

Abex®

AB803

JUNE 2013
JUN 2013
JUNIO 2013

AIR DISC BRAKE PADS
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Abex® Air Disc Brake Pads

The Ideal Choice for Outstanding Braking Performance.

Modern CV air brake systems generate enormous frictional forces and stresses during operation — far in excess of those present in hydraulic systems. That's why you need a CV brake pad specifically formulated for air brake applications.

Abex air brake pads have patented cast iron backplates and an integrally molded V-groove design which greatly improves heat dispersal and eliminates excessive material stress. When you need a brake that stops faster with enhanced durability for long lasting performance — Abex is the ideal choice for all of your commercial vehicle braking needs.

OE Material(s)
Thermal Underlayer

**Green Coating —
for Rapid Bedding-In**

V-Groove Design

Cast Iron Back Plate

- Global leader in OE applications
- Friction materials engineered for specific applications
- Compatible with ABS/ESP systems
- Safe and reliable
- High performance under most temperatures and conditions
- Reduces downtime
- Extended life and reduced rotor wear
- Includes complete hardware kit
- Meets R90 European Standards

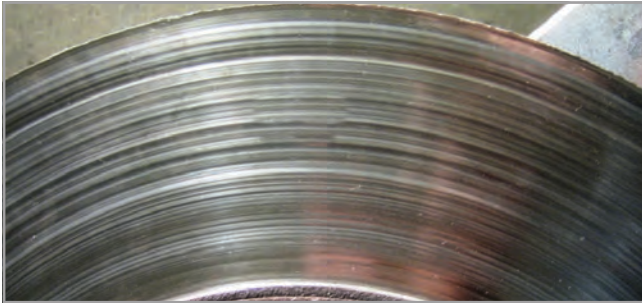
New patented cast iron backplate technology
for safer and more efficient braking performance

- Utilizes the latest advances in proprietary back plate cast iron technology
- Lighter than standard backplates
- Secure bond between pad material and backplate with less risk of corrosion

Secure Bond with Backing Plate



**The Future of CV
Brake Technology.**



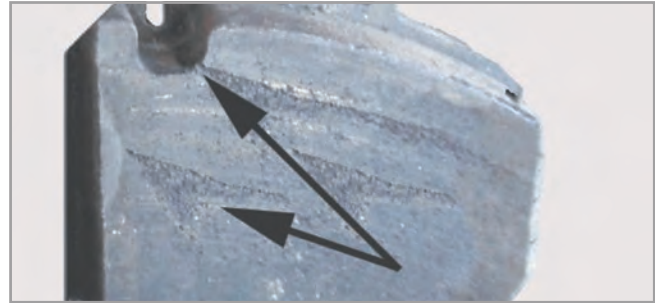
APPEARANCE Rotor featuring scored surface.

CAUSE Pads fitted with friction material too harsh for the rotor or new pads assembled on excessively worn out rotors.

EFFECT Reduction in braking performance and possible imbalance on the affected axle during braking.

REMEDY

- Replace the pads.
- Check rotor condition and minimum thickness. If necessary, replace the rotor.
- Check for the quality of the spare parts used.



APPEARANCE Excessively worn out rotors and pads.

CAUSE Possible contamination of the friction material by sand, mud or earth or incomplete return of the caliper gear.

EFFECT Excessive wear of one or more brake pads, resulting in damage where the pad has not been fitted with a wear indicator.

REMEDY

- Replace the pads.
- Check rotor condition and minimum thickness.
- If necessary, replace both rotors on the axle.



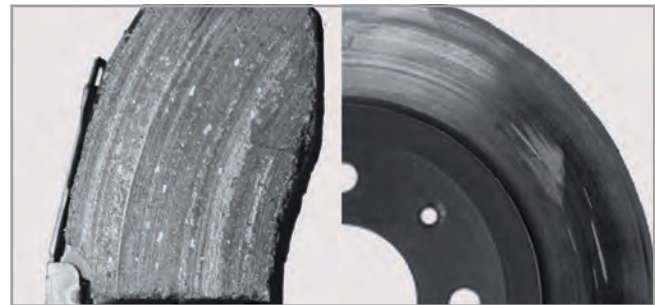
APPEARANCE Contaminated pad friction material.

CAUSE Contamination by an oily substance or solvent.

EFFECT Reduction in braking performance and possible imbalance during braking.

REMEDY

- Replace the pads.
- Check the rotors on the axle.
- Identify any fluid leaks from the hubs or other nearby components.



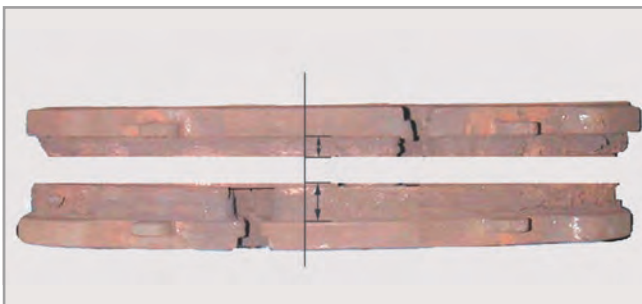
APPEARANCE Friction includes metal pick-up.

CAUSE High temperature generated between brake pad and rotor in wet conditions.

EFFECT Wear of the affected brake rotor with typical metal rubbing noise during braking.

REMEDY

- Replace the pads.
- Check rotor condition and minimum thickness.
- If necessary, replace both rotors on the axle.



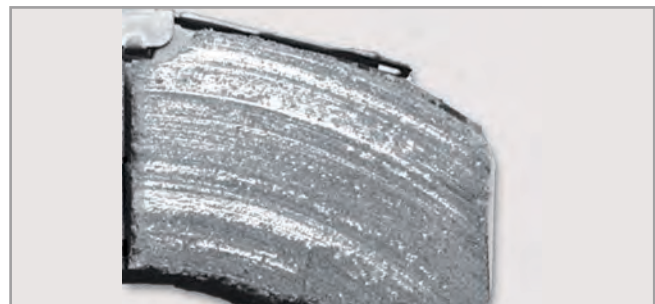
APPEARANCE Uneven brake pad wear.

CAUSE One of the calipers has become stuck or does not return correctly to the rest position.

EFFECT Reduction in braking performance and possible imbalance on the involved axle, during braking.

REMEDY

- Replace the pads.
- Brake calipers should be checked.



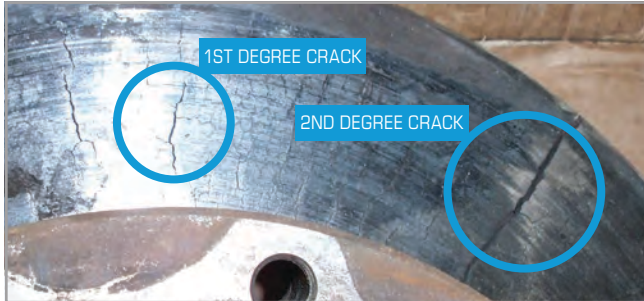
APPEARANCE Glazed pad friction material.

CAUSE Very low duty applied on the brakes, i.e. brake applications with low speed and low pressure.

EFFECT Reduction in braking performance and typical noise (squeal) while braking.

REMEDY

- If glazing is not too heavy can try to recondition the surface by some mileage of medium/hard brake duty, otherwise replace the pads.
- Check the rotor condition and minimum thickness.



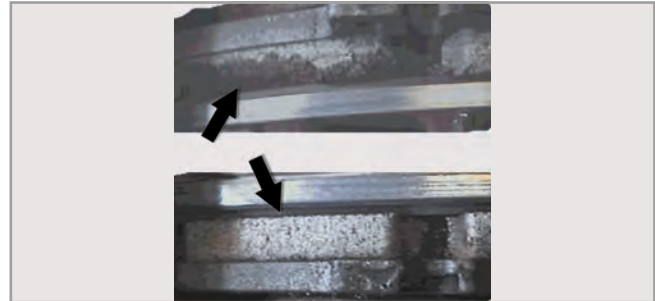
APPEARANCE Rotor surface features 1st and 2nd degree crack.

CAUSE Too intensive use of brakes due to the track features or to the carried load.

EFFECT Possible unexpected rotor mechanical collapse, particularly with 2nd degree crack.

REMEDY

- Immediate replacement of brake rotors and pads, particularly with 2nd degree crack, when one of the cracks is travelling from OD to ID.
- Brake calipers should be checked.



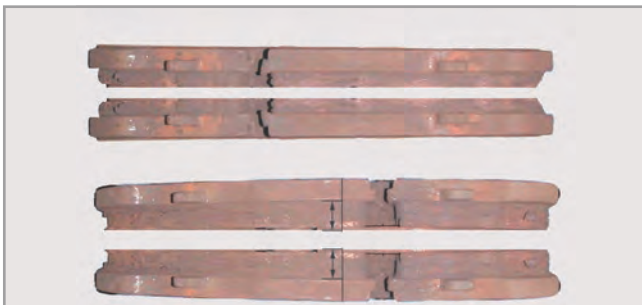
APPEARANCE Damaged edges to the friction material (edge-crumbling).

CAUSE Brake pad has become stuck in the caliper. The parts used do not comply with the correct sizes and specifications.

EFFECT Early pad deterioration and uneven rotor wear.

REMEDY

- Replace the pads.
- Check for correct caliper operation.
- Check rotor condition and minimum thickness.
- If necessary, replace both rotors on the axle.



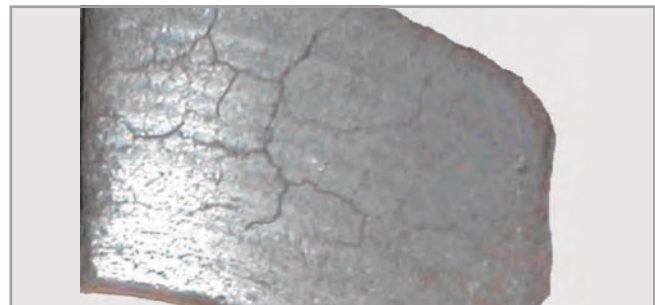
APPEARANCE Pads on the same axle featuring uneven wear.

CAUSE Incorrect return of one caliper on the same axle.

EFFECT If the axle involved is the directional one, this fault may result in vehicle instability during brake release.

REMEDY

- Replace the pads.
- Check for the proper caliper operation.
- Check rotor condition and minimum thickness.
- If necessary, replace both rotors on the axle.



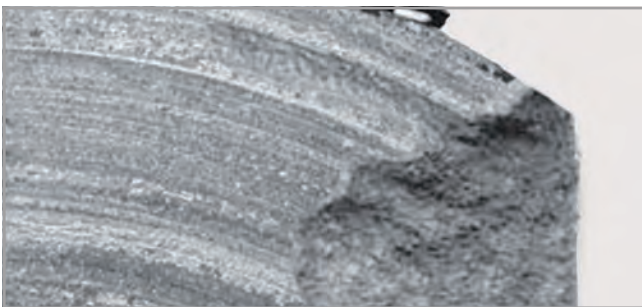
APPEARANCE Pad with surface cracks.

CAUSE Excessive load or high friction material temperature.

EFFECT Possible detachment of friction material resulting in a reduction in braking performance.

REMEDY

- Replace the pads.
- Check for correct caliper operation.
- Check rotor condition and minimum thickness.
- If necessary, replace both rotors on the axle.



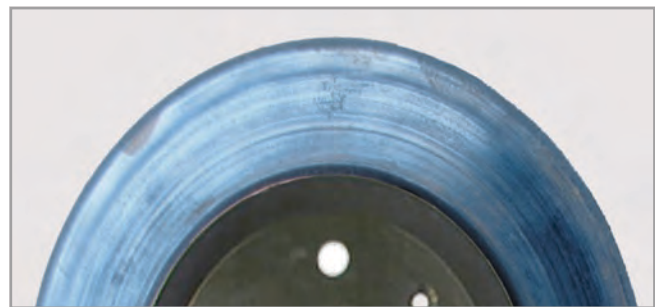
APPEARANCE Detached friction material.

CAUSE Possible excessive load or heavy braking, along with the choice of unsuitable parts.

EFFECT Reduction in braking performance and typical noise (squeal) while braking.

REMEDY

- Replace the pads.
- Check the rotor condition and minimum thickness.
- Despite having a wear indicator, it is necessary to check the pad condition during normal brake inspection and/or every six months.



APPEARANCE Blue stripes on the rotor indicating a physical change due to overheating.

CAUSE Intensive use of brakes for prolonged braking or improper downhill braking.

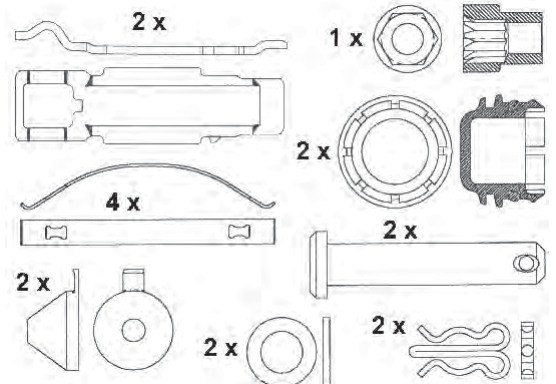
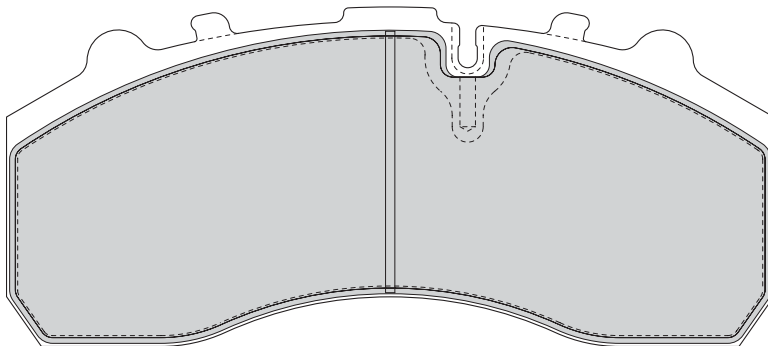
EFFECT Brake rotor overheating which may result in contact surface distortion and cracks.

REMEDY

- Immediate replacement of brake rotors and pads.
- During the first 150 miles after replacement, sharp braking should be avoided in order to allow for the correct bedding-in of the newly fitted components.

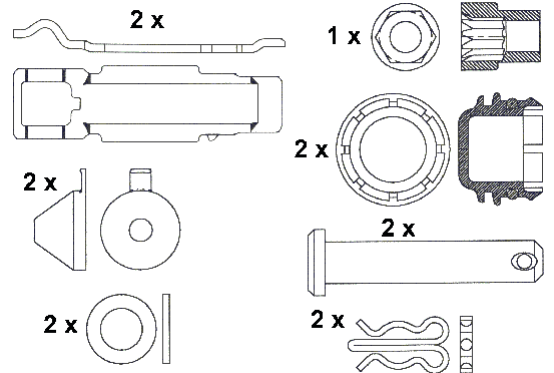
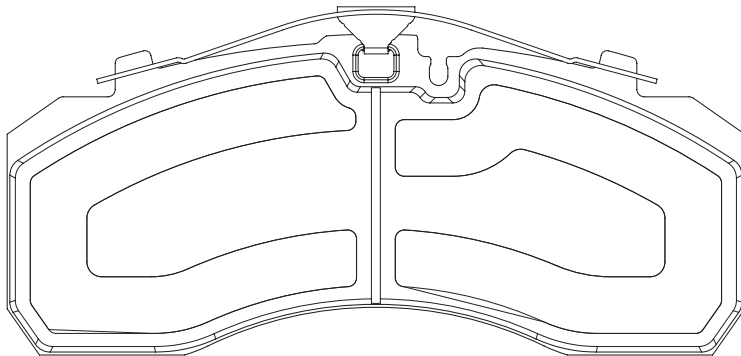


Brake Pad:	ADB1203FE
Type:	Knorr SB/SN7
Applications:	City Bus
X-ref:	5013257
FMSI:	8323-D1203
WVA:	29179
Material:	4567
Comments:	Includes OE style Hardware Kit



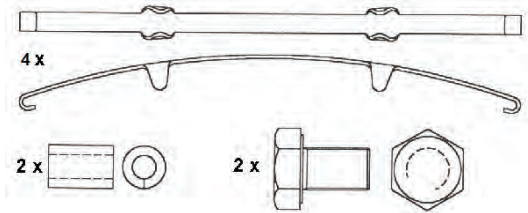
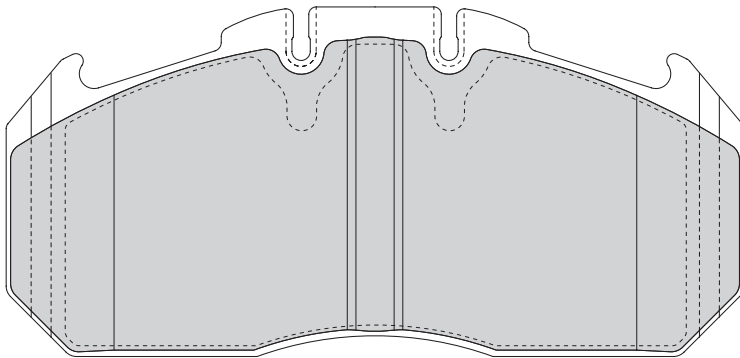


Brake Pad:	ADB1203AFE
Type:	Knorr SB/SN7
Applications:	Over-the-Road Coach
X-ref:	5013257 1138162F
FMSI:	8323-D1203
WVA:	29179
Material:	4550
Comments:	Includes OE style Hardware Kit



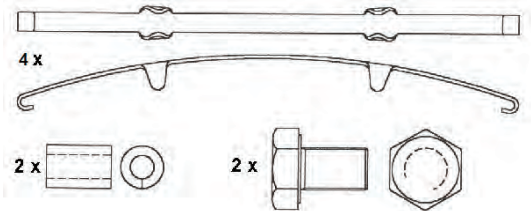
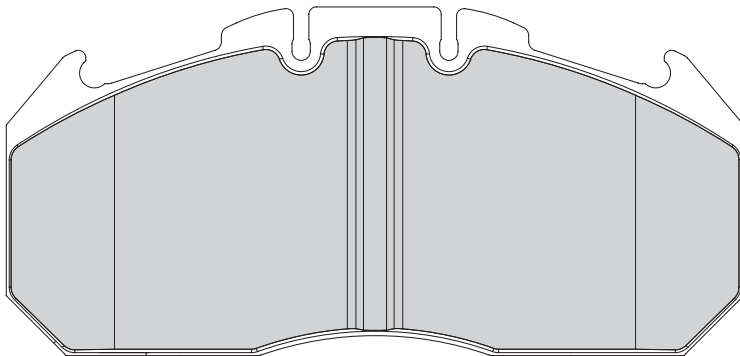


Brake Pad:	ADB1310FE
Type:	Meritor D-Elsa 2
Applications:	City Bus
X-ref:	MDP5097 N508206052
FMSI:	8425-D1310
WVA:	29156
Material:	4567
Comments:	Includes OE style Hardware Kit



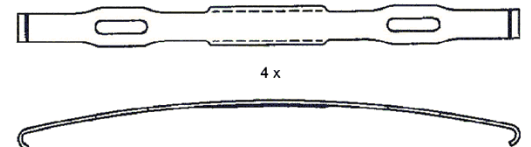
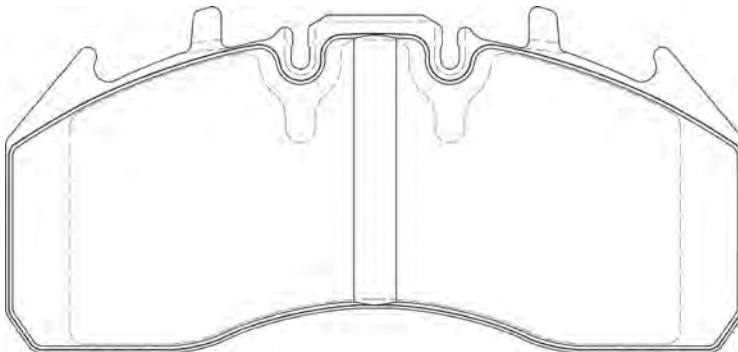


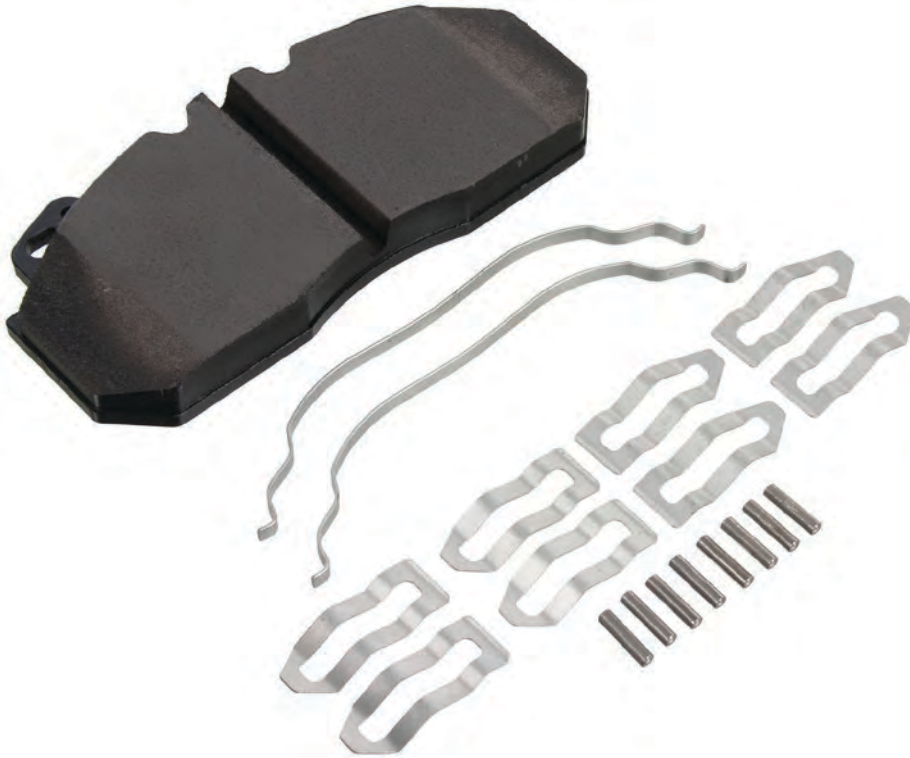
Brake Pad:	ADB1310AFE
Type:	Meritor D-Elsa 2
Applications:	Over-the-Road Coach
X-ref:	MDP5060 N508206051
FMSI:	8425-D1310
WVA:	29156
Material:	4568
Comments:	Includes OE style Hardware Kit



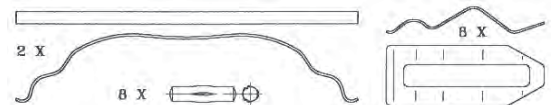
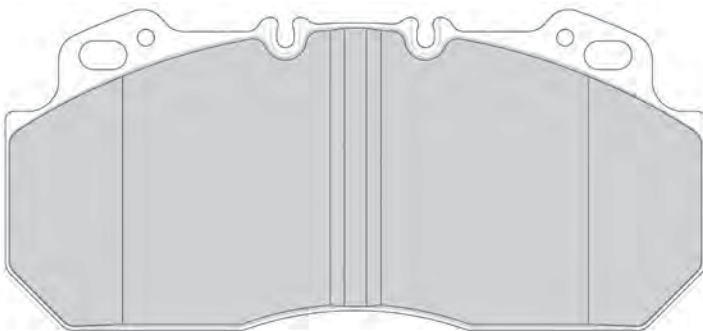


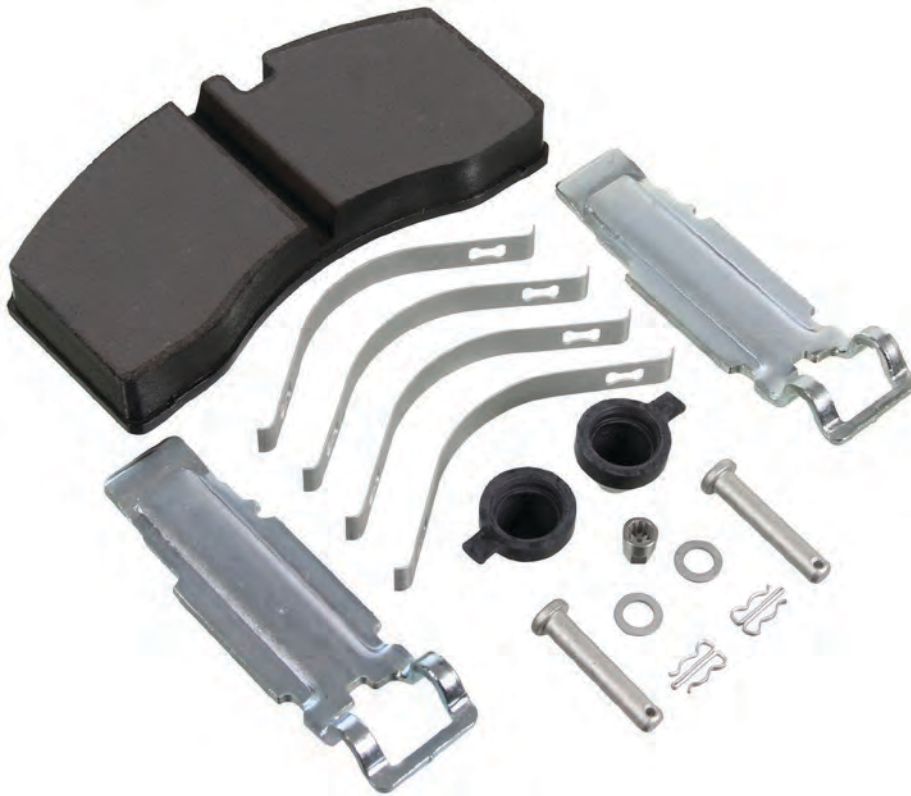
Brake Pad:	ADB1311
Type:	Meritor EX225H2
Applications:	Bus and Coach
X-ref:	Meritor KIT2252H2CD MCI #04-01-1113
FMSI:	8426-D1311
WVA:	29187
Material:	4576
Comments:	Includes OE style Hardware Kit



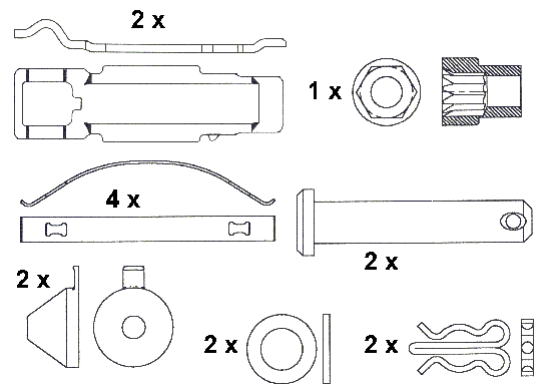
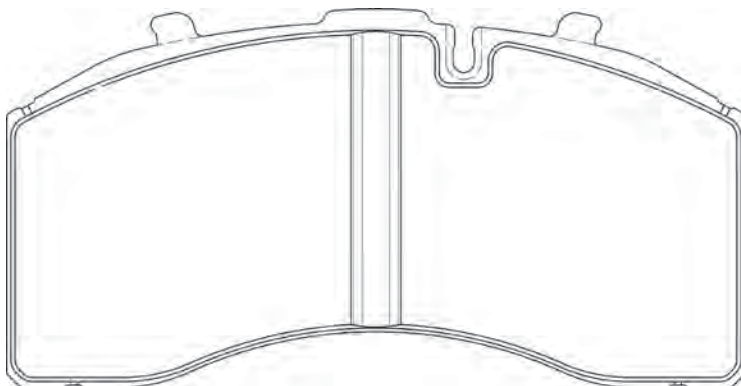


Brake Pad:	ADB1312
Type:	Meritor D-Lisa
Applications:	City Bus
X-ref:	68932068NZP
FMSI:	8427-D1312
WVA:	29090
Material:	4567
Comments:	Includes OE style Hardware Kit



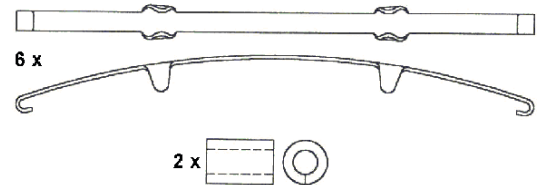
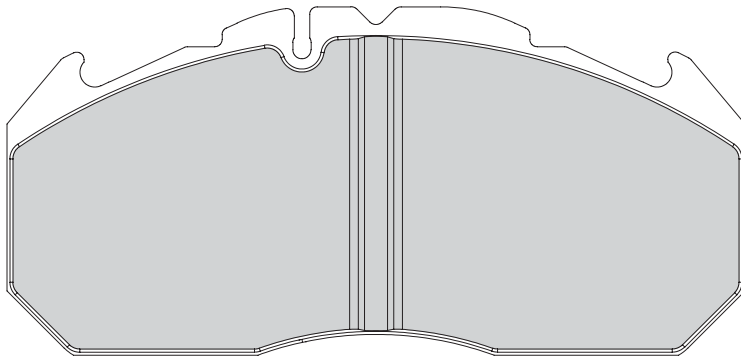


Brake Pad:	ADB1369
Type:	Bendix® ADB22XTM™ Knorr SK7
Applications:	SAF Tractor-Trailer
X-ref:	802078, K070796
FMSI:	8479-D1369
WVA:	29158
Material:	4550
Comments:	Includes OE style Hardware Kit



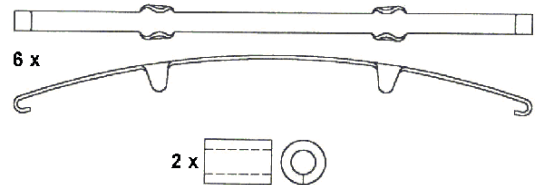
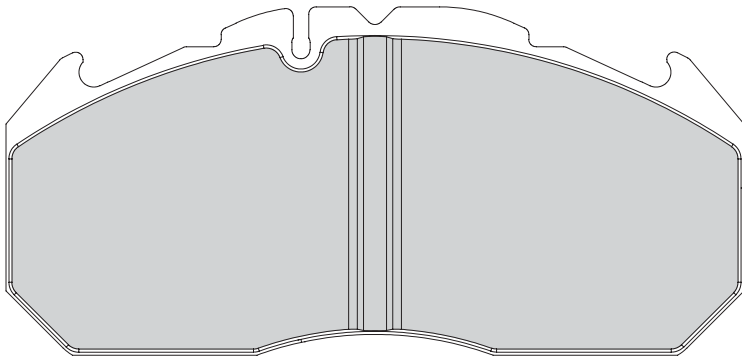


Brake Pad:	ADB1407FE
Type:	Meritor D3/D-Elsa1
Applications:	City Bus
X-ref:	MDP5065
FMSI:	8515-D1407
WVA:	29210
Material:	4567
Comments:	Includes OE style Hardware Kit



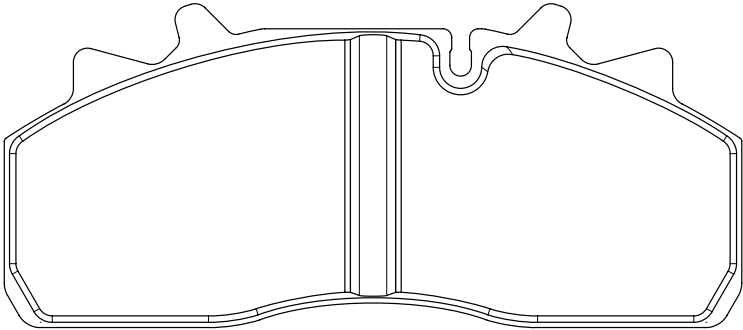


Brake Pad:	ADB1407AFE
Type:	Meritor D3/D-Elsa1
Applications:	Over-the-Road-Coach
X-ref:	MDP5038
FMSI:	8515-D1407
WVA:	29210
Material:	4568
Comments:	Includes OE style Hardware Kit



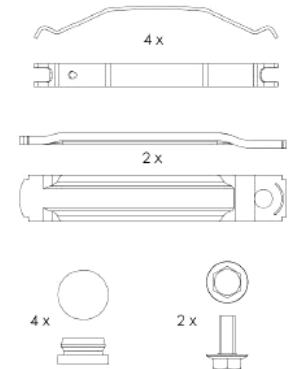
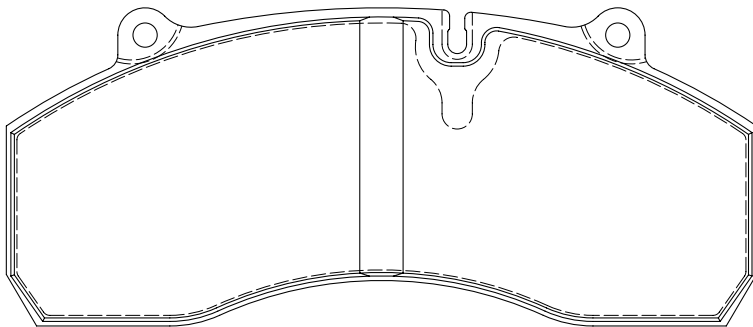


Brake Pad:	ADB1438
Type:	Wabco Pan19-1
X-ref:	12999737VT
FMSI:	8556-D1438
WVA:	29159
Material:	4569
Comments:	No Kit



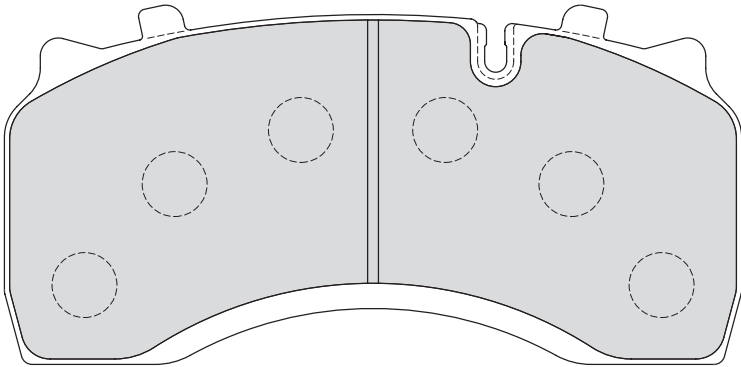


Brake Pad:	ADB1441
Type:	Bendix® ESD-225™
X-ref:	976003
FMSI:	8577-D1441
WVA:	29120
Material:	4550
Comments:	Includes OE style Hardware Kit



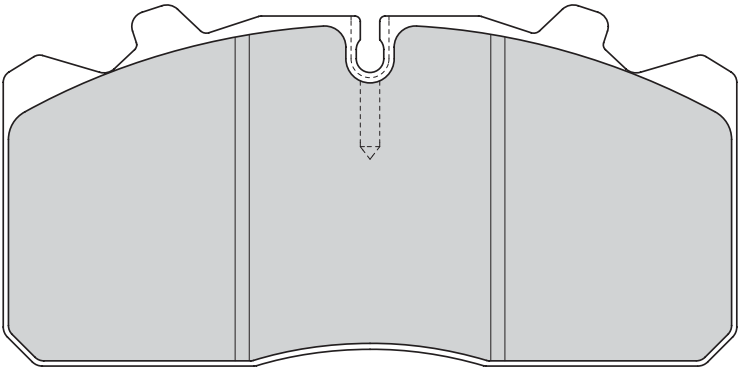


Brake Pad:	ADB1517
Type:	Wabco Pan19-2
X-ref:	12999747VT
FMSI:	8726-D1517
WVA:	29141
Material:	4572
Comments:	No Kit



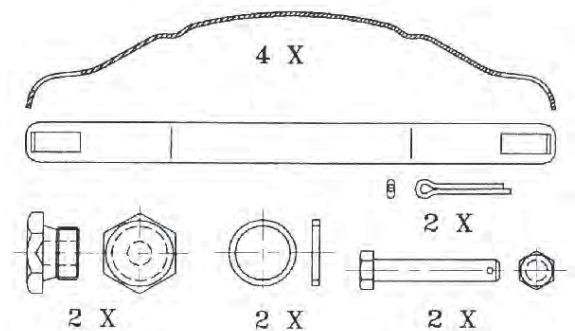
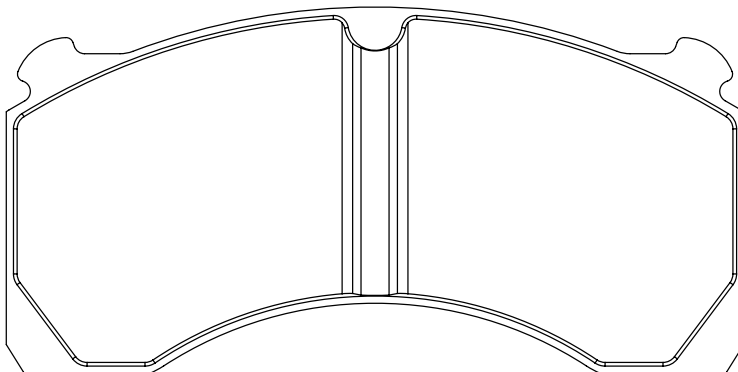


Brake Pad:	ADB1518
Type:	Wabco Pan17
X-ref:	12999703VT
FMSI:	8727-D518
WVA:	29088
Material:	4551
Comments:	No Kit



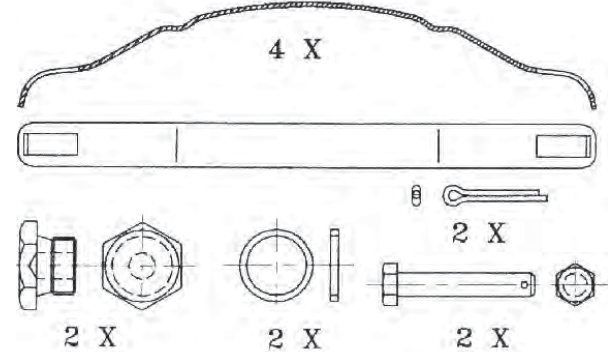
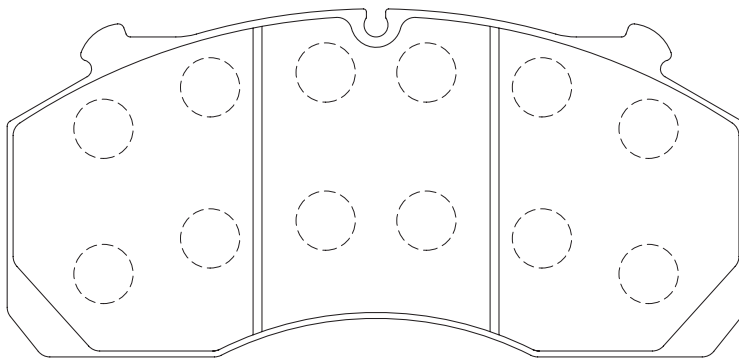


Brake Pad:	ADB1525FE
Type:	Meritor DX195
X-ref:	KIT 195020
FMSI:	8733-D1525
WVA:	29155
Material:	4550
Comments:	Includes OE style Hardware Kit



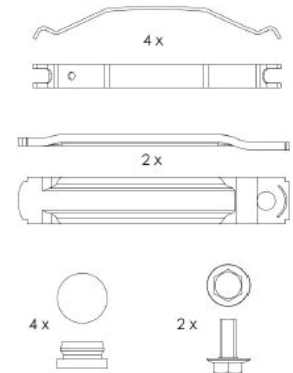
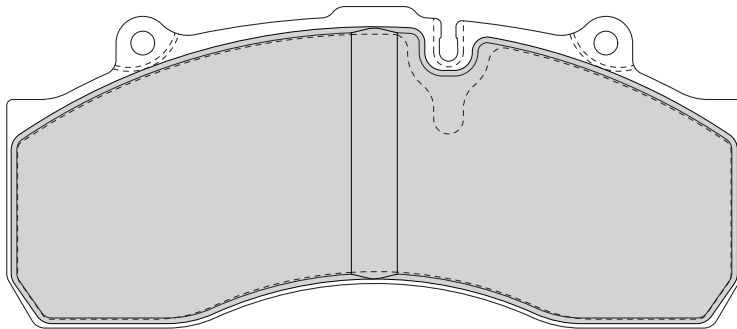


Brake Pad:	ADB1526
Type:	Meritor DX225
X-ref:	KIT225020
FMSI:	8734-D1526
WVA:	29150
Material:	4567
Comments:	Includes OE style Hardware Kit





Brake Pad:	ADB1527
Type:	Haldex ModulX® DB22
X-ref:	790-22008
FMSI:	8735-D1527
WVA:	29143
Material:	4550
Comments:	Includes OE style Hardware Kit



Competitor	Competitor Part	Abex Part	Competitor	Competitor Part	Abex Part
Prevost	611049	ADB1203AFE	Marathon	CBP-MTR225	ADB1311
Prevost	611049	ADB1203FE	Marathon	CBP-PRV01	ADB1203AFE
Bendix	976003	ADB1441	Marathon	CBP-PRV01	ADB1203FE
MCI	04-01-1019	ADB1312	Marathon	CBP-RN01	ADB1312
MCI	04-01-1113	ADB1311	Fritec	CFD-F120	ADB1312
Meritor - Wabco	12999703VT	ADB1518	Fritec	CFD-F280	ADB1311
Meritor - Wabco	12999737VT	ADB1438	Bendix	K070796	ADB1369
Meritor - Wabco	12999747VT	ADB1517	Meritor	KIT195020	ADB1525FE
Textar	292021	ADB1203AFE	Meritor	KIT225020	ADB1526
Textar	29202-300 1 4 T7400	ADB1203AFE	Meritor	KIT2252H2CD	ADB1311
Bendix	5013257	ADB1203AFE	Meritor	MDP5019	ADB1312
Bendix	5013257	ADB1203FE	Meritor	MDP5038	ADB1407AFE
Meritor	68932068NZZ	ADB1312	Meritor	MDP5042	ADB1312
Haldex	790-22008	ADB1527	Meritor	MDP5060	ADB1310AFE
Bendix	802078	ADB1369	Meritor	MDP5061	ADB1312
Performance Friction	9175.10	ADB1407AFE	Meritor	MDP5065	ADB1407FE
Performance Friction	9175.10	ADB1407FE	Meritor	MDP5097	ADB1310FE
Performance Friction	9178.10	ADB1203AFE	Van Hool	N508206044	ADB1407FE
Performance Friction	9178.10	ADB1203FE	Van Hool	N508206046	ADB1407AFE
Performance Friction	9178.10	ADB1203FE	Van Hool	N508206051	ADB1310AFE
Performance Friction	9183.10	ADB1312	Van Hool	N508206052	ADB1310FE
Performance Friction	9190.10	ADB1310AFE	WVA	29179	ADB1203AFE
Performance Friction	9190.10	ADB1310FE	WVA	29179	ADB1203FE
Raybestos	ATD1203HD	ADB1203	WVA	29158	ADB1369
Raybestos	ATD1310HD	ADB1310	WVA	29120	ADB1441
Raybestos	ATD1310HD	ADB1310AFE	WVA	29143	ADB1527
Raybestos	ATD1311HD	ADB1311	WVA	29210	ADB1407AFE
Raybestos	ATD1312HD	ADB1312	WVA	29210	ADB1407FE
Raybestos	ATD1369HD	ADB1369	WVA	29156	ADB1310AFE
Raybestos	ATD1407HD	ADB1407	WVA	29156	ADB1310FE
Raybestos	ATD1407HD	ADB1407AFE	WVA	29187	ADB1311
Bendix	ADB22X	ADB1369	WVA	29090	ADB1312
Marathon	CBP-HDX01	ADB1310AFE	WVA	29155	ADB1525FE
Marathon	CBP-HDX01	ADB1310FE	WVA	29150	ADB1526
			WVA	29088	ADB1518
			WVA	29159	ADB1438
			WVA	29141	ADB1517

**Engineered For Maximum
Braking Power and
Minimum Cost Per Mile.**



Drum Brake Block

The first choice of demanding,
quality-conscious fleets



RSD Drum Brakes

Specifically designed to
meet the FMVSS 121
RSD regulation



Air Brake CV Pads

Enhanced durability for long lasting
performance



Stop Box Kits

The complete braking
solution – eliminates
guesswork and parts hunting



TECHNICAL INFORMATION



HOTLINE

1-800-325-8886

U.S. and
Canada Only

