket p/n
343-4125	343-4024	Aug-81	Duplicate Cap
343-4126	343-4046	Aug-81	Duplicate Cap
343-4128	343-4028	Nov-97	Obsolete
343-4129	343-4186	Mar-90	Ford #, replace with aftermarket p/n
343-4131	N/A	May-85	Obsolete
343-4135	N/A	Sep-84	Obsolete
343-4136	N/A	Feb-84	Obsolete
343-4138	N/A	Mar-81	Obsolete
343-4141	343-4024	Feb-88	Product Improvement
343-4142	N/A	Sep-83	Obsolete
343-4146	N/A	Feb-83	Obsolete
343-4148	343-4099	Aug-81	Duplicate Cap
343-4151	N/A	Nov-97	Obsolete
343-4154	N/A	Feb-84	Obsolete
343-4159	343-4025	Aug-81	Duplicate Cap
343-4164	343-4080	Aug-81	Duplicate Cap
343-4173	343-4092	Jul-88	Duplicate cap
343-4177	N/A	Oct-90	Obsolete
343-4182	343-4009	May-90	Utility #, replace with aftermarket p/n
343-4183	343-4092	Jul-87	Duplicate cap
343-4188	343-4009	Sep-86	Obsolete
343-4269	N/A	Jan-08	Obsolete
343-4270	343-4295	Oct-95	Obsolete
343-4282	343-4195	Oct-95	Same hubcap with standard pipe plug
343-4301	343-4046	Nov-97	Obsolete
343-4312	343-4092	Oct-95	Same hubcap with standard pipe plug
343-4317	343-4025	Oct-95	Same hubcap with standard pipe plug
343-4318	343-4024	Oct-95	Same hubcap with standard pipe plug
343-4319	343-4046	Oct-95	Same hubcap with standard pipe plug
343-4340	343-4263	Nov-97	Obsolete
343-4350	343-4370	Jan-06	Obsolete due to PSI system change
343-4351	343-4371	Jan-06	Obsolete due to PSI system change
343-4352	343-4372	Jan-06	Obsolete due to PSI system change
344-4009	343-4009	Aug-95	Obsolete Dirt Exclusion Oil hubcap
344-4013	343-4013	Aug-95	Obsolete Dirt Exclusion Oil hubcap

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# Engineering Changes

Various sets and components have been discontinued or replaced during STEMCO's many years of service to the industry. Wherever possible, suggested replacements are noted.

Discontinued	Replaced By	Date	Reason
344-4024	<b>343-4024</b>	Aug-95	Obsolete Dirt Exclusion Oil hubcap
344-4034	<b>343-4034</b>	Aug-95	Obsolete Dirt Exclusion Oil hubcap
344-4036	<b>343-4036</b>	Aug-95	Obsolete Dirt Exclusion Oil hubcap
344-4066	<b>343-4066</b>	Aug-95	Obsolete Dirt Exclusion Oil hubcap
344-4075	<b>343-4075</b>	Aug-95	Obsolete Dirt Exclusion Oil hubcap
344-4095	<b>343-4095</b>	Aug-95	Obsolete Dirt Exclusion Oil hubcap
344-4149	<b>343-4149</b>	Aug-95	Obsolete Dirt Exclusion Oil hubcap
344-4195	<b>343-4195</b>	Aug-95	Obsolete Dirt Exclusion Oil hubcap
344-4249	<b>343-4249</b>	Aug-95	Obsolete Dirt Exclusion Oil hubcap
344-4250	<b>343-4250</b>	Aug-95	Obsolete Dirt Exclusion Oil hubcap
344-4269	<b>343-4269</b>	Aug-95	Obsolete Dirt Exclusion Oil hubcap
344-4281	<b>343-4281</b>	Aug-95	Obsolete Dirt Exclusion Oil hubcap
345-4190	<b>343-4095</b>	Nov-97	Obsolete
345-4281	<b>343-4281</b>	Nov-97	Obsolete
345-4286	<b>340-4046</b>	Nov-97	Obsolete
345-4329	<b>343-4095</b>	Nov-97	Obsolete
346-Series	<b>340-Series</b>	Dec-93	Obsolete chrome hubcaps, use 340-Series
347-4019	<b>N/A</b>	Oct-95	Obsolete
347-4059	<b>N/A</b>	Oct-95	Obsolete
347-4122	<b>N/A</b>	Oct-95	Obsolete
355-5501	<b>N/A</b>	Oct-95	Obsolete
355-5502	<b>N/A</b>	Oct-95	Obsolete
355-5503	<b>N/A</b>	Oct-95	Obsolete
355-5505	<b>N/A</b>	Oct-95	Obsolete
355-5508	<b>N/A</b>	Oct-95	Obsolete
355-5510	<b>N/A</b>	Oct-95	Obsolete
355-5516	<b>N/A</b>	Oct-95	Obsolete
356-5606	<b>N/A</b>	Oct-95	Obsolete
357-5705	<b>N/A</b>	Oct-95	Obsolete
357-5708	<b>N/A</b>	Dec-84	Obsolete
357-5713	<b>N/A</b>	Oct-95	Obsolete
357-5715	<b>N/A</b>	Oct-95	Obsolete
357-5718	<b>N/A</b>	Oct-95	Obsolete
358-8001	<b>N/A</b>	Dec-84	Obsolete
358-8002	<b>N/A</b>	Oct-80	Obsolete
358-8011	<b>N/A</b>	Aug-81	Obsolete
358-8016	<b>N/A</b>	Aug-81	Obsolete
358-8017	<b>N/A</b>	Aug-81	Obsolete
359-5918	<b>359-5912</b>	May-96	Replace With Window Kit
359-5927	<b>359-5912</b>	May-79	Product Improvement
359-5928	<b>359-5918</b>	May-79	Product Improvement
359-5943	<b>N/A</b>	Feb-89	Obsolete
359-5955	<b>N/A</b>	Feb-84	Obsolete
359-5956	<b>N/A</b>	Feb-84	Obsolete
359-5959	<b>359-5999</b>	Jul-87	Product Improvement
359-5960	<b>N/A</b>	Aug-81	Obsolete
359-5961	<b>N/A</b>	Aug-81	Obsolete
359-5962	<b>N/A</b>	Sep-84	Obsolete
359-5967	<b>359-5912</b>	May-79	Product Improvement
359-5969	<b>359-5918</b>	May-79	Product Improvement
359-5983	<b>359-5999</b>	May-96	Replace With Window Kit
359-5984	<b>N/A</b>	Feb-85	Obsolete
359-5986	<b>N/A</b>	Feb-85	Obsolete
359-5989	<b>N/A</b>	Feb-85	Obsolete
359-5994	<b>359-5995</b>	May-96	Replace With Window Kit
359-5993	<b>359-6032</b>	Nov-87	Product Improvement

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# Engineering Changes

Various sets and components have been discontinued or replaced during STEMCO's many years of service to the industry. Wherever possible, suggested replacements are noted.

Discontinued	Replaced By	Date	Reason
359-5998	<b>359-5983</b>	Jan-87	Product Improvement
359-6062	<b>N/A</b>	Sept-98	Obsolete
359-6063	<b>N/A</b>	Sept-98	Obsolete
359-6086	<b>359-6094</b>	May-96	Replace With Window Kit
359-6087	<b>359-6095</b>	May-96	Replace With Window Kit
359-6088	<b>359-6096</b>	May-96	Replace With Window Kit
359-6091	<b>359-5983</b>	Aug-95	Obsolete
359-6092	<b>359-5994</b>	Aug-95	Obsolete
359-6093	<b>359-5918</b>	Aug-95	Obsolete
359-6097	<b>359-5999</b>	Aug-95	Obsolete
359-6098	<b>359-5995</b>	Aug-95	Obsolete
359-6099	<b>359-5912</b>	Aug-95	Obsolete
359-6107	<b>359-6113</b>	May-96	Replace With Window Kit
364-6403	<b>364-6435</b>	May-79	Product Improvement
364-6414	<b>N/A</b>	Oct-95	Obsolete
364-6416	<b>N/A</b>	Oct-95	Obsolete
364-6433	<b>N/A</b>	Oct-95	Obsolete
364-6437	<b>N/A</b>	Oct-95	Obsolete
364-6438	<b>N/A</b>	Oct-95	Obsolete
370-7002	<b>N/A</b>	Apr-84	Obsolete
370-7003	<b>372-7003</b>	Feb-90	Packaging Improvement
370-7004	<b>372-7004 Obsolete</b>	Feb-90	See comments under 372-7004
370-7005	<b>372-7005 Obsolete</b>	Feb-90	See comments under 372-7005
370-7006	<b>372-7006</b>	Feb-90	Packaging Improvement
370-7007	<b>372-7097</b>	Jan-76	Product Improvement/Grit Guard®
370-7008	<b>372-7008 Obsolete</b>	Feb-90	See comments under 372-7008
370-7009	<b>372-7009 Obsolete</b>	Feb-90	See comments under 372-7009
370-7011	<b>N/A</b>	Jan-85	Obsolete
370-7012	<b>372-7095</b>	Jan-76	Product Improvement/Grit Guard®
370-7013	<b>372-7098</b>	Feb-90	Product Improvement/Grit Guard®
370-7014	<b>372-7098</b>	Jan-76	Consolidate/Grit Guard®
370-7015	<b>372-7015</b>	Feb-90	Packaging Improvement
370-7016	<b>N/A</b>	Apr-84	Obsolete
370-7017	<b>372-7017 Obsolete</b>	Feb-90	See comments under 372-7017
370-7018	<b>372-7018 Obsolete</b>	Feb-90	See comments under 372-7018
370-7019	<b>N/A</b>	Apr-84	Obsolete
370-7020	<b>372-7020 Obsolete</b>	Feb-90	See comments under 372-7020
370-7022	<b>372-7022</b>	Feb-90	Packaging Improvement
370-7024	<b>372-7024</b>	Feb-90	Packaging Improvement
370-7025	<b>372-7025 Obsolete</b>	Feb-90	Obsolete
370-7026	<b>372-7026 Obsolete</b>	Feb-90	See comments under 372-7026
370-7027	<b>372-7027 Obsolete</b>	Feb-90	See comments under 372-7027
370-7028	<b>372-7028 Obsolete</b>	Feb-90	See comments under 372-7028
370-7030	<b>N/A</b>	Aug-81	Obsolete
370-7031	<b>372-7098</b>	Jan-76	Covers 1955 Axle/Grit Guard®
370-7032	<b>N/A</b>	Jan-80	Obsolete
370-7036	<b>N/A</b>	Jan-80	Obsolete
370-7043	<b>372-7097</b>	Feb-90	Product Improvement/Grit Guard®
370-7044	<b>372-7095</b>	Nov-89	Product Improvement/Grit Guard®
370-7045	<b>310-1007 &amp; 320-2007 available</b>	Mar-86	Obsolete Seal Set
370-7046	<b>372-7046</b>	Feb-90	Packaging Improvement
370-7048	<b>372-7048 Obsolete</b>	Feb-90	See comments under 372-7048
370-7049	<b>372-7049</b>	Feb-90	Packaging Improvement
370-7052	<b>N/A</b>	Jan-80	Obsolete
370-7053	<b>N/A</b>	Jan-80	Obsolete
370-7055	<b>372-7055 Obsolete</b>	Feb-90	See Comments under 372-7055

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Various sets and components have been discontinued or replaced during STEMCO's many years of service to the industry. Wherever possible, suggested replacements are noted.

Discontinued	Replaced By	Date	Reason
370-7056	<b>372-7056 Obsolete</b>	Feb-90	See Comments under 372-7056
370-7061	<b>320-2137 &amp; 310-1026</b>	Apr-84	Seal & ring available, bushing 364-6433 obsolete
370-7062	<b>372-7062</b>	Feb-90	Packaging Improvement
370-7091	<b>372-7091</b>	Feb-90	Packaging Improvement
370-7095	<b>372-7095</b>	Feb-90	Packaging Improvement
370-7096	<b>372-7096</b>	Feb-90	Packaging Improvement
370-7097	<b>372-7097</b>	Feb-90	Packaging Improvement
370-7098	<b>372-7098</b>	Feb-90	Packaging Improvement
370-7099	<b>372-7099</b>	Feb-90	Packaging Improvement
371-0013	<b>307-0713</b>	Jan-99	Obsolete
371-0023	<b>307-0723</b>	Jan-99	Obsolete
371-0043	<b>307-0743</b>	Jan-99	Obsolete
371-0201	<b>371-0023 &amp; 343-4075</b>	Mar-94	Obsolete
371-0202	<b>371-0023 &amp; 343-4195</b>	Mar-94	Obsolete
371-0203	<b>371-0043 &amp; 343-4009</b>	Mar-94	Obsolete
371-0204	<b>371-0043 &amp; 343-4013</b>	Mar-94	Obsolete
371-0205	<b>371-0013 &amp; 343-4009</b>	Mar-94	Obsolete
371-0206	<b>371-0023 &amp; 347-4075</b>	Mar-94	Obsolete
372-7004	<b>320-2041 still available</b>	Oct-95	Ring was 310-1054
372-7005	<b>N/A</b>	Oct-95	Obsolete
372-7008	<b>N/A</b>	Oct-95	Obsolete
372-7009	<b>N/A</b>	Oct-95	Ring was 310-1036
372-7012	<b>320-2040 &amp; 310-1037</b>	Oct-95	Components available
372-7013	<b>372-7098</b>	Jan-99	Obsolete
372-7017	<b>320-2041 still available</b>	Oct-95	Ring was 310-1044
372-7018	<b>320-2029 &amp; 310-1018</b>	Oct-95	Components available
372-7020	<b>320-2023 still available</b>	Oct-95	Ring was 310-1003
372-7023	<b>372-7099</b>	Feb-90	Product Improvement/Grit Guard®
372-7024	<b>320-2173 still available</b>		Ring was 310-1023
372-7025	<b>N/A</b>	Oct-95	Obsolete
372-7026	<b>320-2173 still available</b>	Oct-95	Ring was 310-1005
372-7027	<b>320-2173 still available</b>	Oct-95	Ring was 310-1006
372-7028	<b>320-2173 still available</b>	Oct-95	Ring was 310-1080
372-7043	<b>372-7097</b>	Jan-99	Obsolete
372-7044	<b>N/A</b>	Jan-99	Obsolete
372-7045	<b>310-1007 &amp; 320-2007 available</b>	Mar-86	Components available
372-7048	<b>320-2072 &amp; 310-1064</b>	Oct-95	Components available
372-7051	<b>320-2157 &amp; 310-1067</b>	Oct-95	Components available
372-7053	<b>320-2163 &amp; 310-1026</b>	Oct-95	Components available
372-7055	<b>320-2031 still available</b>	Oct-95	Ring was 310-1010
372-7056	<b>320-2031 still available</b>	Oct-95	Ring was 310-1114
372-7100	<b>N/A</b>	Nov-97	Obsolete
377-7713	<b>307-0713</b>	Jul-89	Packaging Improvement
377-7723	<b>307-0723</b>	Jul-89	Packaging Improvement
377-7743	<b>307-0743</b>	Jul-89	Packaging Improvement
377-7744	<b>307-0744</b>	Jul-89	Packaging Improvement
380-8001	<b>382-8001</b>	Feb-90	Packaging Improvement
380-8002	<b>N/A</b>	Dec-86	Obsolete
380-8004	<b>N/A</b>	Apr-84	Obsolete
380-8005	<b>382-8005</b>	Feb-90	Packaging Improvement
380-8006	<b>382-8001</b>	Nov-68	Product Improvement
380-8007	<b>382-8001</b>	Nov-68	Product Improvement
380-8008	<b>382-8008 Obsolete</b>	Feb-90	Obsolete
380-8009	<b>382-8009</b>	Feb-90	Packaging Improvement
380-8010	<b>382-8010</b>	Feb-90	Packaging Improvement
380-8011	<b>382-8011</b>	Feb-90	Packaging Improvement

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Discontinued	Replaced By	Date	Reason
380-8012	N/A	Oct-86	Obsolete
380-8013	N/A	Apr-84	Obsolete
380-8014	382-8052	Jan-78	Product Improvement
380-8015	382-8053	Mar-70	Axle Ring Change
380-8016	382-8016 Obsolete	Feb-90	Obsolete
380-8017	382-8017	Feb-90	Packaging Improvement
380-8018	382-8018 Obsolete	Feb-90	See comments under 382-8018
380-8019	382-8009	Apr-69	Product Improvement
380-8020	N/A	Oct-86	Obsolete
380-8021	382-8023 Obsolete	Oct-69	See comments under 382-8023
380-8023	382-8023 Obsolete	Feb-90	See comments under 382-8023
380-8025	382-8025 Obsolete	Feb-90	See comments under 382-8025
380-8026	N/A	Apr-84	Obsolete
380-8027	382-8027	Feb-90	Packaging Improvement
380-8028	382-8028	Feb-90	Packaging Improvement
380-8029	382-8029 Obsolete	Feb-90	See comments under 382-8029
380-8030	N/A	Feb-86	Obsolete
380-8032	382-8032	Feb-90	Packaging Improvement
380-8033	N/A	Apr-84	Obsolete
380-8034	382-8034	Feb-90	Packaging Improvement
380-8035	382-8035 Obsolete	Feb-90	Obsolete
380-8036	382-8036	Feb-90	Packaging Improvement
380-8037	382-8064	Jan-76	Clear 121 Brakes
380-8039	382-8039	Feb-90	Packaging Improvement
380-8040	N/A	Apr-84	Obsolete
380-8041	N/A	Apr-84	Obsolete
380-8042	382-8042	Feb-90	Packaging Improvement
380-8043	382-8043 Obsolete	Feb-90	Obsolete
380-8044	382-8044	Feb-90	Packaging Improvement
380-8045	382-8045	Feb-90	Packaging Improvement
380-8046	382-8053	Jan-78	Product Improvement
380-8047	382-8047 Obsolete	Apr-84	See comments under 382-8047
380-8050	N/A	Apr-84	Obsolete
380-8051	N/A	Apr-84	Obsolete
380-8052	382-8052	Feb-90	Packaging Improvement
380-8053	382-8053	Feb-90	Packaging Improvement
380-8054	382-8056	Dec-80	Product Improvement
380-8055	N/A	Dec-86	Obsolete
380-8056	382-8056	Feb-90	Packaging Improvement
380-8060	382-8060	Feb-90	Packaging Improvement
380-8061	382-8062	Apr-72	Product Improvement
380-8062	382-8062	Feb-90	Packaging Improvement
380-8063	382-8063	Feb-90	Packaging Improvement
380-8064	382-8064	Feb-90	Packaging Improvement
380-8066	382-8066	Feb-90	Packaging Improvement
380-8067	382-8056	May-78	Hub Bore Change
380-8068	N/A	Apr-84	Obsolete
380-8069	382-8069 Obsolete	Feb-90	See comments under 382-8069
380-8071	382-8071	Feb-90	Packaging Improvement
381-0014	N/A	Nov-97	Obsolete
381-0028	382-8028	Aug-95	Obsolete
381-0034	382-8034	Aug-95	Obsolete
381-0036	308-0836	Jan-99	Obsolete
381-0056	382-8056	Aug-95	Obsolete
381-0064	382-8064	Aug-95	Obsolete
381-0107	N/A	Nov-97	Obsolete

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Discontinued	Replaced By	Date	Reason
381-0301	<b>381-0036 &amp; 343-4034</b>	Mar-94	Obsolete
381-0302	<b>381-0036 &amp; 343-4013</b>	Mar-94	Obsolete
381-0303	<b>382-8056 &amp; 343-4281</b>	Mar-94	Obsolete
381-0304	<b>382-8064 &amp; 343-4149</b>	Mar-94	Obsolete
381-0305	<b>382-8064 &amp; 343-4281</b>	Mar-94	Obsolete
381-0306	<b>381-0036 &amp; 343-4149</b>	Mar-94	Obsolete
381-0307	<b>381-0036 &amp; 343-4024</b>	Mar-94	Obsolete
381-0309	<b>382-8028 &amp; 343-4036</b>	Mar-94	Obsolete
381-0310	<b>382-8028 &amp; 343-4281</b>	Mar-94	Obsolete
381-0311	<b>382-8034 &amp; 343-4066</b>	Mar-94	Obsolete
381-0312	<b>381-0148 &amp; 343-4269</b>	Mar-94	Obsolete
381-0313	<b>381-0150 &amp; 343-4295</b>	Mar-94	Obsolete
382-8001	<b>383-0101</b>	Mar-01	Obsolete - Replace w/Voyager®
382-8008	N/A	Jul-90	Obsolete
382-8016	N/A	Apr-90	Obsolete
382-8018	<b>320-2018 &amp; 310-1008</b>	Oct-95	Components available
382-8023	<b>320-2039 still available</b>	Oct-95	Ring was 310-1011
382-8025	<b>320-2031 &amp; 310-1036</b>	Oct-95	Components available
382-8029	<b>320-2029 still available</b>	Oct-95	Ring was 310-1029
382-8035	N/A	Oct-95	Obsolete
382-8039	<b>383-8139/383-8239</b>	Sept-99	Product Improvement Voyager®/Discover®
382-8043	N/A	May-90	Obsolete
382-8047	<b>320-2116 &amp; 310-1096</b>	Oct-95	Components available
382-8053	<b>308-0853 &amp; 383-0153</b>	Aug-02	Obsolete
382-8056	<b>308-0856 &amp; 383-0156</b>	May-00	Obsolete
382-8069	N/A	Oct-95	Obsolete
382-8071	<b>383-0171</b>	Jan-03	Obsolete
382-8073	<b>320-2063 &amp; 310-1013</b>	Oct-95	Components available
385-0836	<b>308-0836</b>	Oct-95	Aftermarket replacement
385-8027	<b>382-8027</b>	Oct-95	Aftermarket replacement
385-8029	<b>320-2029 still available</b>	Oct-95	Ring was 310-1029
385-8045	<b>382-8045</b>	Oct-95	Aftermarket replacement
387-8736	<b>308-0836</b>	Jul-89	Packaging Improvement
387-8753	<b>308-0853</b>	Jul-89	Packaging Improvement
387-8755	<b>308-0855</b>	Jul-89	Packaging Improvement
387-8756	<b>308-0856</b>	Jul-89	Packaging Improvement
387-8763	<b>308-0863</b>	Jul-89	Packaging Improvement
387-8764	<b>308-0864</b>	Jul-89	Packaging Improvement
387-8766	<b>308-0866</b>	Jul-89	Packaging Improvement
390-9001	<b>392-9001</b>	Feb-90	Packaging Improvement
390-9002	<b>392-9094</b>	Jan-76	Product Improvement/Grit Guard®
390-9003	<b>392-9094</b>	Feb-90	Product Improvement/Grit Guard®
390-9004	<b>392-9112</b>	Feb-90	Product Improvement/Grit Guard®
390-9005	<b>392-9088</b>	Jan-76	Product Improvement/Grit Guard®
390-9006	<b>392-9092</b>	Jul-89	Product Improvement/Grit Guard®
390-9007	<b>392-9007</b>	Feb-90	Packaging Improvement
390-9008	N/A	Jan-80	Obsolete
390-9010	<b>392-9010 Obsolete</b>	Feb-90	See comments under 392-9010
390-9012	<b>392-9012</b>	Feb-90	Packaging Improvement
390-9014	<b>392-9095</b>	Jan-76	Product Improvement/Grit Guard®
390-9015	<b>392-9099</b>	Jan-76	Product Improvement/Grit Guard®
390-9016	<b>392-9018</b>	Aug-69	Product Improvement
390-9018	<b>392-9018</b>	Feb-90	Packaging Improvement
390-9019	<b>392-9019 Obsolete</b>	Feb-90	See comments under 392-9019
390-9020	<b>392-9020 Obsolete</b>	Feb-90	See comments under 392-9020
390-9021	<b>392-9021 Obsolete</b>	Feb-90	See comments under 392-9021

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Discontinued	Replaced By	Date	Reason
390-9022	<b>392-9097</b>	Jan-76	Product Improvement/Grit Guard®
390-9023	<b>392-9001</b>	Jan-76	Product Improvement
390-9024	<b>392-9087</b>	Jan-76	Product Improvement/Grit Guard®
390-9025	<b>392-9096</b>	Jan-76	Product Improvement/Grit Guard®
390-9026	<b>392-9092</b>	Jan-76	Product Improvement/Grit Guard®
390-9027	<b>392-9087</b>	Jan-76	Product Improvement/Grit Guard®
390-9028	<b>392-9112</b>	Feb-90	Eliminate Locator Ring/Grit Guard®
390-9029	<b>392-9098</b>	Sep-70	Product Improvement/Grit Guard®
390-9030	<b>392-9098</b>	Jan-76	Product Improvement/Grit Guard®
390-9031	<b>392-9099</b>	Jan-76	Product Improvement/Grit Guard®
390-9032	<b>392-9032</b>	Feb-90	Packaging Improvement
390-9033	<b>392-9033 Obsolete</b>	Feb-90	See comments under 392-9033
390-9034	<b>392-9034</b>	Feb-90	Packaging Improvement
390-9035	<b>392-9035</b>	Feb-90	Packaging Improvement
390-9036	<b>392-9036</b>	Feb-90	Packaging Improvement
390-9037	<b>392-9037 Obsolete</b>	Feb-90	Obsolete
390-9038	<b>392-9038</b>	Feb-90	Packaging Improvement
390-9039	<b>N/A</b>	Feb-86	Obsolete
390-9040	<b>N/A</b>	Apr-84	Obsolete
390-9041	<b>N/A</b>	May-87	Obsolete
390-9042	<b>392-9020 Obsolete</b>	Jan-76	See comments under 392-9020
390-9043	<b>392-9043 Obsolete</b>	Feb-90	See comments under 392-9043
390-9044	<b>392-9098</b>	Jan-76	Product Improvement/Grit Guard®
390-9045	<b>392-9045</b>	Feb-90	Packaging Improvement
390-9046	<b>392-9046 Obsolete</b>	Feb-90	See comments under 392-9046
390-9047	<b>392-9112</b>	Feb-90	Product Improvement/Grit Guard®
390-9048	<b>392-9089</b>	Feb-90	Product Improvement
390-9049	<b>N/A</b>	Mar-86	Obsolete
390-9050	<b>392-9048 Obsolete</b>	Feb-82	See comments under 392-9048
390-9051	<b>N/A</b>	Feb-82	Obsolete
390-9052	<b>392-9096</b>	Jan-76	Product Improvement/Grit Guard®
390-9053	<b>392-9053</b>	Feb-90	Packaging Improvement
390-9054	<b>392-9054 Obsolete</b>	Feb-90	See comments under 392-9054
390-9055	<b>N/A</b>	Apr-84	Obsolete
390-9056	<b>392-9099</b>	Feb-90	Packaging Improvement/Grit Guard®
390-9057	<b>392-9057</b>	Feb-90	Packaging Improvement
390-9058	<b>N/A</b>	Aug-81	Obsolete
390-9059	<b>392-9131</b>	Jan-76	Product Improvement/Grit Guard®
390-9060	<b>392-9132</b>	Nov-89	Product Improvement/Grit Guard®
390-9061	<b>392-9095</b>	Jul-89	Product Improvement/Grit Guard®
390-9062	<b>392-9062</b>	Feb-90	Packaging Improvement
390-9063	<b>392-9063</b>	Feb-90	Packaging Improvement
390-9064	<b>392-9088</b>	Nov-89	Product Improvement/Grit Guard®
390-9065	<b>392-9096</b>	Jul-89	Product Improvement/Grit Guard®
390-9067	<b>N/A</b>	Apr-84	Obsolete
390-9070	<b>392-9087</b>	Jul-89	Product Improvement/Grit Guard®
390-9072	<b>392-9087</b>	Jan-76	Product Improvement/Grit Guard®
390-9073	<b>392-9098</b>	Feb-90	Product Improvement/Grit Guard®
390-9079	<b>392-9079 Obsolete</b>	Feb-90	Obsolete
390-9081	<b>392-9081</b>	Feb-90	Packaging Improvement
390-9082	<b>N/A</b>	Feb-84	Obsolete
390-9083	<b>N/A</b>	Apr-84	Obsolete
390-9087	<b>392-9087</b>	Feb-90	Packaging Improvement
390-9088	<b>392-9088</b>	Feb-90	Packaging Improvement
390-9089	<b>392-9089</b>	Feb-90	Packaging Improvement
390-9090	<b>392-9112</b>	Feb-90	Packaging Improvement

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Discontinued	Replaced By	Date	Reason
390-9092	<b>392-9092</b>	Feb-90	Packaging Improvement
390-9094	<b>392-9094</b>	Feb-90	Packaging Improvement
390-9095	<b>392-9095</b>	Feb-90	Packaging Improvement
390-9096	<b>392-9096</b>	Feb-90	Packaging Improvement
390-9097	<b>392-9132</b>	Feb-90	Packaging Improvement
390-9098	<b>392-9131</b>	Feb-90	Packaging Improvement
390-9099	<b>392-9099</b>	Feb-90	Packaging Improvement
390-9109	<b>392-9111</b>	Jun-87	Product Improvement
390-9111	<b>392-9111</b>	Feb-90	Packaging Improvement
391-0003	<b>309-0903</b>	Aug-95	Obsolete Replace with Guardian®
391-0004	<b>309-0904</b>	Aug-95	Obsolete Replace with Guardian®
391-0008	N/A	Aug-95	Obsolete
391-0012	<b>309-0912</b>	Aug-95	Obsolete Replace with Guardian®
391-0023	N/A	Aug-95	Obsolete
391-0060	<b>309-0960</b>	Aug-95	Obsolete Replace with Guardian®
391-0064	<b>309-0964</b>	Aug-95	Obsolete Replace with Guardian®
391-0070	<b>309-0970</b>	Aug-95	Obsolete Replace with Guardian®
391-0073	<b>309-0973</b>	Jan-99	Obsolete
391-0113	N/A	Nov-97	Obsolete
391-0116	N/A	Aug-95	Obsolete
391-0132	N/A	Nov-97	Obsolete
391-0155	N/A	Nov-97	Obsolete
392-9003	<b>392-9094</b>	Jan-99	Obsolete
392-9006	<b>320-2131 &amp; 310-1026</b>	Oct-95	Components available
392-9010	N/A	Oct-95	Seal was 320-2010
392-9019	N/A	Oct-95	Obsolete
392-9020	<b>320-2115 still available</b>	Oct-95	Ring was 310-1113
392-9021	<b>320-2021 still available</b>	Oct-95	Ring was 310-1021
392-9033	<b>310-1093 still available</b>	Oct-95	Seal was 320-2058
392-9034	<b>393-0134</b>	Jan-03	Obsolete
392-9037	N/A	Oct-95	Obsolete, seal was 320-2062
392-9043	N/A	Oct-95	Ring was 310-1083
392-9046	N/A	Oct-95	Obsolete, seal was 320-2092, ring was 310-1021
392-9048	<b>320-2097 &amp; 310-1067</b>	Oct-95	Components available
392-9054	N/A	Oct-95	Seal was 320-2008
392-9056	<b>392-9099</b>	Jan-99	Obsolete
392-9060	<b>392-9132</b>	Jan-99	Obsolete
392-9061	<b>320-2117 still available</b>	Oct-95	Ring was 310-1014
392-9064	<b>392-9088</b>	Jan-99	Obsolete
392-9065	<b>392-9096</b>	Jan-99	Obsolete
392-9076	<b>320-2106 &amp; 310-1116</b>	Oct-95	Components available
392-9079	N/A	Oct-95	Obsolete, seal was 320-2180, ring was 310-1118
392-9070	<b>392-9087</b>	Jan-99	Obsolete
392-9073	<b>392-9131</b>	Jan-99	Obsolete
392-9090	<b>392-9112</b>	Feb-90	Product Improvement
392-9097	<b>392-9132</b>	Jan-97	Product Improvement
392-9098	<b>392-9131</b>	Jan-97	Product Improvement
392-9102	<b>320-2039 still available</b>	Oct-95	Ring was 310-1122
392-9116	<b>310-1067 still available</b>	Oct-95	Seal was 320-2178
392-9117	<b>320-2137 &amp; 315-1508</b>	Oct-95	Components available
392-9118	N/A	Oct-95	Obsolete
392-9119	<b>320-2036 still available</b>	Oct-95	Ring was 310-1114
392-9120	<b>310-1107 still available</b>	Oct-95	Seal was 320-2146
392-9122	<b>320-2059 &amp; 310-1067</b>	Oct-95	Components available
392-9123	<b>320-2007 &amp; 310-1007</b>	Oct-95	Components available
392-9124	<b>320-2021 &amp; 310-1079</b>	Oct-95	Components available

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Discontinued	Replaced By	Date	Reason
395-9001	<b>392-9001</b>	Oct-95	Aftermarket replacement
395-9038	<b>392-9038</b>	Oct-95	Aftermarket replacement
395-9088	<b>392-9088</b>	Oct-95	Aftermarket replacement
395-9096	<b>392-9096</b>	Oct-95	Aftermarket replacement
395-9098	<b>392-9131</b>	Oct-95	Aftermarket replacement
397-9703	<b>309-0903</b>	Jul-89	Packaging Improvement
397-9704	<b>309-0904</b>	Jul-89	Packaging Improvement
397-9712	<b>309-0912</b>	Jul-89	Packaging Improvement
397-9715	<b>309-0915</b>	Jul-89	Packaging Improvement
397-9735	<b>309-0935</b>	Jul-89	Packaging Improvement
397-9748	<b>309-0948</b>	Jul-89	Packaging Improvement
397-9757	<b>309-0957</b>	Jul-89	Packaging Improvement
397-9760	<b>309-0960</b>	Jul-89	Packaging Improvement
397-9761	<b>309-0961</b>	Jul-89	Packaging Improvement
397-9764	<b>309-0964</b>	Jul-89	Packaging Improvement
397-9765	<b>309-0965</b>	Jul-89	Packaging Improvement
397-9770	<b>309-0970</b>	Jul-89	Packaging Improvement
397-9773	<b>309-0973</b>	Jul-89	Packaging Improvement
419-1901	<b>460-6012</b>	Oct-95	Set still available
419-1939	<b>460-6007</b>	Oct-95	Set still available
419-1940	<b>460-6006</b>	Oct-95	Set still available
419-1941	<b>460-6011</b>	Oct-95	Set still available
419-1946	<b>460-6001/6002/6009</b>	Oct-95	Set still available
419-1981	<b>460-6003</b>	Oct-95	Set still available
419-1982	<b>460-6004/6005</b>	Oct-95	Set still available
419-1983	<b>460-6083</b>	Oct-95	Set still available
419-1984	<b>460-6084</b>	Oct-95	Set still available
429-2901	<b>460-6012</b>	Oct-95	Set still available
429-2937	<b>460-6006/6007/6084</b>	Oct-95	Set still available
429-2938	<b>460-6006/6007/6084</b>	Oct-95	Set still available
429-2941	<b>460-6011/6083</b>	Oct-95	Set still available
429-2944	<b>460-6001</b>	Oct-95	Set still available
429-2945	<b>460-6001</b>	Oct-95	Set still available
429-2977	<b>460-6003</b>	Oct-95	Set still available
429-2978	<b>460-6003</b>	Oct-95	Set still available
429-2979	<b>460-6004</b>	Oct-95	Set still available
429-2980	<b>460-6004</b>	Oct-95	Set still available
429-2982	<b>460-6005</b>	Oct-95	Set still available
429-2983	<b>460-6002</b>	Oct-95	Set still available
429-2988	<b>N/A</b>		
460-6008	<b>N/A</b>	Feb-94	Obsolete
460-6009	<b>N/A</b>	May-90	Obsolete
460-6013	<b>N/A</b>	Apr-91	Obsolete
550-5002	<b>555-5002</b>	Feb-90	Product Improvement
550-5004	<b>555-5004</b>	Feb-90	Product Improvement
550-5007	<b>555-5007</b>	Feb-90	Product Improvement
550-5011	<b>555-5011</b>	Feb-90	Product Improvement
550-5013	<b>N/A</b>	Apr-69	Obsolete
550-5014	<b>555-5014</b>	Feb-90	Product Improvement
550-5017	<b>N/A</b>	Aug-81	Obsolete 308-8011 Dust Shield
550-5018	<b>N/A</b>	Aug-81	Obsolete 308-9058 Set
550-5019	<b>N/A</b>	Aug-81	Obsolete 308-8016 Dust Shield
550-5020	<b>N/A</b>	Aug-81	Obsolete 308-8017 Dust Shield
550-5023	<b>555-5023</b>	Feb-90	Product Improvement
550-5027	<b>N/A</b>	Feb-84	Obsolete
550-5031	<b>555-5031</b>	Feb-90	Product Improvement

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# Engineering Changes

Various sets and components have been discontinued or replaced during STEMCO's many years of service to the industry. Wherever possible, suggested replacements are noted.

Discontinued	Replaced By	Date	Reason
550-5039	<b>555-5039</b>	Feb-90	Product Improvement
550-5051	<b>555-5004</b>	Apr-69	Duplicate Tool
550-5053	<b>N/A</b>	Feb-84	Obsolete
550-5060	<b>555-5060</b>	Feb-90	Product Improvement
550-5061	<b>555-5061</b>	Feb-90	Product Improvement
550-5062	<b>555-5062</b>	Feb-90	Product Improvement
550-5064	<b>555-5064</b>	Feb-90	Product Improvement
550-5065	<b>550-5008</b>	Apr-69	Duplicate Tool
550-5066	<b>555-5066</b>	Feb-90	Product Improvement
550-5068	<b>555-5069</b>	Apr-69	Duplicate Tool
550-5069	<b>555-5069</b>	Feb-90	Product Improvement
550-5070	<b>555-5070</b>	Feb-90	Product Improvement
550-5071	<b>555-5071</b>	Feb-90	Product Improvement
550-5072	<b>555-5072</b>	Feb-90	Product Improvement
550-5074	<b>555-5074</b>	Feb-90	Product Improvement
550-5075	<b>555-5072</b>	Apr-69	Duplicate Tool
550-5076	<b>555-5076</b>	Feb-90	Product Improvement
550-5080	<b>N/A</b>	Feb-84	Obsolete
550-5086	<b>N/A</b>	Feb-84	Obsolete
550-5087	<b>N/A</b>	Feb-84	Obsolete
550-5088	<b>555-5088</b>	Feb-90	Product Improvement
550-5089	<b>555-5089</b>	Feb-90	Product Improvement
550-5090	<b>N/A</b>	Feb-84	Obsolete
550-5092	<b>N/A</b>	Feb-84	Obsolete
550-5098	<b>555-5098</b>	Feb-90	Product Improvement
550-5099	<b>555-5011</b>	Feb-84	Obsolete
550-5100	<b>555-5100</b>	Feb-90	Product Improvement
551-5304	<b>N/A</b>	Oct-95	Obsolete
551-5305	<b>N/A</b>	Dec-83	Obsolete
551-5322	<b>551-5412</b>	Dec-97	Product Improvement
551-5326	<b>N/A</b>	Mar-08	Obsolete
551-5329	<b>N/A</b>	Oct-95	Obsolete
551-5338	<b>N/A</b>	Oct-95	Obsolete
551-5348	<b>N/A</b>	Oct-95	Obsolete
551-5358	<b>N/A</b>	Oct-95	Obsolete
551-5379	<b>N/A</b>	Oct-95	Obsolete
551-5380	<b>N/A</b>	Oct-95	Obsolete
551-5382	<b>N/A</b>	Oct-95	Obsolete
551-5397	<b>551-5405</b>	Jul-86	Product Improvement
551-5399	<b>551-5322</b>	Jul-85	Obsolete
552-5201	<b>See Catalog</b>	Mar-08	Use appropriate 555 series tool
552-5202	<b>N/A</b>	Aug-81	Obsolete 370-7030 Set
552-5203	<b>See catalog</b>	Oct-95	Use appropriate 555 series tool
552-5204	<b>552-5227</b>	Jan-93	Design Improvement
552-5205	<b>See catalog</b>	Oct-95	Use appropriate 555 series tool
552-5208	<b>552-5230</b>	Jan-93	Design Improvement
552-5209	<b>See catalog</b>	Oct-95	Use appropriate 555 series tool
552-5217	<b>552-5221</b>	Jan-93	Design Improvement
552-5218	<b>See catalog</b>	Oct-95	Use appropriate 555 series tool
552-5219	<b>See catalog</b>	Oct-95	Use appropriate 555 series tool
552-5220	<b>See Catalog</b>	Mar-08	Use appropriate 555 series tool
552-5226	<b>See Catalog</b>	Mar-08	Use appropriate 555 series tool
552-5227	<b>See catalog</b>	Oct-95	Use appropriate 555 series tool
552-5229	<b>552-5239</b>	Jan-93	Design Improvement
552-5230	<b>See Catalog</b>	Mar-08	Use appropriate 555 series tool
552-5240	<b>552-5203</b>	Jan-93	Design Improvement

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# Engineering Changes

Various sets and components have been discontinued or replaced during STEMCO's many years of service to the industry. Wherever possible, suggested replacements are noted.

Discontinued	Replaced By	Date	Reason
552-5233	See Catalog	Mar-08	Use appropriate 555 series tool
552-5241	<b>552-5289</b>	Jan-93	Design Improvement
552-5245	See catalog	Oct-95	Use appropriate 555 series tool
552-5251	N/A	Mar-81	Obsolete
552-5254	See catalog	Oct-95	Use appropriate 555 series tool
552-5255	N/A	Feb-84	Obsolete
552-5257	See catalog	Oct-95	Use appropriate 555 series tool
552-5261	N/A	Aug-81	Obsolete
552-5265	N/A	Aug-81	Obsolete
552-5266	N/A	Feb-84	Obsolete
552-5272	See catalog	Oct-95	Use appropriate 555 series tool
552-5275	<b>552-5288</b>	Jun-78	Product Compatibility
552-5283	See catalog	Oct-95	Use appropriate 555 series tool
552-5284	See catalog	Oct-95	Use appropriate 555 series tool
552-5289	See catalog	Oct-95	Use appropriate 555 series tool
552-5290	See catalog	Oct-95	Use appropriate 555 series tool
552-5291	N/A	Aug-00	Obsolete
552-5292	N/A	Aug-00	Obsolete
552-5293	N/A	Aug-00	Obsolete
552-5294	N/A	Aug-00	Obsolete
552-5297	See catalog	Oct-95	Use appropriate 555 series tool
553-5300's All except as follows	<b>551-5300's All</b>	Feb-82	Material Change
553-5306	<b>551-5353</b>	Mar-80	Product Improvement
553-5313	<b>551-5401</b>	Dec-84	Product Improvement
553-5316	<b>551-5400</b>	Feb-82	Product Improvement
553-5330	N/A	Mar-81	Obsolete
553-5348 (320-2048)	<b>551-5322 (320-2110)</b>	Mar-76	Obsolete Seal
553-5350	<b>551-5347</b>	Apr-69	Obsolete
553-5354	<b>551-5316</b>	Apr-69	Product Improvement
553-5358 (320-2033)	<b>551-5327 (320-2137)</b>	Jan-76	Obsolete Seal
553-5358 (320-2040)	<b>551-5321 (320-2118)</b>	Oct-83	Obsolete Seal
553-5360	N/A	Aug-81	Obsolete
553-5389 (320-2014)	<b>551-5325 (320-2117)</b>	Mar-71	Obsolete Seal
553-5392 (320-2024)	<b>551-5333 (320-2162)</b>	Jan-76	Obsolete Seal
555-5038	N/A	Oct-95	Obsolete
555-5081	N/A	Mar-08	Obsolete
555-5085	N/A	Oct-95	Obsolete
555-5091	N/A	Oct-95	Obsolete
555-5104	N/A	Oct-95	Obsolete
555-5206	N/A	Oct-95	Obsolete
555-5206	N/A	Oct-95	Obsolete
558-5800's series	<b>551-series</b>	Jul-84	Obsolete
558-5959	N/A	Oct-95	Obsolete
558-5960	N/A	Oct-95	Obsolete
558-5961	N/A	Oct-95	Obsolete
558-5962	N/A	Oct-95	Obsolete
570-0030	N/A	Oct-95	Obsolete
610-0043	N/A	Nov-97	Obsolete
610-0044	N/A	Nov-97	Obsolete
610-0082	N/A	Nov-97	Obsolete
610-0085	<b>610-0028</b>	Nov-97	Obsolete
640-0009	N/A	Nov-97	Obsolete
641-0017	<b>330-3013</b>	Nov-97	Obsolete
641-0018	<b>330-3015</b>	Nov-97	Obsolete
641-0025	<b>330-3056</b>	Nov-97	Obsolete

# Engineering Changes

Various sets and components have been discontinued or replaced during STEMCO's many years of service to the industry. Wherever possible, suggested replacements are noted.

Discontinued	Replaced By	Date	Reason
641-0026	N/A	Nov-97	Obsolete
641-0027	N/A	Nov-97	Obsolete
900-0204	N/A	Nov-97	Obsolete
900-0210	N/A	Nov-97	Obsolete
900-0256	N/A	Nov-97	Obsolete
900-0257	N/A	Nov-97	Obsolete
900-0272	N/A	Nov-97	Obsolete
900-0311	<b>900-0363</b>	May-03	Obsolete
900-0362	N/A	Nov-97	Obsolete
900-1085	N/A	Nov-97	Obsolete

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# Cross Reference


Information contained in this section is furnished as a guide.  
Verify specific application elsewhere in this catalog when possible.

Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
003102611	Western Star	<b>310-1037</b>				
01005503	Dexter		<b>372-7097</b>	<b>307-0743</b>	<b>373-0143</b>	<b>373-0243</b>
02000655	Timpte	<b>330-3009</b>				
02009111	Timpte		<b>372-7097</b>	<b>307-0743</b>	<b>373-0143</b>	<b>373-0243</b>
02009913	Timpte	<b>340/343-4009</b>				
027003942	GMC/Volvo	<b>343-4249</b>				
027023479	Western Star	<b>343-4095</b>				
027074450	GMC/Volvo	<b>320-2106</b>				
027074962	GMC/Volvo		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
027077882	Western Star	<b>310-1111</b>				
027125816	GMC/Volvo		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
1008569	Eaton	<b>330-3009</b>				
100858201	Eaton		<b>382-8036</b>	<b>308-0836</b>	<b>383-0136</b>	<b>383-0236</b>
100858401	Eaton		<b>382-8036</b>	<b>308-0836</b>	<b>383-0136</b>	<b>383-0236</b>
10895522	GMC/Volvo			<b>308-0870</b>		
11724	Dexter	<b>320-2110</b>				
119427	Eaton	<b>460-6002</b>				
119429	Eaton	<b>460-6006</b>				
119431	Eaton	<b>460-6001</b>				
119457	Eaton	<b>460-6002</b>				
1199A1665	Meritor		<b>392-9021</b>			
1199B1614	Meritor		<b>392-9021</b>			
1199B1666	Meritor	<b>310-1111</b>				
1199E1669	Meritor	<b>315-1502</b>				
1199G1151	Meritor	<b>310-1095</b>				
1199J2428	Meritor		<b>392-9087</b>	<b>309-0970</b>		
1199N2926	Meritor					
1199R2722	Meritor	<b>310-1018</b>				
1199S3633	Meritor	<b>310-1008</b>				
1199U2517	Meritor	<b>310-1037</b>				
1199V1296	Meritor	<b>310-1012/1091</b>				
1199Y3431	Meritor	<b>315-1502</b>				
1199Z3094	Meritor	<b>315-1504</b>				
1199Z3146	Meritor		<b>392-9087</b>	<b>309-0970</b>		
1204	C/R		<b>382-8025</b> 			
1205	C/R		<b>392-9018</b>			
1207	C/R		<b>392-9096</b>	<b>309-0965</b>		
1208	C/R		<b>392-9132</b>	<b>309-0960</b>		
1211	C/R		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
1212	C/R		<b>392-9062</b>			
1213	C/R		<b>392-9087</b>	<b>309-0970</b>		
1214	C/R		<b>392-9099</b>	<b>309-0912/0915</b> <sup>2</sup>	<b>393-0112</b>	<b>393-0212</b>
1215	C/R		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
1216	C/R		<b>392-9087</b>	<b>309-0970</b>		
1219	C/R		<b>392-9057</b>	<b>309-0957</b>		
121SR19	Mack	<b>330-3009</b>				
1225L948	Meritor	<b>364-6435</b>				
12375801	A M General	<b>340-4296</b>				
1244N1210	Meritor	<b>310-1066</b>				
1244U879	Meritor	<b>310-1089</b>				
127043	Eaton	<b>320-2106</b>				
127044	Eaton	<b>310-1111</b>				
127719	Eaton	<b>460-6006</b>				
127720	Eaton	<b>460-6001</b>				
127721	Eaton	<b>460-6002</b>				
128113	Crane	<b>330-3009</b>				

 When using HM516449A, use 392-9130 set.

 Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

 Obsolete set, components still available.

 Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

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Shaded numbers indicate obsolete part numbers, refer to Engineering Changes for more information.

# Cross Reference

Information contained in this section is furnished as a guide.  
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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
1282	C/R	340-4975				
1283	C/R	640-0003				
1284	C/R	349-4975				
128355	Eaton	320-2102				
128356	Eaton	315-1501				
1306	C/R		392-9038			
1307	C/R		392-9035	309-0935		
1308	C/R		392-9099	309-0912/0915}2}	393-0112	393-0212
1311	C/R	349-4024				
1321	C/R		392-9018			
1322	C/R		392-9057	309-0957		
1343	C/R	349-4009				
13567	Crane	320-2137				
13568	Crane	320-2106				
1399	C/R	349-4195				
1436860008	Westport	343-4024				
1436860010	Westport	343-4249				
1436860011	Westport	343-4095				
1436900006	Westport		382-8036	308-0836	383-0136	383-0236
1436900007	Westport		372-7097	307-0743	373-0143	373-0243
15507089	GMC		382-8064	308-0864	383-0164	383-0264
15511620	GMC/Volvo	359-5970				
15519908	GMC/Volvo		382-8071		383-0171	
15519910	GMC/Volvo	320-2216				
15520072	GMC/Volvo		382-8009			
15520073	GMC/Volvo	343-4198				
15527755	GMC/Volvo		382-8063	308-0863		
15527780	GMC/Volvo		382-8053	308-0853	383-0153	
15527781	GMC/Volvo		392-9033			
15534441	GMC/Volvo	359-5968				
1554331C1	Navistar		382-8036	308-0836	383-0136	383-0236
15550869	GMC/Volvo		392-9131	309-0973	393-0173	393-0273
15556130	GMC/Volvo	343-4249				
15556131	GMC/Volvo	330-3122				
15557677	GMC/Volvo		392-9131	309-0973	393-0173	393-0273
15557678	GMC/Volvo		392-9099	309-0912	393-0112	393-0212
15587578	GMC/Volvo	340-4263				
15587579	GMC/Volvo	340-4263				
15588691	GMC/Volvo					
15588692	GMC/Volvo					
15588693	GMC/Volvo					
15611171	GMC/Volvo		382-8029			
15611171	GMC/Volvo		392-9018			
15663537	GMC/Volvo		382-8036	308-0836	383-0136	383-0236
15679880	GMC/Volvo		392-9131	309-0973	393-0173	393-0273
15679881	GMC/Volvo		392-9099	309-0912	393-0112	393-0212
15687419	GMC/Volvo		382-8064	308-0864	383-0164	383-0264
15703555	GMC/Volvo		392-9099	309-0912	393-0112	393-0212
15844467	GMC/Volvo			308-0870		
15965961	GMC/Volvo	320-2029				
15965962	GMC/Volvo	310-1018				
15982869	GMC/Volvo		392-9131	309-0973	393-0173	393-0273
1600	CR	347-4009				
1608	CR	340-4065				
1609948C1	Navistar	320-2106				
1611843C91	Navistar		382-8036	308-0836	383-0136	383-0236

1 When using HM516449A, use 392-9130 set.

2 Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

3 Obsolete set, components still available.

4 Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

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Shaded numbers indicate obsolete part numbers, refer to Engineering Changes for more information.

# Cross Reference

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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
1612	CR	343-4024				
1612823C1	Navistar		382-8056	308-0856	383-0156	
1612877C91	Navistar		382-8064	308-0864	383-0164	383-0264
1613	CR	343-4249				
1615304C1	Navistar		382-8036	308-0836	383-0136	383-0236
1615305C1	Navistar		392-9131	309-0973	393-0173	393-0273
1623	C/R	343-4066				
1627	C/R	343-4019				
1630	CR	343-4014				
1642	C/R	343-4013				
1643	CR	343-4009				
1643	C/R	343-4249				
1644	CR	343-4009				
1649628C1	Navistar		372-7097	307-0743	373-0143	373-0243
1654330C1	Navistar		392-9099	309-0912/0915}2}	393-0112	393-0212
1654331C1	Navistar		382-8036	308-0836	383-0136	383-0236
1655102C1	Navistar		382-8056	308-0856	383-0156	
1657081C91	Navistar	343-4249				
1659759C91	Navistar		382-8066	308-0866	383-0166	
1660383C91	Navistar	340-4332				
1660994C1	Navistar		382-8064	308-0864	383-0164	383-0264
1663974C91	Navistar		392-9036			
166437R91	Navistar		392-9099	309-0912/0915}2}	393-0112	393-0212
1665	C/R	343-4042				
1669	C/R	343-4025				
1670	C/R	343-4072				
1680802C1	Navistar		392-9131	309-0973	393-0173	393-0273
1681	C/R	343-4186				
1682	C/R	343-4075				
1685942C91	Navistar		392-9088	309-0964		
1688203C1	Navistar		382-8036	308-0836	383-0136	383-0236
1691	CR	340-4098				
16911843C91	Navistar		382-8036	308-0836	383-0136	383-0236
1696	C/R	343-4195				
1698	CR	340-4080				
1698	C/R	343-4164				
1702	C/R	343-4036				
1703	C/R	343-4249				
1704	C/R	343-4049				
1711	C/R	343-4024				
1715	C/R	343-4028				
1720	C/R	343-4082				
1723	C/R	343-4066				
1727	C/R	343-4019				
1732	C/R	340-4070				
1736	C/R	343-4012				
1737	C/R	340-4015				
1738	C/R	343-4011				
1741	C/R	343-4059				
1742	C/R	343-4013				
1743	C/R	343-4009				
1743	C/R	343-4046				
1743	C/R	343-4095				
1753	C/R	343-4249				
1754	C/R	343-4057				
1764	C/R	340-4037				

■ When using HM516449A, use 392-9130 set.

■ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

■ Obsolete set, components still available.


■ Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.


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Shaded numbers indicate obsolete part numbers, refer to Engineering Changes for more information.


# Cross Reference


Information contained in this section is furnished as a guide.  
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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
1765	C/R	343-4042				
1768	C/R	340-4031 				
1769	C/R	343-4025				
1770	C/R	343-4034				
1781	C/R	343-4186				
1787	C/R	343-4092				
1788	C/R	343-4249				
1790	C/R	343-4098				
1798	C/R	343-4080				
1800	C/R	347-4009				
1801	C/R	347-4013				
1803	C/R	343-4149				
1808	C/R	343-4065				
1811	C/R	343-4024				
1823	C/R	343-4042				
1827	C/R	343-4002				
1842	C/R	343-4013				
1843	C/R	343-4009				
1843	C/R	343-4046				
1843	C/R	343-4095				
1865	C/R	343-4066				
1869	C/R	343-4025				
1870	C/R	343-4034				
1881	C/R	343-4028				
1890	C/R	343-4249				
1898	C/R	343-4080				
19QJ238	Mack	343-4025				
19QJ29302A	Mack	343-4024/4308				
19QJ29304	Mack	343-4095				
19QJ29304A	Mack	343-4095/4309				
19QJ310	Mack	343-4025				
19QJ313	Mack	343-4009				
19QJ318	Mack	343-4098				
19QJ319	Mack	343-4249				
19QJ324	Mack	343-4095				
19QJ325	Mack	343-4092				
19QJ325P2	Mack	343-4092/4312				
19QJ332	Mack	343-4249				
19QJ334	Mack	343-4024				
19QJ335	Mack	343-4264				
19QJA29302	Mack	343-4024				
19QJA29304	Mack	343-4095				
19QJA310	Mack	343-4025				
19QJA310P1	Mack	343-4025				
19QJA315	Mack	343-4057				
19QJA319	Mack	343-4249				
19QJA320	Mack	343-4249				
2009947C91	Navistar	343-4281				
2029409	GMC/Volvo	320-2102				
2033466C91	Navistar	343-4065				
2033863C91	Navistar	343-4009				
2034224	GMC/Volvo		382-8032			
2034230	GMC/Volvo		382-8017			
2034237	GMC/Volvo		392-9057	309-0957		
203452	Manac	330-3009/3067				
203453	Manac	343-4009				

 When using HM516449A, use 392-9130 set.

 Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

 Obsolete set, components still available.

 Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

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Shaded numbers indicate obsolete part numbers, refer to Engineering Changes for more information.



# Cross Reference

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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
203467	Manac	315-1504				
203469	Manac	310-1048				
203470	Manac	320-2110				
2036166	GMC/Volvo	315-1501				
2039149	GMC/Volvo		382-8017			
2039419	GMC/Volvo		382-8017			
2045996	GMC/Volvo		382-8001		383-0101	
2056780	GMC/Volvo	359-5991				
2059246	GMC/Volvo	359-5995				
2064489	GMC/Volvo		392-9057	309-0957		
2071314	Crane	310-1037				
2071319	Crane	310-1111				
2071760	Crane	315-1502				
2078026	GMC/Volvo		392-9132	309-0960		
2079222	GMC/Volvo	359-5990				
2094440	GMC/Volvo	320-2029				
2099450	GMC/Volvo	320-2104				
2208A885	Meritor	330-3060				
2208C575	Meritor	330-3009				
2208C835	Meritor	330-3040				
2208E889	Meritor	330-3024				
2208N820	Meritor	330-3097				
2208U1113	Meritor	330-3118				
2222	National					
2245A27	Meritor	310-1089				
2297M6981	Meritor	315-1525				
2302130	GMC/Volvo	310-1123				
231206	National		392-9111			
2317614	GMC/Volvo		392-9131	309-0973	393-0173	393-0273
23590	C/R PlusXL				383-0175	
240694R1	Navistar	359-6032				
2413360	GMC/Volvo		392-9053			
2428573	GMC/Volvo	343-4042				
2444414	GMC/Volvo	343-4066				
2455044	GMC/Volvo	330-3009				
2455048	GMC/Volvo	310-1012				
2455091	GMC/Volvo	310-1034				
2455092	GMC/Volvo	320-2034				
2455093	GMC/Volvo	330-3041				
2455943	GMC/Volvo	320-2017				
2455944	GMC/Volvo	310-1017				
2456738	GMC/Volvo	320-2008				
2456739	GMC/Volvo	310-1079				
2477708	GMC/Volvo	320-2036				
2485338	GMC/Volvo	310-1018				
2498220	GMC/Volvo		382-8064	308-0864	383-0164	383-0264
254032C91	Navistar		392-9053			
260421C1	Navistar	343-4092				
26378	C/R	460-6002				
2674	National		382-8044			
2708026	GMC/Volvo		392-9132	309-0960		
27430	C/R					
27438	C/R		382-8043			
27461	C/R	460-6005				
27467	C/R	460-6005				
27500	C/R	460-6005				

■ When using HM516449A, use 392-9130 set.

■ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

■ Obsolete set, components still available.

■ Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

(Continued Next Page)

Shaded numbers indicate obsolete part numbers, refer to Engineering Changes for more information.

# Cross Reference

Information contained in this section is furnished as a guide.  
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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
27558 2757682 277428C91	C/R GMC/Volvo Navistar	460-6004 <b>320-2029</b>	392-9096	309-0965		
278616C91 280886C91 283109C1	Navistar Navistar Navistar	320-2117 <b>359-5995</b>	392-9099	309-0912/0915 ☒	393-0112	393-0212
283110C1 283111C1 283112C1	Navistar Navistar Navistar	359-5990 359-5997 359-5992				
283113C1 283114C1 28425	Navistar Navistar CR	359-5996 359-5991	392-9063			
28426 286517C91 286518C1	CR Navistar Navistar	<b>320-2137</b> <b>310-1037</b>	392-9063			
28745 28758 28820	C/R C/R C/R		382-8066 382-8066 372-7046	308-0866 308-0866	383-0166 383-0166	
28828 28830 28832	C/R C/R C/R		382-8018 ☒ 382-8044 382-8044			
29288 29292 29480	C/R C/R C/R PlusXL	460-6003 460-6006			383-0176	
2960381 296393C91 296395C91	Dodge Navistar Navistar		392-9010 382-8036 392-9088	308-0836 309-0964	383-0136	383-0236
296409C91 296436C1 296438C91	Navistar Navistar Navistar	<b>320-2010</b> <b>330-3036</b>				
296441C91 29912 29961	Navistar C/R C/R	460-6007 460-6007	372-7099 392-9095	307-0713 309-0961	373-0113	373-0213
29QJ110A 29QJ123 29QJ127	Mack Mack Mack		382-8023 382-8023 <b>310-1041</b>			
29QJ210 29QJ211 29QJ212	Mack Mack Mack	<b>310-1051</b> <b>310-1038</b> <b>310-1037</b>				
29QJ219 29QJ222 29QJ229	Mack Mack Mack	<b>310-1111</b> <b>315-1516</b> <b>310-1111</b>				
29QJ230 29QJ233 29QJ235	Mack Mack Mack	<b>310-1089</b> <b>310-1079</b> <b>310-1103</b>				
29QJ2930 29QJ29301 29QJ29302	Mack Mack Mack	<b>315-1502</b> <b>315-1502</b> <b>310-1036</b>				
29QJ29304 29QJ29305 30057	Mack Mack C/R	<b>310-1093</b> <b>315-1501</b> 460-6012				
301 301401 302	NOK Pioneer Weston NOK		372-7098 372-7098 372-7099	307-0713 307-0713 307-0723	373-0113 373-0113 373-0123	373-0213 373-0213 373-0223
302200 302402	Pioneer Weston Pioneer Weston		372-7099 372-7099	307-0723 307-0723	373-0123 373-0123	373-0223 373-0223

☐ When using HM516449A, use 392-9130 set.

☒ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

☓ Obsolete set, components still available.

☑ Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

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Shaded numbers indicate obsolete part numbers, refer to Engineering Changes for more information.

# Cross Reference

Information contained in this section is furnished as a guide.  
Verify specific application elsewhere in this catalog when possible.

Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®	
303	NOK		372-7097	307-0743	373-0143	373-0243	
303100	Pioneer Weston		372-7097	307-0743	373-0143	373-0243	
30323	NOK		372-7018 ☒				
30323	NOK		382-8029				
30323	NOK		392-9018				
303403	Pioneer Weston		372-7097	307-0743	373-0143	373-0243	
304	NOK		392-9131	309-0973	393-0173	393-0273	
304404	Pioneer Weston		372-7095	307-0744	373-0144		
305	NOK		382-8036	308-0836	383-0136	383-0236	
305132C92	Navistar	343-4186					
305133C1	Navistar	330-3028					
305387C1	Navistar	310-1089					
305405	Pioneer Weston		392-9094	309-0903			
306	NOK		392-9099	309-0912/0915 ☒	393-0112	393-0212	
306408	Pioneer Weston		392-9087	309-0970			
307	NOK		392-9088	309-0964			
307408	Pioneer Weston		392-9131	309-0973	393-0173	393-0273	
308	NOK		392-9132	309-0960			
308408	Pioneer Weston		392-9132	309-0960			
309409	Pioneer Weston		392-9099	309-0912/0915}2}	393-0112	393-0212	
30QJ256	Mack	315-1511					
30QJ258	Mack	315-1515					
3102611	GMC/Volvo	310-1037					
310410	Pioneer Weston		392-9088	309-0964			
311411	Pioneer Weston		392-9096	309-0965			
31175	C/R		382-8009				
31182	C/R	Same as 31175 used for worn hubs or oversize seal bore					
31203	C/R		382-8009				
312100	Pioneer Weston		382-8036	308-0836	383-0136	383-0236	
31244	C/R	320-2022					
31244	C/R		382-8010				
31264	C/R						
31266	C/R	320-2125					
31266	C/R		382-8062				
31269	C/R		382-8010				
31270	C/R		382-8010				
31271	C/R		382-8010				
31281	C/R		372-7049				
31288	C/R		392-9038				
31299	C/R		392-9038				
31301	C/R		392-9038				
31307	C/R		372-7048 ☒				
31307	C/R		392-9038				
3130997908	Bluebird		382-8036	308-0836	383-0136	383-0236	
314755C91	Navistar	343-4066					
315100	Pioneer Weston		382-8064	308-0864	383-0164	383-0264	
317100	Pioneer Weston		382-8056	308-0856	383-0156		
319506C91	Navistar		382-8053	308-0853	383-0153		
31955	C/R		382-8035				
31960	C/R		382-8035				
31961	C/R		382-8035				
3208J1076	Meritor	330-3041					
324043R91	Navistar		392-9033				
32410	C/R	460-6011					
32449	C/R		382-8017				
32452	C/R		382-8010				

☐ When using HM516449A, use 392-9130 set.

☒ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

☑ Obsolete set, components still available.

☒ Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

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# Cross Reference

Information contained in this section is furnished as a guide.  
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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
32453	C/R		382-8010			
32467	C/R		382-8010			
32470	C/R		382-8017			
32477	C/R		382-8017			
32501	C/R		382-8010			
32502	C/R		382-8010			
32510	C/R		382-8017			
32540	C/R		382-8017			
32564	C/R		382-8017			
326283C91	Navistar		392-9095	309-0961		
32710	C/R		392-9038			
32QJ112B	Mack		392-9092	309-0965		
32QJ127A	Mack		392-9131	309-0973	393-0173	393-0273
32QJ131A	Mack		382-8064	308-0864	383-0164	383-0264
32QJ179	Mack	320-2106				
32QJ225	Mack	320-2039				
32QJ228	Mack	320-2009				
32QJ235	Mack	320-2023				
32QJ237	Mack	320-2106				
32QJ238	Mack		382-8010			
32QJ240	Mack	320-2097				
32QJ241	Mack	320-2129				
32QJ243	Mack	320-2213				
32QJ245	Mack	320-2137				
32QJ246	Mack		382-8011			
32QJ248	Mack		382-8039		383-0139 ☐	383-0239 ☐
32QJ249	Mack	320-2118				
32QJ251	Mack	320-2099				
32QJ252	Mack		382-8064	308-0864	383-0164	383-0264
32QJ260	Mack	320-2001				
32QJ262	Mack		382-8039		383-0139 ☐	383-0239 ☐
32QJ263	Mack		392-9094	309-0903	393-0103	393-0203
32QJ265	Mack		392-9081	309-0960		
32QJ267	Mack		392-9131	309-0973	393-0173	393-0273
32QJ268	Mack		392-9094	309-0903	393-0103	393-0203
32QJ269	Mack		382-8036	308-0836	383-0136	383-0236
32QJ270	Mack		382-8064	308-0864	383-0164	383-0264
32QJ271	Mack		392-9112 ☐	309-0904	393-0104	393-0204
32QJ276	Mack		392-9089	309-0948	393-0148	
32QJ29302	Mack	320-2036				
32QJ29315	Mack		382-8036	308-0836	383-0136	383-0236
32QJ29316	Mack		392-9131	309-0973	393-0173	393-0273
32QJ29318	Mack		392-9094	309-0904	393-0104	393-0204
32QJ29320	Mack		382-8064	308-0864	383-0164	383-0264
330783408	Western Star		392-9131	309-0973	393-0173	393-0273
331471C91	Navistar	320-2102				
337711C92	Navistar		392-9099	309-0912/0915 ☐	393-0112	393-0212
338877R91	Navistar		392-9036			
340107C92	Navistar		392-9088	309-0964		
34046	Eaton		392-9088	309-0964		
340929C91	Navistar		392-9036			
341SR36	Mack	310-1088				
341SR38	Mack	310-1007				
341SR41	Mack		392-9095	309-0961		
34383	C/R		392-9035	309-0935		
34384	C/R PlusXL		392-9035	309-0935		

☐ When using HM516449A, use 392-9130 set.

☐ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

☐ Obsolete set, components still available.

☐ Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

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Shaded numbers indicate obsolete part numbers, refer to Engineering Changes for more information.

# Cross Reference

Information contained in this section is furnished as a guide.  
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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
34385	C/R		392-9035	309-0935		
34386	C/R		392-9035	309-0935		
34387	C/R Classic		392-9035	309-0935		
34885	C/R		382-8063	308-0863		
34971	C/R PlusXL		382-8063	308-0863		
34972	C/R		382-8063	308-0863		
34975	C/R Classic		382-8063	308-0863		
34980	C/R		382-8063	308-0863		
34994	C/R PlusXL		392-9036			
34999	C/R		392-9036			
35000	C/R Classic		392-9036			
35001	C/R LongLife		392-9036			
35012	C/R		392-9036			
35029	C/R		392-9036			
35058	C/R PlusXL		382-8036	308-0836	383-0136	383-0236
35059	C/R		382-8036	308-0836	383-0136	383-0236
35060	C/R		382-8035			
35062	C/R		382-8036	308-0836	383-0136	383-0236
35066	C/R Classic		382-8036	308-0836	383-0136	383-0236
35072	C/R Same as 35066 used for worn hubs or oversize seal bore					
35075	C/R		372-7005			
35075	C/R		372-7006			
35075	C/R		382-8025 ☒			
35093	C/R		372-7005			
35093	C/R		372-7006			
35093	C/R		372-7009 ☒			
35102	C/R		382-8036	308-0836	383-0136	383-0236
35103	C/R LongLife		382-8036	308-0836	383-0136	383-0236
357	National	330-3077				
35810	C/R		392-9035	309-0935		
35820	C/R					
359922C91	Navistar		382-8064	308-0864	383-0164	383-0264
362402R91	Navistar		382-8032			
36274	C/R					
36282	C/R		382-8034			
36285	C/R w/455035		382-8032			
36285	C/R		382-8034			
36314	C/R		392-9037			
36357	C/R w/455037		382-8011			
36357	C/R		382-8071		383-0171	
36358	C/R Classic		382-8071		383-0171	
36363	C/R		382-8011			
36364	C/R		382-8011			
36365	C/R		382-8011			
36365	C/R Classic		382-8071		383-0171	
36369	C/R		382-8011			
36370	C/R		382-8011			
36378	C/R		372-7005			
36378	C/R		372-7006			
36378	C/R		382-8025 ☒			
36382	C/R		382-8034			
364SZ100	Mack		382-8036	308-0836	383-0136	383-0236
364SZ202	Mack		392-9131	309-0973	393-0173	393-0273
364SZ203	Mack		392-9095	309-0961		
364SZ206	Mack		382-8036	308-0836	383-0136	383-0236
36506	Eaton		392-9099	309-0912/0915 ☒	393-0112	393-0212

- ☐ When using HM516449A, use 392-9130 set.
- ☒ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.
- ☒ Obsolete set, components still available.
- ☒ Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

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Shaded numbers indicate obsolete part numbers, refer to Engineering Changes for more information.

# Cross Reference

Information contained in this section is furnished as a guide.  
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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
370001A	National		382-8036	308-0836	383-0136	383-0236
370002A	National		372-7006			
370002A	National		372-7009 ☒			
370002A	National		382-8025 ☒			
370003A	National		392-9131	309-0973	393-0173	393-0273
370004A	National		392-9001			
370005A	National		392-9020			
370005A	National		392-9132	309-0960		
370006A	National		392-9087	309-0970		
370007A	National		382-8028			
370007A	National		392-9043			
370008A	National		372-7018 ☒			
370008A	National		382-8029			
370008A	National		392-9018			
370009A	National		392-9057	309-0957		
370010A	National		372-7046			
370010A	National		382-8018 ☒			
370011A	National		382-8011			
370011A	National		382-8071		383-0171	
370012A	National		382-8032			
370012A	National		382-8034			
370013A	National		372-7005			
370014A	National		372-7049			
370014A	National		382-8010			
370014A	National		382-8062			
370015A	National		382-8052			
370018A	National		382-8017			
370019A	National		392-9092	309-0965		
370020A	National		382-8060			
370021A	National		392-9088	309-0964		
370022A	National		392-9094	309-0903	393-0103	393-0203
370023A	National		392-9099 ☒	309-0912/0915 ☒	393-0112	393-0212
370024A	National		392-9099 ☒	309-0915	393-0115	
370025A	National		372-7097	307-0743	373-0143	373-0243
370026A	National		372-7022			
370027A	National		372-7025			
370027A	National		392-9021			
370027A	National		392-9046			
370028A	National		392-9007			
370029A	National		372-7008			
370030A	National		392-9095	309-0961		
370031A	National		392-9112 ☒	309-0904		
370033A	National		382-8039		383-0139 ☒☒	383-0239 ☒
370033A	National		392-9010			
370034A	National		392-9131	309-0973	393-0173	393-0273
370036A	National		372-7003			
370036A	National		372-7098	307-0713	373-0113	373-0213
370036A	National		392-9032			
370037A	National		372-7095	307-0744	373-0144	
370038A	National					
370039A	National					
370043A	National					
370046A	National		392-9038			
370047A	National		392-9035	309-0935		
370048A	National		382-8064	308-0864	383-0164	383-0264
370051A	National					

☐ When using HM516449A, use 392-9130 set.

☒ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

☓ Obsolete set, components still available.

☑ Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

☒ Seal 320-2102 installs in bearing cup bore or use Guardian® 309-0912 in seal bore.

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Shaded numbers indicate obsolete part numbers, refer to Engineering Changes for more information.

# Cross Reference

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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
370054A	National		382-8044			
370057A	National		372-7004			
370057A	National		382-8045			
370057A	National		392-9019 ☒			
370063A	National					
370064A	National					
370065A	National		372-7099	307-0723	373-0123	373-0223
370066A	National		382-8001		383-0101	
370069A	National		392-9048 ☒	309-0948	393-0148	
370078A	National					
370086A	National					
370094A	National					
370106A	National		392-9045			
370107A	National		372-7091		373-0191	
370109A	National					
370119A	National					
370120A	National		392-9053			
370121A	National		392-9062			
370124A	National		382-8053	308-0853	383-0153	
370131A	National		382-8056	308-0856	383-0156	
370132A	National		382-8063	308-0863		
370145A	National		382-8009			
370150A	National		382-8066	308-0866	383-0166	
370165A	National		392-9099	309-0912/0915 ☒		
370166A	National					
370169A	National		392-9036			
370173A	National		392-9081	309-0960		
370175A	National					
370178A	National		392-9033			
370179A	National		382-8027			
370181A	National		392-9132	309-0960		
370182A	National		382-8064	308-0864	383-0164	383-0264
370191A	National					
370192A	National		372-7015			
370192A	National		372-7017			
370195A	National		392-9034		393-0134	
370198A	National		382-8039		383-0139 ☒	383-0239 ☒
370199A	National				383-0175	
370211A	National				383-0176	
370212A	National					
370215A	National					
370219A	National					
370220A	National		392-9111			
370338A	National		372-7095	307-0744	373-0144	
370349A	National		372-7003			
370349A	National		372-7098	307-0713	373-0113	373-0213
370349A	National		392-9032			
37532	C/R		382-8032			
37532	C/R		382-8035			
37561	C/R		382-8035			
376590A	National		372-7099	307-0723	373-0123	373-0223
3796564	GMC/Volvo		392-9057	309-0957		
3796575	GMC/Volvo		392-9057	309-0957		
380001A	National		382-8036	308-0836	383-0136	383-0236
380003A	National		392-9131	309-0973	393-0173	393-0273
380019C91	Navistar		392-9099	309-0912/0915 ☒	393-0112	393-0212

☐ When using HM516449A, use 392-9130 set.

☒ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

☒ Obsolete set, components still available.

☒ Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

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# Cross Reference

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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
380022A	National		392-9094	309-0903	393-0103	393-0203
380023A	National		392-9099	309-0912/0915 ☒	393-0112	393-0212
380025A	National		372-7097	307-0743	373-0143	373-0243
380031A	National		392-91121 ☐	309-0904	393-0104	393-0204
380036A	National		372-7003			
380036A	National		372-7098	307-0713	373-0113	373-0213
380036A	National		392-9032			
380048A	National		382-8064	308-0864	383-0164	383-0264
380065A	National		372-7099	307-0723	373-0123	373-0223
380131A	National		382-8056	308-0856	383-0156	
3827712	Dodge		382-8063	308-0863		
383706C91	Navistar		392-9001			
383716C91	Navistar	320-2046				
383718C1	Navistar	310-1008				
383727C1	Navistar	330-3040				
383728C1	Navistar	330-3056				
383733C1	Navistar	330-3001				
38703	C/R		392-9010			
38706	C/R		392-9010			
38709	C/R		392-9010			
38736	C/R					
38745	C/R		392-9099	309-0912/0915 ☒	393-0112	393-0212
38747	C/R		392-9099	309-0912/0915 ☒	393-0112	393-0212
38748	C/R		392-9099	309-0915		
38750	C/R Classic		392-9099	309-0915	393-0115	
38774	C/R		392-9099	309-0912/0915 ☒	393-0112	393-0212
38776	C/R PlusXL		392-9099	309-0912	393-0112	393-0212
38777	C/R		392-9099	309-0912/0915 ☒	393-0112	393-0212
38778	C/R		392-9099	309-0912/0915 ☒	393-0112	393-0212
38779	C/R		392-9099	309-0912/0915 ☒	393-0112	393-0212
38780	C/R Classic		392-9099	309-0912/0915 ☒	393-0112	393-0212
38782	C/R		392-9099	309-0912/0915 ☒	393-0112	393-0212
38783	C/R LongLife		392-9099	309-0912	393-0112	393-0212
388250C91	Navistar	343-4025				
39378	C/R		392-9018			
39380	C/R		372-7018 ☒			
39380	C/R		382-8029			
39380	C/R		392-9018			
39381	C/R		382-8039		383-0139 ☒	383-0239 ☒
39385	C/R		372-7018 ☒			
39385	C/R		382-8029			
39385	C/R		392-9018			
3941956	Volvo		392-9131	309-0973	393-0173	393-0273
39420	C/R		392-9057	309-0957		
3942006	Volvo		382-8036	308-0836	383-0136	383-0236
39423	C/R		392-9057	309-0957		
39425	C/R		392-9057	309-0957		
39426	C/R		308-0870	308-0870		
39430	C/R		392-9018			
39448886	GMC/Volvo	320-2050				
394735C91	Navistar	343-4092				
3948884	GMC/Volvo	310-1052				
394894C91	Navistar		382-8036	308-0836	383-0136	383-0236
396526C91	Navistar		392-9096	309-0965		
3974846	Navistar		392-9045			
398124C1	Navistar	310-1089				

☐ When using HM516449A, use 392-9130 set.

☒ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

☓ Obsolete set, components still available.

☑ Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

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Shaded numbers indicate obsolete part numbers, refer to Engineering Changes for more information.



# Cross Reference

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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
398125C1	Navistar	320-2099				
39975	C/R		382-8039		383-0139 ☐	383-0239 ☐
39977	C/R		382-8023			
39977	C/R		382-8039		383-0139 ☐	383-0239 ☐
39979	C/R PlusXL		382-8039		383-0139 ☐	383-0239 ☐
39980	C/R		382-8039		383-0139 ☐	383-0239 ☐
39981	C/R		382-8039		383-0139 ☐	383-0239 ☐
39988	C/R Classic		382-8039		383-0139 ☐	383-0239 ☐
39990	C/R		382-8039		383-0139 ☐	383-0239 ☐
3W5687	Caterpillar	343-4009				
3W6998	Caterpillar	330-3009				
4000531R91	Navistar	460-6011				
40023	C/R		382-8029			
40035	C/R		382-8052			
40036	C/R		382-8029			
40040	C/R		382-8052			
40049	C/R		382-8039		383-0139 ☐	383-0239 ☐
40051	C/R		382-8039		383-0139 ☐	383-0239 ☐
40052	C/R		382-8039		383-0139 ☐	383-0239 ☐
40077	C/R		382-8001		383-0101	
40078	C/R		382-8001		383-0101	
40080	C/R		382-8001		383-0101	
40082	C/R		382-8001		383-0101	
400855C91	Navistar		382-8028			
40086	C/R Classic		382-8001		383-0101	
40088	C/R		382-8001		383-0101	
40090	C/R LongLife		382-8001		383-0101	
40091	C/R PlusXL		382-8001		383-0101	
40108	C/R		392-9032			
401265	Mechanex/Barrier	330-3077				
40129	C/R PlusXL		372-7098	307-0713	373-0113	373-0213
40130	C/R		372-7098	307-0713	373-0113	373-0213
40130	C/R		392-9032			
40133	C/R		372-7098	307-0713	373-0113	373-0213
40133	C/R		392-9032			
40136	C/R		372-7003			
40136	C/R Classic		372-7098	307-0713	373-0113	373-0213
40136	C/R		392-9032			
40139	C/R Same as 40136 used for worn hubs or oversize seal bore					
40146	C/R		372-7098	307-0713	373-0113	373-0213
40147	C/R LongLife		372-7098	307-0713	373-0113	373-0213
401502	Mechanex/Barrier	330-3014				
401503	Mechanex/Barrier	330-3002				
401504	Mechanex/Barrier	330-3024				
401507	Mechanex/Barrier	330-3041				
401508	Mechanex/Barrier	330-3018				
401508	Mechanex/Barrier	330-3028				
401508	Mechanex/Barrier	330-3120				
401510	Mechanex/Barrier	330-3041				
401511	Mechanex/Barrier	330-3060				
401514	Mechanex/Barrier	330-3034				
401516	Mechanex/Barrier	330-3025				
401516	Mechanex/Barrier	330-3035				
401519	Mechanex/Barrier	330-3012				
401524	Mechanex/Barrier	330-3097				
401524	Mechanex/Barrier	330-3122				

☐ When using HM516449A, use 392-9130 set.

☐ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

☐ Obsolete set, components still available.

☐ Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

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# Cross Reference

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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
401526	Mechanex/Barrier	<b>330-3013</b>				
401528	Mechanex/Barrier	<b>330-3009</b>				
401911P	Mechanex/Barrier	<b>340-4975</b>				
40210	C/R		<b>392-9099</b>	<b>309-0912/0915</b> ☒	<b>393-0112</b>	<b>393-0212</b>
40350	C/R		<b>392-9018</b>			
40360	C/R		<b>392-9099</b>	<b>309-0912/0915</b> ☒	<b>393-0112</b>	<b>393-0212</b>
405367C91	Navistar	<b>460-6004</b>				
407505	Eaton		<b>382-8044</b>			
410324472709	Mack		<b>392-9111</b>			
41035000787789	Mack		<b>392-9111</b>			
411601P	Midland	<b>343-4009</b>				
411604P	Midland	<b>343-4008</b>				
411605P	Midland	<b>343-4095</b>				
411605P	Midland	<b>343-4098</b>				
411605P	Midland	<b>343-4249</b>				
411608P	Midland	<b>343-4013</b>				
411610P	Midland	<b>340-4014</b>				
411616P	Midland	<b>343-4002</b>				
411620P	Midland	<b>343-4066</b>				
411622P	Midland	<b>343-4042</b>				
411625P	Midland	<b>343-4018</b>				
411627P	Midland	<b>343-4028</b>				
411629P	Midland	<b>343-4186</b>				
411630P	Midland	<b>343-4024</b>				
411635P	Midland	<b>343-4065</b>				
411640P	Midland	<b>343-4034</b>				
411644P	Midland	<b>343-4092</b>				
411646P	Midland	<b>343-4025</b>				
411650P	Midland	<b>343-4012</b>				
411655P	Midland	<b>343-4075</b>				
411688P	Midland	<b>343-4095</b>				
411845P	Midland	<b>343-4149</b>				
411883P	Midland	<b>343-4080</b>				
411917P	Midland	<b>340-4119</b>				
411967P	Midland	<b>343-4046</b>				
4131005	Trailmobile	<b>330-3009</b>				
4131008	Trailmobile	<b>330-3013</b>				
4131012	Trailmobile	<b>330-3019</b>				
4131013	Trailmobile	<b>330-3024</b>				
4131018	Trailmobile	<b>330-3077</b>				
4131024	Trailmobile	<b>330-3104</b>				
4131025	Trailmobile	<b>330-3067</b>				
4131026	Trailmobile	<b>330-3118</b>				
4131027	Trailmobile	<b>330-3122</b>				
4131056	Trailmobile	<b>330-3056</b>				
4131096	Trailmobile	<b>343-4095</b>				
4131097	Trailmobile	<b>343-4195</b>				
4131100	Trailmobile	<b>343-4009</b>				
4131103	Trailmobile	<b>343-4013</b>				
4131107	Trailmobile	<b>343-4019</b>				
4131111	Trailmobile	<b>343-4059</b>				
4131115	Trailmobile	<b>343-4075</b>				
4131121	Trailmobile	<b>340-4163</b>				
4131122	Trailmobile	<b>359-5981</b>				
4131123	Trailmobile	<b>359-5990</b>				
4131124	Trailmobile	<b>343-4249</b>				

☐ When using HM516449A, use 392-9130 set.

☒ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

☓ Obsolete set, components still available.

☑ Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

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# Cross Reference

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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
4131128	Trailmobile	343-4009				
4131135	Trailmobile		372-7098	307-0713	373-0113	373-0213
4131144	Trailmobile		372-7099	307-0723	373-0123	373-0223
4131145	Trailmobile		372-7091		373-0191	
4131150	Trailmobile		372-7097	307-0743	373-0143	373-0243
4131151	Trailmobile		372-7095	307-0744	373-0144	
4131159	Trailmobile		372-7091		373-0191	
4131160	Trailmobile		372-7095	307-0744	373-0144	
4131162	Trailmobile		372-7097	307-0743	373-0143	373-0243
4131163	Trailmobile		372-7098	307-0713	373-0113	373-0213
4131164	Trailmobile		372-7099	307-0723	373-0123	373-0223
4131166	Trailmobile		392-9088	309-0964		
4131167	Trailmobile		392-9132	309-0960		
4131169	Trailmobile		392-9132	309-0960		
4131170	Trailmobile		392-9131	309-0973	393-0173	393-0273
4131171	Trailmobile		392-9131	309-0973	393-0173	393-0273
4131173	Trailmobile		392-9099	309-0912/0915 ☐	393-0112	393-0212
4131188	Trailmobile		392-9087	309-0970		
4131189	Trailmobile		392-9087	309-0970		
4131191	Trailmobile		392-9012	309-0912	393-0112	393-0212
4131192	Trailmobile		392-9099	309-0912/0915 ☐	393-0112	393-0212
4131193	Trailmobile		392-9088	309-0964		
4131194	Trailmobile		392-9094	309-0903		
4131197	Trailmobile		392-9112 ☐	309-0904		
4131199	Trailmobile		392-9081	309-0960		
4131204	Trailmobile		382-8064	308-0864		
4131206	Trailmobile		382-8056	308-0856		
4131210	Trailmobile		372-7098	307-0713	373-0113	373-0213
4131211	Trailmobile		372-7099	307-0723	373-0123	373-0223
4131212	Trailmobile		372-7097	307-0743	373-0143	373-0243
4131213	Trailmobile		372-7095	307-0744	373-0144	
4131214	Trailmobile		382-8036	308-0836	383-0136	383-0236
4131215	Trailmobile		382-8056	308-0856	383-0156	
4131216	Trailmobile		382-8064	308-0864	383-0164	383-0264
4131220	Trailmobile		382-8036	308-0836	383-0136	383-0236
4131223	Trailmobile		392-9088	309-0964		
4131224	Trailmobile		392-9087	309-0970		
4131225	Trailmobile		392-9112 ☐	309-0904	393-0104	393-0204
4131226	Trailmobile		392-9131	309-0973	393-0173	393-0273
4131227	Trailmobile		392-9132	309-0960		
4131229	Trailmobile		392-9112 ☐	309-0904	393-0104	393-0204
4131230	Trailmobile		392-9132	309-0960		
4131231	Trailmobile		392-9131	309-0973	393-0173	393-0273
4131232	Trailmobile		392-9088	309-0964		
4131234	Trailmobile		372-7098	307-0713	373-0113	373-0213
4131235	Trailmobile		372-7097	307-0743	373-0143	373-0243
4131236	Trailmobile		372-7099	307-0723	373-0123	373-0223
4131243	Trailmobile	359-5915				
4131244	Trailmobile	359-5995				
4131249	Trailmobile		382-8036	308-0836	383-0136	383-0236
4131250	Trailmobile		382-8056	308-0856	383-0156	
4131251	Trailmobile		382-8064	308-0864	383-0164	383-0264
414467C91	Navistar		372-7095	307-0744	373-0144	
414467C93	Navistar	320-2118				
415027	National		372-7006			
415027	National		382-8025 ☐			

☐ When using HM516449A, use 392-9130 set.

☒ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

☑ Obsolete set, components still available.

☒ Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

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Shaded numbers indicate obsolete part numbers, refer to Engineering Changes for more information.

# Cross Reference

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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
415058	National		392-9112 ☐	309-0904	393-0104	393-0204
415060	National		392-9096	309-0965		
415200	National		392-9033			
415371	National		392-9088	309-0964		
415371	National		392-9094	309-0903	393-0103	393-0203
41550	C/R		392-9045			
416125	National		382-8011			
416125	National		382-8071			
416130	National		382-8052			
416297	National		392-9038			
416865	National		392-9007			
416888	National		392-9033			
416892	National		392-9088	309-0964		
416895C1	Navistar	310-1093				
417134	National		382-8018 ☐			
417158	National		382-8066	308-0866	383-0166	
417172	National		382-8010			
417352	National		382-8017			
417491	National		382-8045			
417505	National		392-9099	309-0912/0915 ☐	393-0112	393-0212
417506	National		392-9057	309-0957		
417530	National		382-8053	308-0853	383-0153	
417531	National		382-8056	308-0856	383-0156	
41AX207	Mack		382-8060			
41SR31	Mack	343-4049				
42478	Great Dane		372-7097	307-0743	373-0143	373-0243
42525	Great Dane		372-7099	307-0723	373-0123	373-0223
42550	C/R		392-9045			
42622	C/R		372-7062			
42622	C/R		372-7099	307-0723	373-0123	373-0223
42623	C/R		372-7062			
42623	C/R Classic		372-7099	307-0723	373-0123	373-0223
42624	C/R		372-7091		373-0191	
42625	C/R	Same as 42623 used for worn hubs or oversize seal bore				
42627	C/R PlusXL		372-7099	307-0723	373-0123	373-0223
426297	National		392-9038			
42630	C/R		372-7099	307-0723	373-0113	373-0213
42631	C/R LongLife		372-7099	307-0723	373-0123	373-0223
42644	C/R		392-9112 ☐	309-0904	393-0104	393-0204
42650	C/R		392-9112 ☐	309-0904	393-0104	393-0204
42671	C/R		392-9112 ☐	309-0904	393-0104	393-0204
42672	C/R Classic		392-9112 ☐	309-0904	393-0104	393-0204
42673	C/R PlusXL		392-9112 ☐	309-0904	393-0104	393-0204
426834C1	Navistar	343-4065				
42699	C/R		392-9095	309-0961		
427552R91	Navistar	320-2036				
427553R91	Navistar	343-4066				
427555R2	Navistar	310-1036				
42800	C/R		392-9095	309-0961		
428119C91	Navistar	320-2102				
428120C1	Navistar	315-1501				
428121C1	Navistar	310-1095				
428455C91	Navistar	320-2106				
428456C1	Navistar	315-1502				
431615R3	Navistar	310-1021				
431616R92	Navistar	320-2113				

☐ When using HM516449A, use 392-9130 set.

☑ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

☒ Obsolete set, components still available.

☒ Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

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Shaded numbers indicate obsolete part numbers, refer to Engineering Changes for more information.

# Cross Reference

Information contained in this section is furnished as a guide.  
Verify specific application elsewhere in this catalog when possible.

Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
431619R91	Navistar		372-7098	307-0713	373-0113	373-0223
431620R91	Navistar	343-4009				
431620R92	Navistar	343-4009				
431621R2	Navistar	330-3009/3067				
431622R1	Navistar	320-2109				
43751	C/R		372-7095	307-0744	373-0144	
43752	C/R Classic		372-7095	307-0744	373-0144	
43753	C/R		372-7095	307-0744	373-0144	
43754	C/R PlusXL		372-7095	307-0744	373-0144	
43760	C/R		382-8064	308-0864	383-0164	383-0264
43761	C/R PlusXL		382-8064	308-0864	383-0164	383-0264
43762	C/R		382-8064	308-0864	383-0164	383-0264
43763	C/R		382-8064	308-0864	383-0164	383-0264
43764	C/R Classic		382-8064	308-0864	383-0164	383-0264
43765	C/R LongLife					
43795	C/R		392-9095	309-0961		
43800	C/R w/455034		382-8060			
43820	C/R		392-9092	309-0965		
43820	C/R		392-9096	309-0965		
43860	C/R Classic		392-9096	309-0965		
43861	C/R		392-9096	309-0965		
43865	C/R		392-9092	309-0965		
43875	C/R		392-9131	309-0973	393-0173	393-0273
44068	Great Dane	343-4009				
447550C91	Navistar		372-7005			
447551C91	Navistar		392-9131	309-0973	393-0173	393-0273
447551C92	Navistar	310-1013				
447554C91	Navistar					
447556C91	Navistar		382-8053	308-0853	383-0153	
447558C91	Navistar		382-8018			
447559C91	Navistar		382-8028			
447559C92	Navistar	320-2028				
447560C91	Navistar		382-8029			
447561C91	Navistar		382-8036	308-0836	383-0136	383-0236
447561C92	Navistar	320-2036				
447562C91	Navistar		382-8064	308-0864	383-0164	383-0264
447563C91	Navistar		392-9001			
447563C92	Navistar	320-2001				
447564C91	Navistar		392-9088	309-0964		
447564C92	Navistar	320-2113				
447565C91	Navistar		392-9010			
447567C91	Navistar		392-9095	309-0961		
447567C92	Navistar	320-2117				
447568C91	Navistar		392-9021			
447568C92	Navistar	320-2021				
447569C91	Navistar		392-9096	309-0965		
447569C92	Navistar		392-9096	309-0965		
447574C91	Navistar		392-9131	309-0973	393-0173	393-0273
447574C92	Navistar		392-9131	309-0973	393-0173	393-0273
44916	C/R PlusXL		382-8053	308-0853	383-0153	
44919	C/R		382-8053	308-0853	383-0153	
44920	C/R		382-8053	308-0853	383-0153	
44922	C/R Classic		382-8053	308-0853	383-0153	
44930	C/R		392-9033			
44963	C/R		392-9033			
44964	C/R Classic		392-9033			

■ When using HM516449A, use 392-9130 set.

■ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

■ Obsolete set, components still available.

■ Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

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Shaded numbers indicate obsolete part numbers, refer to Engineering Changes for more information.

# Cross Reference

Information contained in this section is furnished as a guide.  
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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
44967	C/R		392-9033			
44968	C/R		392-9033			
44975	C/R		392-9033			
450023	C/R	330-3109				
45010	C/R		392-9033			
450155	C/R	330-3106				
450208	C/R	310-1022				
450293	C/R	330-3122				
450358	National	460-6004				
450409	C/R	310-1057				
45066	C/R		392-9094	309-0903	393-0103	393-0203
45069	C/R		392-9094	309-0903	393-0103	393-0203
45070	C/R		392-9094	309-0903	393-0103	393-0203
450741	C/R	330-3025				
450742	C/R	330-3012				
450743	C/R	330-3042				
450744	C/R	330-3056				
450747	C/R	330-3007				
450748	C/R	330-3041				
450749	C/R	330-3028				
450751	C/R	330-3009/3067				
450752	C/R	330-3060				
450755	C/R	330-3024				
450757	C/R	330-3037				
450760	C/R	330-3008				
450762	C/R	330-3062				
450765	C/R	330-3040				
450767	C/R	330-3015				
450768	C/R	330-3034				
450769	C/R	330-3011				
450775	C/R	330-3013				
450777	C/R	330-3019				
450778	C/R	330-3031				
450781	C/R	330-3097				
450788	C/R	330-3122/3067				
450875	C/R	330-3105				
450876	C/R	330-3106				
450877	C/R	330-3107				
450878	C/R	330-3108				
450879	C/R	330-3109				
45093	C/R PlusXL		392-9094	309-0903	393-0103	393-0203
45095			382-8056	308-0856	383-0156	
45097	C/R		392-9094	309-0903	393-0103	393-0203
45098	C/R		392-9094	309-0903	393-0103	393-0203
450980	C/R	330-3110				
450981	C/R	330-3111				
450982	C/R	330-3112				
450983	C/R	330-3113				
450984	C/R	330-3114				
450985	C/R	330-3115				
45099	C/R Classic		392-9094	309-0903	393-0103	393-0203
45102	C/R		382-8056	308-0856	383-0156	
45103	C/R Classic		382-8056	308-0856	383-0156	
45108	C/R		392-9094	309-0903	393-0103	393-0203
45115	C/R		392-9088	309-0964		
45149	C/R		392-9088	309-0964		

- When using HM516449A, use 392-9130 set.
- Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.
- Obsolete set, components still available.
- Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

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Shaded numbers indicate obsolete part numbers, refer to Engineering Changes for more information.

# Cross Reference

Information contained in this section is furnished as a guide.  
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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
45150	C/R		392-9088	309-0964		
45152	C/R		392-9131	309-0973	393-0173	393-0273
45157	C/R PlusXL		392-9088	309-0964		
45158	C/R		392-9088	309-0964		
45160	C/R Classic		392-9088	309-0964		
45162	C/R w/455030		372-7015			
45162	C/R		372-7017			
453027C1	Navistar		392-9001			
453644	C/R	330-3122/3067				
453645	C/R	330-3025				
453646	C/R	330-3105				
4543V	National	460-6011				
455001	C/R	310-1050				
455004	C/R	310-1035				
455011	C/R	310-1010				
455014	C/R	310-1029				
455019	C/R	310-1095				
455022	National		372-7008			
455023	C/R	357-5706				
455030	C/R	310-1044				
455031	C/R	310-1038				
455033	C/R	310-1011				
455034	C/R	310-1041				
455035	C/R	310-1032				
455037	C/R	310-1051				
455052	C/R	310-1051				
455058	National		392-9112 ☐	309-0904	393-0104	393-0204
455060	National		392-9096	309-0965		
455062	National		392-9088	309-0964		
455068	National		392-9019 ☐			
455070	National		392-9007			
455091	National		392-9034			
455137	National		382-8017			
455173	National		392-9036			
455188	National		382-8023			
455188	National		382-8039		383-0139 ☐	383-0239 ☐
455200	National		392-9033			
455209	National		382-8060			
455211	National		372-7097	307-0743	373-0143	373-0243
455285	National		392-9007			
455355	National		382-8066	308-0866	383-0166	
455513	National		382-8001			
455547	National		392-9010			
455858	National		392-9035	309-0935		
455958	National		392-9099	309-0912/0915 ☐	393-0112	393-0212
4563V	National	460-6003				
4564V	National	460-6005				
456618	National		392-9099	309-0912/0915 ☐	393-0112	393-0212
456865N	National		392-9007			
45742	Great Dane	330-3009				
45951	Great dane	320-2110				
45952	Great Dane	315-1504				
46200	C/R		392-9094	309-0903	393-0103	393-0203
46211	C/R		392-9094	309-0903	393-0103	393-0203
46300	C/R PlusXL		372-7097	307-0743	373-0143	373-0243
46304	C/R		372-7097	307-0743	373-0143	373-0243

☐ When using HM516449A, use 392-9130 set.

☐ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

☐ Obsolete set, components still available.

☐ Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

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Shaded numbers indicate obsolete part numbers, refer to Engineering Changes for more information.

# Cross Reference

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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
46305	C/R Classic		372-7097	307-0743	373-0143	373-0243
46306	C/R		372-7097	307-0743	373-0143	373-0243
46308	C/R LongLife		372-7097	307-0743	373-0143	373-0243
46324	C/R		392-9088	309-0964		
46331	C/R		392-9088	309-0964		
46390	C/R		372-7022			
46390	C/R		372-7099	307-0723	373-0123	373-0223
465510C91	Navistar	320-2164				
46841	Victor		372-7099	307-0723	373-0123	373-0223
469844C1	Navistar		382-8066	308-0866	383-0166	
469845C1	Navistar		392-9036			
47017	Great Dane	347-4009				
47245	C/R		392-9111			
472HH101	Dana	460-6007				
47394	C/R		372-7098	307-0713	373-0113	373-0213
47394	C/R		392-9032			
47483	C/R		392-9066			
47548	Great Dane	343-4195				
47549	Great Dane	343-4009				
47550	Great Dane	343-4075				
47555	Great Dane		372-7099	307-0723	373-0123	373-0223
47556	Great Dane		372-7097	307-0743	373-0113	373-0213
47690	C/R		392-9132	309-0960		
47691/47692	C/R PlusXL		392-9131	309-0973	393-0173	393-0273
47693	C/R LongLife		392-9131	309-0973	393-0173	393-0273
47694	C/R	Narrow version of 47695 for ABS				
47695	C/R		392-9131	309-0973	393-0173	393-0273
47696	C/R		392-9131	309-0973	393-0173	393-0273
47697	C/R Classic		392-9131	309-0973	393-0173	393-0273
47698	C/R	Same as 47697 used for worn hubs or oversize seal bore				
47699	C/R		392-9087	309-0970		
47802	Victor		392-9096	309-0965		
47803	Victor		392-9132	309-0960		
48000	C/R Classic		392-9132	309-0960		
48001	C/R		392-9132	309-0960		
48001	C/R		392-9081			
48002	C/R PlusXL		392-9081	309-0960		
48086	Victor		372-7097	307-0743	373-0143	373-0243
48088	Victor		372-7098	307-0713	373-0113	373-0213
48089	Victor		392-9131	309-0973	393-0173	393-0273
48090	Victor		382-8036	308-0836	383-0136	383-0236
48091	Victor		392-9099	309-0912/0915	393-0112	393-0212
48093	Victor		392-9088	309-0964		
48095	Victor		392-9094	309-0903	393-0103	393-0203
48096	Victor		392-9035	309-0935		
48097	Victor		382-8056	308-0856	383-0156	
48098	Victor		392-9112	309-0904	393-0104	393-0204
48297	C/R		372-7025			
48297	C/R		392-9021			
48297	C/R		392-9046			
48298	C/R	320-2001 w/310-1021				
48690	C/R Classic		392-9034		393-0134	
48691	C/R		392-9034		393-0134	
48693	C/R		392-9034		393-0134	
48700	C/R		392-9034		393-0134	
48701	C/R		392-9034		393-0134	

■ When using HM516449A, use 392-9130 set.

■ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

■ Obsolete set, components still available.

■ Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
4874N	National	460-6004				
48769	C/R		392-9019 ☒			
48776	C/R		392-9019 ☒			
48792	C/R		392-9019 ☒			
48794	C/R		382-8028			
48796	C/R		382-8045			
48844	C/R		392-9001	309-0960		
48882	C/R		392-9132			
48883	C/R		382-8028			
48884	C/R		392-9001			
48884	C/R		392-9062			
48886	C/R		382-8045			
49050	C/R		392-9131	309-0973	393-0173	393-0273
490577C92	Navistar		382-8056	308-0856	383-0156	
490578C91	Navistar	320-2181				
49966	C/R		392-9007			
500200C91	Navistar	320-2199				
5010196	Trailmobile	320-2110				
5010198	Trailmobile	315-1504				
50124	C/R		392-9007			
50148	C/R	320-2001				
50150	C/R	320-2001				
50190	C/R					
504081	C/R		392-9094	309-0903	393-0103	393-0203
506085	Eaton	343-4024				
506089	Eaton	343-4249				
506161	Eaton	330-3024				
50640	C/R		392-9131	309-0973	393-0173	393-0273
506635	Eaton	310-1048				
506775	Eaton		382-8064	308-0864	383-0164	383-0264
5076	C/R		392-9018			
507842C91	Navistar	320-2199				
507844C91	Navistar	320-2164				
509053	C/R		382-8017			
509154C91	Navistar		382-8045			
510589C91	Navistar	343-4049				
510589C93	Navistar	343-4101				
512656C1	Navistar	310-1048				
512657C1	Navistar	320-2110				
5141050	GMC/Volvo		382-8017			
521162	C/R		382-8052			
52658	C/R		392-9089	309-0948	393-0148	
52660	C/R		392-9089	309-0948	393-0148	
52664	C/R		392-9089	309-0948	393-0148	
527501	White		382-8010			
527502	White		382-8035			
527503	White		382-8034			
530480	Fruehauf		372-7099	307-0723	373-0123	373-0223
54395	C/R		392-9001			
54533HA	Navistar		392-9036			
5465	National		392-9057	309-0957		
5471	National		372-7025			
5471	National		392-9021			
5471	National		392-9046			
5473	National		392-9001			
547915C91	Navistar		392-9099	309-0912/0915 ☒	393-0112	393-0212

☐ When using HM516449A, use 392-9130 set.

☒ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

☒ Obsolete set, components still available.

☒ Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

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# Cross Reference

Information contained in this section is furnished as a guide.  
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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
5481	National		372-7025			
5481	National		392-9131	309-0973	393-0173	393-0273
548347C91	Navistar		392-9131	309-0973	393-0173	393-0273
548347C92	Navistar		392-9131	309-0973	393-0173	393-0273
54935	C/R		392-9001			
5495	National		392-9087	309-0970		
55122	C/R					
55172	C/R					
55175	C/R		392-9053			
55177	C/R		392-9053			
56153R91	Navistar		392-9021			
562932C1	Navistar		382-8028			
5667	National		392-9099	309-0915		
5751	National		392-9038			
578913C1	Navistar	320-2041				
58394	Eaton		392-9088	309-0964		
587989C91	Navistar		382-8056	308-0856	383-0156	
589822C91	Navistar		382-8053	308-0853	383-0153	
591587C1	Navistar		382-8056	308-0855		
594962C1	Navistar		392-9131	309-0973	393-0173	393-0273
594963C1	Navistar		392-9099	309-0912/0915 ☐	393-0112	393-0212
594964C1	Navistar		382-8064	308-0864	383-0164	383-0264
594965C1	Navistar		382-8066	308-0866	383-0166	
594966C1	Navistar		382-8053	308-0853	383-0153	
596555C1	Navistar		382-8036	308-0836	383-0136	383-0236
596556C1	Navistar		392-9001			
60501012	Trailmobile		372-7097	307-0743	373-0143	373-0243
61001G	TriSeal	330-3001				
61002G	TriSeal	330-3019				
61006G	TriSeal	330-3006				
61009G	TriSeal	330-3009				
61011G	TriSeal	330-3011				
61012G	TriSeal	330-3012				
61014G	TriSeal	330-3014				
61015G	TriSeal	330-3015				
61017G	TriSeal	330-3017				
61018G	TriSeal	330-3018				
61022G	TriSeal	330-3022				
61024G	TriSeal	330-3024				
61025G	TriSeal	330-3025				
61026G	TriSeal	330-3026				
61027G	TriSeal	330-3102				
61028G	TriSeal	330-3028				
61031G	TriSeal	330-3031				
61032G	TriSeal	330-3032				
61034G	TriSeal	330-3034				
61036G	TriSeal	330-3036				
61037G	TriSeal	330-3037				
61039G	TriSeal	330-3039				
61040G	TriSeal	330-3040				
61041G	TriSeal	330-3041				
61042G	TriSeal	330-3042				
61044G	TriSeal	330-3044				
61045G	TriSeal	330-3045				
61046G	TriSeal	330-3046				
61047G	TriSeal	330-3047				

☐ When using HM516449A, use 392-9130 set.

☐ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

☐ Obsolete set, components still available.

☐ Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

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Shaded numbers indicate obsolete part numbers, refer to Engineering Changes for more information.

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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
61054G	TriSeal	330-3054				
61056G	TriSeal	330-3056				
61060G	TriSeal	330-3060				
61062G	TriSeal	330-3062				
61066G	TriSeal	330-3066				
61067G	TriSeal	330-3067				
61076G	TriSeal	330-3076				
61077G	TriSeal	330-3077				
61079G	TriSeal	330-3079				
61080G	TriSeal	330-3080				
61090G	TriSeal	330-3090				
61094G	TriSeal	330-3094				
61105G	TriSeal	330-3105				
61106G	TriSeal	330-3106				
61107G	TriSeal	330-3107				
61108G	TriSeal	330-3108				
61109G	TriSeal	330-3109				
61111G	TriSeal	330-3111				
61112G	TriSeal	330-3112				
61113G	TriSeal	330-3113				
61114G	TriSeal	330-3114				
62001	TriSeal	355-5501				
62002	TriSeal	355-5502				
62003	TriSeal	355-5503				
62005	TriSeal	355-5505				
62006	TriSeal	355-5506				
62007	TriSeal	355-5507				
62010	TriSeal	355-5510				
62016	TriSeal	355-5516				
6270	National		372-7018 ☒			
6270	National		382-8029			
6270	National		392-9018			
63003	TriSeal	310-1003				
63005	TriSeal	310-1005				
63006	TriSeal	310-1006				
63007	TriSeal	310-1007				
63008	TriSeal	310-1008				
63009	TriSeal	310-1009				
63010	TriSeal	310-1010				
63011	TriSeal	310-1011				
63012	TriSeal	310-1012				
63013	TriSeal	310-1013				
63014	TriSeal	310-1014				
63017	TriSeal	310-1017				
63018	TriSeal	310-1018				
63021	TriSeal	310-1021				
63026	TriSeal	310-1026				
63028	TriSeal	310-1028				
63029	TriSeal	310-1029				
63032	TriSeal	310-1032				
63034	TriSeal	310-1034				
63035	TriSeal	310-1035				
63037	TriSeal	310-1037				
63038	TriSeal	310-1038				
63041	TriSeal	310-1041				
63043	TriSeal	310-1043				

☐ When using HM516449A, use 392-9130 set.

☒ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

☓ Obsolete set, components still available.

☑ Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

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Shaded numbers indicate obsolete part numbers, refer to Engineering Changes for more information.

# Cross Reference

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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
63044	TriSeal	310-1044				
63047	TriSeal	310-1047				
63050	TriSeal	310-1050				
63051	TriSeal	310-1051				
63052	TriSeal	310-1052				
63053	TriSeal	310-1053				
63054	TriSeal	310-1054				
63057	TriSeal	310-1057				
63062	TriSeal	310-1062				
63063	TriSeal	310-1063				
63064	TriSeal	310-1064				
63079	TriSeal	310-1079				
63080	TriSeal	310-1080				
63083	TriSeal	310-1083				
63088	TriSeal	310-1088				
63091	TriSeal	310-1091				
63092	TriSeal	310-1092				
63093	TriSeal	310-1093				
63095	TriSeal	310-1095				
63H13	Crane	343-4264				
63H16	Crane	343-4095				
63H7	Crane	343-4009				
64002	TriSeal	343-4019				
64006	TriSeal	343-4006				
64009	TriSeal	343-4009				
64009H	TriSeal	347-4009				
64012	TriSeal	343-4012				
64013	TriSeal	343-4013				
64014	TriSeal	340-4014				
64018	TriSeal	343-4018				
64024	TriSeal	343-4024				
64025	TriSeal	343-4025				
64028	TriSeal	343-4028				
64029	TriSeal	343-4186				
64034	TriSeal	343-4034				
64042	TriSeal	343-4042				
64046	TriSeal	343-4046				
64046	TriSeal	343-4095				
64046	TriSeal	343-4249				
64049	TriSeal	343-4049				
64059	TriSeal	343-4059				
64065	TriSeal	343-4065				
64066	TriSeal	343-4066				
64075A	TriSeal	343-4075				
64075G	TriSeal	342-4075				
64075P	TriSeal	340-4975				
64092	TriSeal	343-4092				
64098	TriSeal	343-4098				
64249	TriSeal	343-4249				
64656	Eaton	460-6006				
64999	TriSeal	359-5990				
65000U	TriSeal		382-8053	308-0853	383-0153	
65000W	TriSeal		382-8052			
65000W	TriSeal		382-8053	308-0853	383-0153	
65005	TriSeal		382-8009			
65011W	TriSeal		392-9035	309-0935		

- ❑ When using HM516449A, use 392-9130 set.
- ❑ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.
- ❑ Obsolete set, components still available.
- ❑ Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

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# Cross Reference

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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
65011W	TriSeal		392-9036			
65016	TriSeal		382-8017			
65024U	TriSeal		392-9099	309-0915		
65027	TriSeal		392-9045			
65027U	TriSeal		392-9045			
65028	TriSeal		372-7025			
65028	TriSeal		392-9046			
65030U	TriSeal		392-9089	309-0948	393-0148	
65030W	TriSeal		392-9089	309-0948	393-0148	
65044	TriSeal		392-9007			
65052W	TriSeal		392-9099	309-0912/0915 ☒	393-0112	393-0212
65054W	TriSeal		392-9057	309-0957		
65055W	TriSeal		382-8044			
65056U	TriSeal		392-9131	309-0973	393-0173	393-0273
65056W	TriSeal		392-9131	309-0973	393-0173	393-0273
65060U	TriSeal		372-7097	307-0743	373-0143	373-0243
65060W	TriSeal		372-7097	307-0743	373-0143	373-0243
65065W	TriSeal		392-9020			
65065W	TriSeal		392-9132	309-0960		
65069	TriSeal		382-8027			
65070	TriSeal		392-9054			
65071U	TriSeal		392-9112 ☐	309-0904	393-0104	393-0204
65071U	TriSeal		392-9130	309-0904	393-0104	393-0204
65071W	TriSeal		392-9112 ☐	309-0904	393-0104	393-0204
65072W	TriSeal		392-9088	309-0964		
65073W	TriSeal		372-7005			
65073W	TriSeal		372-7006			
65073W	TriSeal		372-7008			
65073W	TriSeal		372-7056			
65073W	TriSeal		382-8011			
65078U	TriSeal		382-8056	308-0856	383-0156	
65078W	TriSeal		382-8056	308-0856	383-0156	
65084W	TriSeal		392-9088	309-0964		
65092U	TriSeal		382-8064	308-0864	383-0164	383-0264
65092W	TriSeal		382-8064	308-0864	383-0164	383-0264
65111U	TriSeal		392-9035	309-0935		
65116U	TriSeal		382-8017			
65120U	TriSeal					
65152U	TriSeal		392-9099	309-0912/0915 ☒	393-0112	393-0212
65156U	TriSeal		392-9131	309-0973	393-0173	393-0273
65165U	TriSeal		392-9081	309-0960		
65165U	TriSeal		392-9132	309-0960		
65172U	TriSeal		392-9088	309-0964		
65184U	TriSeal		392-9096	309-0965		
65261U	TriSeal		372-7098	307-0713	373-0113	373-0213
65261W	TriSeal		372-7003			
65261W	TriSeal		372-7098	307-0713	373-0113	373-0213
65262U	TriSeal		372-7099	307-0723	373-0123	373-0223
65262W	TriSeal		372-7022			
65262W	TriSeal		372-7099	307-0723	373-0123	373-0223
65262W	TriSeal		382-8060			
65263U	TriSeal		382-8036	308-0836	383-0136	383-0236
65263W	TriSeal		382-8036	308-0836	383-0136	383-0236
65267	TriSeal		382-8029			
65267	TriSeal		392-9018			
65269W	TriSeal		392-9001			

☐ When using HM516449A, use 392-9130 set.

☒ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

☑ Obsolete set, components still available.

☒ Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
65269W	TriSeal		392-9062			
65270U	TriSeal		392-9094	309-0903	393-0103	393-0203
65270W	TriSeal		392-9094	309-0903	393-0103	393-0203
65271W	TriSeal		372-7026 ☐			
65271W	TriSeal		372-7027 ☐			
65271W	TriSeal		372-7028 ☐			
65271W	TriSeal		372-7091		373-0191	
65272W	TriSeal		392-9094	309-0903	393-0103	393-0203
65275	TriSeal		392-9010			
65276	TriSeal		392-9099	309-0912/0915 ☐	393-0112	393-0212
65277W	TriSeal		392-9095	309-0961		
65280	TriSeal		372-7046			
65280	TriSeal		382-8018 ☐			
65283U	TriSeal		392-9087	309-0970		
65283W	TriSeal		392-9087	309-0970		
65285W	TriSeal		392-9092	309-0965		
65287W	TriSeal		382-8028			
65287W	TriSeal		392-9043			
65289	TriSeal		382-8032			
65291U	TriSeal		382-8034			
65291W	TriSeal		382-8034			
65292	TriSeal		382-8035			
65293	TriSeal		382-8010			
65294	TriSeal		382-8023			
65294	TriSeal		382-8039			
65294U	TriSeal		382-8023			
65294U	TriSeal		382-8039		383-0139 ☐	383-0239 ☐
65297W	TriSeal		392-9054			
65298U	TriSeal		372-7095	307-0744	373-0144	
65298W	TriSeal		372-7095	307-0744	373-0144	
65299	TriSeal		372-7004			
65299	TriSeal		372-7015			
65299	TriSeal		372-7017			
65299	TriSeal		382-8045			
657810	GMC/Volvo		392-9057	309-0957		
6584S	National		382-8017			
663043R91	Navistar		392-9010			
663477	GMC/Volvo		382-8017			
663484	GMC/Volvo		382-8018 ☐			
6635S	National		392-9095	309-0961		
6638S	National		382-8036	308-0836	383-0136	383-0236
67003	TriSeal	357-5706				
67006	TriSeal	356-5606				
67007	TriSeal	364-6402				
67008	TriSeal	364-6435				
67009	TriSeal	310-1103				
67013	TriSeal	310-1013				
67014	TriSeal	310-1114				
67023	TriSeal	310-1023				
67036	TriSeal	310-1036				
67038	TriSeal	310-1038				
67048	TriSeal	310-1048				
67067	TriSeal	310-1067				
67090	TriSeal	310-1111				
67093	TriSeal	310-1093				
67094	TriSeal	310-1111				

☐ When using HM516449A, use 392-9130 set.

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☐ Obsolete set, components still available.

☐ Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
674237 675711 6780S	GMC/Volvo White National		382-8028 392-9088	309-0964		
68013 68023 680272R92	TriSeal TriSeal Navistar	315-1507 315-1503 343-4046				
680272R92 680299R1 680299R91	Navistar Navistar Navistar	343-4249 310-1028	382-8028			
6804010425 68048 68088	Freightliner TriSeal TriSeal	343-4281 315-1504 315-1515				
68093 68094 6809970049	TriSeal TriSeal Freightliner	315-1517 315-1502 330-3040				
681277 681365R2 6814010225	White Navistar Freightliner	310-1079 343-4095	392-9095	309-0961		
6819970046 6819970046 6819970446	Mercedes Freightliner Freightliner		392-9099 392-9099 382-8036	309-0912/0915 ☒ 309-0912/0915 ☒ 308-0836	393-0112 393-0112 383-0136	393-0212 393-0212 383-0236
6819970546 682809 683590	Freightliner GMC/Volvo GMC/Volvo		392-9131 382-8010 392-9018	309-0973	393-0173	393-0273
683591 68380 685215	GMC/Volvo Eaton GMC/Volvo	320-2106 320-2106	392-9057 392-9096	309-0957 309-0965		
685216 68537R1 68537R91	GMC/Volvo Navistar Navistar		392-9021 392-9021			
686059 6864S 686996	GMC/Volvo National GMC/Volvo	343-4066 320-2216	392-9057	309-0957		
6872S 6872S 6873S	National National National		392-9021 392-9131 392-9001	309-0973	393-0173	393-0273
688316 688319 69307R91	GMC/Volvo GMC/Volvo Navistar	320-2091 320-2091	392-9035	309-0935		
69502 69507 69510	TriSeal TriSeal TriSeal	320-2041	372-7004 372-7009 ☒ 372-7098	307-0713	373-0113	373-0213
69512 69514 69517	TriSeal TriSeal TriSeal		372-7015 372-7017 372-7020			
69520 69522 69523	TriSeal TriSeal TriSeal		372-7099 372-7025 372-7026 ☒	307-0723	373-0123	373-0223
69524 69538 69539	TriSeal TriSeal TriSeal		372-7027 ☒ 372-7028 ☒ 372-7049			
69541 69589 69590	TriSeal TriSeal TriSeal		372-7091 372-7005 372-7006		373-0191	
69591 69593	TriSeal TriSeal		372-7008 372-7003			

- ☐ When using HM516449A, use 392-9130 set.
- ☒ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.
- ☓ Obsolete set, components still available.
- ☑ Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
69594	TriSeal		372-7022			
69596	TriSeal		372-7099	307-0723	373-0123	373-0223
69597	TriSeal		372-7098	307-0713	373-0113	373-0213
69598	TriSeal		372-7097	307-0743	373-0143	373-0243
69599	TriSeal		372-7095	307-0744	373-0144	
69603	TriSeal		382-8009			
69604	TriSeal		382-8010			
69611	TriSeal		382-8017			
69612	TriSeal		382-8018			
69616	TriSeal		382-8023			
69622	TriSeal		382-8032			
69625	TriSeal		382-8035			
69628	TriSeal		382-8039		383-0139	383-0239
69636	TriSeal		382-8027			
69640	TriSeal		382-8045			
69642	TriSeal		382-8063	308-0863		
69644	TriSeal		382-8062			
69645	TriSeal		382-8066	308-0866	383-0166	
69689	TriSeal		382-8011			
69690	TriSeal		382-8028			
69691	TriSeal		382-8052			
69692	TriSeal		382-8053	308-0853	383-0153	
69693	TriSeal		382-8034			
69695	TriSeal		382-8044			
69696	TriSeal		382-8056	308-0856	383-0156	
69697	TriSeal		382-8064	308-0864	383-0164	383-0264
69698	TriSeal		382-8060			
69699	TriSeal		382-8036	308-0836	383-0136	383-0236
69705	TriSeal		392-9010			
69706	TriSeal		392-9099	309-0912/0915	393-0112	393-0212
69711	TriSeal		392-9018			
69730	TriSeal		392-9038			
69743	TriSeal		392-9045			
69750	TriSeal		392-9007			
69751	TriSeal		392-9020			
69753	TriSeal		392-9054			
69759	TriSeal		392-9062			
69780	TriSeal		392-9019			
69781	TriSeal		392-9089	309-0948	393-0148	
69782	TriSeal		392-9062			
69783	TriSeal		392-9001			
69784	TriSeal		392-9043			
69785	TriSeal		392-9035	309-0935		
69786	TriSeal		392-9036			
69787	TriSeal		392-9057	309-0957		
69788	TriSeal		392-9112	309-0904	393-0104	393-0204
69789	TriSeal		392-9087	309-0970		
69790	TriSeal		392-9032			
69791	TriSeal		392-9088	309-0964		
69792	TriSeal		392-9092	309-0965		
69794	TriSeal		392-9099	309-0912/0915	393-0112	393-0212
69795	TriSeal		392-9095	309-0961		
69797	TriSeal		392-9096	309-0965		
69798	TriSeal		392-9132	309-0960		
69799	TriSeal		392-9131	309-0973	393-0173	393-0273
698764R1	Navistar		372-7098	307-0713	373-0113	373-0213

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■ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
698768	GMC/Volvo		372-7095	307-0744	373-0144	
70012600D	Trailmobile	343-4013				
70012600E	Trailmobile	343-4009				
700126CD	Trailmobile	343-4013				
7003942	Western Star	343-4249				
7006S	National		392-9087	309-0970		
701661	GMC/Volvo	315-1502				
701679	GMC/Volvo	320-2115				
7023479	Meritor	343-4095				
705400P	Mechanex/Barrier		382-8036	308-0836	383-0136	383-0236
70541	TriSeal		372-7091		373-0191	
70596	TriSeal		372-7099	307-0723	373-0123	373-0223
70597	TriSeal		372-7098	307-0713	373-0113	373-0213
70598	TriSeal		372-7097	307-0743	373-0143	373-0243
70599	TriSeal		372-7095	307-0744	373-0144	
7074450	Western Star	320-2106				
70781	TriSeal		392-9089	309-0948	393-0148	
70788	TriSeal		392-9112	309-0904	393-0104	393-0204
70789	TriSeal		392-9087	309-0970		
70791	TriSeal		392-9088	309-0964		
70794	TriSeal		392-9099	309-0912/0915 ☒	393-0112	393-0212
70796	TriSeal		392-9094	309-0903	393-0103	393-0203
70797	TriSeal		392-9096	309-0965		
70798	TriSeal		392-9132	309-0960		
70799	TriSeal		392-9131	309-0973	393-0173	393-0273
710356	GMC/Volvo		382-8017			
710536	GMC/Volvo		382-8017			
712832	GMC/Volvo	382-8034				
712834	GMC/Volvo		392-9099	309-0912/0915 ☒	393-0112	393-0212
719021	C/R	330-3077				
720659	GMC/Volvo		372-7097	307-0743	373-0143	373-0243
730001	National	330-3028				
730003	National	330-3025				
730003	National	330-3035				
730004	National	330-3024				
730005	National	330-3008				
730006	National	330-3046				
730008	National	330-3040				
730009	National	330-3019				
730016	National	330-3041				
730017	National	330-3044				
730018	National	330-3006				
730019	National	330-3031				
730022	National	330-3011				
730024	National	330-3060				
730026	National	330-3012				
730027	National	330-3034				
730030	National	330-3056				
730031	National	330-3037				
730149	National	330-3097				
733067	National	330-3009/3067				
733105	National	330-3105				
733106	National	330-3106				
733107	National	330-3107				
733108	National	330-3108				
733109	National	330-3109				

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☒ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
733110	National	<b>330-3110</b>				
733111	National	<b>330-3111</b>				
733112	National	<b>330-3112</b>				
733113	National	<b>330-3113</b>				
733114	National	<b>330-3114</b>				
733115	National	<b>330-3115</b>				
7378	National		<b>392-9087</b>	<b>309-0970</b>		
741147	GMC/Volvo		<b>392-9032</b>			
745400P	Mechanex/Barrier		<b>372-7099</b>	<b>307-0723</b>	<b>373-0123</b>	<b>373-0223</b>
747400P	Mechanex/Barrier		<b>372-7098</b>	<b>307-0713</b>	<b>373-0113</b>	<b>373-0213</b>
747400P	Mechanex/Barrier		<b>392-9032</b>			
749400P	Mechanex/Barrier		<b>372-7095</b>	<b>307-0744</b>	<b>373-0144</b>	
755400P	Mechanex/Barrier		<b>372-7097</b>	<b>307-0743</b>	<b>373-0143</b>	<b>373-0243</b>
761400P	Mechanex/Barrier		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
770400P	Mechanex/Barrier		<b>392-9099</b>	<b>309-0912/0915</b> ☒	<b>393-0112</b>	<b>393-0212</b>
771723C91	Navistar		<b>392-9088</b>	<b>309-0964</b>		
775698C91	Navistar		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
780055C91	Navistar	<b>320-2092</b>				
780316C91	Navistar		<b>382-8053</b>	<b>308-0853</b>	<b>383-0153</b>	
781265C91	Navistar	<b>343-4249</b>				
781565C92	Navistar	<b>343-4250</b>				
785400P	Mechanex/Barrier		<b>392-9094</b>	<b>309-0903</b>	<b>393-0103</b>	<b>393-0203</b>
7866S	National		<b>382-8028</b>			
7866S	National		<b>392-9043</b>			
794408C91	Navistar		<b>382-8064</b>	<b>308-0864</b>	<b>383-0164</b>	<b>383-0264</b>
79470	Eaton	<b>460-6002</b>				
7EQ1175A	Ford		<b>392-9018</b>			
7EQH1175	Ford		<b>392-9099</b>	<b>309-0912/0915</b> ☒	<b>393-0112</b>	<b>393-0212</b>
8061231	GMC/Volvo	<b>330-3009</b>				
8069924	GMC/Volvo	<b>343-4024</b>				
806994	GMC/Volvo	<b>343-4024</b>				
810196	Eaton	<b>320-2137</b>				
810197	Eaton	<b>310-1037</b>				
812928	Eaton	<b>343-4095</b>				
815214	Eaton	<b>343-4195</b>				
815215	Eaton		<b>372-7099</b>	<b>307-0723</b>	<b>373-0123</b>	<b>373-0223</b>
815312	Eaton	<b>330-3106</b>				
815996	Eaton	<b>343-4264</b>				
81774	C/R	<b>310-1111</b>				
821187	Eaton	<b>340-5098</b>				
821338	Eaton	<b>343-4009</b>				
821345	Eaton	<b>310-1036</b>				
821346	Eaton	<b>320-2036</b>				
821601	Eaton		<b>372-7097</b>	<b>307-0743</b>	<b>373-0143</b>	<b>373-0243</b>
821604	Eaton	<b>315-1504</b>				
821610	Eaton	<b>320-2110</b>				
821615	Eaton	<b>340-4119</b>				
821907	Eaton	<b>343-4009</b>				
847	NOK		<b>382-8036</b>	<b>308-0836</b>	<b>383-0136</b>	<b>383-0236</b>
848	NOK		<b>392-9099</b>	<b>309-0915</b> ☒	<b>393-0115</b>	
849	NOK		<b>392-9099</b>	<b>309-0912/0915</b> ☒	<b>393-0112</b>	<b>393-0212</b>
850	NOK		<b>372-7098</b>	<b>307-0713</b>	<b>373-0113</b>	<b>373-0213</b>
851	NOK		<b>372-7099</b>	<b>307-0723</b>	<b>373-0123</b>	<b>373-0223</b>
852	NOK		<b>392-9112</b> ☒	<b>309-0904</b>	<b>393-0104</b>	<b>393-0204</b>
853	NOK		<b>372-7095</b>	<b>307-0744</b>	<b>373-0144</b>	
854	NOK		<b>392-9092</b>	<b>309-0965</b>		

☐ When using HM516449A, use 392-9130 set.

☒ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

☒ Obsolete set, components still available.

☒ Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

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# Cross Reference

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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
854945	GMC/Volvo	460-6005				
855	NOK		382-8053	308-0853	383-0153	
856	NOK		392-9094	309-0903	393-0103	393-0203
857	NOK		382-8056	308-0856	383-0156	
858	NOK		392-9088	309-0964		
858381	GMC/Volvo	343-4024				
858381	Western Star	343-4024				
859	NOK		372-7097	307-0743	373-0143	373-0243
860	NOK		392-9132	309-0960		
861	NOK		392-9131	309-0973	393-0173	393-0273
86109	Trailmobile	347-4009				
862500	GMC/Volvo	343-4009				
862500	Western Star	343-4009				
862501	Western Star	330-3009/3067				
862739C91	Navistar		392-9036			
862935C1	Navistar	310-1063				
863	NOK		382-8064	308-0864	383-0164	383-0264
864643C91	Navistar		392-9099	309-0912/0915 ☒		
864643C92	Navistar		392-9099	309-0912/0915 ☒		
864784C91	Navistar		392-9099	309-0912/0915 ☒		
8668	Trailmobile	340/343-4009				
868861R1	Navistar	330-3024				
870485C91	Navistar		392-9088	309-0964		
870889C91	Navistar		382-8064	308-0864	383-0164	383-0264
870890C91	Navistar		382-8064	308-0864	383-0164	383-0264
8720	Trailmobile	330-3009				
875188R2	Navistar		392-9099	309-0912/0915 ☒		
876235R91	Navistar		382-8029			
88319	NOK			309-0973	393-0173	393-0273
88327	Eaton		392-9062			
8872	National		382-8064	308-0864	383-0164	383-0264
8873095	GMC/Volvo	460-6006				
8873424	GMC/Volvo	310-1014				
889246	White	460-6007				
88AX110	Mack		382-8023			
88AX110	Mack		382-8039		383-0139 ☒	383-0239 ☒
88AX177	Mack		392-9094	309-0903	393-0103	393-0203
88AX305	Mack		382-8023			
88AX305	Mack		382-8039		383-0139 ☒	383-0239 ☒
88AX372	Mack		392-9094	309-0903	393-0103	393-0203
88AX374	Mack		392-9019 ☒			
88AX375	Mack		392-9007			
88AX376	Mack		392-9089	309-0948	393-0148	
88AX378	Mack		392-9007			
88AX382	Mack		392-9089	309-0948	393-0148	
88AX402	Mack		392-9089	309-0948	393-0148	
88AX403	Mack		392-9089	309-0948	393-0148	
88AX404	Mack		392-9089	309-0948	393-0148	
88AX405	Mack		392-9112 ☒	309-0904	393-0104	393-0204
88AX407	Mack		392-9094	309-0903	393-0103	393-0203
88AX418	Mack		392-9112 ☒	309-0904	393-0104	393-0204
88AX420	Mack		392-9131	309-0973	393-0173	393-0273
88AX421	Mack		392-9094	309-0903	393-0103	393-0203
88AX424	Mack		392-9089	309-0948	393-0148	
88AX427	Mack		392-9096	309-0965		
88AX432	Mack	320-2009				

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☒ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

☒ Obsolete set, components still available.

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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
88AX443	Mack		392-9081	309-0960		
88AX448	Mack		392-9112 □	309-0904	393-0104	393-0204
88AX450	Mack		392-9132	309-0960		
88AX461	Mack		392-9131	309-0973	393-0173	393-0273
88AX466	Mack		392-9112 □	309-0904	393-0104	393-0204
88AX467	Mack		392-9094	309-0903	393-0103	393-0203
88AX469	Mack		382-8064	308-0864	383-0164	383-0264
88AX59	Mack		392-9032			
88AX59P3	Mack		392-9032			
88AX65	Mack		392-9007			
88AX70	Mack		382-8011			
88AX72	Mack		392-9019 □			
88AX97	Mack		382-8011			
88AZ110	Mack	320-2039				
88AZ110P1	Mack		382-8039		383-0139 □	383-0239 □
891016	Western Star	320-2001				
896941R91	Navistar		382-8064	308-0864	383-0164	383-0264
8976S	National		382-8009			
898235R92	Navistar	320-2114				
898235R93	Navistar		392-9096	309-0965		
900868	Trailmobile	343-4075				
9015S	National		392-9131	309-0973	393-0173	393-0273
9022299832	Heil	343-4075				
9022299868	Heil		372-7099	307-0723	373-0123	373-0223
90501017	Trailmobile		372-7097	307-0743	373-0143	373-0243
90501018	Trailmobile	320-2023				
90501019	Trailmobile	315-1503				
9128S	National		392-9045			
9156004	GMC/Volvo	310-1010				
921010001	Western Star	330-3097				
921010002	GMC/Volvo	343-4024				
921010003	GMC/Volvo	343-4046				
921010005	GMC/Volvo	343-4042				
921010006	GMC/Volvo	343-4042				
921010007	GMC/Volvo	343-4042				
921010008	GMC/Volvo	343-4042				
921010009	GMC/Volvo	340/343-4009				
921010024	GMC/Volvo	340-4119				
921010034	GMC/Volvo	343-4095				
921010043	GMC/Volvo	343-4281				
921015015	GMC/Volvo	343-4009				
921020001	GMC/Volvo	330-3097				
921030002	GMC/Volvo	359-5990				
925172R91	Navistar		382-8028			
925173R91	Navistar		382-8028			
92794	GMC/Volvo	460-6005				
93333R91	Navistar		382-8017			
9339S	National		382-8036	308-0836	383-0136	383-0236
940010001	GMC/Volvo		382-8064	308-0864	383-0164	383-0264
940010002	GMC/Volvo	320-2099				
940010002	Western Star	320-2099				
940010003	GMC/Volvo		392-9062			
940010004	GMC/Volvo	320-2036				
940010004	Western Star	320-2036				
940010005	GMC/Volvo	320-2137				
940010005	Western Star	320-2137				

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□ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

□ Obsolete set, components still available.

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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
940010006	GMC/Volvo		372-7097	307-0743	373-0143	373-0243
940010007	GMC/Volvo		392-9053			
940010010	GMC/Volvo		382-8036	308-0836	383-0136	383-0236
940010011	GMC/Volvo		392-9087	309-0970		
940010013	GMC/Volvo		392-9087	309-0970		
940010013	Western Star	320-2162				
940010014	GMC/Volvo		382-8036	308-0836	383-0136	383-0236
940010015	GMC/Volvo		392-9087	309-0970		
940010017	GMC/Volvo		392-9099	309-0912		
940010019	GMC/Volvo		392-9131	309-0973	393-0173	393-0273
940010021	GMC/Volvo		382-8036	308-0836	383-0136	383-0236
940010022	GMC/Volvo		392-9131	309-0973	393-0173	393-0273
940010022	Western Star		392-9131	309-0973	393-0173	393-0273
940010028	GMC/Volvo		392-9131	309-0973	393-0173	393-0273
940010029	GMC/Volvo		382-8036	308-0836	383-0136	383-0236
940010030	GMC/Volvo		392-9131	309-0973	393-0173	393-0273
940010034	GMC/Volvo		392-9131	309-0973	393-0173	393-0273
940010038	GMC/Volvo		382-8064	308-0864	383-0164	383-0264
940010039	GMC/Volvo		382-8036	308-0836	383-0136	383-0236
940010040	GMC/Volvo		392-9131	309-0973	393-0173	393-0273
940013401	GMC/Volvo	310-1048				
940013406	GMC/Volvo	320-2110				
940013406	Western Star	320-2110				
940013409	GMC/Volvo		372-7097	307-0743	373-0143	373-0243
940013410	GMC/Volvo		372-7097	307-0743	373-0143	373-0243
940013412	Western Star		372-7097	307-0743	373-0143	373-0243
940013602	GMC/Volvo		392-9081	309-0960		
940013604	GMC/Volvo		382-8036	308-0836	383-0136	383-0236
940013606	GMC/Volvo		382-8045			
940013802	GMC/Volvo	320-2109				
940013804	GMC/Volvo	320-2110				
940013902	Western Star		382-8064	308-0864	383-0164	383-0264
940015001	Western Star		382-8036	308-0836	383-0136	383-0236
940040001	GMC/Volvo	310-1089				
940040001	Western Star	310-1089				
940040002	Western Star	310-1103				
940040003	GMC/Volvo	310-1095				
940040004	Western Star	310-1036				
940040007	GMC/Volvo	315-1502				
940040007	Western Star	315-1502				
940043401	Western Star	310-1048				
940043802	GMC/Volvo	315-1504				
94RU150	Mack	359-5990				
94RU19309	Mack	330-3024				
94RU262	Mack	330-3025				
94RU263	Mack	330-3009/3067				
94RU263P2	Mack	330-3097				
94RU263P3	Mack	330-3122				
94RU264	Mack	330-3046				
94RU265	Mack	330-3008				
94RU266	Mack	330-3031				
94RU267	Mack	330-3046				
94RU278	Mack	330-3012				
95357	Eaton		392-9099	309-0912/0915 ☒		
9584	National		392-9035	309-0935		
966446R91	Navistar	460-6001				

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968190R1 968191R92 971118R1	Navistar Navistar Navistar	<b>330-3035</b> <b>343-4036</b>				
972401R91 972424R91 974526R91	Navistar Navistar Navistar	<b>460-6012</b>	<b>392-9099</b>	<b>309-0912/0915</b> <sup>2</sup>		
974644R1 974644R1 974644R91	Navistar Navistar Navistar		<b>392-9021</b> <b>392-9046</b> <b>392-9021</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
974644R91 982259R91 983006R91	Navistar Navistar Navistar		<b>392-9046</b> <b>392-9001</b> <b>392-9095</b>	<b>309-0961</b>		
983570R1 992481C91 992484C91	Navistar Navistar Navistar		<b>392-9131</b> <b>382-8066</b> <b>382-8056</b>	<b>309-0973</b> <b>308-0866</b> <b>308-0856</b>	<b>393-0173</b> <b>383-0166</b> <b>383-0156</b>	<b>393-0273</b>
992485C91 A11244C393 A1205A1925	Navistar Meritor Meritor	<b>310-1095</b> <b>460-6004</b>				
A1205B1250 A1205B1926 A1205B2264	Meritor Meritor Meritor	<b>320-2110</b> <b>460-6011</b>				
A1205B574 A1205C1381 A1205C1719	Meritor Meritor Meritor	<b>320-2105</b>	<b>382-8036</b> <b>392-9057</b>	<b>308-0836</b> <b>309-0957</b>	<b>383-0136</b>	<b>383-0236</b>
A1205C1875 A1205C1875 A1205C1927	Meritor Meritor Meritor		<b>382-8071</b> <b>372-7098</b> <b>392-9032</b>	<b>307-0713</b>	<b>373-0113</b>	<b>373-0213</b>
A1205C2343 A1205D1070 A1205D2526	Meritor Meritor Meritor	<b>460-6007</b>	<b>372-7097</b>	<b>307-0743</b>	<b>373-0143</b>	<b>373-0243</b>
A1205D2578 A1205E1071 A1205E1253	Meritor Meritor Meritor	<b>320-2137</b>	<b>320-2036</b>	<b>392-9099</b> <b>382-8064</b>	<b>309-0912</b> <b>308-0864</b>	<b>393-0112</b> <b>383-0164</b> <b>383-0264</b>
A1205E1799 A1205E2475 A1205F136	Meritor Meritor Meritor		<b>392-9057</b> <b>372-7098</b> <b>382-8036</b> <b>382-8001</b>	<b>309-0957</b> <b>307-0713</b> <b>308-0836</b>	<b>373-0113</b> <b>383-0136</b> <b>383-0101</b>	<b>373-0213</b> <b>383-0236</b>
A1205F2554 A1205G1515 A1205G2191	Meritor Meritor Meritor		<b>382-8066</b> <b>382-8063</b> <b>372-7097</b>	<b>308-0866</b> <b>308-0863</b> <b>307-0743</b>	<b>383-0166</b> <b>373-0143</b>	<b>373-0243</b>
A1205G2503 A1205G631 A1205G735	Meritor Meritor Meritor		<b>392-9099</b> <b>382-8036</b> <b>392-9038</b>	<b>309-0912</b> <b>308-0836</b>	<b>393-0112</b> <b>383-0136</b>	<b>393-0212</b> <b>383-0236</b>
A1205H1100 A1205H762 A1205J1934	Meritor Meritor Meritor	<b>320-2061</b> <b>460-6005</b>	<b>382-8028</b>			
A1205J2194 A1205J2350 A1205J2428	Meritor Meritor Meritor		<b>392-9131</b> <b>392-9132</b>	<b>309-0973</b> <b>309-0960</b>	<b>393-0173</b>	<b>393-0273</b>
A1205J634 A1205J998 A1205K1285	Meritor Meritor Meritor	<b>460-6011</b> <b>460-6001</b> <b>320-2106</b>	<b>392-9095</b>	<b>309-0961</b>		
A1205K2013 A1205K2351 A1205K999	Meritor Meritor Meritor		<b>382-8001</b> <b>372-7099</b> <b>372-7097</b>	<b>307-0723</b> <b>307-0743</b>	<b>383-0101</b> <b>373-0123</b> <b>373-0143</b>	<b>373-0223</b> <b>373-0243</b>
A1205L1338 A1205L1546	Meritor Meritor		<b>382-8036</b> <b>392-9034</b>	<b>308-0836</b>	<b>383-0136</b> <b>393-0134</b>	<b>383-0236</b>

- <sup>1</sup> When using HM516449A, use 392-9130 set.  
<sup>2</sup> Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.  
<sup>3</sup> Obsolete set, components still available.  
<sup>4</sup> Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

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A1205L1598	Meritor	460-6003	372-7097	307-0743	373-0143	373-0243
A1205L2352	Meritor		392-9131	309-0973	393-0173	393-0273
A1205L714	Meritor					
A1205M1339	Meritor		382-8064	308-0864		
A1205M1625	Meritor		392-9033			
A1205M897	Meritor			307-0713	373-0113	
A1205N1912	Meritor		382-8036	308-0836	383-0136	383-0236
A1205N898	Meritor		372-7095	307-0744	373-0144	
A1205P1108	Meritor		382-8064	308-0864	383-0164	383-0264
A1205P1212	Meritor		372-7097	307-0743	373-0143	373-0243
A1205P1888	Meritor		372-7099	307-0723	373-0123	373-0223
A1205P276	Meritor		392-9038			
A1205P666	Meritor	460-6012	392-9034		393-0134	
A1205Q1889	Meritor		372-7099	307-0713	373-0123	373-0223
A1205Q1915	Meritor					
A1205Q2487	Meritor		392-9131	309-0973	393-0173	393-0273
A1205R1630	Meritor		392-9087	309-0970		
A1205R2410	Meritor		392-9131	309-0973	393-0173	393-0273
A1205R2566	Meritor		372-7097	307-0743	373-0143	373-0243
A1205S2307	Meritor		382-8064	308-0864	383-0164	383-0264
A1205S669	Meritor		382-8018			
A1205T1502	Meritor		392-9038			
A1205T1814	Meritor		392-9007			
A1205T436	Meritor		382-8029			
A1205T670	Meritor		392-9033			
A1205T696	Meritor		392-9131	309-0973	393-0173	393-0273
A1205T774	Meritor		392-9053			
A1205U1061	Meritor	320-2099	392-9131	309-0973	393-0173	393-0273
A1205U1659	Meritor		320-2133			
A1205U1711	Meritor					
A1205U1737	Meritor	460-6006				
A1205U2101	Meritor		392-9131	309-0973	393-0173	393-0273
A1205U2205	Meritor		372-7062			
A1205U2491	Meritor		382-8036	308-0836	383-0136	383-0236
A1205U697	Meritor	320-2086	392-9087	309-0970		
A1205V1192	Meritor					
A1205V2102	Meritor		382-8044			
A1205V2180	Meritor		392-9131	309-0973	393-0173	393-0273
A1205V2492	Meritor		392-9131	309-0973	393-0173	393-0273
A1205W1349	Meritor		392-9099	309-0912/0915		
A1205W1375	Meritor		382-8036	308-0836	383-0136	383-0236
A1205W1557	Meritor		392-9035	309-0935		
A1205W1557	Meritor		392-9036			
A1205X1662	Meritor		372-7097	307-0743	373-0143	373-0243
A1205X2702	Meritor		372-7097	307-0743	373-0143	373-0243
A1205X700	Meritor		392-9001			
A1205Y1559	Meritor		372-7018			
A1205Y1559	Meritor		392-9018			
A1205Y1715	Meritor		382-8044			
A1205Y1975	Meritor	460-6006	372-7099	307-0723	373-0123	373-0223
A1205Y727	Meritor					
A1205Z1638	Meritor		320-2104	382-8045		
A1205Z1742	Meritor					
A1205Z1820	Meritor		392-9053			
A1205Z2470	Meritor		392-9099	309-0912/0915		
A1205Z364	Meritor		382-8001			

■ When using HM516449A, use 392-9130 set.

■ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

■ Obsolete set, components still available.



■ Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

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Shaded numbers indicate obsolete part numbers, refer to Engineering Changes for more information.

# Cross Reference


Information contained in this section is furnished as a guide.  
Verify specific application elsewhere in this catalog when possible.

Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
A1205Z780	Meritor		382-8064	308-0864		
A1244C393	Meritor	310-1095				
A1244V1556	Meritor	310-1093				
A1805E369	Meritor		382-8017			
A1805S615	Meritor		392-9094	309-0903	393-0103	393-0203
A1805U723	Meritor		382-8017			
A1805V542	Meritor		392-9131	309-0973	393-0173	393-0273
A1805W725	Meritor		372-7018 			
A1805W725	Meritor		392-9018			
A205F1032	Meritor		392-9033			
A205F1043	Meritor		392-9033			
A2208N820	Meritor	330-3097				
A3262A1353	Meritor	343-4176				
A3262C133	Meritor	343-4009				
A3262D264	Meritor	343-4249				
A3262F214	Meritor	343-4049				
A3262G1177	Meritor	343-4095				
A3262G215	Meritor	343-4024				
A3262H1048	Meritor	347-4009				
A3262H398	Meritor	343-4009				
A3262J1180	Meritor	343-4195				
A3262J166	Meritor	343-4080				
A3262M1183	Meritor	341-4009				
A3262Q277	Meritor	343-4065				
A3262Q407	Meritor	343-4075				
A3262T1216	Meritor	343-4024				
A545634	Fruehauf		372-7003			
ACA5207	Fruehauf		372-7099	307-0723	373-0123	373-0223
ACA52071	Fruehauf		372-7099	307-0723	373-0123	373-0223
ACE55171	Fruehauf		372-7099	307-0723	373-0123	373-0223
ACF006562	Fruehauf		372-7099	307-0723	373-0123	373-0223
ACF6562	Fruehauf		372-7099	307-0723	373-0123	373-0223
AR10	National	310-1041				
AR12	National	310-1038				
AR2	National	310-1022				
AR20	National	310-1095				
AR4	National	310-1051				
AR5	National	310-1050				
AR6	National	310-1032				
AXA0043	Fruehauf		372-7099	307-0723	373-0123	373-0223
B370131BGO	National		382-8056	308-0856	383-0156	
B6J1175A	Ford		392-9038			
B6Q1175A	Ford		392-9035	309-0935		
C3TA1190A	Ford		382-8005			
C3TZ1190A	Ford		382-8005			
C3TZ1190C	Ford		382-8018 			
C5TA1190B	Ford		382-8064	308-0864	383-0164	383-0264
C5TA1190D	Ford		382-8027			
C5TZ1190B	Ford		382-8064	308-0864	383-0164	383-0264
C5TZ1190D	Ford		382-8027			
C9HA1190A	Ford		382-8044			
C9HA1190B	Ford		382-8045			
C9HS1131A	Ford	343-4092				
C9HZ1175A	Ford		392-9096	309-0965		
C9HZ1175B	Ford		392-9088	309-0964		
C9HZ1190A	Ford		382-8044			

 When using HM516449A, use 392-9130 set.

 Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

 Obsolete set, components still available.

 Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

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Shaded numbers indicate obsolete part numbers, refer to Engineering Changes for more information.



# Cross Reference

Information contained in this section is furnished as a guide.  
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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
C9HZ1190B	Ford		382-8045			
D0HA1131T	Ford	343-4028				
D0HA1131U	Ford	343-4024				
D0HA1153M	Ford	330-3012				
D0HA1153R	Ford	330-3024				
D0HA1153S	Ford	330-3040				
D0HA1153T	Ford	330-3028				
D0HA1190S	Ford	320-2105				
D0HA3B304C	Ford	310-1008				
D0HZ1131A	Ford	343-4065				
D0HZ1131B	Ford	343-4186				
D0HZ1131C	Ford	343-4024				
D0HZ1131F	Ford	343-4092				
D0HZ1131G	Ford	343-4028				
D0HZ1131K	Ford	343-4049				
D0HZ1153A	Ford	330-3040				
D0HZ1153B	Ford	330-3028				
D0HZ1153C	Ford	330-3024				
D0HZ1153D	Ford	330-3009				
D0HZ1153G	Ford	330-3012				
D0HZ1153J	Ford	330-3040				
D0HZ1153K	Ford	330-3028				
D0HZ1173A	Ford	310-1064				
D0HZ1175A	Ford		392-9038			
D0HZ1175B	Ford		392-9035	309-0935		
D0HZ1175C	Ford		392-9057	309-0957		
D0HZ1175D	Ford		392-9099	309-0912/0915 ☒		
D0HZ1175E	Ford		392-9096	309-0965		
D0HZ1175F	Ford		392-9088	309-0964		
D0HZ1190A	Ford		382-8044			
D0HZ1190B	Ford		382-8036	308-0836	383-0136	383-0236
D0HZ1190C	Ford		382-8045			
D0HZ1A131A	Ford	359-5990				
D0TZ1175A	Ford		392-9038			
D0TZ1175B	Ford		392-9035	309-0935		
D0TZ1175C	Ford		392-9018			
D0TZ1175D	Ford		392-9099	309-0912/0915 ☒		
D0TZ1175E	Ford		392-9057	309-0957		
D0TZ1190A	Ford					
D1HA1131EA	Ford	343-4124				
D1HA1131FA	Ford	343-4186				
D1HA1131KA	Ford	343-4249				
D1HA1190AA	Ford		382-8036	308-0836	383-0136	383-0236
D1HA1190BA	Ford		382-8045			
D1HA1190DA	Ford		382-8028			
D1HS1175BA	Ford		392-9096	309-0965		
D1HS1175CA	Ford		392-9095	309-0961		
D1HS1190AA	Ford		382-8063	308-0863		
D1HZ1190A	Ford		382-8036	308-0836	383-0136	383-0236
D1HZ1190B	Ford		382-8045			
D2HA4813AA	Ford	460-6007				
D3HS1175BA	Ford	320-2102				
D3TA1190B1A	Ford		382-8063	308-0863		
D5HA1175AA	Ford	320-2106				
D5HZ1175A	Ford		392-9131	309-0973	393-0173	393-0273
D5HZ1190A	Ford		382-8063	308-0863		

☐ When using HM516449A, use 392-9130 set.

☒ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

☑ Obsolete set, components still available.

☒ Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

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Shaded numbers indicate obsolete part numbers, refer to Engineering Changes for more information.

# Cross Reference

Information contained in this section is furnished as a guide.  
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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
D5HZ1190B D5HZ1190C D5HZ1190D	Ford Ford Ford		382-8036 382-8064 382-8064	308-0836 308-0864 308-0864	383-0136 383-0164 383-0164	383-0236 383-0264 383-0264
D5HZ1190E D7HD1173AA D7HD1175AA	Ford Ford Ford	310-1089 320-2099	382-8063	308-0863		
D7HT1173BA D7HT1175BA D7HZ1175D	Ford Ford Ford	315-1502 320-2001				
D7HZ1175E D8HT1173AA DG516P	Ford Ford Dual Dynamics	315-1501 340-4013	392-9131 392-9001			
DG516PS DG6F DG6F4.5	Dual Dynamics Dual Dynamics Dual Dynamics	343-4013 340-4046 340-4024				
DG6FL DG6P DG6PS	Dual Dynamics Dual Dynamics Dual Dynamics	340-4249 340-4009 343-4009				
DGP DGPS E0HZ1A131B	Dual Dynamics Dual Dynamics Ford	340-4075 343-4075 359-5915				
E1HT1175BA E1HZ1175A E1HZ1175B	Ford Ford Ford		392-9131 392-9131 392-9131	309-0973 309-0973 309-0973	393-0173 393-0173 393-0173	393-0273 393-0273 393-0273
E2HT1190AA E2HT1190BA E2HZ1175A	Ford Ford Ford		382-8036 382-8064 392-9131	308-0836 308-0864 309-0973	383-0136 383-0164 393-0173	383-0236 383-0264 393-0273
E2HZ1177A E2HZ4478A E3HS1131AA	Ford Ford Ford	460-6004 343-4009	392-9131	309-0973	393-0173	393-0273
E3HZ1190A E3HZ1190B E3HZ1190C	Ford Ford Ford		382-8027 382-8036 382-8064	308-0836 308-0864	383-0136 383-0164	383-0236 383-0264
E3HZ4676A E4HT1175AA E4HZ1131A	Ford Ford Ford	460-6002 343-4186	392-9131	309-0973	393-0173	393-0273
E4HZ1131B E4HZ1175B E5HT1175CA	Ford Ford Ford	343-4186	392-9131 392-9099	309-0973 309-0912/0915 ☐	393-0173	393-0273
E5HT1175GA E5HT1190AA E5HZ1131A	Ford Ford Ford	343-4046	392-9131 382-8063	309-0973 308-0863	393-0173	393-0273
E5HZ1131B E5HZ1190A E5TZ1177B	Ford Ford Ford	343-4095	382-8063 392-9035	308-0863 309-0935		
E6HT1175AA E6HZ1175C E6HZ1175E	Ford Ford Ford		392-9099 392-9099 392-9099	309-0912/0915 ☐ 309-0912/0915 ☐ <sup>2</sup> 309-0912/0915 ☐		
E6HZ1190A E6HZ1190D E7HT1175AA	Ford Ford Ford		382-8063 382-8036 392-9035	308-0863 308-0836 309-0935	383-0136	
E7HT1190AA E7HZ1175A E7HZ1190A	Ford Ford Ford		382-8036 392-9035 382-8036	308-0836 309-0935 308-0836	383-0136 383-0136	383-0236 383-0236
E8HS1175BA E8HS1175CA	Ford Ford		392-9131 392-9131	309-0973 309-0973	393-0173 393-0173	393-0273 393-0273

☐ When using HM516449A, use 392-9130 set.

☐ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

☐ Obsolete set, components still available.

☐ Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

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Shaded numbers indicate obsolete part numbers, refer to Engineering Changes for more information.

# Cross Reference

Information contained in this section is furnished as a guide.  
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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
E8HS1190CA	Ford		382-8036	308-0836	383-0136	383-0236
E8TW1177BA	Ford		392-9035	309-0935		
E8TZ1175A	Ford		382-8017			
E8TZ1177B	Ford		392-9035	309-0935		
F0HT1190AA	Ford		382-8036	308-0836	383-0136	383-0236
F0TZ1177A	Ford		392-9035	309-0935		
F0TZ1177AA	Ford		392-9035	309-0935		
F18571	Eaton		382-8064	308-0864	383-0164	383-0264
F18572	Eaton		382-8064	308-0864	383-0164	383-0264
F1HS1175AA	Ford		392-9099	309-0912/0915 ☐		
F1HT1131AA	Ford	343-4065				
F1HZ1175A	Ford		392-9099	309-0912/0915 ☐		
F1HZ1175C	Ford		392-9096	309-0965		
F1HZ1175D	Ford		392-9088	309-0964		
F2HS1131AA	Ford	343-4281				
F2HS1190AA	Ford		382-8064	308-0864	383-0164	383-0264
F2HT1175AA	Ford		392-9099	309-0912/0915 ☐		
F2HZ1175A	Ford		392-9035	309-0935		
F2HZ1175B	Ford		392-9099	309-0912/0915 ☐		
F2HZ1175C	Ford		392-9131	309-0973	393-0173	393-0273
F2TZ1175A	Ford		382-8017			
F3HS1175AA	Ford		392-9099	309-0912/0915 ☐		
F3HT1131BA	Ford	343-4124				
F3HT1153AA	Ford	330-3024				
F3HT1175AA	Ford		392-9035	309-0935		
F3HZ1131C	Ford	343-4024				
F3TW1177CA	Ford		392-9035	309-0935		
F4HS1175BA	Ford		392-9131	309-0973	393-0173	393-0273
F4TZ1177B	Ford		392-9035	309-0935		
F4TZ1177C	Ford		392-9035	309-0935		
H075	National	343-4075				
HI004320	Monon	347-4009				
HI004323	Monon	320-2110				
HI004324	Monon	315-1504				
HI004325	Monon	343-4009				
HI004326	Monon	330-3009				
HI036513	Monon				373-0113	
HS1643	Mechanex/Barrier	343-4249				
HS34386	Mechanex/Barrier		392-9035	309-0935		
HS34972	Mechanex/Barrier		382-8063	308-0863		
HS34999	Mechanex/Barrier		392-9036			
HS35059	Mechanex/Barrier		382-8036	308-0836	383-0136	383-0236
HS36357	Mechanex/Barrier		382-8011			
HS36357	Mechanex/Barrier		382-8071			
HS38748	Mechanex/Barrier		392-9099	309-0912/0915 ☐		
HS38779	Mechanex/Barrier		392-9099	309-0912/0915 ☐		
HS39977	Mechanex/Barrier		382-8023			
HS39977	Mechanex/Barrier		382-8039			
HS40088	Mechanex/Barrier		382-8001			
HS40133	Mechanex/Barrier		372-7098	307-0713	373-0113	373-0213
HS40133	Mechanex/Barrier		392-9032			
HS42622	Mechanex/Barrier		372-7099	307-0723	373-0123	373-0223
HS42671	Mechanex/Barrier		392-9112 ☐	309-0904	393-0104	393-0204
HS43753	Mechanex/Barrier		372-7095	307-0744	373-0144	
HS43763	Mechanex/Barrier		382-8064	308-0864	383-0164	383-0264
HS43861	Mechanex/Barrier		392-9096	309-0965		

☐ When using HM516449A, use 392-9130 set.

☐ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

☐ Obsolete set, components still available.

☐ Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

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Shaded numbers indicate obsolete part numbers, refer to Engineering Changes for more information.

# Cross Reference

Information contained in this section is furnished as a guide.  
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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
HS44919	Mechanex/Barrier		382-8053	308-0853	383-0153	
HS44963	Mechanex/Barrier		392-9033			
HS45097	Mechanex/Barrier		392-9094	309-0903	393-0103	393-0203
HS45102	Mechanex/Barrier		382-8056	308-0856	383-0156	
HS45158	Mechanex/Barrier		392-9088	309-0964		
HS453795	Mechanex/Barrier	330-3009				
HS455031	Mechanex/Barrier	310-1038				
HS455037	Mechanex/Barrier	310-1051				
HS456301	Mechanex/Barrier	310-1011				
HS46304	Mechanex/Barrier		372-7097	307-0743	373-0143	373-0243
HS47245	Mechanex/Barrier		392-9111			
HS47694	Mechanex/Barrier		392-9131	309-0973	393-0173	393-0273
HS47695	Mechanex/Barrier		392-9131	309-0973	393-0173	393-0273
HS48001	Mechanex/Barrier		392-9132	309-0960		
HU007A	National	340-4070 ☐				
HU008A	National	343-4006				
HU008A	National	343-4008				
HU009A	National	343-4009				
HU009A	National	343-4046				
HU009A	National	343-4098				
HU011A	National	343-4011				
HU012A	National	343-4012				
HU013A	National	343-4013				
HU014A	National	340-4014				
HU019A	National	343-4002				
HU019A	National	343-4019				
HU024A	National	343-4024				
HU028A	National	343-4028				
HU028A	National	343-4186				
HU031A	National	340-4031 ☐				
HU034A	National	343-4034				
HU036A	National	343-4025				
HU036A	National	343-4036				
HU036A	National	343-4092				
HU037A	National	343-4037				
HU039A	National	343-4198				
HU042A	National	343-4042				
HU057A	National	343-4057				
HU065A	National	343-4065				
HU066A	National	343-4066				
HU070A	National	340-4070 ☐				
HU110A	National	343-4095				
HU110A	National	343-4249				
HU149A	National	343-4049				
HU149A	National	343-4101				
M10HG108	Spicer-Dana	330-3009				
M10HG109	Spicer-Dana	330-3084				
M10HG111	Spicer-Dana	330-3062				
M10HG113	Spicer-Dana	330-3017				
M10HG115	Spicer-Dana	330-3056				
M10HG119	Spicer-Dana	330-3102				
M10HG124	Spicer-Dana	330-3024				
M10HG127	Spicer-Dana	330-3079				
M10HH101	Spicer-Dana	320-2109				
M10HH102	Spicer-Dana	320-2110				
M10HH1031	Spicer-Dana	320-2046				

☐ When using HM516449A, use 392-9130 set.

☑ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

☒ Obsolete set, components still available.

☒ Order kit # 383-8139 for Voyager® and 383-8239 for Discover®.

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Shaded numbers indicate obsolete part numbers, refer to Engineering Changes for more information.

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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
M10HH107	Spicer-Dana		372-7097	307-0743	373-0143	373-0243
M10HH111	Spicer-Dana	320-2111				
M10HH119	Spicer-Dana	320-2041				
M10HH125	Spicer-Dana	320-2173				
M10HH128	Spicer-Dana	320-2018				
M10HH138	Spicer-Dana	320-2023				
M10HH140	Spicer-Dana	320-2051				
M10HH153	Spicer-Dana		372-7097	307-0743	373-0143	373-0243
M10HH154	Spicer-Dana		382-8036	308-0836	383-0136	383-0236
M10HH157	Spicer-Dana		372-7099	307-0723	373-0123	373-0223
M10HK124	Spicer-Dana	340/343-4009				
M10HK127	Spicer-Dana	343-4082				
M10HK128	Spicer-Dana	340-4054				
M10HK143	Spicer-Dana	340-4157				
M10HK162	Spicer-Dana	343-4075				
M10HK170	Spicer-Dana	343-4024				
M10HK174	Spicer-Dana	343-4064				
M10HK182	Spicer-Dana	340/343-4009				
M10HK184	Spicer-Dana	343-4009				
M10HK185	Spicer-Dana	343-4249				
M10HS101	Spicer-Dana	315-1504				
M10HS102	Spicer-Dana	315-1507				
M10HS103	Spicer-Dana	310-1036				
M10HS104	Spicer-Dana	310-1013				
M10HS106	Spicer-Dana	315-1506				
M10HS109	Spicer-Dana	310-1043				
M10HS112	Spicer-Dana	315-1503				
M10HS118	Spicer-Dana	310-1008				
M10HS125	Spicer-Dana	310-1047				
R20148201	Strick	340/343-4009				
R20148202	Strick	330-3009				
R20148216	Strick	320-2110				
R20148217	Strick	315-1504				
R20148218	Strick	343-4195				
R20148219	Strick	330-3118				
R20148220	Strick	347-4009				
R20148222	Strick		372-7097	307-0743	373-0143	373-0243
R20148223-4	Strick		372-7099	307-0723	373-0123	373-0223
R20148225	Strick	343-4075				
R20148227	Strick	340/343-4009				
R20148501	Strick	640-0001				
SS46842	Victor		372-7098	307-0713	373-0113	373-0213
SS46842-1	Victor		372-7098	307-0713	373-0113	373-0213
SS46847	Victor		372-7095	307-0744	373-0144	
SS47889	Victor		392-9096	309-0965		
SS48087	Victor		372-7099	307-0723	373-0123	373-0223
SS64227-2	Victor		372-7006			
SS64227-2	Victor		382-8025 ❶			
SS64229	Victor		382-8025 ❶			
SS64231	Victor		372-7008			
SS64234-1	Victor		382-8001			
SS64236	Victor		372-7097	307-0743	373-0143	373-0243
SS64238-2	Victor		392-9062			
SS64238-3	Victor		392-9062			
SS64240-1	Victor		372-7015			
SS64240-3	Victor		382-8045			

❶ When using HM516449A, use 392-9130 set.

❷ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

❸ Obsolete set, components still available.

❹ Order kit # 383-8139 for Voyager® and 383-8239 for Discover™.

(Continued Next Page)

Shaded numbers indicate obsolete part numbers, refer to Engineering Changes for more information.

# Cross Reference

Information contained in this section is furnished as a guide.  
Verify specific application elsewhere in this catalog when possible.

Competitive Part No.	Competitor's Name	Stemco Misc Products	Stemco Std/ Grit Guard®	Stemco Guardian®	Stemco Voyager®	Stemco Discover™
SS64410	Victor		372-7025			
SS64412	Victor		382-8025 ☐			
SS64412-1	Victor		382-8071		383-0171	
SS64414	Victor		382-8036	308-0836	383-0136	383-0236
SS64415	Victor		382-8053	308-0853	383-0153	
SS64415-1	Victor		382-8052			
SS64429	Victor		372-7006			
SS64443	Victor		392-9095	309-0961		
SS64452	Victor		392-9094	309-0903	393-0103	393-0203
SS64456	Victor		372-7006			
SS64456	Victor		382-8025 ☐			
SS64462	Victor		382-8052			
SS64464	Victor		382-8009			
SS64471	Victor		372-7049			
SS64487	Victor		382-8018 ☐			
SS64491	Victor		382-8011			
SS64495	Victor		392-9010			
SS64495-1	Victor		382-8039		383-0139 ☐	383-0239 ☐
SS64502	Victor		382-8017			
SS64511	Victor		382-8034			
SS64517	Victor		382-8064	308-0864	383-0164	383-0264
SS64530	Victor		382-8036	308-0836	383-0136	383-0236
SS64534	Victor		382-8044			
SS64538	Victor		382-8063	308-0863		
SS64539	Victor		382-8056	308-0856	383-0156	
SS64542	Victor		392-9094	309-0903	393-0103	393-0203
SS64546	Victor		392-9087	309-0970		
SS64553	Victor		392-9096	309-0965		
SS64558	Victor		392-9035	309-0935		
SS64558-1	Victor		392-9036			
SS64561	Victor		392-9038			
SS64564	Victor		392-9038			
SS64567	Victor		392-9112 ☐	309-0904	393-0104	393-0204
SS64569	Victor		392-9089	309-0948	393-0148	
SS64571	Victor		392-9007			
SS64584	Victor		392-9099	309-0915		
SS64589	Victor		392-9057	309-0957		
SS64603	Victor		392-9131	309-0973	393-0173	393-0273
SS68001	Victor		372-7098	307-0713	373-0113	373-0213
SS68002	Victor		372-7099	307-0723	373-0123	373-0223
SS68003	Victor		372-7097	307-0743	373-0143	373-0243
SS68004	Victor		392-9132	309-0960		
SS68005	Victor		372-7024	372-7091	373-0191	
SS68006	Victor		392-9131	309-0973	393-0173	393-0273
SS68008	Victor		372-7097	307-0743	373-0143	373-0243
T11501317	Dodge		392-9057	309-0957		
T13501317	Dodge		392-9099	309-0912/0915 ☐		
UZ0255E0	NOK	460-6012				
UZ0301E0	NOK		372-7098	307-0713	373-0113	373-0213
UZ0302E0	NOK		372-7099	307-0723	373-0123	373-0223
UZ0303E0	NOK		372-7097	307-0743	373-0143	373-0243
UZ0304E0	NOK		392-9131	309-0973	393-0173	393-0273
UZ0305E0	NOK		382-8036	308-0836	383-0136	383-0236
UZ0306E0	NOK		392-9099	309-0912	393-0112	393-0212
UZ0307E0	NOK		392-9088	309-0964		
UZ0308E0	NOK		392-9081	309-0960		

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☐ Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.

☐ Obsolete set, components still available.

☐ Order kit # 383-8139 for Voyager® and 383-8239 for Discover™.

(Continued Next Page)

Shaded numbers indicate obsolete part numbers, refer to Engineering Changes for more information.

# Cross Reference

Information contained in this section is furnished as a guide.  
Verify specific application elsewhere in this catalog when possible.

Competitive Part No.	Competitor's Name	Stemco Misc Products	Stemco Std/ Grit Guard®	Stemco Guardian®	Stemco Voyager®	Stemco Discover™
UZ0308EO V10895522 V8027329	NOK GMC/Volvo GMC/Volvo	<b>343-4095</b>	<b>392-9132</b>	<b>309-0960</b> <b>308-0870</b>		
V8027330 W03HH101 W03HH102	GMC/Volvo Dana Dana		<b>382-8064</b> <b>382-8064</b> <b>382-8036</b>	<b>308-0864</b> <b>308-0864</b> <b>308-0836</b>	<b>383-0164</b> <b>383-0164</b> <b>383-0136</b>	<b>383-0264</b> <b>383-0264</b> <b>383-0236</b>
W03HK100 Z1026AC Z1026AD	Dana Eaton Eaton	<b>343-4249</b> <b>310-1038</b> <b>310-1041</b>				
Z1026L Z1026R Z1026T	Eaton Eaton Eaton	<b>310-1050</b> <b>310-1011</b>				
Z1026U	Eaton		<b>392-9112</b> <input type="checkbox"/> <b>392-9088</b>	<b>309-0904</b> <b>309-0964</b>	<b>393-0104</b>	<b>393-0204</b>

- When using HM516449A, use 392-9130 set.
- Use 0912 w/ 5.687 bore only; Use 0915 w/ 5.50 bore only.
- Obsolete set, components still available.
- Order kit # 383-8139 for Voyager® and 383-8239 for Discover™.

Seal Sets  
Seal Section

Installation  
Tools

Component  
Specs

Pro-Torq®

Long-Life  
Systems

Engineering  
Changes

Cross  
Reference

Installation  
Instructions

Shaded numbers indicate obsolete part numbers, refer to Engineering Changes for more information.





# Wheel Bearing Adjustment

## TMC's Recommended Wheel Bearing Adjustment Procedure for Standard Spindle Nuts

Proper wheel bearing adjustment is critical to the performance of wheel seals and other related wheel end products. For that reason, we are proud to be a part of TMC's Wheel End Task Force.

We are happy to bring these standards to you in the form of this technical guide. Working together, in this way, STEMCO helps keep your rigs rolling.

The following seven step bearing adjustment recommendation for standard spindle nuts was developed by TMC's Wheel End Task Force. It represents the combined input of manufacturers of wheel end components.

For Technical Support, call: 1-800-527-8492.

### STEP 1.

#### Bearing Lubrication:

Lubricate the wheel bearing with clean lubricant of the same type used in the axle sump or hub assembly.

### STEP 2.

#### Initial Adjusting Nut Torque:

Tighten the adjusting nut to a torque of 200 ft-lbs, while rotating the wheel.

### STEP 3.

#### Initial Back Off:

Back the adjusting nut off one full turn.

### STEP 4.

#### Re-Torque Adjustment:

Re-Torque adjusting nut to 50 ft-lbs while rotating the wheel.

### STEP 5.

#### Final Back Off:

AXLE TYPE	THREADS PER INCH	FINAL BACK OFF
<b>STEER</b> (Single Nut)	12	1/6 Turn*
	18	1/4 Turn*
<b>STEER</b> (Double Nut)	14	1/2 Turn
	18	1/2 Turn
<b>DRIVE</b>	12	1/4 Turn
	16	1/4 Turn
<b>TRAILER</b>	12	1/4 Turn
	16	1/4 Turn

*\*Install cotter pin to lock axle nut in position.*

### STEP 6.

#### Jam Nut Torque:

AXLE TYPE	NUT SIZE	TORQUE SPECIFICATIONS
<b>STEER</b> (Double Nut)	Less Than 2 5/8"	200-300 ft-lbs
	2 5/8" And Over	300-400 ft-lbs
<b>DRIVE</b>	Dowel Type Washer	300-400 ft-lbs
	Tang Type Washer	200-275 ft-lbs
<b>TRAILER</b>	Less Than 2 5/8"	200-300 ft-lbs
	2 5/8" And Over	300-400 ft-lbs

### STEP 7.

#### Acceptable End Play:

Refer to page 21 of the STEMCO TQM Catalog for measuring endplay.

# BEARING ADJUSTMENT

## Pro-Torq<sup>®</sup> Installation Procedure for Hubs with Manually Adjusted Wheel Bearings

### PRO-TORQ<sup>®</sup> ADVANCED AXLE SPINDLE NUTS

#### IMPORTANT

##### Pro-Torq<sup>®</sup> Installation Procedure for PreSet<sup>®</sup> or LMS<sup>®</sup> Hubs:

Pro-Torq<sup>®</sup> spindle nuts may be used with PreSet<sup>®</sup> or LMS<sup>®</sup> hub assemblies. When used with these systems, it is important to follow the hub manufacturers' product specific installation instructions. For PreSet<sup>®</sup> and LMS<sup>®</sup> hub assemblies, torque the Pro-Torq<sup>®</sup> spindle nut to a minimum of 250 ft. lbs. Engage the keeper. If the keeper can not be engaged, advance the spindle nut until it can be engaged. **DO NOT BACK OFF THE SPINDLE NUT.**

#### WARNING

Failure to follow this instruction could cause the wheel to come off and cause bodily injury. The PRO-TORQ<sup>®</sup> Spindle Nut is sold as an assembly with the keeper in place. DO NOT attempt to place the nut on the spindle or tighten or loosen the nut on the spindle while the keeper is locked inside the nut. Doing so may deform the keeper and allow the nut to unthread during operation. DO NOT bend or manipulate keyway tang in any way. Doing so may cause the tang to break off in service. Failure to back off the nut will cause the bearings to run hot and be damaged.

#### STEP 1. Remove The Keeper From The Nut:

Use a screwdriver to carefully pry the keeper arm from the undercut groove on each side until the keeper is released.



#### STEP 2. Seat the Bearing:

With hub or hub/drum only:

Using a torque wrench:

- 1 (A) Tighten the nut to 200 ft-lbs.  
Spin the wheel at least one full rotation.
- (B) Tighten the nut to 200 ft-lbs.  
Spin the wheel at least one full rotation.
- (C) Tighten the nut to 200 ft-lbs.
- 2 Back off until loose.

With hub/drum/wheels:

Using a torque wrench:

- 1 Tighten the nut to 200 ft-lbs while the wheel is rotating.
- 2 Back the nut off until it is loose.



#### STEP 3. Adjust The Bearing:

With hub or hub/drum only:

Using a torque wrench:

- 1 (A) Tighten the nut to 100 ft-lbs.  
Spin the wheel at least one full rotation.
- (B) Tighten the nut to 100 ft-lbs.  
Spin the wheel at least one full rotation.
- (C) Tighten the nut to 100 ft-lbs.
- 2 Back the nut off one raised face mark (according to chart).

With hub/drum/wheels:

Using a torque wrench:

- 1 Tighten the nut to 100 ft-lbs while the wheel is rotating.
- 2 Back the nut off one raised face mark (according to chart).



FINAL BACKOFF	
Part Numbers	Backoff
<b>Trailer Axle Nut</b> 447-4723, 447-4724, 449-4973	1/8 turn
<b>Trailer Axle Nut</b> 447-4743	1/4 turn
<b>Steering Spindle Nut</b> 448-4836, 448-4838, 448-4839, 448-4863, 448-4864, 448-4865	1/4 turn
<b>Steering Spindle Nut</b> 448-4837, 448-4840	1/3 turn
<b>Drive Axle Nut</b> 449-4904, 449-4973, 449-4974, 449-4975	1/8 turn

## STEP 4. Install the Keeper:

### Orange side facing out

- 1 Insert the keeper tab into the undercut groove of the nut and engage the keyway tang in the axle keyway. Insert keeper tab with the orange side facing out.
- 2 Engage the mating teeth.
- 3 Compress and insert the keeper arms, one at a time, into the undercut groove with a screwdriver.

### For Steering Spindle Nut

448-4836, 448-4839, 448-4840, 448-4863, 448-4864, and 448-4865

- 1 Align the flat of the keeper with the milled flat on the spindle and insert the keeper tab into the undercut groove of the nut. Insert keeper tab with the orange side facing out.
- 2 Engage the mating teeth.
- 3 Compress and insert the keeper arms, one at a time, into the undercut groove with a screwdriver.



**NOTE** Recommended practice is to replace the keeper each time the Pro-Torq nut assembly is removed for maintenance purposes.

## STEP 5. Inspect the Installation:

Failure to follow this instruction could cause the wheel to come off and cause bodily injury. Make sure that the keeper tab and keeper arms are fully seated into the undercut groove. Inspect keyway tang to insure it does not contact the bottom of the keyway. If contact exists, immediately notify your PRO-TORQ® representative.

**This procedure will consistently produce a bearing setting of .001" to .003" end play.**



## STEP 6. Acceptable End Play:

The dial indicator should be attached to the hub or brake drum with its magnetic base. Adjust the dial indicator so that its plunger is against the end of the spindle with its line of action approximately parallel to the axis of the spindle. Grasp the wheel or hub assembly at the 3 o'clock and 9 o'clock positions. Push and pull the wheel-end assembly in and out while oscillating the wheel approximately 45 degrees. Stop oscillating the hub so that the dial indicator tip is in the same position as it was before oscillation began. Read the bearing end-play as the total indicator movement.

\*Acceptable end-play is .001"- .005". For single nut self-locking systems, consult manufacturers' specifications. STEMCO assumes no responsibility for other manufacturers' bearing warranty.



## FAQS - COMMON CAUSES AND SOLUTIONS

**Q. Is there a problem with the keeper hitting the bottom of the keyway or the flat of the spindle?**

**A.** If contact exists, contact STEMCO Customer Service @ 1-800-527-8492.

**Q. Is a washer required between the Pro-Torq® Nut and the outer bearing?**

**A.** The bearing contact surface is hardened, therefore a washer is not required. One exception is a Ford 12,000# SIFCO steer axle.

**Q. What if the teeth in the Pro-Torq® Nut do not match-up with the keeper after the final adjustment?**

**A.** By very slightly loosening the nut, the teeth will engage the keeper.

**Q. Why does my keeper have paddles?**

**A.** A design improvement to help install the keeper correctly every time. More specific bearing adjustment procedures with standard adjustment nuts are addressed beginning on Page 48.

# Guardian®/Guardian®HP Installation

## STEP 1

Remove all burrs from the hub bore and spindle. Thoroughly clean the entire wheel cavity. Apply a thin layer of No. 2 sealant to the O.D. of the spindle shoulder. Place the seal assembly on the spindle so the words "OIL BEARING SIDE" are exposed to the oil. **WARNING: DO NOT INSTALL THE SEAL INTO THE HUB BORE.**



## STEP 2

Using the recommended STEMCO Universal Axle Tool, drive the seal assembly on until the tool bottoms against the shoulder. Make sure the ring is flush with the axle shoulder. Ensure seal fully contacts the wear ring flange. Wipe away any excess sealant.



## STEP 3

Dip the inner bearing in oil and place on the spindle. Note: The O.D. of the seal must be coated with a thin coat of lubricant. **NOTE: When using grease, pre-pack the inner bearing before placement into the hub.**

## STEP 4

With the wheel mounted on a wheel dolly, carefully push the wheel onto the spindle until it contacts the seal. Dip the outer bearing in oil and place it on the spindle. **NOTE: When using grease, pre-pack the outer bearing before placement into the hub.** Tighten the inner spindle nut hand tight and remove the wheel dolly.



## STEP 5

Tighten the inner nut to 200 ft. lbs. Rotate the wheel several times then back off nut one full turn. Make final bearing adjustment, according to TMC recommended bearing adjustment procedure. Install the appropriate axle fastener.



## STEP 6

Install the hub cap with a new gasket and fill the cavity with lubricant to the proper level. On drive axles be sure the differential oil level is high enough (manufacturer's recommended level) to ensure oil flow through the tube to the wheels. It is recommended to jack one side up and then the other until flow starts. Make certain the breather plug is clear. Recheck steers and trailers to ensure proper fill levels.

# Standard/Grit Guard® Seal Installation

## STEP 1

Remove all burrs and thoroughly clean the spindle. Apply a thin layer of No. 2 sealant to the O.D. of the spindle shoulder. Place the axle ring on the spindle.

## STEP 2

Using the recommended STEMCO Universal Axle Tool, drive the axle ring on until the tool bottoms against the spindle shoulder. Make certain the axle ring is flush with the shoulder. Wipe away any excess sealant.



## STEP 3

Remove all burrs from the hub bore and thoroughly clean the entire wheel cavity.

## STEP 4

With the wheel in the horizontal position, pre-lube the inner bearing and place it into the bearing cup.

**NOTE:** When using grease, pre-pack the outer bearing before placement into the hub.



## STEP 5

Apply a thin layer of No. 2 sealant to the O.D. of the seal and position the seal in the hub.



Using the recommended STEMCO Universal Hub Tool, held in a vertical position, drive the seal into the seal bore until it is bottomed out. Check the clearance between the bearing cone and seal (at least 1/32nd is required).

## STEP 6

With the wheel mounted on a dolly, carefully align the bore with the spindle. Gently push the wheel assembly onto the spindle to the proper position. Pre-lube the outer bearing and push it into the bearing cup.



**NOTE:** When using grease, pre-pack the inner bearing before placement into the hub.

## STEP 7

Assemble the inner nut and tighten it to 200 ft. lbs. Rotate the wheel several times then back off nut one full turn. Make final bearing adjustment, according to TMC recommended bearing adjustment procedure. Install the appropriate axle fastener.

## STEP 8

Install the hub cap with the new gasket and fill the cavity with lubricant to the proper level. On drive axles be sure the differential oil is high enough (manufacturer's recommended level) to ensure oil flow through the tube to the wheels. It is recommended to jack one side up and then the other until flow starts. Make certain the breather plug is clear. Recheck steers and trailers to ensure proper fill levels.

# Voyager®/Discover® Hub-Seal Installation

## STEP 1

Remove all burrs from hub bore and spindle. Thoroughly clean hub cavity and spindle.

**NOTE:** Do not apply a **sealant** to the spindle shoulder. Apply a light coat of lubricant to spindle surfaces.

## STEP 2

With the wheel in horizontal position, pre-lube the inner bearing and place it into the bearing cup.



**NOTE:** When using grease, pre-pack the inner bearing before placement into the hub.

## STEP 3

Place the seal on the recommended STEMCO Installation Tool, with the correct head, so that the words “Air Side” face into the tool. Place the tool (with the seal correctly mounted in the tool head) over the hub bore. Use a heavy hammer to drive against the end of the tool. Drive seal into bore until complete bottoming is assured. Remove Tool. Apply a thin layer of lubricant on the I.D. surface of the seal.



**NOTE:** Do not apply lubricant to the O.D. of the seal.

## STEP 4

With the wheel mounted on a dolly, carefully align the bore with the spindle. Gently push the wheel assembly onto the spindle



to the proper position. Fill the hub cavity with lubricant until it runs over the outer bearing cup. Coat the outer bearing with lubricant and place it on the spindle and into the bearing cup. **NOTE:** When using grease, pre-pack the outer bearing before placement into the hub.

**NOTE:** Support the hub with the lifting device until the outer bearing and wheel-end fastener have been installed to a hand tight condition to prevent cocking of the hub/seal.

## STEP 5

Assemble the inner nut and tighten it to 200 ft. lbs. Rotate the wheel several times then back off nut one full turn. Make final bearing adjustment according to TMC recommended bearing adjustment procedure. Install the appropriate axle fastener.



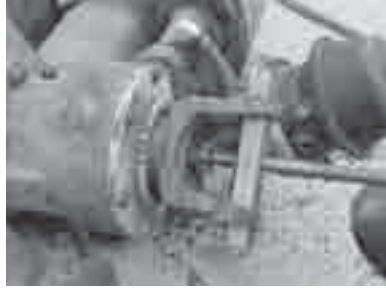
## STEP 6

Install hub cap with new gasket, and fill cavity with the desired lubricant to the proper level. On drive axles be sure the differential oil is high enough (manufacturer’s recommended level) to ensure oil flow through the tube to the wheels. It is recommended to jack one side up and then the other until flow starts. Make certain the breather plug is clear. Recheck steers and trailers to ensure proper fill levels.

# Unitized Pinion Seal Installation

## STEP 1

Remove yoke.



## STEP 2

Remove old seal and wear ring (if applicable).



## STEP 3

Remove all burrs and thoroughly clean cage bore.



**NOTE:** If installing the seal into a worn cage bore, apply a thin layer of No. 2 sealant to the OD of the seal before installation.

## STEP 4

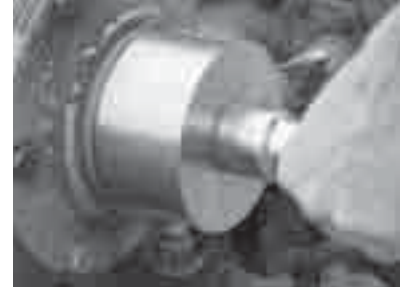
Align installation tool with the seal and spline as shown. Hand tighten bolt/nut.



## STEP 5

Tighten until the seal flange bottoms into the cage -or- installation tool bottoms into cage (non-flange seals).

Take care not to overtighten bolt/nut.



## STEP 6

Remove burrs and thoroughly clean yoke. Lube the seal ID. Install yoke as shown.



## STEP 7

Refer to axle manufacturer for yoke assembly torque requirements.



# Bearing Removal and Installation

## Removal



### STEP 1

Remove hub/wheel assembly from vehicle in accordance with recommended practices.

### STEP 2

Remove inboard and outboard bearing cones and set aside for inspection.

### STEP 3

Using a mild steel drift or cup driver, carefully drive out the bearing cups.

- **Caution should be used when driving bearing cups, as drifts and other tools can damage bearings.**
- **Drifts can damage hub bearing bores. Be careful not to score bores while removing cups, especially when using aluminum hubs.**

## Inspection



### STEP 1

Inspect the hub bearing bores and shoulders for damage. The bores should be smooth and free from scoring, burrs, indications of cup spinning, or other forms of damage. Remove any burrs or raised areas using emery cloth, a file, or other appropriate tool.

### STEP 2

Measure the bearing cup bore and compare to manufacturer specifications.



### STEP 3

Inspect bearing cups and cones for damage. Bearings should be free from chips, contamination, and signs of excessive wear or excessive heat. Refer to bearing damage analysis literature for identifying possible bearing issues.

### STEP 4

Inspect axle spindle bearing journals for any signs of damage or excessive wear. Remove any raised areas or burrs using emery cloth, a file, or other appropriate tool.

### STEP 5

Journals should be measured and compared with manufacturer specifications.

## Installation



### STEP 1

Thoroughly clean bearing cups and cones prior to installation.

- **Do not use compressed air to spin bearing rollers as injury may result if cage does not retain the rollers.**

### STEP 2

Lightly coat the outside of bearing cups with oil.

### STEP 3

Using a cup driver, carefully drive bearing cups into hub bearing bores. Be sure to drive cup firmly against cup shoulder in hub.

- **If a cup driver is not available, a mild steel drift can be used to install bearing cups.**
- **Caution should be used when driving bearing cups, as drifts and other tools can damage bearings.**
- **NEVER use a bearing cone to drive a bearing cup. This can damage the bearings and cause premature failure.**

### STEP 4

Use a feeler gauge to check for gaps between cup and shoulder.

### STEP 5

Inspect the bearing cups to ensure no damage occurred during installation.

### STEP 6

Lubricate bearing cones according to recommended practices and proceed with installation of wheel assembly.



# DataTrac® Pro Installation Instructions

## HOW IT WORKS

DataTrac® Pro is an advanced mileage counter that relies on Earth's gravity for counting wheel revolutions. The DataTrac® Pro unit monitors its orientation to Earth's gravitational pull and uses this reference to recognize and count revolutions.

## PROGRAMMING THE UNIT

### Distribution or End User with a Programmer

The unit is shipped from the factory with a Revs/Mile value of zero. Dashes (- - -) on the display indicate that the unit has **NOT** been programmed. It **MUST** be programmed before it is installed on a wheel end (The DataTrac® Pro distributor should have a programmer or can sell you a programmer). The programmer can set the DataTrac® PROs:

- 1) **The Revolutions/Mile (or per Km)** - Use Stemco's catalog to determine the Revolutions/Mile for each Tire Make/Model.
- 2) **Distance Unit of Measure** - Miles or Km (Life miles only or including Trip Miles)
- 3) **Mileage Preset** - Set the mileage to match the current mileage of the vehicle the unit will be mounted to.

When programming is complete, (as indicated on the programmer screen) immediately lift the DataTrac® PRO up and confirm the display shows the correct Tire Revolutions (shown as "REV###" on the screen). If not, repeat the programming.

The DataTrac® Pro can be programmed/reprogrammed as many times as desired until there is approximately 2 miles on the unit.

## INSTALLING THE UNIT

Install the DataTrac® PRO unit using the appropriate STEMCO bracket and hardware. The nut furnished with the unit is a locking nut and must **NOT** be torqued over 15-ft lbs.

## READING THE DISPLAY

The display will turn on when the vehicle is at rest. Numbers will automatically orient to read upright. This is also indicated by the icon display, e.g. mile, km, acre. The mileage reading is always in the same direction as the icon.

In order to conserve power the display turns off at any time a vibration is detected. This means that the display will be off while the vehicle is moving. As soon as all vibration or motion stops the display will reactivate in about 5 seconds.

## DISPLAY MODES

The DataTrac® Pro unit comes equipped with three display modes: **LIFE** and **TRIP** (if programmed), and **REV**. To toggle the display between LIFE, TRIP and REV Modes, use the palm of your hand to cover the round bubble on the face of the unit for at least 1 second, and then uncover it. If the unit is in bright sunlight, the bubble may have to be covered with your palm to block more light from reaching the sensor. **TRIP** mode is displayed with tenths resolution and is indicated by display of the **TRIP** icon (only if unit is programmed for **TRIP**).

To reset the **TRIP** display, toggle between **LIFE**, **TRIP** and **REV** Modes 5 times, quickly. Note that the unit cannot toggle faster than every 1.5 seconds. To view the revolutions of the unit simply repeat the process that is used to view trip and then a screen that shows (REV XXX) will show up. The XXX is the number of revolutions per KM or MILE that the unit is programmed for. On units without **TRIP** there are only two screens, all others have three screens (**LIFE**, **TRIP**, and **REV**). As with the **TRIP** mode the unit will return to the mileage after 10 seconds if left in the revolutions screen.

## CERTIFICATIONS

This unit complies with European EMI (CE) regulations as noted on front cover by the E11 marking.

## PRODUCT LIMITATIONS

It is important to note that this unit is designed to recognize vibrations and accelerations common to wheel rotation, therefore, it will not count accurately when held in a person's hand, which allows movement in any direction. Furthermore, this unit should not be used as a rotating shaft counter for machinery, unless the machine shaft rotates slower than 1250 RPM and has a slow acceleration profile similar to a wheel end. At all times the unit should rotate about an axis perpendicular to gravitational forces.

This unit contains a Lithium-Thionyl Chloride battery and should be disposed of according to local regulations. The battery contains less than 1 gram of lithium and is therefore classified as a non-hazardous product. Lithium-Thionyl Chloride batteries contain no poisonous materials and do not present environmental hazards when properly disposed of.







WARRANTY

## **STEMCO<sup>®</sup>** **Standard Components 1 YEAR WARRANTY**

STEMCO warrants to Buyer that all components sold will be free from defects in material and workmanship. This warranty is limited to components installed on vehicles licensed for on-highway use under normal use and service. This warranty extends for a period of one year from the date of manufacture.

The Buyer's exclusive remedy under this warranty shall be the repair or replacement of STEMCO components, but not the cost of removal or installation. STEMCO reserves the right to require that all warranty claim components are available and/or returned for review and evaluation. STEMCO shall not be liable for any claim, whether arising from breach of contract or warranty or claims of negligence or negligent manufacture, in excess of the purchase price. In no event shall STEMCO be liable for special, incidental, indirect, or consequential, or collateral, losses or damages of any kind.

This limited warranty is in lieu of all other warranties or conditions, expressed or implied, including any implied warranty of merchantability or fitness for particular purpose. This is the only warranty offered by STEMCO and no STEMCO employee or representative is authorized to extend additional warranty terms on behalf of STEMCO.

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### **3 YEAR WARRANTY** **PLATINUM** **PERFORMANCE SYSTEM™**

- TRAILER - Unlimited Mileage
- TRACTOR - Limited 250,000 Mile Warranty

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### **5 YEAR WARRANTY** **PLATINUM PLUS** **PERFORMANCE SYSTEM™**

- TRAILER - Unlimited Mileage
- TRACTOR - Limited 250,000 Mile Warranty Platinum Performance System™ PLUS

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### **500,000 MILE WARRANTY** **HUBODOMETER<sup>®</sup>** **GUARANTEED OVER-LIFE-OF-TIRE ACCURACY**

The STEMCO Hubodometer<sup>®</sup> is warranted for 500,000 miles when installed in accordance with its specifications.

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### **4 YEAR / 500,000 MILE WARRANTY**

## **DataTrac<sup>®</sup>**      **DataTrac<sup>®</sup>** **PRO**

DataTrac<sup>®</sup> is warranted for 4 years / 500,000 miles when installed in accordance with its specifications.

# STEMCO QUALITY PRODUCTS

**GRITGUARD®**



**Guardian®  
HP**



**Voyager®**



**Discover®**



**Endeavor®**



**PRO-TORQ®**



**SENTINEL®**



**HEAVY DUTY  
BEARINGS**



**DataTrac®  
PRO**



**HUBDOMETER®**



**Unitized Pinion Seals**



**PLATINUM  
PERFORMANCE SYSTEM**



**STEMCO  
CREWSON.  
AUTOMATIC BRAKE ADJUSTER**



**STEMCO  
DUROLINE.**



  
**STEMCO®**  
*A Higher Standard of Performance.™*  
an EnPro Industries company

STEMCO - USA  
P.O. Box 1989 · Longview, TX 75606-1989  
1-903-758-9981  
1-800-527-8492  
FAX: 1-800-874-4297

STEMCO - Canada  
5900 Ambler Drive, Units 4 & 5  
Mississauga, ON L4W 2N3  
905-208-9922 · 877-232-9111  
FAX: 877-244-4555

STEMCO - Australia  
Unit 6 CNR Rockwood & Muir Roads  
Yagoona NSW 2199  
011-61-2-9793-2598  
FAX: 011-61-2-9793-2544

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