



Bendix® OE Linings for RSD Steer and Drive Axles

- BX380*
- BX860
- BX920
- BX950
- ES420
- ES600
- ES1180

*Obsoleted and replaced by BX920

FMVSS 121
Conditions:
See inside
for details



“Good” is simply not enough when it comes to braking and highway safety. To protect your vehicles and drivers – as well as maintain the safe operation of your RSD-equipped truck – the right choice is RSD-Certified Friction from a reputable OE supplier.

When every foot counts, the safest, highest performing option for RSD applications is Bendix® OE RSD (Reduced Stopping Distance) Steer and Drive Axle linings. Refer to the chart below for applicable combinations.

These premium-grade linings are designed to meet the demanding engineering requirements of our OEs and exceed Reduced Stopping Distance (RSD) regulations. With this friction choice, you’ll maintain the OE performance of your vehicle and continue the highest level of safety. All Bendix® linings meet or exceed FMVSS 121.

You can count on maximum stopping power when you need it, because these linings deliver lower fade and better thermal management. And since we only select friction with high flexural strength that resists cracking – then pair it with PermaGuard™, our premium coating – you get the ultimate rust jacking protection for longer service life and lower cost per mile.

Reduced Stopping Distance Mandate

The regulations affect tractors built after August 2011 (for Phase One) and August 2013 (for Phase Two). There is no requirement to retrofit older vehicles.

Phase	Axle Configuration	GVWR	Compliance Date
Phase 1	Standard 6 x 4	Below 59,600 lbs.	August 2011
Phase 2	4 x 2 Tractors	All	August 2013
	6 x 4 Severe Service	59,600 – 70,000 lbs.	
	6 x 4 Severe Service	Above 70,000 lbs.	
	4+ Axle Tractors	Below 85,000 lbs.	
	4+ Axle Tractors	Above 85,000 lbs.	



Bendix® OE Linings for RSD Steer Axle

BX380*
 BX860
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*Obsoleted and replaced by BX920



STEER

Bendix® OE Lining BX380

For Volvo and Mack applications.
Obsoleted and replaced with BX920.

GAWR	12 - 13.2k lbs	14.6k lbs
FMVSS 121 Conditions:		
Brake Size	16 ¹ / ₂ x 5 (4719)	16 ¹ / ₂ x 6 (4725)
AL Factor	**	**
Rolling Radius	21.5"	21.5"



Bendix® OE Lining BX860

GAWR 14.6k lbs 14.6k - 18k lbs 16k - 22k lbs

FMVSS 121 Conditions:			
Brake Size:	16 ¹ / ₂ x 5 (4719)	16 ¹ / ₂ x 6 (4725)	16 ¹ / ₂ x 7 (4709)
AL Factor:	**	**	**
Rolling Radius:	21.5"	21.5"	21.5"



Bendix® OE Lining BX920

For Volvo and Mack applications.
Replaces BX380.

GAWR	12 - 13.2k lbs	14.6k lbs
FMVSS 121 Conditions:		
Brake Size:	16 ¹ / ₂ x 5 (4719)	16 ¹ / ₂ x 6 (4725)
AL Factor:	**	**
Rolling Radius:	21.5"	21.5"



Bendix® OE Lining BX950

GAWR 12 - 13.2k lbs 13.2k - 16k lbs 16k - 20k lbs

FMVSS 121 Conditions:			
Brake Size:	16 ¹ / ₂ x 5 (4719)	16 ¹ / ₂ x 6 (4725)	16 ¹ / ₂ x 7 (4709)
AL Factor:	**	**	**
Rolling Radius:	21.5"	21.5"	21.5"



**AL Factor varies based on application parameters.

These frictions are part of the Bendix® OE Category of Friction.
 Learn More:

Bendix® Basic Friction

- Excellent value at an economical price
- Good wear and consistent performance under normal operating conditions, in low- to mid-range temperatures

Bendix® Advanced Friction

- Performs in higher temperatures with less fade
- Improved wear characteristics in more demanding applications
- Lower total cost of ownership
- Includes RSD solutions

Bendix® OE Friction

- The safest, highest performing option for maintaining your vehicle
- Engineered to meet the demands of OE certification
- Includes RSD solutions



Bendix® OE Linings for RSD Drive Axle

- BX415
- BX950
- ES420
- ES600
- ES1180



DRIVE

**Bendix®
OE Lining
BX415
NAO***

For Volvo and Mack applications.

GAWR 20k lbs

FMVSS 121 Conditions:

Brake Size: 16¹/₂ x 7 (4709)

AL Factor: 165

Rolling Radius: 21.5"



**Bendix®
OE Lining
BX950
NAO*/Metallic**

GAWR 26k lbs

FMVSS 121 Conditions:

Brake Size: 16¹/₂ x 7 (4709)

AL Factor: 165

Rolling Radius: 21.5"



**Bendix®
OE Lining
ES420
NAO***

GAWR 20k lbs

23k lbs

FMVSS 121 Conditions:

Brake Size 16¹/₂ x 7 (4709)

16¹/₂ x 8⁵/₈ (4726)

AL Factor 165**

165, 180

Rolling Radius 21.5"

21.5"



**Bendix®
OE Lining
ES600
NAO***

GAWR 20k lbs

23k lbs

FMVSS 121 Conditions:

Brake Size: 16¹/₂ x 7 (4709)

16¹/₂ x 7 (4709),

16¹/₂ x 8⁵/₈ (4726)

AL Factor: 165

165

Rolling Radius: 21.5"

20.7", 21.5"



**Bendix®
OE Lining
ES1180**

For long wheel base applications.

GAWR 23k lbs

26k lbs

FMVSS 121 Conditions:

Long Wheel Base
Combo – Block
(NAO*/Metallic)

Brake Size: 16¹/₂ x 7 (4709)

16¹/₂ x 7 (4709)

AL Factor: 180

180

Rolling Radius: 21.5"

21.5"



*Non-asbestos organic

**AL Factor varies based on application parameters.

ATTENTION:

This Bendix friction is not a direct replacement for OEM friction designed to meet the Federal Mandate for Reduced Stopping Distance (RSD) on vehicles manufactured beginning 2011. This friction is FMVSS-121 compliant prior to the RSD mandate taking effect.

WARNING: Bendix strongly recommends the use of RSD certified friction on all vehicles originally manufactured with RSD brake friction. Failure to utilize RSD friction could negatively impact the safe operation of the vehicle.

Friction tested and certified by the brake experts at Bendix.

Much more than a friction manufacturer or brake shoe reliner, we are a full brake system supplier with unparalleled expertise to support your fleet. We're uniquely qualified to develop brake products to exacting standards. That's why we maintain standard position at Kenworth®, Peterbilt®, Volvo® and Mack® and are an option at International® and Daimler Trucks North America.

We go beyond industry standard friction tests to conduct our own proprietary procedures on four in-house dynamometers. With the full range of Bendix® linings – from OE linings and high performance solutions to meet RSD requirements, to premium aftermarket and economy grade friction – you can be confident you're getting more. More performance. More service life. More value.



For more information, call 1-800-AIR-BRAKE (1-800-247-2725) or visit foundationbrakes.com today.

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