



PARTS ALERT



NEOBRAKE™

BRAKE SHOE VOLUME DISCOUNT PROGRAM DETAILS

Order Neo-Brake in the following quantities and receive the respective discount!

Lined Brake Shoes		
Qty	Pallets	Discount
344	2	2%
688	4	5%
1376	8	7%
2064	12	10%

Boxed Kits		
Qty	Pallets	Discount
180	3	2%
360	6	5%
720	12	7%
1080	18	10%

Volume Discount Program Details:

- ✓ Order Lined Brake Shoes and/or Boxed Kits in the above quantities and receive the respective discount
- ✓ Discount is based on volume, up to 10% off DNP.
- ✓ All orders must be in pallet quantities (1 part # per pallet)
- (1 pallet Lined Brake Shoes = 172 Qty) 3,000 lbs
- (1 pallet Boxed Kits = 60 Qty) 2,200 lbs
- ✓ May mix & match (1 part # per pallet)

Trailer Load Order(s):

- ✓ Maximum of 14 pallets of Lined Brakes for a Trailer Load
- ✓ Maximum of 20 pallets of Boxed Kits for a Trailer Load
- ✓ Dealer may mix & match pallets on orders for a Trailer Load (1 part # per pallet) not to exceed 44,000 lbs (see weight per pallet for Lined Brake Shoes and Boxed Kits above)
- ✓ Max discount is 10% (up to a trailer load).

How To Place Order(s):

- ✓ Standard Part numbers are directly carried over; no prefix or suffix
- ✓ Do not place your order in DCS. Email the Volume Discount Program order form (attached below) to your Hino DPM to verify quantities and discounts. Once verified, the DPM will send to helpdesk@hino.com for manual order entry to obtain the discounted pricing.

TO:

Dealer Principals
Parts Managers
General Managers
Parts Sales

BULLETIN: PA-2016-037
DATE: 4-1-2016
EXP: 12-31-2016

Hino Trucks reserves the right to make changes, including change in price, content, description, terms, time period, etc. at any time without notice.



Hino Trucks National PDC
Phone: (866) 372-4466 | Fax: (662) 342-5151
E-Mail: helpdesk@hino.com



PARTS ALERT

Free Freight Policy & Minimum Order Quantity

✓ **Brakes:** The Minimum Order Quantities (MOQ) are 172 bulk brake shoes or 60 boxed kits; mix & match. Orders under the MOQ will not be accepted. Grease: Shipped free if 5+ cases are purchased - otherwise grease is shipped freight prepaid and added to the invoice (MOQ 1 case / 6 tubes). **Matrix JamSeal:** Free freight on orders of 72+ (3 cases of 24 seals). MOQ on seals is 24 (freight pre-paid & added to invoice if less than 72 are ordered). Orders under 24 are not accepted.

✓ Shipments within the Continental United States are Free Freight for all orders over the above MOQ's

Multiple Drops Details:

✓ Must be within 250 miles of 1st drop location. 1st drop is free, each additional drop costs \$75 per drop (added to the invoice). 3 drop max

✓ Each location must take 3 or more skids

✓ What is needed? Contact your Hino DPM to coordinate up to three separate POs (one for each ship to location) following the standard trailer load criteria of full skid quantities and equaling up to a full trailer load

✓ The Hino DPM will submit the POs to Hino customer support via email to helpdesk@hino.com along with the detail that they are to be treated as a single trailer load with 3 drops. Hino customer support will coordinate with Neo Brake to arrange order placement and shipment

NEO BRAKE | BRAKE SHOE - VOLUME DISCOUNT PROGRAM | EXPIRES 12/31/2016

DEALER NAME:	
ORDERING DEALER CODE:	
CONTACT EMAIL ADDRESS:	
ORDERED BY (NAME):	
DEALER RETURN FAX:	

APPROVED DEALER SHIP TO ADDRESS REQUIRED ON ALL ORDERS	
DEALER NAME:	
STREET ADDRESS:	
CITY, STATE, ZIP:	
ATTENTION:	

LINED BRAKE SHOES			Check what applies to your order
QTY	PALLETS	DISCOUNT	
344	2	2%	☐ ☐ ☐ ☐
688	4	5%	
1376	8	7%	
2064	12	10%	

BOXED SHOE KITS			Check what applies to your order
QTY	PALLETS	DISCOUNT	
180	3	2%	☐ ☐ ☐ ☐
360	6	5%	
720	12	7%	
1080	18	10%	

☐ AVAILABILITY ONLY - DO NOT SHIP (FILL IN DEALER RETURN FAX # ABOVE)

SUB-ORDER TYPE (SELECT ONLY ONE BOX):

☐ (S2) STOCK ORDER - GROUND SHIPPING ONLY - All Regular Direct Ship & PDC Orders

☐ (E1) DEALER EMERGENCY ORDER - OVERNIGHT SHIPPING ONLY **

☐ (E2) VEHICLE OFF ROAD (VOR) EMERGENCY, SHIP TO MY CUSTOMER DIRECT - OVERNIGHT SHIPPING ONLY **

EMERGENCY SHIPMENT SERVICES, FOR E1 OR E2 ONLY (CHECK BOX BELOW IF APPLICABLE):

OTHER SERVICES

☐ SATURDAY OVERNIGHT **

PLEASE NOTE: MAJOR UNIT PIECES AND PARTS NOT SHIPPABLE VIA UPS WILL BE SHIPPED VIA COMMON CARRIER GROUND SERVICE. IF OVERNIGHT SERVICE IS REQUIRED, THE SHIPMENT WILL BE SENT FREIGHT COLLECT.

KEY: ** ADDITIONAL SHIPPING & HANDLING FEES APPLY FOR THE PARTICULAR ABOVE SERVICE(S).

MUST HAVE		OPTIONAL INFORMATION		
PART NUMBER	ORDER QTY	PART DESCRIPTION	SUPPLIER	OTHER NOTES: ORDERS MUST BE PALLET QTY
1			NeoBrake	
2			NeoBrake	
3			NeoBrake	
4			NeoBrake	
5			NeoBrake	
6			NeoBrake	
7			NeoBrake	
8			NeoBrake	
9			NeoBrake	
10			NeoBrake	
11			NeoBrake	
12			NeoBrake	
13			NeoBrake	
14			NeoBrake	

All pricing is subject to change at any time without notice. Pricing in Hino DCS may override this form. By submitting this form, You agree that the information You submit will be accurate, to the best of Your knowledge.

REPRODUCIBLE FORM

FORM HDT-PTSOFF1 (COVER PAGE)

EMAIL THIS FORM TO YOUR HINO DPM TO VERIFY QUANTITIES AND DISCOUNTS, ONCE VERIFIED YOUR DPM WILL EMAIL FORM TO HELPDESK@HINO.COM OR FAX THIS ORDER FORM TO THE MEMPHIS NATIONAL PDC AT (662) 342-5151

All pricing is subject to change at any time without notice. Pricing in Hino DCS may override this form. By submitting this form, You agree that the information You submit will be accurate, to the best of Your knowledge.



PARTS ALERT

ATTN: PART NUMBER CHANGE!



NeoBrake has decided to change their “NBECO” part number to “NBP20”. With all the Chinese economy grades in the marketplace, NeoBrake wanted to re-identify the “NBECO” as “NBP20” to showcase and differentiate their quality non-Chinese product. If you have any questions, please do not hesitate to contact NeoBrake at (414) 764-4211.

OLD NEOBRAKE PART NUMBER	NEW NEOBRAKE PART NUMBER
NBECO-1308D/R	NBP20-1308D/R
NBECO-1308E	NBP20-1308E
NBECO-1308Q	NBP20-1308Q
NBECO-1443E	NBP20-1443E
NBECO-4311EN/S	NBP20-4311EN/S
NBECO-4515Q	NBP20-4515Q
NBECO-4515QB-LOCK	NBP20-4515QB-LOCK
NBECO-4515QDANA	NBP20-4515QDANA
NBECO-4515XEM3	NBP20-4515XEM3
NBECO-4551Q	NBP20-4551Q
NBECO-4702Q	NBP20-4702Q
NBECO-4707-5Q	NBP20-4707-5Q
NBECO-4707Q	NBP20-4707Q
NBECO-4709E	NBP20-4709E
NBECO-4709EN/S	NBP20-4709EN/S
NBECOKIT-1308E	NBP20KIT-1308E
NBECOKIT-1308Q/S	NBP20KIT-1308Q/S
NBECOKIT-1443E	NBP20KIT-1443E
NBECOKIT-4311EN/S	NBP20KIT-4311EN/S
NBECOKIT-4515Q	NBP20KIT-4515Q
NBECOKIT-4515QB-LOCK	NBP20KIT-4515QB-LOCK
NBECOKIT-4515QDANA	NBP20KIT-4515QDANA
NBECOKIT-4515T	NBP20KIT-4515T
NBECOKIT-4515XEM3	NBP20KIT-4515XEM3
NBECOKIT-4702Q	NBP20KIT-4702Q
NBECOKIT-4707-5Q	NBP20KIT-4707-5Q
NBECOKIT-4707Q	NBP20KIT-4707Q
NBECOKIT-4709E	NBP20KIT-4709E
NBECOKIT-4709EN/S	NBP20KIT-4709EN/S

TO:

Dealer Principals
Parts Managers
General Managers
Parts Sales

BULLETIN: PA-2016-067
DATE: 7-29-2016
EXP: N/A

Hino Trucks reserves the right to make changes, including change in price, content, description, terms, time period, etc. at any time without notice.



Hino Trucks National PDC
Phone: (866) 372-4466 | Fax: (662) 342-5151
E-Mail: helpdesk@hino.com

Vendor:

Neo-Brake Systems, Inc.

Vendor Information

Products so advanced, in fact, they complied with California and Washington state friction material rules and regulations (SAE J2975 & J866 standards) before they were adopted. Plus, we're one of the last, if not the last, manufacturers to perform onsite core inspections, protecting your investment as early as that in the reman process. Brake linings might look the same, but it's how they're formulated that counts. Trust us, we know what's stopping you. It's time to Reman Up.

Hino Parts Support Phone: 866-372-4466

Hino Parts Support Email: helpdesk@hino.com

Hino Parts Support Fax: 662-342-3939

Neo-Brake Systems, Inc.: trueda@neo-brake.com

Neo-Brake Systems, Inc.: www.neo-brake.com

Neo-Brake Systems, Inc.: Phone: 414-764-4211

Customer Service & Technical Support

Order Procedures:

All orders are to be placed through the Hino Dealer Connect System (DCS). For special orders or for customer support contact Vendor directly via phone number.

Stock Orders

Enter orders in DCS Screen DC202 under Sales Type "S". All direct ship (DS Orders) items will be shipped from a local Vendor PDC.

Emergency Orders

Emergency orders (EM) may be entered into DCS screen DC202 as a Sales Type "E" or "V". All emergency orders will be processed with a "rush" order. Freight and Handling fees will be identified on the Hino invoice.

Free Freight Policy & Minimum Order Quantity

Brakes: The Minimum Order Quantities (MOQ) are 172 bulk brake shoes or 60 boxed kits; mix & match. Orders under the MOQ will **not** be accepted. **Grease:** Shipped free if 5+ cases are purchased - otherwise grease is shipped freight prepaid and added to the invoice (MOQ 1 case / 6 tubes). **Matrix JamSeal:** Free freight on orders of 72+ (3 cases of 24 seals). MOQ on seals is 24 (freight pre-paid & added to invoice if less than 72 are ordered). Orders under 24 are not accepted.

Freight Policy:

Shipments within the Continental United States are **Free Freight for all orders over the above MOQ's**. All orders are shipped from Oak Creek, WI unless otherwise specified. All orders will be shipped via the most efficient method.

Order Fulfillment Policy:

The standard order processing time is 1 business days from date of order placement, order lead time is 1-7 days depending upon USA dealer distance from reline location.

Part Number Pricing:

Pricing will be available on-line in the Hino DCS system. In addition, the prices will be forwarded to your service bureaus within two weeks of each pricing update.

Volume Discounts?

Yes, volume discounts are available, see Volume Discount Program for details.

Multiple Drop Policy?

Must be within 250 miles of 1st drop location. 1st drop is free, each additional drop costs \$75 per drop (added to the invoice). 3 drop max. Each location must take 3 or more skids. **What is needed?** Contact your Hino DPM to coordinate up to three separate POs (one for each ship to location) following the standard trailer load criteria of full skid quantities and equaling a full trailer load. The Hino DPM will submit the POs to Hino customer support via fax at (662) 342-5151 or email at helpdesk@hino.com along with the detail that they are to be treated as a single trailer load with 3 drops. Hino customer support will coordinate with Neo Brake to arrange order placement and shipment. Dealer will receive order confirmation upon placement. Does a Trailer load discount apply? Yes, discuss with your DPM. Does each dealer have to take the same number of skids? No, must total a trailer load (22 skids).

Format:

Standard Part numbers are directly carried over; no prefix or suffix.

Mega Fleet:

All-Makes parts are not included in the Hino Mega Fleet pricing file but should be sold to Mega Fleet customers and filed as Miscellaneous Items in Corcentric when submitting for reimbursement.

Warranty:

Please view Vendor warranty documents as warranty varies based on item. Contact vendor directly.

Returns:

Contact supplier directly to obtain a Return Goods Authorization code by phone number or email address listed above. All returned items MUST have prior approval and the Return Goods Authorization (RGA) marked on the outside of the box. RGAs have an expiration date of sixty (60) days; after sixty (60) days the return will become null and void. All returns are subject to a 25% or greater restocking fee. Will not authorize any returns that are not properly packaged or in the original packaging. No credit will be issued for product that has been damaged, altered, or installed on equipment. The customer is responsible for all freight charges on the returned merchandise. Special order items or non stock items are not returnable. See supplier literature for further information.

Shipping Inspection and Damaged Product:

All merchandise should be inspected upon arrival and carrier damage claims should be filed with the carrier immediately. We are not responsible for, nor are we in a position to make a claim after the freight carrier accepts the shipment from us. For excess stock returns, contact the Supplier directly.

Vendor Cross Reference Web Site:

www.neo-brake.com

Conclusion:

Neo-Brake Systems, Inc. & Hino Trucks All-Makes relined brake shoe program allows for a high quality, excellent serviced, competitively priced program. With limited distribution, the Dealer has the ability to earn and retain high margin business with out the fear of losing it because of a better price of the same product being available to other competitors.

PA-2013-37

1.6.15-12.13PM



NEOBRAKE™
REMAN UP.

Non-Asbestos Friction Material Comparison Guide

Manufacturer	Severe Duty & Specialty Application	High Performance (High-Temp)	Extra Heavy Duty	Heavy Duty	Standard Premium
Abex	6098 6069	685 (CAM) 6069(ANC) (COMBO)	EX 685 AX 6149 EL 6011	EN 6008 ANP 6166	XL 6014 XC 6085
Arvin Meritor	R 403	CG	MA 312 MA 310 MG 2	MA 212 MA 210 MG2L EG2	MG1 EG
Bendix Spicer		Gold	Yellow Red	Blue Silver	Green
Cobreq	NABK 170 NABK 142	NABK 171	NABK 132	NABK 110 NABK 102	NABK 090
Fleetpride	OTR Gold	OTR Silver	OTR Orange OTR Red	OTR Green OTR Blue	OTR Bronze OTR Black
Fraslee	AF 560 AF 587	AF 560 AF 555 (COMBO)	AF 557	AF 555 AF 550 AF 523	AF 540 AF 520
Freightliner (Alliance)				Premium 23	Premium 20
NEOBRAKE	NB250-FF (23,000 @ 180) NB240-GG (25,000 @ 180)	NB230-FF/FF (COMBO) (23,000 @ 180)	NB225-FF (23,000 @ 165) NB210-FF (23,000 @ 165)	NB200-FF (23,000 @ 165) NB180-FF (23,000 @ 180)	NBP20-FF (20,000 @ 180)
	NBSM-FF (23,000 @ 180) NBUB-GG (25,000 @ 180)	NBCB-FF/FF (COMBO) (23,000 @ 180)	NBSB-FF (23,000 @ 165) NBMB-FF (23,000 @ 165)	NBFM-FF (23,000 @ 165) NBRM-FF (23,000 @ 180)	NBP20-FF (20,000 @ 180)
			NB2001 ABS-FF "NEW SHOE" (23,000 GAWR)	NB2000 ABS-FF "NEW SHOE" (20,000 GAWR)	
Haldex	GM 2040	GP 2030 (COMBO)	GG 3020 GH 3023	GS 2015 GD 2016 GR 3010 GF 3008 HV 88	GN 2017 HV 77
Heavy Duty America			MH 23F	MH 23 MH 20F	MH 20
Marathon	MBS TS	MBC	HS	FLOE DB	UB MH
New Life Road Equipment				FC 23	FC 20
Roadleveler (Paccar)			SS 23 PR 23	STD 23 PR 20	ECN 20 STD 20
Truck Pride				TP23	TP20
Truck Pro			AR 4	AR 3 AR 2	AR 1
Vipar				Vipro 23kpre 20kpre	Vipro 20kstd

MATRIX 460SFX™

AXLE HUB / 100% PURE SYNTHETIC SEMI-FLUID 00 EP GREASE

WHY THE MATRIX 460SFX? EASY.

It performs. Not just in heavy-duty applications, but under extreme-duty conditions. Matrix 460SFX is an advanced aerospace 100% pure synthetic semi-fluid grease designed for all-season protection and enduring long-haul production.

Formulated with a calculated combination of Lithium extreme pressure (EP) complex grease, PAO full synthetic ISO 460 gear lube, and an sophisticated additive package, Matrix 460SFX delivers superior protection preventing premature wear, rust, corrosion, and damage—especially in shock loading applications.

WHAT MAKES THE MATRIX 460SFX SPECIAL? EASY.

It's not just the tacky staying power of grease combined with the fluidity of a gear lube working as one doubly effective hub axle lubricant. It's the advantage of both packaged in a heavy-duty 28 oz. caulk tube.

Technicians can grab it and go. Cuts fill times nearly in half. Uses every ounce of grease. The savings alone will pay for itself, not to mention a little leftover to line your pocket. Matrix 460SFX is a win-win, PLUS IT:

- Virtually eliminates over/under greasing
- Greatly reduces wheel seals from leaking, protecting brake linings and road safety
- Performs in all related applications requiring full synthetic semi-fluid 00 EP grease
- Plastic tube is recyclable; environmentally friendly

IS MATRIX 460SFX REALLY THAT EASY TO USE? EASIER.

Think about it. How difficult is it to squeeze the trigger on a caulk gun? Wouldn't you rather handle a caulk tube than a 5-gallon bucket or 55-gallon drum? Productivity can only increase.

Better yet, we're not asking highly paid technicians to scrape out buckets and drums for every last ounce. We know they haven't the time, which makes you wonder how much grease is still caked to inner walls of buckets and drums that are thrown out?

With Matrix 460SFX, that's not a concern. No fuss. No mess. No waste.

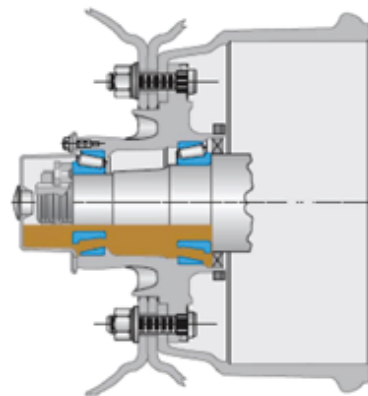


IT STICKS TO METAL. IT COATS THE ENTIRE INSIDES. IT LINES POCKETS.



- Commercial use on truck trailer axle hubs, truck steering (non-drive) axle hubs, and truck wheel (non-drive) axle hubs, following OEM/TMC RP 631 directives.
- For optimal performance, use only with factory clean bearings, spindles, axle hub assembly and seals, recommended in conjunction with Matrix JamSeal™ push-on wheel seal.
- Performs consistently within bearing contact surfaces and seals, with high-temperature durability, cooler operation reliability, and reduced friction.
- Coats metal surfaces to prevent metal-to-metal contact, maximizing shock load protection.

- Heavy-duty caulk tube applicator helps technician fill axle hub quickly, more accurately, saving time and money.
- Fill level tops out at 4 & 8 o'clock, requiring less lubricant overall to do 100% of the job.
- Protects bearings while preventing rust and corrosion on critical components.
- Lubricates and protects bearings in all operating and ambient temperatures down to -40°F.
- Reduces wheel seal leakage relative to gear oils.



ARE YOU MATRIX MATERIAL?



A "me-first" type of operator, not a "me-too" type of guy? The type who just can't sit idle? Who can sniff out cheap filler product a mile marker away? Is that you? Then welcome aboard. The Matrix Movement is a truckerhood for everyone driven by results. So join our little convoy of quality. We've got the extreme-duty semi-fluid grease to get you there. Call 1-888-411-9916 or visit NeobrakeMatrix.com.

MATRIX JAMSEAL™

HEAVY-DUTY PUSH-ON WHEEL SEAL

WHY THE MATRIX JAMSEAL? EASY.

Installation by hand saves time. It saves money. In short, the Matrix JamSeal rocks because its timesaving benefits only tell part of this heavy-duty wheel seal's story.

Fact is the Matrix JamSeal boasts premium materials and features that have sealed oil and grease in heavy-duty applications for decades, ensuring OEMs and aftermarket customers the highest quality wheel seal.

By adapting these time-tested methods, manufactured in a state-of-the-art ISO/TS 16949 certified plant, NeoBrake brings you superior sealing performance in a top-of-the-line product engineered to raise expectations and lower operating costs.



WHAT MAKES THE JAMSEAL SPECIAL? EASY.

Sure, the Matrix JamSeal shortens wheel end service timeframes; in effect, turning prolonged tool-installation into “jam sessions.” It’s the easiest seal you’ll install without tools. It covers it all, both literally and figuratively, which explains its money-saving advantages such as:

- Wider-sealing surfaces to compensate for hub bore imperfections
- Ribbed outer wall design to prevent it from backing out once seated
- Slurry tests demonstrate a service life 3x longer than “leading” brands

IS MATRIX JAMSEAL REALLY THAT EASY TO INSTALL? EASIER.



Step 1: Lube up outside diameter.

Step 2: Align with hub.

Step 3: Press firmly (or jam) into place.

Step 4: Admire your handy work.

WE'RE NOT REINVENTING THE WHEEL, BUT WE WOULD LIKE TO REINTRODUCE YOU TO THE WHEEL SEAL.

Steel outer wall allows for metal-to-metal contact in the bottom of the wheel hub to ensure proper seating and to help dissipate heat through the wheel hub at varying wheel speeds.

Outer wall features a robust 3-piece cartridge design for maximum strength.

Zinc-plated metal surfaces prevent corrosion and extend service life.

Controlled lubrication holes maintain proper lubrication to the sealing lips and directs the oil back to the bearings.

Primary sealing lip is fully enclosed to prevent contamination and installation damage.

Wide sealing surface in wheel hub maximizes sealing surface contact and helps compensate for wheel hub imperfections.

Wide sealing surface on spindle shoulder (I.D.) surface helps seal spindle imperfections and provides maximum sealing.

Nitrile® (Buna N) rubber construction for use with semi-fluid 00 grease, recommended in conjunction with Matrix 460SFX™.

Ribbed O.D. design improves installation without tools, gripping the hub bore and preventing it from backing out once seated.

Primary sealing lip makes contact with a polished running surface ensures a consistent seal and reduces friction and heat to extend service life.

Axial dirt lip has a fixed wiper lip interference to exclude dirt and prevent pre-installation contamination.

Hydrodynamic primary sealing lip is spring-loaded and pumps the oil back to the bearings and has a centrifugal lip configuration that provides constant lip load at varying wheel speeds.

INTERCHANGE

Matrix JamSeal Components	CR Scotseal Scotseal Plus	National Standard Design	Stemco Guardian Grit Guard	Triseal Standard Service Unitized	National Standard Design
MJS73010	34387 34384	370047A	309-0935 392-9035	69785 65111U	—
MJS73020	42623 42622	370065A	307-0723 372-7099	69596 65262U	851
MJS73050	46305 46304	370025A	307-0743 372-7097	69598 65060U	859
MJS73090	38780 38779	370023A	309-0912 392-9099	69794 65152U	849
MJS73120	35066 35059	370001A	308-0836 382-8036	69699 65263U	847
MJS73150	43764 43763	370048A	308-0864 382-8064	69697 65092U	863
MJS73170	45103 45102	370131A	308-0856 382-8056	69696 65078U	857
MJS73180	42672 42671	370031A	309-0904 392-9112	69788 65071U	852
MJS73290	40136 40133	370036A	307-0713 372-7098	68561 65261U	850
MJS73330	47697 47695	370003A	309-0973 392-9131	69799 65156U	861
MJS73500	45099 45097	370022A	309-0903 392-9094	69796 65270U	856

ARE YOU MATRIX MATERIAL?



Expect highest quality? Leave cutting corners to the woodworkers of the world? Demand results over the long haul? You just might be. In fact, what's stopping you from joining this movement? Not a better performing push-on wheel seal, we trust? Call 1-888-411-9916 or visit NeobrakeMatrix.com.



A **Toyota** Group Company

Hino Trucks

All-Makes

Brake Program



Neo-Brake Systems, Inc.

Neo-Brake Systems, Inc.
6881 S. 10th Street
Oak Creek, WI 53154-1417
Telephone: (414) 764-4211

PROGRAM FEATURES & BENEFITS

- Remanufactured brake shoes and brake shoe kits
- New lined brake shoes and kits
- Disc Brake Pads
- Increased dealer margins
- Increased part number availability on obscure part numbers
- National direct-ship availability through Reline facilities and warehouses
- Dedicated in-house customer service representation
- Sales support with fleet brake clinics and fleet calls
- On-site core inspection in direct service areas
- Produced under established OE standards and specifications
- All products meet or exceed FMVSS 121 and TMC RP628 standards
- Application specific line for vocational and on-highway applications
- Automated core tracking with timely issuance of core credits
- Niche and vocational market opportunities via application specific brake linings
- Compliment existing programs with greater diversity in products
- Extensive part number coverage not available with PDC programs

Order Quantity & Instructions

View Hino QR Guide – Available in HinoNet under the parts tab. Contact your Hino DPM if assistance is needed.

Neo-Brake cannot accept orders directly from dealer customers. Order issues, i.e. shortages, overages, add-ons, deletions, backorders should be communicated directly with Hino Trucks.

Minimum Prepaid Freight Requirements

See Hino QR Guides posted in HinoNet.

Catalogs & Sales Aids

Contact Neo-Brake Customer Service – Phone: (414) 764-4211 or visit www.neo-brake.com.

Neo-Brake Systems, Inc.
6881 S. 10th Street
Oak Creek, WI 53154-1417
Telephone: (414) 764-4211

Warranty Information

Neo-Brake Systems, Inc. warrants to its direct customers, ("Buyer") subject to the terms, conditions, and limitations expresses herein, its products to be free from defects in materials and workmanship for one year from date of purchase.

Neo-Brake's liability and Buyer's remedy is limited, at Neo-Brake's option, to replacement of defective goods at the F.O. B. point stated in the purchase order or repayment of the purchase price. Buyer shall return defective goods and Neo-Brake shall bear the cost of shipping only after confirming definite shipping instructions and issuing and RGA.

Replacement of defective goods or repayment of the purchase price will be made only upon receipt of Buyer's written notice that the goods are defective and subject to Neo-Brake's right to inspect the goods. Neo-Brake's total liability shall not exceed Buyer's original cost of the goods.

This warranty does not apply to products that have been altered or subjected to misuse or neglect, or products manufactured to the design and/or specifications furnished by the buyer.

THERE IS NO WARRANTY OF MERCHANT ABILITY OR FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED WHICH EXTENDS BEYOND THE TERMS HEREOF. NEO-BRAKE SHALL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR OTHER DAMAGES INCLUDING, BUT NOT LIMITED TO LOSS OF PROFITS OR DAMAGES TO ANY VEHICLE OR ANY PARTS THEREOF. NO REPRESENTATIVE OF NEO-BRAKE HAS AUTHORITY TO MAKE AND REPRESENTATIONS OR PROMISES EXCEPT AS STATED HEREIN. THE REMEDIES STATED HEREIN ARE THE SOLE AND EXCLUSIVE REMEDIES FOR ANY CLAIM OR DAMAGES IN CONNECTION WITH NEO-BRAKE.

Core Policy

Cores Acceptable for Return

View the Hino Core Acceptance Guide.

1. Only those cores listed on the price sheet will be eligible for return. Any cores returned to Neo-Brake but not listed on the price sheet will be disposed of unless prior arrangements have been made with Neo-Brake Customer Service.
2. Credits will not be issued for cores returned in excess of those purchased.
3. Cores can only be returned for credit within 365 days of purchase.
4. Cores should be rejected by the dealer prior to return for the following defects:
 - a. Broken welds at table-web joint
 - b. Broken or cracked web
 - c. Deformed or bent web
 - d. Excessive corrosion on table or web
 - e. Flared or damaged ends
 - f. Ears on web bent
 - g. Torch damage
 - h. Rusted shoe table
 - i. No torching or welding allowed
 - j. Worn or elongated roller socket

Core Charges ~~~~ No core charges for new products ~~~~

1. Neo-Brake will maintain its policy of anticipating a like-for-like exchange of brake shoe cores.
2. Core charges will appear on the customers invoice for remanufactured brake shoes or kits.
3. Credits for returned cores will be processed within five (5) business days after receipt at Neo-Brake
4. Should market conditions necessitate a change in core values, customers will be notified.

Neo-Brake Systems, Inc.
6881 S. 10th Street
Oak Creek, WI 53154-1417
Telephone: (414) 764-4211



NEO-BRAKE SYSTEMS

**Keeping Truckers
Safe Since 1988**

**Independently Owned
From Day One**

Our Mission Statement:

We Offer a Quality Brake Shoe at a Competitive Price

- We focus on what we do best, BRAKES.
- We are a True Wholesaler. We do not compete with your dealer group.
- Selective Distribution is a Neo-Brake marketing target.
- WE SELL SAFTEY!

Our Philosophy:

Value Versus Volume

- Long term business partnerships with key customers such as yourselves.
- Do not over-saturate our product or distributors
- By doing this, transaction costs remain low and service levels high to insure greater margins for you, our customer

Service After The Sale:

- Majority of the time in the field is spent at the fleets by our sales staff.
- Brake Certification Maintenance Seminars.
- We will work aggressively with your sales staff calling on their customers
- Brake Foundation Troubleshooting.

Long Term Commitment to the Marketplace:

- Recent multi-million dollar investments
- Production automation that is second to none in the brake rebuilding industry
- Investing in our future through (facility updates in production)
- Additional real estate to accommodate rapidly growing business and inventory to better serve you, our customer

Core Inspection Before Processing

- Roller ends of core inspected for distortion
- Welds on webs not broken
- Shoe webs not bent
- Table not distorted or worn

Metal Shot Tumble Blasted

- Removes all rust from core
- Allows for full core inspection with Go-No-Go gauges for table wear and stretch



De-lining Process

- Automatic punch de-lining
- Eliminates rivet hole distortion
- Protects from table distortion
- High volume capacity



Coining Press

- Returns core table to proper radius to insure perfect fit between core and lining
- Allows for higher capacity riveting output



Automatic Conveyor Paint Dip Line

- Core is fully immersed in rust inhibiting coating
- Consistent Finish



Automatic Riveting

- Provides secure attachment of high quality Neo-Brake block
- Equipped with table compensators to ensure tightness



Packaging and Shipping

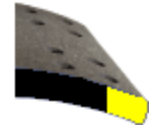
- Final inspection of lined shoe
- Boxed kit is assembled
- Automated Palletizer to increase kitting capacity
- Automated shrink wrapper and scale



Main Product Line & Part Number Prefix

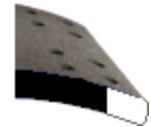
NBSB

Hi Performance Premium



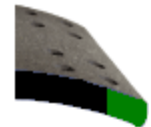
NBMB

Heavy Duty Premium



NBFM

Heavy Duty



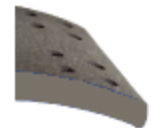
NBRM

Medium Grade



NBECO

Standard Grade



Specialty Friction

NBUB

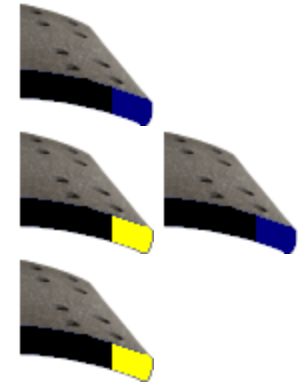
UltraBlock

NBCB

ComboBlock

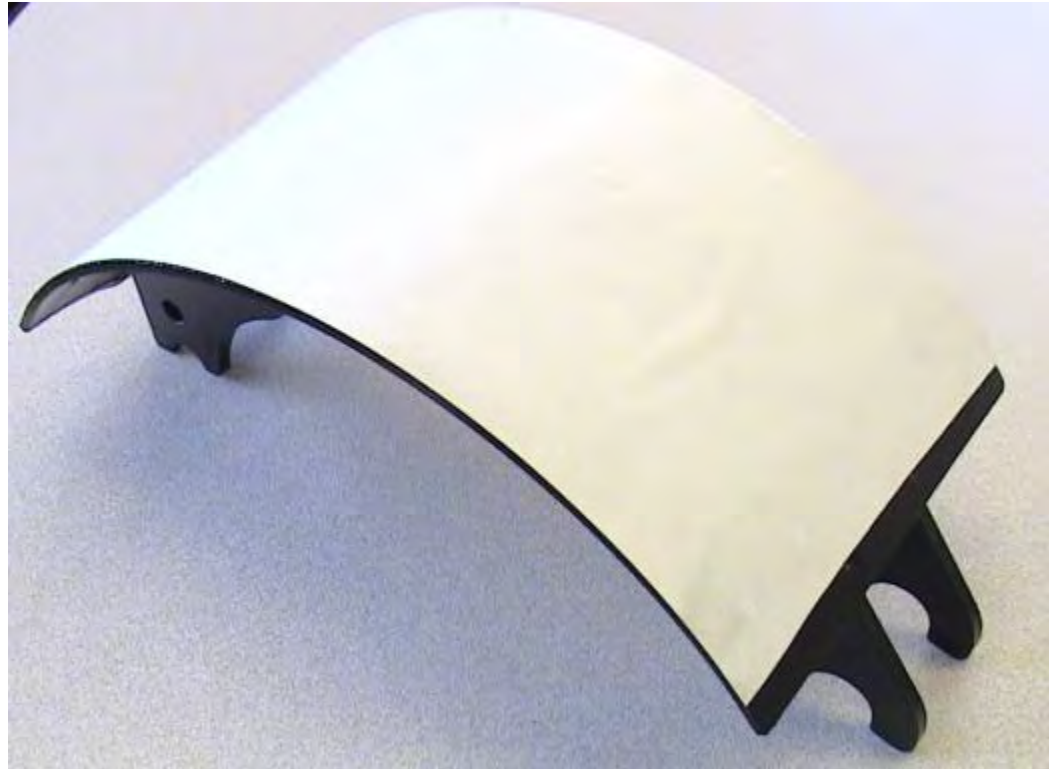
NBSM

Semi-Metallic



Rust Guard Application On All New Tables

- Creates protective barrier between core and lining to inhibit moisture penetration and eliminate rust jacking
- Additional secure adhesion to provide for longer service life of friction material
- TFT – Transfer Film Technology





Neo-Brake Quality

All of these procedures allow Neo-Brake Systems, Inc. to provide the highest quality reman heavy duty air brake product in the industry.

Delivered On Time!

Contact Us

Neo-Brake Systems, Inc.

6881 S. 10th Street

Oak Creek, WI 53154-1417

Telephone: (414) 764-4211

"Neo-Brake's on-site core inspections have slashed our core scrap costs."

Our previous rebuilder would cart all our cores to their facility for inspection. Then, a week later, they'd tell us how many had to be scrapped. Neo-Brake's on-site inspection policy has taught our people how to inspect cores better, and that's reduced our lost core costs. We also like the fact that we no longer have to worry about our rebuilder stealing cores from us.

"Our warranty problems on rebuilds have dropped dramatically."

The warranty problems we had with our previous rebuilder caused us to consider dropping rebuilds altogether and going with new shoes exclusively. With Neo-Brake, our warranty problems have just about disappeared. Customer satisfaction is their highest priority.



Experience...

key to our quality.

Whether you're driving, fixing, or loading a tractor-trailer, the more often you do it, the better you get. It's all about experience. And when it comes to rebuilding brake shoes, it's no different. Experience is the key to our success.

We sell safety.

Our experience, earned over decades in the brake rebuilding business, means one thing for you: Safety. Our rebuilt brakes meet or exceed OEM specifications. When you buy Neo-Brake products, you buy safety.

Quality...

key to our success.

Why are Neo-Brake rebuilt shoes the best you can buy? Because our experience has taught us one thing: consistent quality is all that matters. Our procedures... from picking up used cores through delivery of finished product... are built on uncompromising quality standards. That means the Neo-Brake rebuilt brakes you install will perform to your expectations. They have to. We guarantee it... it's our name on the line.

We rebuild quality.

We are successful because every Neo-Brake employee concentrates on only one thing: doing a top-quality job. When every person in the brake rebuilding process focuses on quality, the result can only be a product that's absolutely the best it can be.



6881 South 10th Street
Milwaukee, WI 53154
phone 414-764-4211
fax 414-764-6511

Neo-Brake

w e s e l l s a f e t y

We are

Neo-Brake

Today's trucks are more aerodynamic, loads are heavier and air brake systems are more frequently abused. It all adds up to heavy-duty brake systems that are subject to more stress than ever before. And it means that if your rebuilt brakes don't meet or exceed OEM specs, you could be in for trouble. Neo-Brake rebuilds heavy-duty brake shoes. That's all we do...so quality and reliability are particularly important to us. We can't afford to have a single customer dissatisfied with a Neo-Brake product.

An eye for details right out of the blocks.

To make a quality rebuilt brake shoe, you need a solid foundation. We start right at the core. Our drivers visually inspect each used core before it's loaded onto our truck. If a core doesn't meet our standards, it won't make the trip to our facility. How is a driver qualified to make these decisions? Well, most aren't. But Neo-Brake drivers go through weeks of training, learning to tell the difference between a good core and a bad one.

Production: Where safety starts.

Each Neo-Brake shoe is produced by experts trained in the methods of maintaining product quality. Here's a look at our process from start to finish:

Washing First we remove old grease, dust and residue from the old core. Each core is then visually inspected for any imperfections. Cores that don't meet our strict standards are disposed of. We don't take chances.

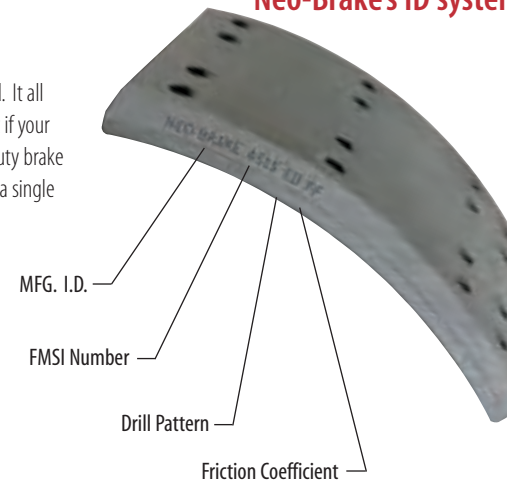
Delining Next, worn linings are stripped from the core. Another visual inspection is performed.

Blasting Paint and rust are removed down to bare metal. Once again, we visually inspect every core to ensure that all paint and rust are removed. OEM gauge inspection is performed at this stage to ensure all cores meet or exceed OEM specifications.

Coating All Neo-Brake cores are coated with paint that's specially formulated to resist rust and corrosion.

Lining Finally, premium asbestos-free brake block material is applied in our automated riveting line. This friction material, manufactured by a pressure forging process, provides ultimate stopping power, long wear and excellent drum compatibility.

Neo-Brake's ID system



Brakes delivered when you need them.

At Neo-Brake we'll convert your old shoes...adapting old shoe configurations for use with new brake shoe designs. You get an OEM-quality shoe at a fraction of the price you'd pay for a new one. And we'll deliver your brake shoe order when you need it, not when it's convenient for us to deliver. Neo-Brake provides weekly two-day delivery service.

New brake performance at a rebuilt price.

Neo-Brake's rebuilding process results in a shoe that's equal to or better than original equipment. Our blocks have undergone extensive testing both in the laboratory and over the road. The results are conclusive: Neo-Brake provides superior stopping power at a lower cost per mile.

At Neo-Brake, rebuilding brake shoes is our job, but safety is our business.



NB2000

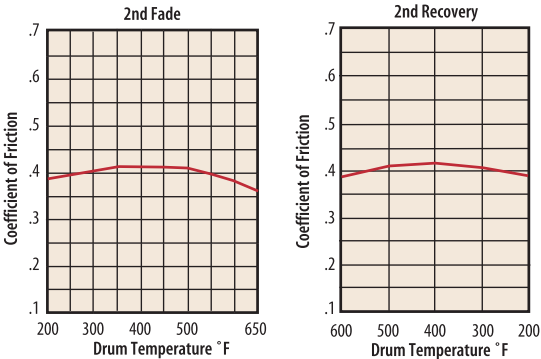
NB2000 This is a premium lined new shoe offering a smooth, noise-free and predictably stable stopping force over a wide range of temperature, pressure and speed variations.



NB2000 passes the inertia dynamometer requirement of the FMVSS 121 brake standard at a 20,000 lb. GAWR when using an AL factor of 165 (type 30 air chamber and a 5.5" slack adjuster) or greater.

NB2000 is an innovative lining and new core combination where premium is demanded.

SAE J661A PROCEDURE



Normal Friction: .435 F
Hot Friction: .415 F

SPECIFICATIONS

Application

Recommended for use on S-Cam and Wedge brakes on trucks, tractors and trailers in medium weight applications such as general cargo, furniture, plastics and mail.

Typical Physical Properties

Gogan Hardness 25 GC

Nondestructive method of measuring a lining's compressibility. Used as a quality control check of the consistency of formulation and processing of brake lining (SAE J379a).

Specific Gravity 2.05

Nondestructive test used as a quality control check of the consistency of formulation and processing of brake lining (SAE J380).

Tensile Strength 1500 PSI

Method of evaluating physical strength of brake lining (ASTM D 952). Force required to break a sample of 1.0 x 1.0 inch.

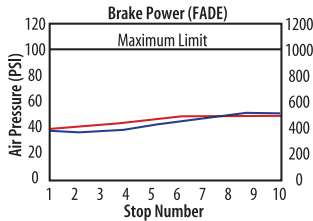
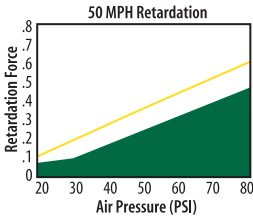
Temperature Range 700°F

Typical Inertia Dynamometer Plot Test Parameters FMVSS 121 Brake Standard

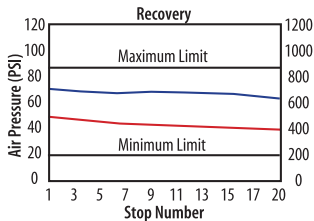
Brake: 16 1/2" x 7" Meritor S-CAM
Axle Load: 20,000 lbs.

AL Factor: 165
Rolling Radius: 20.7"

Drum Weight: 120 lbs.

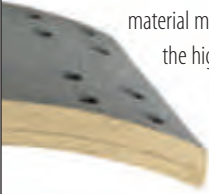


- Retardation Force
- Minimum Required Retardation
- Temperature °F
- Pressure



NB2001 ABS

NB2001 ABS is a brake shoe break through ... a significant advancement in brake shoe replacement. This new ultra-mileage material maintains incredible friction stability ... even in the highest temperature ranges.



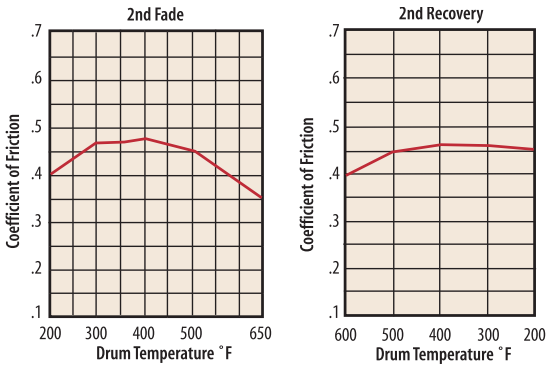
The NB2001 ABS is designed for maximum performance in anti-lock brake systems.

Premium, long-lasting friction material provides unsurpassed brake effectiveness, making this the safest brake available in today's marketplace.

Brand new cores, used in combination with NB2001 ABS, create the best lining-to-drum contact and the most effective brake application.

Neo-Brake's NB2001 ABS is an innovative lining and new core combination that sets new standards in braking performance

SAE J661A PROCEDURE



Normal Friction: .442 F
Hot Friction: .430 F

SPECIFICATIONS

Application

Designed for maximum performance in both truck and trailer ABS systems, for hydraulic cam brakes and air-operated steer axles. Recommended for use on trucks, tractors and trailers in applications including general cargo, stop-and-go urban driving, bus, grain, liquid hauling, logging, dump trucks and low boys.

Typical Physical Properties

Gogan Hardness 22 GC

Nondestructive method of measuring a lining's compressibility. Used as a quality control check of the consistency of formulation and processing of brake lining (SAE J379a).

Specific Gravity 2.08

Nondestructive test used as a quality control check of the consistency of formulation and processing of brake lining (SAE J380).

Tensile Strength 1400 PSI

Method of evaluating physical strength of brake lining (ASTM D 952). Force required to break a sample of 1.0 x 1.0 inch.

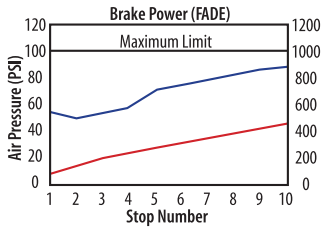
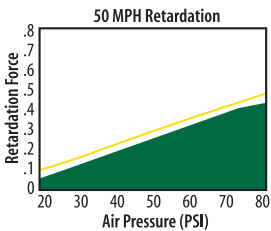
Temperature Range 800°F

Typical Inertia Dynamometer Plot Test Parameters FMVSS 121 Brake Standard

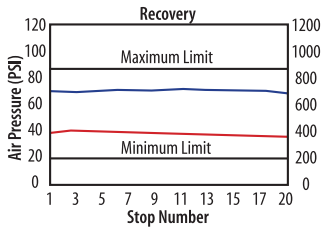
Brake: 16 1/2" x 7" Rockwell Q
Axle Load: 23,000 lbs.

AL Factor: 165
Rolling Radius: 20.7"

Drum Weight: 120 lbs.



- Retardation Force
- Minimum Required Retardation
- Temperature °F
- Pressure



HIGH PERFORMANCE PREMIUM

NBCB Combo-Block

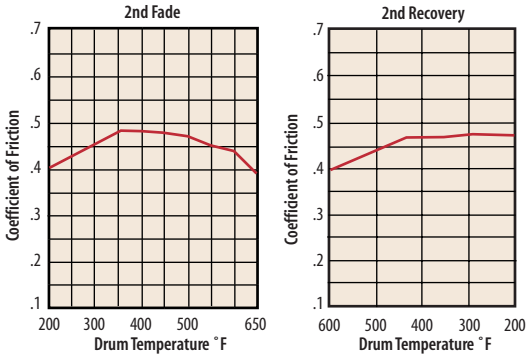
COMBO-BLOCK creates a dual friction material of semi-metallic and organic friction. Combined together, they provide superior stopping power and extended lining life.



Combo-Block passes the inertia dynamometer requirement of the FMVSS 121 brake standard at a 23,000 lbs. GAWR when using an AL factor of 180 (type 30 air chamber and a 6" slack adjuster) or greater.

For the most demanding applications Combo-Block provides exceptional heat dissipation, friction stability and good drum compatibility.

SAE J661A PROCEDURE



Normal Friction: .430 F
Hot Friction: .410 F

SPECIFICATIONS

Application

Recommended for use on trucks, tractors and trailers in all applications including general cargo, stop and go urban driving, bus, grain, liquid hauling, dump trucks and lowboys. Also designed for hydraulic cam brakes and air operated steer axles.

Typical Physical Properties

Gogan Hardness 29.6 GC

Nondestructive method of measuring a lining's compressibility. Used as a quality control check of the consistency of formulation and processing of brake lining (SAE J379a).

Specific Gravity 2.35

Nondestructive test used as a quality control check of the consistency of formulation and processing of brake lining (SAE J380).

Tensile Strength 6535 PSI

Method of evaluating physical strength of brake lining (ASTM D 952). Force required to break a sample of 1.0 x 1.0 inch.

Temperature Range 750°F

Typical Inertia Dynamometer Plot Test Parameters FMVSS 121 Brake Standard

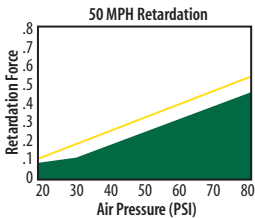
Brake: 16 1/2" x 7" Meritor S-CAM

Axle Load: 23,000 lbs.

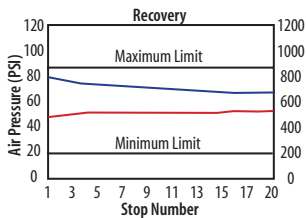
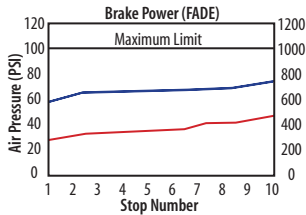
AL Factor: 180

Rolling Radius: 20.7"

Drum Weight: 120 lbs.



- Retardation Force
- Minimum Required Retardation
- Temperature °F
- Pressure



NBFM Fleetmaster

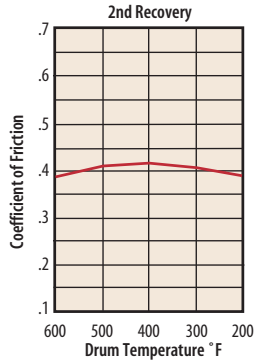
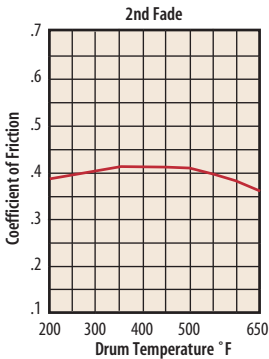
NBFM Features medium-friction asbestos-free brake lining. It offers excellent stability, consistent stopping power, and long lining life. Ideal for over-the-road trucks, tractor and trailers where premium performance is desired.



Fleetmaster passes the inertia dynamometer requirement of the FMVSS 121 brake standard at a 23,000 lb. GAWR when using an AL factor of 165 or greater.

NBFM noise-free premium lining provides superior fade resistance and exceptional drum compatibility.

SAE J661A PROCEDURE



Normal Friction: .420 F
Hot Friction: .410 F

SPECIFICATIONS

Application

Recommended for use on S-Cam and Wedge brakes on trucks, tractors and trailers in medium weight applications such as general cargo, furniture, plastics and mail.

Typical Physical Properties

Gogan Hardness 25 GC

Nondestructive method of measuring a lining's compressibility. Used as a quality control check of the consistency of formulation and processing of brake lining (SAE J379a).

Specific Gravity 2.05

Nondestructive test used as a quality control check of the consistency of formulation and processing of brake lining (SAE J380).

Tensile Strength 1450 PSI

Method of evaluating physical strength of brake lining (ASTM D 952). Force required to break a sample of 1.0 x 1.0 inch.

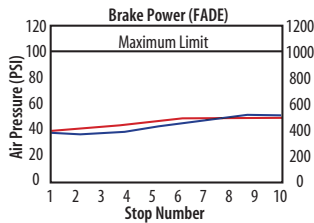
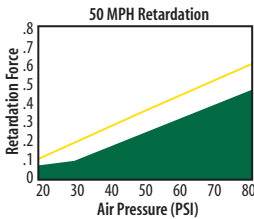
Temperature Range 700°F

Typical Inertia Dynamometer Plot Test Parameters FMVSS 121 Brake Standard

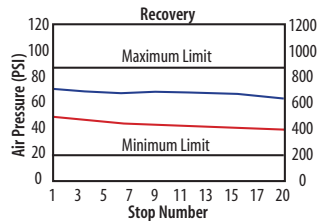
Brake: 16 1/2" x 7" Meritor S-CAM
Axle Load: 23,000 lbs.

AL Factor: 165
Rolling Radius: 20.7"

Drum Weight: 120 lbs.



- Retardation Force
- Minimum Required Retardation
- Temperature °F
- Pressure



EXTRA HEAVY DUTY PREMIUM

NBMB Masterblock

Masterblock features a medium-friction asbestos-free brake lining with a glass and acrylic fiber base.

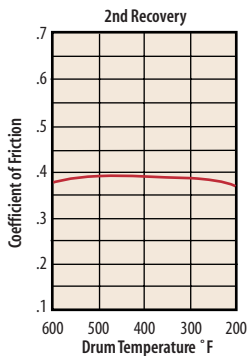
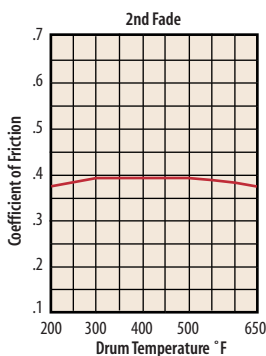


This block passes the inertia dynamometer requirement of FMVSS 121 brake standard at a 23,000 lbs. GAWR using an AL factor of 165 (type 30 air chamber and a 5.5" slack adjuster) or greater.

Masterblock has superior durability and friction stability, characteristics available only in premium grade materials. It's usable on both Wedge and S-Cam brakes for a wide range of applications, and it provides exceptional performance.

Masterblock is without question the best performing heavy duty premium grade brake block on the market today.

SAE J661A PROCEDURE



Normal Friction: .400 F
Hot Friction: .360 F

SPECIFICATIONS

Application

Recommended for use on S-Cam and Wedge brakes on trucks, tractors and trailers in medium weight applications such as general cargo, furniture, plastics and mail.

Typical Physical Properties

Gogan Hardness 28 GC

Nondestructive method of measuring a lining's compressibility. Used as a quality control check of the consistency of formulation and processing of brake lining (SAE J379a).

Specific Gravity 2.00-2.10

Nondestructive test used as a quality control check of the consistency of formulation and processing of brake lining (SAE J380).

Tensile Strength 1500 PSI

Method of evaluating physical strength of brake lining (ASTM D 952). Force required to break a sample of 1.0 x 1.0 inch.

Temperature Range 700°F

Typical Inertia Dynamometer Plot Test Parameters FMVSS 121 Brake Standard

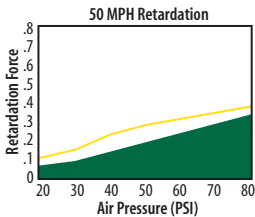
Brake: 16 1/2" x 7" Meritor S-CAM

Axle Load: 23,000 lbs.

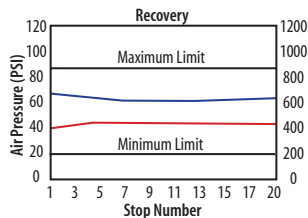
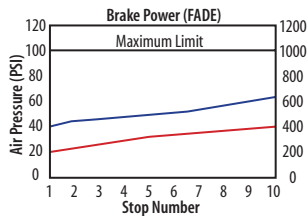
AL Factor: 165

Rolling Radius: 20.7"

Drum Weight: 120 lbs.



- Retardation Force
- Minimum Required Retardation
- Temperature °F
- Pressure



NBRM Roadmaster

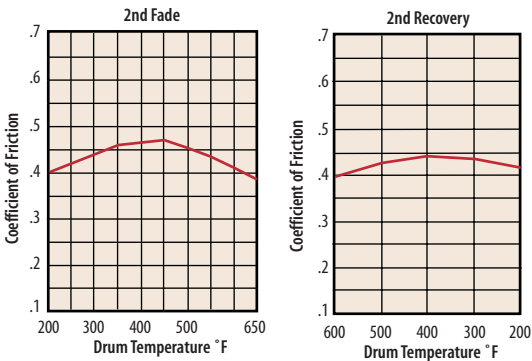
Roadmaster features medium-friction asbestos-free brake lining with a glass fiber base. Roadmaster is ideal for use with S-Cam air brakes in general freight long haul applications where high axle weights are not an issue.



Roadmaster meets the inertia dynamometer requirement of the FMVSS 121 brake standard at a 23,000 lbs. GAWR when using an AL factor of 180 (type 30 air chamber and a 6" slack adjuster) or greater.

Roadmaster's performance, wear life, and drum compatibility exceed that of other comparable heavy duty, asbestos-free materials.

SAE J661A PROCEDURE



Normal Friction: .420 F
Hot Friction: .410 F

SPECIFICATIONS

Application

Recommended for use on S-Cam and Wedge brakes on trucks, tractors and trailers in highway, general freight and long haul applications over moderate terrain.

Typical Physical Properties

Gogan Hardness 28 GC

Nondestructive method of measuring a lining's compressibility. Used as a quality control check of the consistency of formulation and processing of brake lining (SAE J379a).

Specific Gravity 2.02-2.08

Nondestructive test used as a quality control check of the consistency of formulation and processing of brake lining (SAE J380).

Tensile Strength 1300 PSI

Method of evaluating physical strength of brake lining (ASTM D 952). Force required to break a sample of 1.0 x 1.0 inch.

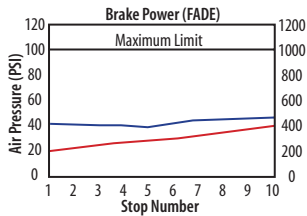
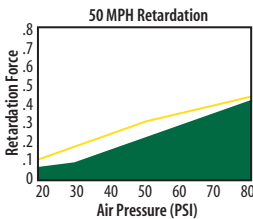
Temperature Range 650°F

Typical Inertia Dynamometer Plot Test Parameters FMVSS 121 Brake Standard

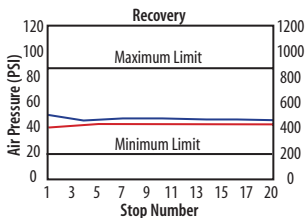
Brake: 16 1/2" x 7" Meritor S-CAM
Axle Load: 23,000 lbs.

AL Factor: 180
Rolling Radius: 20.7"

Drum Weight: 120 lbs.



- Retardation Force
- Minimum Required Retardation
- Temperature °F
- Pressure



HIGH PERFORMANCE PREMIUM

NBSM Semi-Metallic Block

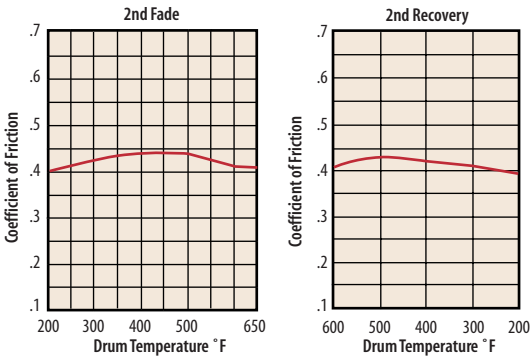
Semi-Metallic Block features medium-friction asbestos-free semi-metallic friction formula. A special blend of steel wool fiber with aramid fibers produces a superior high heat friction material.



Semi-Metallic Block passes the inertia dynamometer requirement of the FMVSS 121 brake standard at a 23,000 lbs. GAWR when using an AL factor of 180 (type 30 air chamber and a 6" slack adjuster) or greater.

Semi-Metallic Block was designed for special applications where high braking temperatures and foreign particle impregnation from dust, dirt and grit are an issue.

SAE J661A PROCEDURE



Normal Friction: .448 F
Hot Friction: .410 F

SPECIFICATIONS

Application

Recommended for use on trucks, tractors, and trailers in all applications including general cargo, stop and go urban driving, bus, grain, liquid hauling, dump trucks and lowboys. Also designed for hydraulic cam brakes and air operated steer axles.

Typical Physical Properties

Gogan Hardness 31.7 GC

Nondestructive method of measuring a lining's compressibility. Used as a quality control check of the consistency of formulation and processing of brake lining (SAE J379a).

Specific Gravity 2.65

Nondestructive test used as a quality control check of the consistency of formulation and processing of brake lining (SAE J380).

Tensile Strength 8210 PSI

Method of evaluating physical strength of brake lining (ASTM D 952). Force required to break a sample of 1.0 x 1.0 inch.

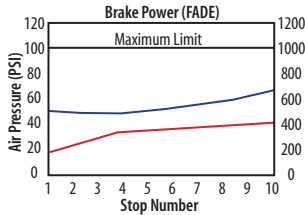
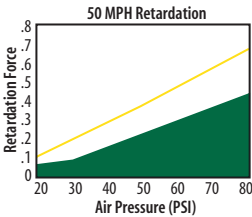
Temperature Range 800°F

Typical Inertia Dynamometer Plot Test Parameters FMVSS 121 Brake Standard

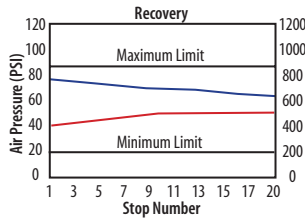
Brake: 16 1/2" x 7" Meritor S-CAM
Axle Load: 23,000 lbs.

AL Factor: 180
Rolling Radius: 20.7"

Drum Weight: 120 lbs.



- Retardation Force
- Minimum Required Retardation
- Temperature °F
- Pressure



HIGH PERFORMANCE PREMIUM

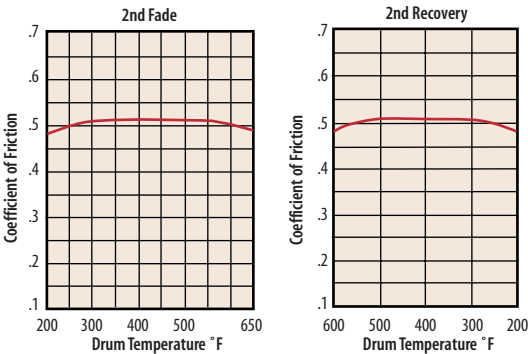
NBUB Ultrablock

Ultrablock features a high-friction asbestos-free lining with a glass fiber base. This premium mix is exceptionally fade resistant, has a very long life and exceptional drum compatibility.

Ultrablock's stopping performance and wear characteristics have been extensively evaluated in dynamometer testing and in millions of miles of practical use by fleets. Low swell and growth characteristics reduce potential for wheel lockup, making Ultrablock suitable for use with automatic slack adjusters. High tensile strength eliminates cracking in both shoe riveting and application on the truck.

Ultrablock meets the inertia dynamometer requirement of the FMVSS 121 brake standard at a 25,000 lbs. GAWR when using an AL factor of 180 (type 30 air chamber and a 6" slack adjuster). If cost per mile and downtime are important to you, Ultrablock is the rebuilt shoe you need.

SAE J661A PROCEDURE



Normal Friction: .520 G
Hot Friction: .510 G

SPECIFICATIONS

Application

Recommended for use on trucks, tractors and trailers in all applications including general cargo, stop and go urban driving, bus, grain, liquid hauling, dump trucks and lowboys. Also designed for hydraulic cam brakes and air operated steer axles.

Typical Physical Properties

Gogan Hardness 31 GC

Nondestructive method of measuring a lining's compressibility. Used as a quality control check of the consistency of formulation and processing of brake lining (SAE J379a).

Specific Gravity 1.94-2.02

Nondestructive test used as a quality control check of the consistency of formulation and processing of brake lining (SAE J380).

Tensile Strength 1700 PSI

Method of evaluating physical strength of brake lining (ASTM D 952). Force required to break a sample of 1.0 x 1.0 inch.

Temperature Range 1000°F

Typical Inertia Dynamometer Plot Test Parameters FMVSS 121 Brake Standard

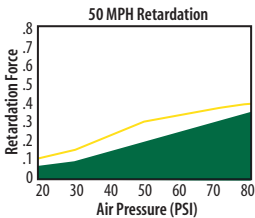
Brake: 16 1/2" x 7" Meritor S-CAM

Axle Load: 25,000 lbs.

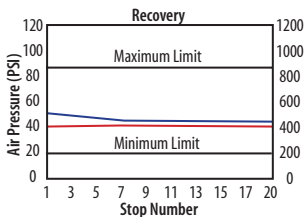
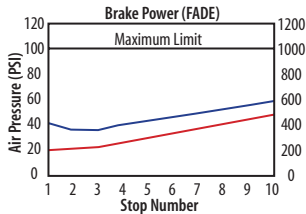
AL Factor: 180

Rolling Radius: 20.7"

Drum Weight: 120 lbs.



- Retardation Force
- Minimum Required Retardation
- Temperature °F
- Pressure



Part Number	Description	Weight (lbs)	Meritor Comparable	Bendix Comparable	Abex Comparable
NBCB-4311EN/S	SHOE 16.5 X 7 EATON NEW STYLE	16	CG	GOLD	685 / 6069
NBCB-4515Q	SHOE 16.5 X 7 MERITOR	18	CG	GOLD	685 / 6069
NBCB-4515QDANA	SHOE 16.5 X 7 DANA	18	CG	GOLD	685 / 6069
NBCB-4515T	SHOE 16.5 X 7 MERITOR P SERIES	18	CG	GOLD	685 / 6069
NBCB-4515XEM3	SHOE 16.5X7 FRUEHAUF QCK CHNG	18	CG	GOLD	685 / 6069
NBCB-4702Q	SHOE 16.5 X 4 MERITOR Q PLUS	11	CG	GOLD	685 / 6069
NBCB-4707Q	SHOE 16.5 X 7 MERITOR Q PLUS	20	CG	GOLD	685 / 6069
NBCB-4709E	SHOE 16.5 X 7 EATON EXT SERV	19	CG	GOLD	685 / 6069
NBCB-4709EN/S	SHOE 16.5X7 EATON EXTSEV NEW	19	CG	GOLD	685 / 6069
NBCBKIT-4311EN/S	SHOE 16.5 X 7 EATON NEW STYLE	36	CG	GOLD	685 / 6069
NBCBKIT-4515Q	SHOE 16.5 X 7 MERITOR	40	CG	GOLD	685 / 6069
NBCBKIT-4515QDANA	SHOE 16.5 X 7 DANA	40	CG	GOLD	685 / 6069
NBCBKIT-4515T	SHOE 16.5 X 7 MERITOR P SERIES	40	CG	GOLD	685 / 6069
NBCBKIT-4515XEM3	SHOE 16.5X7 FRUEHAUF QCK CHNG	40	CG	GOLD	685 / 6069
NBCBKIT-4702Q	SHOE 16.5 X 4 MERITOR Q PLUS	26	CG	GOLD	685 / 6069
NBCBKIT-4707Q	SHOE 16.5 X 7 MERITOR Q PLUS	44	CG	GOLD	685 / 6069
NBCBKIT-4709E	SHOE 16.5 X 7 EATON EXT SERVC	42	CG	GOLD	685 / 6069
NBCBKIT-4709EN/S	SHOE 16.5X 7 EATON EXTSEV NEW	42	CG	GOLD	685 / 6069
NBECO-1308D/R	SHOE 15 X 4 MERITOR	8	MG1EG	GREEN	XL6014 / XC 6085
NBECO-1308E	SHOE 15 X 4 EATON SINGLE WEB	8	MG1EG	GREEN	XL6014 / XC 6085
NBECO-1308Q	SHOE 15 X 4 MERITOR	8	MG1EG	GREEN	XL6014 / XC 6085
NBECO-1443E	SHOE 15X4 EATON SNG WEB EXSERV	8	MG1EG	GREEN	XL6014 / XC 6085
NBECO-4311EN/S	SHOE 16.5 X 7 EATON NEW STYLE	14	MG1EG	GREEN	XL6014 / XC 6085
NBECO-4515Q	SHOE 16.5 X 7 MERITOR	17	MG1EG	GREEN	XL6014 / XC 6085
NBECO-4515QB-LOCK	SHOE NEW 16.5 X 7 W/B-LOCK	17	MG1EG	GREEN	XL6014 / XC 6085
NBECO-4515QDANA	SHOE 16.5 X 7 DANA	17	MG1EG	GREEN	XL6014 / XC 6085
NBECO-4515XEM3	SHOE 16.5 X 7 FRUEHAUF	17	MG1EG	GREEN	XL6014 / XC 6085
NBECO-4551Q	SHOE 16.5 X 8.63 MERITOR	19	MG1EG	GREEN	XL6014 / XC 6085
NBECO-4702Q	SHOE 15 X 4 MERITOR Q PLUS	10	MG1EG	GREEN	XL6014 / XC 6085
NBECO-4707Q	SHOE 16.5 X 7 MERITOR Q PLUS	19	MG1EG	GREEN	XL6014 / XC 6085
NBECO-4709E	SHOE 16.5X7 EATON EXT SERVC	18	MG1EG	GREEN	XL6014 / XC 6085
NBECO-4709EN/S	SHOE 16.5X7 EATON EXTSEV NEW	18	MG1EG	GREEN	XL6014 / XC 6085
NBECOKIT-1308E	SHOE 15 X 4 EATON SINGLE WEB	17	MG1EG	GREEN	XL6014 / XC 6085
NBECOKIT-1308Q/S	SHOE 15 X 4 MERITOR	17	MG1EG	GREEN	XL6014 / XC 6085
NBECOKIT-1443E	SHOE 15X4 EATON SNG WEB EXSERV	18	MG1EG	GREEN	XL6014 / XC 6085
NBECOKIT-4311EN/S	SHOE 16.5 X 7 EATON NEW STYLE	32	MG1EG	GREEN	XL6014 / XC 6085
NBECOKIT-4515Q	SHOE 16.5 X 7 MERITOR	38	MG1EG	GREEN	XL6014 / XC 6085
NBECOKIT-4515QB-LOCK	SHOE NEW 16.5 X 7 W/B-LOCK	38	MG1EG	GREEN	XL6014 / XC 6085
NBECOKIT-4515QDANA	SHOE 16.5 X 7 DANA	38	MG1EG	GREEN	XL6014 / XC 6085
NBECOKIT-4515T	SHOE 16.5 X 7 MERITOR P SERIES	38	MG1EG	GREEN	XL6014 / XC 6085
NBECOKIT-4515XEM3	SHOE 16.5 X 7 FRUEHAUF	19	MG1EG	GREEN	XL6014 / XC 6085
NBECOKIT-4702Q	SHOE 15 X 4 MERITOR Q PLUS	24	MG1EG	GREEN	XL6014 / XC 6085
NBECOKIT-4707Q	SHOE 16.5 X 7 MERITOR Q PLUS	42	MG1EG	GREEN	XL6014 / XC 6085
NBECOKIT-4709E	SHOE 16.5X7 EATON EXT SERVC	40	MG1EG	GREEN	XL6014 / XC 6085
NBECOKIT-4709EN/S	SHOE 16.5X7 EATON EXTSEV NEW	40	MG1EG	GREEN	XL6014 / XC 6085
NBFM-1308D/R	SHOE 15 X 4 MERITOR	8	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFM-1308E	SHOE 15 X 4 EATON SINGLE WEB	8	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFM-1308Q	SHOE 15 X 4 MERITOR	8	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFM-1443E	SHOE 15X4 EATON SNG WEB EXSERV	8	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFM-4223E	SHOE 16.5 X 5 EATON	12	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFM-4311EN/S	SHOE 16.5 X 7 EATON NEW STYLE	14	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFM-4317EN/S	SHOE 16.5 X 6 EATON NEW STYLE	13	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFM-4317FORD	SHOE 16.5 X 6 EATON FORD	13	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFM-4514Q	SHOE 16.5 X 6 MERITOR	14	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFM-4514QM	SHOE 16.5 X 6 MERITOR MACK	14	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFM-4515Q	SHOE 16.5 X 7 MERITOR	17	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFM-4515QDANA	SHOE 16.5 X 7 DANA	17	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFM-4515T	SHOE 16.5 X 7 MERITOR P SERIES	17	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFM-4515XEM3	SHOE 16.5X7 FRUEHAUF QCK CHNG	17	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFM-4524Q	SHOE 16.5 X 5 MERITOR	12	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFM-4524QM	SHOE 16.5 X 5 MERITOR MACK	12	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFM-4551Q	SHOE 16.5 X 8.63 MERITOR	20	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFM-4591E	SHOE 12.25 X 7.5 EATON LOW BOY	10	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFM-4591SFA	SHOE 12.25X7.5 STD FORG LOWBOY	10	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFM-4670Q	SHOE 12.25X7.5 MERITOR LOW BOY	10	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFM-4692UN/S	SHOE 12.25X7.5 STD FORG LOWBOY	10	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFM-4702Q	SHOE 15 X 4 MERITOR Q PLUS	10	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFM-4703Q	SHOE 15 X 5 MERITOR Q PLUS	11	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFM-4707Q	SHOE 16.5 X 7 MERITOR Q PLUS	19	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFM-4709E	SHOE 16.5X7 EATON EXT SERVC	18	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFM-4709EN/S	SHOE 16.5X7 EATON EXTSEV NEW	18	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFM-4710Q	SHOE 15 X 8.63 MERITOR Q PLUS	18	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFM-4715Q	SHOE 16.5 X 6 MERITOR Q PLUS	14	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFM-4718Q	SHOE 16.5 X 8 MERITOR Q PLUS	19	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFM-4719EN/S	SHOE 16.5X5 EATON EXT SERVC	15	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFM-4726EN/S	SHOE 16.5X8.63 EATON EXT SERVC	20	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFMKIT-1308D/R/S	SHOE 15 X 4 MERITOR	20	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFMKIT-1308E	SHOE 15 X 4 EATON SINGLE WEB	20	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFMKIT-1308Q/S	SHOE 15 X 4 MERITOR	20	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFMKIT-1443E	SHOE 15X4 EATON SNG WEB EXSERV	20	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFMKIT-4223E	SHOE 16.5 X 5 EATON FORD	28	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFMKIT-4311EN/S	SHOE 16.5 X 7 EATON NEW STYLE	32	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFMKIT-4317EN/S	SHOE 16.5 X 6 EATON NEW STYLE	30	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFMKIT-4317FORD	SHOE 16.5 X 6 EATON FORD	30	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166

Part Number	Description	Weight (lbs)	Meritor Comparable	Bendix Comparable	Abex Comparable
NBFMKIT-4514Q	SHOE 16.5 X 6 MERITOR	32	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFMKIT-4514QM	SHOE 16.5 X 6 MERITOR MACK	32	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFMKIT-4515Q	SHOE 16.5 X 7 MERITOR	38	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFMKIT-4515QDANA	SHOE 16.5 X 7 DANA	38	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFMKIT-4515T	SHOE 16.5 X 7 MERITOR P SERIES	38	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFMKIT-4515XEM3	SHOE 16.5X7 FRUEHAUF QCK CHNG	38	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFMKIT-4524Q	SHOE 16.5 X 5 MERITOR	28	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFMKIT-4524QM	SHOE 16.5 X 5 MERITOR MACK	28	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFMKIT-4551Q	SHOE 16.5 X 8.63 MERITOR	44	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFMKIT-4591E	SHOE 12.25 X 7.5 EATON LOW BOY	24	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFMKIT-4591SFA	SHOE 12.25X7.5 STD FORG LOWBOY	24	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFMKIT-4670Q	SHOE 12.25X7.5 MERITOR LOW BOY	24	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFMKIT-4692UN/S	SHOE 12.25X7.5 STD FORG LOWBOY	24	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFMKIT-4702Q	SHOE 15 X 4 MERITOR Q PLUS	24	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFMKIT-4703Q	SHOE 15 X 5 MERITOR Q PLUS	26	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFMKIT-4707Q	SHOE 16.5 X 7 MERITOR Q PLUS	42	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFMKIT-4709E	SHOE 16.5X7 EATON EXT SERVC	40	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFMKIT-4709EN/S	SHOE 16.5X7 EATON EXTSERV NEW	40	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFMKIT-4710Q	SHOE 15 X 8.63 MERITOR Q PLUS	40	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFMKIT-4715Q	SHOE 16.5 X 6 MERITOR Q PLUS	32	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFMKIT-4718Q	SHOE 16.5 X 8 MERITOR Q PLUS	42	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFMKIT-4719EN/S	SHOE 16.5X5 EATON EXT SERVC	34	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBFMKIT-4726EN/S	SHOE 16.5X8.63 EATON EXT SERVC	44	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBMB-4311EN/S	SHOE 16.5 X 7 EATON NEW STYLE	14	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBMB-4515Q	SHOE 16.5 X 7 MERITOR	17	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBMB-4515QDANA	SHOE 16.5 X 7 DANA	17	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBMB-4515T	SHOE 16.5 X 7 MERITOR P SERIES	17	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBMB-4515XEM3	SHOE 16.5X7 FRUEHAUF QCK CHNG	17	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBMB-4702Q	SHOE 16.5 X 4 MERITOR Q PLUS	10	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBMB-4707Q	SHOE 16.5 X 7 MERITOR Q PLUS	19	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBMB-4709E	SHOE 16.5X7 EATON EXT SERVC	18	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBMB-4709EN/S	SHOE 16.5X7 EATON EXTSERV NEW	18	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBMBKIT-4311EN/S	SHOE 16.5 X 7 EATON NEW STYLE	32	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBMBKIT-4515Q	SHOE 16.5 X 7 MERITOR	38	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBMBKIT-4515QDANA	SHOE 16.5 X 7 DANA	38	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBMBKIT-4515T	SHOE 16.5 X 7 MERITOR P SERIES	38	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBMBKIT-4515XEM3	SHOE 16.5X7 FRUEHAUF QCK CHNG	38	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBMBKIT-4702Q	SHOE 16.5 X 4 MERITOR Q PLUS	24	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBMBKIT-4707Q	SHOE 16.5 X 7 MERITOR Q PLUS	42	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBMBKIT-4709E	SHOE 16.5 X 7 EATON EXT SERVC	40	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBMBKIT-4709EN/S	SHOE 16.5X7 EATON EXTSERV NEW	40	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBRM-4311EN/S	SHOE 16.5 X 7 EATON NEW STYLE	14	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBRM-4515Q	SHOE 16.5 X 7 MERITOR	17	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBRM-4515QB-LOCK	SHOE 16.5 X 7 NEW W/B-LOCK	17	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBRM-4515QDANA	SHOE 16.5 X 7 DANA	17	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBRM-4515T	SHOE 16.5 X 7 MERITOR P SERIES	17	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBRM-4515XEM3	SHOE 16.5X7 FRUEHAUF QCK CHNG	17	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBRM-4702Q	SHOE 15 X 4 MERITOR Q PLUS	10	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBRM-4707Q	SHOE 16.5 X 7 MERITOR Q PLUS	19	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBRM-4709E	SHOE 16.5 X 7 EATON EXT SERVC	18	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBRM-4709EN/S	SHOE 16.5X7 EATON EXTSERV NEW	18	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBRMKIT-4311EN/S	SHOE 16.5 X 7 EATON NEW STYLE	32	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBRMKIT-4515Q	SHOE 16.5 X 7 MERITOR	38	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBRMKIT-4515QB-LOCK	SHOE 16.5 X 7 NEW W/B-LOCK	38	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBRMKIT-4515QDANA	SHOE 16.5 X 7 DANA	38	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBRMKIT-4515T	SHOE 16.5 X 7 MERITOR P SERIES	38	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBRMKIT-4515XEM3	SHOE 16.5X7 FRUEHAUF QCK CHNG	38	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBRMKIT-4702Q	SHOE 15 X 4 MERITOR Q PLUS	24	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBRMKIT-4707Q	SHOE 16.5 X 7 MERITOR Q PLUS	42	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBRMKIT-4709E	SHOE 16.5 X 7 EATON EXT SERVC	40	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBRMKIT-4709EN/S	SHOE 16.5X7 EATON EXTSERV NEW	40	MA 212 / MA 210 / MG 2L / EG 2	BLUE / SILVER	EN 6008 / ANP 6166
NBSB-1308D/R	SHOE 15X4 MERITR SNG WEB P SER	8	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSB-1308E	SHOE 15 X 4 EATON SINGLE WEB	8	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSB-1308Q	SHOE 15 X 4 MERITOR	8	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSB-1443E	SHOE 15X4 EATON SNG WEB EXSERV	8	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSB-4223E	SHOE 16.5 X 5 EATON	12	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSB-4311EN/S	SHOE 16.5 X 7 EATON NEW STYLE	14	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSB-4317EFORD	SHOE 16.5 X 6 EATON FORD	13	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSB-4317EN/S	SHOE 16.5 X 6 EATON NEW STYLE	13	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSB-4514Q	SHOE 16.5 X 6 MERITOR	14	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSB-4514QM	SHOE 16.5 X 6 MERITOR MACK	14	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSB-4515Q	SHOE 16.5 X 7 MERITOR	17	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSB-4515QDANA	SHOE 16.5 X 7 DANA	17	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSB-4515T	SHOE 16.5 X 7 MERITOR P SERIES	17	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSB-4515XEM3	SHOE 16.5X7 FRUEHAUF QCK CHNG	17	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSB-4524Q	SHOE 16.5 X 5 MERITOR	12	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSB-4524QM	SHOE 16.5 X 5 MERITOR MACK	12	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSB-4551Q	SHOE 16.5 X 8.63 MERITOR	20	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSB-4591E	SHOE 12.25 X 7.5 EATON LOW BOY	10	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSB-4591SFA	SHOE 12.25X7.5 STD FORG LOWBOY	10	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSB-4670Q	SHOE 12.25X7.5 MERITOR LOWBOY	10	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSB-4692UN/S	SHOE 12.25X7.5 STD FORG LOWBOY	10	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSB-4702Q	SHOE 15 X 4 MERITOR Q PLUS	10	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSB-4703Q	SHOE 15 X 5 MERITOR Q PLUS	11	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011

Part Number	Description	Weight (lbs)	Meritor Comparable	Bendix Comparable	Abex Comparable
NBSB-4707Q	SHOE 16.5 X 7 MERITOR Q PLUS	19	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSB-4709E	SHOE 16.5 X 7 EATON EXT SERVC	18	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSB-4709EN/S	SHOE 16.5X7 EATON EXTSEV NEW	18	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSB-4710Q	SHOE 15 X 8.63 MERITOR Q PLUS	18	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSB-4711Q	SHOE 16.5X8.63 MERITOR Q PLUS	19	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSB-4715Q	SHOE 16.5 X 6 MERITOR Q PLUS	14	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSB-4718Q	SHOE 16.5 X 8 MERITOR Q PLUS	19	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSB-4719EN/S	SHOE 16.5 X 5 EATON EXT SERVC	15	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSB-4720Q	SHOE 16.5 X 5 MERITOR Q PLUS	12	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSB-4725EN/S	SHOE 16.5 X 6 EATON EXT SERVC	17	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSB-4726EN/S	SHOE 16.5X8.63 EATON EXT SERVC	20	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-1308D/R/S	SHOE 15X4 MERITOR SNG WEB P SE	20	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-1308E	SHOE 15 X 4 EATON SINGLE WEB	20	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-1308Q/S	SHOE 15 X 4 MERITOR	20	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-1443E	SHOE 15X4 EATON SNG WEB EXSERV	20	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-4223E	SHOE 16.5 X 5 EATON	28	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-4311EN/S	SHOE 16.5 X 7 EATON NEW STYLE	32	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-4317EFORD	SHOE 16.5 X 6 EATON FORD	30	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-4317EN/S	SHOE 16.5 X 6 EATON NEW STYLE	30	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-4514Q	SHOE 16.5 X 6 MERITOR	32	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-4514QM	SHOE 16.5 X 6 MERITOR MACK	32	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-4515Q	SHOE 16.5 X 7 MERITOR	38	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-4515QDANA	SHOE 16.5 X 7 DANA	38	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-4515T	SHOE 16.5 X 7 MERITOR P SERIES	38	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-4515XEM3	SHOE 16.5X7 FRUEHAUF QCK CHNG	38	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-4524Q	SHOE 16.5 X 5 MERITOR	28	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-4524QM	SHOE 16.5 X 5 MERITOR MACK	28	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-4551Q	SHOE 16.5 X 8.63 MERITOR	44	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-4591E	SHOE 12.25 X 7.5 EATON LOW BOY	24	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-4591SFA	SHOE 12.25X7.5 STD FORG LOWBOY	24	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-4670Q	SHOE 12.25X7.5 MERITOR LOWBOY	24	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-4692UN/S	SHOE 12.25X7.5 STD FORG LOWBOY	24	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-4702Q	SHOE 15 X 4 MERITOR Q PLUS	24	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-4703Q	SHOE 15 X 5 MERITOR Q PLUS	26	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-4707Q	SHOE 16.5 X 7 MERITOR Q PLUS	42	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-4709E	SHOE 16.5 X 7 EATON EXT SERVC	40	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-4709EN/S	SHOE 16.5X7 EATON EXTSEV NEW	40	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-4710Q	SHOE 15 X 8.63 MERITOR Q PLUS	40	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-4711Q	SHOE 16.5X8.63 MERITOR Q PLUS	42	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-4715Q	SHOE 16.5 X 6 MERITOR Q PLUS	32	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-4718Q	SHOE 16.5 X 8 MERITOR Q PLUS	42	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-4719EN/S	SHOE 16.5 X 5 EATON EXT SERVC	34	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-4720Q	SHOE 16.5 X 5 MERITOR Q PLUS	28	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-4725EN/S	SHOE 16.5 X 6 EATON EXT SERVC	38	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSBKIT-4726EN/S	SHOE 16.5X8.63 EATON EXT SERVC	44	MA 312 / MA 310 / MG 2	YELLOW / RED	EX 685 / AX 6149 / EL 6011
NBSM-4311EN/S	SHOE 16.5 X 7 EATON NEW STYLE	16	R 403	-	6098 / 6069
NBSM-4515Q	SHOE 16.5 X 7 MERITOR	18	R 403	-	6098 / 6069
NBSM-4515QDANA	SHOE 16.5 X 7 DANA	18	R 403	-	6098 / 6069
NBSM-4515T	SHOE 16.5 X 7 MERITOR P SERIES	18	R 403	-	6098 / 6069
NBSM-4515XEM3	SHOE 16.5X7 FRUEHAUF QCK CHNG	18	R 403	-	6098 / 6069
NBSM-4702Q	SHOE 16.5 X 4 MERITOR Q PLUS	11	R 403	-	6098 / 6069
NBSM-4707Q	SHOE 16.5 X 7 MERITOR Q PLUS	20	R 403	-	6098 / 6069
NBSM-4709E	SHOE 16.5 X 7 EATON EXT SERVC	19	R 403	-	6098 / 6069
NBSM-4709EN/S	SHOE 16.5X7 EATON EXTSEV NEW	19	R 403	-	6098 / 6069
NBSMKIT-4311EN/S	SHOE 16.5 X 7 EATON NEW STYLE	36	R 403	-	6098 / 6069
NBSMKIT-4515Q	SHOE 16.5 X 7 MERITOR	40	R 403	-	6098 / 6069
NBSMKIT-4515QDANA	SHOE 16.5 X 7 DANA	40	R 403	-	6098 / 6069
NBSMKIT-4515T	SHOE 16.5 X 7 MERITOR P SERIES	40	R 403	-	6098 / 6069
NBSMKIT-4515XEM3	SHOE 16.5X7 FRUEHAUF QCK CHNG	40	R 403	-	6098 / 6069
NBSMKIT-4702Q	SHOE 16.5 X 4 MERITOR Q PLUS	26	R 403	-	6098 / 6069
NBSMKIT-4707Q	SHOE 16.5 X 7 MERITOR Q PLUS	44	R 403	-	6098 / 6069
NBSMKIT-4709E	SHOE 16.5 X 7 EATON EXT SERVC	42	R 403	-	6098 / 6069
NBSMKIT-4709EN/S	SHOE 16.5X7 EATON EXTSEV NEW	42	R 403	-	6098 / 6069
NBUB-4311EN/S	SHOE 16.5 X 7 EATON NEW STYLE	14	R 403	-	6098 / 6069
NBUB-4515Q	SHOE 16.5 X 7 MERITOR	17	R 403	-	6098 / 6069
NBUB-4515QDANA	SHOE 16.5 X 7 DANA	17	R 403	-	6098 / 6069
NBUB-4515T	SHOE 16.5 X 7 MERITOR P SERIES	17	R 403	-	6098 / 6069
NBUB-4515XEM3	SHOE 16.5X7 FRUEHAUF QCK CHNG	17	R 403	-	6098 / 6069
NBUB-4702Q	SHOE 16.5 X 4 MERITOR Q PLUS	10	R 403	-	6098 / 6069
NBUB-4707Q	SHOE 16.5 X 7 MERITOR Q PLUS	19	R 403	-	6098 / 6069
NBUB-4709E	SHOE 16.5 X 7 EATON EXT SERVC	18	R 403	-	6098 / 6069
NBUB-4709EN/S	SHOE 16.5X7 EATON EXTSEV NEW	18	R 403	-	6098 / 6069
NBUBKIT-4311EN/S	SHOE 16.5 X 7 EATON NEW STYLE	32	R 403	-	6098 / 6069
NBUBKIT-4515Q	SHOE 16.5 X 7 MERITOR	38	R 403	-	6098 / 6069
NBUBKIT-4515QDANA	SHOE 16.5 X 7 DANA	38	R 403	-	6098 / 6069
NBUBKIT-4515T	SHOE 16.5 X 7 MERITOR P SERIES	38	R 403	-	6098 / 6069
NBUBKIT-4515XEM3	SHOE 16.5X7 FRUEHAUF QCK CHNG	38	R 403	-	6098 / 6069
NBUBKIT-4702Q	SHOE 16.5 X 4 MERITOR Q PLUS	24	R 403	-	6098 / 6069
NBUBKIT-4707Q	SHOE 16.5 X 7 MERITOR Q PLUS	42	R 403	-	6098 / 6069
NBUBKIT-4709E	SHOE 16.5 X 7 EATON EXT SERVC	40	R 403	-	6098 / 6069
NBUBKIT-4709EN/S	SHOE 16.5X7 EATON EXTSEV NEW	40	R 403	-	6098 / 6069