

**STEMCO®**



# WHEEL END CATALOG



**STEMCO®**  
*A Higher Standard of Performance.™*

**Making the Roadways Safer®**

an EnPro Industries company

# WHEN IT COMES TO WHEEL ENDS, WE HAVE YOU COVERED

**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.

## *Selecting the right STEMCO seal for the right application.*

**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.

**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.

**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 40 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.

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



# WHEEL END PRODUCTS CATALOG

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**Making the Roadways Safer®**

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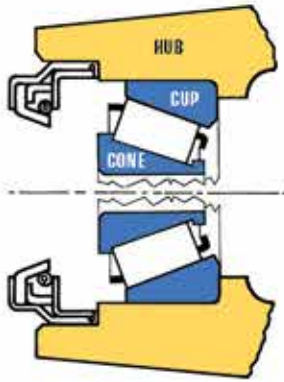
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# VMRS Codes

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
Misc. Components <i>(including Hub Cap Parts)</i>		None	<b>359-5900</b> Series
O-Rings		<b>18-003-015</b> (STMCO)	<b>355-5500</b> Series
Oil Seals <i>(Standard)</i>	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-, 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
Pro-Torq®	Drive Axle	<b>012-001-005</b>	<b>449-4900</b> Series
	Trailer, Tag or Pusher Axle	<b>012-002-005</b>	<b>447-4700</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

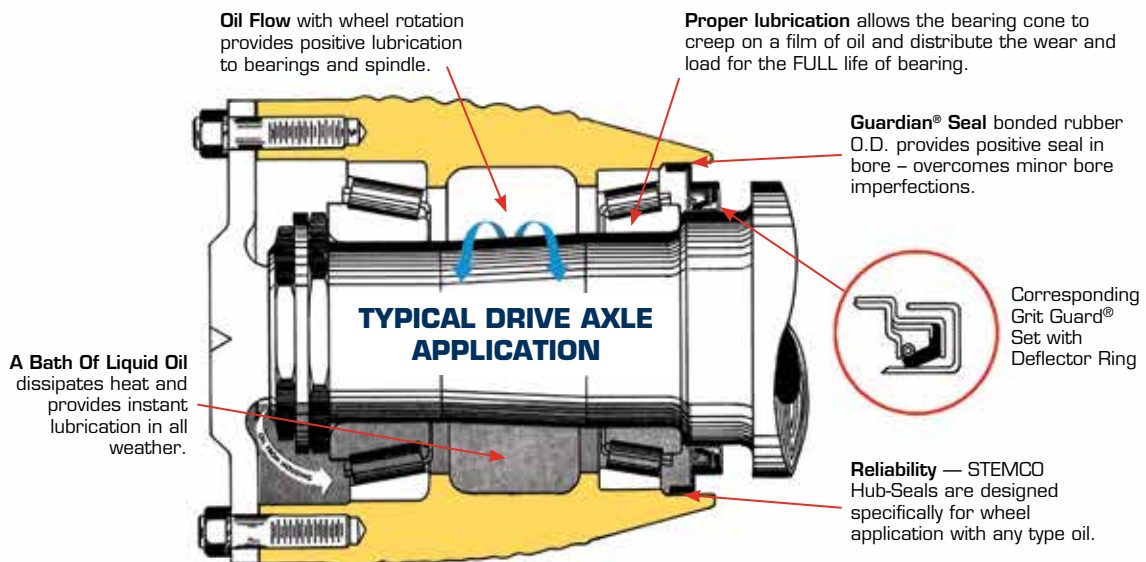
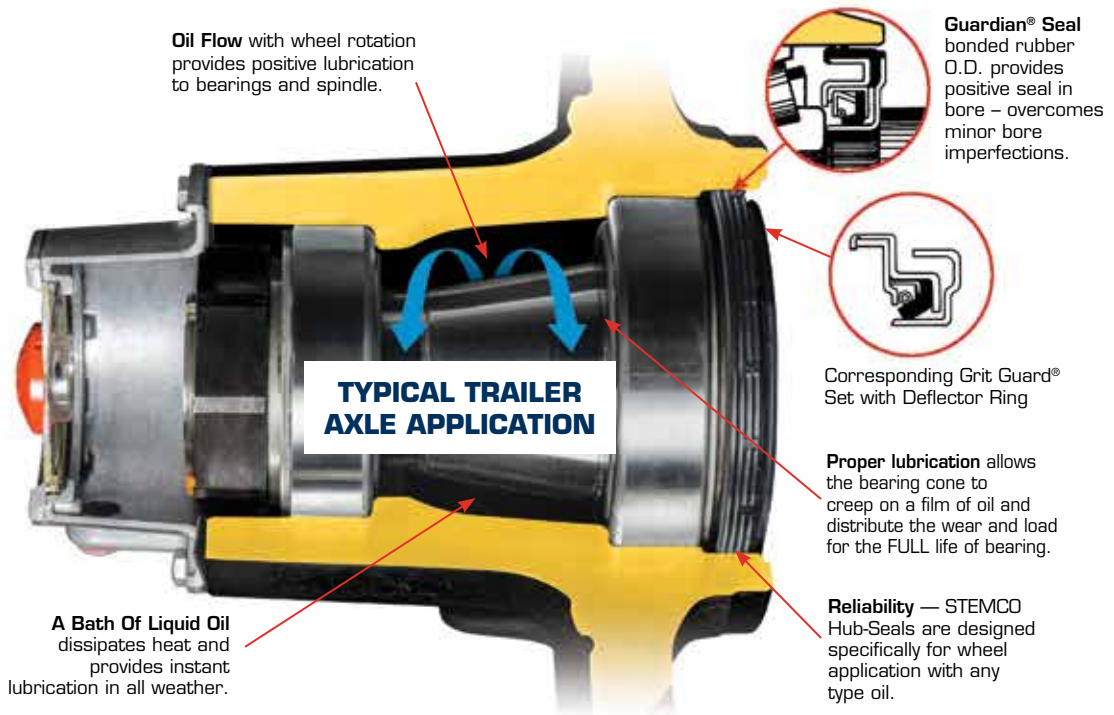
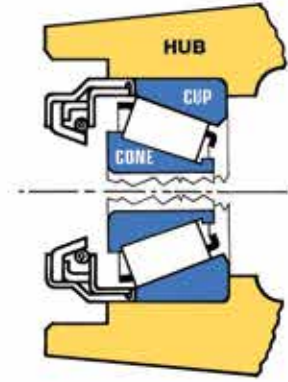
\* American Trucking Association/Vehicle Maintenance Reporting Standards

# 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.



# Application Chart

Application	Guardian® Guardian® HP	Grit Guard® Standard	Voyager®	Discover®
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
22,500# Trailer Axle, Meritor, Standard Forge, Dana, Eaton	307-0743	372-7097	373-0143	373-0243
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
12,000# Mack Front Axle	N/A	382-8039	383-0139 13	383-0239 14
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 392-9130	393-0104 393-0104	393-0204 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 9	392-9131	393-0173	393-0273

- Discontinued Part
- 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.
- Use 551 Series Tool Heads with new Universal Tool Handle 551-0001. The Hub Tool Installs the Standard Seal, Voyager® and Discover® Seals.

- Use with 5.687" Bore Only.
- Use with 5.500" Bore Only.
- Does not fit Mack Applications.
- Fits Mack Application Only.
- Use with Wabco ABS.

# Application Chart

GG/Standard Components Seal/Ring	Inner Bearing	Universal Axle Tool Heads <sup>9</sup>	Universal Hub Tool Heads <sup>9</sup>	Bearing Guide
2109/1507	663	555-5100	551-5313	570-0023
2023/1503	HM518445	555-5023	551-5401	570-0025
2110/1504	HM218248	555-5039	551-5412	570-0026
2118/1510	665A	555-5069	551-5339 <sup>20</sup>	570-0024
2086/1013	6386 or 6389, 6379	555-5060 or 555-5014	551-5420 <sup>19</sup>	570-0020 <sup>21</sup>
2028/1028	756A	555-5067	551-5385	N/A
2034/1034	HM212047	555-5066	551-5387	570-0019
2036/1036	39581	555-5062	551-5346	570-0017
	HM212044	555-5061	551-5346	570-0018
	HM212049, -X, X1	555-5098	551-5346	570-0020
	HM212047	555-5066	551-5346	570-0019
2039/1038	641 or HM212049	NONE REQ'D	551-5413 <sup>10</sup>	570-0020
2181/1093	641 or HM212049 H715345	555-5060	551-5419	570-0020
		555-5070	551-5419 <sup>15</sup>	570-0021
2199/1093	641	555-5060	551-5344	570-0020
2199/1093	H715345	555-5070	551-5344	570-0021
2133/1036 45284	39581	555-5062	551-5353	570-0017
	555-5064	551-5353	N/A	
2137/1037	6461A	555-5007	551-5327	570-0022
2164/1008	JM207049	555-5088	551-5423	570-0036
	JM205149	555-5089	551-5423 <sup>18</sup>	570-0033
N/A	JF7049A	555-5297	N/A	N/A
2216/1034	HM212047	555-5066	551-5403	570-0019
N/A	JM205149	N/A	551-5417	570-0033
N/A	33212	N/A	551-5418	570-0031
2129/1511	580 or 582	555-5072	551-5415 <sup>11</sup>	570-0023
2213/1515	663 or HM516449, -C HM516449A	555-5072	551-5414 <sup>12</sup>	570-0023
2213/1519		555-5073	551-5414 <sup>12</sup>	570-0023
2102/1501	47685 or 47686 47678 or 5760	555-5031	551-5416 <sup>16</sup>	570-0023
		555-5074	551-5416 <sup>16</sup>	570-0022
---	47686	555-5031	551-5424	570-0023
2061/1066	6580 or 6559	555-5023 or 555-5072	551-5421 <sup>17</sup>	570-0025 or 570-0023
2057/1062	33287	555-5011	551-5353	N/A
2097/1516	687 or 780	555-5004	551-5400	570-0032
2104/1018	495AX	555-5074	551-5383	N/A
	33287	555-5011	551-5383	N/A
2115/1530	598A	555-5071	551-5356	570-0027
	594A	555-5076	551-5356	570-0028
2117/1509	580, 582 or 663A	555-5072	551-5325	N/A
2113/1517	594 or 594A	555-5076	551-5412	570-0028
2115/1107	594A	555-5076	551-5356	570-0028
2131/1508	598	555-5071	551-5363	570-0027
2114/1508	595	555-5072	551-5412	570-0023
	598	555-5071	551-5412	570-0027
2162/1502	683XA or 683	555-5076	551-5333	570-0028
	681A	555-5071	551-5333	570-0027
2106/1525	594 or 594A	555-5076	551-5320	570-0028
	598 or 598A	555-5071	551-5320	570-0027

<sup>9</sup> HP Design  
<sup>10</sup> Use 551-5395 for 320-2039 seal.  
<sup>11</sup> Use 551-5393 for 320-2129 seal.  
<sup>12</sup> Use 551-5364 for 320-2213 seal.  
<sup>13</sup> 383-8139 includes 310-1132.

<sup>14</sup> 383-8239 includes 310-1132.  
<sup>15</sup> Use 551-5349 for 320-2181 seal.  
<sup>16</sup> Use 551-5318 for 320-2102 seal.  
<sup>17</sup> Use 551-5356 for 320-2061 seal.  
<sup>18</sup> Use 551-5366 for 320-2164 seal.

<sup>19</sup> Use 551-5311 for 320-2086 seal.  
<sup>20</sup> Use 551-5321 for 320-2118 seal.  
<sup>21</sup> Does not fit 6379.

# Internal Hub Seal Cross Reference

Guardian® / Guardian®HP Seal No.	Inner Bearing Cone	Universal Tool Head	Standard/ Grit Guard® Set	Voyager® Discover®
<b>307-0713</b>	663	555-5100	372-7098	373-0113 373-0213
<b>307-0723</b>	HM518445	555-5023	372-7099	373-0123 373-0223
<b>307-0743</b>	HM218248	555-5039	372-7097	373-0143 373-0243
<b>307-0744</b>	665A	555-5069	372-7095	373-0144
<b>308-0836</b>	39581	555-5062	382-8036	383-0136 383-0236
	HM212044, 557A	555-5061		
	HM212049, -X	555-5098		
	HM212047	555-5066		
<b>308-0853</b>	641	555-5060	382-8053	383-0153
	HM212049	555-5070		
<b>308-0855</b>	641	555-5060	N/A	N/A
<b>308-0856</b>	H715345	555-5070	382-8056	383-0156
<b>308-0863</b>	39581	555-5062	382-8063	N/A
	45284	555-5064		
<b>308-0864</b>	6461A	555-5007	382-8064	383-0164 383-0264
<b>308-0866</b>	JM207049	555-5088	382-8066	383-0166
	JM205149	555-5089		
<b>308-0870</b>	JF7049A	555-5297	N/A	N/A
<b>309-0903</b>	580	555-5072	392-9094	393-0103 393-0203
	582			
<b>309-0904</b>	663	555-5072	392-9112	393-0104 393-0204
	HM516449,-C			

Guardian® / Guardian®HP Seal No.	Inner Bearing Cone	Universal Tool Head	Standard/ Grit Guard® Set	Voyager® Discover®
<b>309-0912</b>	47685 47686	555-5031	392-9099	393-0112 393-0212
	47678 5760	555-5074		
<b>309-0915</b>	47685 47686	555-5031	392-9099	N/A
<b>309-0935</b>	33281 Thru 61	555-5002	392-9035	N/A
	33287 62 Up	555-5011		
<b>309-0948</b>	687 780	555-5004	392-9089	393-0148
	495AX	555-5074	392-9057	N/A
33287	555-5011			
<b>309-0960</b>	594A	555-5076	392-9132	N/A
	598A	555-5071		
<b>309-0961</b>	580 582 663A	555-5072	392-9095	N/A
	594 594A			
<b>309-0964</b>	594 594A	555-5076	392-9088	N/A
	595			
<b>309-0965</b>	598	555-5072	392-9096	N/A
	598	555-5071		
<b>309-0970</b>	683XA 683	555-5076	392-9087	N/A
	681A			
<b>309-0973</b>	594 594A	555-5076	392-9131	393-0173 393-0273
	598			
	598A			

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
327-2701	317-1743	<b>307-0743</b>
327-2702	317-1702	<b>308-0836</b>
327-2703	317-1703	<b>309-0973</b>
327-2704	317-1704	<b>307-0713</b>
327-2705	317-1705	<b>307-0723</b>
327-2706	317-1729	<b>309-0903</b>
327-2707	317-1707	<b>309-0912</b>
327-2708	317-1708	<b>308-0853</b>
327-2709	317-1709	<b>307-0744</b>
327-2710	317-1710	<b>308-0855</b>
	317-1706	<b>308-0856</b>
327-2711	317-1711	<b>308-0864</b>
327-2712	317-1712	<b>309-0964</b>

Oil Seal	Deflector Ring	Guardian® / Guardian® HP Seal
327-2713	317-1713	<b>309-0965</b>
327-2715	317-1756	<b>309-0915</b>
327-2716	317-1761	<b>309-0970</b>
327-2717	317-1761	<b>309-0960</b>
327-2718	317-1720	<b>309-0904</b>
327-2719	317-1719	<b>309-0961</b>
327-2721	317-1721	<b>308-0863</b>
327-2724	317-1724	<b>309-0957</b>
327-2727	317-1726	<b>308-0866</b>
327-2728	317-1728	<b>309-0935</b>
327-2741	317-1790	<b>309-0948</b>
327-2757	317-1724	<b>308-0870</b>

Guardian® HP

327- Series Oil Seals and 317- Series Deflector Rings are component parts for the Guardian® Hub Seal. These parts are not sold separately.



# Axle Ring to Hub Seal Set Cross Reference

Oil Seal	Axle Ring	Hub-Seal Set
310-1007	320-2096	392-9007
310-1008	320-2018	372-7046
310-1008	320-2105	382-8044
310-1008	320-2164	382-8066
310-1009	320-2181	382-8052
310-1012	320-2012	392-9012
310-1013	320-2086	382-8001
310-1013	320-2109	None
310-1017	320-2017	382-8017
310-1018	320-2029	372-7018
310-1018	320-2029	392-7018
310-1018	320-2104	392-9057
310-1022	320-2023	372-7022
310-1023	320-2023	None
310-1023	320-2173	372-7024
310-1026	320-2131	None
310-1028	320-2166	382-8069
310-1028	320-2028	382-8028
310-1028	320-2041	382-8045
310-1028	320-2009	None
310-1032	320-2032	382-8032
310-1034	320-2034	382-8034
310-1034	320-2216	382-8071
310-1036	320-2032	372-7009
310-1036	320-2046	372-7006
310-1036	320-2031	None
310-1036	320-2036	382-8036
310-1036	320-2119	382-8027
310-1036	320-2133	382-8063
310-1037	320-2118	None
310-1037	320-2137	382-8064
310-1038	320-2039	382-8039
310-1041	320-2023	382-8060
310-1043	320-2041	372-7015
310-1048	320-2110	None
310-1050	320-2022	382-8010
310-1051	320-2031	382-8011
310-1051	320-2125	382-8062
310-1052	320-2050	382-8009
310-1053	320-2109	392-9032
310-1057	320-2109	372-7003
310-1061	320-2056	382-8005

Oil Seal	Axle Ring	Hub-Seal Set
310-1062	320-2057	392-9035
310-1063	320-2057	392-9036
310-1064	320-2136	372-7049
310-1064	320-2072	392-9038
310-1066	320-2061	392-9034
310-1079	320-2009	392-9081
310-1088	320-2213	None
310-1089	320-2099	392-9053
310-1093	320-2199	382-8056
310-1093	320-2181	382-8053
310-1093	320-2058	392-9033
310-1093	320-2113	None
310-1095	320-2001	392-9001
310-1103	320-2001	392-9062
310-1104	320-2077	392-9063
310-1107	320-2119	392-9066
310-1111	320-2106	None
310-1111	320-2115	None
310-1111	320-2162	None
310-1117		See 392-9045 Remarks
310-1123		See 392-9034 Remarks
310-1130	320-2023	372-7062
310-1233	320-2233	392-9111
315-1501	320-2102	392-9099
315-1502	320-2162	392-9087
315-1503	320-2023	372-7099
315-1503	320-2173	372-7091
315-1504	320-2110	372-7097
315-1506	320-2111	372-7096
315-1507	320-2109	372-7098
315-1508	320-2114	392-9096
315-1508	320-2131	392-9092
315-1509	320-2117	392-9095
315-1510	320-2118	372-7095
315-1511	320-2129	392-9094
315-1515	320-2213	392-9112
315-1516	320-2097	392-9089
315-1517	320-2113	392-9088
315-1519	320-2213	392-9130
315-1525	320-2106	392-9131
315-1530	320-2115	392-9132

Discontinued

Deflector Ring	Guardian®/ Guardian®HP Seal
317-1710	308-0855
317-1743	307-0743
317-1702	308-0836
317-1703	309-0973
317-1704	307-0713
317-1705	309-0904
317-1705	307-0723
317-1706	308-0856
317-1706	309-0903

Deflector Ring	Guardian®/ Guardian®HP Seal
317-1707	309-0912
317-1708	308-0853
317-1709	307-0744
317-1710	308-0855
317-1711	308-0864
317-1712	309-0964
317-1713	309-0965
317-1719	309-0961
317-1721	308-0863

Deflector Ring	Guardian®/ Guardian®HP Seal
317-1724	309-0957
317-1726	308-0866
317-1728	309-0935
317-1756	309-0915
317-1761	309-0970
317-1761	309-0960
317-1790	309-0948
317-1724	308-0870

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

Quick Reference

# 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	N/A	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	555-5023	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	555-5011	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.					
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	

- Discontinued
- 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.

# 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
320-2086	310-1013	382-8001 ☒	6386 or 6389 6379	555-5060 555-5014	551-5311	
320-2091 ☒	SEE COMMENTS W/392-9045 SET	392-9045	33287	555-5011	551-5312	
			33281	555-5002		
			495AX	555-5074		
			47686	555-5031		
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	
320-2102	315-1501	392-9099	47685 or 47686	555-5031	551-5318	Grit Guard® I
			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	580 575	555-5072 555-5074	551-5313 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® I
320-2114	315-1508	392-9096	595	555-5072	551-5412	Grit Guard® I
			598	555-5071	551-5412	
320-2115	310-1113 ☒	392-9020 ☒	665	555-5068	551-5356	I
	310-1107	392-9066	592A/594A	555-5076	551-5356	Van Hool Bus Appl I
	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	I
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®
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	
			H715345	555-5070	551-5349	
320-2199	310-1093	382-8056 ☒	H715345	555-5070	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		
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

Quick Reference

# 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.

# STEMCO Quality Bearing Reference Guide

## HEAVY DUTY TAPERED ROLLER BEARINGS

STEMCO PART NO.	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

STEMCO PART NO.	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

STEMCO PART NO.	COMPONENTS
ASET047-011	KHM212047 / KHM212011
ASET049-011	KHM212049 / KHM212011
ASET248-210	KHM218248 / KHM218210
ASET445-410	KHM518445 / KHM518410
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/CLUTCH RELEASE/TAPERED BEARING SETS

STEMCO PART NO.	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, CLUTCH RELEASE AND TAPERED BEARING SETS

STEMCO PART NO.	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

STEMCO PART NO.	INDUSTRY STANDARD PART NO.
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

# 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		392-9063	
493/495AX	3920/ 3984		392-9018	
493/495AX	33287/ 33462	309-0957	392-9057	
493/495AX	39520/ 39590	309-0957	392-9057	
552A/559	552/526		392-9045	
553X/557A	3720/3782	308-0836	382-8011	383-0136 383-0236
563/567	522/528		372-7006	
572/575	572/575		392-9032	
572/580	563/567	309-0903	392-9094*	393-0103 393-0203
572/580	42620/ 42687	309-0961	392-9032	
572/582	563/567	309-0903	392-9095*	
572/582	42620/ 42687	309-0961	392-9094*	393-0103 393-0203
592A/593	65320/ 65390		372-7022 372-7062	
592A/594	572/580	309-0964	392-9088*	
592A/594	572/580	309-0973	392-9131	393-0173 393-0273
592A/594A	572/580	309-0960 309-0964	392-9132* 392-9088*	
592A/594A	572/580	309-0973	392-9131	393-0173 393-0273
592A/594A	572/582	309-0960	392-9132*	
592A/595	572/580	309-0965	392-9096	
592A/598	572/575	309-0965	392-9096*	
592A/598	572/575	309-0973	392-9131	393-0173 393-0273
592A/598A	653/665	309-0965	392-9092*	
592A/598	752/758	309-0965	392-9092*	
592A/598	HM617010/ HM617049	309-0965	392-9092*	
592A/598A	572/580	309-0960	392-9132	
592A/598A	572/580	309-0973	392-9131	393-0173 393-0273
592A/598A	572/582	309-0960	392-9132*	
592A/598	HM617010/ HM617049	309-0960	392-9081 392-9132	
593X/594	593X/594		392-9111	
632/641	3920/3979	308-0853	382-8053	383-0153 N/A
632/641	28622/ 28682	308-0856	382-8056	383-0156 N/A
633/641	65320/ 65385		382-8039	383-8139
652/663	572/575	309-0904	392-9112*	393-0104 393-0204
			392-9007	

Inner Cup & Cone	Outer Cup & Cone	Guardian®/ Guardian® HP Seal No.	Grit Guard®/ Standard Set	Voyager® Discover®
653/663	553X560	307-0713	372-7098*	373-0113 373-0213
653/663	HM212011/ HM212049	307-0713	372-7098*	373-0113 373-0213
			372-7003	
653/663A	42620/ 42687	309-0961	392-9095*	
653/665A	HM212011/ HM212049	307-0744	372-7095*	
672/681A	572/575	309-0970	392-9087*	
672/683	572/580	309-0970	392-9087*	
672/683XA	572/580	309-0970	392-9087*	
672/687	772/780	309-0948	392-9089*	393-0148 N/A
672/687	52618/ 52400	309-0948	392-9089*	393-0148 N/A
742/749	632/643		372-7091* 372-7024	
742/749S	632/643		372-7091* 372-7024	
742/749A	653/663		392-9033	
752/756A	HM212011/ HM212046		382-8028 382-8045	
752/756A	HM212011/ HM212047		382-8028 382-8045	
752/758	663/665		392-9001	
752/759	742/740		372-7015	
752/760	742/749		392-9001	
752/760	742/749		392-9062	
772/780	772/776	309-0948	392-9089*	393-0148 N/A
772/780	854/864	309-0948	392-9089*	393-0148 N/A
772/780	52618/ 52400	309-0948	392-9089*	393-0148 N/A
772/780	77675/ 77375	309-0948	392-9089*	393-0148 N/A
772/782	742/749		392-9053	
832/843	632/636		382-8008	
3720/3778	25820/ 25877		382-8005	
3720/3778	2720/2790		382-8005	
3920/3982	3820/3877		382-8011	
3920/3984	453X/462		392-9038	
4536/4595	414A/418		382-8010	
5735/5760	572/575	309-0912	392-9012	393-0112 393-0212
5735/5760	39520/ 39590		382-8052	
5735/5760	45220/ 45287		382-8060	
6320/6379	552A/557S		382-8001	383-0101
6320/6386	552A/557S		382-8001	383-0101
6320/6386A	532A/537		382-8052	
6320/6389	552A/557S		382-8001	383-0101
6420/6461	612/621		382-8060	

# Bearings to Hub Seal Set Cross Reference

Inner Cup & Cone	Outer Cup & Cone	Guardian®/ Guardian® HP Seal No.	Grit Guard®/ Standard Set	Voyager® Discover®
6420/6461A	552A/555S	308-0864	382-8064	383-0164 383-0264
6420/6461A	3920/3979	308-0864	382-8064	383-0164 383-0264
6535/6559	653/663		392-9033	393-0134
			392-9034	✘
6535/6580	653/663		392-9034	✘ 393-0134
28920/28995	25523/ 25580		372-7046	
33462/33281	3920/3982	309-0935	392-9035	
33462/33281	39520/ 39585		392-9036	
33462/33287	3920/3982	309-0935	392-9035	
33472/33281	3925/3984		392-9045	
33472/33287	3925/3982		392-9045	
33821/33895	3120/3196		382-8016	
39520/39578	25520/ 25572		382-8010	
39520/39581	3525/3585	308-0836	382-8036	383-0136 383-0236
		308-0863	382-8063 382-8027	
39520/39581	26820/ 26878		382-8017	
39520/39585	25520/ 25572		382-8062	
45220/45284	2720/2780		382-8044	
45220/45284	2720/2786		382-8009	
45220/45284	2720/2793		382-8009	
45220/45284	2720/2796		382-8009	
45220/45284	25820/ 25880	308-0863	382-8044 382-8063	
45220/45285	2720/2786		382-8009	
45220/45285	2720/2793		382-8009	
45220/45285	2720/2796		382-8009	
47620/47678	39520/39585	309-0912	392-9012 ✘ 392-9099*	393-0112 393-0212
47620/47685	39520/39590	309-0912	392-9099*	393-0112 393-0212
47620/47686	39520/39590	309-0912	392-9099*	393-0112 393-0212
		309-0915	392-9012 ✘ 392-9045	393-0112
127627/ 1889311	49521/188933		392-9063	
7451691/ 7451929	7451813/ 7451814		392-9063	
H715311/ H715345	552A/555S	308-0856	382-8056 ✘	383-0156 N/A
H715311/ H715345	3920/3979	308-0853	382-8053 ✘	383-0153 N/A
HM212010/ HM212049	28622/28682	308-0853	382-8053 ✘	383-0153 N/A
HM212011/ HM212044	3720/3782	308-0836	382-8036	383-0136 383-0236
HM212011/ HM212047	3720/3779		382-8034	

Inner Cup & Cone	Outer Cup & Cone	Guardian®/ Guardian® HP Seal No.	Grit Guard®/ Standard Set	Voyager® Discover®
HM212011/ HM212047	3720/3782	308-0836	382-8036	383-0136 383-0236
HM212011/ HM212047	45220/ 45282		382-8034 382-8071 ✘	383-0171
HM212011/ HM212049	3720/3782	308-0836	382-8036	383-0136 383-0236
			382-8032	
HM212011/ HM212049	45220/ 45280		382-8039 ✘	383-0139 383-0239
HM212011/ HM212049X	3720/3782	308-0836	382-8036	383-0136 383-0236
HM218210/ HM218248	HM212011/ HM212049	307-0743	372-7097	373-0143 373-0243
JM205110/ JM205149	25820/ 25877	308-0866	382-8066	383-0166
				383-0175
JM207010/ JM207049	25820/ 25877	308-0866	382-8066	383-0166
HM516410/ HM516449	572/575		392-9007	
HM516410/ HM516449	47620/ 47679	309-0904	392-9112	393-0104 393-0204
			392-9007	
HM516410/ HM516449A	47620/ 47679	309-0904	392-9130	*393-0104 393-0204
HM518410/ HM518445	HM518410/ HM518445	307-0723	372-7099	373-0123 373-0223
JM205149	32207			383-0175
JM205110/ JM204149A	25820/ 25877		382-8066	383-0166
JM511910/ JM510946	JM205110/ JM205149		372-7049	
JF7049A		308-0870		
33212	33208			383-0176

✘ Discontinued

Quick Reference

## Guardian® &amp; Guardian® HP Hub-Seals

## GUARDIAN HP - TRAILER AXLE

## 307-0713

<b>Bore Diameter</b>	5.700
<b>Inner Bearing Cup/Cone</b>	653/663
<b>Outer Bearing Cup/Cone</b>	553X/560, HM212011/ HM212049
<b>Spindle Shoulder O.D.</b>	4.000
<b>Width</b>	0.604
<b>Univ. Axle Tool Head</b>	555-5100
<b>Install Handle/Body</b>	555-0001
<b>Grit Guard® Equiv.</b>	372-7098
<b>Voyager® Equiv.</b>	373-0113
<b>Discover® Equiv.</b>	373-0213

**Remarks:** Do not use on early hubs and wheels that have seal bore diameter greater than 5.758".

▼ Related Parts ▼

Hub Cap w/ Gasket**	Gasket Number**
340-4009	330-3009
340-4013	330-3013

## GUARDIAN HP - TRAILER AXLE

## 307-0723

<b>Bore Diameter</b>	6.008
<b>Inner Bearing Cup/Cone</b>	HM518410/ HM518445
<b>Outer Bearing Cup/Cone</b>	HM518410/ HM518445
<b>Width</b>	0.5629
<b>Univ. Axle Tool Head</b>	555-5023
<b>Install Handle/Body</b>	555-0001
<b>Grit Guard® Equiv.</b>	372-7099
<b>Voyager® Equiv.</b>	373-0123
<b>Discover® Equiv.</b>	373-0223

**Remarks:** Guardian® set for Pro-Par axle; Also Eaton P-22 and Meritor TP Hub Cap tool #570-7008.

▼ Related Parts ▼

Hub Cap w/ Gasket**	Gasket Number**
340-4075	330-3077
340-4195	330-3118

## GUARDIAN HP - TRAILER AXLE

## 307-0743

<b>Bore Diameter</b>	6.000
<b>Inner Bearing Cup/Cone</b>	HM218210/ HM218248
<b>Outer Bearing Cup/Cone</b>	HM212011/ HM212049
<b>Spindle Shoulder O.D.</b>	4.625
<b>Width</b>	0.584
<b>Univ. Axle Tool Head</b>	555-5039
<b>Install Handle/Body</b>	555-0001
<b>Grit Guard® Equiv.</b>	372-7097
<b>Voyager® Equiv.</b>	373-0143
<b>Discover® Equiv.</b>	373-0243

**Remarks:** 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.

▼ Related Parts ▼

Hub Cap w/ Gasket**	Gasket Number**
340-4009	330-3009
340-4013	330-3013

## GUARDIAN - TRAILER AXLE

## 307-0744

<b>Bore Diameter</b>	5.753
<b>Inner Bearing Cup/Cone</b>	653/665A
<b>Outer Bearing Cup/Cone</b>	HM212011/ HM212049
<b>Spindle Shoulder O.D.</b>	4.625
<b>Width</b>	0.584
<b>Univ. Axle Tool Head</b>	555-5069
<b>Install Handle/Body</b>	555-0001
<b>Grit Guard® Equiv.</b>	372-7095
<b>Voyager® Equiv.</b>	373-0144

**Remarks:** Do not use with Budd hubs having seal bore diameter greater than 5.758. When used with Eaton inboard skid control, use 320-2118 & 310-1037.

▼ Related Parts ▼

Hub Cap w/ Gasket**	Gasket Number**
340-4009	330-3009
340-4013	330-3013

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

**Hub caps sold separately.**

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

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



# Voyager® & Discover® Hub Seals

Seal Sets  
Trailer Axles

Component  
Specs

Installation  
Tools

Axle  
Fasteners

Long-Life  
Systems

Cross  
Reference

Installation  
Instructions

## VOYAGER & DISCOVER - FRONT AXLE

**373-0113**  
**373-0213**

<b>Bore Diameter</b>	5.750
<b>Inner Bearing Cup / Cone</b>	653/663
<b>Outer Bearing Cup / Cone</b>	553X/560, HM212011/ HM212049
<b>Bearing Guide</b>	570-0023
<b>Spindle Shoulder O.D.</b>	4.000
<b>Width</b>	0.9399
<b>Fleet Hub Tool</b>	551-5313
<b>Install Handle/Body</b>	551-0001
<b>Guardian® Equiv.</b>	307-0713
<b>Grit Guard® Equiv.</b>	372-7098

**Remarks:** Do not use on early hubs and wheels that have seal bore diameter greater than 5.758".

### Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4009	330-3009
340-4013	330-3013

## VOYAGER & DISCOVER - FRONT AXLE

**373-0123**  
**373-0223**

<b>Bore Diameter</b>	6.008
<b>Inner Bearing Cup / Cone</b>	HM518410/ HM518445
<b>Outer Bearing Cup / Cone</b>	HM518410/ HM518445
<b>Bearing Guide</b>	570-0025
<b>Spindle Shoulder O.D.</b>	4.250
<b>Width</b>	0.995
<b>Fleet Hub Tool</b>	551-5401
<b>Install Handle/Body</b>	551-0001
<b>Guardian® Equiv.</b>	307-0723
<b>Grit Guard® Equiv.</b>	372-7099

**Remarks:** Fits Pro-Par axle; also Eaton P-22 and Meritor TP. Hub cap tool #570-7008.

### Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4075	330-3077
340-4195	330-3118

## VOYAGER & DISCOVER - FRONT AXLE

**373-0143**  
**373-0243**

<b>Bore Diameter</b>	6.000
<b>Inner Bearing Cup / Cone</b>	HM218210/ HM218248
<b>Outer Bearing Cup / Cone</b>	HM212011/ HM212049
<b>Bearing Guide</b>	570-0026
<b>Spindle Shoulder O.D.</b>	4.625
<b>Width</b>	0.981
<b>Fleet Hub Tool</b>	551-5412
<b>Install Handle/Body</b>	551-0001
<b>Guardian® Equiv.</b>	307-0743
<b>Grit Guard® Equiv.</b>	372-7097

**Remarks:** 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.

### Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4009	330-3009
340-4013	330-3013

## VOYAGER - FRONT AXLE

**373-0144**

<b>Bore Diameter</b>	5.753
<b>Inner Bearing Cup / Cone</b>	653/665A
<b>Outer Bearing Cup / Cone</b>	HM212011/ HM212049
<b>Bearing Guide</b>	570-0024
<b>Spindle Shoulder O.D.</b>	4.375
<b>Width</b>	0.993
<b>Fleet Hub Tool</b>	551-5339
<b>Install Handle/Body</b>	551-0001
<b>Guardian® Equiv.</b>	307-0744
<b>Grit Guard® Equiv.</b>	372-7095

**Remarks:** Do not use with Budd hubs having seal bore diameter greater than 5.758. When used with Eaton inboard skid control, use **320-2118** & **310-1037**.

Use Hub tool **551-5321** with **372-7095**

### Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4009	330-3009
340-4013	330-3013

## VOYAGER - FRONT AXLE

**373-0191**

<b>Bore Diameter</b>	6.032
<b>Inner Bearing Cup / Cone</b>	742/749 or 749S
<b>Outer Bearing Cup / Cone</b>	632/643
<b>Bearing Guide</b>	570-0003
<b>Spindle Shoulder O.D.</b>	4.625
<b>Width</b>	0.981
<b>Fleet Hub Tool</b>	551-5401
<b>Install Handle/Body</b>	551-0001
<b>Grit Guard® Equiv.</b>	372-7091

**Remarks:** Will not fit S/F A-21-T prior to 6/71. Will not fit Gunitex Wheels R-20-319 or T22-319.

### Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4011	330-3011
340-4163	330-3104
340-4059	330-3056

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

Hub caps sold separately.

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

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

# Standard Hub-Seal Sets

## STANDARD - TRAILER AXLE

## 372-7003

<b>Bore Diameter</b>	5.750
<b>Axle Ring</b>	310-1057
<b>Oil Seal</b>	320-2109
<i>Bore Diameter</i>	5.750
<b>Inner Bearing Cup/Cone</b>	653/663
<b>Outer Bearing Cup/Cone</b>	HM212011/ HM212049, 553X/560
<b>Universal Axle Tool Head</b>	555-5031
<b>Universal Hub Tool Head</b>	551-5313
<b>Installation Handle/Body</b>	555-0001 & 551-0001
<b>Bearing Guide</b>	570-0023
<b>Remarks</b>	N/A

### Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4015*	330-3015

## STANDARD - TRAILER AXLE

## 372-7006

<b>Bore Diameter</b>	5.003
<b>Axle Ring</b>	310-1036
<b>Oil Seal</b>	320-2046
<i>Bore Diameter</i>	5.003
<b>Inner Bearing Cup/Cone</b>	563/567
<b>Outer Bearing Cup/Cone</b>	522/528
<b>Universal Axle Tool Head</b>	555-5011
<b>Universal Hub Tool Head</b>	551-5388
<b>Installation Handle/Body</b>	555-0001 & 551-0001
<b>Remarks</b>	N/A

### Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4002	330-3002
340-4009	330-3009
340-4011	330-3011
340-4014	330-3014
340-4024	330-3024

Discontinued

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

Hub caps sold separately. \* Not available with pipe plug. \*\* For hub cap with pipe plug use 343-prefix.

## STANDARD - TRAILER AXLE

## 372-7015

<b>Bore Diameter</b>	6.437
<b>Axle Ring</b>	310-1043
<b>Oil Seal</b>	320-2041
<i>Bore Diameter</i>	6.437
<b>Inner Bearing Cup/Cone</b>	752/759
<b>Outer Bearing Cup/Cone</b>	742/740
<b>Universal Axle Tool Head</b>	555-5023
<b>Universal Hub Tool Head</b>	551-5398
<b>Installation Handle/Body</b>	555-0001 & 551-0001
<b>Bearing Guide</b>	570-0025
<b>Remarks</b>	N/A

### Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4054*	330-3017
340-4082	330-3062
340-4064	330-3079

\*Not available with pipe plug.

## STANDARD - TRAILER AXLE

## 372-7022

<b>Bore Diameter</b>	6.008
<b>Axle Ring</b>	310-1022
<b>Oil Seal</b>	320-2023
<i>Bore Diameter</i>	6.008
<b>Inner Bearing Cup/Cone</b>	592A/593
<b>Outer Bearing Cup/Cone</b>	65320/65390
<b>Universal Axle Tool Head</b>	None
<b>Universal Hub Tool Head</b>	551-5401
<b>Installation Handle/Body</b>	555-0001 & 551-0001
<b>Bearing Guide</b>	570-0025
<b>Remarks:</b>	Fruehauf No. 5 (Prior to Feb. 1960) includes O-ring 355-5502

### Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4019	330-3019

## STANDARD - TRAILER AXLE

## 372-7046

<b>Bore Diameter</b>	4.125
<b>Axle Ring</b>	310-1008
<b>Oil Seal</b>	320-2018
<i>Bore Diameter</i>	4.125
<b>Inner Bearing Cup/Cone</b>	28920/28995
<b>Outer Bearing Cup/Cone</b>	25523/25580
<b>Univ. Axle Tool Head</b>	555-5052
<b>Univ. Hub Tool Head</b>	551-5351
<b>Install Handle/Body</b>	555-0001 & 551-0001
<b>Remarks:</b>	N/A

### Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4157*	330-3102

\*Not available with pipe plug.

## STANDARD - TRAILER AXLE

## 372-7049

<b>Bore Diameter</b>	4.500
<b>Axle Ring</b>	310-1064
<b>Oil Seal</b>	320-2136
<i>Bore Diameter</i>	4.500
<b>Inner Bearing Cup/Cone</b>	JM511910/ JM511946
<b>Outer Bearing Cup/Cone</b>	JM205110/ JM205149
<b>Univ. Axle Tool Head</b>	555-5055
<b>Univ. Hub Tool Head</b>	551-5381
<b>Install Handle/Body</b>	555-0001 & 551-0001
<b>Remarks</b>	N/A

### Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4139*	330-3094

\*Not available with pipe plug.

## STANDARD - TRAILER AXLE

## 372-7062

<b>Bore Diameter</b>	6.008
<b>Axle Ring</b>	310-1130
<b>Oil Seal</b>	320-2023
<i>Bore Diameter</i>	6.008
<b>Inner Bearing Cup/Cone</b>	592A/593
<b>Outer Bearing Cup/Cone</b>	65320/65390 HH506310/HH506348
<b>Univ. Axle Tool Head</b>	555-5023
<b>Univ. Hub Tool Head</b>	551-5401
<b>Install Handle/Body</b>	555-0001 & 551-0001
<b>Bearing Guide</b>	570-0025
<b>Remarks:</b>	Fruehauf Modified #5, 2/60 & up.

### Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4019	330-3019

# Grit Guard® Hub-Seal Sets

## GRIT GUARD - TRAILER AXLE 372-7091

<b>Bore Diameter</b>	6.032
<b>Axle Ring</b>	315-1503
<b>Oil Seal</b>	320-2173
<i>Bore Diameter</i>	6.032
<b>Inner Bearing Cup/Cone</b>	742/749 or 749S
<b>Outer Bearing Cup/Cone</b>	632/643
<b>Universal Axle Tool Head</b>	555-5024
<b>Universal Hub Tool Head</b>	551-5401
<b>Installation Handle/Body</b>	555-0001 & 551-0001
<b>Bearing Guide</b>	N/A

**Remarks:** Will not fit S/F A-21-T prior to 6/71. Will not fit Gunite wheels R20-319 or T22-319.

### Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4011	330-3011
340-4163	330-3104
340-4059	330-3056

For Voyager® Seal No. 309-0173, 6.032" Bore, See Pg. 30

## GRIT GUARD - TRAILER AXLE 372-7095

<b>Bore Diameter</b>	5.753
<b>Axle Ring</b>	315-1510
<b>Oil Seal</b>	320-2118
<i>Bore Diameter</i>	5.753
<b>Inner Bearing Cup/Cone</b>	653/665A
<b>Outer Bearing Cup/Cone</b>	HM212011/ HM212049
<b>Universal Axle Tool Head</b>	555-5069
<b>Universal Hub Tool Head</b>	551-5321
<b>Install Handle/Body</b>	555-0001 & 551-0001
<b>Bearing Guide</b>	570-0024

**Remarks:** Do not use with Budd hubs having seal bore diameter greater than 5.758. When used with Eaton inboard skid control, use **320-2118** and **310-1037**.

### Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4009	330-3009
340-4013	330-3013
340-4015*	330-3015

For Guardian® Seal No. 307-0744, 5.753" Bore, See Pg. 16  
For Voyager® Seal No. 373-0144, 5.753" Bore, See Pg. 18

## GRIT GUARD - TRAILER AXLE 372-7096

<b>Bore Diameter</b>	7.135
<b>Axle Ring</b>	315-1506
<b>Oil Seal</b>	320-2111
<i>Bore Diameter</i>	7.135
<b>Inner Bearing Cup/Cone</b>	772/787
<b>Outer Bearing Cup/Cone</b>	6535/6580
<b>Universal Axle Tool Head</b>	555-5016
<b>Universal Hub Tool Head</b>	551-5323
<b>Installation Handle/Body</b>	555-0001 & 551-0001
<b>Bearing Guide</b>	N/A

**Remarks:** N/A

### Related Parts

Hub Cap w/ Gasket**	Gasket Number**
343-4107	330-3084

## GRIT GUARD - TRAILER AXLE 372-7097

<b>Bore Diameter</b>	6.000
<b>Axle Ring</b>	315-1504
<b>Oil Seal</b>	320-2110
<i>Bore Diameter</i>	6.000
<b>Inner Bearing Cup/Cone</b>	HM218210/ HM218248
<b>Outer Bearing Cup/Cone</b>	HM212011/ HM212049
<b>Universal Axle Tool Head</b>	555-5039
<b>Universal Hub Tool Head</b>	551-5412
<b>Installation Handle/Body</b>	555-0001 & 551-0001
<b>Bearing Guide</b>	570-0026

**Remarks:** Will not fit:  
• Std. Forge Hub mfg. prior to 8/71  
• Kershaw K-22 axle prior to 1/73  
• Std Forge A22-S axle prior to 5/71  
• KBW prior to 1/78.

Ring **315-1504** will not fit shoulders less than .625, use **310-1048**.

### Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4009	330-3009
340-4013	330-3013

For Guardian® HP Seal No. 307-0743, 6.000" Bore, See Pg. 16  
For Voyager® Seal No. 373-0143, 6.000" Bore, See Pg. 18  
For Discover® Seal No. 373-0243, 6.000" Bore, See Pg. 18

## GRIT GUARD - TRAILER AXLE 372-7098

<b>Axle Ring</b>	315-1507
<b>Oil Seal</b>	320-2109
<i>Bore Diameter</i>	5.750
<b>Inner Bearing Cup/Cone</b>	653/663
	553X/560
<b>Outer Bearing Cup/Cone</b>	HM212011/ HM212049
<b>Universal Axle Tool Head</b>	555-5100
<b>Universal Hub Tool Head</b>	551-5313
<b>Install Handle/Body</b>	555-0001 & 551-0001
<b>Bearing Guide</b>	570-0023

**Remarks:** Do not use on early hubs and wheels that have seal bore diameter greater than 5.758".

### Related Parts

Hub Cap w/ Gasket	Gasket Number
340-4009	330-3009
340-4013	330-3013
340-4015*	330-3015

For Guardian® HP Seal No. 307-0713, 5.750" Bore, See Pg. 16  
For Voyager® Seal No. 373-0113, 5.750" Bore, See Pg. 18  
For Discover® Seal No. 373-0213, 5.750" Bore, See Pg. 18

## GRIT GUARD - TRAILER AXLE 372-7099

<b>Axle Ring</b>	315-1503
<b>Oil Seal</b>	320-2023
<i>Bore Diameter</i>	6.008
<b>Inner Bearing Cup/Cone</b>	HM518410/ HM518445
<b>Outer Bearing Cup/Cone</b>	HM518410/ HM518445
<b>Universal Axle Tool Head</b>	555-5023
<b>Universal Hub Tool Head</b>	551-5401
<b>Install Handle/Body</b>	555-0001 & 551-0001
<b>Bearing Guide</b>	570-0025

**Remarks:** Fits Pro-Par axle, Eaton P-22 and Meritor TP.

Hub Cap Tool No. 570-7008

### Related Parts

Hub Cap w/ Gasket	Gasket Number
340-4075	330-3077
340-4195	330-3118

For Guardian® HP Seal No. 307-0723, 6.008" Bore, See Pg. 16  
For Voyager® Seal No. 373-0123, 6.008" Bore, See Pg. 18  
For Discover® Seal No. 373-0223, 6.008" Bore, See Pg. 18

# Guardian® Hub-Seal Sets

## GUARDIAN HP - FRONT AXLE

### 308-0836

<b>Bore Diameter</b>	4.840
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	39520/39581
<b>Outer Bearing Cup/Cone</b>	3525/3585
<b>Tool Head</b>	555-5062
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	HM212011/ HM212044, 553X/557A
<b>Outer Bearing Cup/Cone</b>	3720/3782
<b>Tool Head</b>	555-5061
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	HM212011/ HM212049 HM212011/ HM212049-X, X1
<b>Outer Bearing Cup/Cone</b>	3720/3782
<b>Tool Head</b>	555-5098
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	HM212011/ HM212047
<b>Outer Bearing Cup/Cone</b>	3720/3782
<b>Tool Head</b>	555-5066
<b>Spindle Shoulder O.D.</b>	3.500
<b>Width</b>	0.840
<b>Install Handle/Body</b>	555-0001
<b>Standard Set Equip.</b>	382-8036
<b>Voyager® Equip.</b>	383-0136
<b>Discover® Equip.</b>	383-0236

**Remarks:** Ford 9000# axle. Code N (FD-900), with 15x3 or 15x3-1/2 wedge brakes, use **382-8027** set. GMC only (FE-900), prior to 1960 use, **310-1036** and **320-2031**. Be sure steering adjustment stop bolt does not interfere with ring.

#### Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4009	330-3009
340-4024	330-3024
340-4095	330-3009
340-4028	330-3028
340-4186	330-3120
340-4042	330-3041
340-4249	330-3122
340-4066	330-3041
340-4046	330-3009
340-4034	330-3034
340-4149	330-3097

## GUARDIAN - FRONT AXLE

### 308-0853

<b>Bore Diameter</b>	5.372
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	632/641
<b>Outer Bearing Cup/Cone</b>	3920/3979
<b>Tool Head</b>	555-5060
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	H715311/ H715345
<b>Outer Bearing Cup/Cone</b>	3920/3979
<b>Tool Head</b>	555-5070
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	HM212001/ HM212049
<b>Outer Bearing Cup/Cone</b>	28622/28682
<b>Tool Head</b>	555-5060
<b>Width</b>	0.518
<b>Install Handle/Body</b>	555-0001
<b>Standard Set Equip.</b>	382-8053
<b>Voyager® Equip.</b>	383-0153

#### Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4046	330-3009
340-4249	330-3122
340-4095	330-3009

## GUARDIAN - FRONT AXLE

### 308-0855

<b>Bore Diameter</b>	5.875
<b>Inner Bearing Cup/Cone</b>	632/641
<b>Outer Bearing Cup/Cone</b>	28622/28682
<b>Universal Axle Tool Head</b>	555-5060
<b>Width</b>	0.820
<b>Installation Handle/Body</b>	555-0001
<b>Voyager® Equip.</b>	383-0156

**Remarks:** Use with FA-109 1979 & up spoke wheel number 45493-C2. Must be used with hydraulic brakes after 75. FA-109 comes with hydraulic brakes. IHC application.

#### Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4249	330-3122

## GUARDIAN - FRONT AXLE

### 308-0856

<b>Bore Diameter</b>	5.875
<b>Inner Bearing Cup/Cone</b>	H715311/ H715345, 632/641
<b>Outer Bearing Cup/Cone</b>	28622/28682, 552A/555S
<b>Universal Axle Tool Head</b>	555-5070
<b>Spindle Shoulder O.D.</b>	4.500
<b>Width</b>	0.820
<b>Install Handle/Body</b>	555-0001
<b>Standard Set Equip.</b>	382-8056
<b>Voyager® Equip.</b>	383-0156

#### Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4249	330-3122
340-4046	330-3009
340-4095	330-3009

## GUARDIAN - FRONT AXLE

### 308-0863

<b>Bore Diameter</b>	4.542
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	39520/39581
<b>Outer Bearing Cup/Cone</b>	3525/3585
<b>Universal Axle Tool Head</b>	555-5062
<b>Remarks</b>	Ford 9000# 1975 to 1984
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	45220/45284
<b>Outer Bearing Cup/Cone</b>	25820/25880
<b>Universal Axle Tool Head</b>	555-5064
<b>Remarks</b>	Ford 9000# 1984 up
<b>Spindle Shoulder O.D.</b>	3.500
<b>Width</b>	0.760
<b>Standard Set Equip.</b>	382-8063
<b>Install Handle/Body</b>	555-0001

#### Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4186	330-3120

# Guardian® Hub-Seal Sets

## GUARDIAN - FRONT AXLE 308-0864

<b>Bore Diameter</b>	5.903
<b>Inner Bearing Cup/Cone</b>	6420/6461A
<b>Outer Bearing Cup/Cone</b>	552A/555S, 3920/3979
<b>Universal Axle Tool Head</b>	555-5007
<b>Spindle Shoulder O.D.</b>	4.375
<b>Width</b>	0.955
<b>Install Handle/Body</b>	555-0001
<b>Standard Set Equip.</b>	382-8064
<b>Voyager® Equip.</b>	383-0164
<b>Discover® Equip.</b>	383-0264

### ▼ Related Parts ▼

Hub Cap w/ Gasket**	Gasket Number**
340-4046	330-3009
340-4249	330-3122
340-4049	330-3042
343-4249	330-3122
340-4066	330-3041
340-4095	330-3009
340-4149	330-3097
340-4098	330-3009

## GUARDIAN - FRONT AXLE 308-0866

<b>Bore Diameter</b>	3.875
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	JM207010/ JM207049A
<b>Outer Bearing Cup/Cone</b>	25820/25877
<b>Tool Head</b>	555-5088
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	JM205110/ JM205149A
<b>Outer Bearing Cup/Cone</b>	25820/25877
<b>Tool Head</b>	555-5089
<b>Width</b>	0.495
<b>Install Handle/Body</b>	555-0001
<b>Standard Set Equip.</b>	382-8066
<b>Voyager® Equip.</b>	383-0166

### ▼ Related Parts ▼

Hub Cap w/ Gasket**	Gasket Number**
340-4065	330-3040

## GUARDIAN - FRONT AXLE 308-0870

<b>Bore Diameter</b>	5.512
<b>Inner Bearing Cup/Cone</b>	JF7049A
<b>Universal Axle Tool Head</b>	555-5927
<b>Spindle Shoulder O.D.</b>	3.937
<b>Width</b>	0.820
<b>Installation Handle/Body</b>	555-0001
<b>Remarks:</b> Volvo FA 7.5 Front Axle	

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

**Hub caps sold separately.**

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

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

\* Not available with pipe plug.

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

 Discontinued

# Voyager® & Discover® Hub-Seals

## VOYAGER - FRONT AXLE

**383-0101****Bore Diameter** 5.625**Bearings and Tool Combination:****Inner Bearing Cup/Cone** 6320/6386 or 6389**Outer Bearing Cup/Cone** 552A/557S**Fleet Hub Tool** 551-5420**Bearing Guide** 570-0020**Bearings and Tool Combination:****Inner Bearing Cup/Cone** 6320/6379**Outer Bearing Cup/Cone** 552A/557S**Bearing Guide** N/A**Spindle Shoulder O.D.** 4.000**Width** 0.6250**Install Handle/Body** 551-0001**Standard Set Equiv.** 382-8001 

**Remarks:** 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.

▼ **Related Parts** ▼

Hub Cap w/ Gasket**	Gasket Number**
343-4080	330-3060

## VOYAGER &amp; DISCOVER - FRONT AXLE

**383-0136****383-0236****Bore Diameter** 4.840**Bearings and Tool Combination:****Inner Bearing Cup/Cone** 39520/39581**Outer Bearing Cup/Cone** 3525/3585**Bearing Guide** 570-0017**Bearings and Tool Combination:****Inner Bearing Cup/Cone** HM212011/  
HM212044  
553X/557A**Outer Bearing Cup/Cone** 3720/3782**Bearing Guide** 570-0018**Bearings and Tool Combination:****Inner Bearing Cup/Cone** HM212011/  
HM212049,  
HM212011/  
HM212049X, X1**Outer Bearing Cup/Cone** 3720/3782**Bearing Guide** 570-0020**Bearings and Tool Combination:****Inner Bearing Cup/Cone** HM212011/  
HM212047**Outer Bearing Cup/Cone** 3720/3782**Bearing Guide** 570-0019**Fleet Hub Tool** 551-5346**Spindle Shoulder O.D.** 3.500**Width** 0.932**Install Handle/Body** 551-0001**Guardian® Equiv.** 308-0836**Standard Set Equiv.** 382-8036

**Remarks:** Ford 9000# axle. Code N (FD-900), with 15x3 or 15x3-1/2 wedge brakes, use **382-8027** set. GMC only (FE-900), prior to 1960, use **310-1036** and **320-2031** sets. Be sure steering adjustment stop bolt does not interfere with ring.

▼ **Related Parts** ▼

Hub Cap w/ Gasket**	Gasket Number**
340-4009	330-3009
340-4024	330-3024
340-4095	330-3009
340-4028	330-3028
340-4186	330-3028
340-4042	330-3041
340-4249	330-3122
340-4249	330-3122
340-4066	330-3041
340-4046	330-3009
340-4034	330-3034
340-4149	330-3097
343-4025	330-3025

## VOYAGER &amp; DISCOVER - FRONT AXLE

**383-0139****383-0239****Bore Diameter** 5.120**Bearings and Tool Combination:****Inner Bearing Cup/Cone** 632/641**Outer Bearing Cup/Cone** 65320/65385**Fleet Hub Tool** 551-5413**Bearing Guide** 570-0020**Bearings and Tool Combination:****Inner Bearing Cup/Cone** HM212011/  
HM212049**Outer Bearing Cup/Cone** 45220/45280**Spindle Shoulder O.D.** 4.000**Width** 0.968**Install Handle/Body** 551-0001**Standard Set Equiv.** 382-8039 

**Remarks:** **383-0139** must be used with **310-1132** ring. Must be ordered as **383-8139** to receive **310-1132** ring. Replacement o-ring for **310-1132** is **355-5507**.

▼ **Related Parts** ▼

Hub Cap w/ Gasket**	Gasket Number**
343-4025	330-3025
340-4031	330-3031

*Must be ordered as 383-8139 to receive 310-1132 ring*

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

**Hub caps sold separately.**

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

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

\* Not available with pipe plug.

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

 Discontinued

# Voyager® & Discover® Hub-Seals

## VOYAGER - FRONT AXLE 383-0153

<b>Bore Diameter</b>	5.375
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	632/641
<b>Outer Bearing Cup/Cone</b>	3920/3979
<b>Bearing Guide</b>	570-0020
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	H715311/H715345
<b>Outer Bearing Cup/Cone</b>	3920/3979
<b>Bearing Guide</b>	570-0021
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	HM212011/HM212049
<b>Outer Bearing Cup/Cone</b>	28622/28682
<b>Bearing Guide</b>	570-0020
<b>Width</b>	0.820
<b>Fleet Hub Tool</b>	551-5419
<b>Install Handle/Body</b>	551-0001
<b>Guardian® Equiv.</b>	308-0853
<b>Standard Set Equiv.</b>	382-8053
<b>Remarks:</b> Use Hub tool with <b>551-5349</b> with <b>382-8053</b> .	

### Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4046	330-3009
340-4249	330-3122
340-4095	330-3009

## VOYAGER - FRONT AXLE 383-0156

<b>Bore Diameter</b>	5.875
<b>Inner Bearing Cup/Cone</b>	H715311/H715345, 632/641
<b>Outer Bearing Cup/Cone</b>	552A/555S, 28622/28682
<b>Bearing Guide</b>	570-0021
<b>Spindle Shoulder O.D.</b>	4.500
<b>Width</b>	0.988
<b>Fleet Hub Tool</b>	551-5344
<b>Install Handle/Body</b>	551-0001
<b>Guardian® Equiv.</b>	308-0856
<b>Standard Set Equiv.</b>	382-8056 ☒

**Remarks:** Use **308-0855** for FA109 1979 & up Spoke wheel number 454593-C2. **308-0855** must be used with hydraulic brakes after '75. FA-109 comes with hydraulic brakes.

### Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4046	330-3009
340-4249	330-3122
340-4095	330-3009

## VOYAGER & DISCOVER - FRONT AXLE 383-0164 383-0264

<b>Bore Diameter</b>	5.903
<b>Inner Bearing Cup/Cone</b>	6420/6461A
<b>Outer Bearing Cup/Cone</b>	552A/555S, 3979/3920
<b>Fleet Hub Tool</b>	551-5327
<b>Bearing Guide</b>	570-0022
<b>Spindle Shoulder O.D.</b>	4.375
<b>Width</b>	1.03
<b>Install Handle/Body</b>	551-0001
<b>Guardian® Equiv.</b>	308-0864
<b>Standard Set Equiv.</b>	382-8064
<b>Remarks:</b> Mack	

### Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4249	330-3122
340-4046	330-3042
340-4049	330-3042
343-4249	330-3122
340-4066	330-3041
340-4095	330-3009
340-4149	330-3097
340-4098	330-3009

## VOYAGER - FRONT AXLE 383-0166

<b>Bore Diameter</b>	3.875
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	JM207010/JM207049A/
<b>Outer Bearing Cup/Cone</b>	25820/25877
<b>Bearing Guide</b>	570-0036
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	JM205110/JM205149A
<b>Outer Bearing Cup/Cone</b>	25820/25877
<b>Bearing Guide</b>	570-0033
<b>Spindle Shoulder O.D.</b>	2.875
<b>Width</b>	0.750
<b>Fleet Hub Tool</b>	551-5423
<b>Install Handle/Body</b>	551-0001
<b>Guardian® Equiv.</b>	308-0866
<b>Standard Set Equiv.</b>	382-8066 ☒
<b>Remarks:</b> Use Hub tool <b>551-5366</b> with <b>382-8066</b>	

### Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4065	330-3040

## VOYAGER - FRONT AXLE 383-0171

<b>Bore Diameter</b>	5.000
<b>Inner Bearing Cup/Cone</b>	HM212011/HM212047
<b>Outer Bearing Cup/Cone</b>	45220/45282
<b>Fleet Hub Tool</b>	551-5403
<b>Bearing Guide</b>	570-0019
<b>Spindle Shoulder O.D.</b>	3.625
<b>Width</b>	0.820
<b>Install Handle/Body</b>	551-0001
<b>Standard Set Equiv.</b>	382-8071 ☒
<b>Remarks:</b> GMC F-120, F-120D axles, 1985 Up. With 5" seal bore.	

### Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4042	330-3041
340-4066	330-3041

## VOYAGER - FRONT AXLE 383-0175

<b>Bore Diameter</b>	3.939
<b>Inner Bearing Cup/Cone</b>	JM205149
<b>Outer Bearing Cup/Cone</b>	32207
<b>Tool Head</b>	551-5417
<b>Bearing Guide</b>	570-0033
<b>Spindle Shoulder O.D.</b>	2.359
<b>Width</b>	0.500
<b>Install Handle/Body</b>	551-0001
<b>Remarks:</b> GMC Topkick	

## VOYAGER - FRONT AXLE 383-0176

<b>Bore Diameter</b>	4.725
<b>Inner Bearing Cup/Cone</b>	33212
<b>Outer Bearing Cup/Cone</b>	33208
<b>Tool Head</b>	551-5418
<b>Bearing Guide</b>	570-0031
<b>Spindle Shoulder O.D.</b>	2.948
<b>Width</b>	0.5629
<b>Install Handle/Body</b>	551-0001
<b>Remarks:</b> GMC Topkick	

# Standard Hub-Seal Sets

## STANDARD - STEER AXLE

**382-8001** 

Axle Ring 310-1013

Oil Seal 320-2086  
Bore Diameter 5.625**Bearings and Tool Combination:**Inner Bearing Cup/Cone 6320/6386  
or 6389

Outer Bearing Cup/Cone 552A/557S

Bearing Guide 570-0020

Univ. Axle Tool Head 555-5060

**Bearings and Tool Combination:**

Inner Bearing Cup/Cone 6320/6379

Outer Bearing Cup/Cone 552A/557S

Univ. Axle Tool Head 555-5014

Fleet Hub Tool 551-5311

Install Handle/Body 555-0001 &amp; 551-0001

Remarks: Discontinued. Replaced by **383-0101**
 Related Parts 

Hub Cap w/ Gasket**	Gasket Number**
343-4080	330-3060

For Voyager® Seal No. 383-0101, 5.625" Bore, See Pg. 30

## STANDARD - STEER AXLE

**382-8005**Axle Ring 310-1061 Oil Seal 320-2056   
Bore Diameter 3.671

Inner Bearing Cup/Cone 3720/3778

Outer Bearing Cup/Cone 25820/25877,  
2720/2790

Universal Axle Tool Head 555-5001

Fleet Hub Tool 551-5302

Installation Handle/Body 555-0001 &  
551-0001Remarks: Oil Seal **320-2056** installs in bearing cup bore.

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



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

\* Not available with pipe plug.

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

 Discontinued

## STANDARD - STEER AXLE

**382-8009**Axle Ring 310-1052 Oil Seal 320-2050   
Bore Diameter 4.125Inner Bearing Cup/Cone 45220/45284,  
45220/45285Outer Bearing Cup/Cone 2720/2786,  
2720/2793,  
2720/2796



Universal Axle Tool Head 555-5036

Fleet Hub Tool 551-5347

Install Handle/Body 555-0001 &  
551-0001Remarks: Axle ring must extend 1/16" over bearing cone. Oil seal **320-2050** installs in bearing cup bore.
 Related Parts 

Hub Cap w/ Gasket**	Gasket Number**
340-4198	330-3119

## STANDARD - STEER AXLE

**382-8010**Axle Ring 310-1050 Oil Seal 320-2022   
Bore Diameter 4.500Inner Bearing Cup/Cone 4536/4595,  
39520/39578Outer Bearing Cup/Cone 414A/418,  
25520/25572

Universal Axle Tool Head NONE

Fleet Hub Tool 551-5381

Install Handle/Body 555-0001 &  
551-0001Remarks: Includes O-ring **355-5505**. With 2.5" inner bearing journal, June, '71 up, use **382-8062** set.
 Related Parts 

Hub Cap w/ Gasket**	Gasket Number**
343-4025	330-3025

## STANDARD - STEER AXLE

**382-8011**

Axle Ring 310-1051

Oil Seal 320-2031  
Bore Diameter 5.000Inner Bearing Cup/Cone 552A/559,  
3920/3982Outer Bearing Cup/Cone 552/526,  
3820/3877

Universal Axle Tool Head NONE

Fleet Hub Tool 551-5388

Install Handle/Body 555-0001 &  
551-0001

Bearing Guide 570-0019

Remarks: Includes O-ring **355-5506**.
 Related Parts 

Hub Cap w/ Gasket**	Gasket Number**
340-4025	330-3025
340-4031	330-3031

## STANDARD - STEER AXLE

**382-8017**Axle Ring 310-1017 Oil Seal 320-2017   
Bore Diameter 4.437

Inner Bearing Cup/Cone 39520/39581

Outer Bearing Cup/Cone 26820/26878

Universal Axle Tool Head 555-5062

Fleet Hub Tool 551-5352

Install Handle/Body 555-0001 &  
551-0001

Bearing Guide 570-0017

Remarks: Oil Seal **320-2017** installs in bearing cup bore.
 Related Parts 

Hub Cap w/ Gasket**	Gasket Number**
340-4042	330-3041
340-4066	330-3041



# Standard Hub-Seal Sets

## STANDARD - STEER AXLE 382-8027

<b>Axle Ring</b>	310-1036
<b>Oil Seal</b>	320-2119
<i>Bore Diameter</i>	4.450
<b>Inner Bearing Cup/Cone</b>	39520/39581
<b>Outer Bearing Cup/Cone</b>	3525/3585
<b>Universal Axle Tool Head</b>	555-5062
<b>Fleet Hub Tool</b>	551-5353
<b>Install Handle/Body</b>	555-0001 & 551-0001
<b>Bearing Guide</b>	570-0017

**Remarks:** Ford 9000# axle, Code N (FD-900), with 15x3 or 15x3.5 wedge brakes. With other brakes, use **382-8036** set (4.842" seal bore).

### Related Parts

Hub Cap w/ Gasket**	Gasket Number **
340-4024	330-3024

## STANDARD - STEER AXLE 382-8028

<b>Axle Ring</b>	310-1028
<b>Oil Seal</b>	320-2028
<i>Bore Diameter</i>	6.375
<b>Inner Bearing Cup/Cone</b>	752/756A
<b>Outer Bearing Cup/Cone</b>	HM212011/ HM212046, HM212011/ HM212047
<b>Universal Axle Tool Head</b>	555-5067
<b>Fleet Hub Tool</b>	551-5385
<b>Install Handle/Body</b>	555-0001 & 551-0001

**Remarks:** Ford axle code F. 1970 and up, use **382-8045** set.

### Related Parts

Hub Cap w/ Gasket**	Gasket Number **
340-4036	330-3035
340-4046	330-3009
340-4095	330-3009
343-4092	330-3025

## STANDARD - STEER AXLE 382-8032

<b>Axle Ring</b>	310-1032
<b>Oil Seal</b>	320-2032
<i>Bore Diameter</i>	5.000
<b>Inner Bearing Cup/Cone</b>	HM212011/ HM212049
<b>Outer Bearing Cup/Cone</b>	3720/3782
<b>Universal Axle Tool Head</b>	NONE
<b>Fleet Hub Tool</b>	551-5388
<b>Install Handle/Body</b>	555-0001 & 551-0001
<b>Bearing Guide</b>	570-0020

**Remarks:** Includes O-ring **355-5507**.

### Related Parts

Hub Cap w/ Gasket**	Gasket Number **
340-4024	330-3024
343-4034	330-3034

## STANDARD - STEER AXLE 382-8034

<b>Axle Ring</b>	310-1034
<b>Oil Seal</b>	320-2034
<i>Bore Diameter</i>	4.812
<b>Inner Bearing Cup/Cone</b>	HM212011/ HM212047
<b>Outer Bearing Cup/Cone</b>	37820/3779, 45220/45282
<b>Universal Axle Tool Head</b>	555-5066
<b>Fleet Hub Tool</b>	551-5387
<b>Install Handle/Body</b>	555-0001 & 551-0001
<b>Bearing Guide</b>	570-0019

**Remarks:** Oil seal **320-2034** installs in bearing cup bore. GMC F-120 before 1985. See **382-8071** for later models.

### Related Parts

Hub Cap w/ Gasket**	Gasket Number **
340-4042	330-3041
340-4066	330-3041

## STANDARD - STEER AXLE 382-8036

<b>Axle Ring</b>	310-1036
<b>Oil Seal</b>	320-2036
<i>Bore Diameter</i>	4.840
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	39520/39581
<b>Outer Bearing Cup/Cone</b>	3525/3585
<b>Univ. Axle Tool Head</b>	555-5062
<b>Bearing Guide</b>	570-0017

<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	HM212011/ HM212044 (533X/557A PRE 1959)
<b>Outer Bearing Cup/Cone</b>	3720/3782
<b>Univ. Axle Tool Head</b>	555-5061
<b>Bearing Guide</b>	570-0018

<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	HM212011/ HM212049 HM212011/HM212049X-X1
<b>Outer Bearing Cup/Cone</b>	3720/3782
<b>Univ. Axle Tool Head</b>	555-5098
<b>Bearing Guide</b>	570-0020

<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	HM212011/HM212047
<b>Outer Bearing Cup/Cone</b>	3720/3782
<b>Univ. Axle Tool Head</b>	555-5066
<b>Bearing Guide</b>	570-0019

<b>Fleet Hub Tool</b>	551-5346
<b>Install Handle/Body</b>	555-0001 & 551-0001

**Remarks:** 9000# axle, 15x3 or 15x3.5 wedge brakes use **382-8027** set. GMC only (FE-900), prior to 1960, use **310-1036** and **320-2031**.

### Related Parts

Hub Cap w/ Gasket**	Gasket Number **
340-4009	330-3009
340-4024	330-3024
340-4095	330-3009
340-4028	330-3028
340-4186	330-3028
340-4042	330-3041
340-4249	330-3122
340-4066	330-3041
340-4034	330-3034
340-4149	330-3097

For Guardian® Seal No. 308-0836, 4.840" Bore, See Pg. 26  
For Voyager® Seal No. 383-0136, 4.840" Bore, See Pg. 30  
For Discover® Seal No. 383-0236, 4.840" Bore, See Pg. 30

# Standard Hub-Seal Sets

STANDARD - STEER AXLE  
**382-8039** 


Axle Ring	310-1038
Oil Seal	320-2039
Bore Diameter	5.125
Inner Bearing Cup/Cone	663/641, HM212011/HM212049
Outer Bearing Cup/Cone	65320/65385, 45220/45280
Universal Axle Tool Head	NONE
Fleet Hub Tool	551-5395
Install Handle/Body	555-0001 & 551-0001
Bearing Guide	570-0029
Remarks:	Discontinued. Use <b>838-1039</b> or <b>383-0239</b> instead.

Related Parts

Hub Cap w/ Gasket**	Gasket Number**
343-4025	330-3025
340-4031	330-3031

For Voyager® Seal No. 383-0139, 5.120" Bore, See Pg. 30  
For Discover® Seal No. 383-0239, 5.120" Bore, See Pg. 30

STANDARD - STEER AXLE  
**382-8044**

Axle Ring	310-1008
Oil Seal	320-2105 
Bore Diameter	4.175
Inner Bearing Cup/Cone	45220/45284
Outer Bearing Cup/Cone	2720/2780, 25820/25880
Universal Axle Tool Head	555-5064
Fleet Hub Tool	551-5351
Install Handle/Body	555-0001 & 551-0001
Remarks	N/A

Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4065	330-3040

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

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

\* Not available with pipe plug.

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

 Discontinued

STANDARD - STEER AXLE  
**382-8045**

Axle Ring	310-1028 
Oil Seal	320-2041
Bore Diameter	6.437
Inner Bearing Cup/Cone	752/756A
Outer Bearing Cup/Cone	HM212011/HM212046, HM212011/HM212047
Universal Axle Tool Head	555-5067
Fleet Hub Tool	551-5398
Install Handle/Body	555-0001 & 551-0001
Remarks	N/A

Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4036	330-3035
340-4046	330-3009
340-4095	330-3009
340-4092	330-3025

STANDARD - STEER AXLE  
**382-8052**

Axle Ring	310-1009 
Oil Seal	320-2181
Bore Diameter	5.372
Inner Bearing Cup/Cone	6320/6386A, 5735/5760
Outer Bearing Cup/Cone	532A/537, 39520/39590
Universal Axle Tool Head	555-5060
Fleet Hub Tool	551-5349
Install Handle/Body	555-0001 & 551-0001
Bearing Guide	570-0020
Remarks:	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> .

Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4066	330-3041
343-4099	330-3080

Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4066	330-3041
343-4099	330-3080

STANDARD - STEER AXLE  
**382-8053** 

Axle Ring	310-1093
Oil Seal	320-2181
Bore Diameter	5.372
<b>Bearings and Tool Combination:</b>	
Inner Bearing Cup/Cone	632/641
Outer Bearing Cup/Cone	3920/3979
Univ. Axle Tool Head	555-5060
Bearing Guide	570-0020
<b>Bearings and Tool Combination:</b>	
Inner Bearing Cup/Cone	H715311/ H715345
Outer Bearing Cup/Cone	3920/3979
Univ. Axle Tool Head	555-5070
Bearing Guide	570-0021
<b>Bearings and Tool Combination:</b>	
Inner Bearing Cup/Cone	HM212011/HM212049
Outer Bearing Cup/Cone	28622/28682
Univ. Axle Tool Head	555-5060
Bearing Guide	570-0020
Fleet Hub Tool	551-5349
Install Handle/Body	555-0001 & 551-0001
Remarks:	Discontinued. Replace with <b>308-0853</b> or <b>383-0153</b>

Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4046	330-3009
340-4249	330-3122
340-4095	330-3009

For Guardian® Seal No. 308-0853, 5.372" Bore, See Pg. 26  
For Voyager® Seal No. 383-0153, 5.375" Bore, See Pg. 30

STANDARD - STEER AXLE  
**382-8056** 

Axle Ring	310-1093
Oil Seal	320-2199
Bore Diameter	5.875
Inner Bearing Cup/Cone	H715311/H715345, 632/641
Outer Bearing Cup/Cone	552A/555S, 28622/268682
Univ. Axle Tool Head	555-5070
Fleet Hub Tool	551-5344
Install Handle/Body	555-0001 & 551-0001
Bearing Guide	570-0021
Remarks:	Discontinued. Replace with <b>308-0856</b> or <b>383-0156</b>

Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4046	330-3009
340-4249	330-3122
340-4095	330-3009

For Guardian® Seal No. 308-0856, See Pg. 26  
For Voyager® Seal No. 383-0156, See Pg. 30

# Standard Hub-Seal Sets

## STANDARD - STEER AXLE 382-8060

Axle Ring	310-1041
Oil Seal	320-2023
Bore Diameter	6.008
Inner Bearing Cup/Cone	5735/5760, 6420/6461
Outer Bearing Cup/Cone	45220/45287, 612/621
Universal Axle Tool Head	NONE
Fleet Hub Tool	551-5401
Install Handle/Body	555-0001 & 551-0001
Bearing Guide	570-0022
Remarks:	Includes O-ring <b>355-5510</b>

### Related Parts

Hub Cap w/ Gasket**	Gasket Number**
343-4025	330-3025

## STANDARD - STEER AXLE 382-8062

Axle Ring	310-1051
Oil Seal	320-2125
Bore Diameter	4.437
Inner Bearing Cup/Cone	39520/39585
Outer Bearing Cup/Cone	22520/25572
Universal Axle Tool Head	NONE
Fleet Hub Tool	551-5388
Install Handle/Body	555-0001 & 551-0001
Bearing Guide	570-0019

Remarks: Includes O-ring **355-5506**. Oil seal **320-2125** installs in bearing cup bore. Prior to June 1971, use **382-8010** set.

### Related Parts

Hub Cap w/ Gasket**	Gasket Number**
343-4025	330-3025

## STANDARD - STEER AXLE 382-8063

Axle Ring	310-1036
Oil Seal	320-2133
Bore Diameter	4.542
<b>Bearings and Tool Combination:</b>	
Remarks:	Ford 9000# 1975-84
Inner Bearing Cup/Cone	39520/39581
Outer Bearing Cup/Cone	3525/3585
Univ. Axle Tool Head	555-5062
Bearing Guide	570-0017
<b>Bearings and Tool Combination:</b>	
Remarks:	Ford 9000# 1984 up
Inner Bearing Cup/Cone	45220/45284
Outer Bearing Cup/Cone	25820/25880
Univ. Axle Tool Head	555-5064
Bearing Guide	N/A
Fleet Hub Tool	551-5353
Install Handle/Body	555-0001 & 551-0001

### Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4186	330-3120

For Guardian® Seal No. 308-0863, See Pg. 26

## STANDARD - STEER AXLE 382-8064

Axle Ring	310-1037
Oil Seal	320-2137
Bore Diameter	5.903
Inner Bearing Cup/Cone	6420/6461A
Outer Bearing Cup/Cone	552A/555S, 3979/3920
Univ. Axle Tool Head	555-5007
Fleet Hub Tool	551-5327
Install Handle/Body	555-0001 & 551-0001
Bearing Guide	570-0022
Remarks:	Mack

### Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4249	330-3122
340-4046	330-3009
340-4049	330-3042
343-4249	330-3122
340-4066	330-3041
340-4095	330-3009
340-4149	330-3097
340-4098	330-3009

For Guardian® Seal No. 308-0864, 5.903" Bore, See Pg. 26  
For Voyager® Seal No. 383-0164, 5.903" Bore, See Pg. 30  
For Discover® Seal No. 383-0264, 5.903" Bore, See Pg. 30

## STANDARD - STEER AXLE 382-8066

Axle Ring	310-1008
Oil Seal	320-2164
Bore Diameter	3.875
<b>Bearings and Tool Combination:</b>	
Inner Bearing Cup/Cone	JM207010/ JM207049A
Outer Bearing Cup/Cone	25820/25877
Univ. Axle Tool Head	555-5088
Fleet Hub Tool	551-5366
Bearing Guide	570-0036
<b>Bearings and Tool Combination:</b>	
Inner Bearing Cup/Cone	JM207010/ JM207049A
Outer Bearing Cup/Cone	25820/25877
Univ. Axle Tool Head	555-5089
Bearing Guide	570-0033
Install Handle/Body	555-0001 & 551-0001
Remarks	N/A

### Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4065	330-3040

For Guardian® Seal No. 308-0866, 3.875" Bore, See Pg. 26  
For Voyager® Seal No. 383-0166, See Pg. 30

## STANDARD - STEER AXLE 382-8071

Axle Ring	310-1034
Oil Seal	320-2216
Bore Diameter	5.000
Inner Bearing Cup/Cone	HM212011/ HM212047
Outer Bearing Cup/Cone	45220/45282
Universal Axle Tool Head	555-5066
Fleet Hub Tool	551-5403
Install Handle/Body	555-0001 & 551-0001
Bearing Guide	570-0019
Remarks:	Discontinued. Replace with <b>383-0171</b>

### Related Parts

Hub Cap w/ Gasket**	Gasket Number**
340-4042	330-3041
340-4066	330-3041

For Voyager® Seal No. 383-0171, 5.000" Bore, See Pg. 26

# Guardian® & Guardian® HP Hub-Seal Sets

## GUARDIAN HP - DRIVE AXLE

### 309-0903

<b>Bore Diameter</b>	5.750
<b>Inner Bearing Cup/Cone</b>	572/580, 572/582
<b>Outer Bearing Cup/Cone</b>	563/567
<b>Spindle Shoulder O.D.</b>	4.5
<b>Width</b>	0.516
<b>Universal Axle Tool Head</b>	555-5072
<b>Install Handle/Body</b>	555-0001
<b>Grit Guard® Equiv.</b>	392-9094
<b>Voyager® Equiv.</b>	393-0103
<b>Discover® Equiv.</b>	393-0203

**Remarks:** 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.

## GUARDIAN - DRIVE AXLE

### 309-0904

<b>Bore Diameter</b>	6.250
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	652/663 HM516410/ HM516449,-C
<b>Outer Bearing Cup/Cone</b>	572/575 47620/47679
<b>Univ. Axle Tool Head</b>	555-5072
<b>Grit Guard® Equiv.</b>	392-9112

#### Bearings and Tool Combination:

<b>Inner Bearing Cup/Cone</b>	HM516410/ HM516449A
<b>Outer Bearing Cup/Cone</b>	47620/47679
<b>Univ. Axle Tool Head</b>	555-5073
<b>Grit Guard® Equiv.</b>	392-9130

<b>Spindle Shoulder O.D.</b>	4.25
<b>Width</b>	0.548
<b>Install Handle/Body</b>	555-0001
<b>Voyager® Equiv.</b>	393-0104
<b>Discover® Equiv.</b>	393-0204

**Remarks:** Use OEM bearing spacer 35AX790 or 35AX1411.

Use Grit Guard set **392-9130** with inner bearing HM516449A.

Use **309-0904** only with ABS Brakes. Ref.: Tech Tip 15.

## GUARDIAN - DRIVE AXLE

### 309-0912

<b>Bore Diameter</b>	5.690
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	47620/47685 47620/47686
<b>Outer Bearing Cup/Cone</b>	39520/39590
<b>Univ. Axle Tool Head</b>	555-5031
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	47620/47678 5735/5760
<b>Outer Bearing Cup/Cone</b>	39520/39590 572/575
<b>Univ. Axle Tool Head</b>	555-5074
<b>Spindle Shoulder O.D.</b>	3.875
<b>Width</b>	0.555
<b>Install Handle/Body</b>	555-0001
<b>Grit Guard® Equiv.</b>	392-9099
<b>Voyager® Equiv.</b>	393-0112
<b>Discover® Equiv.</b>	393-0212

**Remarks:** Do not use OEM oil seal spacer ring. Use with 5.687" bore only. Will not replace **320-2102** on GMC-Chev.

For GMC/Chev. with 5.500" bore, use **309-0915**.  
For Navistar w/ 39585 outer cone, use **392-9099**.

## GUARDIAN - DRIVE AXLE

### 309-0915

<b>Bore Diameter</b>	5.500
<b>Inner Bearing Cup/Cone</b>	47620/47686
<b>Outer Bearing Cup/Cone</b>	39520/39590
<b>Spindle Shoulder O.D.</b>	3.875
<b>Width</b>	0.736
<b>Univ. Axle Tool Head</b>	555-5031
<b>Install Handle/Body</b>	555-0001
<b>Grit Guard® Equiv.</b>	392-9099
<b>Voyager® Equiv.</b>	393-0115

**Remarks:** Do not use OEM oil seal spacer ring. Use with 5.500" bore only. GMC.

## GUARDIAN - DRIVE AXLE

### 309-0935

<b>Bore Diameter</b>	4.750
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	33462/33287 1962 up
<b>Outer Bearing Cup/Cone</b>	3920/3982
<b>Univ. Axle Tool Head</b>	555-5011
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	33462/33281 thru 1961
<b>Outer Bearing Cup/Cone</b>	3929/3982
<b>Univ. Axle Tool Head</b>	555-5002
<b>Spindle Shoulder O.D.</b>	3.437
<b>Width</b>	0.541
<b>Install Handle/Body</b>	555-0001
<b>Grit Guard® Equiv.</b>	392-9035

## GUARDIAN - DRIVE AXLE

### 309-0948

<b>Bore Diameter</b>	7.3750 Only
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	672/687
<b>Outer Bearing Cup/Cone</b>	772/780 52618/52400
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	772/780
<b>Outer Bearing Cup/Cone</b>	772/776 77675/77375 854/864
<b>Spindle Shoulder O.D.</b>	5.250
<b>Width</b>	0.7350
<b>Univ. Axle Tool Head</b>	555-5004
<b>Install Handle/Body</b>	555-0001
<b>Grit Guard® Equiv.</b>	392-9089
<b>Voyager® Equiv.</b>	393-0148

**Remarks:** **309-0048** and **392-9089** will not fit S582 or S652 after June, 1998

Only use **393-0148** on these axles after June, 1998.

## GUARDIAN - DRIVE AXLE

### 309-0957

<b>Bore Diameter</b>	5.500
<b>Bearings and Tool Combination:</b>	
<b>Remarks</b>	Ford 1970 Up. Thru 1969 use <b>392-9018</b> .
<b>Inner Bearing Cup/Cone</b>	493/495AX
<b>Outer Bearing Cup/Cone</b>	39520/39590
<b>Univ. Axle Tool Head</b>	555-5074

#### Bearings and Tool Combination:

<b>Remarks</b>	GMC 1982 Up. Thru 1981 use <b>392-9018</b> .
<b>Inner Bearing Cup/Cone</b>	33462/33287
<b>Outer Bearing Cup/Cone</b>	3920/3982
<b>Univ. Axle Tool Head</b>	555-5011

<b>Spindle Shoulder O.D.</b>	3.937
<b>Width</b>	0.745
<b>Install Handle/Body</b>	555-0001

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

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

# Guardian® & Guardian® HP Hub-Seal Sets

## GUARDIAN - DRIVE AXLE 309-0960

<b>Bore Diameter</b>	6.251
<b>Bearings and Tool Combination:</b>	
<b>Remarks</b>	GMC - Some Alum. hubs use <b>309-0973</b> seal.
<b>Inner Bearing Cup/Cone</b>	592A/598A
<b>Outer Bearing Cup/Cone</b>	572/580, 572/582
<b>Tool Head</b>	555-5071
<b>Grit Guard® Equiv.</b>	392-9132
<b>Bearings and Tool Combination:</b>	
<b>Remarks</b>	GMC - Some Alum. hubs use <b>309-0973</b> seal.
<b>Inner Bearing Cup/Cone</b>	592A/594A
<b>Outer Bearing Cup/Cone</b>	572/580, 572/582
<b>Univ. Axle Tool Head</b>	555-5076
<b>Grit Guard® Equiv.</b>	392-9132
<b>Bearings and Tool Combination:</b>	
<b>Remarks</b>	Mack application
<b>Inner Bearing Cup/Cone</b>	592A/598A
<b>Outer Bearing Cup/Cone</b>	HM617010/ HM617049
<b>Univ. Axle Tool Head</b>	555-5071
<b>Grit Guard® Equiv.</b>	392-9081 (Standard)
<b>Spindle Shoulder O.D.</b>	4.767
<b>Width</b>	0.668
<b>Install Handle/Body</b>	555-0001

## GUARDIAN HP - DRIVE AXLE 309-0961

<b>Bore Diameter</b>	6.064
<b>Inner Bearing Cup/Cone</b>	572/580 572/582 653/663A
<b>Outer Bearing Cup/Cone</b>	47620/42687 47620/42688
<b>Spindle Shoulder O.D.</b>	4.262
<b>Width</b>	0.562
<b>Univ. Axle Tool Head</b>	555-5072
<b>Install Handle/Body</b>	555-0001
<b>Grit Guard® Equiv.</b>	392-9095
<b>Remarks</b>	None

## GUARDIAN HP - DRIVE AXLE 309-0964

<b>Bore Diameter</b>	6.250
<b>Inner Bearing Cup/Cone</b>	592A/594 592A/594A
<b>Outer Bearing Cup/Cone</b>	572/580
<b>Spindle Shoulder O.D.</b>	4.500
<b>Width</b>	0.600
<b>Univ. Axle Tool Head</b>	555-5076
<b>Install Handle/Body</b>	555-0001
<b>Grit Guard® Equiv.</b>	392-9088
<b>Remarks</b>	None

## GUARDIAN HP - DRIVE AXLE 309-0965

<b>Bore Diameter</b>	6.250
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	592A/595
<b>Outer Bearing Cup/Cone</b>	572/580
<b>Tool Head</b>	555-5072
<b>Grit Guard® Equiv.</b>	392-9096
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	592A/598
<b>Outer Bearing Cup/Cone</b>	572/575
<b>Univ. Axle Tool Head</b>	555-5071
<b>Grit Guard® Equiv.</b>	392-9096
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	592A/598
<b>Outer Bearing Cup/Cone</b>	752/758, 653/665 HM617010/HM617049
<b>Univ. Axle Tool Head</b>	555-5071
<b>Grit Guard® Equiv.</b>	392-9092
<b>Spindle Shoulder O.D.</b>	4.375
<b>Width</b>	0.600
<b>Install Handle/Body</b>	555-0001
<b>Remarks:</b> On Eaton 42D, replace OEM bearing spacer with <b>357-5706</b> if damaged. Dimensions: OD 4.375, ID 4.150, width .688	

## GUARDIAN - DRIVE AXLE 309-0970

<b>Bore Diameter</b>	7.000
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	672/681A
<b>Outer Bearing Cup/Cone</b>	572/575, 572/580
<b>Univ. Axle Tool Head</b>	555-5071
<b>Grit Guard® Equiv.</b>	392-9087
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	672/683 672/683XA
<b>Outer Bearing Cup/Cone</b>	572/580
<b>Univ. Axle Tool Head</b>	555-5076
<b>Spindle Shoulder O.D.</b>	4.767
<b>Width</b>	1.175
<b>Install Handle/Body</b>	555-0001
<b>Remarks:</b> Some axles may require bushings. Shoulders with 4.375" diameter use <b>364-6402</b> bushing. Shoulders with 4.5" diameter use <b>364-6435</b> bushing. If axle has factory installed shoulder bushing, leave it in place and reuse if not damaged.	

## GUARDIAN HP - DRIVE AXLE 309-0973

<b>Bore Diameter</b>	6.310
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	592A/598A
<b>Outer Bearing Cup/Cone</b>	572/580
<b>Tool Head</b>	555-5071
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	592A/598
<b>Outer Bearing Cup/Cone</b>	572/575
<b>Univ. Axle Tool Head</b>	555-5071
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	592A/594
<b>Outer Bearing Cup/Cone</b>	572/580
<b>Univ. Axle Tool Head</b>	555-5076
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	592A/594A
<b>Outer Bearing Cup/Cone</b>	572/580
<b>Univ. Axle Tool Head</b>	555-5076
<b>Spindle Shoulder O.D.</b>	4.767
<b>Width</b>	0.91
<b>Install Handle/Body</b>	555-0001
<b>Grit Guard® Equiv.</b>	392-9131
<b>Voyager® Equiv.</b>	393-0173
<b>Discover® Equiv.</b>	393-0273
<b>Remarks:</b> Will not work on Freightliner with Wagner Anti-Skid or Motorola 22-14670-14 Electronic Speedometers. Use <b>320-2106</b> and <b>310-1111</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 **364-6402** to be installed before axle ring. Eaton 19 series single or 44D tandem with 4.500 spindle shoulder require shoulder bushing **364-6435** be to 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 **392-9087** set. Hub cap **340-4119** and gasket **330-3090** available for tag and pusher use. **364-6402** OD 4.776, ID 4.369, Width .980 **364-6435** OD 4.767, ID 4.500, Width .950.

# Voyager® & Discover® Hub-Seals

## VOYAGER & DISCOVER - DRIVE AXLE

**393-0103**  
**393-0203**

<b>Bore Diameter</b>	5.750
<b>Inner Bearing Cup/Cone</b>	572/580, 572/582
<b>Outer Bearing Cup/Cone</b>	563/567
<b>Spindle Shoulder O.D.</b>	4.500
<b>Width</b>	1.003
<b>Fleet Hub Tool</b>	551-5415
<b>Install Handle/Body</b>	551-0001
<b>Bearing Guide</b>	570-0023
<b>Guardian® Equiv.</b>	309-0903
<b>Grit Guard® Equiv.</b>	392-9094

**Remarks:** 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.

### Related Parts

Discover® Wheel Seal 393-0203

## VOYAGER & DISCOVER - DRIVE AXLE

**393-0104**  
**393-0204**

<b>Bore Diameter</b>	6.250
<b>Inner Bearing Cup/Cone</b>	652/663, HM516410/ HM516449,-C
<b>Outer Bearing Cup/Cone</b>	572/575, 47620/47679
<b>Spindle Shoulder O.D.</b>	4.250
<b>Width</b>	1.290
<b>Fleet Hub Tool</b>	551-5414
<b>Install Handle/Body</b>	551-0001
<b>Bearing Guide</b>	570-0023
<b>Guardian® Equiv.</b>	309-0904
<b>Grit Guard® Equiv.</b>	392-9112

**Remarks:** Mack application, use OEM bearing spacer, #35AX790 or 35AX1411. Note: For cast axle housing only. With HM516449A see **392-9130** set.

### Related Parts

Discover® Wheel Seal 393-0204

## VOYAGER & DISCOVER - DRIVE AXLE

**393-0112**  
**393-0212**

<b>Bore Diameter</b>	5.690
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	47620/47685
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	47620/47686 47620/47678 5735/5760
<b>Outer Bearing Cup/Cone</b>	39520/39590 39520/39585 572/575
<b>Bearing Guide</b>	570-0023 570-0022
<b>Spindle Shoulder O.D.</b>	3.875
<b>Width</b>	0.820
<b>Fleet Hub Tool</b>	551-5416
<b>Install Handle/Body</b>	551-0001
<b>Guardian® Equiv.</b>	309-0912
<b>Grit Guard® Equiv.</b>	392-9099

**Remarks:** Not for use with 5.500" bores. See **309-0915**.

### Related Parts

Discover® Wheel Seal 393-0212

## VOYAGER - DRIVE AXLE

**393-0115**

<b>Bore Diameter</b>	5.500
<b>Inner Bearing Cup/Cone</b>	47620/47686
<b>Outer Bearing Cup/Cone</b>	39520/39590
<b>Spindle Shoulder O.D.</b>	3.875
<b>Width</b>	0.705
<b>Fleet Hub Tool</b>	551-5424
<b>Install Handle/Body</b>	551-0001
<b>Bearing Guide</b>	570-0023
<b>Guardian® Equiv.</b>	309-0915
<b>Grit Guard® Equiv.</b>	392-9099

**Remarks:** Do not use OEM oil seal spacer ring. Use with 5.5" bore only. GMC. Use Hub tool **557-5518** with **392-9099**

# Voyager® & Discover® Hub-Seals

Seal Sets  
Front Axles

Component  
Specs

Installation  
Tools

Axle  
Fasteners

Long-Life  
Systems

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Reference

Installation  
Instructions

## VOYAGER - DRIVE AXLE

### 393-0134

<b>Bore Diameter</b>	6.000
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	6535/6580
<b>Outer Bearing Cup/Cone</b>	653/663
<b>Bearing Guide</b>	570-0025
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	6535/6559
<b>Outer Bearing Cup/Cone</b>	653/663
<b>Bearing Guide</b>	570-0023
<b>Spindle Shoulder O.D.</b>	4.875
<b>Width</b>	0.790
<b>Fleet Hub Tool</b>	551-5421
<b>Install Handle/Body</b>	551-0001
<b>Grit Guard® Equiv.</b>	392-9034
<b>Remarks</b>	None

## VOYAGER - DRIVE AXLE

### 393-0148

<b>Bore Diameter</b>	7.375
<b>Inner Bearing Cup/Cone</b>	672/687, 772/780
<b>Outer Bearing Cup/Cone</b>	772/780, 52618/52400, 772/776, 776575/77375, 854/864
<b>Spindle Shoulder O.D.</b>	5.250
<b>Width</b>	1.000
<b>Fleet Hub Tool</b>	551-5400
<b>Install Handle/Body</b>	551-0001
<b>Bearing Guide</b>	570-0032
<b>Guardian® Equiv.</b>	309-0948
<b>Grit Guard® Equiv.</b>	392-9089
<b>Remarks</b>	None

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

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

## VOYAGER & DISCOVER - DRIVE AXLE

### 393-0173

### 393-0273

<b>Bore Diameter</b>	6.310
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	592A/598A
<b>Outer Bearing Cup/Cone</b>	572/580
<b>Bearing Guide</b>	570-0027
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	592A/598
<b>Outer Bearing Cup/Cone</b>	572/575
<b>Bearing Guide</b>	570-0027
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	592A/594
<b>Outer Bearing Cup/Cone</b>	572/580
<b>Bearing Guide</b>	570-0028
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	592A/594A
<b>Outer Bearing Cup/Cone</b>	572/580
<b>Bearing Guide</b>	570-0028
<b>Spindle Shoulder O.D.</b>	4.767
<b>Width</b>	1.1270
<b>Fleet Hub Tool</b>	551-5320
<b>Install Handle/Body</b>	551-0001
<b>Guardian® Equiv.</b>	309-0973
<b>Grit Guard® Equiv.</b>	392-9131
<b>Remarks: For Dodge, Freightliner, Kenworth and Peterbilt using this set on Eaton axles with Meritor hubs or wheels:</b>	
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 inner bearing refer to <b>392-9087</b> set.	
Hub cap <b>340-4119</b> and gasket 330-3090 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.	

▼ **Related Parts** ▼

**Discover® Wheel Seal** 393-0273

# Standard Hub-Seal Sets

STANDARD - DRIVE AXLE <b>392-9001</b>	
Axle Ring	310-1095
Oil Seal	320-2001
Bore Diameter	6.500
<b>Bearings and Tool Combination:</b>	
Inner Bearing Cup/Cone	752/758
Outer Bearing Cup/Cone	663/665
Univ. Axle Tool Head	555-5069
Bearing Guide	570-0024
<b>Bearings and Tool Combination:</b>	
Inner Bearing Cup/Cone	752/760
Outer Bearing Cup/Cone	742/749
Univ. Axle Tool Head	555-5079
Bearing Guide	570-0026
Spindle Shoulder O.D.	4.875
Width	0.790
Fleet Hub Tool	551-5398
Install Handle/Body	555-0001 & 551-0001
Remarks	None

STANDARD - DRIVE AXLE <b>392-9007</b>	
Axle Ring	310-1007
Oil Seal	320-2096
Bore Diameter	6.250
Inner Bearing Cup/Cone	652/663, HM516410/ HM516449
Outer Bearing Cup/Cone	572/575, 47620/47679
Universal Axle Tool Head	551-5072
Fleet Hub Tool	551-5390
Install Handle/Body	555-0001 & 551-0001
Bearing Guide	570-0023
<b>Remarks:</b> For steel axle housing only. Cast housings use <b>310-1088</b> and <b>320-2213</b> .	
<b>Related Parts</b>	
Grit Guard® Hub Seal	310-1007

STANDARD - DRIVE AXLE <b>392-9012</b>	
Axle Ring	310-1012
Oil Seal	320-2012
Bore Diameter	5.690
<b>Bearings and Tool Combination:</b>	
Inner Bearing Cup/Cone	47620/47686
Outer Bearing Cup/Cone	39520/39590
Univ. Axle Tool Head	555-5031
Bearing Guide	570-0023
<b>Bearings and Tool Combination:</b>	
Inner Bearing Cup/Cone	47620/47678 5735/5760
Outer Bearing Cup/Cone	39520/39585 572/575
Univ. Axle Tool Head	555-5074
Bearing Guide	570-0022
Fleet Hub Tool	551-5405
Install Handle/Body	555-0001 & 551-0001
<b>Remarks:</b> Discontinued. Replaced by <b>309-9012</b> and Voyager <b>393-0112</b>	

<b>Related Parts</b>	
Guardian® HP Wheel Seal	309-0912
Voyager® Wheel Seal	393-0112
<small>For Guardian® Seal No. 309-0912, 5.690" Bore, See Pg. 26 For Voyager® Seal No. 393-0112, 5.690" Bore, See Pg. 30</small>	

STANDARD - DRIVE AXLE <b>392-9018</b>	
Axle Ring	310-1018
Oil Seal	320-2029
Bore Diameter	5.375
Inner Bearing Cup/Cone	493/495AX
Outer Bearing Cup/Cone	3920/3984
Universal Axle Tool Head	555-5074
Fleet Hub Tool	551-5386
Install Handle/Body	555-0001 & 551-0001
Bearing Guide	570-0022
<b>Remarks:</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> .	

STANDARD - DRIVE AXLE <b>392-9032</b>	
Axle Ring	310-1053
Oil Seal	320-2109
Bore Diameter	5.750
<b>Bearings and Tool Combination:</b>	
Inner Bearing Cup/Cone	572/580
Outer Bearing Cup/Cone	563/567
Univ. Axle Tool Head	555-5072
Bearing Guide	570-0023
<b>Bearings and Tool Combination:</b>	
Inner Bearing Cup/Cone	572/575
Outer Bearing Cup/Cone	572/575
Univ. Axle Tool Head	555-5074
Bearing Guide	570-0022
Fleet Hub Tool	551-5313
Install Handle/Body	555-0001 & 551-0001
Remarks	None

<b>Related Parts</b>	
Grit Guard® Hub Seal	320-2109
Grit Guard® Hub Seal	310-1053

STANDARD - DRIVE AXLE <b>392-9033</b>	
Axle Ring	310-1093
Oil Seal	320-2058
Bore Diameter	5.500
<b>Bearings and Tool Combination:</b>	
Inner Bearing Cup/Cone	742/749A
Outer Bearing Cup/Cone	653/663
Univ. Axle Tool Head	555-5072
Bearing Guide	570-0023
<b>Bearings and Tool Combination:</b>	
Inner Bearing Cup/Cone	6535/6559
Fleet Hub Tool	551-5303
Install Handle/Body	555-0001 & 551-0001
<b>Remarks:</b> Gaskets <b>330-3067</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.	

<b>Related Parts</b>	
Grit Guard® Hub Seal	310-1093



# Standard Hub-Seals Sets

STANDARD - DRIVE AXLE <b>392-9034</b> ❌	
<b>Axle Ring</b>	310-1066
<b>Oil Seal</b>	320-2061
<i>Bore Diameter</i>	6.003
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	6535/6580
<b>Outer Bearing Cup/Cone</b>	653/663
<b>Univ. Axle Tool Head</b>	555-5023
<b>Bearing Guide</b>	570-0025
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	6535/6559
<b>Outer Bearing Cup/Cone</b>	653/663
<b>Univ. Axle Tool Head</b>	555-5072
<b>Bearing Guide</b>	570-0023
<b>Fleet Hub Tool</b>	551-5356
<b>Install Handle/Body</b>	555-0001 & 551-0001
<b>Remarks:</b> Discontinued. Replaced by <b>329-9034</b>	
<span style="font-size: 1.2em;">▼</span> <b>Related Parts</b> <span style="font-size: 1.2em;">▼</span>	

**Voyager® Wheel Seal** 393-0134  
*For Voyager® Seal No. 393-0134, See Pg. 30*

STANDARD - DRIVE AXLE <b>392-9035</b>	
<b>Axle Ring</b>	310-1062 ❌
<b>Oil Seal</b>	320-2057 ❌
<i>Bore Diameter</i>	4.625
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	33462/33281 (thru 1961)
<b>Outer Bearing Cup/Cone</b>	3920/3982
<b>Univ. Axle Tool Head</b>	555-5002
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	33462/33287 (1962 and up)
<b>Outer Bearing Cup/Cone</b>	3920/3982
<b>Univ. Axle Tool Head</b>	555-5011
<b>Fleet Hub Tool</b>	551-5353
<b>Install Handle/Body</b>	555-0001 & 551-0001
<b>Remarks:</b> Oil Seal <b>320-2057</b> installs in bearing cup bore. The <b>309-0935</b> fits in the seal bore (4.750)	
<span style="font-size: 1.2em;">▼</span> <b>Related Parts</b> <span style="font-size: 1.2em;">▼</span>	

**Guardian® HP Wheel Seal** 309-0935  
**Grit Guard® Hub Seal** 310-1062 ❌  
*For Guardian® Seal No. 309-0935, 4.750" Bore, See Pg. 30*

STANDARD - DRIVE AXLE <b>392-9036</b>	
<b>Axle Ring</b>	310-1063 ❌
<b>Oil Seal</b>	320-2057 ❌
<i>Bore Diameter</i>	4.625
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	33462/33281
<b>Outer Bearing Cup/Cone</b>	39520/39585
<b>Univ. Axle Tool Head</b>	555-5002
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	33462/33287
<b>Univ. Axle Tool Head</b>	555-5011
<b>Fleet Hub Tool</b>	551-5353
<b>Bearing Guide</b>	570-0021
<b>Install Handle/Body</b>	555-0001 & 551-0001
<b>Remarks:</b> Oil Seal <b>320-2057</b> installs in bearing cup bore.	
<span style="font-size: 1.2em;">▼</span> <b>Related Parts</b> <span style="font-size: 1.2em;">▼</span>	

**Grit Guard® Hub Seal** 310-1063 ❌

STANDARD - DRIVE AXLE <b>392-9038</b>	
<b>Axle Ring</b>	310-1064 ❌
<b>Oil Seal</b>	320-2072 ❌
<i>Bore Diameter</i>	4.437
<b>Inner Bearing Cup/Cone</b>	3920/3984
<b>Outer Bearing Cup/Cone</b>	453X/462
<b>Universal Axle Tool Head</b>	555-5097
<b>Fleet Hub Tool</b>	551-5308
<b>Install Handle/Body</b>	555-0001 & 551-0001
<b>Bearing Guide</b>	570-0020
<b>Remarks:</b> Oil Seal <b>320-2072</b> installs into bearing cup bore.	
<span style="font-size: 1.2em;">▼</span> <b>Related Parts</b> <span style="font-size: 1.2em;">▼</span>	

**Grit Guard® Hub Seal** 310-1064 ❌

STANDARD - DRIVE AXLE <b>392-9045</b>	
<b>Axle Ring</b>	<i>See Remarks</i>
<b>Oil Seal</b>	320-2091 ❌
<i>Bore Diameter</i>	5.500
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	33472/33287
<b>Outer Bearing Cup/Cone</b>	3925/3982
<b>Univ. Axle Tool Head</b>	555-5011
<b>Bearing Guide</b>	N/A
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	33472/33281
<b>Outer Bearing Cup/Cone</b>	3925/3984
<b>Univ. Axle Tool Head</b>	555-5002
<b>Bearing Guide</b>	N/A
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	493/495AX
<b>Outer Bearing Cup/Cone</b>	39520/39590
<b>Univ. Axle Tool Head</b>	555-5074
<b>Bearing Guide</b>	570-0022
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	47620/47686
<b>Outer Bearing Cup/Cone</b>	39520/39590
<b>Univ. Axle Tool Head</b>	555-5031
<b>Bearing Guide</b>	570-0023
<b>Fleet Hub Tool</b>	551-5312
<b>Bearing Guide</b>	570-0021
<b>Install Handle/Body</b>	555-0001 & 551-0001
<b>Remarks:</b> Check type of OEM axle ring used. Stepped type OEM ring No. 3874372 must be replaced with the same OEM number. Flat type axle ring No. 3880944 can be replaced with either the OEM ring or STEMCO part No. <b>310-1117</b> . *Axle Ring must be ordered separately. It is not part of set No. <b>392-9045</b> . Oil seal <b>320-2091</b> seals on OEM spacer sleeve, GMC or Chev. No. 3874372. Replace if worn. Obtain from GMC-Chev. dealer. 1966 15000 uses 33287 & 3982 cones. 1967 up uses 33281 & 3984 cones.	
<span style="font-size: 1.2em;">▼</span> <b>Related Parts</b> <span style="font-size: 1.2em;">▼</span>	

**Grit Guard® Hub Seal** 310-1063

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

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

❌ Discontinued

# Standard Hub-Seal Sets

## STANDARD - DRIVE AXLE

**392-9053**

<b>Axle Ring</b>	310-1089
<b>Oil Seal</b>	320-2099
<i>Bore Diameter</i>	7.250
<b>Inner Bearing Cup/Cone</b>	772/782
<b>Outer Bearing Cup/Cone</b>	742/749
<b>Universal Axle Tool Head</b>	555-5016
<b>Fleet Hub Tool</b>	551-5317
<b>Install Handle/Body</b>	555-0001 & 551-0001

**Remarks:** Replace worn seal with **320-2059** (component of **320-2099**). Press oil seal into retainer so leather lip points toward oil side. Do not hammer on seal. National AR-23 ring must be removed

▼ Related Parts ▼

<b>Grit Guard® Hub Seal</b>	310-1089
<b>Grit Guard® Hub Seal</b>	320-2099

## STANDARD - DRIVE AXLE

**392-9057**

<b>Axle Ring</b>	310-1018
<b>Oil Seal</b>	320-2104
<i>Bore Diameter</i>	5.500
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	33462/33287
<b>Outer Bearing Cup/Cone</b>	3920/3982
<b>Univ. Axle Tool Head</b>	555-5011

**Bearings and Tool Combination:**

<b>Inner Bearing Cup/Cone</b>	493/495AX
<b>Outer Bearing Cup/Cone</b>	39520/39590
<b>Univ. Axle Tool Head</b>	555-5074
<b>Fleet Hub Tool</b>	551-5383
<b>Install Handle/Body</b>	555-0001 & 551-0001

**Remarks:** This seal set used on Ford 1970 & up and GMC 1982 & up. Ford prior to 1970 & GMC prior to 1982 use **392-9018**.

▼ Related Parts ▼

<b>Guardian® HP Hub Seal</b>	309-0957
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*For Guardian® Seal No. 309-0957, See Pg. 30*

## STANDARD - DRIVE AXLE

**392-9062**


<b>Axle Ring</b>	310-1103
<b>Oil Seal</b>	320-2001
<i>Bore Diameter</i>	6.500
<b>Bore Diameter</b>	6.500
<b>Inner Bearing Cup/Cone</b>	752/760
<b>Outer Bearing Cup/Cone</b>	742/749
<b>Universal Axle Tool Head</b>	555-5079
<b>Fleet Hub Tool</b>	551-5398
<b>Install Handle/Body</b>	555-0001 & 551-0001
<b>Bearing Guide</b>	570-0026
<b>Remarks</b>	None

▼ Related Parts ▼

<b>Grit Guard® Hub Seal</b>	310-1089
<b>Grit Guard® Hub Seal</b>	320-2099

## STANDARD - DRIVE AXLE

**392-9063**

<b>Axle Ring</b>	310-1104 
<b>Oil Seal</b>	320-2077
<i>Bore Diameter</i>	3.937
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	127627/ 188931
<b>Outer Bearing Cup/Cone</b>	149521/ 188933
<b>Univ. Axle Tool Head</b>	555-5054

**Bearings and Tool Combination:**

<b>Inner Bearing Cup/Cone</b>	382A/387AS 7451691/ 7451929
<b>Outer Bearing Cup/Cone</b>	LM104911/ LM104949 7451813/ 7451814
<b>Univ. Axle Tool Head</b>	555-5062
<b>Fleet Hub Tool</b>	551-5362
<b>Install Handle/Body</b>	555-0001 & 551-0001
<b>Bearing Guide</b>	570-0017
<b>Remarks</b>	None

## STANDARD - DRIVE AXLE

**392-9066**

<b>Axle Ring</b>	310-1107
<b>Oil Seal</b>	320-2115
<i>Bore Diameter</i>	6.000
<b>Inner Bearing Cup/Cone</b>	592A/594A
<b>Universal Axle Tool Head</b>	555-5076
<b>Fleet Hub Tool</b>	551-5356
<b>Install Handle/Body</b>	555-0001 & 551-0001
<b>Bearing Guide</b>	570-0028
<b>Remarks:</b>	Van Hool Bus application

## STANDARD - DRIVE AXLE

**392-9081**

<b>Axle Ring</b>	310-1079
<b>Oil Seal</b>	320-2009
<i>Bore Diameter</i>	6.251
<b>Inner Bearing Cup/Cone</b>	592A/598A
<b>Outer Bearing Cup/Cone</b>	HM617010/ HM617049
<b>Universal Axle Tool Head</b>	555-5071
<b>Fleet Hub Tool</b>	551-5356
<b>Install Handle/Body</b>	555-0001 & 551-0001
<b>Bearing Guide</b>	570-0027
<b>Remarks</b>	Mack Only



▼ Related Parts ▼

<b>Guardian® HP Hub Seal</b>	309-0960
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*For Guardian® Seal No. 309-0960, 6.251" Bore, See Pg. 30*

## STANDARD - DRIVE AXLE

**392-9111**

<b>Axle Ring</b>	310-1233 
<b>Oil Seal</b>	320-2233 
<i>Bore Diameter</i>	5.906
<b>Inner Bearing Cup/Cone</b>	593X/594
<b>Outer Bearing Cup/Cone</b>	593X/594
<b>Universal Axle Tool Head</b>	555-5076
<b>Fleet Hub Tool</b>	551-5404
<b>Install Handle/Body</b>	555-0001 & 551-0001
<b>Bearing Guide</b>	570-0028

**Remarks:** Mack Midliner. Mack slinger ring models 1987 & earlier.

# Grit Guard® Hub-Seals Sets

## GRIT GUARD - DRIVE AXLE 392-9087

<b>Axle Ring</b>	315-1502
<b>Oil Seal</b>	320-2162
<i>Bore Diameter</i>	7.000
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	672-681A
<b>Outer Bearing Cup/Cone</b>	572/575, 572/580
<b>Univ. Axle Tool Head</b>	555-5071
<b>Bearing Guide</b>	570-0027
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	672/682, 672/683XA
<b>Outer Bearing Cup/Cone</b>	572/580
<b>Univ. Axle Tool Head</b>	555-5076
<b>Bearing Guide</b>	570-0028
<b>Fleet Hub Tool</b>	551-5333
<b>Install Handle/Body</b>	555-0001 & 551-0001


**Remarks:** 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 **364-6435** 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.

### Related Parts

<b>Guardian® HP Hub Seal</b>	309-0970
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*For Guardian® Seal No. 309-0970, 7.000" Bore, See Pg. 30*

## GRIT GUARD - DRIVE AXLE 392-9088

<b>Axle Ring</b>	315-1517 
<b>Oil Seal</b>	320-2113
<i>Bore Diameter</i>	6.000
<b>Inner Bearing Cup/Cone</b>	592A/594 592A/594A
<b>Outer Bearing Cup/Cone</b>	572/580
<b>Universal Axle Tool Head</b>	555-5076
<b>Fleet Hub Tool</b>	551-5412
<b>Install Handle/Body</b>	555-0001 & 551-0001
<b>Bearing Guide</b>	570-0028

**Remarks:** Oil seal **320-2113** installs in bearing cup bore.

### Related Parts

<b>Guardian® HP Wheel Seal</b>	309-0964
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*For Guardian® Seal No. 309-0964, 6.250" Bore, See Pg. 30*

## GRIT GUARD - DRIVE AXLE 392-9089

<b>Axle Ring</b>	315-1516
<b>Oil Seal</b>	320-2097
<i>Bore Diameter</i>	7.375
<b>Inner Bearing Cup/Cone</b>	372/687, 772/780
	772/780, 52618/52400, 772/776, 77675/77375, 524/864
<b>Outer Bearing Cup/Cone</b>	
<b>Universal Axle Tool Head</b>	555-5004
<b>Fleet Hub Tool</b>	551-5400
<b>Install Handle/Body</b>	555-0001 & 551-0001
<b>Bearing Guide</b>	570-0032

**Remarks:** Use OEM bearing spacer #37AX335. **320-2059** is a component of **320-2097**. Must replace with the **320-2097** seal.

**392-9089** and **309-0948** will not fit S582 or S652 after June 1998. Only use **393-0148** on these axles after June 1998. Won't fit 58,000 Mack 2000/2001.

### Related Parts

<b>Guardian® HP Wheel Seal</b>	309-0948
<b>Voyager® Wheel Seal</b>	393-0148

*For Guardian® Seal No. 309-0948, 7.375" Bore, See Pg. 30*  
*For Voyager® Seal No. 393-0148, 7.375" Bore, See Pg. 30*

## GRIT GUARD - DRIVE AXLE 392-9092

<b>Axle Ring</b>	315-1508
<b>Oil Seal</b>	320-2131
<i>Bore Diameter</i>	6.250
<b>Inner Bearing Cup/Cone</b>	592A/598
	752/758 653/665 HM617010/ HM617049
<b>Outer Bearing Cup/Cone</b>	
<b>Universal Axle Tool Head</b>	555-5071
<b>Fleet Hub Tool</b>	551-5363
<b>Install Handle/Body</b>	555-0001 & 551-0001
<b>Bearing Guide</b>	570-0027

**Remarks:** Mack

### Related Parts

<b>Guardian® HP Wheel Seal</b>	309-0965
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*For Guardian® Seal No. 309-0965, 6.250" Bore, See Pg. 30*

## GRIT GUARD - DRIVE AXLE 392-9094

<b>Axle Ring</b>	315-1511
<b>Oil Seal</b>	320-2129
<i>Bore Diameter</i>	5.750
<b>Inner Bearing Cup/Cone</b>	572/580 572/582
<b>Outer Bearing Cup/Cone</b>	563/567
<b>Universal Axle Tool Head</b>	555-5072
<b>Fleet Hub Tool</b>	551-5393
<b>Install Handle/Body</b>	555-0001 & 551-0001
<b>Bearing Guide</b>	570-0023



**Remarks:** 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.

### Related Parts

<b>Guardian® HP Wheel Seal</b>	309-0903
<b>Voyager® Wheel Seal</b>	309-0103
<b>Discover® Wheel Seal</b>	309-0203

*For Guardian® Seal No. 309-0903, 5.750" Bore, See Pg. 30*  
*For Voyager® Seal No. 393-0103, 5.750" Bore, See Pg. 30*  
*For Discover® Seal No. 393-0203, 5.750" Bore, See Pg. 30*

## GRIT GUARD - DRIVE AXLE 392-9095

<b>Axle Ring</b>	315-1509 
<b>Oil Seal</b>	320-2117 
<i>Bore Diameter</i>	6.064
<b>Inner Bearing Cup/Cone</b>	572/580, 572/582, 653/663A
<b>Outer Bearing Cup/Cone</b>	42620/42687
<b>Universal Axle Tool Head</b>	555-5072
<b>Fleet Hub Tool</b>	551-5325
<b>Install Handle/Body</b>	555-0001 & 551-0001
<b>Remarks</b>	None

### Related Parts

<b>Guardian® HP Wheel Seal</b>	309-0961
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*For Guardian® Seal No. 309-0961, 6.064" Bore, See Pg. 30*

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

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

 Discontinued

# Grit Guard® Hub-Seal Sets

## GRIT GUARD - DRIVE AXLE 392-9096

<b>Axle Ring</b>	315-1508
<b>Oil Seal</b>	320-2114
<i>Bore Diameter</i>	6.000

### Bearings and Tool Combination:

<b>Inner Bearing Cup/Cone</b>	592A/595
<b>Outer Bearing Cup/Cone</b>	572/580
<b>Univ. Axle Tool Head</b>	555-5072
<b>Bearing Guide</b>	570-0023

### Bearings and Tool Combination:

<b>Inner Bearing Cup/Cone</b>	592A/598
<b>Outer Bearing Cup/Cone</b>	572/575
<b>Univ. Axle Tool Head</b>	555-5071
<b>Bearing Guide</b>	570-0027
<b>Fleet Hub Tool</b>	551-5412

<b>Install Handle/Body</b>	555-0001 & 551-0001
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**Remarks:** Oil seal **320-2114** installs in bearing cup bore. For use with Eaton 42D replace OEM bearing spacer with **357-5706** if damaged.

Dimensions: OD 4.375, ID 4.150, width .688.

### Related Parts

<b>Guardian® HP Wheel Seal</b>	309-0965
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*For Guardian® Seal No. 309-0965, 6.250" Bore, See Pg. 30*

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

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

 Discontinued

## GRIT GUARD - DRIVE AXLE 392-9099

<b>Axle Ring</b>	315-1501
<b>Oil Seal</b>	320-2102
<i>Bore Diameter</i>	5.250

### Bearings and Tool Combination:

<b>Inner Bearing Cup/Cone</b>	47620/47685, 47620/47686
<b>Outer Bearing Cup/Cone</b>	39520/39590
<b>Univ. Axle Tool Head</b>	555-5031
<b>Bearing Guide</b>	570-0023

### Bearings and Tool Combination:

<b>Inner Bearing Cup/Cone</b>	47620/47678
<b>Outer Bearing Cup/Cone</b>	39520/39585
<b>Univ. Axle Tool Head</b>	555-5074
<b>Bearing Guide</b>	570-0022
<b>Fleet Hub Tool</b>	551-5318

<b>Install Handle/Body</b>	555-0001 & 551-0001
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**Remarks:** Oil seal 320-2102 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.

### Related Parts

<b>Guardian® HP Wheel Seal</b>	309-0915
<b>Voyager® Wheel Seal</b>	393-0115
<b>Guardian® HP Wheel Seal</b>	309-0912
<b>Voyager® Wheel Seal</b>	393-0112
<b>Discover® Wheel Seal</b>	393-0212

*For Guardian® Seal No. 309-0915, 5.500" Bore, See Pg. 30*

*For Voyager® Seal No. 309-0115, 5.500" Bore, See Pg. 30*

*For Guardian® Seal No. 309-0912, 5.690" Bore, See Pg. 30*

*For Voyager® Seal No. 309-0112, 5.690" Bore, See Pg. 30*

*For Discover® Seal No. 309-0212, 5.690" Bore, See Pg. 30*

## GRIT GUARD - DRIVE AXLE 392-9112

<b>Axle Ring</b>	315-1515
<b>Oil Seal</b>	320-2213
<i>Bore Diameter</i>	6.251

### Bearings and Tool Combination:

<b>Inner Bearing Cup/Cone</b>	652/663 HM516410/ HM516449,-C
<b>Outer Bearing Cup/Cone</b>	572/575 47620/47679
<b>Universal Axle Tool Head</b>	555-5072
<b>Fleet Hub Tool</b>	551-5364

### Install Handle/Body

<b>Install Handle/Body</b>	555-0001 & 551-0001
<b>Bearing Guide</b>	570-0023

**Remarks:** Mack application, use OEM bearing spacer #35AX790 or 35AX1411.

For cast axle housing only. With HM516449A see **392-9130**. Only **309-0904** can be used with ABS Brakes.

### Related Parts


<b>Guardian® HP Wheel Seal</b>	309-0904
<b>Voyager® Wheel Seal</b>	393-0104
<b>Guardian® HP Wheel Seal</b>	393-0204

*For Guardian® Seal No. 309-0904, 6.25" Bore, See Pg. 30*

*For Voyager® Seal No. 309-0104, 6.25" Bore, See Pg. 30*

*For Discover® Seal No. 309-0204, 6.25" Bore, See Pg. 30*

## GRIT GUARD - DRIVE AXLE 392-9130

<b>Axle Ring</b>	315-1519 
<b>Oil Seal</b>	320-2213
<i>Bore Diameter</i>	6.251

<b>Inner Bearing Cup/Cone</b>	HM516410/ HM516449A
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<b>Outer Bearing Cup/Cone</b>	572/575 47620/47679
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<b>Bearing Guide</b>	570-0023
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<b>Universal Axle Tool Head</b>	555-5073
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<b>Fleet Hub Tool</b>	551-5364
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<b>Install Handle/Body</b>	555-0001 & 551-0001
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**Remarks:** Mack application, seal set for use with HM516449A only. Do not use bearing spacer. **309-0904**, **393-0104** and **393-0204** can be used with ABS Brakes. Reference Tech Tip #015.

### Related Parts

<b>Guardian® HP Wheel Seal</b>	309-0904
<b>Voyager® Wheel Seal</b>	393-0104
<b>Guardian® HP Wheel Seal</b>	393-0204

*For Guardian® Seal No. 309-0904, 6.25" Bore, See Pg. 30*

*For Voyager® Seal No. 309-0104, 6.25" Bore, See Pg. 30*

*For Discover® Seal No. 309-0204, 6.25" Bore, See Pg. 30*

# Grit Guard® Hub-Seal Sets

Seal Sets  
Front Axles

Component  
Specs

Installation  
Tools

Axle  
Fasteners

Long-Life  
Systems

Cross  
Reference

Installation  
Instructions

## GRIT GUARD - DRIVE AXLE

### 392-9131

<b>Axle Ring</b>	315-1525*
<b>Oil Seal</b>	320-2106
<i>Bore Diameter</i>	6.310
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	592A/598A
<b>Outer Bearing Cup/Cone</b>	572/580
<b>Univ. Axle Tool Head</b>	555-5071
<b>Bearing Guide</b>	570-0027
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	592A/598
<b>Outer Bearing Cup/Cone</b>	572/575
<b>Univ. Axle Tool Head</b>	555-5071
<b>Bearing Guide</b>	570-0027
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	592A/594
<b>Outer Bearing Cup/Cone</b>	572/580
<b>Univ. Axle Tool Head</b>	555-5076
<b>Bearing Guide</b>	570-0028
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	592A/594A
<b>Outer Bearing Cup/Cone</b>	572-580
<b>Univ. Axle Tool Head</b>	555-5076
<b>Bearing Guide</b>	570-0028
<b>Fleet Hub Tool</b>	551-5320
<b>Install Handle/Body</b>	555-0001 & 551-0001

**Remarks:** 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 **364-6402** to be installed before axle ring. Eaton 19 series single or 44D tandem with 4.500 spindle shoulder require shoulder bushing **364-6435** 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 **315-1525** axle ring. For wheel ends using 681A inner bearing refer to **392-9087** set. Hub cap **340-4119** & gasket **330-3090** available for tag and pusher use. This set fits ABS Systems (Anti-lock Brake System).

\* 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.

#### Related Parts

<b>Guardian® HP Wheel Seal</b>	309-0973
<b>Voyager® Wheel Seal</b>	393-0173
<b>Guardian® HP Wheel Seal</b>	309-0273

For Guardian® Seal No. 309-0973, 6.130" Bore, See Pg. 30  
For Voyager® Seal No. 309-0173, 6.130" Bore, See Pg. 30  
For Discover® Seal No. 309-0273, 6.130" Bore, See Pg. 30

## GRIT GUARD - DRIVE AXLE

### 392-9132

<b>Axle Ring</b>	315-1530
<b>Oil Seal</b>	320-2115
<i>Bore Diameter</i>	6.000
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	592A/598A
<b>Outer Bearing Cup/Cone</b>	572/582
<b>Univ. Axle Tool Head</b>	555-5071
<b>Bearing Guide</b>	570-0027
<b>Bearings and Tool Combination:</b>	
<b>Inner Bearing Cup/Cone</b>	592A/594A
<b>Outer Bearing Cup/Cone</b>	580
<b>Univ. Axle Tool Head</b>	555-5076
<b>Bearing Guide</b>	570-0028
<b>Fleet Hub Tool</b>	551-5356
<b>Install Handle/Body</b>	555-0001 & 551-0001

**Remarks:** Oil seal **320-2115** installs in bearing cup bore. Aluminum hubs use **392-9131** set. REF: **392-9081**

#### Related Parts

**Guardian® HP Wheel Seal** 309-0960

For Guardian® Seal No. 309-0960, 6.251" See Pg. 30

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

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

 Discontinued

# Grit Guard® Hub-Seal Sets

## GRIT GUARD - DRIVE AXLE

## 392-9096

**Axle Ring** 315-1508

**Oil Seal** 320-2114  
*Bore Diameter* 6.000

**Bearings and Tool Combination:**

**Inner Bearing Cup/Cone** 592A/595

**Outer Bearing Cup/Cone** 572/580

**Univ. Axle Tool Head** 555-5072

**Bearing Guide** 570-0023

**Bearings and Tool Combination:**

**Inner Bearing Cup/Cone** 592A/598

**Outer Bearing Cup/Cone** 572/575

**Univ. Axle Tool Head** 555-5071

**Bearing Guide** 570-0027

**Fleet Hub Tool** 551-5412

**Install Handle/Body** 555-0001 & 551-0001

**Remarks:** Oil seal **320-2114** installs in bearing cup bore. For use with Eaton 42D replace OEM bearing spacer with **357-5706** if damaged.

Dimensions: OD 4.375, ID 4.150, width .688.

## ▼ Related Parts ▼

**Guardian® HP Hub Seal** 309-0965

*For Guardian® Seal No. 309-0965, 6.25" Bore, See Pg. 30*

## GRIT GUARD - DRIVE AXLE

## 392-9099

**Axle Ring** 315-1501

**Oil Seal** 320-2102  
*Bore Diameter* 5.250

**Bearings and Tool Combination:**

**Inner Bearing Cup/Cone** 47620/47685,  
47620/47686

**Outer Bearing Cup/Cone** 39520/39590

**Univ. Axle Tool Head** 555-5031

**Bearing Guide** 570-0023

**Bearings and Tool Combination:**

**Inner Bearing Cup/Cone** 47620/47678

**Outer Bearing Cup/Cone** 39520/39585

**Univ. Axle Tool Head** 555-5074

**Bearing Guide** 570-0022

**Fleet Hub Tool** 551-5318

**Install Handle/Body** 555-0001 & 551-0001

**Remarks:** Oil seal 320-2102 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.

## ▼ Related Parts ▼

**Guardian® HP Hub Seal** 309-0915

**Voyager® HP Hub Seal** 393-0115

**Guardian® HP Hub Seal** 309-0912

**Voyager® HP Hub Seal** 393-0112

**Discover® HP Hub Seal** 393-0212

*For Guardian® Seal No. 309-0915, 5.5" Bore, See Pg. 30*

*For Voyager® Seal No. 309-0115, 5.5" Bore, See Pg. 30*

*For Guardian® Seal No. 309-0912, 5.69" Bore, See Pg. 30*

*For Voyager® Seal No. 309-0112, 5.69" Bore, See Pg. 30*

*For Discover® Seal No. 309-0212, 5.69" Bore, See Pg. 30*

## GRIT GUARD - DRIVE AXLE

## 392-9112

**Axle Ring** 315-1515

**Oil Seal** 320-2213  
*Bore Diameter* 6.251

**Inner Bearing Cup/Cone** 652/663  
HM516410/  
HM516449,-C

**Outer Bearing Cup/Cone** 572/575  
47620/47679

**Bearing Guide** 570-0023

**Universal Axle Tool Head** 555-5072

**Fleet Hub Tool** 551-5364

**Install Handle/Body** 555-0001 & 551-0001

**Remarks:** Mack application, use OEM bearing spacer #35AX790 or 35AX1411.

For cast axle housing only. With HM516449A see **392-9130**. Only **309-0904** can be used with ABS Brakes.

## ▼ Related Parts ▼

**Guardian® HP Hub Seal** 309-0904

**Voyager® HP Hub Seal** 393-0104

**Guardian® HP Hub Seal** 393-0204

*For Guardian® Seal No. 309-0904, 6.25" Bore, See Pg. 30*

*For Voyager® Seal No. 309-0104, 6.25" Bore, See Pg. 30*

*For Discover® Seal No. 309-0204, 6.25" Bore, See Pg. 30*

## GRIT GUARD - DRIVE AXLE

## 392-9130

**Axle Ring** 315-1519 

**Oil Seal** 320-2213  
*Bore Diameter* 6.251

**Inner Bearing Cup/Cone** HM516410/  
HM516449A

**Outer Bearing Cup/Cone** 572/575  
47620/47679

**Bearing Guide** 570-0023

**Universal Axle Tool Head** 555-5073

**Fleet Hub Tool** 551-5364

**Install Handle/Body** 555-0001 & 551-0001

**Remarks:** Mack application, seal set for use with HM516449A only. Do not use bearing spacer. **309-0904**, **393-0104** and **393-0204** can be used with ABS Brakes. Ref Tech Tip #015.

## ▼ Related Parts ▼

**Guardian® HP Hub Seal** 309-0904

**Voyager® HP Hub Seal** 393-0104

**Guardian® HP Hub Seal** 393-0204

*For Guardian® Seal No. 309-0904, 6.25" Bore, See Pg. 30*

*For Voyager® Seal No. 309-0104, 6.25" Bore, See Pg. 30*

*For Discover® Seal No. 309-0204, 6.25" Bore, See Pg. 30*

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

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

 Discontinued

# Technologically Advanced Sealing Solutions

## *Unitized Pinion Seals*



### **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 ID with a wide contact area includes SMART anti-rotational features to prevent the seal from spinning on the yoke and the fully unitized design makes most yokes reusable.

### **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.

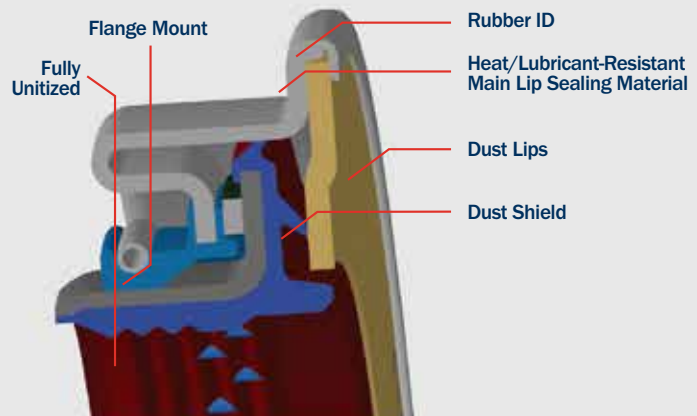
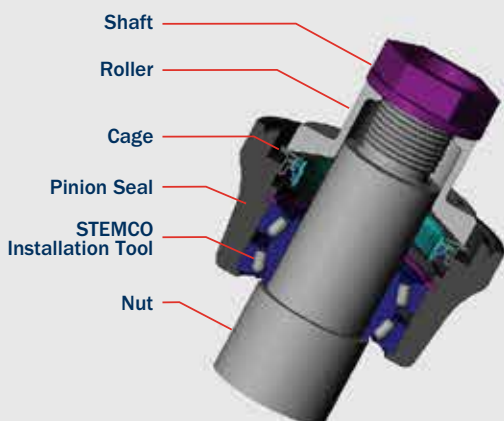
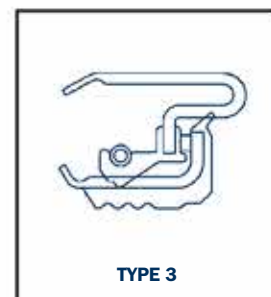
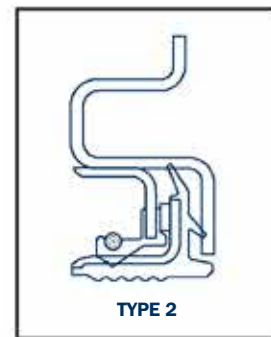
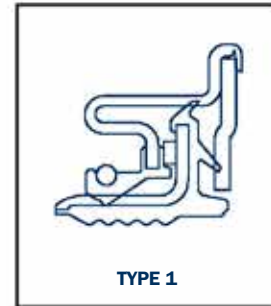
### **Long-Life Performance**

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

### Specifications & Interchange

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	3.625/2.625	551-5003	127720 63910	26200 26209 26239	475003N	3
Eaton 344, 404, 405, 454 Front Output			127592	26762		3
<b>STEMCO No. 429-0005</b> Meritor SQ100 RT46-160 Front Input	3.751/3.003	551-5004	A11205Y2729 A1205P2590 A1205E1227	29865 29867 30007	4810V 100495 415281N	1
<b>STEMCO No. 429-0006</b> Eaton 402 Front Input	4.003/2.937	551-5002	127719 A1205U1737	29292 29322 29316	416654 475012N	3
Eaton 40, 461-653 series Front Output			210737	29380		
<b>STEMCO No. 429-0007</b> Meritor R145/160 RT46-160 Front Input	4.249/3.253	551-5006	A11205X2728 A1205R2592 A1205P1368 A1205B1926	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, Front & Rear Input	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

### Design Types





# Pinion Seal Specifications

## Pinion Seal Specifications by Set Number

Set Number	Bore ID	Yoke Shaft OD	Wear Sleeve	Dust Seal	Oil Seal	Spline OD	Tool Number
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
460-6006	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

Component part numbers discontinued, sold as sets only

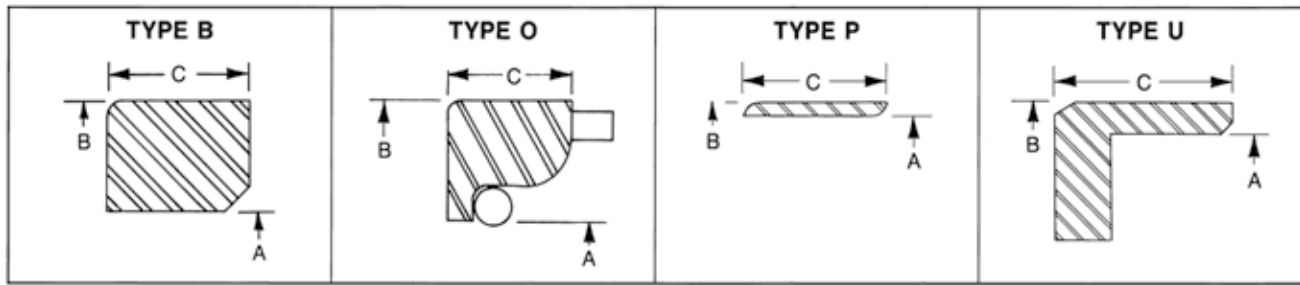
Oil Seal & Dust Seal are an integral unit

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

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

# 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.



**Note:** "A" dimension is the shoulder size. The axle ring I.D. is sized to provide a press fit.

## Axle Ring Dimensions by Part Number

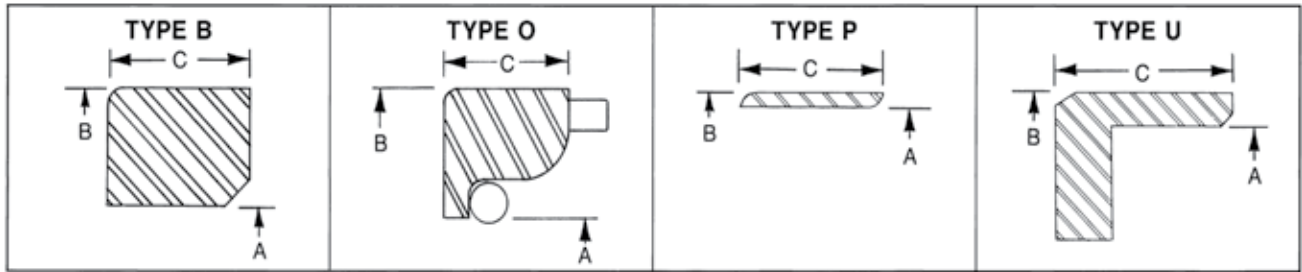
STEMCO Axle Ring Number	Type	A For Shoulder Or Spindle O.D.	B Axle Ring O.D.	C Width
310-1007	P	5.000	5.120	.812
310-1008	P	2.878	2.980	.500
310-1009	B	4.000	4.600	.687
310-1012	P	3.875	4.040	.812
310-1013	P	4.000	4.127	.520
310-1017	P	3.250	3.348	.500
310-1018	P	3.937	4.035	.831
310-1022	O	3.500	4.375	.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

STEMCO Axle Ring Number	Type	A For Shoulder Or Spindle O.D.	B Axle Ring O.D.	C Width
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
310-1103	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

⊗ Discontinued

# 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	310-1050
2.500	O	3.625	.625	310-1051
2.625	O	3.625	.600	310-1032
2.625	O	4.040	.750	310-1038
2.625		4.000	.750	310-1132
2.671	P	2.775	.562	310-1061
2.844	B	3.125	.600	310-1104
2.878	P	2.980	.500	310-1008
3.000	O	4.375	.812	310-1041
3.125	B	3.355	.519	310-1052
3.125	P	3.250	.750	310-1064
3.250	P	3.348	.500	310-1017
3.250	O	4.375	.625	310-1080
3.347	O	4.375	.875	310-1006
3.437	P	3.619	.687	310-1062
3.500	O	4.375	.632	310-1022
3.500	B	4.120	.500	310-1027
3.500	P	3.625	.524	310-1036
3.500	P	3.625	.687	310-1063
3.625	P	3.732	.500	310-1034
3.750	B	4.125	.562	310-1057
3.840	B	4.163	.625	310-1117
3.875	B	4.375	.500	310-1005
3.875	P	4.040	.812	310-1012
3.875	P	3.972	.812	310-1091

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	310-1018
4.000	B	4.600	.687	310-1009
4.000	P	4.127	.520	310-1013
4.000	P	4.121	.750	310-1053
4.250	P	4.344	.547	310-1023
4.250	B	4.948	.531	310-1045
4.250	P	4.369	.812	310-1088
4.250	P	4.344	.437	310-1130
4.375	P	4.480	.750	310-1026
4.375	P	4.480	.562	310-1037
4.500	P	4.597	.687	310-1093
4.503	B	4.955	.500	310-1043
4.600	U	4.865	1.000	310-1123
4.625	P	4.730	.593	310-1048
4.724	P	4.818	.650	310-1233
4.750	P	4.864	.750	310-1107
4.767	P	4.948	.812	310-1079
4.767	P	4.848	.650	310-1111
4.823	P	4.948	.750	310-1058
4.875	P	4.954	.500	310-1028
4.875	P	4.948	1.000	310-1066
4.875	P	4.948	.750	310-1103
5.000	P	5.120	.812	310-1007
5.235	U	5.368	.908	310-1089
5.250	P	5.375	.812	310-1067

Discontinued

## Decimal Equivalents

1/32	.0313
1/16	.0625
3/32	.0938
1/8	.1250
5/32	.1563
3/16	.1875
7/32	.2188
1/4	.2500

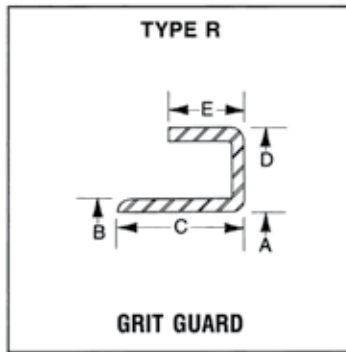
9/32	.2813
5/16	.3125
11/32	.3438
3/8	.3750
13/32	.4063
7/8	.8750
15/32	.4688
1/2	.5000

17/32	.5313
9/16	.5625
19/32	.5938
5/8	.6250
21/32	.6563
11/16	.6875
23/32	.7188
3/4	.7500

25/32	.7813
13/16	.8125
27/32	.8438
7/16	.4375
29/32	.9063
15/16	.9375
31/32	.9688
1	1.0000

# 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

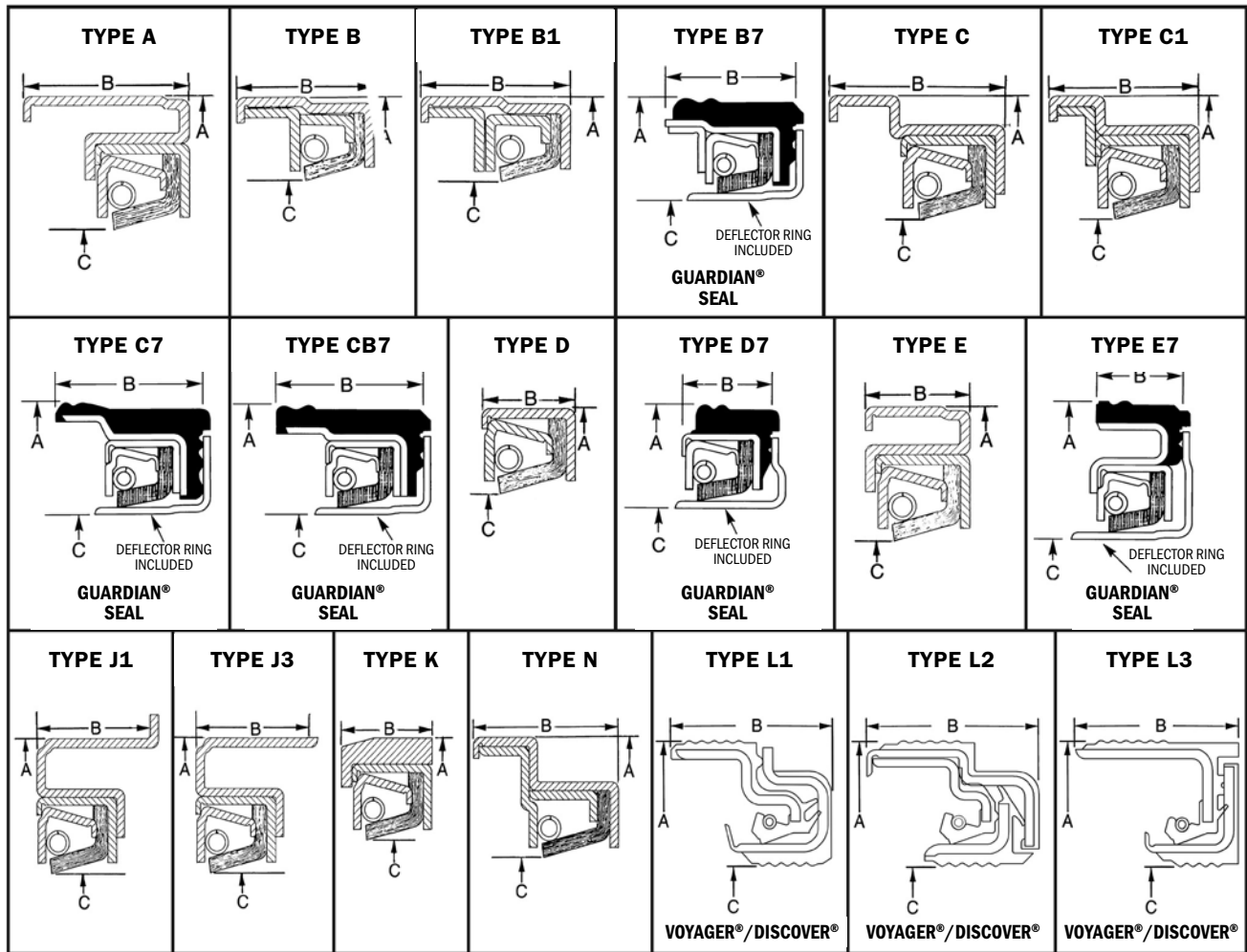
Grit Guard® Deflector Ring	Deflector Ring Type	A For Shoulder O.D.	B Seal Area O.D.	C Width	D Flange O.D.	E Flange Width
315-1501	R	3.875	3.972	1.052	5.250	0.520
315-1502	R	4.767	4.854	1.008	6.147	0.630
315-1503	R	4.250	4.338	0.667	5.625	0.453
315-1504	R	4.625	4.730	0.730	5.875	0.430
315-1506	R	5.250	5.364	0.905	6.875	0.625
315-1507	R	4.000	4.127	0.603	5.625	0.365
315-1508	R	4.375	4.480	0.875	6.125	0.500
315-1509	R	4.262	4.375	0.811	5.630	0.468
315-1510	R	4.375	4.480	0.682	5.625	0.500
315-1511	R	4.500	4.597	0.950	5.685	0.437
315-1515	R	4.250	4.341	0.937	6.000	0.470
315-1516	R	5.250	5.375	1.110	7.125	0.395
315-1517	R	4.500	4.597	0.818	6.125	0.493
315-1519	R	4.250	4.341	1.187	6.000	0.470
315-1525	R	4.767	4.854	0.915	6.031	0.537
315-1530	R	4.767	4.872	0.915	5.935	0.400

### Deflector Ring Dimensions by Shoulder O.D.

A For Shoulder O.D.	Deflector Ring 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	0.520	315-1501
4.000	R	4.115	0.603	5.625	0.365	315-1507
4.250	R	4.341	1.187	6.000	0.470	315-1519
4.250	R	4.338	0.667	5.625	0.453	315-1503
4.250	R	4.369	0.937	6.000	0.470	315-1515
4.262	R	4.373	0.811	5.630	0.468	315-1509
4.375	R	4.480	0.682	5.625	0.500	315-1510
4.375	R	4.480	0.875	6.125	0.500	315-1508
4.500	R	4.597	0.950	5.685	0.437	315-1511
4.500	R	4.597	0.825	6.125	0.500	315-1517
4.625	R	4.730	0.745	5.875	0.490	315-1504
4.767	R	4.872	0.915	5.935	0.400	315-1530
4.767	R	4.854	1.008	6.147	0.630	315-1502
4.767	R	4.854	0.915	6.031	0.537	315-1525
5.250	R	5.375	1.110	7.125	0.395	315-1516
5.250	R	5.364	0.905	6.875	0.625	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

1 Deflector ring width is .855.  
 2 Deflector ring width is .685.  
 3 Guardian® HP.

# Oil Seal Specifications

## Oil Seal Dimensions by Part Number

STEMCO Seal Number	Type	A for Bore Diameter	B Width	C for 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

⊗ Discontinued

STEMCO Seal Number	Type	A for Bore Diameter	B Width	C for 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®/Discover® Seal Number	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 Number	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	L2	6.310	1.127	4.767
393-0212	L2	5.690	.820	3.875

1 383-0139 must be used with 310-1132 ring, available in Kit #383-8139.

2 383-0239 must be used with 310-1132 ring, available in Kit #383-8239.

# Oil Seal Specifications

## Guardian® Hub Oil Seal Dimensions By Bore Diameter

A for Bore Diameter	Guardian® Type	B Width	C for Shoulder O.D.	Guardian® Seal Number
3.875	D7	.495	2.875	308-0866
4.542	B7	.760	3.500	308-0863
4.750	D7	.541	3.437	309-0935
4.840	CB7	.840	3.500	308-0836
5.372	D7	.518	4.500	308-0853
5.500	E7	.736	3.875	309-0915
5.500	E7	.745	3.937	309-0957
5.512	E7	.820	3.937	308-0870
5.690	E7	.555	3.875	309-0912
5.750	E7	.604	4.000	307-0713
5.750	D7	.516	4.500	309-0903
5.753	C7	1.015	4.375	307-0744
5.875	CB7	.820	4.500	308-0855 <sup>1</sup>

A for Bore Diameter	Guardian® Type	B Width	C for Shoulder O.D.	Guardian® Seal Number
5.875	CB7	.820	4.500	308-0856 <sup>2</sup>
5.903	E7	.955	4.375	308-0864
6.000	D7	.584	4.625	307-0743
6.008	E7	.563	4.250	307-0723
6.064	E7	.562	4.262	309-0961
6.250	E7	.548	4.250	309-0904
6.250	E7	.600	4.500	309-0964
6.250	E7	.600	4.375	309-0965
6.251	D7	.668	4.767	309-0960
6.310	C7	.910	4.767	309-0973
7.000	C7	1.175	4.767	309-0970
7.375	E7	.735	5.250	309-0948

<sup>1</sup> Deflector ring width is .885. <sup>2</sup> Deflector ring width is .685.

## Oil Seal Dimensions By Bore Diameter

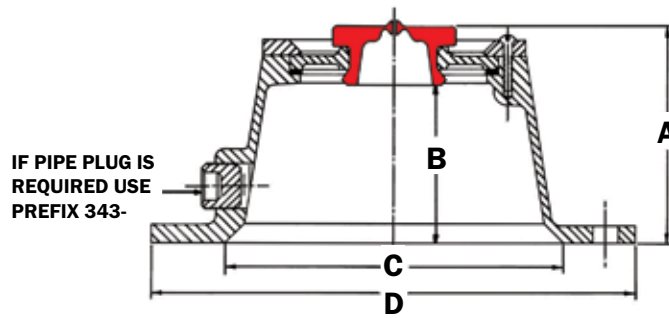
A for Bore Diameter	Seal Type	B Width	C for Axle Ring O.D. +/- .010	STEMCO Oil Seal Number
3.671	B1	.843	2.775	320-2056 <sup>ⓧ</sup>
3.875	B	.750	2.980	320-2164
3.937	D	.473	3.125	320-2077
4.125	B	.780	2.980	320-2018
4.125	B1	.664	3.361	320-2050 <sup>ⓧ</sup>
4.175	B	.780	2.980	320-2105 <sup>ⓧ</sup>
4.437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

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

<sup>ⓧ</sup> Discontinued

# 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 <sup>1</sup>	330-3102
4-1/16	3/16	6	2-5/8	1-7/8	3-5/16	4-1/2	340-4139 <sup>1</sup>	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 <sup>2</sup>	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 <sup>2</sup>	330-3122
5-17/32	3/8	6	2-5/16	1-9/16	4-9/16	6-3/16	343-4281 <sup>2</sup>	330-3122
5-9/16	5/16	6	1-13/16	1-11/16	4-7/16	6-3/16	340-4249 <sup>2</sup>	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 <sup>2</sup>	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

<sup>1</sup> Cannot be made with pipe plug.

<sup>2</sup> Made with pipe plug only.








<sup>3</sup> Fits 5-1/2 and 5-9/16 bolt circles.


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# 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	5/16	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
6-5/8	1/4	6	2-13/16	2-1/16	5-5/16	7-1/8	340-4034	330-3034
6-3/4	5/16	6	3-11/16	2-15/16	5-7/16	7-1/2	340-4195	330-3118
6-3/4	3/8	6	2-11/16	1-15/16	5	7-3/4	343-4064 	330-3079
6-7/8	7/16	7	2-11/16	1-15/16	5	7-3/4	340-4082	330-3062
7	5/8	8	2-1/16	1-5/16	4-5/16	8-1/4	340-4119 	330-3090
7	13/16	8	2-1/16	1-5/16	4-5/16	8-1/4	340-4305 	330-3090
7-1/4	1/4	6	2-7/8	2-1/8	6-1/4	7-7/8	343-4107 	330-3084
110/mm	8.5mm	6	67.3mm	47.0mm	88.4mm	133.3mm	343-4295 	330-3130

 Cannot be made with pipe plug.

 Made with pipe plug only.

## 4009 Hub Cap Variations

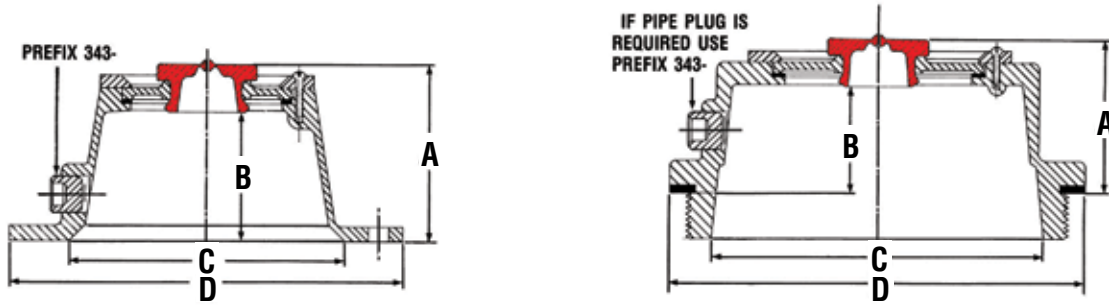
Application	Part Number	Description
Oil	343-4350	Cast aluminum hub cap with PSI face & side fill plug
Oil	347-4009	Cast aluminum hub cap with hubo window & side fill plug
Oil	348-4009	Cast aluminum hub cap with Sentinel® Technology and side fill plug
Oil	356-4009	Integrated Sentinel®
Grease/Oil	340-4009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

## Bulk Hub Caps

STEMCO Part Number	Standard Part Number	Bulk Quantity	Gasket Number
300-4009	340-4009	25	330-3009 (Included)
303-4009	343-4009	25	330-3009 (Included)
300-5097	340-4009	25	330-3009 (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 <sup>4</sup>	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 <sup>4</sup>	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 <sup>2</sup>	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 <sup>1</sup>	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 <sup>2</sup>	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 <sup>4</sup>		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 <sup>2</sup>	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 <sup>2</sup>	7-1/4"	1/4"	6	2-7/8"	2-1/8"	6-1/4"	7-7/8"	330-3084	359-5995
340-4119 <sup>1</sup>	7"	5/8"	8	2-1/16"	1-5/16"	4-5/16"	8-1/4"	330-3090	359-5995
343-4122 <sup>5</sup>	5-1/2"	5/16"	6	2-11/16"	1-15/16"	4-3/8"	6-1/4"	330-3009	359-5995
340-4139 <sup>2</sup>	4-1/16"	3/16"	6	2-5/8"	1-7/8"	3-5/16"	4-1/2"	330-3094	359-5999
340-4149	5-9/16"	5/16"	6	2-7/8"	2-1/8"	3-11/16"	6-3/8"	330-3097	359-5999
340-4157 <sup>1</sup>	4"	1/4"	4	2-1/8"	1-3/8"	3-1/8"	4-9/16"	330-3102	NONE
340-4163 <sup>1</sup>	6-1/8"	5/16"	6	2-11/16"	1-15/16"	4-5/16"	7"	330-3104	359-5995
343-4176	6"	5/16"	6	2-1/2"	1-3/4"	4-15/16"	6-7/8"	330-3060	359-5999

<sup>1</sup> Cannot be made with pipe plug.

<sup>2</sup> Made with pipe plug only.

<sup>4</sup> Hub cap available with hubo 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.

<sup>5</sup> 4009 hub cap with magnetic pipe plug (359-5984).

(Continued Next Page)

# Hub Cap Specifications

## Hub Caps By Cap Number (Cont.)

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
340-4186	5"	5/16"	4	2-1/8"	1-3/8"	4"	5-3/4"	330-3120	359-5999
340-4195 <sup>4</sup>	6-3/4"	5/16"	6	3-11/16"	2-15/16"	5-7/16"	7-1/2"	330-3118	359-5995
340-4198	3-7/8"	5/16"	6	2-1/4"	1-1/2"	2-3/4"	4-1/2"	330-3119	NONE
340-4249 <sup>8</sup>	5-1/2"	5/16"	6	1-13/16"	1-11/16"	4-7/16"	6-3/16"	330-3122	359-5912
343-4250 <sup>2 7</sup>	5-17/32"	3/8"	6	1-13/16"	1-9/16"	4-7/16"	6-3/16"	330-3122	NONE
340-4263 <sup>1</sup>	4-1/2"	6mm	6	2-5/8"	1-7/8"	3-1/2"	5-1/4"	330-3024	359-5999
343-4281 <sup>8</sup>	5-17/32"	3/8"	6	2-5/16"	1-9/16"	4-9/16"	6-3/16"	330-3122	359-5995
343-4295 <sup>2</sup>	110mm	8.5mm	6	67.3mm	47.0mm	88.4mm	133.3mm	330-3130	359-5999
343-4308 <sup>2 10</sup>	4-1/2"	5/16"	6	2-5/8"	1-7/8"	3-1/2"	5-1/4"	330-3024	NONE
343-4309 <sup>2 8</sup>	5-1/2"	5/16"	6	1-13/16"	1-1/16"	4-9/16"	6-3/16"	330-3009	359-6100
340-4320 <sup>1</sup>	"	6-1/4 x 8 UN (M)		2-5/16"	1-9/16"	5-3/4"	6-7/8"	330-3077	NONE
343-4342 <sup>2 9</sup>	5-1/2"	5/16"	6	2-11/16"	1-15/16"	4-3/8"	6-1/4"	330-3009	359-6100
340-4975 <sup>1 10</sup>		6-1/4 x 8 UN (M)		2-5/16"	1-9/16"	5-3/4"	6-7/8"	330-3077	NONE
340-4976 <sup>1 10</sup>		6-1/4 x 8 UN (M)		2-5/16"	1-9/16"	5-3/4"	6-7/8"	330-3077	NONE
340-4977 <sup>1 1</sup>		6-1/4 x 8 UN (M)		2-5/16"	1-9/16"	5-3/4"	6-7/8"	330-3077	NONE
343-5111	3-5/8"	5/16"	4	2-1/4"	1-1/2"	2-3/4"	4-1/2"	330-3040	NONE

<sup>1</sup> Cannot be made with pipe plug.

<sup>2</sup> Made with pipe plug only.

<sup>8</sup> Hub cap can be used with 5-1/2 or 5-9/16 bolt circle with 5/16 inch bolts.

<sup>4</sup> Hub cap available with hubo 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 hubo window when ordered with 347 prefix. See options below.

<sup>6</sup> Lexan hub caps, order in multiples of 25.

<sup>7</sup> 4249 with recessed vent plug.

<sup>8</sup> 4095 with small vent plug 359-5915.

<sup>9</sup> 4009 with small vent plug 359-5915.

<sup>10</sup> 4024 with small vent plug.

<sup>11</sup> 4975 individually boxed.

## Torque Specifications

Hub Cap Mounting Bolts			
Bolt Size	Torque	Bolt Size	Torque
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	
Part No.	Part No.
XXX-4075	100 ft. lbs.
340-4975	50-60 ft. lbs.
340-4976	50-60 ft. lbs.
640-0003	50-60 ft. lbs.

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

Hub Cap Components		
Part No.	Description	Torque
359-6032	#8 Torx Screw	25 in. lbs. Maximum
359-5984	3/8" Mag Plug	5-9 ft. lbs. Maximum
359-5985	3/8" Pipe Plug	5-9 ft. lbs. Maximum

# 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 that 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.

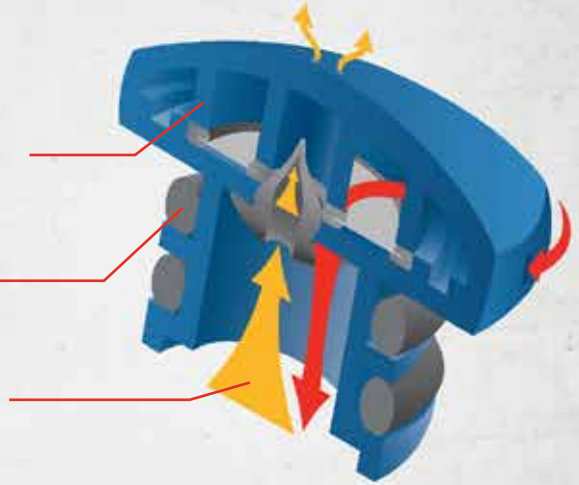
### **Sentinel® ESP Filtered Vent**

Drive axles to be retrofitted to benefit from STEMCO's exclusive Sentinel® Technology.



## How Sentinel® Technology Works

- To relieve vacuum, the Sentinel® 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.
- An added O-ring increases plug retention.
- To relieve pressure, the Sentinel® 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.



## Sentinel® Technology

- 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® Hub Cap

STEMCO Base Part No.	Oil Cap	Grease Cap	Bolt Circle	Bolt Size	No. of Bolts	Gasket No.	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 No.	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



# Hub Cap Specifications



## Sentinel® ESP (EXTENDED SERVICE PLUG)

STEMCO Part No.	Description
359-6124	ESP Plug Blister Pack (2/pk)
359-6125	ESP Plugs Bulk Pack of 50



## Sentinel® ESP Filtered Vent

STEMCO Part No.	Description
359-6137	Drive Axle Breather Vent (3/8" adapter)



350-4065

## Hub Caps with Sentinel® ESP Plug

Sentinel® ESP Part No.	Description	Bolt Circle	Bolt Size	No. of Bolts	Gasket Part No.
350-4065 <sup>1</sup>	4065 Cap, no side fill plug	3-5/8"	5/16"	4	330-3040
353-4065 <sup>1</sup>	4065 Cap, with side fill plug	3-5/8"	5/16"	4	330-3040

<sup>1</sup> 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 Part No.	Description	Bolt Circle	Bolt Size	No. of Bolts	Gasket Part No.
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	343-4373
4075	340-4371	343-4371	343-4374
4195	340-4372	343-4372	343-4375
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.

## 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	<sup>2</sup>	1 7/8"

<sup>2</sup> 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 No.	Prefix												
	4009	4013	4024	4046	4075	4095	4195	4249	4281	4370	4371	4372	
Standard Hub Cap, No Side Fill	340	■	■	■	■	■	■	■	■		■	■	■
Dirt Exclusion, Grease	342	■	■	■		■	■	■	■				
Standard Hub Cap, Side Fill	343	■	■	■	■	■	■	■	■		■	■	■
Standard Hub Cap, Hubo Window	347	■	■			■	■	■					
Sentinel® Hub Cap	348	■	■		■	■	■	■		■			
Sentinel® Hub Cap Grease	349	■	■		■	■	■	■		■			
Solid Aluminum Grease / Vented	352	■					■	■					
Integrated Sentinel® Oil	356	■	■	■	■	■	■	■					
Integrated Sentinel® Grease	358	■	■	■	■	■	■	■					
Bolt Circle		5-1/2"	5-1/2"	4-1/2"	5-1/2"			6-3/4"	5-1/2"	5-17/32"	5-1/2"		6-3/4"
Bolt Size		5/16"	5/16"	5/16"	5/16"	6-1/4" x 8 UN(M)	5-1/2" x 5/16"	5/16"	5/16"	3/8"	5/16"	6-1/4" x 8 UN(M)	5/16"
Number of Bolts		6	5	6	6			6	6	6	6		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 <sup>1</sup>	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 <sup>2</sup>	4-1/2"	5/16"	6	2"	1-15/16"	3-5/16"	5-3/16"	330-3024

<sup>1</sup> With Dirt Exclusion Vent

<sup>2</sup> 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
362-4009 <sup>1</sup>	5-1/2"	5/16"	6	330-3009
362-4195 <sup>1</sup>	6-3/4"	5/16"	6	330-3118

<sup>1</sup> No Duckbill Vent



352-4195

## Non-Vented Grease Hub Caps

STEMCO Part No.	Application	Bolt Circle Diameter	Bolt Size	No. of Bolts	Gasket Number
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 <sup>1</sup>
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



342-4009

<sup>1</sup> 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 No.	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.

## Vented 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



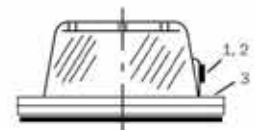
640-0001



640-0003

## Accessories

Description	Part No.
1 - Pipe plug with O-ring	641-0001
2 - Magnetic Pipe Plug	359-5984
3 - Supporting hub cap flange 6 hole	641-0003

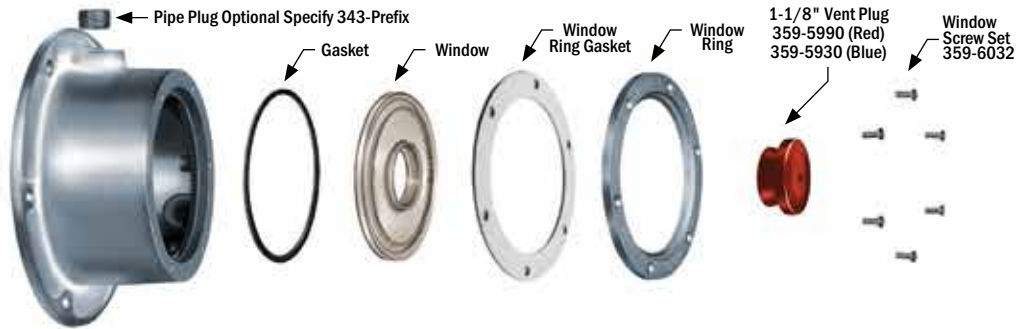


# Hub Cap Specifications

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



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



### Standard Hub Cap Replacement Components

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

- 1 Window kit consists of window, gasket, window ring gasket and vent plug.
- 2 Magnetic pipe plug part number 359-5984.
- 3 5 hole window ring.
- 4 Blue vent plug part number 359-5930.
- 4 Window with recessed vent plug.
- 4 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 7	359-6096

- 7 Two sets required.

### Sentinel® Hub Cap Replacement Components

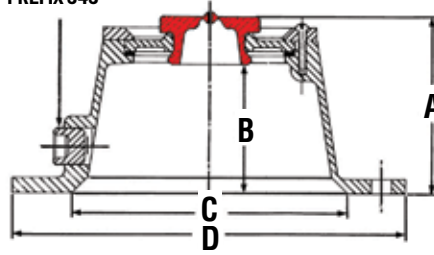
Window Diameter	Window Kit 8	Gasket	Window Ring Gasket	Screw Set 6/Set	Magnetic Pipe Plug
3-1/2"	359-6112 9	359-5991	359-3127	359-6032	359-5984
3-1/2"	359-6120 10	359-5991	359-3127	359-6032	359-5984

- 8 Window kit consists of window, gasket, window ring with gasket and Sentinel® red cap cover part number 359-6103.
- 9 Window kit for oil application.
- 10 Window kit for grease application.

# Hub Cap Specifications

## Blank Hub Caps

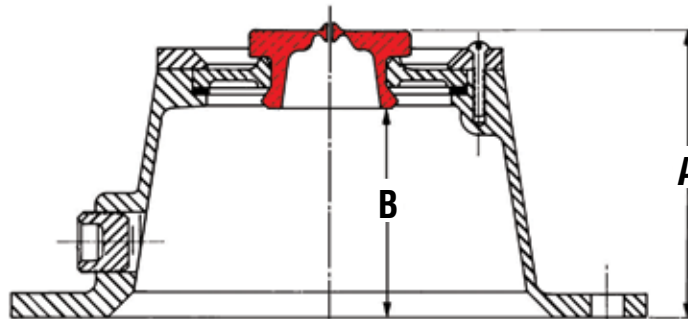
IF PIPE PLUG IS  
REQUIRED USE  
PREFIX 343-



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 <b>■</b>	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 <b>■</b>	1-11/16"	1-13/16"
340-4046	1-9/16"	2-5/16"
340-4281 <b>■</b>	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

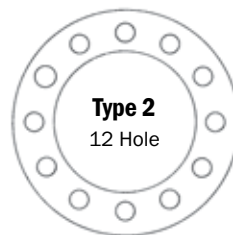
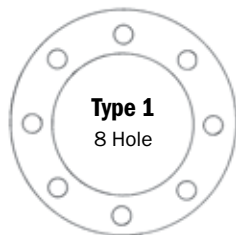
Cap No.	Inside (B)	Outside (A)
340-4036	1-5/8"	2-3/8"
340-4092	1-7/16"	1-5/8"
343-4025	5/8"	1-3/8"

**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



STEMCO Gasket No.	Type	I.D.	O.D.	Bolt Circle	Bolt Size	Number 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	E 2340	All Meritor Standard Q wheel ends except some SQHP.
	Meritor	2208Z416	
	White	476375	
330-3106	Euclid	E 2341	All Meritor Standard R wheel ends.
	Meritor	2208W412	
330-3107	Euclid	E 2431	All E18, E19, E38D & 44D series.
	Meritor	2208X440	
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	E 2435	All Meritor Standard R wheel ends, STD series, SUD series, U wheel ends, SFD 4600, SQHP, SQ100, SQ100P, 4640 Eaton.
	Meritor	2208W413	
	Kenworth	K134 - 171	
	White	453157	
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	E 2438	Meritor Standard L wheel ends except L-172, SJHD, SLHD.
	Meritor	2208Z422	
	White	467836	
330-3115	G.M.C.	236Z158	Fits 1965 - 1974 G.M.C. - Chev. 18000# Single or 34000# Tandem Eaton 14569.

# DEFEND YOUR WHEEL END



## DEFENDER™

### **100% Corrosion Free Hub Cap**

Stainless Steel Reinforcement Inserts

### **Protection Against Water and Contamination**

Available with Sentinel® Technology

### **No More Window Leaks**

Exceptional chemical bond between the hubcap body and window for strength and no leaks

### **Superior Sealing Performance**

Between hub cap and hub due to offset sealing boss on flange

### **Longer Life Wheel End**

Magnetic plug option pulls abrasive material away from critical components

## Superior Design

- Permanent Window Bond**  
 Ultrasonically welded for maximum contaminant exclusion
- Sealing Ring**  
 Added line of defense against contaminants
- Reinforcement Insert**  
 Offers structural integrity even under the most grueling conditions
- Corrosion Free Materials**  
 Composite materials reinforced with stainless steel inserts make for a durable and long-lasting hubcap that is extremely resistant to impact and corrosion.

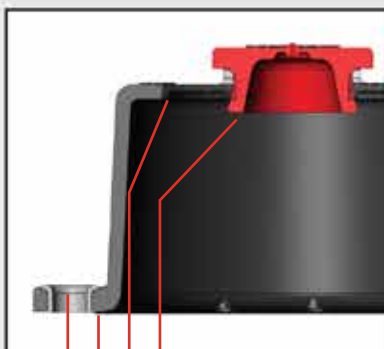
## Options

- Window Options**  
 Oil OR Grease
- With or Without Side Fill Plug**
- Designed for Easy Hubodometer Bracket Installation**  
 Integrates seamlessly with other STEMCO Wheel End products like the Hubodometer, DataTrac Pro, and TracBat.
- Sentinel Technology – Contaminant Resistant Tamper Free**  
 Removable Plugs (Red Plug or ESP)  
 Sentinel Technology



## Defender™ Hub Cap Cross Reference

SKF Cross Reference	Aluminum Part No.	Defender Part No.	Description	QTY
1612	<b>300-4024</b>	360-4024	Red Rubber Plug "FF" - Bulk	20
1612	<b>340-4024</b>	361-4024	Red Rubber Plug "FF"	1
1612	<b>303-4024</b>	363-4024	Red Rubber Plug - "FF" - w/ side fill - Bulk	20
1612	<b>343-4024</b>	364-4024	Red Rubber Plug - "FF" - w/ fill plug	1
1612	<b>356-4024</b>	366-4024	Sentinel Oil - "FF" w/ magnetic fill plug - Bulk	20
1612	<b>356-4024</b>	367-4024	Sentinel Oil - "FF" w/ magnetic fill plug	1
1612	<b>358-4024</b>	369-4024	Sentinel Grease "FF"	1
1643	<b>300-4009</b>	360-4009	Red Rubber Plug "N" - Bulk	20
1643	<b>340-4009</b>	361-4009	Red Rubber Plug "N"	1
1643	<b>303-4009</b>	363-4009	Red Rubber Plug "N" w/ side fill - Bulk	20
1643	<b>343-4009</b>	364-4009	Red Rubber Plug "N" w/ fill plug	1
1643	<b>356-4009</b>	366-4009	Sentinel Oil - "N" w/ magnetic fill plug - Bulk	20
1643	<b>356-4009</b>	367-4009	Sentinel Oil - "N" w/ magnetic fill plug	1
1643	<b>358-4009</b>	368-4009	Sentinel Grease "N" - Bulk	20
1643	<b>358-4009</b>	369-4009	Sentinel Grease "N"	1
1696	<b>340-4195</b>	360-4195	Red Rubber Plug "P" - Bulk	20
1696	<b>340-4195</b>	361-4195	Red Rubber Plug "P"	1
1696	<b>343-4195</b>	363-4195	Red Rubber Plug "P" w/ side fill - Bulk	20
1696	<b>343-4195</b>	364-4195	Red Rubber Plug "P" w/ fill plug	1
1696	<b>356-4195</b>	366-4195	Sentinel Oil - "P" w/ magnetic fill plug - Bulk	20
1696	<b>356-4195</b>	367-4195	Sentinel Oil - "P" w/ magnetic fill plug	1
1696	<b>358-4195</b>	368-4195	Sentinel Grease "P" - Bulk	20
1696	<b>358-4195</b>	369-4195	Sentinel Grease "P"	1



- Vent
- Permanent Bond
- Sealing Ring
- Stainless Steel Insert



- Vent
- Side Fill Plug
- Stainless Inserts

# PROGRAMMABLE FOR ANY TIRE SIZE



DataTrac® Pro Shown Actual Size

## DataTrac® PRO



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.

## 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 and 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 four years, when installed in accordance with its specifications.

## An Indispensable Tool for:

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

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

## Application Cross-Reference

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



# RELIABLE MILEAGE INFORMATION WITH GUARANTEED ACCURACY



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.

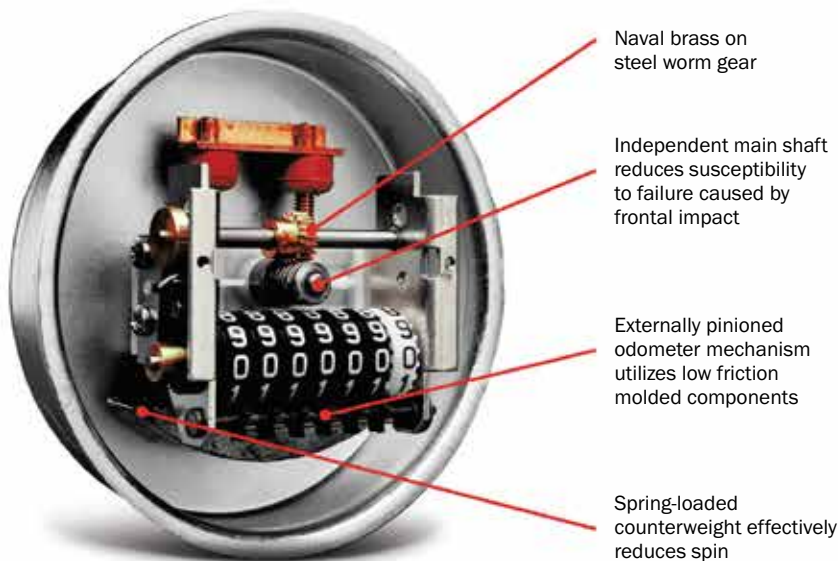
### **500,000 Mile Warranty**

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

## 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 staff 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 three working days from the Longview, Texas warehouse. For more information, contact STEMCO Customer Service.

## Warranty

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

## Hub Caps & Brackets

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.



Aluminum Hub cap with Hubo Window



Grilamid Hubodometer® Hub Cap



Bracket Installation

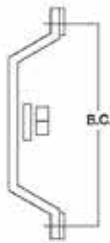
# Hubodometer® Specifications

## Popular Hubodometers® (in order of popularity)



Part No.	RPM	Blank Tenths Part No.	Part No.	RPKM	Install Torque
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	

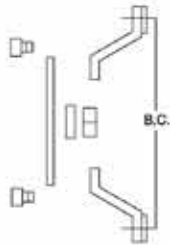
## Hubodometer® Brackets



Style A



Style C



Universal Mount

Part No.	Bolt Circle	Stud Size	Height	Description	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"	3/4"	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 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 - 4 Leg	
6100029	6-3/4"	5/16"	6"	Sentinel, PSI, AirGo Caps - 4 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 - 4 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

▣ Vented

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

# 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.

### **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.

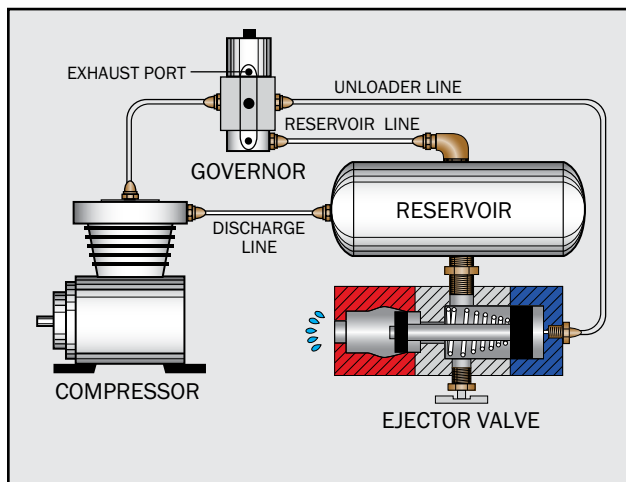
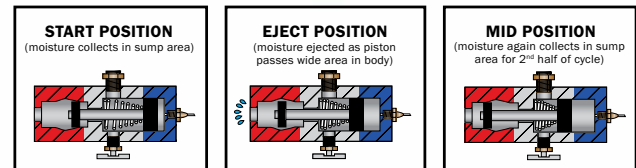
### **Reliable Operation**

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.

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

### How the Product Operates

- 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.
  - The actuating end connects to the governor unloader port or brake actuating line.
  - 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.



### STEMCO Moisture Ejector

Description	Part No.
Ejector w/Threaded End Cap	900-1062
Special-Mounting Nipple (1/4" N.P.T.)	900-1069
Ejector Rebuild Kit	900-1080

### 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.P.T. 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.

### 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.



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

Recognizing 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.

### **Single Body with Interchangeable Heads**

The STEMCO Universal Tool saves space and is easy to use.

### **Built to Last**

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

### **Easier Handling**

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

### **Simplifies Installations**

Simplifies Standard, Grit Guard®, and Guardian® ring installation for quicker turnarounds.

## 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 1	663	3.250	555-5100
307-0723 1	HM518445	3.500	555-5023
307-0743 1	HM218248	3.542	555-5039
307-0744	665A	3.375	555-5069
308-0836 1	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 1	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 1	580/582	3.250	555-5072
309-0904 1	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 1	594/594A	3.750	555-5076
	598/598A	3.625	555-5071
381-0148 2	H414245A	2.688	555-5291
381-0150 2	HM212047	2.500	555-5295
391-0138 2	32219	3.740	555-5292
391-0139 2	32216	3.150	555-5296
391-9066 2	594A	3.750	555-5076

1 HP Design  
2 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
	372-7046	28995	2.469	555-5052
310-1008	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
310-1017	None	663	3.250	555-5100
	382-8017	39581	2.250	555-5062
310-1018	392-9018	495AX	3.000	555-5074
	392-9057	495AX	3.000	555-5074
310-1022	392-9057	33287	2.875	555-5011
	372-7022	593	3.500	N/A
310-1023	372-7024	749, 749S	3.347	555-5024
	None	HM518445	3.500	555-5023

Axle Ring	Seal Set	Inner Bearing Cone Number	Inner Bearing Cone ID or Spindle OD	Universal Axle Tool Head
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
	372-7006	567	2.875	555-5011
310-1036	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
310-1041	382-8060	5760, 6461	3.000	N/A
310-1043	372-7015	759	3.500	555-5023

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
310-1045	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
	392-9032	580	3.250	555-5072
310-1053	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
310-1103	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
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		
	383-8239	HM212011/ HM212049	2.625	N/A
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
	392-9087	681A	3.625	555-5071
315-1502	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

Axle Ring	Seal Set	Inner Bearing Cone Number	Inner Bearing Cone ID or Spindle OD	Universal Axle Tool Head
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
		687, 780	4.000	555-5004
315-1516	392-9089	594, 594A	3.750	555-5076
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

## 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	555-5061	HM212044 557A	308-0836 310-1036	555-5074	47678 5760 495AX 42688 575	309-0912 309-0957 310-1012 310-1018 310-1053 310-1117 315-1501
555-5002	33281	309-0935 310-1062	555-5062	39581 387AS 7451929	308-0836 308-0863 310-1017 310-1036 310-1068 310-1104		555-5076	594A 594 693 683XA 683 598A
555-5004	687 780	309-0948 315-1516 310-1067		555-5064	45284	308-0863 310-1008 310-1036		555-5079
555-5007	6461A	308-0864 310-1026 <sup>1</sup> 310-1037	555-5066	HM212047	308-0836 310-1034 310-1036	555-5081		310-1007
555-5011	33287 567	309-0935 309-0957 310-1036 310-1062	555-5067	756A	310-1028	555-5088	JM207049	308-0866 310-1008
555-5014	6379	310-1013	555-5069	665A 758	307-0744 310-1037 310-1095 315-1510	555-5089	JM205149	308-0866 310-1008
555-5016	782, 787	310-1089 315-1506	555-5070	H715345	308-0853 308-0856 310-1093	555-5098	HM212049,-X	308-0836 310-1036
555-5023	HM518445 759 6580 592A 593	307-0723 310-1023 310-1043 310-1066 310-1130 315-1503	555-5071	598 598A 681A	309-0960 309-0965 309-0970 309-0973 310-1026 310-1028 310-1079 310-1111 315-1502 315-1508 315-1525 315-1530	555-5100	663, 6386	307-0713 310-1013 310-1028 315-1507
555-5024	749 749S	310-1005 315-1503		555-5072	H715345 580 582 663-A, HM516449,-A 595 598 6559	308-0856 309-0903 309-0904 309-0961 309-0965 310-1007 310-1026 310-1028 310-1053 310-1066 310-1088 310-1093 315-1508 315-1509 315-1511 315-1515	555-5291	H414245A
555-5031	47685 47686 663	309-0912 309-0915 310-1012 310-1027 310-1057 310-1091 310-1117 315-1501	555-5073		HM516449A	315-1519	555-5292	32219
555-5036	45284, 45285	310-1052				555-5295	HM212047	381-0150
555-5039	HM218248	307-0743 310-1048 315-1504				555-5296	32216	391-0139
555-5052	28995	310-1008				555-5297	JF7049A	308-0870
555-5054	188931	310-1068 310-1104						
555-5055	JM511946	310-1064						
555-5060	641 HM212049 6386A 6386 6389	308-0853 308-0855 310-1009 310-1013 310-1093						

<sup>1</sup> 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.

Seal Section

Component Specs

Installation Tools

Axle Fasteners

Long-Life Systems

Cross Reference

Installation Instructions

# 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

Oil Seal	Hub Tool	Hub-Seal Sets
320-2097	551-5400	392-9089
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® Number

Voyager®/Discover®	Hub Tool
373-0113	551-5313
373-0213	
373-0123	551-5401
373-0223	
373-0143	551-5412
373-0243	
373-0144	551-5339
373-0191	
383-0101	551-5420
383-0136	
383-0236	551-5346
383-0139	
383-0239	551-5413
383-0153	
383-0156	551-5419
383-0164	
383-0264	551-5344
383-0166	
383-0171	551-5327
383-0175	
	551-5423
	551-5403
	551-5417

Voyager®/Discover®	Hub Tool
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	
393-0148	551-5421
393-0173	
393-0273	551-5400
320-2058	
320-2059	551-5320
320-2061	
320-2072	551-5303
320-2077	
320-2086	551-5317
320-2091	
320-2096	551-5356
	551-5308
	551-5362
	551-5311
	551-5312
	551-5390

Use Universal Tool Body 555-0001 with 555 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	320-2009	373-0191		
	373-0213	320-2061	373-0223		
	320-2109	320-2115	320-2216		
551-5317	320-2059	551-5362	320-2077	551-5403	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	373-0243	
551-5323	320-2111	551-5383	320-2104	551-5413	383-0139
551-5325	320-2117	551-5385	320-2028	551-5414	383-0239
551-5327	320-2137	551-5386	320-2029		393-0104
	383-0164	551-5387	320-2034	393-0204	
	383-0264	551-5388	320-2031	551-5415	393-0103
551-5333	320-2162		320-2032	393-0203	
551-5339	373-0144		320-2046	551-5416	393-0112
551-5344	320-2199		320-2125	393-0212	
	383-0156	551-5390	320-2096	551-5417	383-0175
551-5346	320-2036	551-5393	320-2129	551-5418	383-0176
	383-0136		383-0103	551-5419	383-0153
	383-0236		383-0203	551-5420	383-0101
551-5347	320-2050	551-5395	320-2039	551-5421	393-0134
551-5349	320-2181	551-5398	320-2001	551-5423	383-0166
			320-2041	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 Tool Body 555-0001 with 555 Series Tool Heads.**

## Bearing Guides By Cone Number

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

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.

## Miscellaneous Tools

Tool	Tool No.	Tool	Tool No.
Dial Indicator	102-5003	Grease Template Fill Tool	359-4000

# Heavy Duty Axle Tools

## Heavy Duty Axle Tools By Guardian® Seal Number

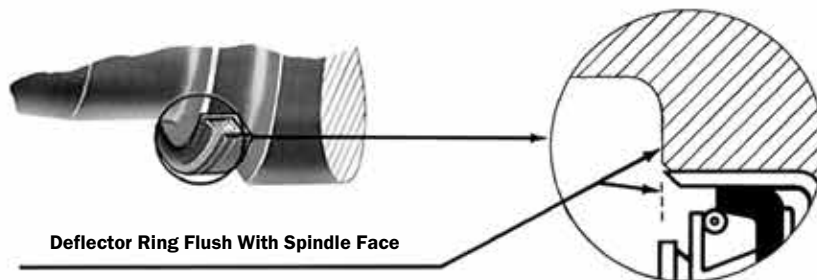
Guardian® Seal	Inner Cone	Outer Cone	Tool Number
307-0713 <span style="border: 1px solid black; padding: 0 2px;"> </span>	663	560	552-5212
		HM212049	552-5359
307-0723 <span style="border: 1px solid black; padding: 0 2px;"> </span>	HM518445	HM518445	552-5239
307-0743 <span style="border: 1px solid black; padding: 0 2px;"> </span>	HM218248	HM212049	552-5236
307-0744	665A	HM212049	552-5233
308-0836 <span style="border: 1px solid black; padding: 0 2px;"> </span>	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 <span style="border: 1px solid black; padding: 0 2px;"> </span>	6461A	555S	552-5220
		3979	552-5220
309-0903 <span style="border: 1px solid black; padding: 0 2px;"> </span>	580	567	552-5221
		582	552-5221
309-0904 <span style="border: 1px solid black; padding: 0 2px;"> </span>	663	575	552-5226
		HM516449-C	47679
309-0912	47685	39590	552-5359
		47686	39590

Guardian® Seal	Inner Cone	Outer Cone	Tool Number	
309-0915	47685	39590	552-5359	
		47686	39590	552-5359
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	
		758	552-5215	
		665	552-5215	
		HM617049	552-5215	
309-0970	681A	575/580	552-5214	
		683	580	552-5216
		683AX	580	552-5216
309-0973 <span style="border: 1px solid black; padding: 0 2px;"> </span>	598A	580	552-5214	
		575	552-5215	
		594	580	552-5216
		594A	580	552-5216

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


**Note:** If heavy duty tool is not listed for a specific ring/seal use the 555 series tool head for that application.


  HP Design




# Heavy Duty Axle Tools

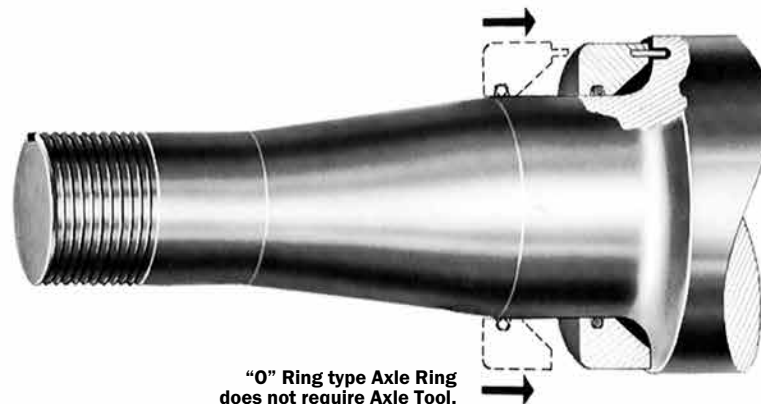
## Heavy Duty Axle Tools By Axle/Deflector Ring Number

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	39250	4395	552-5231
	382-8025	557A	3782	552-5206
	382-8036	HM212044 HM212047 HM212049,-X	3782	552-5206 552-5230 552-5288
310-1037	None	665A	HM212049	552-5233
	382-8064	6461A	555S, 3979	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	552-5242
			2790	552-5243
310-1064	372-7048	3984	462	552-5247
	372-7049	JM511946	JM205149	552-5273
	392-9038	3984	462	552-5247
310-1088	None	663, HM516449	575, 47679	552-5226
310-1091	None	47685, 47686	39590	552-5359
310-1093	382-8053	H715345	3979, 28682	552-5223
	382-8056	H715345	28682, 555S	552-5223
	None	580, 582	567	552-5221
	None	594	580	552-5216

Axle Ring/ Deflector Ring	Set Number	Inner Cone	Outer Cone	Tool Number
310-1111	None	598A	582	552-5214
	None	681A	580	552-5214
		683	580	552-5216
	None	598A	580	552-5214
		598	575	552-5215
	594, 594A	560, 580	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	580	552-5214
		683	580	552-5216
		681A	575	552-5215
	392-9132	598A	582	552-5214
392-9131	598	575	552-5215	
	594, 594A 598A	580	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	575	552-5215
		594, 594A	580	552-5216
		598A	580	552-5214

**Note:** If heavy duty tool is not listed for a specific ring/seal use the 555 series tool head for that application.

 Discontinued



# Heavy Duty Axle Tools

## Heavy Duty Axle Tools By Tool Number

Tool Number	Inner Cone	Outer Cone	Deflector Ring	Tool Number	Inner Cone	Outer Cone	Deflector Ring
552-5214	598A, 681A	580, 582, 575	309-0970 309-0973 315-1502 315-1525 315-1530	552-5223	H715345	3979, 28682	308-0853 308-0855 308-0856 309-0903 310-1093
552-5215	598, 598A, 681A	575	309-0965 309-0973 310-1026 315-1502 315-1508 315-1525 315-1530	552-5226	663, HM516449,-C	575, 47679	309-0904 310-1007 315-1515
552-5216	594A, 594, 683, -XA	HM516449, 580, 560, 582, 575	309-0960 309-0964 309-0970 309-0973 310-1093 315-1502 315-1517 315-1525	552-5230	HM212047	3779, 45282	310-1034
552-5220	6461A	555S, 3979	308-0864 310-1037	552-5233	665A	HM212049, 641	307-0744 315-1510
552-5221	580, 582	567, 575	308-0856 309-0903 310-1053 315-1511	552-5236	HM218248	HM212049	307-0743 315-1504
				552-5239	HM518445	HM518445	307-0723 310-1023 315-1503
				552-5288	HM212049, -X, X1	3782	308-0836 310-1036
				552-5359	663, 47685, 47686	560, HM212049, 39590	307-0713 309-0912 309-0915 310-1012 310-1013 310-1057 310-1117 315-1501 315-1507

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

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

# 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 the tight control on wheel bearing adjustment from PRO-TORQ®, 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.

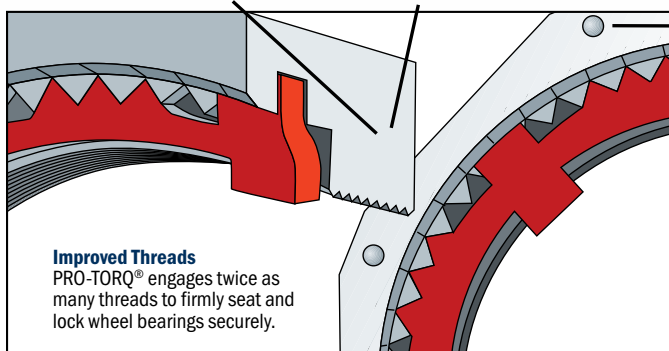
### **Improves ABS**

Reliable low end play bearing adjustment and axial motion control with PRO-TORQ® helps ensure accurate wheel end sensor monitoring of wheel speeds on antilock braking systems.

	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 <i>*Axle date code post January 1, 2006</i>	450-4723	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	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	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 <i>*Axle date code prior to January 1, 2006</i>	450-4973	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	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	1-1/2" – 18	3782/3720	2-1/2" – 6 point (OTC# 1921)
	<b>STEMCO No. 448-4838</b> Meritor	450-4837	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	1-5/8" – 12	45280/45220	2-5/8" – 6 point (OTC# 1922)
	<b>STEMCO No. 448-4864</b> 18,000#, 20,000# Mack	450-4864	2" – 12	555S/552A	3" – 6 point (OTC# 1906)
	<b>STEMCO No. 448-4865</b> Meritor FL Series	450-4865	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	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	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	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	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.

## PRO-TORQ®

### 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.



# ADVANCED AXLE SPINDLE FASTENER



### **Simplified & Fully Unitized Design**

Fully unitized design means no special tooling is required. No clips, keepers, snap rings, or screws to install.

### **Free Spinning**

ZIP-TORQ™ free spins onto the axle, engaging the extra wide tang with the axle keyway.

### **Prevents Back Off**

Locking features prevent back off.

### **Secure Adjustment, Easy Removal**

The fastener cannot be rotated by hand after wheelend adjustment is complete. Once the locking features are disengaged, the fastener is removable by hand.

### **Consistent Endplay**

2-1-1 adjustment provides consistent endplay measurement of between .001" - .005", which matches TMC recommendations.

## ZIP-TORQ® Cross Reference

Zip-Torq® Part No.	Description	Thread Size	Outer Bearing Cone/Cup	Tool Socket	Pro-Torq® Cross Ref.
<b>Trailer Axle</b>					
400-4723	"P" Parallel Trailer 22,500#	3.480" -12	HM518445/ HM518410 SET415	4-1/8" Six Point (OTC# 1915)	447-4723
400-4743	"N" Tapered Trailer 17,000# - 22,500#	2-5/8" -16	HM212049/ HM212011 SET413	3-1/4" Six Point (OTC# 1908)	447-4743
<b>Steer Axle</b>					
400-4836	"FF" Steer 12,000#	1-1/2" -12	3782/3720 SET406	2-1/8" Six Point (OTC# 1976)	448-4836
400-4837	"FF" Steer 12,000#	1-1/2" -18	3782/3720 SET406	2-1/8" Six Point (OTC# 1976)	448-4837
<b>Drive Axle</b>					
400-4973	"R" Drive 34,000# - 46,000#, 50,000#	3-1/4" -12	580/572 SET401	4" Six Point (OTC# 1914)	449-4973

## ZIP-TORQ® Features



### Superior Wear Resistance

Bearing contact surface is induction hardened.  
No washers required.

### Flat Contact Surface

Improves wheel bearing cup and cone alignment.

### Infinite Locking Positions

Nut and spring steel keeper mate and lock at any point on the axle spindle in .002" axial increments.

### Highly Visible Adjustment Marks

Give mechanics precise control of nut backoff amount during installation.

## How Does ZIP-TORQ® Work?

The STEMCO ZIP-TORQ® axle fastener is the latest innovation from STEMCO. ZIP-TORQ is a unitized spindle nut that uses a patented self-locking ratchet system to secure the wheelend and prevent back off. ZIP-TORQ consistently delivers accurate endplay between .001" - .005" using the STEMCO 2-1-1 method.

### Unitized Design

Increased simplicity and safety for end users gives you the confidence that your installation will be done right, every time.

### Highly Compatible

While ZIP-TORQ is an innovative new product, you won't need to purchase new equipment to install your axle fasteners because ZIP-TORQ is compatible with most automated installation equipment.

### Reliably Consistent

Works with preset and endplay applications. ZIP-TORQ minimizes variability in wheel bearing adjustment, which means extended maintenance intervals and trouble-free performance from steer, drive and trailer axle wheel ends.

### Easy & Fast Install

ZIP-TORQ meets or exceeds the installation time of PRO-TORQ®, meaning even faster scheduled maintenance is possible.

### Extend Your Warranty

ZIP-TORQ is also compatible with STEMCO PPS+ programs, so you can still package your wheelend products to get the best warranty offered in the industry.

### Install with Confidence

STEMCO offers installation videos and manuals online – available in the STEMCO app and on the website.

### Learn More about 2-1-1 Installation Instructions

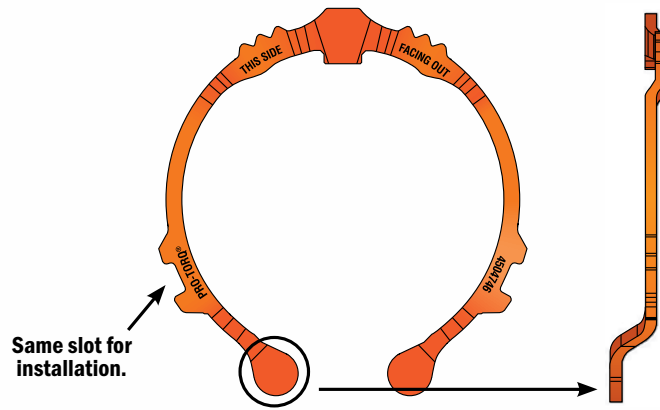
See detailed ZIP-TORQ installation instructions at [www.stemco.com/211](http://www.stemco.com/211)



STEMCO  
YouTube  
Channel

[goo.gl/Kof09t](https://goo.gl/Kof09t)

# PRO-TORQ® Trailer Axle Fasteners



**Protrusion Feature**  
Prevents Backward Installation

**450-4743** Updated Design  
**450-4723** Updated Design  
**449-4973** Updated Design

## TRAILER AXLE FASTENERS **447-4723**

<b>Replacement Keeper No.</b>	450-4723 TANG
<b>Tool Socket</b>	4-13/16" – 8 point (OTC# 1941)
<b>Thread Size</b>	3.480" – 12
<b>Outer Bearing Cup/Cone</b>	HM518445/ HM518410

### ▼ Axles ▼

<b>Dana Spicer</b>	P-22 <input type="checkbox"/>
<b>Fruehauf</b>	PROPAR Series
<b>Hendrickson</b>	HP
<b>Ingersoll</b>	F24H
<b>Meritor</b>	TP Series

Axle date code Prior to Jan. 1, 2006

## TRAILER AXLE FASTENERS **447-4724**

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

### ▼ Axles ▼

<b>Eaton</b>	EST 230-P, EST 225-P, P-22
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## TRAILER AXLE FASTENERS **447-4743**

<b>Replacement Keeper No.</b>	450-4743 TANG
<b>Tool Socket</b>	3-3/4" – 8 point (OTC# 1925)
<b>Thread Size</b>	2-5/8" – 16
<b>Outer Bearing Cup/Cone</b>	HM212049/ HM212011

### ▼ Axles ▼

<b>Dana Spicer</b>	D-20, D-21, D-22, DD-21, DD-22, K-21, K-22, K-25, K-30
<b>Eaton</b>	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

<b>Hendrickson</b>	HN
<b>Ingersoll</b>	A22T
<b>Meritor</b>	RL Series, RQ Series, TK Series, TKL Series, TKLD Series, TL Series, TLD Series, TN Series, TND Series, TQ Series, TQC Series, TQD Series

<b>Standard Forge</b>	A25, A26, 17,000 and 18,000 lb. Trade
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## TRAILER AXLE FASTENERS **448-4836**

<b>Replacement Keeper No.</b>	450-4836 D-FLAT
<b>Tool Socket</b>	2-1/2" – 6 point (OTC# 1921)
<b>Thread Size</b>	1-1/2" – 12
<b>Outer Bearing Cup/Cone</b>	3782/3720

### ▼ Axles ▼

<b>Dana Spicer</b>	D10
<b>Eaton</b>	X-115
<b>Fruehauf</b>	Model 5, TKF
<b>Meritor</b>	T-1100
<b>Standard Forge</b>	T 8.5-S

## TRAILER AXLE FASTENERS **449-4973**

<b>Replacement Keeper No.</b>	450-4973 TANG
<b>Tool Socket</b>	4-3/8" – 8 point (OTC# 1917)
<b>Thread Size</b>	3-1/4" – 12
<b>Outer Bearing Cup/Cone</b>	580/572 HM518445/ HM518410 <input type="checkbox"/>

### ▼ Axles ▼

<b>Dana Spicer</b>	EST-230-P, P-22 TQ <input type="checkbox"/>
<b>Meritor</b>	TR

Axle date code Prior to Jan. 1, 2006

# PRO-TORQ® Steer Axle Fasteners

## STEER AXLE FASTENERS

### 448-4836

<b>Replacement Keeper No.</b>	450-4836 D-FLAT
<b>Tool Socket</b>	2-1/2" – 6 point (OTC# 1921)
<b>Thread Size</b>	1-1/2" – 12
<b>Outer Bearing Cup/Cone</b>	3782/3720

#### ▼ Axles ▼

<b>Meritor</b>	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
<b>NAVISTAR</b>	I100S

## STEER AXLE FASTENERS

### 448-4838

<b>PRO-TORQ Fastener Number</b>	448-4836 TANG
<b>Replacement Keeper No.</b>	450-4837
<b>Tool Socket</b>	2-1/2" – 6 point (OTC# 1921)
<b>Thread Size</b>	1-1/2" – 12
<b>Outer Bearing Cup/Cone</b>	3782/3720

#### ▼ Axles ▼

<b>Meritor</b>	Steer
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## STEER AXLE FASTENERS

### 448-4863

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

#### ▼ Axles ▼

<b>ArvinMeritor® FH</b>	Steering Spindle 16,500 lbs GAW
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## STEER AXLE FASTENERS

### 448-4837

<b>Replacement Keeper No.</b>	450-4837 TANG
<b>Tool Socket</b>	2-1/2" – 6 point (OTC# 1921)
<b>Thread Size</b>	1-1/2" – 18
<b>Outer Bearing Cup/Cone</b>	3782/3720

#### ▼ Axles ▼

<b>Eaton</b>	EFA-12F4, EFA-13F5, E-1200I, FE 931, 12K, 13.2K
<b>Ford</b>	SIFCO 12,000 lb., FORD 6,000 lb.
<b>Meritor</b>	FE-931

## STEER AXLE FASTENERS

### 448-4839

<b>Replacement Keeper No.</b>	450-4839 D-FLAT
<b>Tool Socket</b>	2-5/8" – 6 point (OTC# 1922)
<b>Thread Size</b>	1-5/8" – 12
<b>Outer Bearing Cup/Cone</b>	45220/45280

#### ▼ Axles ▼

<b>Mack Front</b>	FAW12, FAWL12, FAW537, FAW5371, FAW14.3, FAW538, FAW10.5, FAW536, FAW5361
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## STEER AXLE FASTENERS

### 448-4864

<b>Replacement Keeper No.</b>	450-4864 D-FLAT
<b>Tool Socket</b>	3" – 6 point (OTC# 1906)
<b>Thread Size</b>	2" – 12
<b>Outer Bearing Cup/Cone</b>	552A/555S

#### ▼ Axles ▼

<b>Mack Front</b>	FA18, FAW18, FAW616, FA616, FA20, FAW20, FAW617, FA617, FAW16, FAW614
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## STEER AXLE FASTENERS

### 448-4840

<b>Replacement Keeper No.</b>	450-4836 D-FLAT
<b>Tool Socket</b>	2-1/2" – 6 point (OTC# 1921)
<b>Thread Size</b>	1-1/2" – 18
<b>Outer Bearing Cup/Cone</b>	3782/3720

#### ▼ Axles ▼

<b>Hendrickson Auxiliary</b>	13,000# Ultra Axle
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## STEER AXLE FASTENERS

### 448-4865

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

#### ▼ Axles ▼

<b>Meritor Front</b>	FL
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# PRO-TORQ® Drive Axle Fasteners

DRIVE AXLE FASTENERS <b>447-4743</b>	
<b>Replacement Keeper No.</b>	450-4743 TANG
<b>Tool Socket</b>	3-3/4" – 8 point (OTC# 1925)
<b>Thread Size</b>	2-5/8" – 16
<b>Outer Bearing Cup/Cone</b>	HM212049/ HM212011

▼ Axles ▼	
<b>Meritor</b>	F Series, H Series

DRIVE AXLE FASTENERS <b>449-4904</b>	
<b>Replacement Keeper No.</b>	450-4904 TANG
<b>Tool Socket</b>	4-1/8" – 6 point (OTC# 1915)
<b>Thread Size</b>	2-7/8" – 12
<b>Outer Bearing Cup/Cone</b>	563/567, 572/575, 47620/47679

▼ Axles ▼	
<b>MACK</b>	S-34, S-38, S-44, S-462, SW-56, SW-57, SW-441

DRIVE AXLE FASTENERS <b>449-4973</b>	
<b>Replacement Keeper No.</b>	450-4973 TANG
<b>Tool Socket</b>	4-3/8" – 8 point (OTC# 1917)
<b>Thread Size</b>	3-1/4" – 12
<b>Outer Bearing Cup/Cone</b>	580/572

▼ Axles ▼	
<b>Dana Spicer</b>	W 230-S, W 460-S  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
<b>Eaton</b>	
<b>MACK</b>	50,000#
<b>Meritor</b>	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, SSHP, 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
<b>NAVISTAR</b>	14227, 14308, 14309, 14311, 14338, 14342, 14943, 14348, 14364, 14368, 14494

DRIVE AXLE FASTENERS <b>449-4974</b>	
<b>Replacement Keeper No.</b>	450-4743 TANG Fits 3/8" Keyway
<b>Tool Socket</b>	3-3/4" – 8 point (OTC# 1925)
<b>Thread Size</b>	2-5/8" – 12
<b>Outer Bearing Cup/Cone</b>	3984/3920, 39590/39520

▼ Axles ▼	
<b>Eaton</b>	D, DT, 32M, 34M, MF, MR, RP, RT, 17800, 17801
<b>Ford</b>	18,000# Rear
<b>Meritor</b>	H-145, H-162, H-172, H-240, H-262, H-350, H-362, L-172
<b>NAVISTAR</b>	14044, 14186, 14351, RA44

DRIVE AXLE FASTENERS <b>449-4975</b>	
<b>Replacement Keeper No.</b>	450-4975 TANG Fits 5/16" Keyway
<b>Tool Socket</b>	3-3/4" – 8 point (OTC# 1925)
<b>Thread Size</b>	2-5/8" – 12
<b>Outer Bearing Cup/Cone</b>	3984/3920, 39590/39520

▼ Axles ▼	
<b>Dana</b>	J190S
<b>Ford</b>	
<b>GMC</b>	
<b>NAVISTAR</b>	
<b>Rear Axle School Bus Application</b>	19,000#

# PRO-TORQ® Interchange Guide

## PRO-TORQ® Advanced Axle Fasteners

Seal  
Section

Component  
Specs

Installation  
Tools

Axle  
Fasteners

Long-Life  
Systems

Cross  
Reference

Installation  
Instructions

Axilok	STEMCO
AX 12-1500	448-4836
AX 12-3250	449-4973
AX 12-3480	447-4723
AX 12-3500	447-4724
AX 16-2625	447-4743
AX 18-1500	448-4837
Batco	STEMCO
06-201	447-4743
06-203	447-4743
06-204	448-4836
06-210	448-4836
06-226	447-4723
06-348	448-4837
06-354	448-4836
06-358	448-4836
06-403	447-4743
06-404	447-4743
06-411	449-4973
06-412	449-4973
06-424	447-4743
06-425	447-4743
06-470	449-4974
06-472	449-4974
06-482	449-4973
06-484	449-4973
BWP	STEMCO
M-682	447-4743
M-684	447-4743
M-685	448-4836
M-1524	448-4836
M-1956	448-4836
M-1959	448-4836
M-1972	447-4743
M-1974	447-4743
M-1978	449-4973
M-1980	449-4973
M-1984	447-4743
M-1986	447-4743
M-1990	449-4973
M-1992	449-4973
M-1996	447-4723
Ceromet	STEMCO
150012	448-4836
150018	448-4837
262512	449-4974
262516C	447-4743
325012	449-4973
348012	447-4723
348012E	447-4724
K1501	450-4836
K1502	450-4837
K2625	450-4743
K3250	450-4973
K3480	450-4723
Dana	STEMCO
10284	447-4743
10286	447-4743
10406	447-4743
10408	447-4743

Eaton	STEMCO
F-940	447-4743
F-941	447-4743
F-1529	447-4743
F-1530	447-4743
X-115	448-4836
11249	449-4973
19186	447-4743
31927	449-4973
34090	447-4743
128333	448-4837
820394	447-4743
820395	447-4743
E-540	447-4743
E-572	447-4743
E-576	448-4836
E-1087	448-4836
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E-2299	448-4836
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E-2466	449-4973
E-2468	449-4973
E-2550	447-4723
E-4861	448-4837
E-6140	449-4973
Ford	STEMCO
D5HZ-3104A	448-4837
D7HZ-4255A	449-4974
D7HZ-4245A	449-4974
E4HS-4255-AA	449-4973
F2HS-3276-AA	448-4837
Fruehauf	STEMCO
ACE-8510-001	447-4723
530088	448-4836
K-B Axle	STEMCO
KBE-10227	447-4743
Kershaw	STEMCO
10284	447-4743
10286	447-4743
Leland	STEMCO
L-176	447-4743
L-178	447-4743
L-195	448-4836
L-1331	448-4836
L-1334	448-4836
L-1347	447-4743
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L-1355	449-4973
L-1359	447-4743
L-1361	447-4743
L-1365	449-4973
L-1367	449-4973
L-1395	447-4723

Meritor	STEMCO
A-1227-A-105	448-4836
A-1227-S-331	449-4973
1227-B-106	448-4836
1227-B-756	447-4743
1227-B-1484	447-4723
1227-C-549	447-4743
1227-E-1045	449-4974
1227-K-947	448-4837
1227-K-1389	447-4723
1227-L-194	448-4836
1227-M-715	449-4974
1227-R-330	449-4973
1227-R-1240	449-4973
1227-T-228	447-4743
1227-T-540	447-4743
1227-U-541	448-4836
1227-W-517	449-4973
1227-X-102	448-4836
1227-Z-1040	449-4974
1227-P-1160	447-4743
Navistar	STEMCO
1607743C1	448-4836
1607744C1	449-4973
2037474C1	448-4837
2501559C1	449-4974
Spicer	STEMCO
M10HN101	447-4743
M10HN102	447-4743
M10HN128	448-4836
M10HN158	447-4743
M103102-001	447-4743
Std. Forge	STEMCO
103100-1	447-4743
103102-001	447-4743
103103-002	447-4743
103104-001	447-4743
103105	448-4836
105013	447-4743
Transit	STEMCO
TP-157	448-4836
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TP-489	447-4743
TP-490	447-4743
TP-1572	449-4973
TP-1943	449-4973
TP-1970	448-4836
TP-1973	448-4836
TP-1977	449-4973
TP-1978	449-4973
TP-1988	447-4743
TP-1989	447-4743
TP-1997	447-4743
TP-1999	447-4743

# PRO-TORQ<sup>®</sup> Axle Fastener Warranty

**PRO-TORQ<sup>®</sup>**



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<sup>®</sup> 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.

### INDUSTRY CHANGING WHEEL END PERFORMANCE

### PLATINUM PERFORMANCE SYSTEM™



#### Flexible Options to Fit Your Installation Preferences

STEMCO's Platinum Performance System™ an integrated system of products and performance. With the Platinum Performance System, you can extend your wheel end to a three-year or five year limited warranty.

#### Simply The Best

Benefit from unprecedented product performance with STEMCO's exclusive patented Guardian® HP or Discover® seal; PRO-TORQ® or ZIP-TORQ® advanced axle fastener; and the tamper-proof Sentinel® hub cap. Receive extended bearing warranty by adding STEMCO heavy duty bearings.

#### Higher Performance Equals Less Maintenance

When you specify the Platinum Performance System, you are assured of performance that will protect your fleet and maintenance budget. The unprecedented performance of this STEMCO system will lower your maintenance costs by reducing down-time and protecting your wheel end investment.

#### Two Seven-Year Wheel End Offerings

The Tire Inflation package guarantees the life of the Aeris® Automatic Tire Inflation System, Guardian® HP or Discover Seal, PRO-TORQ or ZIP-TORQ axle fastener, Sentinel hub cap, and STEMCO bearings for up to seven years. The Light Weight Performance package guarantees the life of the STEMCO CentriFuse® Drum and Hub Assembly, STEMCO Crewson Automatic Brake Adjustor, as well as the wheel end products stated above for up to seven years. These long-life systems provide a seven year limited parts and labor warranty by simply adding select components to the industry leading five year Platinum Performance System Plus offering. STEMCO's Platinum Performance System is an integrated system of product and performance.

These new packages are designed to lower operating costs, reduce downtime, and increase revenue by keeping tires properly inflated and reducing weight up to 150 pounds per tandem axle trailer. The Platinum Performance Plus, Platinum Performance Plus 7 Tire Inflation and Platinum Performance Plus 7 Light Weight are for OEM Distributors only.





# Long Life Wheel Ends

## Industry's Best Parts and Labor Warranty

PLATINUM PERFORMANCE SYSTEM™	AFTERMARKET PLATINUM PERFORMANCE SYSTEM™	PLATINUM PLUS PERFORMANCE SYSTEM™	PLATINUM PLUS 7 PERFORMANCE SYSTEM™ TIRE INFLATION	PLATINUM PLUS 7 PERFORMANCE SYSTEM™ LIGHT WEIGHT
<ul style="list-style-type: none"> <li>Guardian HP or Discover Seal</li> <li>PRO-TORQ or ZIP-TORQ Axle Fastener</li> <li>Sentinel Hub Cap</li> <li>STEMCO Bearings (Optional)</li> <li>Available for Aftermarket</li> </ul>	<ul style="list-style-type: none"> <li>Guardian HP or Discover Seal</li> <li>PRO-TORQ or ZIP-TORQ Axle Fastener</li> <li>Defender Sentinel Hub Cap</li> <li>STEMCO Bearings (Optional)</li> </ul>	<ul style="list-style-type: none"> <li>Guardian HP or Discover Seal</li> <li>PRO-TORQ or ZIP-TORQ Axle Fastener</li> <li>Sentinel Hub Cap</li> <li>STEMCO Bearings</li> </ul>	<ul style="list-style-type: none"> <li>Aeris Automatic Tire Inflation System</li> <li>Guardian HP or Discover Seal</li> <li>PRO-TORQ or ZIP-TORQ Axle Fastener</li> <li>Sentinel Hub Cap</li> <li>STEMCO Bearings</li> </ul>	<ul style="list-style-type: none"> <li>STEMCO CentriFuse Drum and Hub Assembly</li> <li>STEMCO Crewson Automatic Brake Adjuster</li> <li>Guardian HP or Discover Seal</li> <li>PRO-TORQ or ZIP-TORQ Axle Fastener</li> <li>Sentinel Hub Cap</li> <li>STEMCO Bearings</li> </ul>
<b>3 Year</b>	<b>3 Year</b>	<b>5 Year †</b>	<b>7 Year †</b>	<b>7 Year †</b>

† Platinum Performance Plus, Platinum Performance Plus 7: Tire Inflation, and Platinum Performance Plus 7: Light Weight are for OEM Distributors only.

## STEMCO's Platinum Performance System™

- Lower your operating costs, reduce downtime and increase revenue.
- STEMCO Platinum Performance System Plus 7 Light Weight removes up to 150 pounds of trailer weight, dramatically increasing payload.
- Light Weight and Tire Inflation Platinum Performance Systems help improve fuel efficiency performance.

## Industry's Best Parts and Labor Warranty

When you specify the Platinum Performance System™, you are assured of performance that will protect your fleet and your maintenance costs by reducing down-time and protecting your wheel end investment. Available on both tapered and parallel axles.

The newly redesigned Guardian® HP seal, and STEMCO manufactured precision bearings allow us to confidently move from a five to a seven year warranty on wheel end components based on major improvements in reliability and durability.

## Extend Your Wheel End Performance in the Aftermarket

With the Platinum Performance System, gain a three year Aftermarket limited wheel end warranty.

Extend Your Aftermarket Wheel End Performance To Three Additional Years	
Retrofit	Refurbishment
<b>Replace components with:</b> <ul style="list-style-type: none"> <li>Discover or Guardian HP Oil Seal</li> <li>Sentinel Hub Cap</li> <li>PRO-TORQ or ZIP-TORQ Axle Fastener</li> </ul>	<b>Replace components with:</b> <ul style="list-style-type: none"> <li>Discover or Guardian HP Oil Seal</li> <li>Sentinel Hub Cap</li> <li>PRO-TORQ Keeper</li> </ul>
<b>Receive:</b> Three Year Limited Parts Warranty on components stated above. Wheel ends already equipped with PRO-TORQ can refurbish the axle fastener by replacing the PRO-TORQ Keeper and receive limited warranty coverage.	
<b>Additional Warranty Coverage:</b> <ul style="list-style-type: none"> <li>Add STEMCO New Brake Shoes</li> <li>Add Aeris® Automatic Tire Inflation System</li> </ul>	

# 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>
06-201	Batco	<b>447-4743</b>				
06-203	Batco	<b>447-4743</b>				
06-204	Batco	<b>448-4836</b>				
06-210	Batco	<b>448-4836</b>				
06-226	Batco	<b>447-4723</b>				
06-348	Batco	<b>448-4837</b>				
06-354	Batco	<b>448-4836</b>				
06-358	Batco	<b>448-4836</b>				
06-403	Batco	<b>447-4743</b>				
06-404	Batco	<b>447-4743</b>				
06-411	Batco	<b>449-4973</b>				
06-412	Batco	<b>449-4973</b>				
06-424	Batco	<b>447-4743</b>				
06-425	Batco	<b>447-4743</b>				
06-470	Batco	<b>449-4974</b>				
06-472	Batco	<b>449-4974</b>				
06-482	Batco	<b>449-4973</b>				
06-484	Batco	<b>449-4973</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>
10284	Dana	<b>447-4743</b>				
10284	Kershaw	<b>447-4743</b>				
10286	Dana	<b>447-4743</b>				
10286	Kershaw	<b>447-4743</b>				
103100-1	Std. Forge	<b>447-4743</b>				
103102-001	Std. Forge	<b>447-4743</b>				
103103-002	Std. Forge	<b>447-4743</b>				
103104-001	Std. Forge	<b>447-4743</b>				
103105	Std. Forge	<b>448-4836</b>				
10406	Dana	<b>447-4743</b>				
10408	Dana	<b>447-4743</b>				
105013	Std. Forge	<b>447-4743</b>				
10895522	GMC/Volvo			<b>308-0870</b>		
11249	Eaton	<b>449-4973</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>		

☒ Discontinued part numbers, refer to Engineering Changes for more information.

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®.

(Continued Next Page)

# 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®
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> ☒	<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>				
1227-B-106	Meritor	<b>448-4836</b>				
1227-B-756	Meritor	<b>447-4743</b>				
1227-B-1484	Meritor	<b>447-4723</b>				
1227-C-549	Meritor	<b>447-4743</b>				
1227-E-1045	Meritor	<b>449-4974</b>				
1227-K-1389	Meritor	<b>447-4723</b>				
1227-L-194	Meritor	<b>448-4836</b>				
1227-M-715	Meritor	<b>449-4974</b>				
1227-R-330	Meritor	<b>449-4973</b>				
1227-R-1240	Meritor	<b>449-4973</b>				
1227-T-228	Meritor	<b>447-4743</b>				
1227-T-540	Meritor	<b>447-4743</b>				
1227-U-541	Meritor	<b>448-4836</b>				
1227-W-517	Meritor	<b>449-4973</b>				
1227-X-102	Meritor	<b>448-4836</b>				
1227-Z-1040	Meritor	<b>449-4974</b>				
1227-P-1160	Meritor	<b>447-4743</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>				
128333	Eaton	<b>448-4837</b>				
1282	C/R	<b>340-4975</b>				
1283	C/R	<b>640-0003</b>				
1284	C/R	<b>349-4975</b>				
128355	Eaton	<b>320-2102</b>				
128356	Eaton	<b>315-1501</b>				
1306	C/R		<b>392-9038</b>			
1307	C/R		<b>392-9035</b>	<b>309-0935</b>		
1308	C/R		<b>392-9099</b>	<b>309-0912/0915</b> ☒	<b>393-0112</b>	<b>393-0212</b>
1311	C/R	<b>349-4024</b>				

☒ Discontinued part numbers, refer to Engineering Changes for more information.

☒ 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®
1321	C/R		<b>392-9018</b>			
1322	C/R		<b>392-9057</b>	<b>309-0957</b>		
1343	C/R	<b>349-4009</b>				
13567	Crane	<b>320-2137</b>				
13568	Crane	<b>320-2106</b>				
1399	C/R	<b>349-4195</b>				
1436860008	Westport	<b>343-4024</b>				
1436860010	Westport	<b>343-4249</b>				
1436860011	Westport	<b>343-4095</b>				
1436900006	Westport		<b>382-8036</b>	<b>308-0836</b>	<b>383-0136</b>	<b>383-0236</b>
1436900007	Westport		<b>372-7097</b>	<b>307-0743</b>	<b>373-0143</b>	<b>373-0243</b>
150012	Ceromet	<b>448-4836</b>				
150018	Ceromet	<b>448-4837</b>				
15507089	GMC		<b>382-8064</b>	<b>308-0864</b>	<b>383-0164</b>	<b>383-0264</b>
15511620	GMC/Volvo	<b>359-5970</b>				
15519908	GMC/Volvo		<b>382-8071</b>		<b>383-0171</b>	
15519910	GMC/Volvo	<b>320-2216</b> ☒				
15520072	GMC/Volvo		<b>382-8009</b>			
15520073	GMC/Volvo	<b>343-4198</b>				
15527755	GMC/Volvo		<b>382-8063</b>	<b>308-0863</b>		
15527780	GMC/Volvo		<b>382-8053</b> ☒	<b>308-0853</b>	<b>383-0153</b>	
15527781	GMC/Volvo		<b>392-9033</b> ☒			
15534441	GMC/Volvo	<b>359-5968</b>				
1554331C1	Navistar		<b>382-8036</b>	<b>308-0836</b>	<b>383-0136</b>	<b>383-0236</b>
15550869	GMC/Volvo		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
15556130	GMC/Volvo	<b>343-4249</b>				
15556131	GMC/Volvo	<b>330-3122</b>				
15557677	GMC/Volvo		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
15557678	GMC/Volvo		<b>392-9099</b>	<b>309-0912</b>	<b>393-0112</b>	<b>393-0212</b>
15587578	GMC/Volvo	<b>340-4263</b>				
15587579	GMC/Volvo	<b>340-4263</b>				
15588691	GMC/Volvo					
15588692	GMC/Volvo					
15588693	GMC/Volvo					
15611171	GMC/Volvo		<b>382-8029</b> ☒			
15611171	GMC/Volvo		<b>392-9018</b>			
15663537	GMC/Volvo		<b>382-8036</b>	<b>308-0836</b>	<b>383-0136</b>	<b>383-0236</b>
15679880	GMC/Volvo		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
15679881	GMC/Volvo		<b>392-9099</b>	<b>309-0912</b>	<b>393-0112</b>	<b>393-0212</b>
15687419	GMC/Volvo		<b>382-8064</b>	<b>308-0864</b>	<b>383-0164</b>	<b>383-0264</b>
15703555	GMC/Volvo		<b>392-9099</b>	<b>309-0912</b>	<b>393-0112</b>	<b>393-0212</b>
15844467	GMC/Volvo			<b>308-0870</b>		
15965961	GMC/Volvo	<b>320-2029</b> ☒				
15965962	GMC/Volvo	<b>310-1018</b>				
15982869	GMC/Volvo		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
1600	C/R	<b>347-4009</b>				
1607743C1	Navistar	<b>448-4836</b>				
1607744C1	Navistar	<b>449-4973</b>				
1608	C/R	<b>340-4065</b>				
1609948C1	Navistar	<b>320-2106</b>				
1611843C91	Navistar		<b>382-8036</b>	<b>308-0836</b>	<b>383-0136</b>	<b>383-0236</b>
1612	C/R	<b>343-4024</b>				
1612823C1	Navistar		<b>382-8056</b> ☒	<b>308-0856</b>	<b>383-0156</b>	
1612877C91	Navistar		<b>382-8064</b>	<b>308-0864</b>	<b>383-0164</b>	<b>383-0264</b>
1613	C/R	<b>343-4249</b>				
1615304C1	Navistar		<b>382-8036</b>	<b>308-0836</b>	<b>383-0136</b>	<b>383-0236</b>
1615305C1	Navistar		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>

☒ Discontinued part numbers, refer to Engineering Changes for more information.

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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# 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®
1623	C/R	343-4066				
1627	C/R	343-4019				
1630	C/R	343-4014				
1642	C/R	343-4013				
1643	C/R	343-4009				
1643	C/R	343-4249				
1644	C/R	343-4009				
1649628C1	Navistar		372-7097	307-0743	373-0143	373-0243
1654330C1	Navistar		392-9099	309-0912/0915	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	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	C/R	340-4098				
16911843C91	Navistar		382-8036	308-0836	383-0136	383-0236
1696	C/R	343-4195				
1698	C/R	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				
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				

ⓧ Discontinued part numbers, refer to Engineering Changes for more information.

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📌 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®
1800	C/R	<b>347-4009</b>				
1801	C/R	<b>347-4013</b>				
1803	C/R	<b>343-4149</b>				
1808	C/R	<b>343-4065</b>				
1811	C/R	<b>343-4024</b>				
1823	C/R	<b>343-4042</b>				
1827	C/R	<b>343-4002</b>				
1842	C/R	<b>343-4013</b>				
1843	C/R	<b>343-4009</b>				
1843	C/R	<b>343-4046</b>				
1843	C/R	<b>343-4095</b>				
1865	C/R	<b>343-4066</b>				
1869	C/R	<b>343-4025</b>				
1870	C/R	<b>343-4034</b>				
1881	C/R	<b>343-4028</b>				
1890	C/R	<b>343-4249</b>				
1898	C/R	<b>343-4080</b>				
19186	Eaton	<b>447-4743</b>				
19QJ238	Mack	<b>343-4025</b>				
19QJ29302A	Mack	<b>343-4024/4308</b>				
19QJ29304	Mack	<b>343-4095</b>				
19QJ29304A	Mack	<b>343-4095/4309</b>				
19QJ310	Mack	<b>343-4025</b>				
19QJ313	Mack	<b>343-4009</b>				
19QJ318	Mack	<b>343-4098</b>				
19QJ319	Mack	<b>343-4249</b>				
19QJ324	Mack	<b>343-4095</b>				
19QJ325	Mack	<b>343-4092</b>				
19QJ325P2	Mack	<b>343-4092/4312</b>				
19QJ332	Mack	<b>343-4249</b>				
19QJ334	Mack	<b>343-4024</b>				
19QJ335	Mack	<b>343-4264</b>				
19QJA29302	Mack	<b>343-4024</b>				
19QJA29304	Mack	<b>343-4095</b>				
19QJA310	Mack	<b>343-4025</b>				
19QJA310P1	Mack	<b>343-4025</b>				
19QJA315	Mack	<b>343-4057</b>				
19QJA319	Mack	<b>343-4249</b>				
19QJA320	Mack	<b>343-4249</b>				
2009947C91	Navistar	<b>343-4281</b>				
2029409	GMC/Volvo	<b>320-2102</b>				
2033466C91	Navistar	<b>343-4065</b>				
2033863C91	Navistar	<b>343-4009</b>				
2034224	GMC/Volvo		<b>382-8032</b>			
2034230	GMC/Volvo		<b>382-8017</b>			
2034237	GMC/Volvo		<b>392-9057</b>	<b>309-0957</b>		
203452	Manac	<b>330-3009/3067</b>				
203453	Manac	<b>343-4009</b>				
203467	Manac	<b>315-1504</b>				
203469	Manac	<b>310-1048</b>				
203470	Manac	<b>320-2110</b>				
2036166	GMC/Volvo	<b>315-1501</b>				
2037474C1	Navistar	<b>448-4837</b>				
2039149	GMC/Volvo		<b>382-8017</b>			
2039419	GMC/Volvo		<b>382-8017</b>			
2045996	GMC/Volvo		<b>382-8001</b> ☒		<b>383-0101</b>	
2056780	GMC/Volvo	<b>359-5991</b>				

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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
2059246	GMC/Volvo	<b>359-5995</b>				
2064489	GMC/Volvo		<b>392-9057</b>	<b>309-0957</b>		
2071314	Crane	<b>310-1037</b> ☒				
2071319	Crane	<b>310-1111</b> ☒				
2071760	Crane	<b>315-1502</b>				
2078026	GMC/Volvo		<b>392-9132</b>	<b>309-0960</b>		
2079222	GMC/Volvo	<b>359-5990</b>				
2094440	GMC/Volvo	<b>320-2029</b> ☒				
2099450	GMC/Volvo	<b>320-2104</b>				
2208A885	Meritor	<b>330-3060</b>				
2208C575	Meritor	<b>330-3009</b>				
2208C835	Meritor	<b>330-3040</b>				
2208E889	Meritor	<b>330-3024</b>				
2208N820	Meritor	<b>330-3097</b>				
2208U1113	Meritor	<b>330-3118</b>				
2222	National					
2245A27	Meritor	<b>310-1089</b>				
2297M6981	Meritor	<b>315-1525</b>				
2302130	GMC/Volvo	<b>310-1123</b>				
231206	National		<b>392-9111</b>			
2317614	GMC/Volvo		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
23590	C/R PlusXL				<b>383-0175</b>	
240694R1	Navistar	<b>359-6032</b>				
2413360	GMC/Volvo		<b>392-9053</b>			
2428573	GMC/Volvo	<b>343-4042</b>				
2444414	GMC/Volvo	<b>343-4066</b>				
2455044	GMC/Volvo	<b>330-3009</b>				
2455048	GMC/Volvo	<b>310-1012</b> ☒				
2455091	GMC/Volvo	<b>310-1034</b> ☒				
2455092	GMC/Volvo	<b>320-2034</b> ☒				
2455093	GMC/Volvo	<b>330-3041</b>				
2455943	GMC/Volvo	<b>320-2017</b>				
2455944	GMC/Volvo	<b>310-1017</b>				
2456738	GMC/Volvo	<b>320-2008</b> ☒				
2456739	GMC/Volvo	<b>310-1079</b>				
2477708	GMC/Volvo	<b>320-2036</b> ☒				
2485338	GMC/Volvo	<b>310-1018</b>				
2498220	GMC/Volvo		<b>382-8064</b>	<b>308-0864</b>	<b>383-0164</b>	<b>383-0264</b>
2501559C1	Navistar	<b>449-4974</b>				
254032C91	Navistar		<b>392-9053</b>			
260421C1	Navistar	<b>343-4092</b>				
26209	C/R	<b>429-0004</b>				
26220	C/R	<b>429-0004</b>				
26239	C/R	<b>429-0004</b>				
262512	Ceromet	<b>449-4974</b>				
262516C	Ceromet	<b>447-4743</b>				
26373	C/R	<b>429-0003</b>				
26378	C/R	<b>460-6002</b>				
2674	National		<b>382-8044</b>			
26762	C/R	<b>429-0004</b>				
2708026	GMC/Volvo		<b>392-9132</b>	<b>309-0960</b>		
27295	C/R	<b>429-0008</b>				
27430	C/R					
27438	C/R		<b>382-8043</b> ☒			
27461	C/R	<b>460-6005</b> ☒				
27467	C/R	<b>460-6005</b> ☒				
27500	C/R	<b>460-6005</b> ☒				

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

3 Obsolete set, components still available.

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27542	C/R	<b>429-0009</b>				
27558	C/R	<b>460-6004</b>				
27565	C/R	<b>429-0009</b>				
2757682	GMC/Volvo		<b>392-9096</b>	<b>309-0965</b>		
277428C91	Navistar	<b>320-2029</b> ☒				
278616C91	Navistar	<b>320-2117</b>				
280886C91	Navistar		<b>392-9099</b>	<b>309-0912/0915</b> ☒	<b>393-0112</b>	<b>393-0212</b>
283109C1	Navistar	<b>359-5995</b>				
283110C1	Navistar	<b>359-5990</b>				
283111C1	Navistar	<b>359-5997</b>				
283112C1	Navistar	<b>359-5992</b>				
283113C1	Navistar	<b>359-5996</b>				
283114C1	Navistar	<b>359-5991</b>				
28425	C/R		<b>392-9063</b>			
28426	C/R		<b>392-9063</b>			
286517C91	Navistar	<b>320-2137</b> ☒				
286518C1	Navistar	<b>310-1037</b>				
28745	C/R		<b>382-8066</b>	<b>308-0866</b>	<b>383-0166</b>	
28758	C/R		<b>382-8066</b>	<b>308-0866</b>	<b>383-0166</b>	
28820	C/R		<b>372-7046</b>			
28828	C/R		<b>382-8018</b> ☒ ☒			
28830	C/R		<b>382-8044</b>			
28832	C/R		<b>382-8044</b>			
29288	C/R	<b>460-6003</b>				
29292	C/R	<b>460-6006</b>				
29316	C/R	<b>429-0006</b>				
29322	C/R	<b>429-0006</b>				
29380	C/R	<b>429-0006</b>				
29381	C/R	<b>429-0013</b> ☒				
29480	C/R PlusXL				<b>383-0176</b>	
29528	C/R	<b>429-0012</b>				
2960381	Dodge		<b>392-9010</b> ☒			
296393C91	Navistar		<b>382-8036</b>	<b>308-0836</b>	<b>383-0136</b>	<b>383-0236</b>
296395C91	Navistar		<b>392-9088</b>	<b>309-0964</b>		
296409C91	Navistar	<b>320-2010</b> ☒				
296436C1	Navistar	<b>330-3036</b>				
296438C91	Navistar		<b>372-7099</b>	<b>307-0713</b>	<b>373-0113</b>	<b>373-0213</b>
296441C91	Navistar		<b>392-9095</b>	<b>309-0961</b>		
29865	C/R	<b>429-0005</b>				
29867	C/R	<b>429-0005</b>				
29912	C/R	<b>460-6007</b>				
29961	C/R	<b>460-6007</b>				
29QJ110A	Mack		<b>382-8023</b> ☒			
29QJ123	Mack		<b>382-8023</b> ☒			
29QJ127	Mack	<b>310-1041</b>				
29QJ210	Mack	<b>310-1051</b>				
29QJ211	Mack	<b>310-1038</b> ☒				
29QJ212	Mack	<b>310-1037</b> ☒				
29QJ219	Mack	<b>310-1111</b> ☒				
29QJ222	Mack	<b>315-1516</b>				
29QJ229	Mack	<b>310-1111</b> ☒				
29QJ230	Mack	<b>310-1089</b>				
29QJ233	Mack	<b>310-1079</b>				
29QJ235	Mack	<b>310-1103</b>				
29QJ2930	Mack	<b>315-1502</b>				
29QJ29301	Mack	<b>315-1502</b>				
29QJ29302	Mack	<b>310-1036</b>				

☒ Discontinued part numbers, refer to Engineering Changes for more information.

☑ 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.  
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®
29QJ29304	Mack	<b>310-1093</b> ⓧ				
29QJ29305	Mack	<b>315-1501</b>				
30007	C/R	<b>429-0005</b>				
30057	C/R	<b>460-6012</b>				
301	NOK		<b>372-7098</b>	<b>307-0713</b>	<b>373-0113</b>	<b>373-0213</b>
301401	Pioneer Weston		<b>372-7098</b>	<b>307-0713</b>	<b>373-0113</b>	<b>373-0213</b>
30153	C/R	<b>429-0010</b>				
302	NOK		<b>372-7099</b>	<b>307-0723</b>	<b>373-0123</b>	<b>373-0223</b>
302200	Pioneer Weston		<b>372-7099</b>	<b>307-0723</b>	<b>373-0123</b>	<b>373-0223</b>
302402	Pioneer Weston		<b>372-7099</b>	<b>307-0723</b>	<b>373-0123</b>	<b>373-0223</b>
303	NOK		<b>372-7097</b>	<b>307-0743</b>	<b>373-0143</b>	<b>373-0243</b>
303100	Pioneer Weston		<b>372-7097</b>	<b>307-0743</b>	<b>373-0143</b>	<b>373-0243</b>
30323	NOK		<b>372-7018</b> ⓧ			
30323	NOK		<b>382-8029</b> ⓧ			
30323	NOK		<b>392-9018</b>			
303403	Pioneer Weston		<b>372-7097</b>	<b>307-0743</b>	<b>373-0143</b>	<b>373-0243</b>
304	NOK		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
30445	C/R	<b>429-0010</b>				
304404	Pioneer Weston		<b>372-7095</b>	<b>307-0744</b>	<b>373-0144</b>	
305	NOK		<b>382-8036</b>	<b>308-0836</b>	<b>383-0136</b>	<b>383-0236</b>
305132C92	Navistar	<b>343-4186</b>				
305133C1	Navistar	<b>330-3028</b>				
305387C1	Navistar	<b>310-1089</b>				
305405	Pioneer Weston		<b>392-9094</b>	<b>309-0903</b>		
306	NOK		<b>392-9099</b>	<b>309-0912/0915</b> ⓧ	<b>393-0112</b>	<b>393-0212</b>
306408	Pioneer Weston		<b>392-9087</b>	<b>309-0970</b>		
307	NOK		<b>392-9088</b>	<b>309-0964</b>		
307408	Pioneer Weston		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
308	NOK		<b>392-9132</b>	<b>309-0960</b>		
308408	Pioneer Weston		<b>392-9132</b>	<b>309-0960</b>		
309409	Pioneer Weston		<b>392-9099</b>	<b>309-0912/0915</b> ⓧ	<b>393-0112</b>	<b>393-0212</b>
30QJ256	Mack	<b>315-1511</b>				
30QJ258	Mack	<b>315-1515</b>				
3102611	GMC/Volvo	<b>310-1037</b> ⓧ				
310410	Pioneer Weston		<b>392-9088</b>	<b>309-0964</b>		
311411	Pioneer Weston		<b>392-9096</b>	<b>309-0965</b>		
31175	C/R		<b>382-8009</b>			
31182 ⓧ	C/R	<i>Same as 31175 used for worn hubs or oversize seal bore</i>				
31203	C/R		<b>382-8009</b>			
312100	Pioneer Weston		<b>382-8036</b>	<b>308-0836</b>	<b>383-0136</b>	<b>383-0236</b>
31244	C/R	<b>320-2022</b>				
31244	C/R		<b>382-8010</b>			
31264 ⓧ	C/R	<b>320-2125</b>				
31266	C/R		<b>382-8062</b>			
31269	C/R		<b>382-8010</b>			
31270	C/R		<b>382-8010</b>			
31271	C/R		<b>382-8010</b>			
31281	C/R		<b>372-7049</b>			
31288	C/R		<b>392-9038</b>			
31299	C/R		<b>392-9038</b>			
31301	C/R		<b>392-9038</b>			
31307	C/R		<b>372-7048</b> ⓧ			
31307	C/R		<b>392-9038</b>			
3130997908	Bluebird		<b>382-8036</b>	<b>308-0836</b>	<b>383-0136</b>	<b>383-0236</b>
314755C91	Navistar	<b>343-4066</b>				
315100	Pioneer Weston		<b>382-8064</b>	<b>308-0864</b>	<b>383-0164</b>	<b>383-0264</b>

ⓧ Discontinued part numbers, refer to Engineering Changes for more information.

ⓧ 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®
317100	Pioneer Weston		<b>382-8056</b> ⓧ	<b>308-0856</b>	<b>383-0156</b>	
31927	Eaton	<b>449-4973</b>				
319506C91	Navistar		<b>382-8053</b> ⓧ	<b>308-0853</b>	<b>383-0153</b>	
31955	C/R		<b>382-8035</b> ⓧ			
31960	C/R		<b>382-8035</b> ⓧ			
31961	C/R		<b>382-8035</b> ⓧ			
3208J1076	Meritor	<b>330-3041</b>				
32385	C/R	<b>429-0007</b>				
32397	C/R	<b>429-0007</b>				
324043R91	Navistar		<b>392-9033</b> ⓧ			
32410	C/R	<b>460-6011</b>				
32449	C/R		<b>382-8017</b>			
32452	C/R		<b>382-8010</b>			
32453	C/R		<b>382-8010</b>			
32467	C/R		<b>382-8010</b>			
32470	C/R		<b>382-8017</b>			
32477	C/R		<b>382-8017</b>			
32501	C/R		<b>382-8010</b>			
325012	Ceromet	<b>449-4973</b>				
32502	C/R		<b>382-8010</b>			
32510	C/R		<b>382-8017</b>			
32540	C/R		<b>382-8017</b>			
32564	C/R		<b>382-8017</b>			
326283C91	Navistar		<b>392-9095</b>	<b>309-0961</b>		
32710	C/R		<b>392-9038</b>			
32870	C/R	<b>429-0011</b>				
32QJ112B	Mack		<b>392-9092</b>	<b>309-0965</b>		
32QJ127A	Mack		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
32QJ131A	Mack		<b>382-8064</b>	<b>308-0864</b>	<b>383-0164</b>	<b>383-0264</b>
32QJ179	Mack	<b>320-2106</b>				
32QJ225	Mack	<b>320-2039</b> ⓧ				
32QJ228	Mack	<b>320-2009</b>				
32QJ235	Mack	<b>320-2023</b>				
32QJ237	Mack	<b>320-2106</b>				
32QJ238	Mack		<b>382-8010</b>			
32QJ240	Mack	<b>320-2097</b>				
32QJ241	Mack	<b>320-2129</b>				
32QJ243	Mack	<b>320-2213</b>				
32QJ245	Mack	<b>320-2137</b>				
32QJ246	Mack		<b>382-8011</b>			
32QJ248	Mack		<b>382-8039</b> ⓧ		<b>383-0139</b>	<b>383-0239</b>
32QJ249	Mack	<b>320-2118</b>				
32QJ251	Mack	<b>320-2099</b>				
32QJ252	Mack		<b>382-8064</b>	<b>308-0864</b>	<b>383-0164</b>	<b>383-0264</b>
32QJ260	Mack	<b>320-2001</b>				
32QJ262	Mack		<b>382-8039</b> ⓧ		<b>383-0139</b>	<b>383-0239</b>
32QJ263	Mack		<b>392-9094</b>	<b>309-0903</b>	<b>393-0103</b>	<b>393-0203</b>
32QJ265	Mack		<b>392-9081</b>	<b>309-0960</b>		
32QJ267	Mack		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
32QJ268	Mack		<b>392-9094</b>	<b>309-0903</b>	<b>393-0103</b>	<b>393-0203</b>
32QJ269	Mack		<b>382-8036</b>	<b>308-0836</b>	<b>383-0136</b>	<b>383-0236</b>
32QJ270	Mack		<b>382-8064</b>	<b>308-0864</b>	<b>383-0164</b>	<b>383-0264</b>
32QJ271	Mack		<b>392-9112</b> ¶	<b>309-0904</b>	<b>393-0104</b>	<b>393-0204</b>
32QJ276	Mack		<b>392-9089</b>	<b>309-0948</b>	<b>393-0148</b>	
32QJ29302	Mack	<b>320-2036</b> ⓧ				
32QJ29315	Mack		<b>382-8036</b>	<b>308-0836</b>	<b>383-0136</b>	<b>383-0236</b>
32QJ29316	Mack		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>

ⓧ Discontinued part numbers, refer to Engineering Changes for more information.

¶ 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®
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				
33254	C/R	429-0011				
33751	C/R	429-0014				
337711C92	Navistar		392-9099	309-0912/0915	393-0112	393-0212
338877R91	Navistar		392-9036			
340107C92	Navistar		392-9088	309-0964		
34046	Eaton	447-4743	392-9088	309-0964		
34090	Eaton					
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		
34385	C/R		392-9035	309-0935		
34386	C/R		392-9035	309-0935		
34387	C/R Classic		392-9035	309-0935		
348012	Ceromet	447-4723				
348012E	Ceromet	447-4724				
34882	C/R	429-0002				
34885	C/R		382-8063	308-0863		
34891	C/R	429-0002				
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			

ⓧ Discontinued part numbers, refer to Engineering Changes for more information.

■ 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®
36285	C/R		<b>382-8034</b>			
36314	C/R		<b>392-9037</b>			
36357	C/R w/455037		<b>382-8011</b>			
36357	C/R		<b>382-8071</b>		<b>383-0171</b>	
36358	C/R Classic		<b>382-8071</b>		<b>383-0171</b>	
36363	C/R		<b>382-8011</b>			
36364	C/R		<b>382-8011</b>			
36365	C/R		<b>382-8011</b>			
36365	C/R Classic		<b>382-8071</b>		<b>383-0171</b>	
36369	C/R		<b>382-8011</b>			
36370	C/R		<b>382-8011</b>			
36378	C/R		<b>372-7005</b> ⓧ			
36378	C/R		<b>372-7006</b>			
36378	C/R		<b>382-8025</b> ⓧ			
36382	C/R		<b>382-8034</b>			
364SZ100	Mack		<b>382-8036</b>	<b>308-0836</b>	<b>383-0136</b>	<b>383-0236</b>
364SZ202	Mack		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
364SZ203	Mack		<b>392-9095</b>	<b>309-0961</b>		
364SZ206	Mack		<b>382-8036</b>	<b>308-0836</b>	<b>383-0136</b>	<b>383-0236</b>
36506	Eaton		<b>392-9099</b>	<b>309-0912/0915</b>	<b>393-0112</b>	<b>393-0212</b>
370001A	National		<b>382-8036</b>	<b>308-0836</b>	<b>383-0136</b>	<b>383-0236</b>
370002A	National		<b>372-7006</b>			
370002A	National		<b>372-7009</b> ⓧ			
370002A	National		<b>382-8025</b> ⓧ			
370003A	National		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
370004A	National		<b>392-9001</b>			
370005A	National		<b>392-9020</b> ⓧ			
370005A	National		<b>392-9132</b>	<b>309-0960</b>		
370006A	National		<b>392-9087</b>	<b>309-0970</b>		
370007A	National		<b>382-8028</b>			
370007A	National		<b>392-9043</b> ⓧ			
370008A	National		<b>372-7018</b> ⓧ			
370008A	National		<b>382-8029</b> ⓧ			
370008A	National		<b>392-9018</b>			
370009A	National		<b>392-9057</b>	<b>309-0957</b>		
370010A	National		<b>372-7046</b>			
370010A	National		<b>382-8018</b> ⓧ			
370011A	National		<b>382-8011</b>			
370011A	National		<b>382-8071</b>		<b>383-0171</b>	
370012A	National		<b>382-8032</b>			
370012A	National		<b>382-8034</b>			
370013A	National		<b>372-7005</b> ⓧ			
370014A	National		<b>372-7049</b>			
370014A	National		<b>382-8010</b>			
370014A	National		<b>382-8062</b>			
370015A	National		<b>382-8052</b>			
370018A	National		<b>382-8017</b>			
370019A	National		<b>392-9092</b>	<b>309-0965</b>		
370020A	National		<b>382-8060</b>			
370021A	National		<b>392-9088</b>	<b>309-0964</b>		
370022A	National		<b>392-9094</b>	<b>309-0903</b>	<b>393-0103</b>	<b>393-0203</b>
370023A	National		<b>392-9099</b> ⓧ	<b>309-0912/0915</b>	<b>393-0112</b>	<b>393-0212</b>
370024A	National		<b>392-9099</b> ⓧ	<b>309-0915</b>	<b>393-0115</b>	
370025A	National		<b>372-7097</b>	<b>307-0743</b>	<b>373-0143</b>	<b>373-0243</b>
370026A	National		<b>372-7022</b>			
370027A	National		<b>372-7025</b> ⓧ			
370027A	National		<b>392-9021</b> ⓧ			

ⓧ Discontinued part numbers, refer to Engineering Changes for more information.

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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®.

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

# 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®
370027A	National		392-9046 ☒			
370028A	National		392-9007			
370029A	National		372-7008 ☒			
370030A	National		392-9095	309-0961		
370031A	National		392-9112 ☒	309-0904	393-0104	393-0204
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					
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	

☒ Discontinued part numbers, refer to Engineering Changes for more information.

☒ 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®
370211A 370212A 370215A	National National National				383-0176	
370219A 370220A 370338A	National National National		392-9111 372-7095	307-0744	373-0144	
370349A 370349A 370349A	National National National		372-7003 372-7098 392-9032	307-0713	373-0113	373-0213
37532 37532 37561	C/R C/R C/R		382-8032 382-8035 ☒ 382-8035 ☒			
376590A 3796564 3796575	National GMC/Volvo GMC/Volvo		372-7099 392-9057 392-9057	307-0723 309-0957 309-0957	373-0123	373-0223
380001A 380003A 380019C91	National National Navistar		382-8036 392-9131 392-9099	308-0836 309-0973 309-0912/0915	383-0136 393-0173 393-0112	383-0236 393-0273 393-0212
380022A 380023A 380025A	National National National		392-9094 392-9099 372-7097	309-0903 309-0912/0915 307-0743	393-0103 393-0112 373-0143	393-0203 393-0212 373-0243
380031A 380036A 380036A	National National National		392-9112 ¶ 372-7003 372-7098	309-0904	393-0104	393-0204
380036A 380048A 380065A	National National National		392-9032 382-8064 372-7099	308-0864 307-0723	383-0164 373-0123	383-0264 373-0223
380131A 3827712 383706C91	National Dodge Navistar		382-8056 ☒ 382-8063 392-9001	308-0856 308-0863	383-0156	
383716C91 383718C1 383727C1	Navistar Navistar Navistar	320-2046 ☒ 310-1008 330-3040				
383728C1 383733C1 386590A	Navistar Navistar National	330-3056 330-3001				
38703 38706 38709	C/R C/R C/R		392-9010 ☒ 392-9010 ☒ 392-9010 ☒			
38736 38745 38747	C/R C/R C/R		392-9099 392-9099	309-0912/0915 309-0912/0915	393-0112 393-0112	393-0212 393-0212
38748 38750 38774	C/R C/R Classic C/R		392-9099 392-9099 392-9099	309-0915 309-0915 309-0912/0915	393-0115 393-0112	393-0212 393-0212
38776 38777 38778	C/R PlusXL C/R C/R		392-9099 392-9099 392-9099	309-0912 309-0912/0915 309-0912/0915	393-0112 393-0112 393-0112	393-0212 393-0212 393-0212
38779 38780 38782	C/R C/R Classic C/R		392-9099 392-9099 392-9099	309-0912/0915 309-0912/0915 309-0912/0915	393-0112 393-0112 393-0112	393-0212 393-0212 393-0212
38783 388250C91 39378	C/R LongLife Navistar C/R	343-4025	392-9099 392-9018	309-0912	393-0112	393-0212
39380 39380 39380	C/R C/R C/R		372-7018 ☒ 382-8029 ☒ 392-9018			

☒ Discontinued 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®
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				
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 worm hubs or oversize seal bore				
40146	C/R		372-7098	307-0713	373-0113	373-0213

☒ Discontinued part numbers, refer to Engineering Changes for more information.

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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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# 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®
40147	C/R LongLife		<b>372-7098</b>	<b>307-0713</b>	<b>373-0113</b>	<b>373-0213</b>
401502	Mechanex/Barrier	<b>330-3014</b> ☒				
401503	Mechanex/Barrier	<b>330-3002</b>				
401504	Mechanex/Barrier	<b>330-3024</b>				
401507	Mechanex/Barrier	<b>330-3041</b>				
401508	Mechanex/Barrier	<b>330-3018</b> ☒				
401508	Mechanex/Barrier	<b>330-3028</b>				
401508	Mechanex/Barrier	<b>330-3120</b>				
401510	Mechanex/Barrier	<b>330-3041</b>				
401511	Mechanex/Barrier	<b>330-3060</b>				
401514	Mechanex/Barrier	<b>330-3034</b>				
401516	Mechanex/Barrier	<b>330-3025</b>				
401516	Mechanex/Barrier	<b>330-3035</b>				
401519	Mechanex/Barrier	<b>330-3012</b>				
401524	Mechanex/Barrier	<b>330-3097</b>				
401911P	Mechanex/Barrier	<b>330-3122</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>				

☒ Discontinued part numbers, refer to Engineering Changes for more information.

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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# 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®
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>				
4131128	Trailmobile	<b>343-4009</b>				
4131135	Trailmobile		<b>372-7098</b>	<b>307-0713</b>	<b>373-0113</b>	<b>373-0213</b>
4131144	Trailmobile		<b>372-7099</b>	<b>307-0723</b>	<b>373-0123</b>	<b>373-0223</b>
4131145	Trailmobile		<b>372-7091</b>		<b>373-0191</b>	
4131150	Trailmobile		<b>372-7097</b>	<b>307-0743</b>	<b>373-0143</b>	<b>373-0243</b>
4131151	Trailmobile		<b>372-7095</b>	<b>307-0744</b>	<b>373-0144</b>	
4131159	Trailmobile		<b>372-7091</b>		<b>373-0191</b>	
4131160	Trailmobile		<b>372-7095</b>	<b>307-0744</b>	<b>373-0144</b>	
4131162	Trailmobile		<b>372-7097</b>	<b>307-0743</b>	<b>373-0143</b>	<b>373-0243</b>
4131163	Trailmobile		<b>372-7098</b>	<b>307-0713</b>	<b>373-0113</b>	<b>373-0213</b>
4131164	Trailmobile		<b>372-7099</b>	<b>307-0723</b>	<b>373-0123</b>	<b>373-0223</b>
4131166	Trailmobile		<b>392-9088</b>	<b>309-0964</b>		
4131167	Trailmobile		<b>392-9132</b>	<b>309-0960</b>		
4131169	Trailmobile		<b>392-9132</b>	<b>309-0960</b>		
4131170	Trailmobile		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
4131171	Trailmobile		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
4131173	Trailmobile		<b>392-9099</b>	<b>309-0912/0915</b>	<b>393-0112</b>	<b>393-0212</b>
4131188	Trailmobile		<b>392-9087</b>	<b>309-0970</b>		
4131189	Trailmobile		<b>392-9087</b>	<b>309-0970</b>		
4131191	Trailmobile		<b>392-9012</b>	<b>309-0912</b>	<b>393-0112</b>	<b>393-0212</b>
4131192	Trailmobile		<b>392-9099</b>	<b>309-0912/0915</b>	<b>393-0112</b>	<b>393-0212</b>
4131193	Trailmobile		<b>392-9088</b>	<b>309-0964</b>		
4131194	Trailmobile		<b>392-9094</b>	<b>309-0903</b>		
4131197	Trailmobile		<b>392-9112</b>	<b>309-0904</b>		
4131199	Trailmobile		<b>392-9081</b>	<b>309-0960</b>		
4131204	Trailmobile		<b>382-8064</b>	<b>308-0864</b>		
4131206	Trailmobile		<b>382-8056</b> ⓧ	<b>308-0856</b>		
4131210	Trailmobile		<b>372-7098</b>	<b>307-0713</b>	<b>373-0113</b>	<b>373-0213</b>
4131211	Trailmobile		<b>372-7099</b>	<b>307-0723</b>	<b>373-0123</b>	<b>373-0223</b>
4131212	Trailmobile		<b>372-7097</b>	<b>307-0743</b>	<b>373-0143</b>	<b>373-0243</b>
4131213	Trailmobile		<b>372-7095</b>	<b>307-0744</b>	<b>373-0144</b>	
4131214	Trailmobile		<b>382-8036</b>	<b>308-0836</b>	<b>383-0136</b>	<b>383-0236</b>
4131215	Trailmobile		<b>382-8056</b> ⓧ	<b>308-0856</b>	<b>383-0156</b>	
4131216	Trailmobile		<b>382-8064</b>	<b>308-0864</b>	<b>383-0164</b>	<b>383-0264</b>
4131220	Trailmobile		<b>382-8036</b>	<b>308-0836</b>	<b>383-0136</b>	<b>383-0236</b>
4131223	Trailmobile		<b>392-9088</b>	<b>309-0964</b>		
4131224	Trailmobile		<b>392-9087</b>	<b>309-0970</b>		
4131225	Trailmobile		<b>392-9112</b>	<b>309-0904</b>	<b>393-0104</b>	<b>393-0204</b>
4131226	Trailmobile		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
4131227	Trailmobile		<b>392-9132</b>	<b>309-0960</b>		
4131229	Trailmobile		<b>392-9112</b>	<b>309-0904</b>	<b>393-0104</b>	<b>393-0204</b>
4131230	Trailmobile		<b>392-9132</b>	<b>309-0960</b>		
4131231	Trailmobile		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
4131232	Trailmobile		<b>392-9088</b>	<b>309-0964</b>		

ⓧ Discontinued part numbers, refer to Engineering Changes for more information.

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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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
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 ☒			
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		

☒ Discontinued part numbers, refer to Engineering Changes for more information.

☐ 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®
427552R91	Navistar	<b>320-2036</b> ⓧ				
427553R91	Navistar	<b>343-4066</b>				
427555R2	Navistar	<b>310-1036</b>				
42800	C/R		<b>392-9095</b>	<b>309-0961</b>		
428119C91	Navistar	<b>320-2102</b>				
428120C1	Navistar	<b>315-1501</b>				
428121C1	Navistar	<b>310-1095</b> ⓧ				
428455C91	Navistar	<b>320-2106</b>				
428456C1	Navistar	<b>315-1502</b>				
431615R3	Navistar	<b>310-1021</b> ⓧ				
431616R92	Navistar	<b>320-2113</b>				
431619R91	Navistar		<b>372-7098</b>	<b>307-0713</b>	<b>373-0113</b>	<b>373-0223</b>
431620R91	Navistar	<b>343-4009</b>				
431620R92	Navistar	<b>343-4009</b>				
431621R2	Navistar	<b>330-3009/3067</b>				
431622R1	Navistar	<b>320-2109</b>				
43751	C/R		<b>372-7095</b>	<b>307-0744</b>	<b>373-0144</b>	
43752	C/R Classic		<b>372-7095</b>	<b>307-0744</b>	<b>373-0144</b>	
43753	C/R		<b>372-7095</b>	<b>307-0744</b>	<b>373-0144</b>	
43754	C/R PlusXL		<b>372-7095</b>	<b>307-0744</b>	<b>373-0144</b>	
43760	C/R		<b>382-8064</b>	<b>308-0864</b>	<b>383-0164</b>	<b>383-0264</b>
43761	C/R PlusXL		<b>382-8064</b>	<b>308-0864</b>	<b>383-0164</b>	<b>383-0264</b>
43762	C/R		<b>382-8064</b>	<b>308-0864</b>	<b>383-0164</b>	<b>383-0264</b>
43763	C/R		<b>382-8064</b>	<b>308-0864</b>	<b>383-0164</b>	<b>383-0264</b>
43764	C/R Classic		<b>382-8064</b>	<b>308-0864</b>	<b>383-0164</b>	<b>383-0264</b>
43765	C/R LongLife					
43795	C/R		<b>392-9095</b>	<b>309-0961</b>		
43800	C/R w/455034		<b>382-8060</b>			
43820	C/R		<b>392-9092</b>	<b>309-0965</b>		
43820	C/R		<b>392-9096</b>	<b>309-0965</b>		
43860	C/R Classic		<b>392-9096</b>	<b>309-0965</b>		
43861	C/R		<b>392-9096</b>	<b>309-0965</b>		
43865	C/R		<b>392-9092</b>	<b>309-0965</b>		
43875	C/R		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
44068	Great Dane	<b>343-4009</b>				
447550C91	Navistar		<b>372-7005</b> ⓧ			
447551C91	Navistar		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
447551C92	Navistar	<b>310-1013</b>				
447554C91	Navistar					
447556C91	Navistar		<b>382-8053</b> ⓧ	<b>308-0853</b>	<b>383-0153</b>	
447558C91	Navistar		<b>382-8018</b> ⓧ			
447559C91	Navistar		<b>382-8028</b>			
447559C92	Navistar	<b>320-2028</b> ⓧ				
447560C91	Navistar		<b>382-8029</b> ⓧ			
447561C91	Navistar		<b>382-8036</b>	<b>308-0836</b>	<b>383-0136</b>	<b>383-0236</b>
447561C92	Navistar	<b>320-2036</b> ⓧ				
447562C91	Navistar		<b>382-8064</b>	<b>308-0864</b>	<b>383-0164</b>	<b>383-0264</b>
447563C91	Navistar		<b>392-9001</b>			
447563C92	Navistar	<b>320-2001</b>				
447564C91	Navistar		<b>392-9088</b>	<b>309-0964</b>		
447564C92	Navistar	<b>320-2113</b>				
447565C91	Navistar		<b>392-9010</b> ⓧ			
447567C91	Navistar		<b>392-9095</b>	<b>309-0961</b>		
447567C92	Navistar	<b>320-2117</b>				
447568C91	Navistar		<b>392-9021</b> ⓧ			
447568C92	Navistar	<b>320-2021</b> ⓧ				
447569C91	Navistar		<b>392-9096</b>	<b>309-0965</b>		

ⓧ Discontinued part numbers, refer to Engineering Changes for more information.

■ 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®
447569C92	Navistar		<b>392-9096</b>	<b>309-0965</b>		
447574C91	Navistar		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
447574C92	Navistar		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
44916	C/R PlusXL		<b>382-8053</b> ⓧ	<b>308-0853</b>	<b>383-0153</b>	
44919	C/R		<b>382-8053</b> ⓧ	<b>308-0853</b>	<b>383-0153</b>	
44920	C/R		<b>382-8053</b> ⓧ	<b>308-0853</b>	<b>383-0153</b>	
44922	C/R Classic		<b>382-8053</b> ⓧ	<b>308-0853</b>	<b>383-0153</b>	
44930	C/R		<b>392-9033</b> ⓧ			
44963	C/R		<b>392-9033</b> ⓧ			
44964	C/R Classic		<b>392-9033</b> ⓧ			
44967	C/R		<b>392-9033</b> ⓧ			
44968	C/R		<b>392-9033</b> ⓧ			
44975	C/R		<b>392-9033</b> ⓧ			
450023	C/R	<b>330-3109</b>				
45010	C/R		<b>392-9033</b> ⓧ			
450155	C/R	<b>330-3106</b>				
450208	C/R	<b>310-1022</b>				
450293	C/R	<b>330-3122</b>				
450358	National	<b>460-6004</b>				
450409	C/R	<b>310-1057</b>				
45066	C/R		<b>392-9094</b>	<b>309-0903</b>	<b>393-0103</b>	<b>393-0203</b>
45069	C/R		<b>392-9094</b>	<b>309-0903</b>	<b>393-0103</b>	<b>393-0203</b>
45070	C/R		<b>392-9094</b>	<b>309-0903</b>	<b>393-0103</b>	<b>393-0203</b>
450741	C/R	<b>330-3025</b>				
450742	C/R	<b>330-3012</b>				
450743	C/R	<b>330-3042</b>				
450744	C/R	<b>330-3056</b>				
450747	C/R	<b>330-3007</b>				
450748	C/R	<b>330-3041</b>				
450749	C/R	<b>330-3028</b>				
450751	C/R	<b>330-3009/3067</b>				
450752	C/R	<b>330-3060</b>				
450755	C/R	<b>330-3024</b>				
450757	C/R	<b>330-3037</b>				
450760	C/R	<b>330-3008</b>				
450762	C/R	<b>330-3062</b>				
450765	C/R	<b>330-3040</b>				
450767	C/R	<b>330-3015</b>				
450768	C/R	<b>330-3034</b>				
450769	C/R	<b>330-3011</b>				
450775	C/R	<b>330-3013</b>				
450777	C/R	<b>330-3019</b>				
450778	C/R	<b>330-3031</b>				
450781	C/R	<b>330-3097</b>				
450788	C/R	<b>330-3122/3067</b>				
450875	C/R	<b>330-3105</b>				
450876	C/R	<b>330-3106</b>				
450877	C/R	<b>330-3107</b>				
450878	C/R	<b>330-3108</b>				
450879	C/R	<b>330-3109</b>				
45093	C/R PlusXL		<b>392-9094</b>	<b>309-0903</b>	<b>393-0103</b>	<b>393-0203</b>
45095			<b>382-8056</b> ⓧ	<b>308-0856</b>	<b>383-0156</b>	
45097	C/R		<b>392-9094</b>	<b>309-0903</b>	<b>393-0103</b>	<b>393-0203</b>
45098	C/R		<b>392-9094</b>	<b>309-0903</b>	<b>393-0103</b>	<b>393-0203</b>
450980	C/R	<b>330-3110</b>				
450981	C/R	<b>330-3111</b>				
450982	C/R	<b>330-3112</b>				

ⓧ Discontinued part numbers, refer to Engineering Changes for more information.

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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# 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®
450983	C/R	<b>330-3113</b>				
450984	C/R	<b>330-3114</b>				
450985	C/R	<b>330-3115</b>				
45099	C/R Classic		<b>392-9094</b>	<b>309-0903</b>	<b>393-0103</b>	<b>393-0203</b>
45102	C/R		<b>382-8056</b> ⓧ	<b>308-0856</b>	<b>383-0156</b>	
45103	C/R Classic		<b>382-8056</b> ⓧ	<b>308-0856</b>	<b>383-0156</b>	
45108	C/R		<b>392-9094</b>	<b>309-0903</b>	<b>393-0103</b>	<b>393-0203</b>
45115	C/R		<b>392-9088</b>	<b>309-0964</b>		
45149	C/R		<b>392-9088</b>	<b>309-0964</b>		
45150	C/R		<b>392-9088</b>	<b>309-0964</b>		
45152	C/R		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
45157	C/R PlusXL		<b>392-9088</b>	<b>309-0964</b>		
45158	C/R		<b>392-9088</b>	<b>309-0964</b>		
45160	C/R Classic		<b>392-9088</b>	<b>309-0964</b>		
45162	C/R		<b>372-7017</b> ⓧ			
453027C1	Navistar		<b>392-9001</b>			
453644	C/R	<b>330-3122/3067</b>				
453645	C/R	<b>330-3025</b>				
453646	C/R	<b>330-3105</b>				
4543V	National	<b>460-6011</b>				
455001	C/R	<b>310-1050</b>				
455004	C/R	<b>310-1035</b> ⓧ				
455011	C/R	<b>310-1010</b> ⓧ				
455014	C/R	<b>310-1029</b> ⓧ				
455019	C/R	<b>310-1095</b> ⓧ				
455022	National		<b>372-7008</b> ⓧ			
455023	C/R	<b>357-5706</b>				
455030	C/R	<b>310-1044</b> ⓧ				
455031	C/R	<b>310-1038</b> ⓧ				
455033	C/R	<b>310-1011</b> ⓧ				
455034	C/R	<b>310-1041</b>				
455035	C/R	<b>310-1032</b> ⓧ				
455037	C/R	<b>310-1051</b>				
455052	C/R	<b>310-1051</b>				
455058	National		<b>392-9112</b>	<b>309-0904</b>	<b>393-0104</b>	<b>393-0204</b>
455060	National		<b>392-9096</b>	<b>309-0965</b>		
455062	National		<b>392-9088</b>	<b>309-0964</b>		
455068	National		<b>392-9019</b>			
455070	National		<b>392-9007</b>			
455091	National		<b>392-9034</b> ⓧ			
455137	National		<b>382-8017</b>			
455173	National		<b>392-9036</b>			
455188	National		<b>382-8023</b> ⓧ			
455188	National		<b>382-8039</b> ⓧ		<b>383-0139</b>	<b>383-0239</b>
455200	National		<b>392-9033</b> ⓧ			
455209	National		<b>382-8060</b>			
455211	National		<b>372-7097</b>	<b>307-0743</b>	<b>373-0143</b>	<b>373-0243</b>
455285	National		<b>392-9007</b>			
455355	National		<b>382-8066</b>	<b>308-0866</b>	<b>383-0166</b>	
455513	National		<b>382-8001</b> ⓧ			
455547	National		<b>392-9010</b> ⓧ			
455858	National		<b>392-9035</b>	<b>309-0935</b>		
455958	National		<b>392-9099</b>	<b>309-0912/0915</b>	<b>393-0112</b>	<b>393-0212</b>
4563V	National	<b>460-6003</b>				
4564V	National	<b>460-6005</b> ⓧ				
456618	National		<b>392-9099</b>	<b>309-0912/0915</b>	<b>393-0112</b>	<b>393-0212</b>
456865N	National		<b>392-9007</b>			

ⓧ Discontinued part numbers, refer to Engineering Changes for more information.

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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®.

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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®	
45742	Great Dane	<b>330-3009</b>					
45951	Great Dane	<b>320-2110</b>					
45952	Great Dane	<b>315-1504</b>					
46200	C/R		<b>392-9094</b>	<b>309-0903</b>	<b>393-0103</b>	<b>393-0203</b>	
46211	C/R		<b>392-9094</b>	<b>309-0903</b>	<b>393-0103</b>	<b>393-0203</b>	
46300	C/R PlusXL		<b>372-7097</b>	<b>307-0743</b>	<b>373-0143</b>	<b>373-0243</b>	
46304	C/R		<b>372-7097</b>	<b>307-0743</b>	<b>373-0143</b>	<b>373-0243</b>	
46305	C/R Classic		<b>372-7097</b>	<b>307-0743</b>	<b>373-0143</b>	<b>373-0243</b>	
46306	C/R		<b>372-7097</b>	<b>307-0743</b>	<b>373-0143</b>	<b>373-0243</b>	
46308	C/R LongLife		<b>372-7097</b>	<b>307-0743</b>	<b>373-0143</b>	<b>373-0243</b>	
46324	C/R		<b>392-9088</b>	<b>309-0964</b>			
46331	C/R		<b>392-9088</b>	<b>309-0964</b>			
46390	C/R		<b>372-7022</b>				
46390	C/R		<b>372-7099</b>	<b>307-0723</b>	<b>373-0123</b>	<b>373-0223</b>	
465510C91	Navistar	<b>320-2164</b>					
46841	Victor		<b>372-7099</b>	<b>307-0723</b>	<b>373-0123</b>	<b>373-0223</b>	
469844C1	Navistar		<b>382-8066</b>	<b>308-0866</b>	<b>383-0166</b>		
469845C1	Navistar		<b>392-9036</b>				
47017	Great Dane	<b>347-4009</b>					
47245	C/R		<b>392-9111</b>				
472HH101	Dana	<b>460-6007</b>					
47394	C/R		<b>372-7098</b>	<b>307-0713</b>	<b>373-0113</b>	<b>373-0213</b>	
47394	C/R		<b>392-9032</b>				
47483	C/R		<b>392-9066</b>				
47548	Great Dane	<b>343-4195</b>					
47549	Great Dane	<b>343-4009</b>					
47550	Great Dane	<b>343-4075</b>					
47555	Great Dane		<b>372-7099</b>	<b>307-0723</b>	<b>373-0123</b>	<b>373-0223</b>	
47556	Great Dane		<b>372-7097</b>	<b>307-0743</b>	<b>373-0113</b>	<b>373-0213</b>	
47690	C/R		<b>392-9132</b>	<b>309-0960</b>			
47691/47692	C/R PlusXL		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>	
47693	C/R LongLife		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>	
47694	C/R		<i>Narrow version of 47695 for ABS</i>				
47695	C/R		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>	
47696	C/R		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>	
47697	C/R Classic		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>	
47698	C/R	<i>Same as 47697 used for worn hubs or oversize seal bore</i>					
47699	C/R		<b>392-9087</b>	<b>309-0970</b>			
47802	Victor		<b>392-9096</b>	<b>309-0965</b>			
47803	Victor		<b>392-9132</b>	<b>309-0960</b>			
48000	C/R Classic		<b>392-9132</b>	<b>309-0960</b>			
48001	C/R		<b>392-9132</b>	<b>309-0960</b>			
48001	C/R		<b>392-9081</b>				
48002	C/R PlusXL		<b>392-9081</b>	<b>309-0960</b>			
48086	Victor		<b>372-7097</b>	<b>307-0743</b>	<b>373-0143</b>	<b>373-0243</b>	
48088	Victor		<b>372-7098</b>	<b>307-0713</b>	<b>373-0113</b>	<b>373-0213</b>	
48089	Victor		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>	
48090	Victor		<b>382-8036</b>	<b>308-0836</b>	<b>383-0136</b>	<b>383-0236</b>	
48091	Victor		<b>392-9099</b>	<b>309-0912/0915</b>	<b>393-0112</b>	<b>393-0212</b>	
48093	Victor		<b>392-9088</b>	<b>309-0964</b>			
48095	Victor		<b>392-9094</b>	<b>309-0903</b>	<b>393-0103</b>	<b>393-0203</b>	
48096	Victor		<b>392-9035</b>	<b>309-0935</b>			
48097	Victor		<b>382-8056</b> ☒	<b>308-0856</b>	<b>383-0156</b>		
48098	Victor		<b>392-9112</b>	<b>309-0904</b>	<b>393-0104</b>	<b>393-0204</b>	
48297	C/R		<b>372-7025</b> ☒				
48297	C/R		<b>392-9021</b> ☒				
48297	C/R		<b>392-9046</b> ☒				

☒ Discontinued part numbers, refer to Engineering Changes for more information.

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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# Cross Reference

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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®
48298	C/R	320-2001 w/310-1021				
48690	C/R Classic				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	
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				
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			
530088	Fruehauf	448-4836				
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		

☒ Discontinued part numbers, refer to Engineering Changes for more information.

☒ 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®
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
5481	Navistar		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				

☒ Discontinued part numbers, refer to Engineering Changes for more information.

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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# 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®
61044G	TriSeal	<b>330-3044</b>				
61045G	TriSeal	<b>330-3045</b>				
61046G	TriSeal	<b>330-3046</b>				
61047G	TriSeal	<b>330-3047</b> ⓧ				
61054G	TriSeal	<b>330-3054</b>				
61056G	TriSeal	<b>330-3056</b>				
61060G	TriSeal	<b>330-3060</b>				
61062G	TriSeal	<b>330-3062</b>				
61066G	TriSeal	<b>330-3066</b>				
61067G	TriSeal	<b>330-3067</b>				
61076G	TriSeal	<b>330-3076</b> ⓧ				
61077G	TriSeal	<b>330-3077</b>				
61079G	TriSeal	<b>330-3079</b>				
61080G	TriSeal	<b>330-3080</b>				
61090G	TriSeal	<b>330-3090</b>				
61094G	TriSeal	<b>330-3094</b>				
61105G	TriSeal	<b>330-3105</b>				
61106G	TriSeal	<b>330-3106</b>				
61107G	TriSeal	<b>330-3107</b>				
61108G	TriSeal	<b>330-3108</b>				
61109G	TriSeal	<b>330-3109</b>				
61111G	TriSeal	<b>330-3111</b>				
61112G	TriSeal	<b>330-3112</b>				
61113G	TriSeal	<b>330-3113</b>				
61114G	TriSeal	<b>330-3114</b>				
62001	TriSeal	<b>355-5501</b> ⓧ				
62002	TriSeal	<b>355-5502</b> ⓧ				
62003	TriSeal	<b>355-5503</b> ⓧ				
62005	TriSeal	<b>355-5505</b> ⓧ				
62006	TriSeal	<b>355-5506</b> ⓧ				
62007	TriSeal	<b>355-5507</b> ⓧ				
62010	TriSeal	<b>355-5510</b> ⓧ				
62016	TriSeal	<b>355-5516</b> ⓧ				
6270	National		<b>372-7018</b> ⓧ			
6270	National		<b>382-8029</b> ⓧ			
6270	National		<b>392-9018</b>			
63003	TriSeal	<b>310-1003</b> ⓧ				
63005	TriSeal	<b>310-1005</b>				
63006	TriSeal	<b>310-1006</b> ⓧ				
63007	TriSeal	<b>310-1007</b>				
63008	TriSeal	<b>310-1008</b>				
63009	TriSeal	<b>310-1009</b>				
63010	TriSeal	<b>310-1010</b> ⓧ				
63011	TriSeal	<b>310-1011</b> ⓧ				
63012	TriSeal	<b>310-1012</b> ⓧ				
63013	TriSeal	<b>310-1013</b>				
63014	TriSeal	<b>310-1014</b> ⓧ				
63017	TriSeal	<b>310-1017</b>				
63018	TriSeal	<b>310-1018</b>				
63021	TriSeal	<b>310-1021</b> ⓧ				
63026	TriSeal	<b>310-1026</b> ⓧ				
63028	TriSeal	<b>310-1028</b> ⓧ				
63029	TriSeal	<b>310-1029</b> ⓧ				
63032	TriSeal	<b>310-1032</b> ⓧ				
63034	TriSeal	<b>310-1034</b> ⓧ				
63035	TriSeal	<b>310-1035</b> ⓧ				
63037	TriSeal	<b>310-1037</b> ⓧ				

ⓧ Discontinued part numbers, refer to Engineering Changes for more information.

■ 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®
63038	TriSeal	<b>310-1038</b> ⓧ				
63041	TriSeal	<b>310-1041</b>				
63043	TriSeal	<b>310-1043</b>				
63044	TriSeal		<b>310-1044</b> ⓧ			
63047	TriSeal		<b>310-1047</b> ⓧ			
63050	TriSeal		<b>310-1050</b>			
63051	TriSeal		<b>310-1051</b>			
63052	TriSeal		<b>310-1052</b>			
63053	TriSeal		<b>310-1053</b>			
63054	TriSeal		<b>310-1054</b> ⓧ			
63057	TriSeal		<b>310-1057</b>			
63062	TriSeal		<b>310-1062</b>			
63063	TriSeal		<b>310-1063</b>			
63064	TriSeal		<b>310-1064</b>			
63079	TriSeal		<b>310-1079</b>			
63080	TriSeal		<b>310-1080</b> ⓧ			
63083	TriSeal		<b>310-1083</b> ⓧ			
63088	TriSeal		<b>310-1088</b>			
63091	TriSeal		<b>310-1091</b> ⓧ			
63092	TriSeal		<b>310-1092</b> ⓧ			
63093	TriSeal		<b>310-1093</b> ⓧ			
63095	TriSeal		<b>310-1095</b> ⓧ			
63H13	Crane		<b>343-4264</b>			
63H16	Crane		<b>343-4095</b>			
63H7	Crane		<b>343-4009</b>			
64002	TriSeal		<b>343-4019</b>			
64006	TriSeal		<b>343-4006</b>			
64009	TriSeal		<b>343-4009</b>			
64009H	TriSeal		<b>347-4009</b>			
64012	TriSeal		<b>343-4012</b> ⓧ			
64013	TriSeal		<b>343-4013</b>			
64014	TriSeal		<b>340-4014</b> ⓧ			
64018	TriSeal		<b>343-4018</b> ⓧ			
64024	TriSeal		<b>343-4024</b>			
64025	TriSeal		<b>343-4025</b>			
64028	TriSeal		<b>343-4028</b>			
64029	TriSeal		<b>343-4186</b>			
64034	TriSeal		<b>343-4034</b>			
64042	TriSeal		<b>343-4042</b>			
64046	TriSeal		<b>343-4046</b>			
64046	TriSeal		<b>343-4095</b>			
64046	TriSeal		<b>343-4249</b>			
64049	TriSeal		<b>343-4049</b>			
64059	TriSeal		<b>343-4059</b>			
64065	TriSeal		<b>343-4065</b>			
64066	TriSeal		<b>343-4066</b>			
64075A	TriSeal		<b>343-4075</b>			
64075G	TriSeal		<b>342-4075</b>			
64075P	TriSeal		<b>340-4975</b>			
64092	TriSeal		<b>343-4092</b>			
64098	TriSeal		<b>343-4098</b>			
64249	TriSeal		<b>343-4249</b>			
64656	Eaton		<b>460-6006</b>			
64999	TriSeal		<b>359-5990</b>			
65000U	TriSeal			<b>382-8053</b> ⓧ	<b>308-0853</b>	<b>383-0153</b>
65000W	TriSeal			<b>382-8052</b>		
65000W	TriSeal			<b>382-8053</b> ⓧ	<b>308-0853</b>	<b>383-0153</b>

ⓧ Discontinued part numbers, refer to Engineering Changes for more information.

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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# 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®
65005	TriSeal			382-8009		
65011W	TriSeal			392-9035	309-0935	
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			

☒ Discontinued part numbers, refer to Engineering Changes for more information.

☒ 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®
65269W	TriSeal		<b>392-9001</b>			
65269W	TriSeal					
65270U	TriSeal		<b>392-9094</b>	<b>309-0903</b>	<b>393-0103</b>	<b>393-0203</b>
65270W	TriSeal		<b>392-9094</b>	<b>309-0903</b>	<b>393-0103</b>	<b>393-0203</b>
65271W	TriSeal		<b>372-7026</b> ☒			
65271W	TriSeal		<b>372-7027</b> ☒			
65271W	TriSeal		<b>372-7028</b> ☒			
65271W	TriSeal		<b>372-7091</b> ☒		<b>373-0191</b>	
65272W	TriSeal		<b>392-9094</b>	<b>309-0903</b>	<b>393-0103</b>	<b>393-0203</b>
65275	TriSeal		<b>392-9010</b> ☒			
65276	TriSeal		<b>392-9099</b>	<b>309-0912/0915</b>	<b>393-0112</b>	<b>393-0212</b>
65277W	TriSeal		<b>392-9095</b>	<b>309-0961</b>		
65280	TriSeal		<b>372-7046</b>			
65280	TriSeal		<b>382-8018</b> ☒			
65283U	TriSeal		<b>392-9087</b>	<b>309-0970</b>		
65283W	TriSeal		<b>392-9087</b>	<b>309-0970</b>		
65285W	TriSeal		<b>392-9092</b>	<b>309-0965</b>		
65287W	TriSeal		<b>382-8028</b>			
65287W	TriSeal		<b>392-9043</b> ☒			
65289	TriSeal		<b>382-8032</b>			
65291U	TriSeal		<b>382-8034</b>			
65291W	TriSeal		<b>382-8034</b>			
65292	TriSeal		<b>382-8035</b> ☒			
65293	TriSeal		<b>382-8010</b>			
65294	TriSeal		<b>382-8023</b> ☒			
65294	TriSeal		<b>382-8039</b> ☒			
65294U	TriSeal		<b>382-8023</b> ☒			
65294U	TriSeal		<b>382-8039</b> ☒		<b>383-0139</b>	<b>383-0239</b>
65297W	TriSeal		<b>392-9054</b> ☒			
65298U	TriSeal		<b>372-7095</b> ☒	<b>307-0744</b>	<b>373-0144</b>	
65298W	TriSeal		<b>372-7095</b> ☒	<b>307-0744</b>	<b>373-0144</b>	
65299	TriSeal		<b>372-7004</b> ☒			
65299	TriSeal		<b>372-7015</b>			
65299	TriSeal		<b>372-7017</b> ☒			
65299	TriSeal		<b>382-8045</b>			
657810	GMC/Volvo		<b>392-9057</b>	<b>309-0957</b>		
6584S	National		<b>382-8017</b>			
663043R91	Navistar		<b>392-9010</b> ☒			
663477	GMC/Volvo		<b>382-8017</b>			
663484	GMC/Volvo		<b>382-8018</b> ☒ ☒			
6635S	National		<b>392-9095</b>	<b>309-0961</b>		
6638S	National		<b>382-8036</b>	<b>308-0836</b>	<b>383-0136</b>	<b>383-0236</b>
67003	TriSeal	<b>357-5706</b> ☒				
67006	TriSeal	<b>356-5606</b>				
67007	TriSeal	<b>364-6402</b>				
67008	TriSeal	<b>364-6435</b>				
67009	TriSeal	<b>310-1103</b>				
67013	TriSeal	<b>310-1013</b>				
67014	TriSeal	<b>310-1114</b> ☒				
67023	TriSeal	<b>310-1023</b> ☒				
67036	TriSeal	<b>310-1036</b>				
67038	TriSeal	<b>310-1038</b> ☒				
67048	TriSeal	<b>310-1048</b>				
67067	TriSeal	<b>310-1067</b>				
67090	TriSeal	<b>310-1111</b> ☒				
67093	TriSeal	<b>310-1093</b> ☒				
67094	TriSeal	<b>310-1111</b> ☒				

☒ Discontinued part numbers, refer to Engineering Changes for more information.

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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# 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®
674237 675711 6780S	GMC/Volvo White National		382-8028 392-9088 382-8018 ☒	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 393-0173	393-0273 393-0273
683591 68380 685215	GMC/Volvo Eaton GMC/Volvo	320-2106	392-9057 392-9096	309-0957 309-0965		
685216 68537R1 68537R91	GMC/Volvo Navistar Navistar	320-2106	392-9021 ☒ 392-9021 ☒			
686059 6864S 686996	GMC/Volvo National GMC/Volvo	343-4066	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 69594	TriSeal TriSeal TriSeal		372-7008 ☒ 372-7003 372-7022			

☒ Discontinued part numbers, refer to Engineering Changes for more information.

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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®.

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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®
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
70012600E	Trailmobile	343-4009				
700126CD	Trailmobile	343-4013				

☒ Discontinued part numbers, refer to Engineering Changes for more information.

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3 Obsolete set, components still available.


4 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®
7003942 7006S 701661	Western Star National GMC/Volvo	<b>343-4249</b>	<b>392-9087</b>	<b>309-0970</b>		
701679 7023479 705400P	GMC/Volvo Meritor Mechanex/Barrier	<b>315-1502</b> <b>320-2115</b> <b>343-4095</b>	<b>382-8036</b>	<b>308-0836</b>	<b>383-0136</b>	<b>383-0236</b>
70541 70596 70597	TriSeal TriSeal TriSeal		<b>372-7091</b>  <b>372-7099</b> <b>372-7098</b>	<b>307-0723</b> <b>307-0713</b>	<b>373-0191</b> <b>373-0123</b> <b>373-0113</b>	<b>373-0223</b> <b>373-0213</b>
70598 70599 7074450	TriSeal TriSeal Western Star	<b>320-2106</b>	<b>372-7097</b> <b>372-7095</b>	<b>307-0743</b> <b>307-0744</b>	<b>373-0143</b> <b>373-0144</b>	<b>373-0243</b>
70781 70788 70789	TriSeal TriSeal TriSeal		<b>392-9089</b> <b>392-9112</b> <b>392-9087</b>	<b>309-0948</b> <b>309-0904</b> <b>309-0970</b>	<b>393-0148</b> <b>393-0104</b>	<b>393-0204</b>
70791 70794 70796	TriSeal TriSeal TriSeal		<b>392-9088</b> <b>392-9099</b> <b>392-9094</b>	<b>309-0964</b> <b>309-0912/0915</b> <b>309-0903</b>	<b>393-0112</b> <b>393-0103</b>	<b>393-0212</b> <b>393-0203</b>
70797 70798 70799	TriSeal TriSeal TriSeal		<b>392-9096</b> <b>392-9132</b> <b>392-9131</b>	<b>309-0965</b> <b>309-0960</b> <b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
710356 710536 712832	GMC/Volvo GMC/Volvo GMC/Volvo	<b>382-8034</b>	<b>382-8017</b> <b>382-8017</b>			
712834 719021 720659	GMC/Volvo C/R GMC/Volvo	<b>330-3077</b>	<b>392-9099</b> <b>372-7097</b>	<b>309-0912/0915</b> <b>307-0743</b>	<b>393-0112</b> <b>373-0143</b>	<b>393-0212</b> <b>373-0243</b>
730001 730003 730003	National National National	<b>330-3028</b> <b>330-3025</b> <b>330-3035</b>				
730004 730005 730006	National National National	<b>330-3024</b> <b>330-3008</b>  <b>330-3046</b>				
730008 730009 730016	National National National	<b>330-3040</b> <b>330-3019</b> <b>330-3041</b>				
730017 730018 730019	National National National	<b>330-3044</b> <b>330-3006</b> <b>330-3031</b>				
730022 730024 730026	National National National	<b>330-3011</b> <b>330-3060</b> <b>330-3012</b>				
730027 730030 730031	National National National	<b>330-3034</b> <b>330-3056</b> <b>330-3037</b>				
730149 733067 733105	National National National	<b>330-3097</b> <b>330-3009/3067</b> <b>330-3105</b>				
733106 733107 733108	National National National	<b>330-3106</b> <b>330-3107</b> <b>330-3108</b>				
733109 733110 733111	National National National	<b>330-3109</b> <b>330-3110</b> <b>330-3111</b>				
733112 733113 733114	National National National	<b>330-3112</b> <b>330-3113</b> <b>330-3114</b>				

 Discontinued part numbers, refer to Engineering Changes for more information.

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 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®
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> ⓧ				
820394	Eaton	<b>447-4743</b>				
820395	Eaton	<b>447-4743</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>		
854945	GMC/Volvo	<b>460-6005</b> ⓧ				
855	NOK		<b>382-8053</b> ⓧ	<b>308-0853</b>	<b>383-0153</b>	
856	NOK		<b>392-9094</b>	<b>309-0903</b>	<b>393-0103</b>	<b>393-0203</b>
857	NOK		<b>382-8056</b> ⓧ	<b>308-0856</b>	<b>383-0156</b>	

ⓧ Discontinued part numbers, refer to Engineering Changes for more information.

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.

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Competitive Part No.	Competitor's Name	STEMCO Misc Products	STEMCO Std/ Grit Guard®	STEMCO Guardian®	STEMCO Voyager®	STEMCO Discover®
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
88AX354P2	Mack	429-0009				
88AX372	Mack		392-9098	309-0948	393-0148	
88AX374	Mack		392-9007			
88AX375	Mack		392-9089	309-0948	393-0148	
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				
88AX443	Mack		392-9081	309-0960		
88AX448	Mack		392-9112	309-0904	393-0104	393-0204
88AX450	Mack		392-9132	309-0960		
88AX456	Mack	429-0008				

ⓧ Discontinued part numbers, refer to Engineering Changes for more information.

■ 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.  
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®
88AX457	Mack	<b>429-0009</b>				
88AX458	Mack	<b>429-0002</b>				
88AX461	Mack		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
88AX466	Mack		<b>392-9112</b>	<b>309-0904</b>	<b>393-0104</b>	<b>393-0204</b>
88AX467	Mack		<b>392-9094</b>	<b>309-0903</b>	<b>393-0103</b>	<b>393-0203</b>
88AX469	Mack		<b>382-8064</b>	<b>308-0864</b>	<b>383-0164</b>	<b>383-0264</b>
88AX59	Mack		<b>392-9032</b>			
88AX59P3	Mack		<b>392-9032</b>			
88AX65	Mack		<b>392-9007</b>			
88AX70	Mack		<b>382-8011</b>			
88AX72	Mack		<b>392-9019</b> 			
88AX97	Mack		<b>382-8011</b>			
88AZ110	Mack	<b>320-2039</b> 				
88AZ110P1	Mack		<b>382-8039</b> 		<b>383-0139</b>	<b>383-0239</b>
891016	Western Star	<b>320-2001</b>				
896941R91	Navistar		<b>382-8064</b>	<b>308-0864</b>	<b>383-0164</b>	<b>383-0264</b>
8976S	National		<b>382-8009</b>			
898235R92	Navistar	<b>320-2114</b>				
898235R93	Navistar		<b>392-9096</b>	<b>309-0965</b>		
900868	Trailmobile	<b>343-4075</b>				
9015S	National		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
9022299832	Heil	<b>343-4075</b>				
9022299868	Heil		<b>372-7099</b>	<b>307-0723</b>	<b>373-0123</b>	<b>373-0223</b>
90501017	Trailmobile		<b>372-7097</b>	<b>307-0743</b>	<b>373-0143</b>	<b>373-0243</b>
90501018	Trailmobile	<b>320-2023</b>				
90501019	Trailmobile	<b>315-1503</b>				
9128S	National		<b>392-9045</b>			
9156004	GMC/Volvo	<b>310-1010</b>				
921010001	Western Star	<b>330-3097</b>				
921010002	GMC/Volvo	<b>343-4024</b>				
921010003	GMC/Volvo	<b>343-4046</b>				
921010005	GMC/Volvo	<b>343-4042</b>				
921010006	GMC/Volvo	<b>343-4042</b>				
921010007	GMC/Volvo	<b>343-4042</b>				
921010008	GMC/Volvo	<b>343-4042</b>				
921010009	GMC/Volvo	<b>340/343-4009</b>				
921010024	GMC/Volvo	<b>340-4119</b>				
921010034	GMC/Volvo	<b>343-4095</b>				
921010043	GMC/Volvo	<b>343-4281</b>				
921015015	GMC/Volvo	<b>343-4009</b>				
921020001	GMC/Volvo	<b>330-3097</b>				
921030002	GMC/Volvo	<b>359-5990</b>				
925172R91	Navistar		<b>382-8028</b>			
925173R91	Navistar		<b>382-8028</b>			
92794	GMC/Volvo	<b>460-6005</b> 				
93333R91	Navistar		<b>382-8017</b>			
9339S	National		<b>382-8036</b>	<b>308-0836</b>	<b>383-0136</b>	<b>383-0236</b>
940010001	GMC/Volvo		<b>382-8064</b>	<b>308-0864</b>	<b>383-0164</b>	<b>383-0264</b>
940010002	GMC/Volvo	<b>320-2099</b>				
940010002	Western Star	<b>320-2099</b>				
940010003	GMC/Volvo		<b>392-9062</b>			
940010004	GMC/Volvo	<b>320-2036</b> 				
940010004	Western Star	<b>320-2036</b> 				
940010005	GMC/Volvo	<b>320-2137</b>				
940010005	Western Star	<b>320-2137</b>				
940010006	GMC/Volvo		<b>372-7097</b>	<b>307-0743</b>	<b>373-0143</b>	<b>373-0243</b>
940010007	GMC/Volvo		<b>392-9053</b>			

 Discontinued part numbers, refer to Engineering Changes for more information.

 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.  
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®
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				
968191R92	Navistar	343-4036				
971118R1	Navistar					
972401R91	Navistar		392-9099	309-0912/0915		

Ⓢ Discontinued part numbers, refer to Engineering Changes for more information.

📌 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®
972424R91	Navistar	460-6012	392-9131	309-0973	393-0173	393-0273
974526R91	Navistar		392-9021 ☒			
974644R1	Navistar					
974644R1	Navistar		392-9046 ☒			
974644R91	Navistar		392-9021 ☒			
974644R91	Navistar		392-9046 ☒			
982259R91	Navistar		392-9001			
983006R91	Navistar		392-9095	309-0961		
983570R1	Navistar		392-9131	309-0973	393-0173	393-0273
992481C91	Navistar		382-8066	308-0866	383-0166	
992484C91	Navistar		382-8056 ☒	308-0856	383-0156	
992485C91	Navistar		382-8056 ☒	308-0856	383-0156	
A11244C393	Meritor	310-1095 ☒				
A1205A1925	Meritor	460-6004				
A1205B1250	Meritor	320-2110				
A1205B1926	Meritor	460-6011				
A1205B2264	Meritor		382-8036	308-0836	383-0136	383-0236
A1205B574	Meritor		392-9057	309-0957		
A1205C1381	Meritor	320-2105				
A1205C1719	Meritor		382-8071			
A1205C1875	Meritor		372-7098	307-0713	373-0113	373-0213
A1205C1875	Meritor		392-9032			
A1205C1927	Meritor	460-6007				
A1205C2343	Meritor		372-7097	307-0743	373-0143	373-0243
A1205D1070	Meritor	320-2137				
A1205D2526	Meritor		392-9099	309-0912	393-0112	393-0212
A1205D2578	Meritor		382-8064	308-0864	383-0164	383-0264
A1205E1071	Meritor	320-2036 ☒				
A1205E1253	Meritor		392-9057	309-0957		
A1205E1799	Meritor		372-7098	307-0713	373-0113	373-0213
A1205E2475	Meritor		382-8036	308-0836	383-0136	383-0236
A1205F136	Meritor		382-8001 ☒		383-0101	
A1205F2554	Meritor		382-8066	308-0866	383-0166	
A1205G1515	Meritor		382-8063	308-0863		
A1205G2191	Meritor		372-7097	307-0743	373-0143	373-0243
A1205G2503	Meritor		392-9099	309-0912	393-0112	393-0212
A1205G631	Meritor		382-8036	308-0836	383-0136	383-0236
A1205G735	Meritor		392-9038			
A1205H1100	Meritor	320-2061				
A1205H762	Meritor		382-8028			
A1205J1934	Meritor	460-6005 ☒				
A1205J2194	Meritor		392-9131	309-0973	393-0173	393-0273
A1205J2350	Meritor		392-9132	309-0960		
A1205J2428	Meritor	460-6011				
A1205J634	Meritor		392-9095	309-0961		
A1205J998	Meritor	460-6001				
A1205K1285	Meritor	320-2106				
A1205K2013	Meritor		382-8001 ☒		383-0101	
A1205K2351	Meritor		372-7099	307-0723	373-0123	373-0223
A1205K999	Meritor		372-7097	307-0743	373-0143	373-0243
A1205L1338	Meritor		382-8036	308-0836	383-0136	383-0236
A1205L1546	Meritor		392-9034 ☒		393-0134	
A1205L1598	Meritor		372-7097	307-0743	373-0143	373-0243
A1205L2352	Meritor		392-9131	309-0973	393-0173	393-0273
A1205L714	Meritor	460-6003				
A1205M1339	Meritor		382-8064	308-0864		
A1205M1625	Meritor		392-9033 ☒			

☒ Discontinued part numbers, refer to Engineering Changes for more information.

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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# 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®
A1205M897	Meritor		372-7098	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		392-9034 ☒		393-0134	
A1205Q1889	Meritor		372-7099	307-0713	373-0123	373-0223
A1205Q1915	Meritor	460-6012				
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		392-9131	309-0973	393-0173	393-0273
A1205U1659	Meritor	320-2099				
A1205U1711	Meritor	320-2133				
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		392-9087	309-0970		
A1205V1192	Meritor	320-2086				
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		372-7099	307-0723	373-0123	373-0223
A1205Y727	Meritor	460-6006				
A1205Z1638	Meritor		382-8045			
A1205Z1742	Meritor	320-2104				
A1205Z1820	Meritor		392-9053			
A1205Z2470	Meritor		392-9099	309-0912/0915		
A1205Z364	Meritor		382-8001 ☒			
A1205Z780	Meritor	382-8064	308-0864			
A1244C393	Meritor	310-1095 ☒				
A1244V1556	Meritor	310-1093 ☒				
A-1227-A-105	Meritor	448-4836				
A-1227-S-331	Meritor	449-4973				
A1805E369	Meritor		382-8017			

☒ Discontinued part numbers, refer to Engineering Changes for more information.

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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# 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®
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
ACE-8510-001	Fruehauf	447-4723				
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 ☒				
AX12-1500	Axilok	448-4836				
AX12-3250	Axilok	449-4973				
AX12-3480	Axilok	447-4723				
AX12-3500	Axilok	447-4724				
AX16-2625	Axilok	447-4743				
AX18-1500	Axilok	448-4837				
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		

☒ Discontinued part numbers, refer to Engineering Changes for more information.

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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# 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®
C9HZ1175B	Ford		392-9088	309-0964		
C9HZ1190A	Ford		382-8044			
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		
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		
D5H-3104A	Ford	448-4837				
D5HA1175AA	Ford	320-2106				
D5HZ1175A	Ford		392-9131	309-0973	393-0173	393-0273

Discontinued part numbers, refer to Engineering Changes for more information.

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®
D5HZ1190A	Ford		<b>382-8063</b>	<b>308-0863</b>		
D5HZ1190B	Ford		<b>382-8036</b>	<b>308-0836</b>	<b>383-0136</b>	<b>383-0236</b>
D5HZ1190C	Ford		<b>382-8064</b>	<b>308-0864</b>	<b>383-0164</b>	<b>383-0264</b>
D5HZ1190D	Ford		<b>382-8064</b>	<b>308-0864</b>	<b>383-0164</b>	<b>383-0264</b>
D5HZ1190E	Ford		<b>382-8063</b>	<b>308-0863</b>		
D7HD1173AA	Ford	<b>310-1089</b>				
D7HD1175AA	Ford	<b>320-2099</b>				
D7HT1173BA	Ford	<b>315-1502</b>				
D7HT1175BA	Ford	<b>320-2001</b>				
D7HZ1175D	Ford		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
D7HZ1175E	Ford		<b>392-9001</b>			
D7HZ4255A	Ford	<b>449-4974</b>				
D7HZ4245A	Ford	<b>449-4974</b>				
D8HT1173AA	Ford	<b>315-1501</b>				
DG516P	Dual Dynamics	<b>340-4013</b>				
DG516PS	Dual Dynamics	<b>343-4013</b>				
DG6F	Dual Dynamics	<b>340-4046</b>				
DG6F4.5	Dual Dynamics	<b>340-4024</b>				
DG6FL	Dual Dynamics	<b>340-4249</b>				
DG6P	Dual Dynamics	<b>340-4009</b>				
DG6PS	Dual Dynamics	<b>343-4009</b>				
DGP	Dual Dynamics	<b>340-4075</b>				
DGPS	Dual Dynamics	<b>343-4075</b>				
E-540	Euclid	<b>447-4743</b>				
E-572	Euclid	<b>447-4743</b>				
E-576	Euclid	<b>448-4836</b>				
E-1087	Euclid	<b>448-4836</b>				
E-2296	Euclid	<b>448-4836</b>				
E-2299	Euclid	<b>448-4836</b>				
E-2303	Euclid	<b>449-4973</b>				
E-2305	Euclid	<b>449-4973</b>				
E-2420	Euclid	<b>447-4743</b>				
E-2422	Euclid	<b>447-4743</b>				
E-2460	Euclid	<b>447-4743</b>				
E-2466	Euclid	<b>449-4973</b>				
E-2468	Euclid	<b>449-4973</b>				
E-2550	Euclid	<b>447-4723</b>				
E-4861	Euclid	<b>448-4837</b>				
E-6140	Euclid	<b>449-4973</b>				
E0HZ1A131B	Ford	<b>359-5915</b>				
E1HT1175BA	Ford		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
E1HZ1175A	Ford		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
E1HZ1175B	Ford		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
E2HT1190AA	Ford		<b>382-8036</b>	<b>308-0836</b>	<b>383-0136</b>	<b>383-0236</b>
E2HT1190BA	Ford		<b>382-8064</b>	<b>308-0864</b>	<b>383-0164</b>	<b>383-0264</b>
E2HZ1175A	Ford		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
E2HZ1177A	Ford		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
E2HZ4478A	Ford	<b>460-6004</b>				
E3HS1131AA	Ford	<b>343-4009</b>				
E3HZ1190A	Ford		<b>382-8027</b>			
E3HZ1190B	Ford		<b>382-8036</b>	<b>308-0836</b>	<b>383-0136</b>	<b>383-0236</b>
E3HZ1190C	Ford		<b>382-8064</b>	<b>308-0864</b>	<b>383-0164</b>	<b>383-0264</b>
E3HZ4676A	Ford	<b>460-6002</b>				
E4HS-4255-AA	Ford	<b>449-4973</b>				
E4HT1175AA	Ford		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
E4HZ1131A	Ford	<b>343-4186</b>				
E4HZ1131B	Ford	<b>343-4186</b>				

Ⓢ Discontinued part numbers, refer to Engineering Changes for more information.

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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# 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®
E4HZ1175B	Ford		392-9131	309-0973	393-0173	393-0273
E5HT1175CA	Ford		392-9099	309-0912, 0915 2		
E5HT1175GA	Ford		392-9131	309-0973	393-0173	393-0273
E5HT1190AA	Ford		382-8063	308-0863		
E5HZ1131A	Ford	343-4046				
E5HZ1131B	Ford	343-4095				
E5HZ1190A	Ford		382-8063	308-0863		
E5TZ1177B	Ford		392-9035	309-0935		
E6HT1175AA	Ford		392-9099	309-0912, 0915 2		
E6HZ1175C	Ford		392-9099	309-0912, 0915 2		
E6HZ1175E	Ford		392-9099	309-0912, 0915 2		
E6HZ1190A	Ford		382-8063	308-0863		
E6HZ1190D	Ford		382-8036	308-0836	383-0136	
E7HT1175AA	Ford		392-9035	309-0935		
E7HT1190AA	Ford		382-8036	308-0836	383-0136	383-0236
E7HZ1175A	Ford		392-9035	309-0935		
E7HZ1190A	Ford		382-8036	308-0836	383-0136	383-0236
E8HS1175BA	Ford		392-9131	309-0973	393-0173	393-0273
E8HS1175CA	Ford		392-9131	309-0973	393-0173	393-0273
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		
FOHT1190AA	Ford		382-8036	308-0836	383-0136	383-0236
FOTZ1177A	Ford		392-9035	309-0935		
FOTZ1177AA	Ford		392-9035	309-0935		
F-940	Eaton	447-4743				
F-941	Eaton	447-4743				
F-1529	Eaton	447-4743				
F-1530	Eaton	447-4743				
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 2		
F1HT1131AA	Ford	343-4065				
F1HZ1175A	Ford		392-9099	309-0912, 0915 2		
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
F2HS3276AA	Ford	448-4837				
F2HT1175AA	Ford		392-9099	309-0912, 0915 2		
F2HZ1175A	Ford		392-9035	309-0935		
F2HZ1175B	Ford		392-9099	309-0912, 0915 2		
F2HZ1175C	Ford		392-9131	309-0973	393-0173	393-0273
F2TZ1175A	Ford		382-8017			
F3HS1175AA	Ford		392-9099	309-0912, 0915 2		
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				

2 Discontinued part numbers, refer to Engineering Changes for more information.

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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# 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®
H1004324	Monon	<b>315-1504</b>				
H1004325	Monon	<b>343-4009</b>				
H1004326	Monon	<b>330-3009</b>				
HI036513	Monon				<b>373-0113</b>	
HS1643	Mechanex/Barrier	<b>343-4249</b>				
HS34386	Mechanex/Barrier		<b>392-9035</b>	<b>309-0935</b>		
HS34972	Mechanex/Barrier		<b>382-8063</b>	<b>308-0863</b>		
HS34999	Mechanex/Barrier		<b>392-9036</b>			
HS35059	Mechanex/Barrier		<b>382-8036</b>	<b>308-0836</b>	<b>383-0136</b>	<b>383-0236</b>
HS36357	Mechanex/Barrier		<b>382-8011</b>			
HS36357	Mechanex/Barrier		<b>382-8071</b>			
HS38748	Mechanex/Barrier		<b>392-9099</b>	<b>309-0912/0915</b> ❷		
HS38779	Mechanex/Barrier		<b>392-9099</b>	<b>309-0912/0915</b> ❷		
HS40133	Mechanex/Barrier		<b>372-7098</b>	<b>307-0713</b>	<b>373-0113</b>	<b>373-0213</b>
HS40133	Mechanex/Barrier		<b>392-9032</b>			
HS42622	Mechanex/Barrier		<b>372-7099</b>	<b>307-0723</b>	<b>373-0123</b>	<b>373-0223</b>
HS42671	Mechanex/Barrier		<b>392-9112</b>	<b>309-0904</b>	<b>393-0104</b>	<b>393-0204</b>
HS43753	Mechanex/Barrier		<b>372-7095</b>	<b>307-0744</b>	<b>373-0144</b>	
HS43763	Mechanex/Barrier		<b>382-8064</b>	<b>308-0864</b>	<b>383-0164</b>	<b>383-0264</b>
HS43861	Mechanex/Barrier		<b>392-9096</b>	<b>309-0965</b>		
HS44919	Mechanex/Barrier		<b>382-8053</b> ❸	<b>308-0853</b>	<b>383-0153</b>	
HS44963	Mechanex/Barrier		<b>392-9033</b> ❸			
HS45097	Mechanex/Barrier		<b>392-9094</b>	<b>309-0903</b>	<b>393-0103</b>	<b>393-0203</b>
HS45102	Mechanex/Barrier		<b>382-8056</b> ❸	<b>308-0856</b>	<b>383-0156</b>	
HS45158	Mechanex/Barrier		<b>392-9088</b>	<b>309-0964</b>		
HS453795	Mechanex/Barrier	<b>330-3009</b>				
HS455031	Mechanex/Barrier	<b>310-1038</b> ❹				
HS455037	Mechanex/Barrier	<b>310-1051</b>				
HS456301	Mechanex/Barrier	<b>310-1011</b> ❹				
HS46304	Mechanex/Barrier		<b>372-7097</b>	<b>307-0743</b>	<b>373-0143</b>	<b>373-0243</b>
HS47245	Mechanex/Barrier		<b>392-9111</b>			
HS47694	Mechanex/Barrier		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0173</b>
HD47695	Mechanex/Barrier		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0173</b>
HS48001	Mechanex/Barrier		<b>392-9132</b>	<b>309-0960</b>		
HU007A	National	<b>340-4370</b>				
HU008A	National	<b>343-4006</b>				
HU008A	National	<b>343-4008</b>				
HU009A	National	<b>343-4009</b>				
HU009A	National	<b>343-4046</b>				
HU009A	National	<b>343-4098</b>				
HU011A	National	<b>343-4011</b>				
HU012A	National	<b>343-4012</b> ❺				
HU013A	National	<b>343-4013</b>				
HU014A	National	<b>340-4014</b> ❺				
HU019A	National	<b>343-4002</b>				
HU019A	National	<b>343-4019</b>				
HU024A	National	<b>343-4024</b>				
HU028A	National	<b>343-4028</b>				
HU028A	National	<b>343-4186</b>				
HU031A	National	<b>340-4031</b>				
HU034A	National	<b>343-4034</b>				
HU036A	National	<b>343-4025</b>				
HU036A	National	<b>343-4036</b>				
HU036A	National	<b>343-4092</b>				
HU037A	National	<b>343-4037</b>				
HU039A	National	<b>343-4198</b>				
HU042A	National	<b>343-4042</b>				

❸ Discontinued part numbers, refer to Engineering Changes for more information.

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®.


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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®
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 				
K1501	Ceromet	450-4836				
K1502	Ceromet	450-4837				
K2625	Ceromet	450-4743				
K3250	Ceromet	450-4973				
K3480	Ceromet	450-4723				
KBE-10227	Fruehauf	448-4836				
L-176	Leland	447-4743				
L-178	Leland	447-4743				
L-195	Leland	448-4836				
L-1331	Leland	448-4836				
L-1334	Leland	448-4836				
L-1347	Leland	447-4743				
L-1349	Leland	447-4743				
L-1353	Leland	449-4973				
L-1355	Leland	449-4973				
L-1359	Leland	447-4743				
L-1361	Leland	447-4743				
L-1365	Leland	449-4973				
L-1367	Leland	449-4973				
L-1395	Leland	447-4723				
M10312-001	Spicer-Dana	447-4743				
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				
M10GH124	Spicer-Dana	330-3024				
M10HG127	Spicer-Dana	330-3079				
M10HH101	Spicer-Dana	320-2109				
M10HH102	Spicer-Dana	320-2110				
M10HH1031	Spicer-Dana	320-2046 				
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				

 Discontinued part numbers, refer to Engineering Changes for more information.

 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®
M10HK182	Spicer-Dana	<b>340/343-4009</b>				
M10HK184	Spicer-Dana	<b>343-4009</b>				
M10HK185	Spicer-Dana	<b>343-4249</b>				
M10HN101	Spicer-Dana	<b>447-4743</b>				
M10HN102	Spicer-Dana	<b>447-4743</b>				
M10HN128	Spicer-Dana	<b>448-4836</b>				
M10HN158	Spicer-Dana	<b>447-4743</b>				
M10HS101	Spicer-Dana	<b>315-1504</b>				
M10HS102	Spicer-Dana	<b>315-1507</b>				
M10HS103	Spicer-Dana	<b>310-1036</b>				
M10HS104	Spicer-Dana	<b>310-1013</b>				
M10HS106	Spicer-Dana	<b>315-1506</b>				
M10HS109	Spicer-Dana	<b>310-1043</b>				
M10HS112	Spicer-Dana	<b>315-1503</b>				
M10HS118	Spicer-Dana	<b>310-1008</b>				
M10HS125	Spicer-Dana	<b>310-1047</b> 				
M-682	BWP	<b>447-4743</b>				
M-684	BWP	<b>447-4743</b>				
M-685	BWP	<b>448-4836</b>				
M-1524	BWP	<b>448-4836</b>				
M-1956	BWP	<b>448-4836</b>				
M-1959	BWP	<b>448-4836</b>				
M-1972	BWP	<b>447-4743</b>				
M-1974	BWP	<b>447-4743</b>				
M-1978	BWP	<b>449-4973</b>				
M-1980	BWP	<b>449-4973</b>				
M-1984	BWP	<b>447-4743</b>				
M-1986	BWP	<b>447-4743</b>				
M-1990	BWP	<b>449-4973</b>				
M-1992	BWP	<b>449-4973</b>				
M-1996	BWP	<b>447-4723</b>				
NP026773	TIMKEN	<b>HM212011</b>				
NP034946	TIMKEN	<b>594A</b>				
NP053874	TIMKEN	<b>572</b>				
NP174964	TIMKEN	<b>HM518445</b>				
NP363298	TIMKEN	<b>592A</b>				
NP435398	TIMKEN	<b>3720</b>				
NP503727	TIMKEN	<b>HM218210</b>				
NP593561	TIMKEN	<b>HM518410</b>				
NP840302	TIMKEN	<b>580</b>				
NP874005	TIMKEN	<b>3782</b>				
NP899357	TIMKEN	<b>HM212049</b>				
NP965350	TIMKEN	<b>HM218248</b>				
R20148201	Strick	<b>340/343-4009</b>				
R20148202	Strick	<b>330-3009</b>				
R20148216	Strick	<b>320-2110</b>				
R20148217	Strick	<b>315-1504</b>				
R20148218	Strick	<b>343-4195</b>				
R20148219	Strick	<b>330-3118</b>				
R20148220	Strick	<b>347-4009</b>				
R20148222	Strick		<b>372-7097</b>	<b>307-0743</b>	<b>373-0143</b>	<b>373-0243</b>
R20148223-4	Strick		<b>372-7099</b>	<b>307-0723</b>	<b>373-0123</b>	<b>373-0223</b>
R20148225	Strick	<b>343-4075</b>				
R20148227	Strick	<b>340/343-4009</b>				
R20148501	Strick	<b>640-0001</b>				
SS46842	Victor		<b>372-7098</b>	<b>307-0713</b>	<b>373-0113</b>	<b>373-0213</b>
SS46842-1	Victor		<b>372-7098</b>	<b>307-0713</b>	<b>373-0113</b>	<b>373-0213</b>

 Discontinued part numbers, refer to Engineering Changes for more information.

 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)

# 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®
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 ☒			
SS64229	Victor		382-8025 ☒			
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			
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		382-8019			
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	
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

☒ Discontinued part numbers, refer to Engineering Changes for more information.

☒ 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)

# 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®
SS68008	Victor		<b>372-7097</b>	<b>307-0743</b>	<b>373-0143</b>	<b>373-0243</b>
T11501317	Dodge		<b>392-9057</b>	<b>309-0957</b>		
T13501317	Dodge		<b>392-9099</b>	<b>309-0912/0915</b> 2		
TP-157	Transit	<b>448-4836</b>				
TP-431	Transit	<b>448-4836</b>				
TP-489	Transit	<b>447-4743</b>				
TP-490	Transit	<b>447-4743</b>				
TP-1572	Transit	<b>449-4973</b>				
TP-1943	Transit	<b>449-4973</b>				
TP-1970	Transit	<b>448-4836</b>				
TP-1973	Transit	<b>448-4836</b>				
TP-1977	Transit	<b>449-4973</b>				
TP-1978	Transit	<b>449-4973</b>				
TP-1988	Transit	<b>447-4743</b>				
TP-1989	Transit	<b>447-4743</b>				
TP-1997	Transit	<b>447-4743</b>				
TP-1999	Transit	<b>447-4743</b>				
UH0389EO UZ208EO	NOK	<b>429-0005</b>				
UZ0255EO	NOK	<b>460-6012</b>				
UZ0301EO	NOK		<b>372-7098</b>	<b>307-0713</b>	<b>373-0113</b>	<b>373-0213</b>
UZ0302EO	NOK		<b>372-7099</b>	<b>307-0723</b>	<b>373-0123</b>	<b>373-0223</b>
UZ0303EO	NOK		<b>372-7097</b>	<b>307-0743</b>	<b>373-0143</b>	<b>373-0243</b>
UZ0304EO	NOK		<b>392-9131</b>	<b>309-0973</b>	<b>393-0173</b>	<b>393-0273</b>
UZ0305EO	NOK		<b>382-8036</b>	<b>308-0836</b>	<b>383-0136</b>	<b>383-0236</b>
UZ0306EO	NOK		<b>392-9099</b>	<b>309-0912</b>	<b>393-0112</b>	<b>393-0212</b>
UZ0307EO	NOK		<b>392-9088</b>	<b>309-0964</b>		
UZ0308EO	NOK		<b>392-9081</b>	<b>309-0960</b>		
V10895522	GMC/Volvo			<b>308-0870</b>		
V8027329	GMC/Volvo	<b>343-4095</b>				
V8027330	GMC/Volvo		<b>382-8064</b>	<b>308-0864</b>	<b>383-0164</b>	<b>383-0264</b>
W03HH101	Dana		<b>382-8064</b>	<b>308-0864</b>	<b>383-0164</b>	<b>383-0264</b>
W03HH102	Dana		<b>382-8036</b>	<b>308-0836</b>	<b>383-0136</b>	<b>383-0236</b>
W03HK100	Dana	<b>343-4249</b>				
X-115	Eaton	<b>448-4836</b>				
Z1026AC	Eaton	<b>310-1038</b> 3				
Z1026AD	Eaton	<b>310-1041</b>				
Z1026L	Eaton	<b>310-1050</b>				
Z1026R	Eaton	<b>310-1011</b> 3				
Z1026T	Eaton		<b>392-9112</b>	<b>309-0604</b>	<b>393-0104</b>	<b>393-0204</b>
Z1026U	Eaton		<b>392-9088</b>	<b>309-0964</b>		

3 Discontinued part numbers, refer to Engineering Changes for more information.

1 When using HM516449A, use 392-9130 set.

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

3 Discontinued set, components still available.

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

# Wheel Bearing Adjustment

STEMCO Endorses TMC's Recommended

## Wheel Bearing Adjustment Procedure For Standard Axle Fasteners

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 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.**

### Wheel Bearing Adjustment

**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:**

See Chart A above right.

**STEP 6 Jam Nut Torque:**

See Chart B below right.

**STEP 7 Acceptable End Play:**

Refer to Page 21 for measuring end play.

**Chart A**

Axle Type	Threads Per Inch	Final Back-Off
<b>Steer</b> <i>Single Nut</i>	12	¼ Turn *
	18	¼ Turn *
<b>Steer</b> <i>Double Nut</i>	14	½ Turn
	18	½ Turn
<b>Drive</b>	12	¼ Turn
	16	¼ Turn
<b>Trailer</b>	12	¼ Turn
	16	¼ Turn

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

**Chart B**

Axle Type	Nut Size & Type	Torque Specifications
<b>Steer</b> <i>Double Nut</i>	Less Than 2-5/8"	200 - 300 ft-lbs
<b>Drive</b>	Dowel Type Washer	300 - 400 ft-lbs
	Tang Type Washer	200 - 275 ft-lbs
<b>Trailer</b>	2-5/8" And Larger	200 - 300 ft-lbs

### Bearing Adjustment Procedure for Single Castellated Nut

**STEP 1** Torque the Castellated Nut to 200 ft/lbs.

**STEP 2** Back the nut off 1/2 to 1 full turn and rotate wheel assembly.

**STEP 3** Re-torque Castellated Nut to 75 ft/lbs while wheel assembly is rotated.

**STEP 4** Lock Castellated Nut in place with a new cotter pin through one of the two holes drilled in the axle. If at 75 ft-lbs you are not on a hole, back the nut off to the closest hole and lock in place with the cotter pin.

**STEP 5** Due to Castellated Nut configuration, variation in bearing adjustment can be significant.

**STEP 6 Always check** end play after final adjustment and lock down.

\*For Single Nut Systems see 571-2994.

# PRO-TORQ® and Bearing Adjustment

## PRO-TORQ® Installation Procedure for Hubs with Manually Adjusted Wheel Bearings

### 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.

#### 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 one full turn.



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



# PRO-TORQ® and Bearing Adjustment

## 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 single 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.

**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 bearing warranty.

**PRO-TORQ®**  
ADVANCED AXLE FASTENER



## WARNING

**Failure to follow this instruction could cause the wheel to come off and cause bodily injury.** The PRO-TORQ 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.

## IMPORTANT

### PRO-TORQ Installation Procedure for PreSet® or LMS® Hubs:

PRO-TORQ spindle nuts may be used with PreSet or LMS hub assemblies. When used with these systems, it is important to follow the hub manufacturers' product specific installation instructions. For PreSet and LMS hub assemblies, torque the PRO-TORQ 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.**

# ZIP-TORQ® and Bearing Adjustment

## ZIP-TORQ® Axle Fastener Installation Procedure & Bearing Adjustment

### IMPORTANT

#### ZIP-TORQ® Installation Procedure for PreSet® or LMS® Hubs:

ZIP-TORQ® axle fasteners may be used with PreSet® or LMS® hub assemblies. When used with these systems, it is important to follow the hub manufacturers' product specific installation instructions. For PreSet and LMS hub assemblies, torque the ZIP-TORQ axle fastener to a minimum of 250 ft. lbs. **DO NOT BACK OFF THE AXLE FASTENER.** This procedure will consistently produce a bearing setting of .001" to .005" end play.

**Failure to follow this instruction could cause the wheel to come off and cause bodily injury.** The ZIP-TORQ® axle fastener is sold as an assembly. For unitized hub or spacer system follow manufacturer recommended torque procedure.

#### STEP 1 *Seat the Bearing:*

##### **WITH HUB OR HUB/DRUM ONLY**

Using a torque wrench:

- A. (1)** Tighten the fastener to 200 ft-lbs.  
Spin the wheel at least one full rotation.
- (2)** Tighten the fastener to 200 ft-lbs.  
Spin the wheel at least one full rotation.
- (3)** Tighten the fastener to 200 ft-lbs.

**B.** Back the fastener off one full turn.

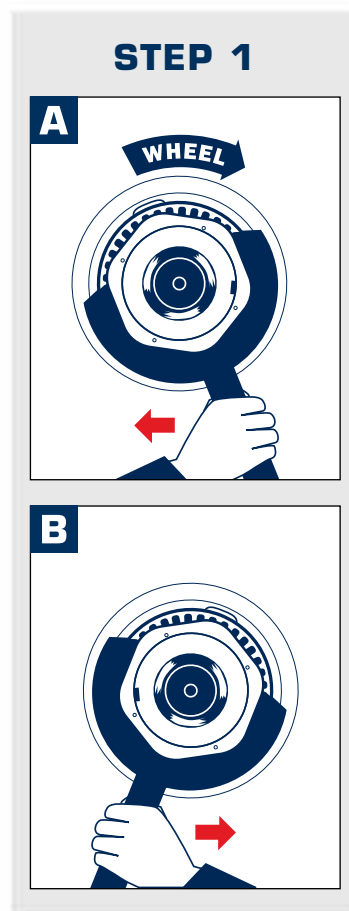
##### **WITH HUB/DRUM/WHEELS:**

Using a torque wrench:

- A.** Tighten the fastener to 200 ft-lbs while the wheel is rotating.
- B.** Back the fastener off one full turn.

Tools Required For Installation		
ZIP-TORQ® Part No.	Tool Socket (3/4" Drive Required)	OTC Part No.
<b>Trailer Axle Fastener</b>		
400-4723	4-1/8" Six Point	1915
400-4743	3-1/4" Six Point	1908
400-4973	4" Six Point	1914
<b>Steering Axle Fastener</b>		
400-4836	2-1/8" Six Point	1976
400-4837		
<b>Drive Axle Fastener</b>		
400-4973	4" Six Point	1914

**NOTE:** Ford application 12,000 lbs. SIFCO Steer Axle requires OEM inner washer to be installed prior to installation of ZIP-TORQ® fastener system.



# ZIP-TORQ® and Bearing Adjustment

## STEP 2 Adjust The Bearing:

### WITH HUB OR HUB/DRUM ONLY

Using a torque wrench:

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

### WITH HUB/DRUM/WHEELS

Using a torque wrench:

- A.** Tighten the fastener to 100 ft-lbs while the wheel is rotating.
- B.** Back the fastener off one face mark (according to chart).

**WARNING** Failure to follow this instruction could cause the wheel to come off and cause bodily injury. Failure to back off the fastener will cause the bearing to run hot and be damaged.

## Final Backoff

ZIP-TORQ® Part Numbers	Backoff
<b>Trailer Axle Fastener</b>	
400-4723, 400-4973	1/8 turn
400-4743	1/4 turn
<b>Steering Axle Fastener</b>	
400-4836	1/4 turn
400-4837	1/3 turn
<b>Drive Axle Fastener</b>	
400-4973	1/8 turn

## STEP 3 Inspect the Installation:

Failure to follow this instruction could cause the wheel to come off and cause bodily injury.

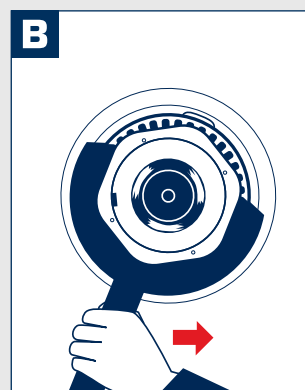
Inspect keyway tang to insure it does not contact the bottom of the keyway. If contact exists, immediately notify your ZIP-TORQ® representative.

## STEP 4 Acceptable End-Play:

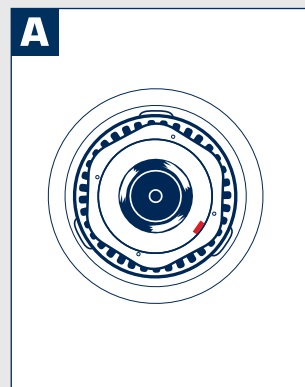
The dial indicator should be attached to the hub or brake drum with its magnetic base. Adjust the dial indicator so that its plunger is against the end of the spindle with its line of action approximately parallel to the axis of the spindle. Grasp the wheel or hub assembly at the 3 o'clock and 9 o'clock 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 bearing warranty.

## STEP 2



## STEP 3



# 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 OD of the spindle shoulder. Place the seal assembly on the spindle so the words "Oil Bearing Side" are exposed to the oil. **[Photo 1]**  
*Warning: Do not install the seal into the hub bore.*

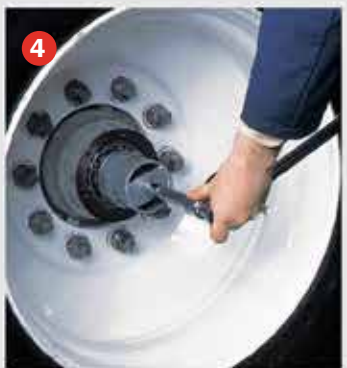


**STEP 2** Using the recommended STEMCO Universal Axle Tool, drive the seal assembly on until the tool bottoms against the shoulder. **[Photo 2]** Make sure the ring is flush with the axle shoulder. Ensure seal fully contacts the wear ring flange. Wipe away any excess sealant.



**STEP 3** Dip the inner bearing in oil and place on the spindle, use same oil used in the wheel end. **NOTE: The OD 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. **[Photo 3]** 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. **[Photo 4]** Rotate the wheel several times and 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-up one side and then the other until flow starts. Failure to tip drive axle can cause low lubricant level in the hub and lead to bearing failure. Make certain the breather plug is clear. Recheck steers and trailers to insure 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 OD 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. **[Photo 1]** 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 horizontal position, pre-lube the inner bearing and place it into the bearing cup. **[Photo 2]** *Note: When using grease, pre-pack the inner bearing before placement into the hub.*



**STEP 5** Apply a thin layer of No. 2 sealant to the OD 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. **[Photo 3]** Check the clearance between the bearing cone and seal (at least 1/32" is required).

**STEP 6** With the wheel mounted on a dolly, carefully align the bore with the spindle. **[Photo 4]** 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 outer bearing before placement into the hub.*



**STEP 7** Assemble the inner nut and tighten it to 200 ft/lbs. **[Photo 5]** Rotate the wheel several times and 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 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-up one side and then the other until flow starts. Make certain the breather plug is clear. Recheck steers and trailers to insure proper fill levels.

# Voyager®/Discover® Hub-Seal Installation



**STEP 1** Remove all burrs from the hub bore and spindle. Thoroughly clean hub cavity and spindle. **Note: Do not apply any 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. **[Photo 1]**  
**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. **[Photo 2]** Remove Tool. Apply a thin layer of lubricant on the ID surface of the seal. **Note: Do not apply lubricant to the OD of the seal.**



**STEP 4** With the wheel mounted on a dolly, carefully align the bore with the spindle. **[Photo 3]** Gently push the wheel assembly onto the spindle to the proper position. Be careful not to bump the top of the seal against the axle. 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. **[Photo 4]** Rotate the wheel several times and 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-up one side and then the other until flow starts. Make certain the breather plug is clear. Recheck steers and trailers to insure 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

## Bearing 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 hub bearing bores. Be careful not to score bores while removing cups, especially when using aluminum hubs.*

## Bearing 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.

## Bearing 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 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

## 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 PRO's:

- 1) 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.

# DataTrac® PRO



Install DataTrac Pro on wheel end.



Display turns on when the vehicle is at rest.



Display turns off when vibration is detected (vehicle moving) to conserve energy.



LIFE mode shows mileage without tenths.



TRIP mode shows mileage with tenths and TRIP icon.



REV Mode shows RPM or RPK unit Programmed for.

DataTrac® Pro Installation Instructions





# STEMCO® Warranty

## STEMCO® 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.

## Platinum Performance System™ Warranty

 <b>Trailer:</b> Unlimited Mileage	 <b>Tractor:</b> Unlimited Mileage	 <b>Trailer:</b> Unlimited Mileage
<b>3 Year Warranty</b>	<b>5 Year Warranty</b>	<b>7 Year Warranty</b>

## 500,000 Mile Warranty

**HUBODOMETER®**  
GUARANTEED OVER-LIFE-OF-TIRE ACCURACY

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

## 4 Year/500,000 Mile Warranty

**DataTrac®** **DataTrac®  
PRO**

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

# TQM<sup>SM</sup> Training



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- Proper seal and bearing installation
- Single and double nut adjustment procedures
- Oil and grease lubrication best practices

### STEMCO BRAKE PRODUCTS™

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- Brake balance
- Auto Brake Adjusters

### STEMCO SUSPENSION PRODUCTS™

- King pin replacement for Qwik Kits and Plus Kits
- Complete break down and rebuild training

### STEMCO INNOVATIVE TIRE & MILEAGE SOLUTIONS | ITMS™

- Tire inflation management
- Mileage management
- Tire pressure monitoring
- Trailer aerodynamics

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