

DISCOVER® XR



EXTREME RUNTIME

TRUE INNOVATION FOR THE WHEEL SEAL MARKET

At STEMCO, we're committed to creating innovative wheel end products through world-class manufacturing, advanced engineering, and forward thinking technologies. Driven by this core value, we set out to create a revolution in the wheel seal market, the STEMCO Discover® XR Seal. Made with a high-quality temperature-resistant material and featuring multi-labyrinth sealing for long-life applications, these high performance seals have been equipped with the patented GlideLock™ technology to deliver the most advanced wheel seal available.

Have Complete Confidence During Installation

With the patented GlideLock technology that eliminates installation issues by reducing installation force by 50% with no prelube required, Discover XR seals' piloted entry allows an easy and square installation every time—addressing the industry's leading seal failure modes, cocked seals and excessive heat generation. The ridged double wall steel case is the impact point for the tool head, maintaining the seal's internal geometries.

Strong Locking and Easy Removal

The Discover XR seal consists of a bonded, ribbed rubber OD and ID for easier removal without special tools, yet STEMCO's patented "SMART" anti-rotation features ensure positive positioning and locking of the seal to the spindle.

Lengthen the Life of the Seal

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

Extended Warranty Component

Install the Discover XR seal with STEMCO's other premium wheel end components to experience the Platinum Performance System™. This system combines the Discover XR or Guardian® HP seal, the Pro-Torq® or Zip-Torq® nut, and the Sentinel® hub cap for a three-year warranty. Discover XR is the only seal that is in the Trifecta® unitized hub systems.



DISCOVER HIGH PERFORMANCE AND REVOLUTIONARY DESIGN

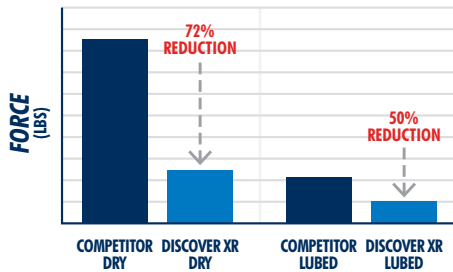
DISCOVER XR CROSS REFERENCE GUIDE

APPLICATION	DISCOVER XR P/N	OBSOLETE P/N	INNER BEARING	HUB TOOL PART NUMBER	BEARING GUIDE
Pro-Par Trailer Axle: Fruehauf, Eaton P-22, Meritor TP, Dana	373-0423	373-0223	HM518445	551-5401	570-0025
22,500# Trailer Axle: Meritor, Standard Forge, Dana, Eaton	373-0443	373-0243	HM218248	551-5412	570-0026
12,000# Front Axle: Meritor, Eaton, Ford, Freightliner, Kenworth, Western Star, Navistar, Peterbilt, Volvo GM	383-0436	383-0236	39581 HM212044	551-5346 551-5346	570-0017 570-0018
16,000# Front Axle: Ford, Navistar, Mack, Meritor, White, Kenworth, Western Star, Peterbilt, Volvo GM	383-0464	383-0264	6461A	551-5327	570-0022
38,000#, 46,000# Tandem Axles: Eaton, Ford, Freightliner, Kenworth, Western Star, Peterbilt, Meritor, Navistar, Volvo GM	393-0473	393-0273	594 or 594A 598 or 598A	551-5320 551-5320	570-0028 570-0027

DISCOVER XR INTERCHANGE

DISCOVER XR	SKF	SKF PLUS	NATIONAL RED	NATIONAL GOLD
373-0423	42623	42622	370065A	380065A
373-0443	46305	46304	370025A	380025A
383-0436	35066	35059	370001A	380001A
383-0464	43764	43769	370048A	380048A
393-0473	47697	47695	370003A	380003A

INSTALLATION FORCE COMPARISON



DISCOVER® XR SEAL WITH GLIDELOCK™ TECHNOLOGY

Ease of installation

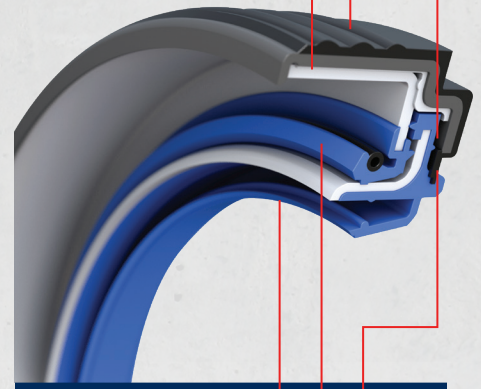
- No pre-lube of O.D. or I.D. required
 - Prevents #1 cause of seal failure
- Glides on straight with self locking technology
- Reduces installation force and eliminates top seal failure
- Internal sealing features remain intact

DISCOVER XR SEAL DESIGN FEATURES

Four-zone labyrinth provides unmatched contaminant exclusion

Bonded rubber OD offers easy installation with piloted entry

Rugged, modular design avoids installation damage



GlideLock™

High temperature elastomeric co-polymer sealing element incorporating hydrodynamic pumping features

Slinger

Making the Roadways Safer®

United States | 800-527-8492 | 903-758-9981
300 Industrial Drive
Longview, Texas 75602 | US

Canada | 877-232-9111 | 905-206-9700
1020 Lorimar Drive
Mississauga, ON L5S 1R8 | Canada

stemco.com

Mexico | 444-804-1736
Eje Central Sahop No 215, Zona Ind
San Luis Potosi SLP 78395 | Mexico

Australia | 011-61-2-9793-2599
2/198 Walters Road Arndell Park
Yagoona NSW 2148 | Australia

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