

STEMCO®

DISCOVER® SEALS

HUB INSTALLED UNITIZED DESIGN

Discover®



Increase the Performance Expectations of Wheel Ends

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

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

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

Have Complete Confidence During the Installation Stage

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

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

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

Extended Warranty Component

Install the Discover® seal with STEMCO’s other premium wheel end components to obtain the Platinum Performance System.™ This system combines the Discover® or Guardian® HP seal, Pro-Torq® nut, and Sentinel® hub cap for a 3-year warranty.



STEMCO®

A Higher Standard of Performance.™
an EnPro Industries company

DISCOVER®

High Performance...Revolutionary Design



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DISCOVER® CROSS REFERENCE GUIDE

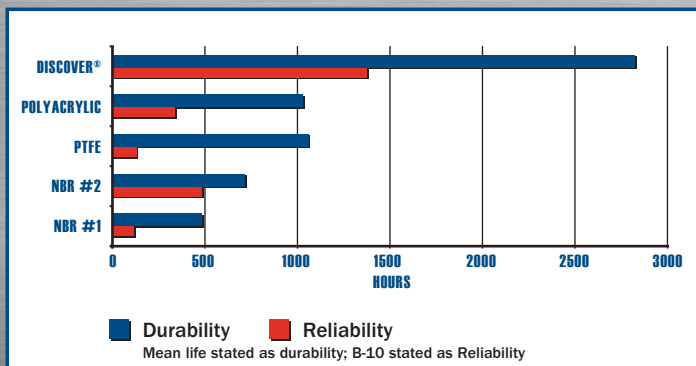
APPLICATIONS	DISCOVER® PART NUMBER	INNER BEARING	HUB TOOL PART NUMBER	BEARING GUIDE
19,000# Trailer Axle Standard Forge, Dana, Meritor, Eaton	373-0213	663	551-5313	570-0023
Pro-Par Trailer Axle, Fruehauf, Eaton P-22, Meritor TP, Dana	373-0223	HM518445	551-5401	570-0025
22,500# Trailer Axle, Meritor, Standard Forge, Dana, Eaton	373-0243	HM218248	551-5412	570-0026
12,000# Front Axle, Meritor, Eaton, Ford, Freightliner, Kenworth, Western Star, Navistar, Peterbilt, Volvo GM	383-0236	39581	551-5346	570-0017
		HM212044	551-5346	570-0018
		HM212049,-X	551-5346	570-0020
		HM212047	551-5346	570-0019
12,000# Mack Front Axle	*383-0239	641 or HM212049	551-5413	570-0020
16,000# Front Axle, Ford, Navistar, Mack, Meritor, White, Kenworth, Western Star, Peterbilt, Volvo GM	383-0264	6461A	551-5327	570-0022
34,000#, 38,000# Drive Axle, Mack	393-0203	580 or 582	551-5415	570-0023
44,000# Drive Axle, Mack	393-0204	663 or HM516449,-A	551-5414	570-0023
34,000# Drive Axle, Eaton, Ford, Navistar, Volvo GM	393-0212	47685 or 47686	551-5416	570-0023
		47678 or 5760	551-5416	570-0022
38,000#, 46,000# Tandem Axles, Eaton, Ford, Freightliner, Kenworth, Western Star, Peterbilt, Meritor, Navistar, Volvo GM	393-0273	594 or 594A 598 or 598A	551-5320 551-5320	570-0028 570-0027

*Also sold as 383-8239 Kit, which includes the 310-1132 shoulder bushing.

DISCOVER® INTERCHANGE

DISCOVER®	SKF	SKF PLUS	SKF LONGLIFE	NATIONAL RED	NATIONAL GOLD	OUTRUNNER
373-0213	40136	40133	40146	370036A	380036A	850
373-0223	42623	42622	42631	370065A	380065A	851
373-0243	46305	46304	46308	370025A	380025A	859
383-0236	35066	35059	35102	370001A	380001A	847
383-0239	39988	39977	39990	370033A	N/A	N/A
383-0264	43764	43769	N/A	370048A	380048A	863
393-0203	45099	45097	45108	370022A	380022A	856
393-0204	42672	42671	N/A	370031A	380031A	852
393-0212	38780	38779	38783	370023A	380023A	849
393-0273	47697	47695	47693	370003A	380003A	861

STEMCO Discover® vs. competitor seals (listed by main sealing lip material). Hours shown are accelerated lab life test hours.

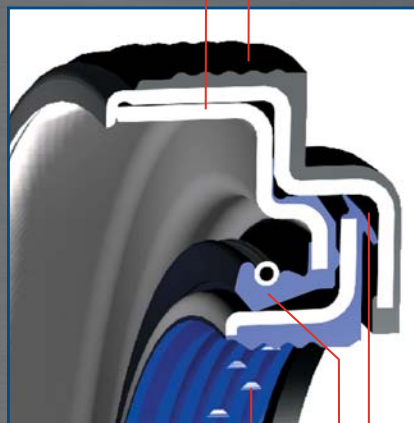


DISCOVER®

Seal Design Features

Bonded Rubber OD Offers Easy Installation with "Piloted" Entry

Rugged Modular Design Avoids Installation Damage



Patented "Smart" Anti-Rotation ID "Locks" onto the Axle

High Temperature Elastomeric Co-Polymer Sealing Element Incorporating Hydrodynamic "Pumping" Features

Four Zone Labyrinth Provides Unmatched Contaminant Exclusion

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