

Marathon



AIR DISC BRAKE PADS & ROTORS



MARATHON AIR DISC BRAKE PADS & ROTORS

Over the course of the last 20 years, air disc brakes have begun to make inroads within the North American heavy duty industry. Transit buses were among the early adopters of this braking technology. Marathon Brake Systems, a heavy duty friction leader for more than 30 years, introduced its first air disc pad for transit applications in 2003. Now Marathon has applied its braking expertise to develop a complete line of DiscStar air disc brake pads and rotors for a wide range of heavy duty applications.



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An Unbeatable Combination

Marathon's DiscStar pads and rotors are engineered to exceed OE specifications and are manufactured in world class ISO certified plants. These products are designed to address a wide range of aftermarket air disc brake applications, including on-highway trucks and trailers, motor coaches, transit buses, school buses, fire trucks, and waste haulers. Fleets that use DiscStar pads and rotors together will have confidence in their stopping power while maximizing pad and rotor life, reducing noise and lowering maintenance costs.

- DiscStar pads and rotors engineered to exceed OE specifications
- Manufactured in World Class ISO certified plants
- Marathon air disc pads proven performers for more than 15 years
- Pad and rotor compatibility has been engineered into our friction materials and verified with RP628C and SAE J2115 wear testing standards
- Specific pad formulations and rotor designs for wide range of on-highway, motor coach, school bus, severe duty and transit bus applications



**Get the longest pad and rotor life with low noise...
only from Marathon**

To address the continued growth of disc brakes in the heavy-duty industry, Marathon has developed the DiscStar family of high performance commercial vehicle disc pads. Designed specifically for air disc brakes, DiscStar pads are formulated using Marathon's years of friction expertise to exhibit less wear, more effective stopping power and high shear resistance. In addition, DiscStar features exceptional rotor compatibility and low rotor wear, showing up to 33% less brake rotor wear than the leading OEM linings. In addition, Marathon uses premium heavy duty hardware kits to prevent pad or caliper failures due weak hardware fixtures.

Fleets across the country count on DiscStar to provide dependable stopping power, a long pad and rotor life, and significant noise reduction.



DISCSTAR Pads Deliver

- Dependable stopping power
- Longer pad and rotor life
- Significant noise reduction
- High shear resistance
- Rapid heat dissipation
- DSHP DiscStar Highway Premium for on-highway commercial applications, including truck, motor coach and school bus
- DSTP DiscStar Transit Premium & Severe Service for heavy-duty severe service applications, including transit buses, fire trucks, refuse and concrete
- Insulative pad formation prevents damaging heat from transferring into caliper – saving seals and boots

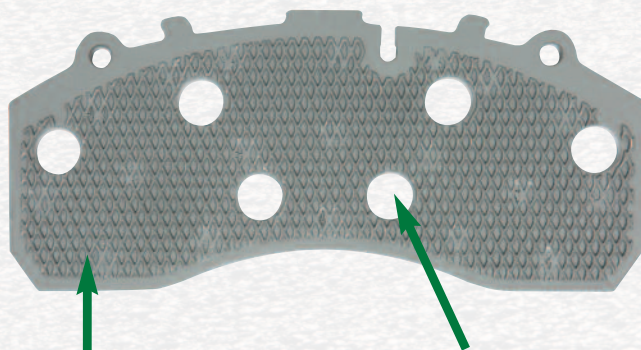
RSD
APPROVED PER RP628C



MARATHON'S PAD ATTACHMENT TECHNOLOGY

A common problem for many commercial vehicle air disc pads is the shearing of the pad from its backing plate, both a safety and maintenance concern. Marathon has developed a proven, reliable attachment method to ensure a high mechanical bond between the friction material and the steel backing plate. As the photos at right illustrate, Marathon's backing plate features IM holes designed to allow the friction to be integrally molded into the backing plate. The design of the backing plate also utilizes a welded wire mesh to ensure the ultimate bond and prevent the shearing so common to other manufacturer's pads.

- Proven attachment technology
- High mechanical bond between friction material and backing plate
- Friction integrally molded into backing plate
- Welded wire mesh on backing plate ensures mechanical attachment
- Protect your fleet from shearing common with other disc pads

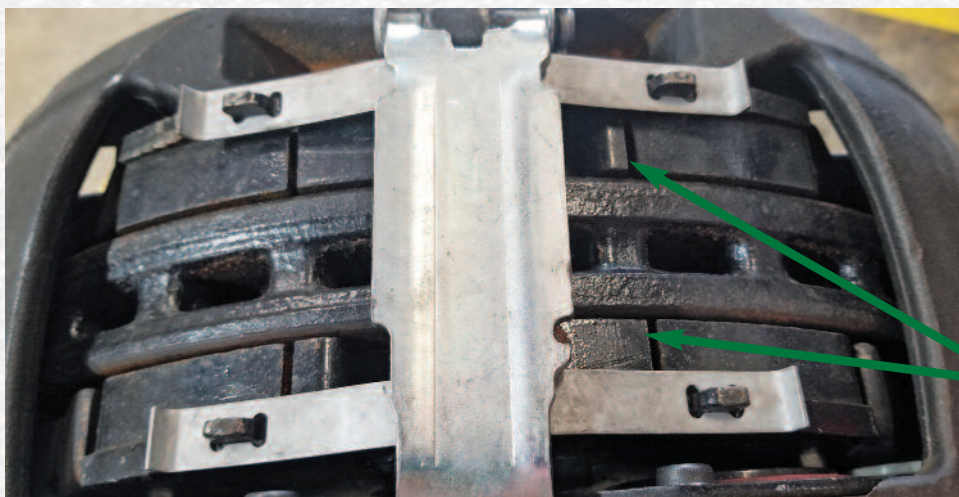


Welded wire mesh for stronger mechanical attachment

IM holes integrally mold friction into backing plate



Dual stress relief cuts serve as a 5mm wear indicator and enhance pad flexibility and strength. They also reduce noise by channeling wear debris away from brake surface.



Two stress cuts strategically placed on each side of hold-down bracket allowing use of bore scope to inspect wear indicator without wheel removal.



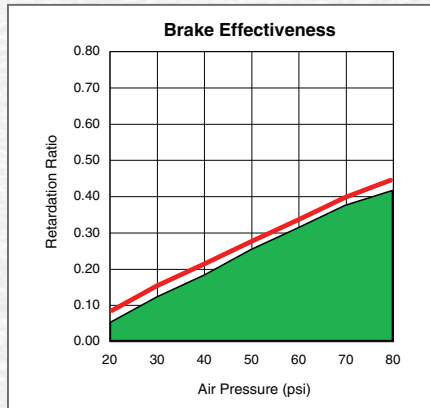
DSHP - DISCSTAR HIGHWAY PREMIUM

Ideal for On-Highway Commercial Applications

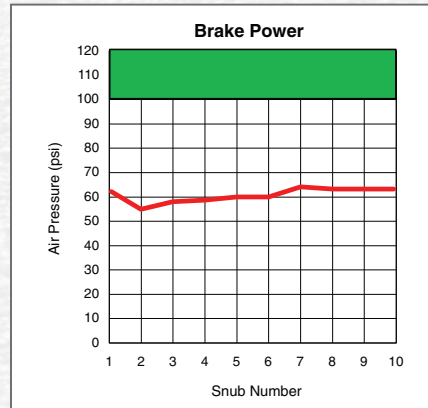
DiscStar Highway Premium (DSHP) is a high performance commercial vehicle disc pad designed specifically for air disc brakes. DiscStar Highway Premium pads were created for on-highway truck, tractor steer and drive axles, motor coaches, and school buses. This premium low-metallic material is rated for 23,000 lbs. and provides long pad life, quiet stopping and high shear resistance.



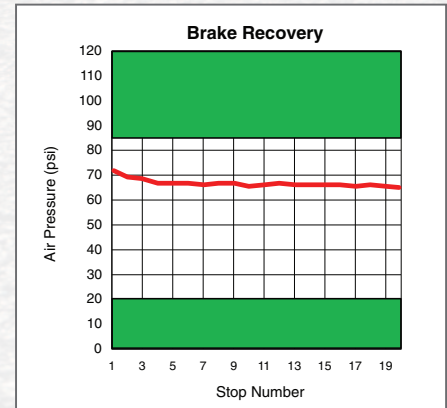
FMVSS 121 Test Results



Retardation



Fade



Recovery

Testing conducted in accordance with F.M.V.S.S. #121 criteria @ 23,000# axle load; ADB22X caliper; type 18/24 chamber; and a 20.8 inch tire rolling radius. Shaded area indicates non-compliance.



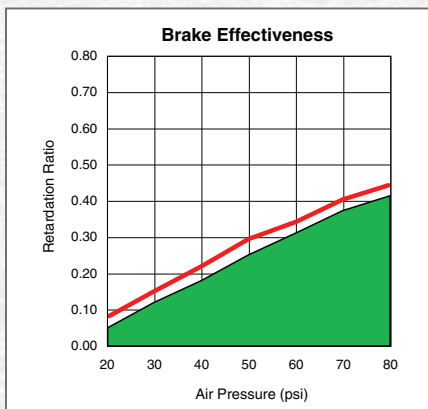
DSTP - DISCSTAR TRANSIT PREMIUM & SEVERE SERVICE

Ideal for Transit & Severe Duty Applications

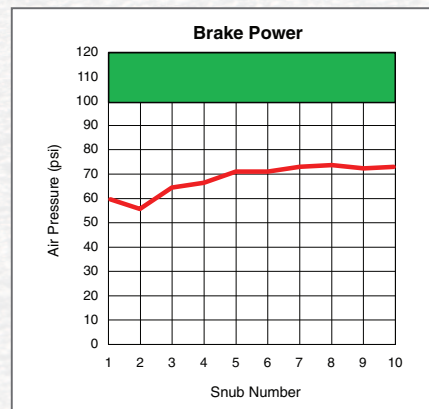
DiscStar Transit Premium and Severe Service (DSTP) is a high performance pad designed specifically for air disc brakes. DiscStar DSTP pads were created to handle the extreme conditions of severe duty disc brake applications such as transit buses, fire trucks, refuse, concrete and more. Formulated using Marathon's severe service ceramic expertise, DSTP is rated for 28,660 lbs. and provides a long life, more effective stopping power and high shear resistance.



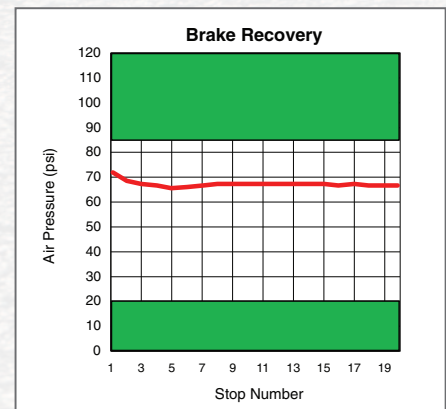
FMVSS 121 Test Results



Retardation



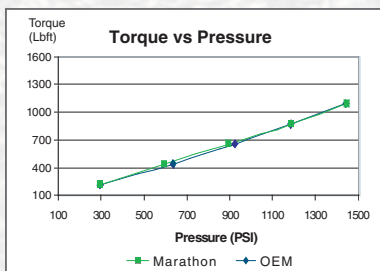
Fade



Recovery

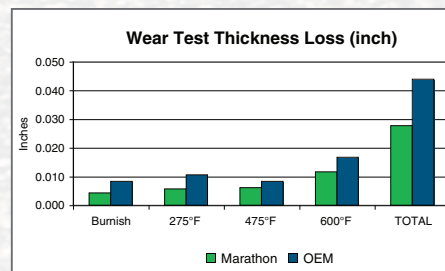
Testing conducted in accordance with F.M.V.S.S. #121 criteria @ 28,660# axle load: ADB22X caliper; type 24 chamber; and a 18.5 inch tire rolling radius. Shaded area indicates non-compliance.

DISCSTAR VS OEM Pads



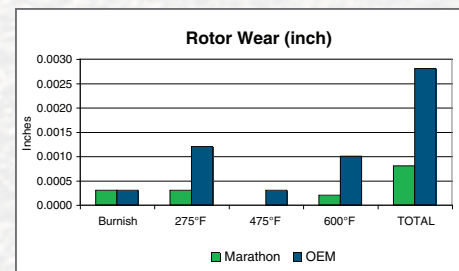
Torque

Torque output is equal to the OEM material.



Pad Wear

Marathon DiscStar disc pad inner pad wear after over 3000 stops, 40% less inner pad wear than the leading OEM.



Rotor Wear

Disc brake rotor wear after 3000 stops. Our DiscStar disc pad exhibits up to 33% less brake rotor wear.





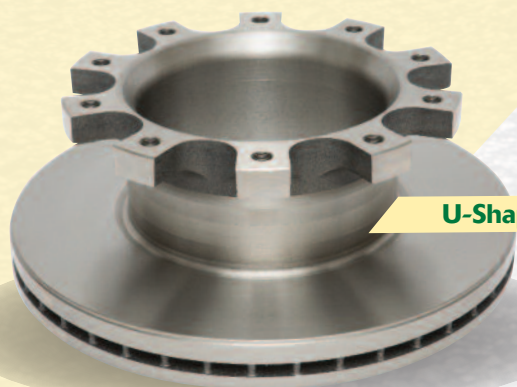
Marathon's air disc rotors are manufactured to OE thickness specifications to resist warping and cracking issues caused by high temperature applications. The rotors feature an optimized venting design and maximized heat sink to further enhance their thermal resistance properties. These rotors are manufactured in an ISO 9000/TS16949 certified plant and are geometrically tested for design, metallurgical composition, hardness and balance. In addition, the rotors undergo a thermal integrity test at high loads. The resulting DiscStar rotor used with a DiscStar pad will provide smooth stopping and a longer service life to lower your maintenance costs.



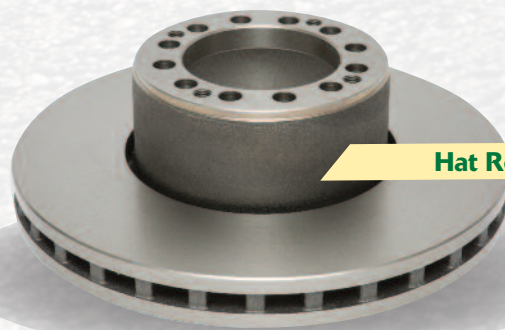
DISCSTAR Rotors Deliver

- Engineered to ECE R90 European standards
- Pillar venting design for faster cooling, less "heat checking" and cracking
- Maximized heat sink
- Excellent resistance to warping and cracking caused by high temperatures
- Manufactured to OE thickness specifications
- Manufactured in ISO 9000/TS16949 certified plant
- Geometrically tested for design, metallurgical composition, hardness and balance
- Tested for thermal integrity at high loads

ROTOR IDENTIFICATION



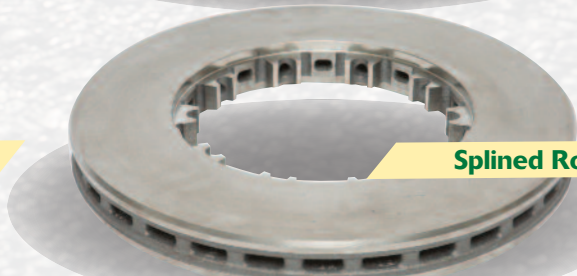
U-Shaped Rotor



Hat Rotor



Flat Rotor



Splined Rotor

Highway/Severe Service Pads & Rotors



Caliper: Bendix ADB22X, ADB22X-LT



Disc Pad D1369



Highway:

Marathon PN: DSHP1369

Cross Reference:

Bendix K070796, K129276, K182235

Severe Service:

Marathon PN: DSTP1369

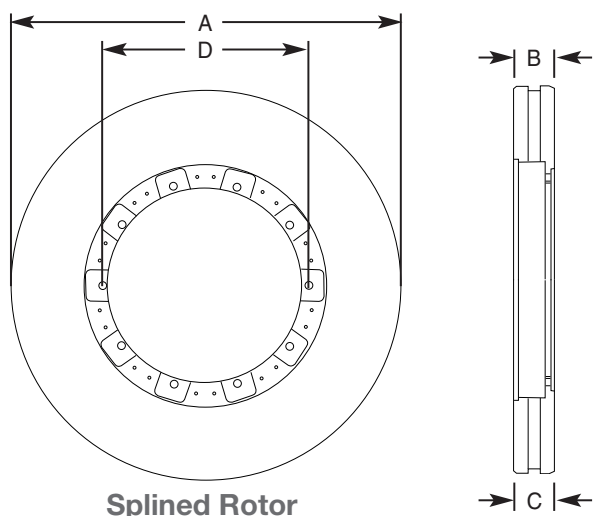
Cross Reference:

Bendix K109113

Note: This caliper can be used in both highway and severe service applications

* Height and width dimensions are of backing plate

Rotor: RH001



Splined Rotor

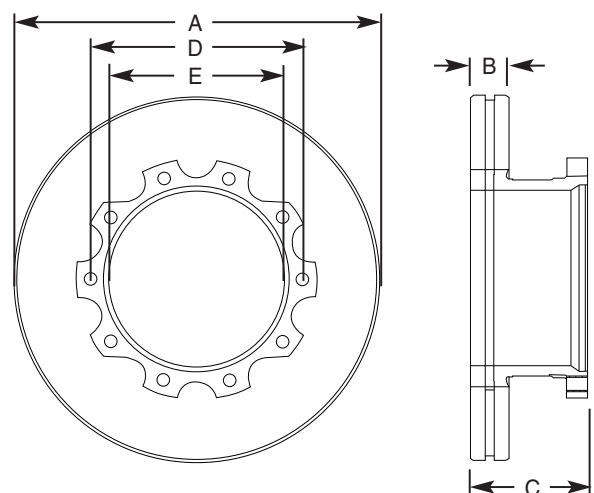
Caliper: Bendix ADB22X, ADB22X-LT

A - DIAMETER	430mm	16.93 in.
B - THICKNESS	45mm	1.77 in.
MIN. THICKNESS	37mm	1.46 in.
C - Height	45mm	1.77 in.
D - BOLT CIRCLE	230mm	9.06 in.
E - PILOT	217	8.54
NUMBER OF BOLT HOLES	10	
BOLT HOLE SIZE	M8.5 x 1.25	
BOLTS INCLUDED	Yes	
WEIGHT	59.52 lbs.	

Note: This rotor features a patented attachment system for easy installation

* Must be installed with a press

Rotor: RH005

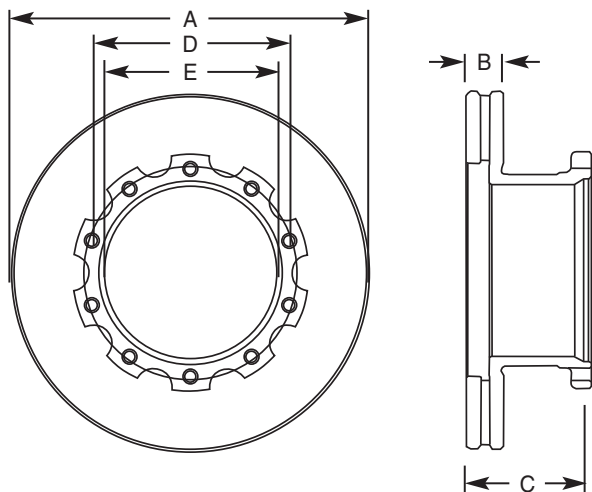


Caliper: Bendix ADB22X, ADB22X-LT

A - DIAMETER	430mm	16.93 in.
B - THICKNESS	45mm	1.77 in.
MIN. THICKNESS	37mm	1.46 in.
C - Height	138.2mm	5.44 in.
D - BOLT CIRCLE	249.5mm	9.82 in.
E - PILOT	220mm	8.66 in.
NUMBER OF BOLT HOLES	10	
BOLT HOLE SIZE	5/8 x 11	
BOLTS INCLUDED	Yes	
WEIGHT	74.08 lbs.	

Caliper: Bendix ADB22X, ADB22X-LT

Rotor: RH006

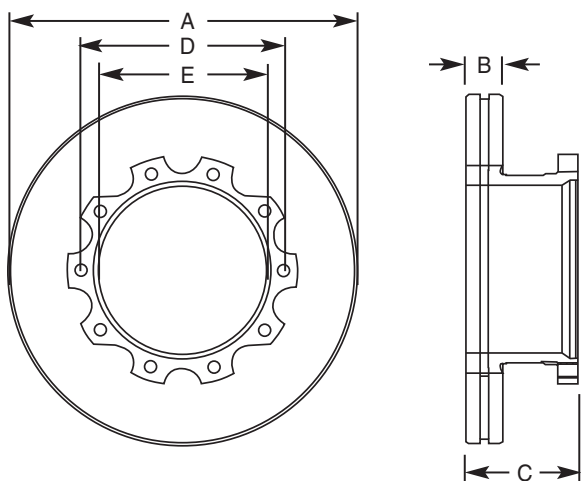


Caliper: Bendix ADB22X, ADB22X-LT

A - DIAMETER	430mm	16.93 in.
B - THICKNESS	45mm	1.77 in.
MIN. THICKNESS	37mm	1.46 in.
C - Height	150mm	5.91 in.
D - BOLT CIRCLE	249.5mm	9.82 in.
E - PILOT	220mm	8.66 in.
NUMBER OF BOLT HOLES	10	
BOLT HOLE SIZE	5/8 x 11	
BOLTS INCLUDED	Yes	
WEIGHT	75.62 lbs.	

Note: Uses bolts with washer-head attached
Do not use for Hendrickson, use RH015

Rotor: RH015



Caliper: Bendix ADB22X, ADB22X-LT

A - DIAMETER	430mm	16.93 in.
B - THICKNESS	45mm	1.77 in.
MIN. THICKNESS	37mm	1.46 in.
C - Height	150mm	5.91 in.
D - BOLT CIRCLE	249.5mm	9.82 in.
E - PILOT	220mm	8.66 in.
NUMBER OF BOLT HOLES	10	
BOLT HOLE SIZE	5/8 x 11	
BOLTS INCLUDED	Yes	
WEIGHT	75.62 lbs.	

Note: For Hendrickson, do not use RH006

Caliper: Haldex, DBT22LT, DB22LT



Disc Pad D1583



Highway:

Marathon PN: DSHP1583

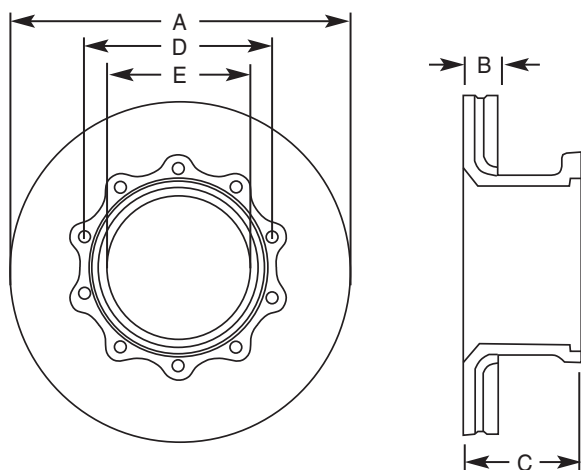
Cross Reference:

Haldex 79022040, Hendrickson S-30560-8

Note: Severe service not applicable

* Height and width dimensions are of backing plate

Rotor: RH007

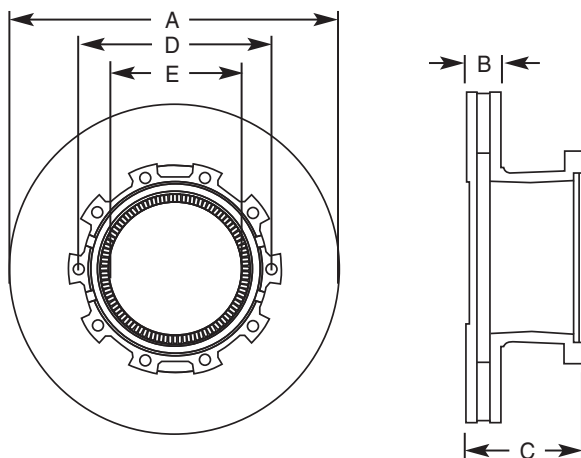


Caliper: Haldex, DBT22LT, DB22LT

A - DIAMETER	430mm	16.93 in.
B - THICKNESS	45mm	1.77 in.
MIN. THICKNESS	37mm	1.46 in.
C - Height	150mm	5.91 in.
D - BOLT CIRCLE	249.5mm	9.82 in.
E - PILOT	220mm	8.66 in.
NUMBER OF BOLT HOLES	10	
BOLT HOLE SIZE	M16 x 2	
BOLTS INCLUDED	No	
WEIGHT	82.45 lbs.	

Note: Removable tone ring mounted flush with braking surface (Hendrickson #S-34172)

Rotor: RH008



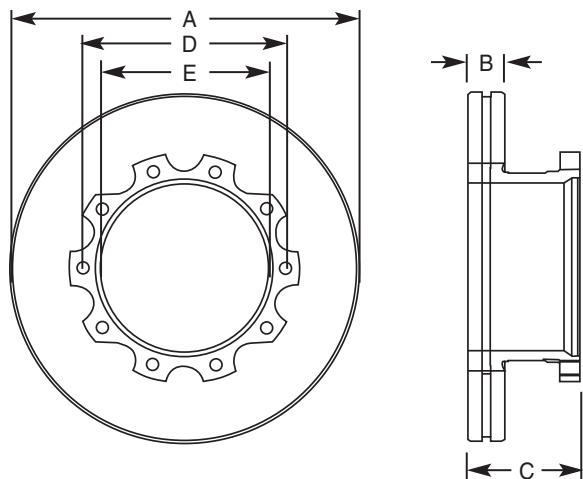
Caliper: Haldex, DBT22LT, DB22LT

A - DIAMETER	430mm	16.93 in.
B - THICKNESS	44.7mm	1.76 in.
MIN. THICKNESS	41.4mm	1.63 in.
C - Height	150mm	5.91 in.
D - BOLT CIRCLE	249.5mm	9.82 in.
E - PILOT	220mm	8.66 in.
NUMBER OF BOLT HOLES	10	
BOLT HOLE SIZE	5/8 x 11	
BOLTS INCLUDED	No	
WEIGHT	76.06 lbs.	



Caliper: Haldex, DBT22LT, DB22LT

Rotor: RH015



Caliper: Haldex, DBT22LT, DB22LT

A - DIAMETER	430mm	16.93 in.
B - THICKNESS	45mm	1.77 in.
MIN. THICKNESS	37mm	1.46 in.
C - Height	150mm	5.91 in.
D - BOLT CIRCLE	249.5mm	9.82 in.
E - PILOT	220mm	8.66 in.
NUMBER OF BOLT HOLES	10	
BOLT HOLE SIZE	5/8 x 11	
BOLTS INCLUDED	Yes	
WEIGHT	75.62 lbs.	

Note: For Hendrickson, uses bolts with separate washers

Caliper: Meritor ELSA 225-3

Disc Pad D1708

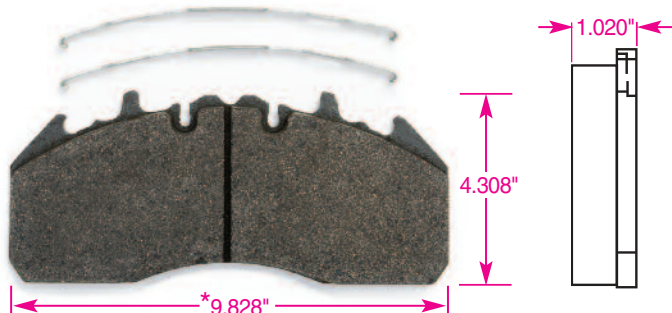


Severe Service:

Marathon PN: DSTP1708

Cross Reference:

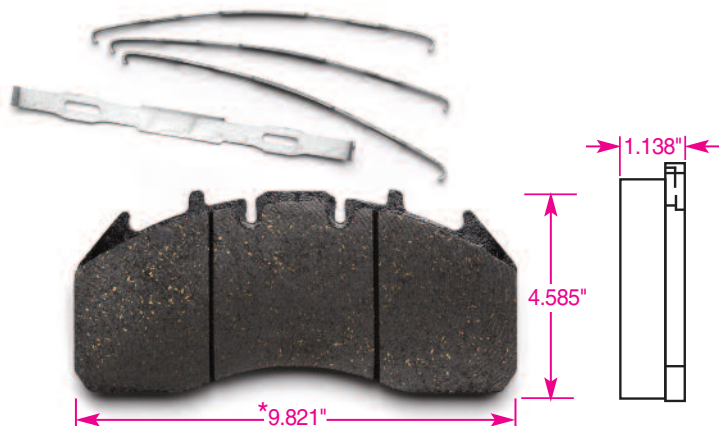
Meritor 2252HBMA703



Caliper: Meritor EX225H2



Disc Pad D1311



Highway:

Marathon PN: **DSHP1311**

Cross Reference:

Meritor KIT2252H2CD, MMD1311AF

Severe Service:

Marathon PN: **DSTP1311**

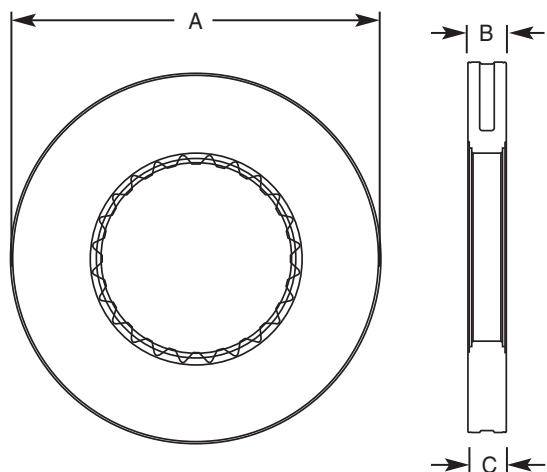
Cross Reference:

Meritor KIT2252H2BA, KIT2252H2DA, KIT2252H2CE

Note: This caliper can be used in both highway and severe service applications

* Height and width dimensions are of backing plate

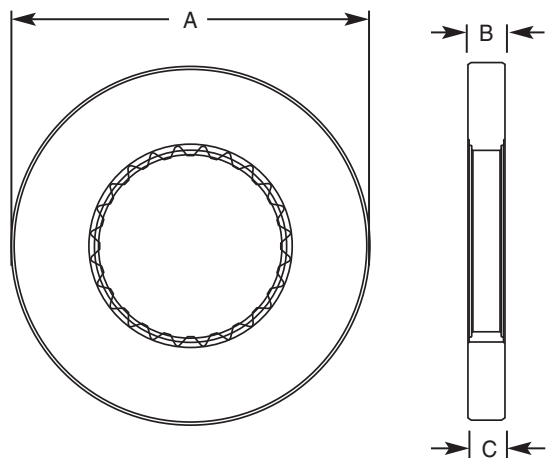
Rotor: RH011



Caliper: Meritor EX225H2

A - DIAMETER	434mm	17.09 in.
B - THICKNESS	45mm	1.77 in.
MIN. THICKNESS	41mm	1.61 in.
C - Height	45mm	1.77 in.
D - BOLT CIRCLE	na	
E - PILOT	na	
NUMBER OF BOLT HOLES	na	
BOLT HOLE SIZE	na	
BOLTS INCLUDED	na	
WEIGHT	57.32 lbs.	

Rotor: RH012



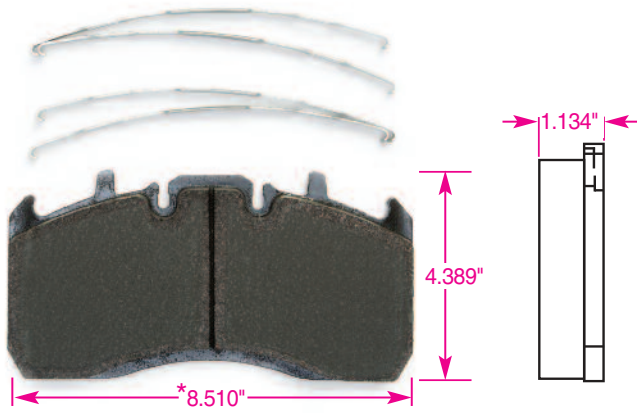
Caliper: Meritor EX225H2

A - DIAMETER	434mm	17.09 in.
B - THICKNESS	45mm	1.77 in.
MIN. THICKNESS	40mm	1.57 in.
C - Height	45mm	1.77 in.
D - BOLT CIRCLE	na	
E - PILOT	na	
NUMBER OF BOLT HOLES	na	
BOLT HOLE SIZE	na	
BOLTS INCLUDED	na	
WEIGHT	76.28 lbs.	



Caliper: Meritor EX225L2

Disc Pad D1370



Highway:

Marathon PN: **DSHP1370**

Cross Reference:

Meritor KIT2252L2CD, MMD1370AF

Severe Service:

Marathon PN: **DSTP1370**

Cross Reference:

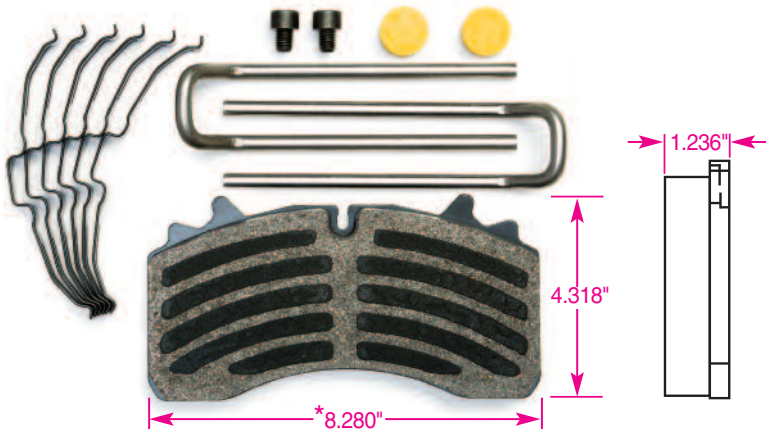
Meritor KIT2252L2DA

Note: Severe service not applicable

* Height and width dimensions are of backing plate

Caliper: WABCO MAXX22T

Disc Pad D1777



Highway:

Marathon PN: **DSHP1777MAX**

Cross Reference:

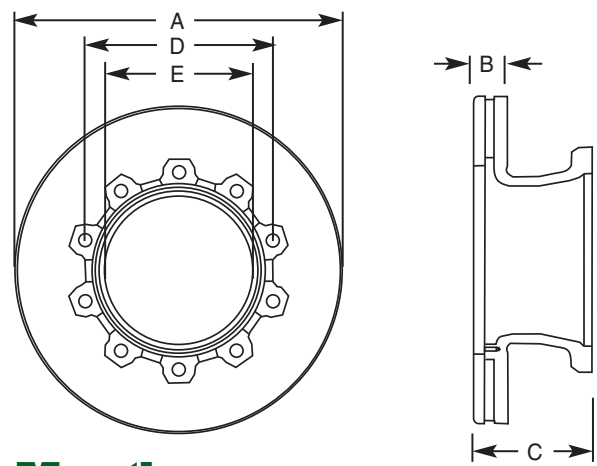
WABCO 640 222 927 2,

Hendrickson S-35303-1

Note: Severe service not applicable

* Height and width dimensions are of backing plate

Rotor: RH013



Caliper: WABCO MAXX22T

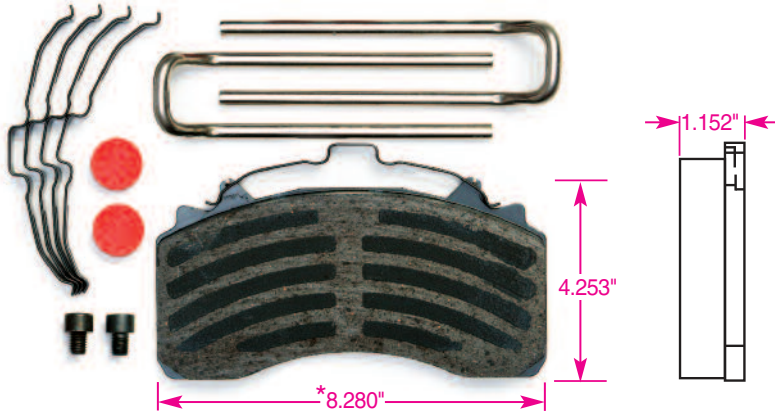
A - DIAMETER	415mm	16.34 in.
B - THICKNESS	43mm	1.69 in.
MIN. THICKNESS	37mm	1.46 in.
C - Height	150mm	5.91 in.
D - BOLT CIRCLE	250mm	9.84 in.
E - PILOT	219.8mm	8.65 in.
NUMBER OF BOLT HOLES	10	
BOLT HOLE SIZE	M16 x 2	
BOLTS INCLUDED	Yes	
WEIGHT	70.55 lbs.	



Caliper: WABCO MAXXUS



Disc Pad D2061



Highway:

Marathon PN: DSHP2061

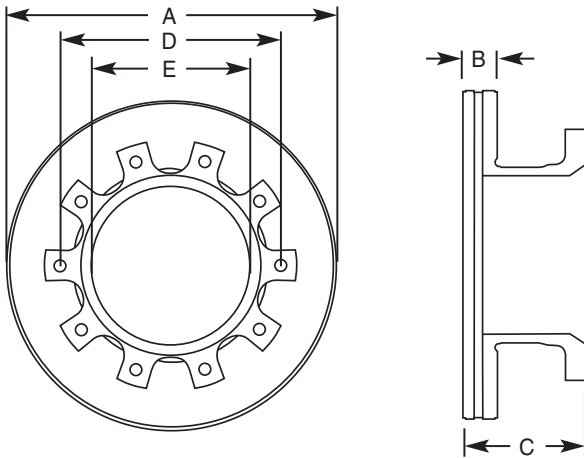
Cross Reference:

WABCO 640 322 934 2

Note: Severe service not applicable

* Height and width dimensions are of backing plate

Rotor: RH003



Caliper: WABCO MAXXUS

A - DIAMETER	430mm	16.93 in.
B - THICKNESS	45mm	1.77 in.
MIN. THICKNESS	37mm	1.46 in.
C - Height	160mm	6.3 in.
D - BOLT CIRCLE	285.75mm	11.25 in.
E - PILOT	207mm	8.15 in.
NUMBER OF BOLT HOLES	10	
BOLT HOLE SIZES	M16 x 1.5	
BOLTS INCLUDED	Yes	
WEIGHT	81.57 lbs.	

Caliper: WABCO PAN17

Disc Pad D1518



Highway:

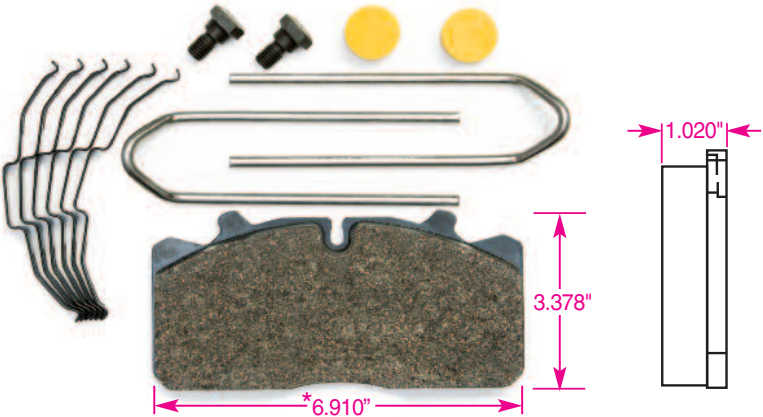
Marathon PN: DSHP1518

Cross Reference:

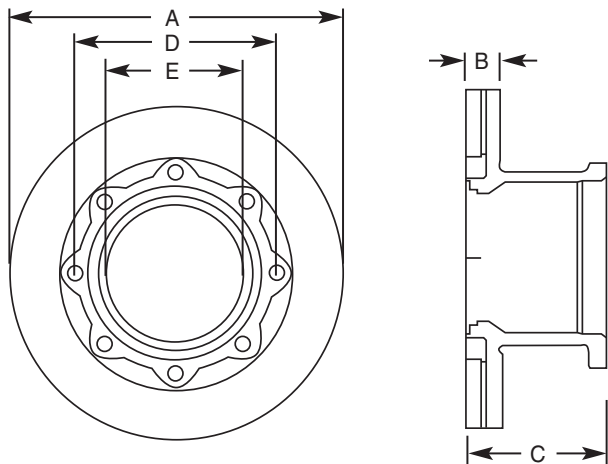
WABCO 12999703VT, Meritor 12999806

Note: Severe service not applicable

* Height and width dimensions are of backing plate



Rotor: RH010

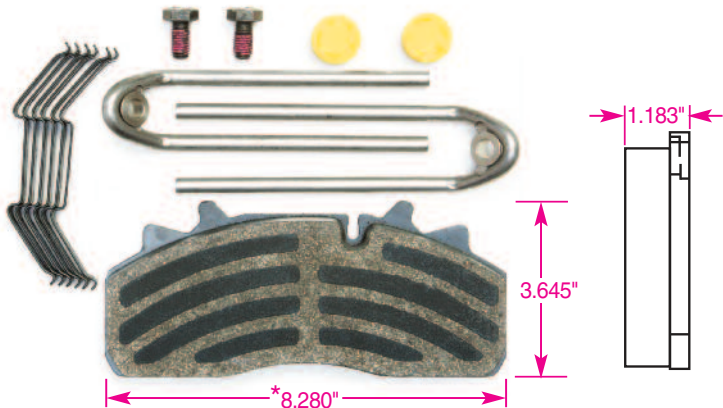


Caliper: WABCO PAN17

A - DIAMETER	325mm	12.8 in.
B - THICKNESS	34mm	1.34 in.
MIN. THICKNESS	28.3mm	1.11 in.
C - Height	148.5mm	5.85 in.
D - BOLT CIRCLE	196mm	7.72 in.
E - PILOT	173mm	6.81 in.
NUMBER OF BOLT HOLES	8	
BOLT HOLE SIZE	M14 x 2	
BOLTS INCLUDED	Yes	
WEIGHT	40.12 lbs.	

Caliper: WABCO PAN19

Disc Pad D1438



Highway:

Marathon PN: DSHP1438

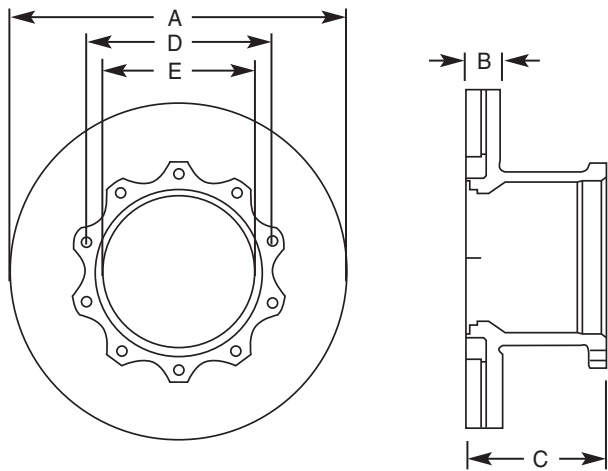
Cross Reference:

WABCO 12999737VT

Note: Severe service not applicable

* Height and width dimensions are of backing plate

Rotor: RH002



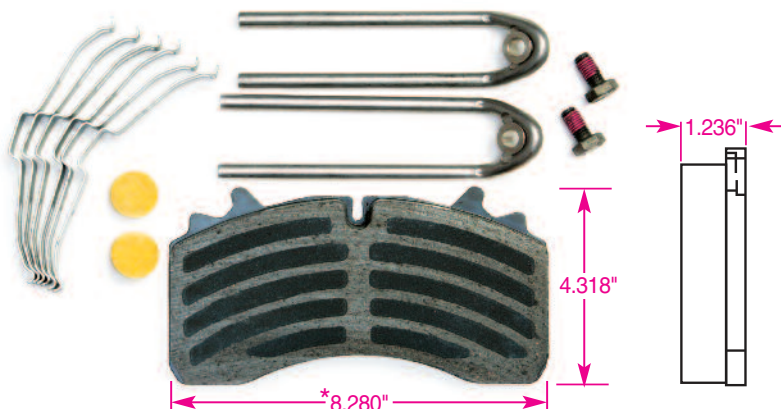
Caliper: WABCO PAN19

A - DIAMETER	377.5mm	14.86 in.
B - THICKNESS	45mm	1.77 in.
MIN. THICKNESS	39mm	1.54 in.
C - Height	150mm	5.91 in.
D - BOLT CIRCLE	249.5mm	9.82 in.
E - PILOT	220mm	8.66 in.
NUMBER OF BOLT HOLES	10	
BOLT HOLE SIZE	M16 x 2	
BOLTS INCLUDED	Yes	
WEIGHT	59.08 lbs.	

Caliper: WABCO PAN22



Disc Pad D1777



Highway:

Marathon PN: **DSHP1777PAN**

Cross Reference:

WABCO 640 225 922 2, Hendrickson S-32676-1, Meritor 1299796

Severe Service:

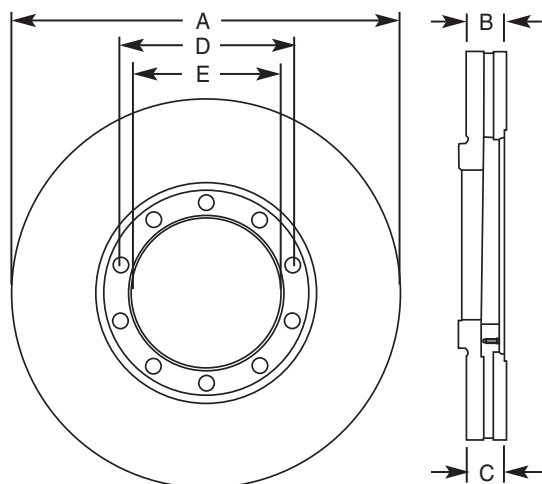
Marathon PN: **DSTP1777PAN**

Note: This caliper can be used in both highway and severe service applications

* Height and width dimensions are of backing plate

Caliper: WABCO PAN22

Rotor: RH004

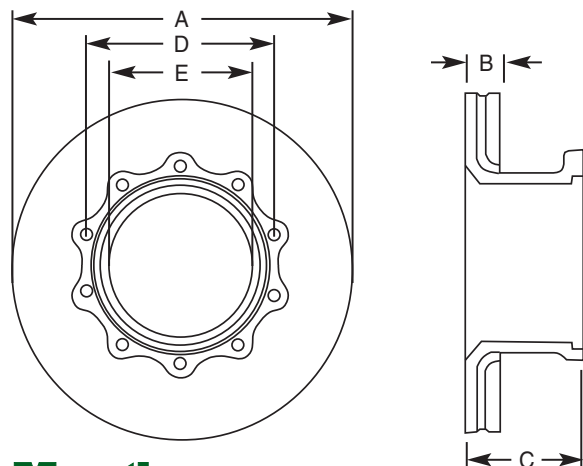


Caliper: WABCO PAN22

A - DIAMETER	430mm	16.93 in.
B - THICKNESS	45mm	1.77 in.
MIN. THICKNESS	39mm	1.54 in.
C - Height	53mm	2.09 in.
D - BOLT CIRCLE	200mm	7.87 in.
E - PILOT	166.5mm	6.56 in.
NUMBER OF BOLT HOLES	10	
BOLT HOLE SIZE	16.5mm	
BOLTS INCLUDED	No	
WEIGHT	69.66 lbs.	

Note: Removable tone ring attached by screws

Rotor: RH007



Caliper: WABCO PAN22

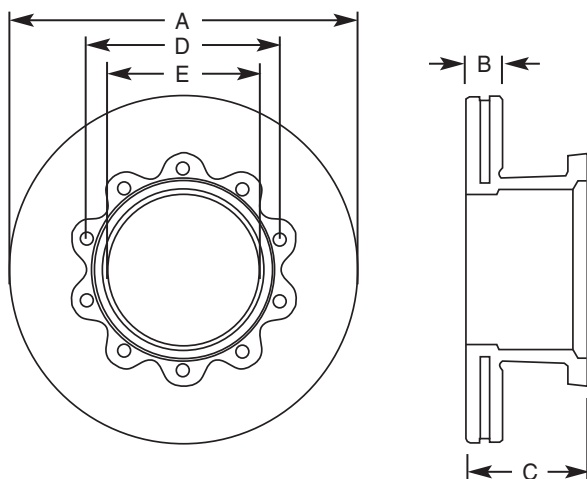
A - DIAMETER	430mm	16.93 in.
B - THICKNESS	45mm	1.77 in.
MIN. THICKNESS	37mm	1.46 in.
C - Height	150mm	5.91 in.
D - BOLT CIRCLE	249.5mm	9.82 in.
E - PILOT	220mm	8.66 in.
NUMBER OF BOLT HOLES	10	
BOLT HOLE SIZE	M16 x 2	
BOLTS INCLUDED	No	
WEIGHT	82.45 lbs.	

Note: Removable tone ring mounted flush with braking surface (Hendrickson #S-34172)



Caliper: WABCO PAN22

Rotor: RH009

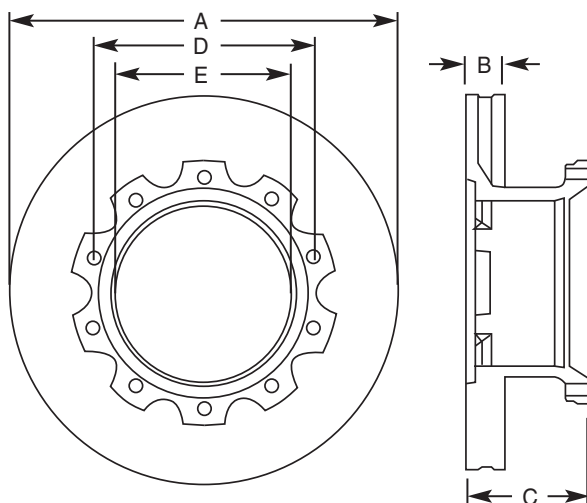


Caliper: WABCO PAN22

A - DIAMETER	430mm	16.93 in.
B - THICKNESS	45mm	1.77 in.
MIN. THICKNESS	37mm	1.46 in.
C - Height	150mm	5.91 in.
D - BOLT CIRCLE	249.50mm	9.82 in.
E - PILOT	219.8mm	8.65 in.
NUMBER OF BOLT HOLES	10	
BOLT HOLE SIZE	M16 x 2	
BOLTS INCLUDED	No	
WEIGHT	82.45 lbs.	

Note: Tone ring cast into rotor flush with braking surface
(Ridewell #1660363)

Rotor: RH014



Caliper: WABCO PAN22

A - DIAMETER	430mm	16.93 in.
B - THICKNESS	45mm	1.77 in.
MIN. THICKNESS	37mm	1.46 in.
C - Height	150.1mm	5.91 in.
D - BOLT CIRCLE	249.5mm	9.82 in.
E - PILOT	220mm	8.66 in.
NUMBER OF BOLT HOLES	10	
BOLT HOLE SIZE	M16 x 2	
BOLTS INCLUDED	Yes	
WEIGHT	76.72 lbs.	

Note: Tone ring inset below braking surface
(IMT #70007)

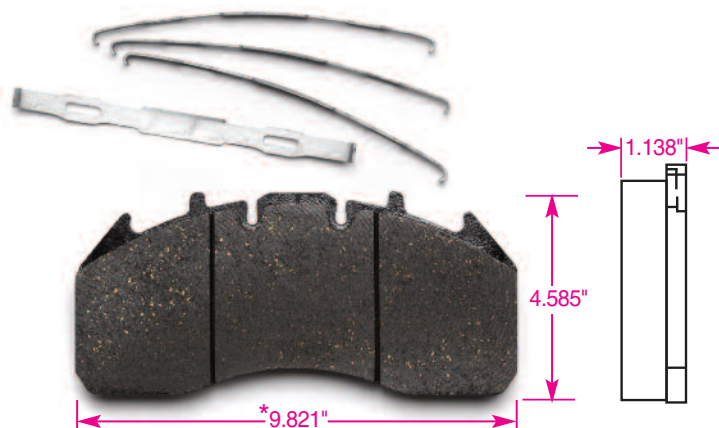
Transit Pads & Rotors



Caliper: Knorr SB7, SN7



Disc Pad D1203



Transit:

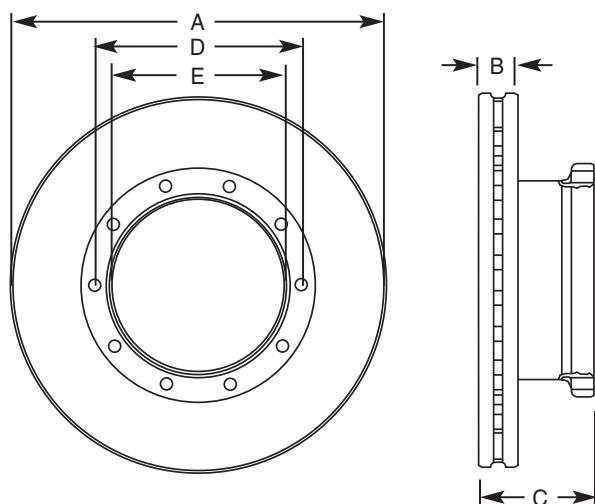
Marathon PN: **DSTP1203**

Cross Reference:

Knorr K059965K50, MAN81.50820-6070,
New Flyer 6447341

* Height and width dimensions are of backing plate

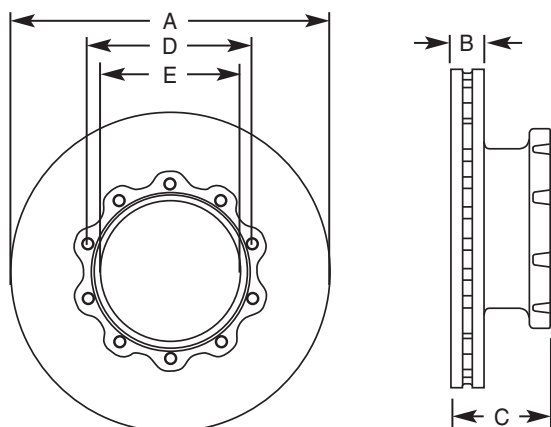
Rotor: RB055



Caliper: Knorr SB7, SN7

A - DIAMETER	430mm	16.93 in.
B - THICKNESS	45mm	1.77 in.
MIN. THICKNESS	37mm	1.46 in.
C - Height	131mm	5.16 in.
D - BOLT CIRCLE	235mm	9.25 in.
E - PILOT	203mm	7.99
NUMBER OF BOLT HOLES	10	
BOLT HOLE SIZE	M16 x 1.5	
BOLTS INCLUDED	No	
WEIGHT	74.96 lbs.	

Rotor: RB057

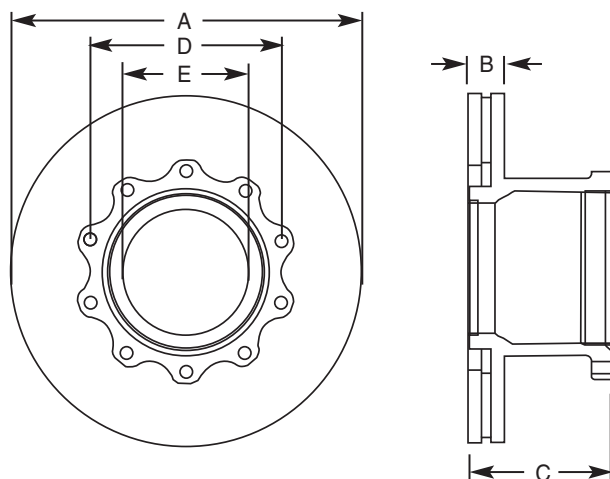


Caliper: Knorr SB7, SN7

A - DIAMETER	432mm	17.01 in.
B - THICKNESS	45mm	1.77 in.
MIN. THICKNESS	37mm	1.46 in.
C - Height	135mm	5.31 in.
D - BOLT CIRCLE	235mm	9.25 in.
E - PILOT	208mm	8.19 in.
NUMBER OF BOLT HOLES	10	
BOLT HOLE SIZE	M16 x 1.5	
BOLTS INCLUDED	No	
WEIGHT	81.57 lbs.	

Caliper: Knorr SB7, SN7

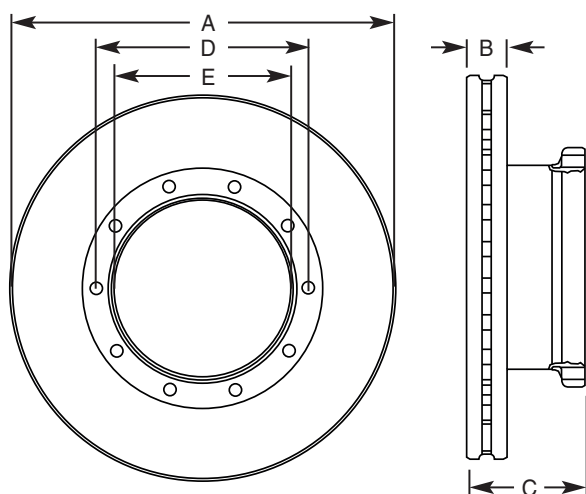
Rotor: RB058



Caliper: Knorr SB7, SN7

A - DIAMETER	430mm	16.93 in.
B - THICKNESS	45mm	1.77 in.
MIN. THICKNESS	37mm	1.46 in.
C - Height	179.7mm	7.07 in.
D - BOLT CIRCLE	250mm	9.84 in.
E - PILOT	194mm	7.64 in.
NUMBER OF BOLT HOLES	10	
BOLT HOLE SIZE	5/8 x 18	
BOLTS INCLUDED	No	
WEIGHT	99.21 lbs.	

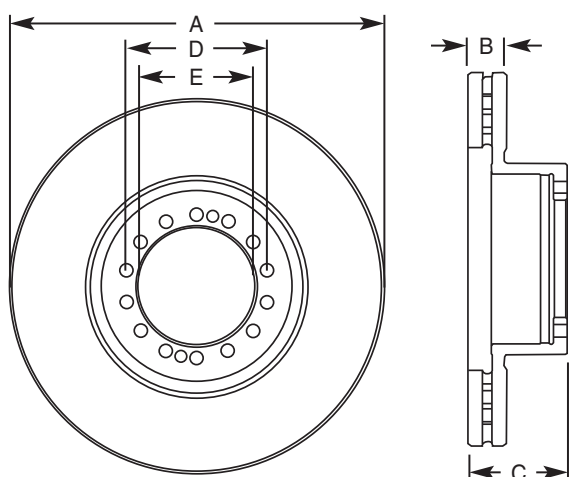
Rotor: RB059



Caliper: Knorr SB7, SN7

A - DIAMETER	430mm	16.93 in.
B - THICKNESS	45mm	1.77 in.
MIN. THICKNESS	37mm	1.46 in.
C - Height	136mm	5.35 in.
D - BOLT CIRCLE	220mm	8.66 in.
E - PILOT	194mm	7.64 in.
NUMBER OF BOLT HOLES	10	
BOLT HOLE SIZE	M16 x 1.5	
BOLTS INCLUDED	No	
WEIGHT	81.57 lbs.	

Rotor: RB060

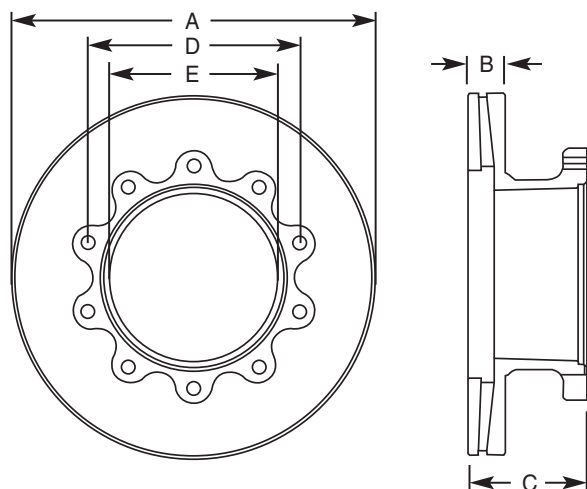


Caliper: Knorr SB7, SN7

A - DIAMETER	430mm	16.93 in.
B - THICKNESS	45mm	1.77 in.
MIN. THICKNESS	37mm	1.46 in.
C - Height	114.7mm	4.52 in.
D - BOLT CIRCLE	165mm	6.5 in.
E - PILOT	135mm	5.31 in.
NUMBER OF BOLT HOLES	14	2
BOLT HOLE SIZES	15mm	M14 x 1.5
BOLTS INCLUDED	No	
WEIGHT	78.26 lbs.	

Caliper: Knorr SB7, SN7

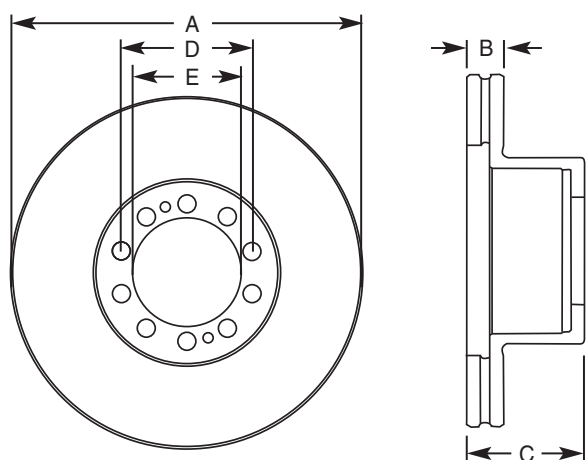
Rotor: RB062



Caliper: Knorr SB7, SN7

A - DIAMETER	430mm	16.93 in.
B - THICKNESS	45mm	1.77 in.
MIN. THICKNESS	37mm	1.46 in.
C - Height	132.5mm	5.22 in.
D - BOLT CIRCLE	238mm	9.37 in.
E - PILOT	211mm	8.31 in.
NUMBER OF BOLT HOLES	10	
BOLT HOLE SIZE	M14 x 1.5	
BOLTS INCLUDED	No	
WEIGHT	75.84 lbs.	

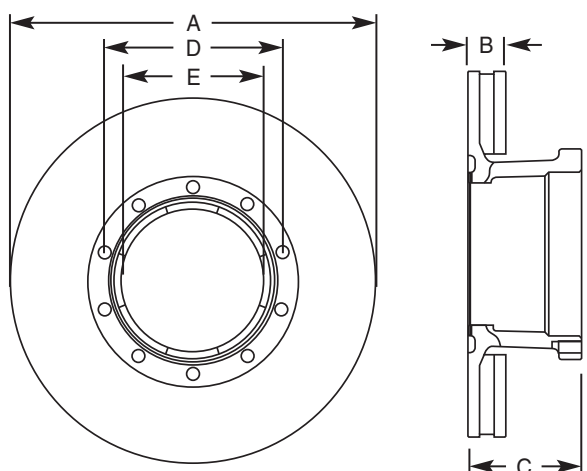
Rotor: RB063



Caliper: Knorr SB7, SN7

A - DIAMETER	430mm	16.93 in.
B - THICKNESS	45mm	1.77 in.
MIN. THICKNESS	37mm	1.46 in.
C - Height	144mm	5.67 in.
D - BOLT CIRCLE	170mm	6.69 in.
E - PILOT	131mm	5.16 in.
NUMBER OF BOLT HOLES	10	2
BOLT HOLE SIZES	21mm	M12 x 1.5
BOLTS INCLUDED	No	
WEIGHT	75.84 lbs.	

Rotor: RB064

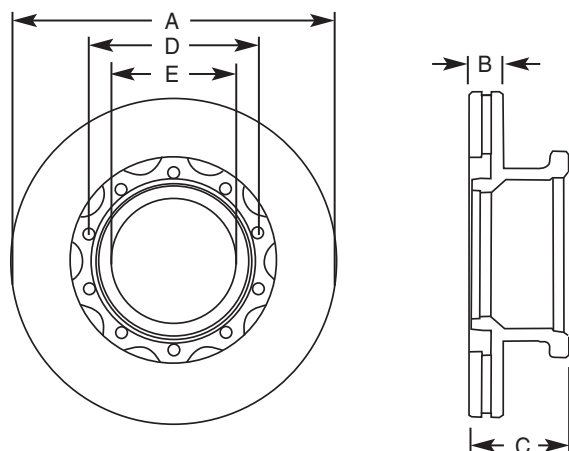


Caliper: Knorr SB7, SN7

A - DIAMETER	434mm	17.09 in.
B - THICKNESS	45mm	1.77 in.
MIN. THICKNESS	37mm	1.46 in.
C - Height	135mm	5.31 in.
D - BOLT CIRCLE	220mm	8.66 in.
E - PILOT	194mm	7.64 in.
NUMBER OF BOLT HOLES	10	
BOLT HOLE SIZE	M16 x 1.5	
BOLTS INCLUDED	No	
WEIGHT	85.98 lbs.	

Caliper: Knorr SB7, SN7

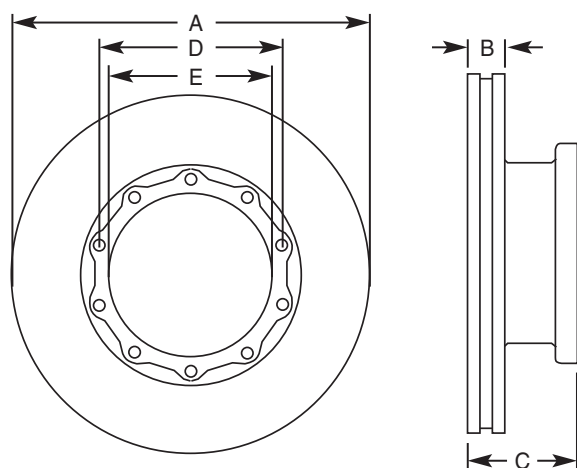
Rotor: RB066



Caliper: Knorr SB7, SN7

A - DIAMETER	430mm	16.93 in.
B - THICKNESS	45mm	1.77 in.
MIN. THICKNESS	37mm	1.46 in.
C - Height	131mm	5.16 in.
D - BOLT CIRCLE	235mm	9.25 in.
E - PILOT	203mm	7.99 in.
NUMBER OF BOLT HOLES	10	
BOLT HOLE SIZE	M16 x 1.5	
BOLTS INCLUDED	No	
WEIGHT	80.47 lbs.	

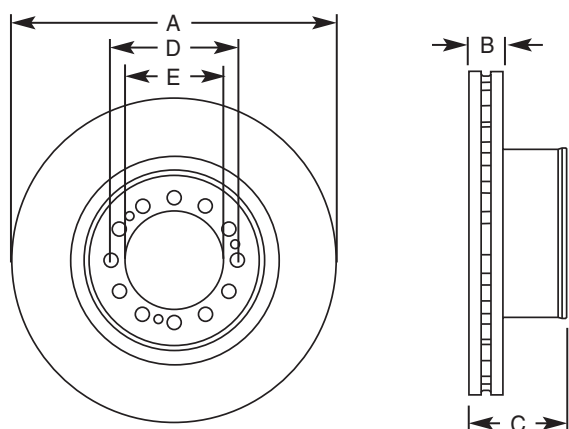
Rotor: RB067



Caliper: Knorr SB7, SN7

A - DIAMETER	438mm	17.24 in.
B - THICKNESS	45mm	1.77 in.
MIN. THICKNESS	37mm	1.46 in.
C - Height	135mm	5.31 in.
D - BOLT CIRCLE	235mm	9.25 in.
E - PILOT	200mm	7.87 in.
NUMBER OF BOLT HOLES	10	
BOLT HOLE SIZE	M16 x 1.5	
BOLTS INCLUDED	No	
WEIGHT	79.37 lbs.	

Rotor: RB068

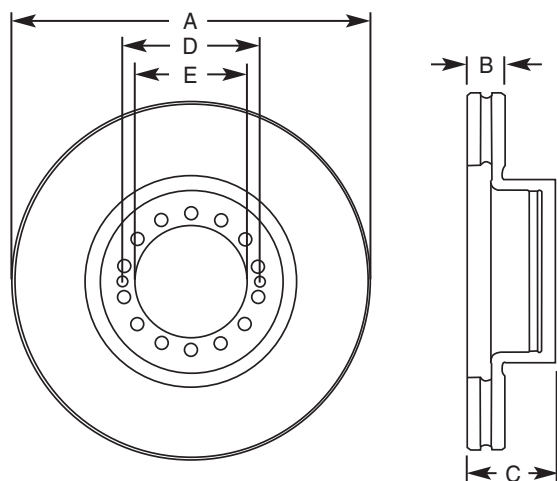


Caliper: Knorr SB7, SN7

A - DIAMETER	432mm	17.01 in.
B - THICKNESS	45mm	1.77 in.
MIN. THICKNESS	37mm	1.46 in.
C - Height	130mm	5.12 in.
D - BOLT CIRCLE	168mm	6.61 in.
E - PILOT	131mm	5.16 in.
NUMBER OF BOLT HOLES	12	3
BOLT HOLE SIZES	19mm	M12 x 1.5
BOLTS INCLUDED	No	
WEIGHT	79.37 lbs.	

Caliper: Knorr SB7, SN7

Rotor: RB051

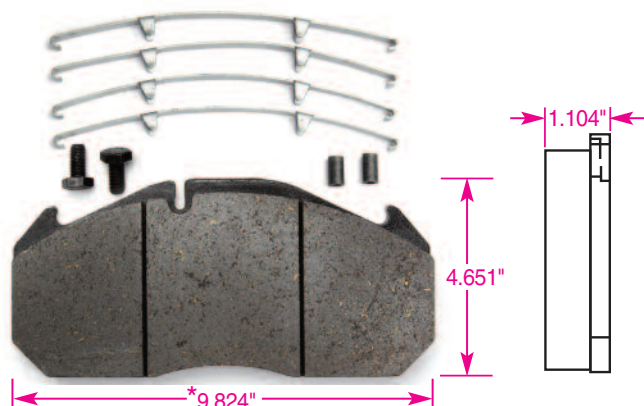


Caliper: Knorr SB7, SN7

A - DIAMETER	430mm	16.93 in.
B - THICKNESS	45mm	1.77 in.
MIN. THICKNESS	37mm	1.46 in.
C - Height	105mm	4.13 in.
D - BOLT CIRCLE	165mm	6.5 in.
E - PILOT	135mm	5.31 in.
NUMBER OF BOLT HOLES	14	2
BOLT HOLE SIZES	14.75mm	M14 x 1.5
BOLTS INCLUDED	No	
WEIGHT	67.24 lbs.	

Caliper: Meritor D-ELSA

Disc Pad D1407



Transit:

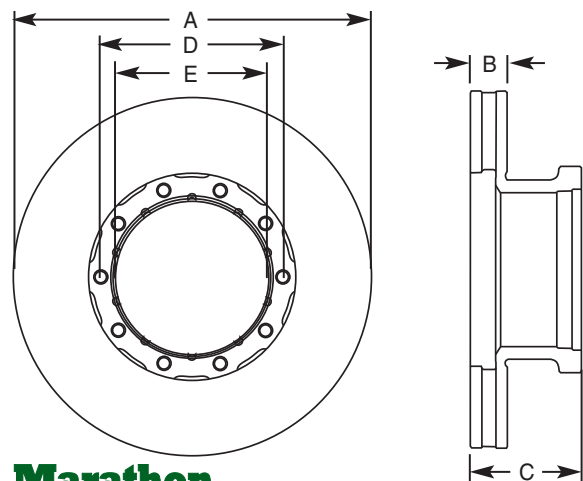
Marathon PN: DSTP1407

Cross Reference:

Meritor MDP5110, MMD1407AF

* Height and width dimensions are of backing plate

Rotor: RB061



Caliper: Meritor D-ELSA

A - DIAMETER	432mm	17.01 in.
B - THICKNESS	45mm	1.77 in.
MIN. THICKNESS	37mm	1.46 in.
C - Height	135mm	5.31 in.
D - BOLT CIRCLE	220mm	8.66 in.
E - PILOT	194mm	7.64 in.
NUMBER OF BOLT HOLES	10	
BOLT HOLE SIZES	M16 x 1.5	
BOLTS INCLUDED	No	
WEIGHT	70.55 lbs.	



Caliper: Meritor D-ELSA-2

Disc Pad D1310

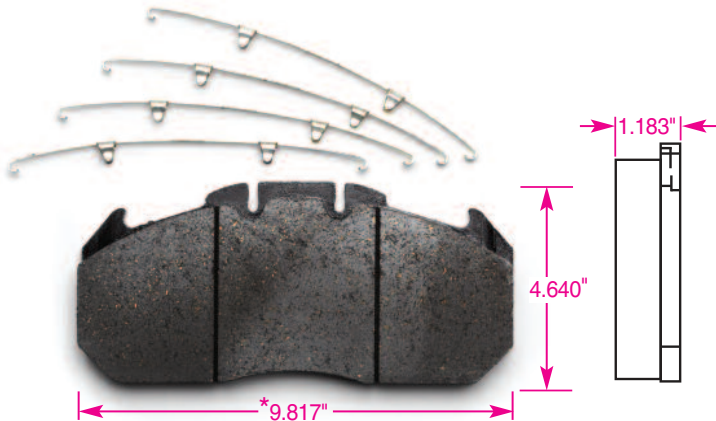


Transit:

Marathon PN: DSTP1310

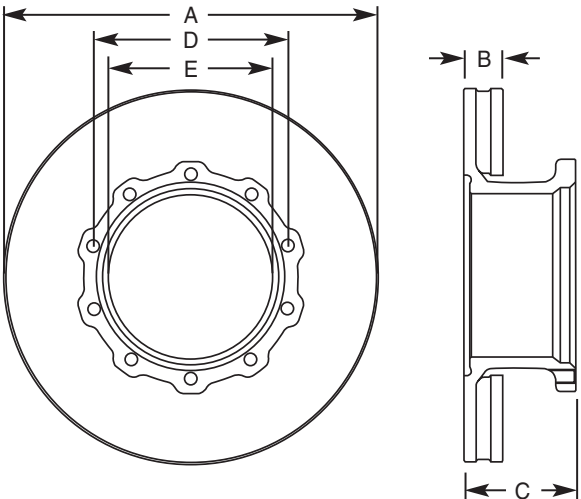
Cross Reference:

Meritor MDP5060



* Height and width dimensions are of backing plate

Rotor: RB065



Caliper: Merritor D-ELSA-2

A - DIAMETER	434mm	17.09 in.
B - THICKNESS	45mm	1.77 in.
MIN. THICKNESS	39mm	1.54 in.
C - Height	130mm	5.12 in.
D - BOLT CIRCLE	235mm	9.25 in.
E - PILOT	203mm	7.99 in.
NUMBER OF BOLT HOLES	10	
BOLT HOLE SIZE	M16 x 1.5	
BOLTS INCLUDED	No	
WEIGHT	80.47 lbs.	

Caliper: Meritor D-LISA

Disc Pad D1312



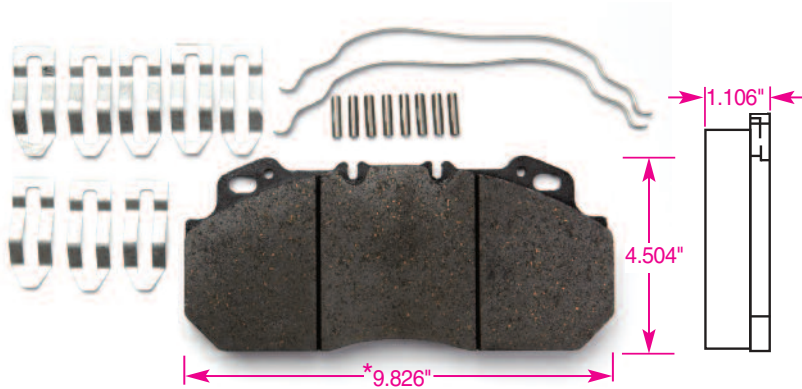
Transit:

Marathon PN: **DSTP1312**

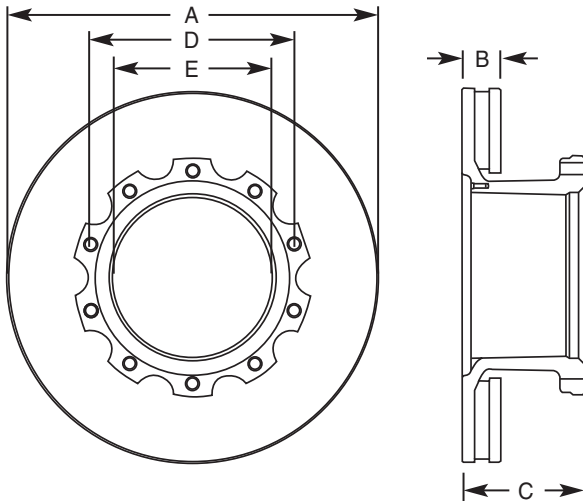
Cross Reference:

Meritor 68932068NZP

* Height and width dimensions are of backing plate



Rotor: RB052



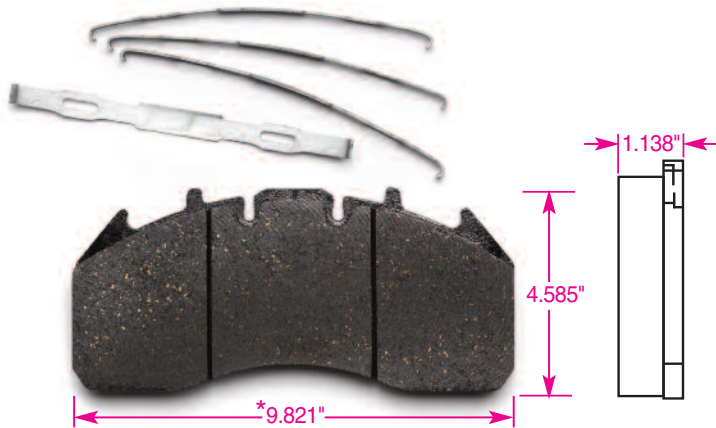
Caliper: Meritor D-LISA

A - DIAMETER	438mm	17.24 in.
B - THICKNESS	44.5mm	1.75 in.
MIN. THICKNESS	41mm	1.61 in.
C - Height	143.3mm	5.64 in.
D - BOLT CIRCLE	249.5mm	9.82 in.
E - PILOT	194mm	7.64 in.
NUMBER OF BOLT HOLES	10	
BOLT HOLE SIZE	5/8 x 18	
BOLTS INCLUDED	No	
WEIGHT	85.54 lbs.	

Caliper: Meritor EX225H2 Coach



Disc Pad D1311



Transit:

Marathon PN: **DSTP1311**

Cross Reference:

Meritor KIT2252H2BA, KIT2252H2DA, KIT2252H2CE

Coach:

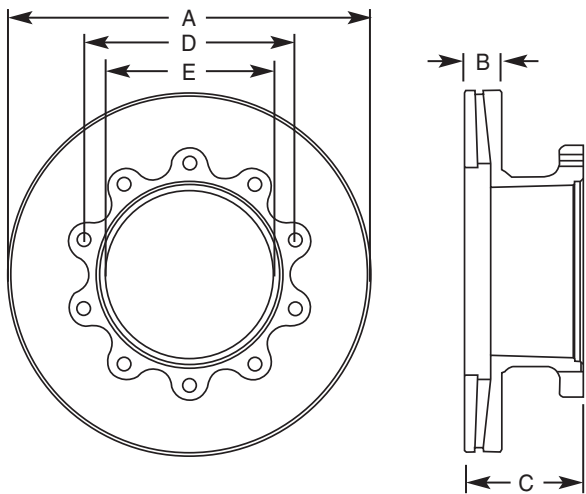
Marathon PN: **DSHP1311**

Cross Reference:

Meritor KIT2252H2CD, MMD1311AF

* Height and width dimensions are of backing plate

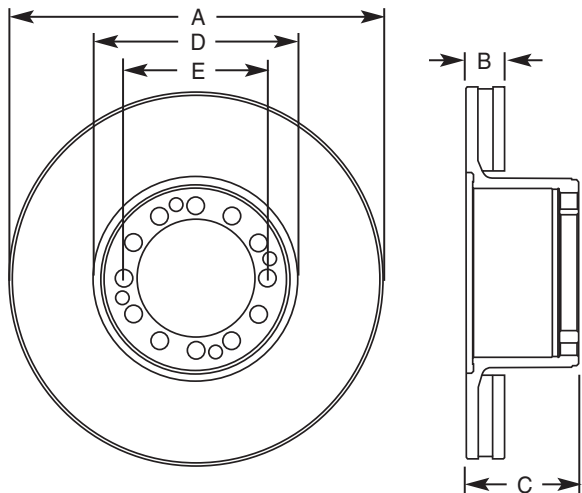
Rotor: RB053



Caliper: Meritor EX225H2

A - DIAMETER	434mm	17.09 in.
B - THICKNESS	45mm	1.77 in.
MIN. THICKNESS	37mm	1.46 in.
C - Height	143.3mm	5.64 in.
D - BOLT CIRCLE	266.7mm	10.5 in.
E - PILOT	215.9mm	8.5
NUMBER OF BOLT HOLES	10	
BOLT HOLE SIZE	5/8 x 18	
BOLTS INCLUDED	No	
WEIGHT	81.79 lbs.	

Rotor: RB054



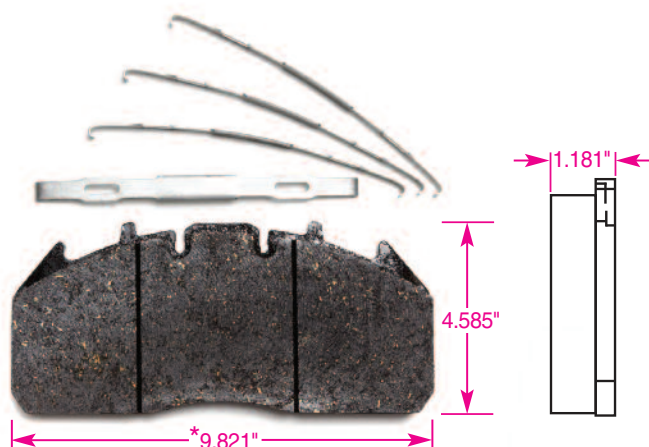
Caliper: Meritor EX225H2

A - DIAMETER	434mm	17.09 in.
B - THICKNESS	44.9mm	1.77 in.
MIN. THICKNESS	37mm	1.46 in.
C - Height	131.7mm	5.19 in.
D - BOLT CIRCLE	167.9mm	6.61 in.
E - PILOT	135mm	5.31 in.
NUMBER OF BOLT HOLES	12	4
BOLT HOLE SIZES	19mm	M16 x 2
BOLTS INCLUDED	No	
WEIGHT	77.82 lbs.	

Caliper: Meritor EX225H3



Disc Pad D1323



Transit:

Marathon PN: **DSTP1323**

Cross Reference:

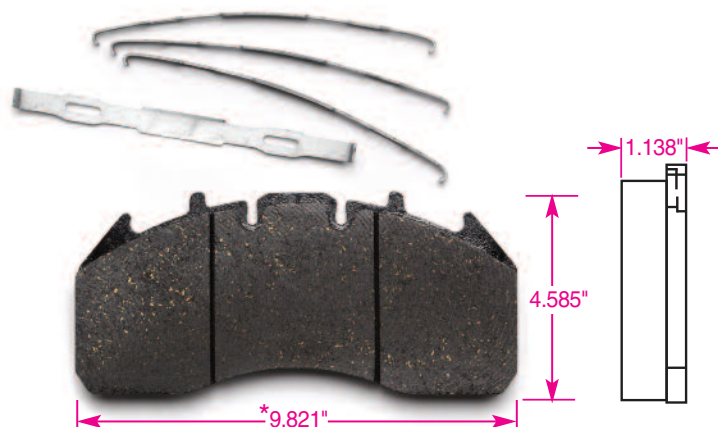
Meritor KIT2252H3CE, Meritor
KIT2252H3BE, MMD1323AF

Note: Similar to DSTP/DHSP1311 but inside radius is smaller

* Height and width dimensions are of backing plate

Note: Most fleets now use D1311 instead of D1323

Disc Pad D1311



Transit:

Marathon PN: **DSTP1311**

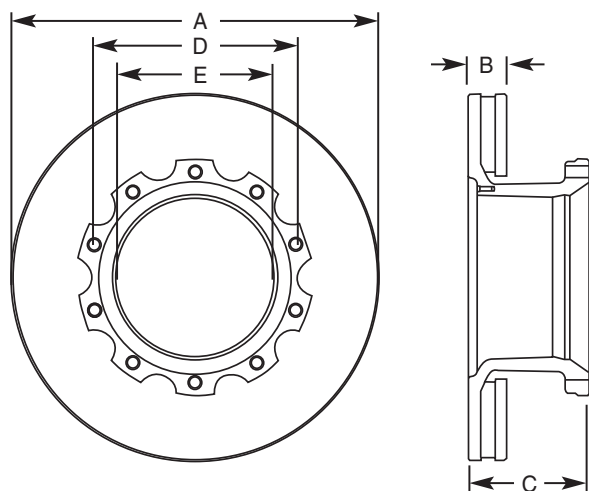
Cross Reference:

Meritor KIT2252H2BA, KIT2252H2DA,
KIT2252H2CE

* Height and width dimensions are of backing plate

Note: Most fleets now use D1311 instead of D1323

Rotor: RB056



Caliper: Meritor EX225H3

A - DIAMETER	433.5mm	17.07 in.
B - THICKNESS	45mm	1.77 in.
MIN. THICKNESS	37mm	1.46 in.
C - HEIGHT	143.35mm	5.64 in.
D - BOLT CIRCLE	249.2mm	9.81 in.
E - PILOT	194mm	7.64 in.
NUMBER OF BOLT HOLES	10	
BOLT HOLE SIZE	M16 x 2	
BOLTS INCLUDED	No	
WEIGHT	77.6 lbs.	



Rotor Cross Reference

Part Number	Manufacturer	Marathon Part Number	Page	Part Number	Manufacturer	Marathon Part Number	Page
56020	Setra	RB057.....	21	621672	Prevost	RB058.....	22
56641	Durabrake	RB054.....	28	802081	Bendix	RH005	9
56642	Durabrake	RB053.....	28	802082	Bendix	RH006	10
71601	Durabrake	RH002	17	802083	Bendix	RH001	9
75180	Durabrake	RH010	16	802569	Bendix	RH001	9
76603	Durabrake	RB059.....	22	802669	Bendix	RB060.....	22
76604	Durabrake	RB058.....	22	2317240	MCI	RB055.....	21
76605	Durabrake	RB067.....	24	3092710	Volvo	RH012	13
76606	Durabrake	RB056.....	29	3988838	Volvo	RH012	13
76607	Durabrake	RB062.....	23	6316229	NABI	RB056.....	29
76608	Durabrake	RB065.....	26	6316229	New Flyer	RB056.....	29
76609	Durabrake	RB061.....	25	6333812	NABI	RB056.....	29
76610	Durabrake	RB066.....	24	6333812	New Flyer	RB056.....	29
76612	Durabrake	RB055.....	21	6347297	New Flyer	RB068.....	24
76613	Durabrake	RH014	19	6359347	New Flyer	RB057.....	21
76615	Durabrake	RB063.....	23	6407925	New Flyer	RB055.....	21
76616	Durabrake	RB057.....	21	6407925	New Flyer	RB059.....	22
76617	Durabrake	RH006	10	8551042	Volvo	RH012	13
76618	Durabrake	RH005	9	10016195	ConMet	RH004	18
76619	Durabrake	RH007.....	11, 18	10018609	ConMet	RH004	18
76620	Durabrake	RH003	15	10020108	ConMet	RH003	15
76621	Durabrake	RB068.....	24	10020109	ConMet	RH003	15
76641	Durabrake	RB060.....	22	10020682	ConMet	RH003	15
76642	Durabrake	RB051.....	25	10025445	ConMet	RH001	9
76690	Durabrake	RH011.....	13	10041006	ConMet	RH006	10
76691	Durabrake	RH012	13	10080753	ConMet	RB053.....	28
76692	Durabrake	RH001	9	10082074	ConMet	RH006	10
76693	Durabrake	RH001	9	10082181	ConMet	RB053.....	28
76810	Durabrake	RH008.....	11	10721062	Van Hool	RB064.....	23
76601A	Durabrake	RB052.....	27	10977055	Van Hool	RB064.....	23
76602A	Durabrake	RB064.....	23	11027856	Van Hool	RB065.....	26
123547	Meritor	RB052.....	27	11047678	Van Hool	RB066.....	24
123642	Meritor	RB053.....	28	11353913	Van Hool	RB066.....	24
123647	Meritor	RB056.....	29	20428193	Volvo	RH011.....	13
125500	Dayton Parts	RH013	14	21575071	Volvo	RH011.....	13
125600	Dayton Parts	RB053.....	28	68323012	Meritor	RB065.....	26
125700	Dayton Parts	RH014	19	68323736	Meritor	RB064.....	23
125701	Dayton Parts	RH004	18	68325977	Meritor	RB064.....	23
125702	Dayton Parts	RH002	17	68326014	Meritor	RB054.....	28
125704	Dayton Parts	RH010	16	85103803	Volvo	RH011.....	13
125705	Dayton Parts	RH009	19	85110496	Volvo	RH011.....	13
125710	Dayton Parts	RH003	15	920924972	Van Hool	RB055.....	21
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