

dba[®]

DISC BRAKES AUSTRALIA

5000 series[®]

PERFORMANCE 2016

US\$25

V-2

1/01/16



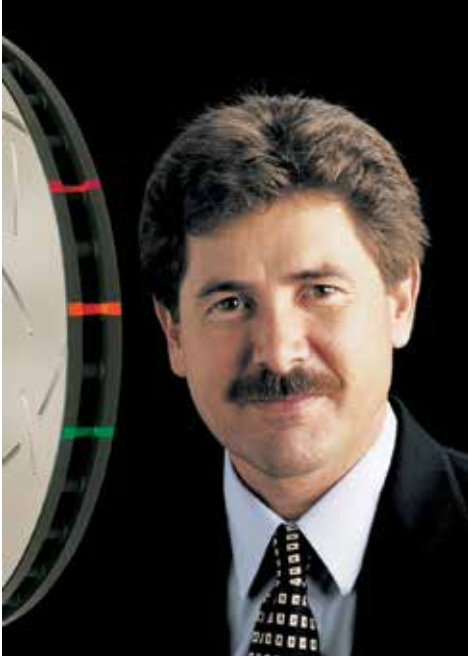
Management System
ISO 9001:2008
Incl. Approval
Relevant
Requirements



www.tuv.com
ID 9105060733



Manufacturing safety for over 40 years



“We are consistent in both quality and performance. This is what separates us from the rest”

Phillip Joseph
Managing Director

Through many decades of manufacturing experience and unsurpassed knowledge through research and development, DBA has positioned itself as Australia's most awarded manufacturer and a global leader in brake rotor manufacturing.

Through continuous improvements in engineering along with a thirst for innovation, DBA has managed to consistently re-define and deliver braking solutions for an extensive range of vehicle applications and conditions.



Mark Joseph
Sales & Marketing Director
(USA)



Management System
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"From cast iron to the finished product - total control"



After 30 years of design and development with race teams around the world, Disc Brakes Australia developed a proprietary cast iron formulation (XG-150) for use in all of it's premium performance disc brake rotors.

DBA's grey iron is rich in carbon and alloyed to produce excellent thermal characteristics, which is a key factor in the production of the casting. This is combined with our patented Kangaroo Paw ventilation design.

With a supersaturated solution of carbon in an iron matrix, the excess carbon precipitates out in the form of graphite flakes. The structural distribution of these graphite flakes provide excellent thermal properties, increasing the thermal shock resistance.

Also, when combined with DBA's TSP process it allows the material to cope with rapid thermal cycling with core-heat levels reaching approximately 700°C and above.

The DBA developed TSP™ process, stress relieves the cast iron during the manufacturing process.

Unlike any other cast irons, the XG-150 formulation was developed to respond to the TSP process resulting in a rotor that is ideal for heavy duty braking and suitable for motorsport applications.

XG-150 Features & Benefits

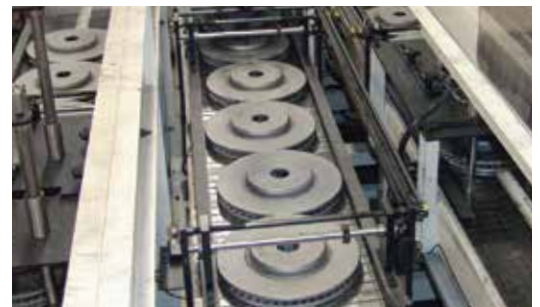
Feature	Benefit
<i>High thermal conductivity</i>	<i>Reduced brake fade, improved heat dissipation Consistent brake pedal feel</i>
<i>Thermal Stability</i>	<i>Minimises the risk of brake shudder/judder</i>



Foundry



Raw Castings



Machining



Global distribution and warehousing

Packaging & Distribution

Kangaroo Paw. Home grown inspiration.

Inspired within Australia's heartland, DBA developed the Kangaroo Paw cooling system. This patented ventilation system provides a much more efficient method of keeping the rotors cool under the heaviest of braking applications.

Using a series of 144 diamond and teardrop patterned pillars (or columns) instead of conventional straight cooling vanes, the design increases cooling efficiency by up to 20% when compared with most other conventional ventilated disc rotors.

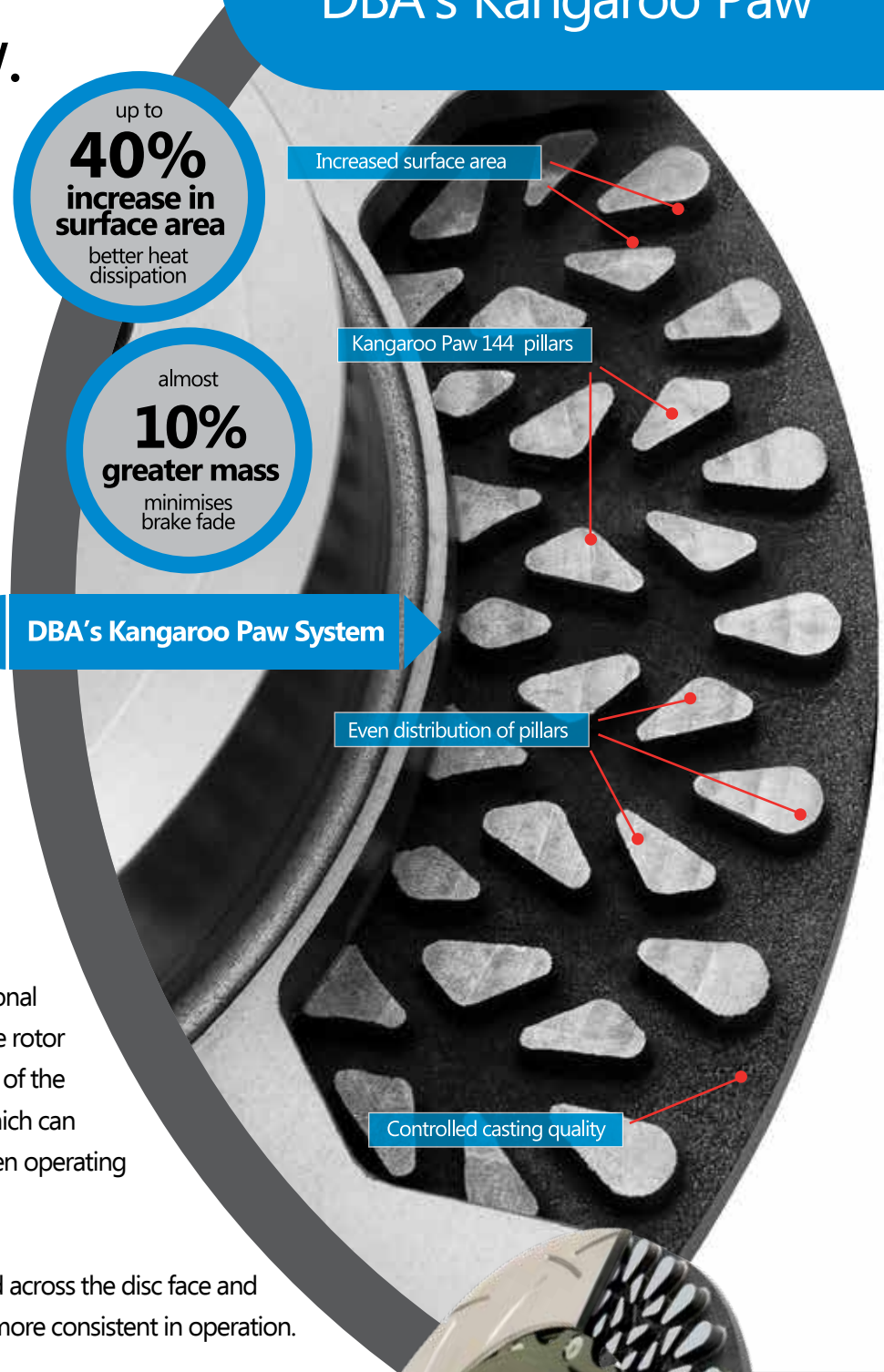
As well as providing cooler conditions, the Kangaroo Paw system also provides additional support to the friction face. This enables the rotor to maintain the fine tolerances over the life of the rotor better than a straight vane design, which can "balloon" and swell between the vanes when operating at high temperatures.

The Kangaroo Paw pillars are evenly spread across the disc face and make the rotor stronger, more stable and more consistent in operation.

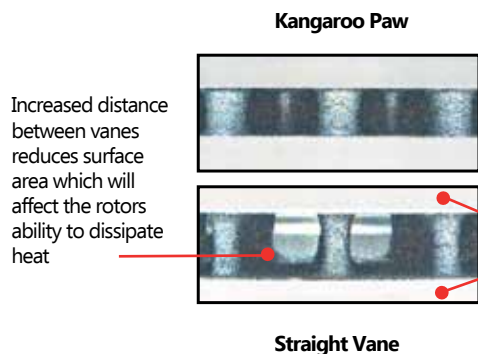
up to
40%
increase in
surface area
better heat
dissipation

almost
10%
greater mass
minimises
brake fade

DBA's Kangaroo Paw System



Comparing the ventilation air space between friction faces of a DBA Kangaroo Paw design and a conventional straight vane sample



A recent discovery has found that "lightweight" inferior discs have reduced braking plate surface thickness. This is a common method employed to reduce manufacturing costs. The result is lower thermal mass causing unpredictable performance characteristics and sacrificing safety and longevity.



5000 series®

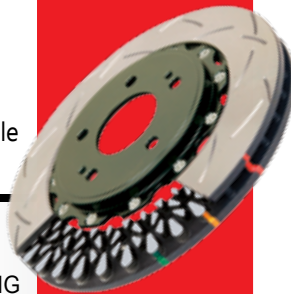


5000 T3 slot design

Features

- ✓ Patented 'Kangaroo Paw' ventilation design* provides greater heat dissipation
- ✓ Alumalite™ centre made from light-weight 6061-T6 aircraft aluminium material (re-useable)
- ✓ XG150 High Carbon Alloyed Iron increases the thermal capacity properties of the rotor
- ✓ Tri-Symmetrical T3 Slot design dampens the vibration harmonics resulting in a quieter, responsive and smoother brake pedal feel
- ✓ TSP (Thermal Stability Profiling) prolongs the service life of the rotor
- ✓ Replacement disc rotors available (without aluminium centre)

- Passenger ✓
- Performance ✓
- Motorsport ✓



- DAILY DRIVER
- AGGRESSIVE STREET DRIVING
- COMMERCIAL
- 4WD / TOWING
- SHOW CAR
- PERFORMANCE
- MOTORSPORT



Replacement aluminium hats

Available in Black or Gold anodised finish

Supplied with complete set of NAS nuts/bolts

NAS = National Aerospace Standard

DBA 5000 Series High Performance 2-Piece Discs



SHARING ALL THE TECHNOLOGY THAT DBA CAN OFFER, WE ARE NOW WITNESSING THE ULTIMATE IN PERFORMANCE DIRECT OE REPLACEMENT DISCS.

This includes a trisymmetrical slot design dampening harmonics, Increasing responsiveness and improving that all important pedal feel'. The 6061-T6 Alomalite hats on the Club Spec 5000 T3 rotors are critical for reducing unsprung weight and rotational mass.

Disc Brakes Australia is proud to announce its New Flat Disc range of products for the high end global performance vehicles. This product typically suits the upper level of prestige performance vehicles that are delivered with factory fitted two-piece rotor designs as standard.

The DBA replacement ring or disc comes with all the outstanding features of the DBA 5000 series products and is available as a direct replacement for vehicles such as the EVO 10, Nissan GTR, Mercedes AMG, HSV and FPV.

DBA, The ultimate brand in performance direct OE replacement discs.

DBA 5000 Series Slot Design

The DBA slotted performance range of rotors, feature many unique and patented designs. DBA has many slotted design options available and provide a unique design under a conditional special order.



T3 – Trisymmetrical Slot Design



XS – Cross Drilled & Slot Design



XDE – Cross Drilled & Dimple Design

NAS Bolts / Nuts and Adapter

NAS Bolts and Nuts used are light weight and are made to National Aerospace Standards using quality high tensile A286 corrosion resistant alloy and rated to withstand operating temperatures of up to 650°C. These bolts are manufactured for the use of two-piece rotor designs.

DBA recommends 13 Nm or 9.6 ft lb of torque when tightening the NAS nut and bolt assembly.



NAS4504U07
1/4" UNF
NAS BOLT – TRIWING



NAS6304U08
1/4" UNF
NAS BOLT – HEX HEAD



NAS1291C4
1/4" UNF NAS
CRIMP NUT – HEX HEAD



SDH6100PH105
M6 x 1MM –
CRIMP NUT



NAS4504U07
1/4" UNF
NAS BOLT - TOOL BIT

Product Specifications



Cross section of the Kangaroo Paw ventilation design.

The innovative Kangaroo Paw ventilation design runs cooler, is stronger, and outperforms traditional straight vane disc rotors by up to 20%.

The Kangaroo Paw system features 144 precisely positioned diamond and tear-drop pillars. The pillars provide greater strength and greater surface area. This helps by increasing heat dissipation and returning to optimal operating temperatures ready for the next braking application.



T3 Slot design—DBA's T3 slot design is built on the T2 design but with an increased number of slots, taking it from 32 to 48 CNC machined slots. The result is an even quieter, more responsive and smoother brake pedal feel. This is achieved from a series of tri-symmetrical 'curved' slots, which when aligned in a specific way, drastically dampen the vibration harmonics, that's commonly associated with traditional straight slot (groove) rotor designs.

The tri-symmetrical slots also increase the number of out-gassing exit points for brake pad friction gases to escape through, further increasing the consistency and effectiveness of every brake stop.



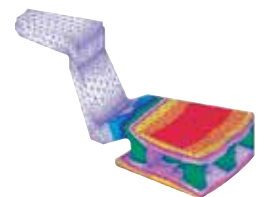
Performance metals – Usually only found in high-end performance discs, XG-150 is a unique formulation developed for all DBA products. High carbon alloyed iron may look like regular iron found on standard discs, but DBA's unique XG-150 iron formula has been tested the world over to the absolute limits of braking punishment.



Graphite flakes in the microstructure of the XG-150 cast iron



Built for abuse – DBA uses a process called thermal stability profiling (TSP) on all 4000 and 5000 discs manufactured with XG-150. TSP re-aligns the micro-structure of the iron, increasing density, resistance to extreme temperature, allowing the rotor to remain dimensionally true.



Initial Colour	When the rotor exceeds this temperature:	The colour will change to:
	458°C / 856°F	
	550°C / 1022°F	
	630°C / 1166°F	



4000 and 5000 series T3 rotors also incorporate DBA's Thermo-Graphic heat paint markings which change colour at specific temperature thresholds.

By monitoring the markings, drivers can check their braking performance quickly and easily.

Motorsport – important information

There are many factors that directly affect the longevity of disc rotors and the safety of the driver when using a high performance street vehicle on a race track.

The major considerations are listed below:

1 CORRECT BEDDING OF ROTORS

Generally, experienced drivers will use their track rotors on the street with standard pads for a week or two before any track use. Driving in normal traffic conditions for 200 to 300 km (180 miles) is more effective and less likely to prematurely fatigue the disc rotor material.

If you are unable to utilise this method or prefer the accelerate and brake repetition shortcut, please warm your brakes up first. Drive for at least 1-2 kms (1 mile), with long easy braking. The thermal shock from braking at high speed on cold rotors WILL prematurely fatigue your brakes.

2 PAD SELECTION

Standard street pads are NOT suitable for track day applications. Core Temperatures of rotors used on track days are generally in the 450°C to 600°C (1110°F) range and peak surface temperatures up to 800°C (1470°F) for 5 seconds or more.

Street pads will generally start to break down at 300°C to 350°C (570°F to 660°F), causing brake pad fade and glazing of the rotor surface. Also the pad structure is degraded resulting in poorer product performance.

3 WARM UP & COOL DOWN

Disc rotors must be preheated before track sprints to reduce the thermal shock from sudden high speed braking. The greater the difference in rotor temperature from when the pedal is applied to when the pedal is released, is directly proportional to metal fatigue.

This is also applicable after the event, when you exit the track. A cool down lap is advisable at reduced speed with lighter braking to lower the core temperature slowly, or if this is not possible,

go for a short drive off the track for a few minutes.

Do not pull up immediately after exiting the track with hot brakes if you plan on using them again!

NOTE : Applying the hand-brake on hot rotors after a track session will distort the rear discs as they cool down.

4 POST TRACK DAY ROTOR INSPECTION

All disc rotors should be inspected after track day events. This involves removing the rotor from the vehicle and inspecting for heat checking (surface cracking) and severe cracks from fatigue on the pad surfaces. If a suspected crack is found, rub the area with a light grade emery paper, 240 grit or higher, to confirm that it is a crack and not leaching or etching from the pad material.

Pad etching looks similar to light cracking but will disappear with a light rub with emery paper. If the heat checking is advanced to the point where the surface cracks are clearly visible, discard the pair of rotors. One ideal method that should be adopted is to have two sets of rotors.

One set for track use and one for street use. Changing to your street rotors after a track event encourages rotor inspection. Also, your street rotors can become your next track rotors with the advantage of being bedded in gradually. After the initial purchase of two sets of rotors you are still only replacing one set at a time.

5 ROTOR TEMPERATURES

Rotor temperature analysis is one method that can be used to enhance your driving technique. The use of thermo-graphic heat paint is the simplest method to record temperatures. To maintain optimal disc rotor life, the core temperatures should not exceed 630°C (1160°F). If you are exceeding this limit you should reconsider pad grades and driving technique. Take note of the time and distance the brakes are applied into a corner and compare them to other drivers. One or two seconds of additional braking can make a substantial difference in rotor temperature and product life.



THERMO-GRAPHIC TEMPERATURE MONITORING

Markings are placed on the outer edge of each rotor

Initial Colour	When the rotor exceeds this core temperature:	The colour will change to:
GREEN	458°C / 856°F	WHITE
ORANGE	550°C / 1022°F	YELLOW
RED	630°C / 1166°F	WHITE

Safe operating temperatures of brake fluid.

Brake Fluid Type	Dry Boiling Point ^A	Wet Boiling Point ^B
DOT 3	205°C / 401°F	140°C / 284°F
DOT 4	230°C / 446°F	155°C / 311°F
DOT 5.1	260°C / 500°F	180°C / 356°F
DOT 4/600	310°C / 590°F	216°C / 420°F

^A Dry Boiling Point is the temperature at which a brake fluid will boil in its virgin non-contaminated state.

^B Wet Boiling Point is the temperature at which a brake fluid will boil after it has been saturated with moisture.
Special Note : It is recommended that the brake fluid is changed every two years / 50,000kms (31,000 miles), or as recommended by the brake fluid manufacturer.

Maximum continuous working temperature of brake pads.

C.W.T. = Continuous Working Temperature

Brake Pad Type	Maximum C.W.T.	Friction Classif'n
Standard	280°C / 536°F	FF
Semi-Metal	400°C / 752°F	EF
Performance	500°C / 932°F	GF





SPECIAL NOTE : The technical tips listed above are recommendations only and may not suit all applications

Page	Part #	OD/TH	Vent System	Fitment
1	DBA4993	248mm x 7mm	S	Formula Ford Disc (Flat Disc) – for Hat Design Use DBA4994 – F
2	DBA42999	254mm x 9.65mm	S	Formula Ford Disc (Flat Disc) – Van Diemen FC 1994-on, Zetec FF2000, Alt No: PFC 255-10042-03 -R
3	DBA52546.1	273mm x 9mm	S	(MTO) Mazda MX 5 Goodwin Upgrade – R
4	DBA5003.1	277.8mm x 15.9mm	KP	Formula 3
5	DBA52545.1	280mm x 21mm	KP	(MTO) Mazda MX 5 Goodwin Upgrade – F
6	DBARADICALII	281.5mm x 26mm	KP	(MTO) SR 3, Alt No: BD0062/63
7	DBA5355.1L/R	282mm x 25.9mm	60V	(MTO) Lotus Elise S1, All Except Sport
8	DBA52355.1	288mm x 26mm	KP	Lotus Elise S2 / Exige
9	DBA5000.1	295mm x 25mm	KP	Subaru WRX 99-01 – F
10	DBA5010.1	295mm x 25mm	KP	Subaru WRX Us Spec – F
11	DBA52358.1	296mm x 26mm	KP	Lotus Upgrade Option, Elise S2 Upgrade – F/R
12	DBA5040.1	296mm x 28mm	KP	Holden VT-VZ
13	DBA52919.1L/R	298.5mm x 31.8mm	60V	(MTO) AP Replacement Cross Reference: CP 3862-104GA; GA = J Hook
14	DBA52500.1	300mm x 25mm	KP	(MTO) Honda Acura, RSX Type S, 2002-2006
15	DBA52510.1	300mm x 28mm	KP	Honda Euro (2003-on), 2.4L 1-VTEC 3.0L V6
16	DBA52921.1L/R	304mm x 32mm	60V	AP Replacement Cross Reference: CP38580-2604/05 Mustang
17	DBA52231.1L/R	308mm x 26mm	60V	Lotus Series 2, Alt No: CP 3580-1174/1175
18	DBA52650.1	316mm x 30mm	KP	(MTO) Subaru (2003-2010), Liberty B4, 3.0L Spec B GT, WRX 15 – F
19	DBA52113.1	319mm x 30mm	KP	Ford Mustang (2006-on), V6, Gt (V8)
20	DBA52120.1	320mm x 25mm	KP	Ford Focus (2006-on), Xr5 Turbo 2.5L – F
21	DBA52468.1	320mm x 27mm	KP	Hyundai Tiburon
22	DBA52525.1	320mm x 28mm	KP	Mini Cooper Brembo Floating Hat 03 -> F
23	DBA52218.1	320mm x 32mm	KP	Mitsubishi Evo (Lancer), Evo V, VI, VII, VIII, IX, GSR & RS-2, 17" Wheels (1996-2008)
24	DBA52390.1	322mm x 32mm	KP	(MTO) Porsche 911 (993), (1995-1997)
25	DBA5718.1	323mm x 30mm	KP	(MTO) Toyota Supra 1993-98, Export and Japanese Models, 2JZ-GTE TT/GE, 4 Piston Brake Caliper – F
26	DBA5928.1	324mm x 30mm	KP	Nissan Skyline R32/33/34 Gt-R Twin Turbo, fitted with Brembo Calipers, Nissan 350Z Front (2003-on), Brembo 4 Pot Brake Caliper
27	DBA2979.1	325mm x 10.1mm	S	(MTO) Flat Solid – Rear Upgrade . . .

Page	Part #	OD/TH	Vent System	Fitment
28	DBA52880.1	325mm x 28mm	KP (MTO)	BMW M3 E46, 2001> F
29	DBA52994.1	325mm x 32mm	KP (MTO)	Chev Corvette C5 – Ford FPV BA 2003-05 – F
30	DBA5654.1	326mm x 30mm	KP	Subaru Impreza WRX STI, 2002-11, fitted with Brembo Calipers
31	DBA5046.1	328mm x 28mm	KP	GM (Holden), HSV VR/VS 93-97 F
32	DBA57330.1	330mm x 25.4mm	KP (MTO)	AP Replacement Cross Reference: CP3580-1092 / CP3580-1093 – 48 Vane, Drawing Ref: CD3580-1092 / CD3580-1093
33	DBA52349.1	330mm x 25.5mm	KP (MTO)	Nissan 350Z – Rear
34	DBA52935.1	330mm x 28mm	KP	AP Replacement Cross Reference: CP3580-2898 / CP3580-2899, Drawing Ref: CP3580-1096-7, CP3580-2002/03
35	DBA57830.1	330mm x 28.2mm	KP (MTO)	OE#: QH00-13305 – PJN
36	DBA57904.1L/R	330mm x 32mm	60V	Alcon No: DIV 330/32/55-12/203 L/R
37	DBA5048.1	330mm x 32mm	60V	GM (Holden), HSV VT, VX, VY, VY II, VZ, (PBR 2 Piston Calipers) – F
38	DBA52386.1	330mm x 34mm	KP	DBA Version Fits: Porsche 911 (966), Turbo, C4 S, (1999-2004) – F
39	DBA5100.1L/R	330mm x 34mm	72V	NZ V8 Super Cars
40	DBA52903.1	332mm x 26mm	KP	Lotus V6 Exige 2 (Rear), AP Replacement Cross Reference: CP2494-1987, uses a Cast Iron Hat
41	DBA52908.1L/R	332mm x 32mm	60V	Lotus V6 Exige 2 (Front), OE ALS 9 J001, AP Replacement
42	DBA57888.1L/R	332mm x 32mm	72V	Brembo Cross Reference: 09.8666.53/63, 09 8666.70/80, 09.5682.70/80, 09.5682.78/88, 09.5682.92/93
43	DBA52901.1	334mm x 28mm	KP (MTO)	Alcon (Australian Application Only), DIV 2175X534
44	DBA52828.1L/R	334mm x 32mm	60V	VW Golf R32 Cross Reference: MK 4 2001-04, OE One Piece Part No.1JO 615 301 AA
45	DBA52199.1	336mm x 24mm	KP (MTO)	V8 Utes – R
46	DBA52134.1	336mm x 28mm	KP	Ford Focus RS 2.5L Turbo (2010-2012), OE One Piece Part No 9M51.1125AA
47	DBA52830.1	340mm x 30mm	KP	VW Golf 7, Golf R (2013-on), Audi S3 Quattro
48	DBA52990.1	340mm x 32mm	KP	Corvette C6 Z-51, 2005> F
49	DBA52918.1	343mm x 28mm	KP (MTO)	
50	DBA52196.1	343mm x 29mm	KP (MTO)	V8 Utes – F
51	DBA7056.1	343mm x 32mm	KP (MTO)	AP Direct Replacement
52	DBA5055.1	343mm x 32mm	KP	HSV VT-VZ 1997-2005 – F
53	DBA52939.1	343mm x 32mm	KP	VW Golf/Jetta, Alcon DIV2175 x 557C24L/R – F, Vauxhall Astra OPC “A”
54	DBA52915.1	345mm x 28mm	KP	Brembo Cross Reference: 80 Series 09.5759.94/95, 0.9.5759.96/97

Page	Part #	OD/TH	Vent System	Fitment
55	DBA52808.1	345mm x 30mm	KP	VW Golf R32 - F, (2004-on) OE One Piece Part No: 1KO615301M
56	DBA52858.1	348mm x 30mm	KP	 BMW E90, E91, E92, E93 – F
57	DBA2978.1	350mm x 13mm	S	 Flat Solid Rear – Upgrade
58	DBA52018.1	350mm x 32mm	KP	HSV 05-06 AP 4 Piston Caliper F – Refer DBA52024 for 6 Piston Caliper / Lotus Evora P/N = DBA52018-1, Assembly P/N = DBA52364BLKS
59	DBA52223.1	350mm x 32mm	KP	Brembo Cross Reference: XA2.91.32/33 Direct OE Replacement – Mitsubishi Evo 10MR Brembo OE – F
60	DBA52224.1	350mm x 32mm	KP	Mitsubishi Evo 10 – F
61	DBA52396.1	350mm x 34mm	KP	DBA Version Fits: Porsche 911 (996 & 997) (2003-2008), Carrera C4s Upgrade GT2 GT3 GT3RS – F
62	DBA52916.1	355mm x 28mm	KP	AP Replacement Cross Reference CP6565-190/1 CG8
63	DBA52604.1	355mm x 32mm	KP	GM – Holden Redline/Chevrolet Comaro V8, (2010-on) – F
64	DBA52073.1	355mm x 32mm	KP	Opel VRX/OPC 13 -> OE Brembo Replacment F (GM#13370436 (35 12 AA Z677)
65	DBA52075.1	355mm x 32mm	KP	Ford FPV BA-BF Falcon PBR 'M' Series Upgrade F – DBA Version, Holden PBR 'M' Series Upgrade – DBA 5000 Series Version
66	DBA52750.1	355mm x 32mm	KP	AP Replacement Cross Reference: CP 4542-106/107
67	DBA52992.1	355mm x 32mm	KP	Chevrolet Corvette C6 Z06 – F
68	DBA52923.1L/R	355mm x 32mm	48V	Brembo Part No.: 09.5759.13/23 Brembo Part No.: 09.5759.35/45 Brembo Part No.: 09.A026.13/23 – 17mm Air Gap – 48 Vane; Brembo Part No.: 09.8673.13/23 – 17mm Air Gap – 48 Vane; Brembo Part No.: 09.9306.11/21 – 17mm Air Gap – 72 Vane; Brembo Part No.: XA2.91.34/35 – 20mm Air Gap – 48 Vane; Brembo Part No.: 09.A027.13/23 – 20mm Air Gap – 48 Vane Brembo Part No.: X7.049.19 -20mm Air Gap / Pillar & Post Vent Design / Special Note: Specification 'I' - Flange Inside Diameter is 217mm
69	DBA52314.1	355mm x 32mm	KP	Nissan 370Z, 3.7 Litre V6 (Akebono Calipers)
70	DBA52448.1	355mm x 32mm	KP	 Dodge Viper SRT 2003> F
71	DBA52124.1	355mm x 32mm	KP	 Brembo Cross Reference 09.7792.10/20, Ford Mustang (2005-2013), GT (V8) Shelby Edition, GT 500 and Boss 302 with Brembo Package
72	DBA52905.1	355mm x 32mm	KP	Upgrade: DBAUSA Big Caliper Kit, Subaru, BMW, Corvette
73	DBA52906.1L/R	355mm x 32mm	48V	Alcon Cross Reference: DIV2146X037
74	DBA52102.1	355.6mm x 32mm	KP	Ford FPV BA/BF/FG 05-11 F
75	DBA52804.1	360mm x 32mm	KP	Audi RS4 Biturbo 01-06 F, OE # 8DO 615 302B
76	DBA52690.1	360mm x 36mm	KP	Mercedes C63 (08-12), SL55 (07-12), E63 (07-11), SLK55 (12-13), SL63 (07-12), W204 219-421-02-12 (Two Piece)

Page	Part #	OD/TH	Vent System	Fitment
77	DBA52024.1	362mm x 32mm	KP	General Motors (Holden) HSV VZ, 2005-06 AP 6 Piston Caliper F – Refer DBA52018 for 4 Piston Caliper
78	DBA52037.1	362mm x 32mm	KP	AP Replacement Cross Reference: CP4542-142/143
79	DBA52771.1	365mm x 26mm	KP	 Corvette C7, Z06 2015 – OE Direct Replacement – Rear
80	DBA52030.1	365mm x 32mm	KP	General Motors (Holden), HSV VE and VE2 (2006-12)
81	DBA52943.1	367mm x 32mm	KP	 Alcon Cross Reference: DIV 2175 X 534 C24 L/R
82	DBA52770.1	370mm x 34mm	72V	 Corvette C7, Z06 2015 – OE Direct Replacement – Front
83	DBA52069.1	372mm x 28mm	KP	HSV GT-S Rear – OE Direct Replacement
84	DBA92190.1L/R	375mm x 35.6mm	72V	 Australian V8 Supercar Front Disc – Left
85	DBA52914.1L/R	375mm x 36mm	72V	AP Replacement Cross Reference: CP 5772-1076-7
86	DBA52902.1	378mm x 32mm	KP	Alcon Cross Reference: DIV 2175 X 533 C24
87	DBA52928.1L/R	378mm x 31.75mm	48V	 (ST-USA)
88	DBA52932.1L/R	378mm x 35.6mm	48V	 (ST-USA)
89	DBA52071.1	378mm x 36mm	KP	HSV-GTS STRAP-DRIVE AP Racing Alternative: Bolt Holes are Offset Left and Right Handed to Suit 6 Piston Caliper
90	DBA52072.1	378mm x 36mm	KP	HSV-GTS, DBA Version. Full Assembly uses DBA52072.2 Hat
91	DBA52970.1	380mm x 28mm	KP	Brembo 09.A186.10/20
92	DBA52971.1	380mm x 28mm	KP	AP Racing CP 5914-184/185
93	DBA52323.1	380mm x 30mm	KP	Nissan GT-R 2009-2011: Brembo OE Direct Replacement, Rear Disc
94	DBA52321.1	380mm x 30mm	KP	Nissan GT-R 2009-2011 DBA Version Rear
95	DBA52399.1	380mm x 32mm	KP	Porsche 911 GT3 Inc PCCB Cars 06> F
96	DBA52933.1L/R	380mm x 32mm	72V	Brembo Part No.: 09.5759.74/84 – 17mm Air Gap; Brembo Part No.: 09.5759.98/99 – 17mm Air Gap; Brembo Part No.: 09.8528.74/84 – 17mm Air Gap Brembo Part No.: 09.5884.73/83 – 20mm Air Gap; Brembo Part No.: 09.A009.74/84 – 20mm Air Gap Endless No.: E98-8032-Bolo-CG8 Porsche: 997 Cup (Grand-Am Category); 997 (GT3 Category) Sprint, 997 (GT3 Category); Endurance, 996 RSR (GT2 Category) Aston Martin: DBRS – 9 (GT2); DBRS – 9 (GT3 Homologation); GTE (2011-on); DBRS – 9 (GT4 Endurance) Ferrari: 430 Berlinetta (GT2/GT3 Category) Ford: Mustang S197 Boss 302R (GS/GTS/T1) Chevrolet: Corvette C6 W.C.GT/Rolux GT, Camaro GS/TS Ascari KZ1-R (GT2/GT3) Homologation Venturi Heritage (GT3) Homologation
98	DBA52900.1	380mm x 32mm	KP	AP Replacement
99	DBA59382.1L/R	380mm x 32mm	72V	Brembo Cross Reference: XA2.91.32/33 – 20mm Air Gap, DBA Uses – 17mm Air Gap – Brembo 48 Vanes

Page	Part #	OD/TH	Vent System	Fitment
100	DBA52320.1	380mm x 34mm	KP	Nissan GT-R 2009-2011: DBA Version Front Disc
101	DBA52322.1	380mm x 34mm	KP	Brembo OE Direct Replacement, Front Disc 09.8528.12 Left, 09.8528.22 Right Nissan GT-R 2009-2011:
102	DBA52632.1	380mm x 34mm	KP	Jeep Grand Cherokee SRT8 – 2011 > F
103	DBA59384.1L/R	380mm x 34mm	72V	Brembo Cross Reference: 09.A009.12/22 – 20mm Air Gap Porsche GT3 CUP CAR, Ferrari 458 GT3 Sprint
104	DBA52385.1L/R	380mm x 35mm	72V	Brembo Cross Reference: 09.8528.78/88 Porsche 997 RSR (GT2 Category) Endurance, Porsche 997 RSR (GT2 Category) Sprint, Chevrolet Corvette C6 GT3 (Optional Brake System, Endless No. E91-8035-B010-GG18) Maserati Trofeo GT4
105	DBA52972.1	380mm x 36mm	72V	AP Cross Reference: CP 7177-128/129
106	DBA52370.1L/R	390mm x 34mm	72V	Nissan R35 GT-R 2012-on. OE # 40206-KJ10A
107	DBA52068.1L/R	390mm x35.6mm	72V	HSV GT-S Front (2006-2015)
108	DBA52372.1	396mm x34mm	KP	 Nissan R35 GT-R 2015-on Alcon Cross Reference: DKF2222X001C24BL
109	DBA57890.1	405mm x 34mm	KP	Brembo Cross Reference: 09.A226.75/76 09.A226.80/81 (Ref INZ.9505A2 – Family 95)
110	DBA52926.1	410mm x 34mm	KP	
111	DBA52931.1	410mm x 34mm	KP	
112	DBA52930.1	410mm x 36mm	KP	
112	Flat Disc Enquiry Form			

P. C. D.

(inches to millimetres)

Inches (")	Millimetres (mm)	Inches (")Millimetres (mm)	Inches (")Millimetres (mm)	
7.00"	177.8mm	8.5"	215.9mm	
7.5"	190.5mm	8.75"	222.25mm	
8.0"	203.2mm	9.00"	228.6mm	
			10.00"	254mm

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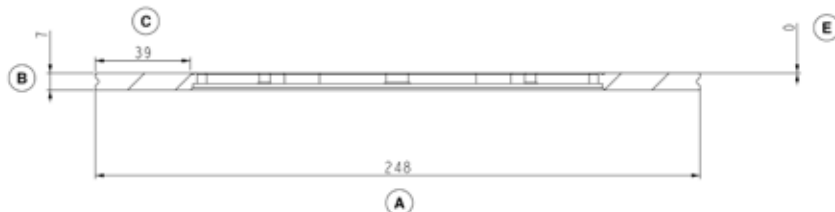
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THE KANGAROO PAW DESIGN IS NOT AVAILABLE ON ALL PART NUMBERS, ASK YOUR SUPPLIER FOR DETAILS.

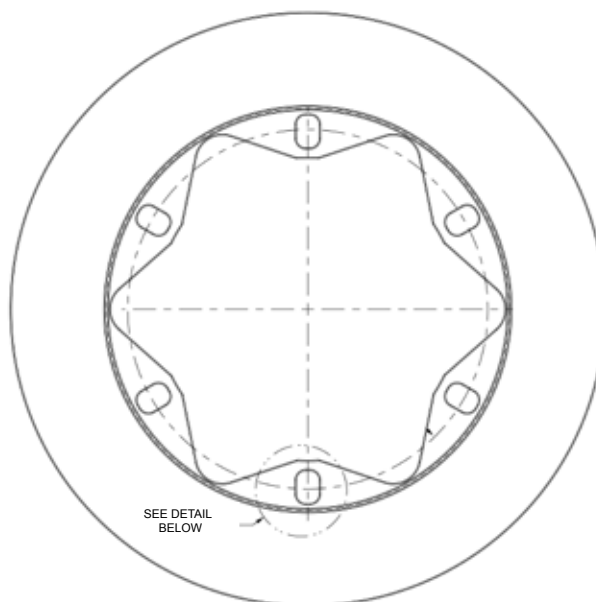
A large rectangular area filled with a grid of small, evenly spaced dotted lines, intended for handwritten notes.

DBA Part No. **DBA 4993**

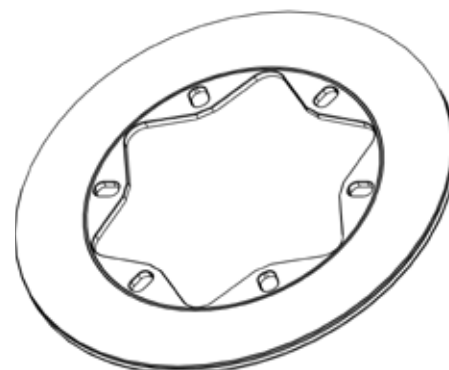
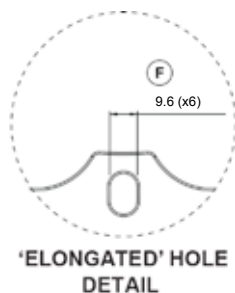


Technical Specifications

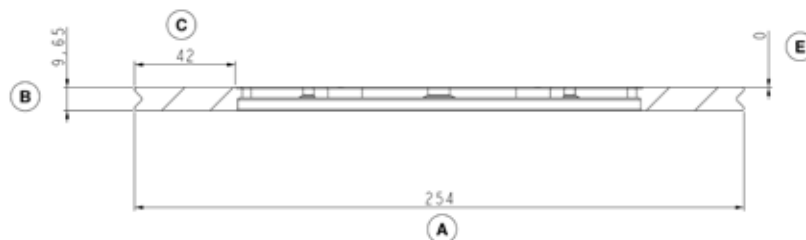
A Diameter (mm)	248
B Thickness (mm)	7
C Annulus (mm) (Maximum useable pad width)	39
D Air Gap (mm)	0
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	9.6 (x6)
Weight (kg)	1.45
Vent Design	Solid



Note: Formula Ford Disc.
For Hat design disc brake rotor,
please refer to the DBA main
catalogue.
Part number DBA4994
(Formula Ford Disc – Hat Design).

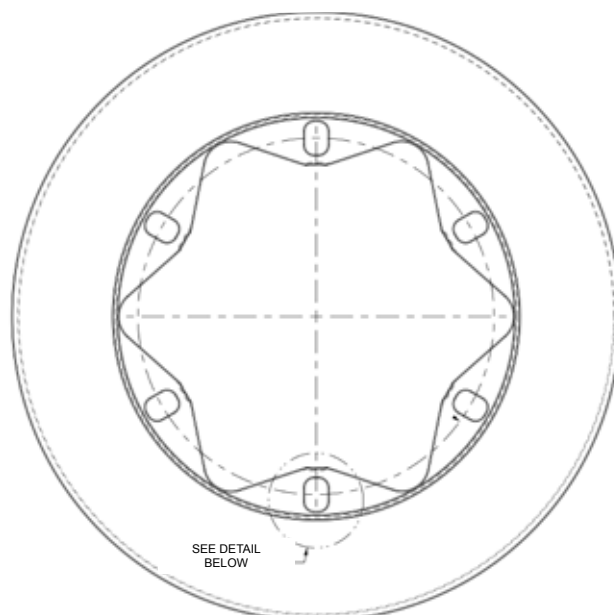


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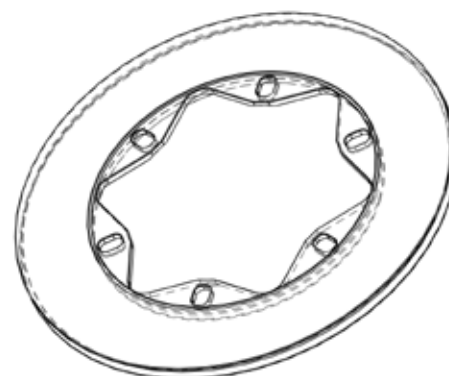
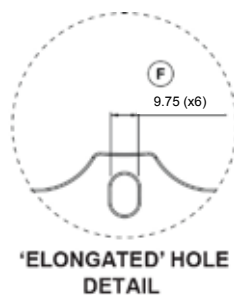


Technical Specifications

A Diameter (mm)	254
B Thickness (mm)	9.65
C Annulus (mm) (Maximum useable pad width)	42
D Air Gap (mm)	0
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	9.75 (x6)
Weight (kg)	2.06
Vent Design	Solid



Note: Formula Ford Disc.



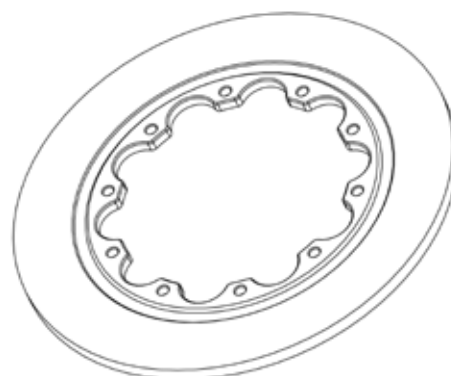
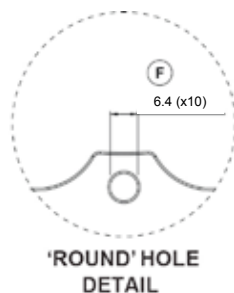
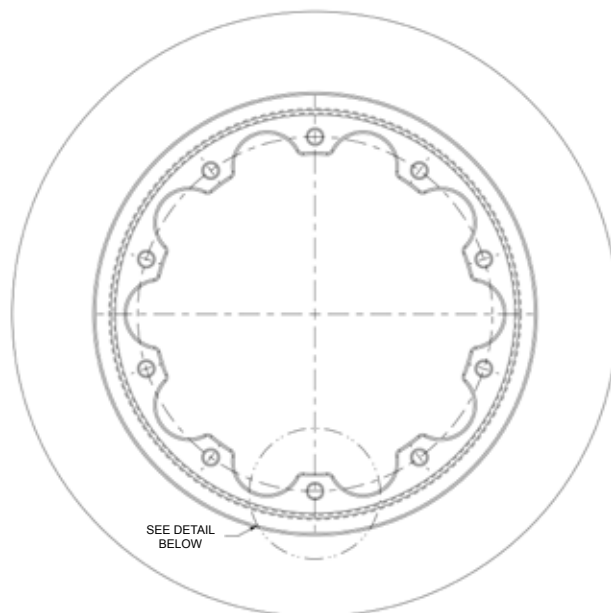
DBA Part No. **DBA 52546.1**

(Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A Diameter (mm)	273
B Thickness (mm)	9
C Annulus (mm) (Maximum useable pad width)	36.5
D Air Gap (mm)	0
E Offset (mm)	+ 1
F Dia. & No. of Bolt holes (mm)	6.4 (x10)
Weight (kg)	2.3
Vent Design	Solid

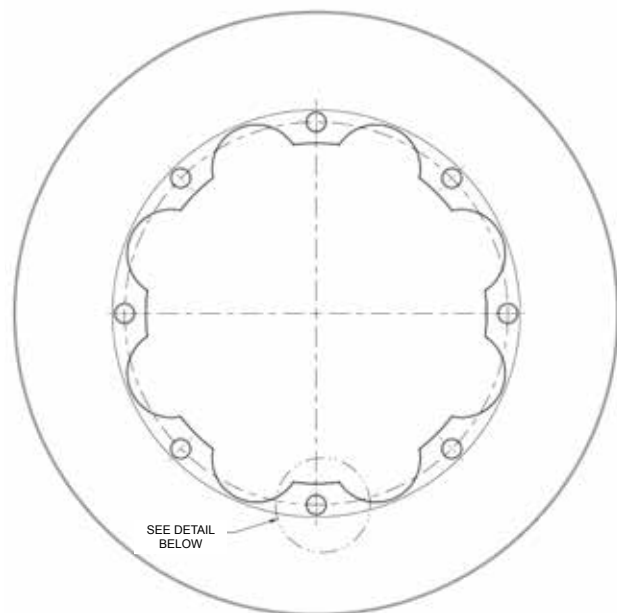


DBA Part No. **DBA 5003.1**



Technical Specifications

A Diameter (mm)	277.8
B Thickness (mm)	15.9
C Annulus (mm) (Maximum useable pad width)	45.4
D Air Gap (mm)	6.5
E Offset (mm)	+ 0.6
F Dia. & No. of Bolt holes (mm)	8.45 (x8)
Weight (kg)	2.72



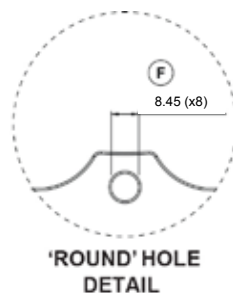
Vent Design



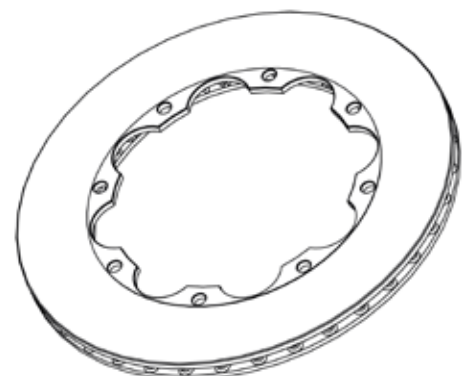
Kangaroo Paw



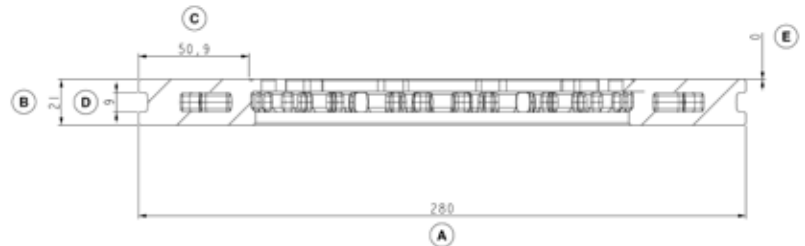
KANGAROO PAW




**'ROUND' HOLE
DETAIL**

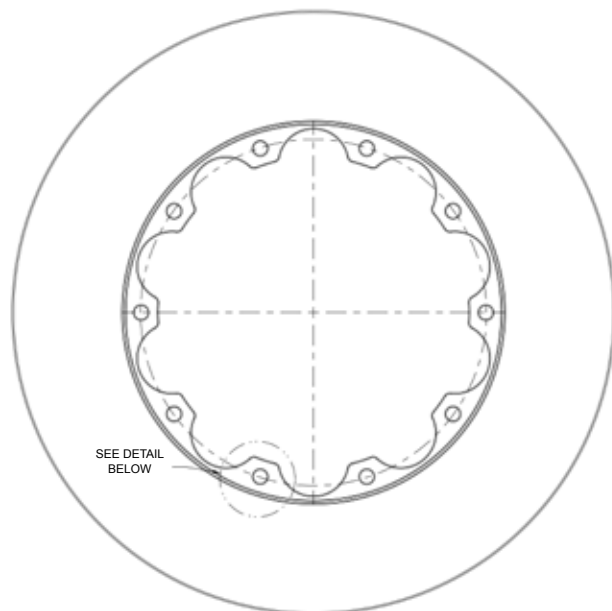


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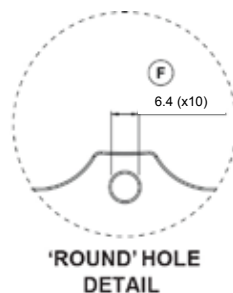


Technical Specifications

A Diameter (mm)	280
B Thickness (mm)	21
C Annulus (mm) (Maximum useable pad width)	50.9
D Air Gap (mm)	9
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x10)
Weight (kg)	4.0
Vent Design	 Kangaroo Paw



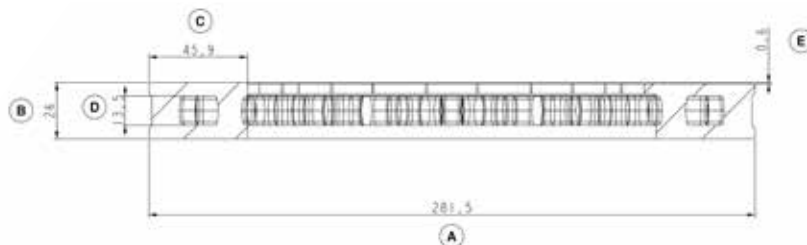
KANGAROO PAW



**'ROUND' HOLE
DETAIL**

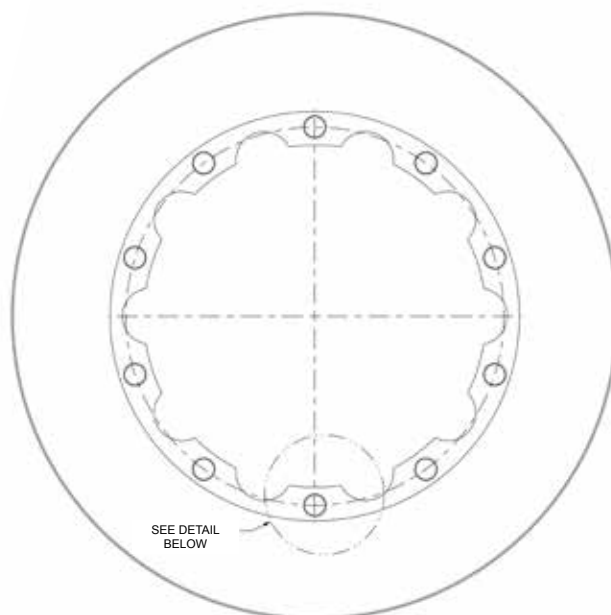


DBA Part No. **DBA RADICAL II**



Technical Specifications

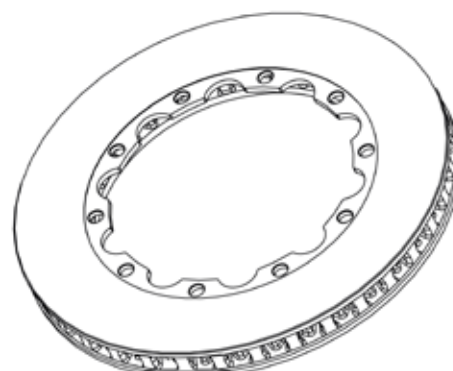
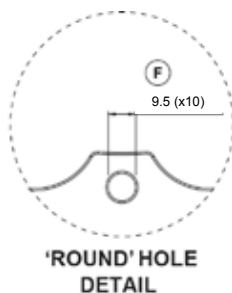
A Diameter (mm)	281.5
B Thickness (mm)	26
C Annulus (mm) (Maximum useable pad width)	46
D Air Gap (mm)	13.5
E Offset (mm)	- 0.6
F Dia. & No. of Bolt holes (mm)	9.5 (x10)
Weight (kg)	4.2



Vent Design



Kangaroo Paw

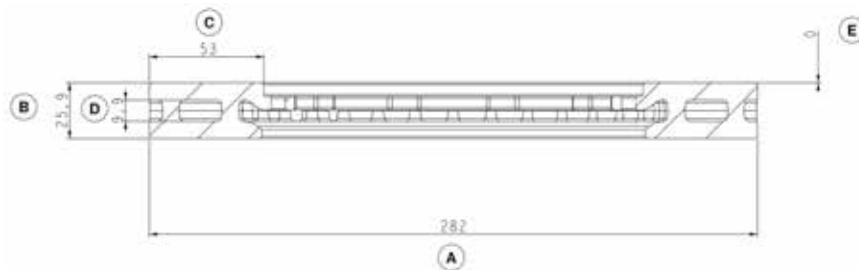


DBA Part Nos.

DBA 5355.1L

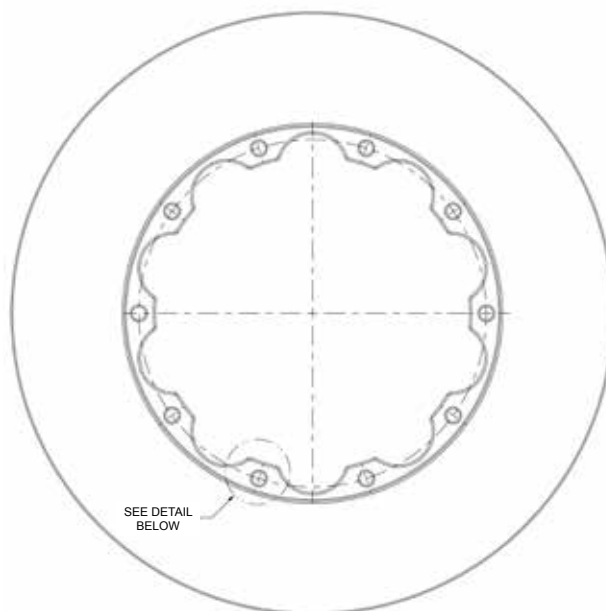
DBA 5355.1R

(Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A Diameter (mm)	282
B Thickness (mm)	25.9
C Annulus (mm) (Maximum useable pad width)	53
D Air Gap (mm)	9.9
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x10)

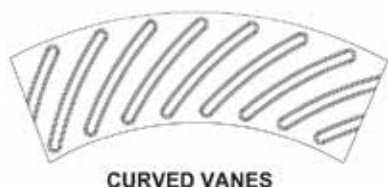


Weight (kg) **5.31**

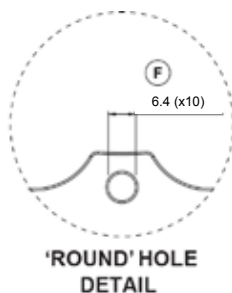
Vent Design



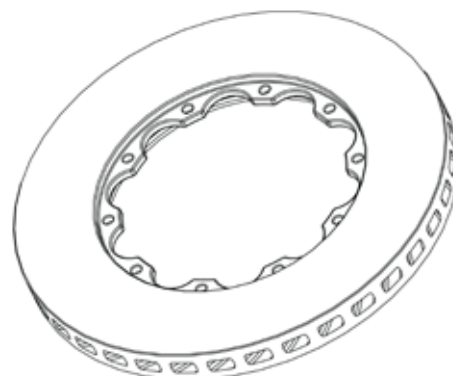
Curved Vanes



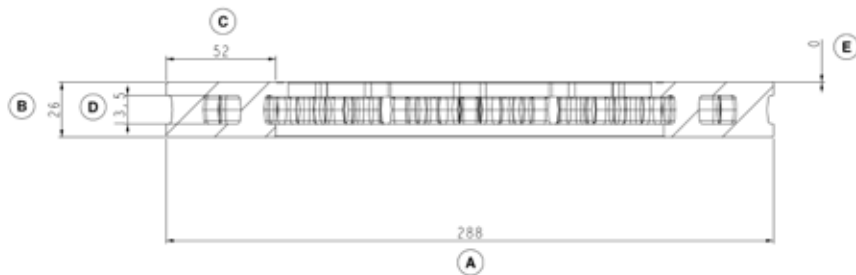
CURVED VANES



**'ROUND' HOLE
DETAIL**

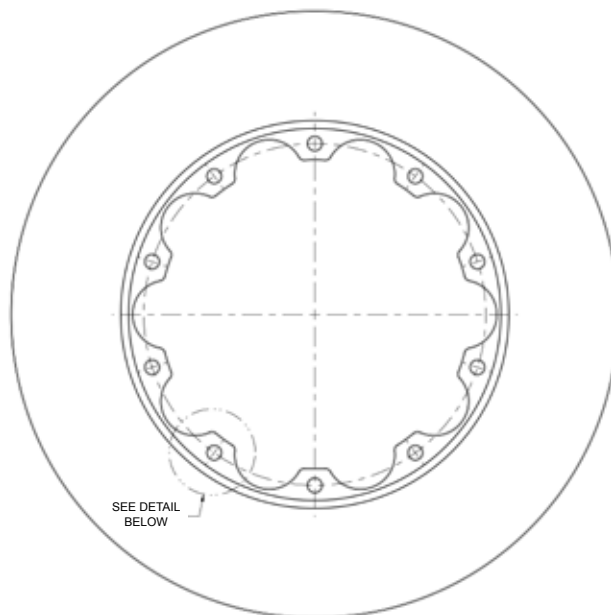


DBA Part No. **DBA 52355.1** (Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A	Diameter (mm)	288
B	Thickness (mm)	26
C	Annulus (mm) (Maximum useable pad width)	52
D	Air Gap (mm)	13.5
E	Offset (mm)	0
F	Dia. & No. of Bolt holes (mm)	6.4 (x10)

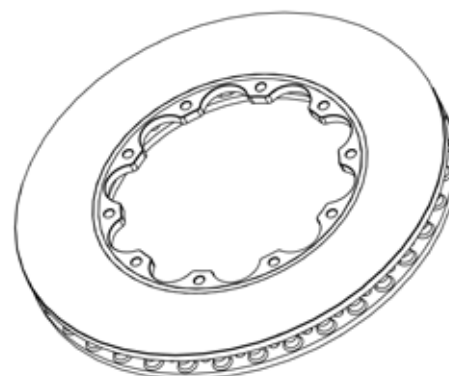
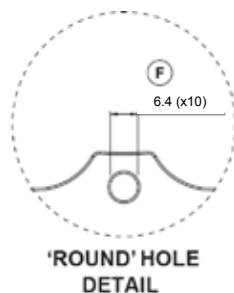


Weight (kg) **4.79**

Vent Design

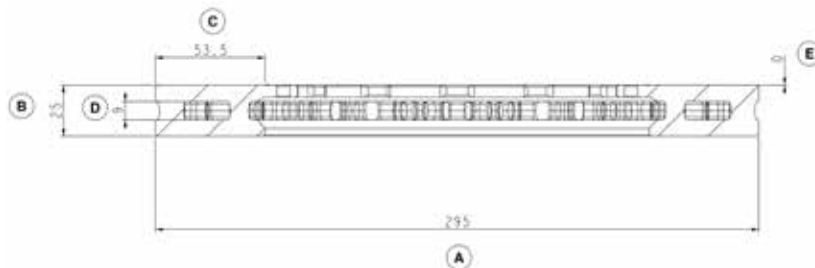


Kangaroo Paw



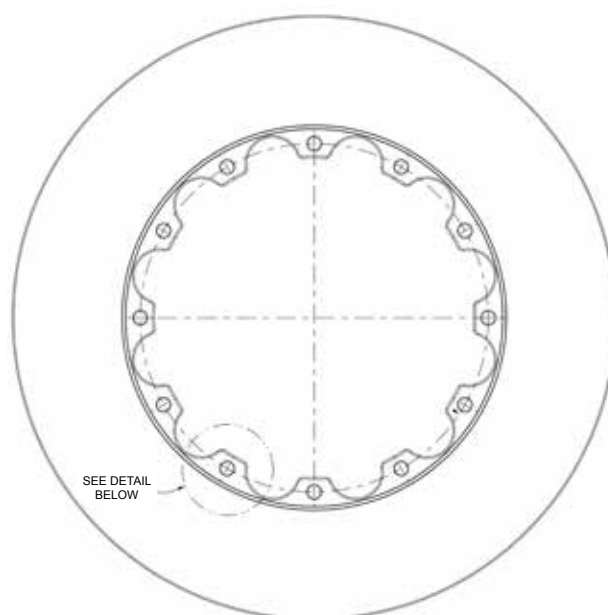
DBA Part No. **DBA 5000.1**

(Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A Diameter (mm)	295
B Thickness (mm)	25
C Annulus (mm) (Maximum useable pad width)	53.5
D Air Gap (mm)	9
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	5.21



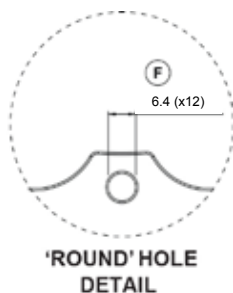
Vent Design



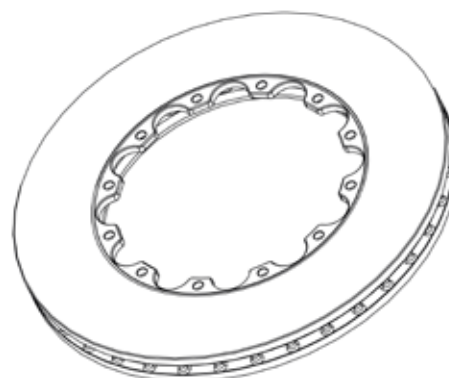
Kangaroo Paw



KANGAROO PAW

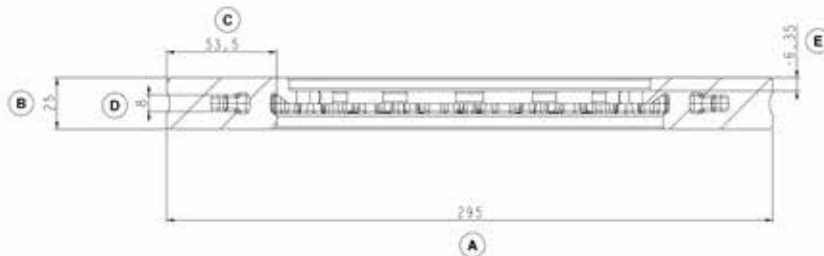


**'ROUND' HOLE
DETAIL**



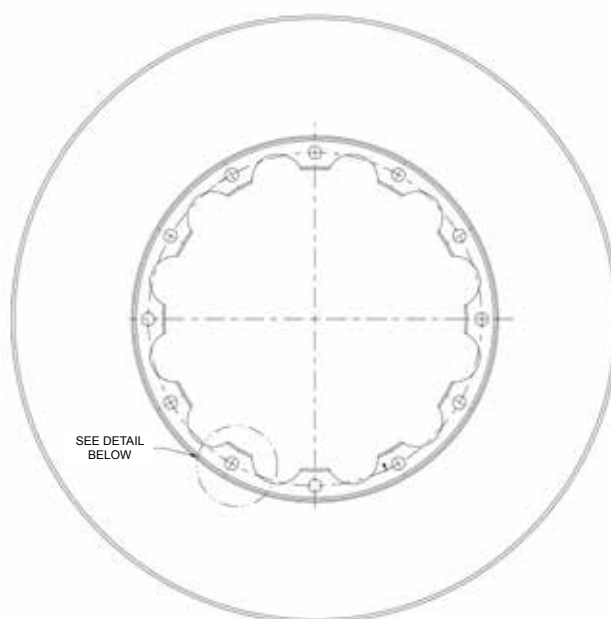
DBA Part No. **DBA 5010.1**

(Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

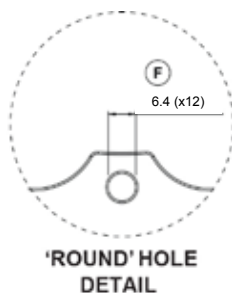
A Diameter (mm)	295
B Thickness (mm)	25
C Annulus (mm) (Maximum useable pad width)	53.5
D Air Gap (mm)	8
E Offset (mm)	- 6.35
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	5.99



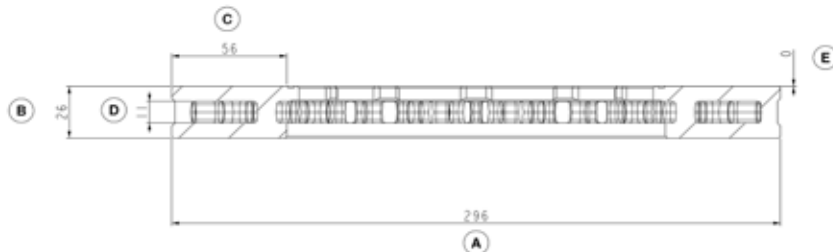
Vent Design



Kangaroo Paw

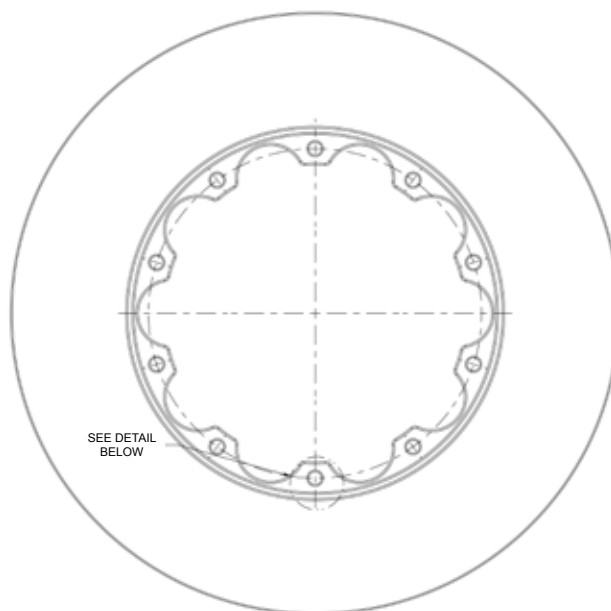


DBA Part No. **DBA 52358.1** (Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A Diameter (mm)	296
B Thickness (mm)	26
C Annulus (mm) (Maximum useable pad width)	56
D Air Gap (mm)	11
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x10)

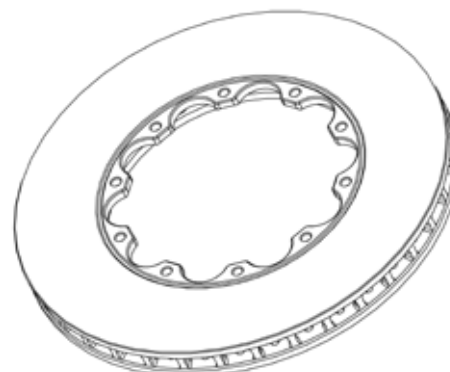
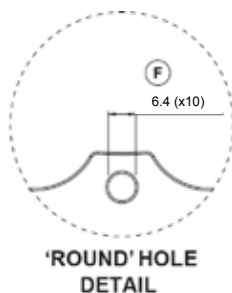


Weight (kg) **5.32**

Vent Design

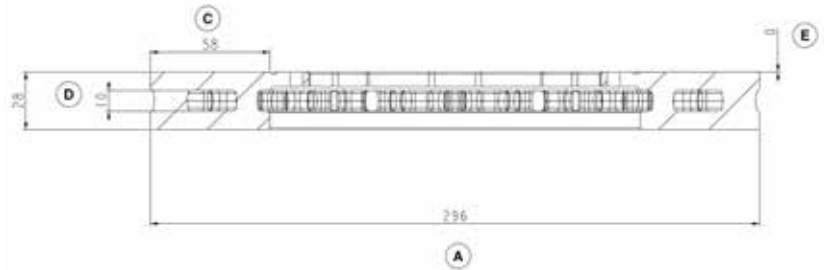


Kangaroo Paw



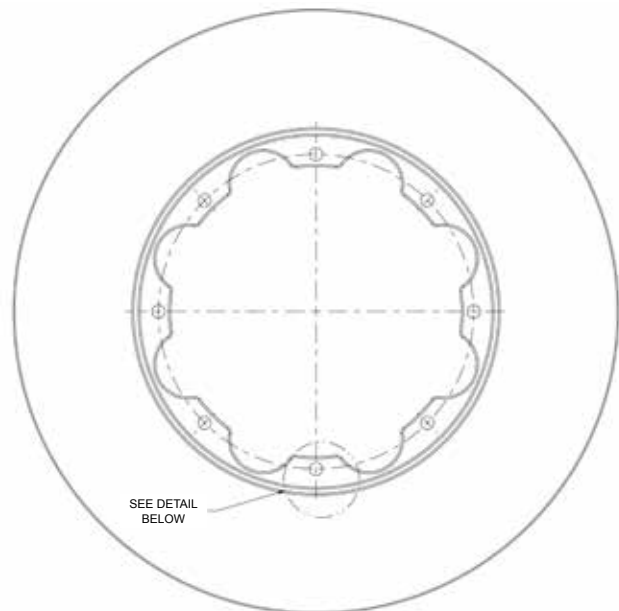
DBA Part No. **DBA 5040.1**

(Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

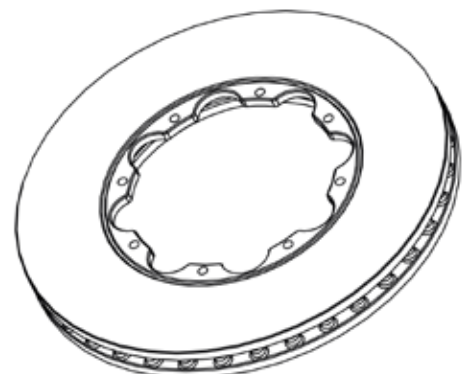
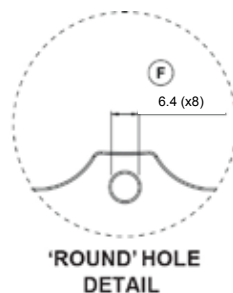
A Diameter (mm)	296
B Thickness (mm)	28
C Annulus (mm) (Maximum useable pad width)	58
D Air Gap (mm)	10
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x8)
Weight (kg)	6.67



Vent Design



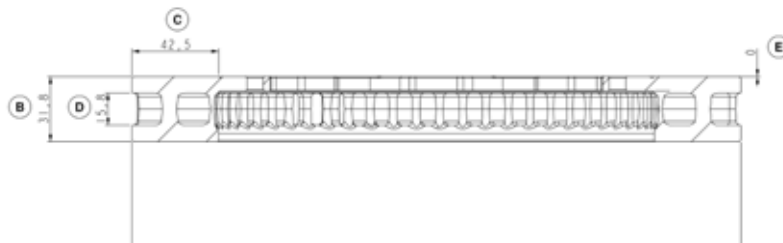
Kangaroo Paw



DBA Part Nos.

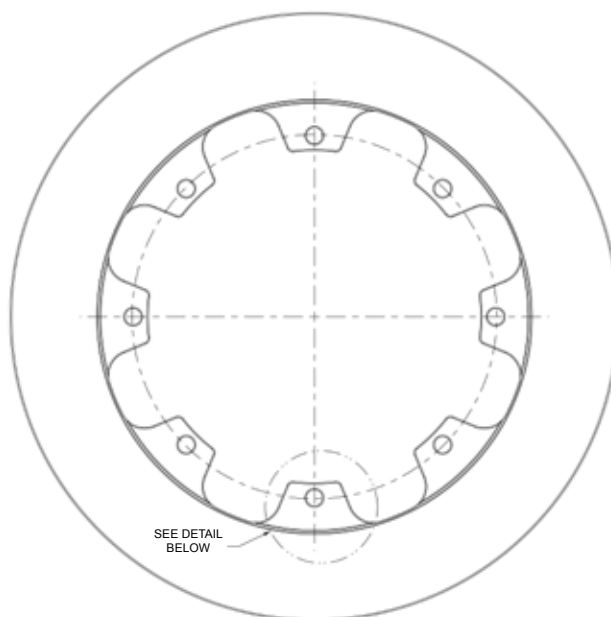
DBA 52919.1L

DBA 52919.1R



Technical Specifications

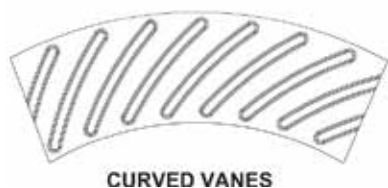
A Diameter (mm)	298.5
B Thickness (mm)	31.8
C Annulus (mm) (Maximum useable pad width)	42.5
D Air Gap (mm)	15.8
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	8.2 (x8)
Weight (kg)	5.5



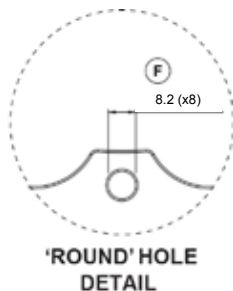
Vent Design



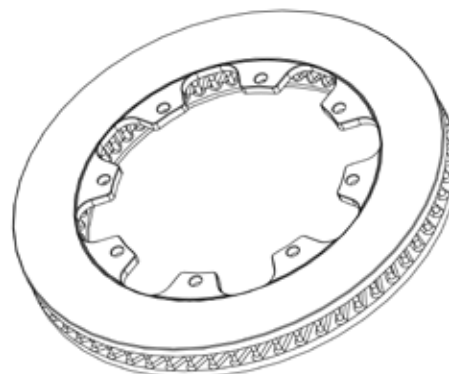
Curved Vanes



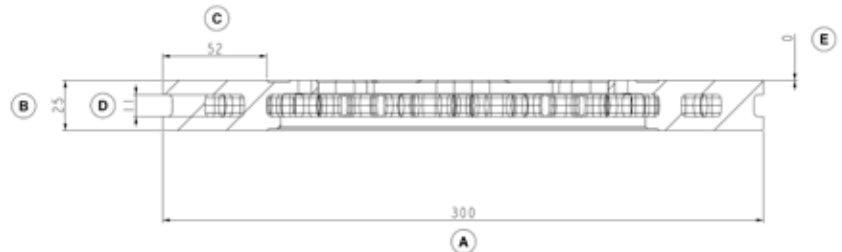
CURVED VANES



**'ROUND' HOLE
DETAIL**

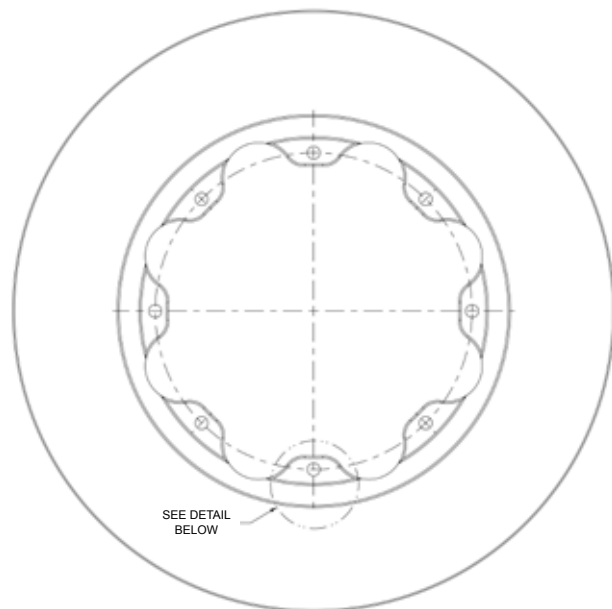


DBA Part No. **DBA 52500.1** (Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A Diameter (mm)	300
B Thickness (mm)	25
C Annulus (mm) (Maximum useable pad width)	52
D Air Gap (mm)	11
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x8)
Weight (kg)	5.57



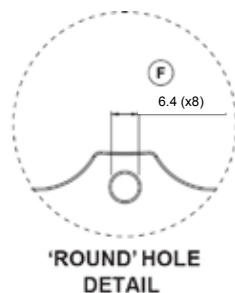
Vent Design



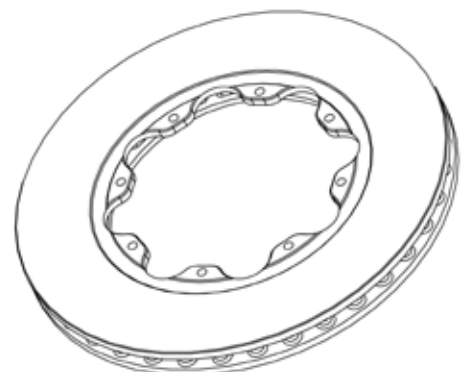
Kangaroo Paw



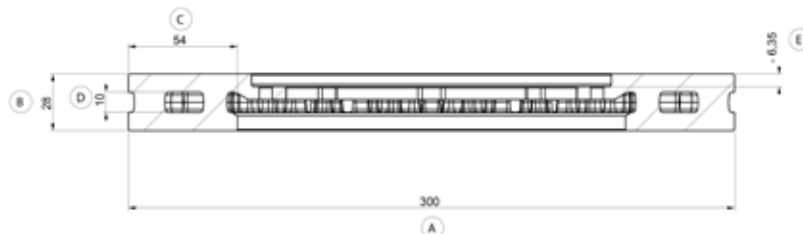
KANGAROO PAW



'ROUND' HOLE
DETAIL

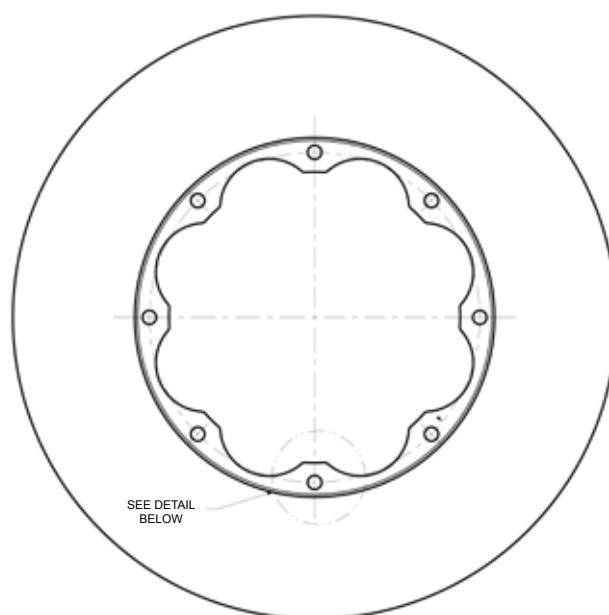


DBA Part No. **DBA 52510.1**



Technical Specifications

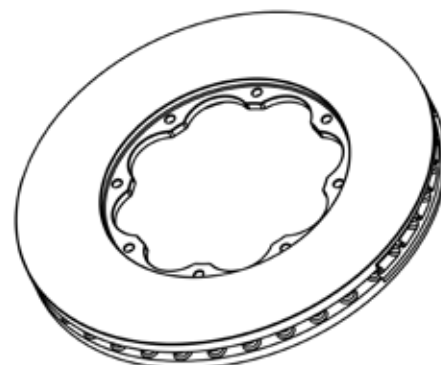
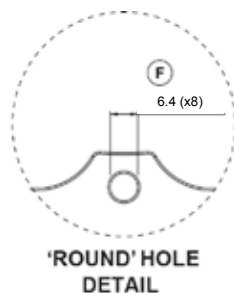
A Diameter (mm)	300
B Thickness (mm)	28
C Annulus (mm) (Maximum useable pad width)	54
D Air Gap (mm)	10
E Offset (mm)	- 6.35
F Dia. & No. of Bolt holes (mm)	6.4 (x8)
Weight (kg)	6.7



Vent Design



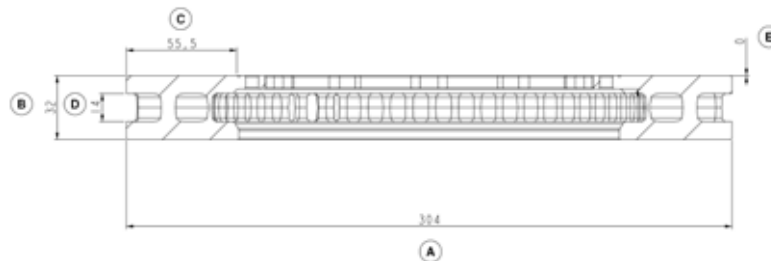
Kangaroo Paw



DBA Part Nos.

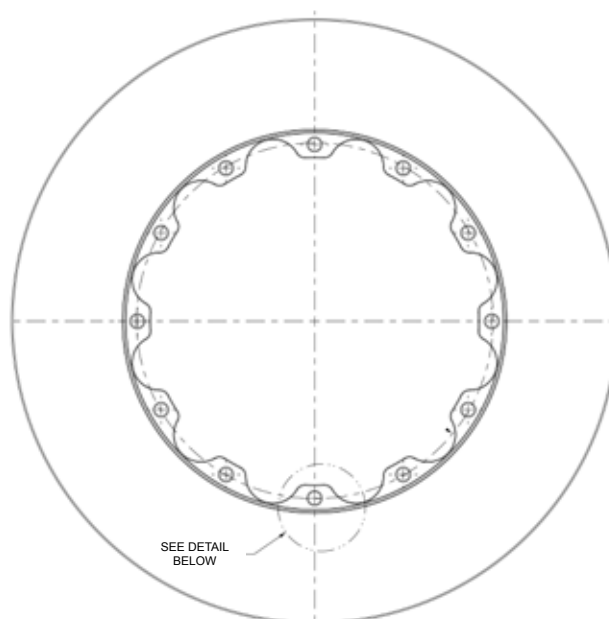
DBA 52921.1L

DBA 52921.1R



Technical Specifications

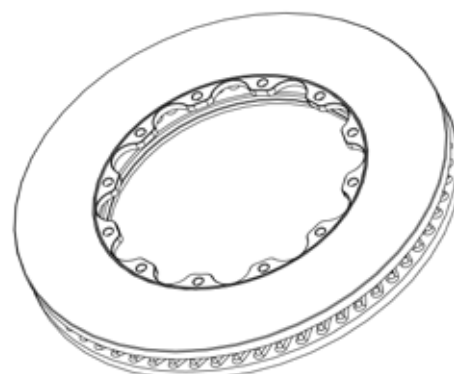
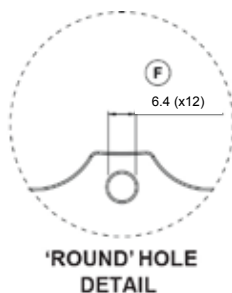
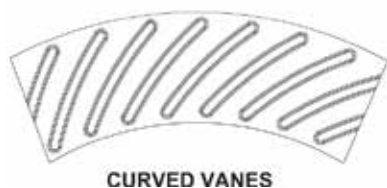
A Diameter (mm)	304
B Thickness (mm)	32
C Annulus (mm) (Maximum useable pad width)	55.5
D Air Gap (mm)	14
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	6.8



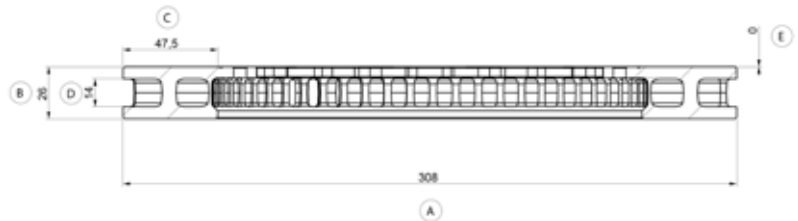
Vent Design




Curved Vanes

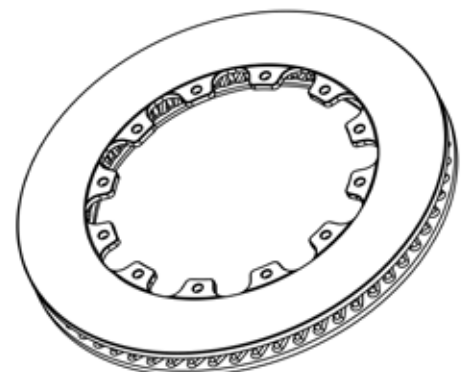
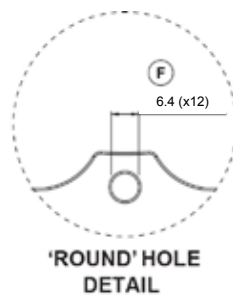
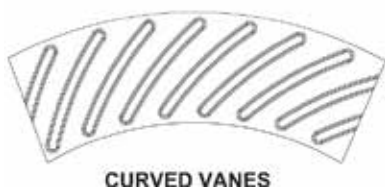
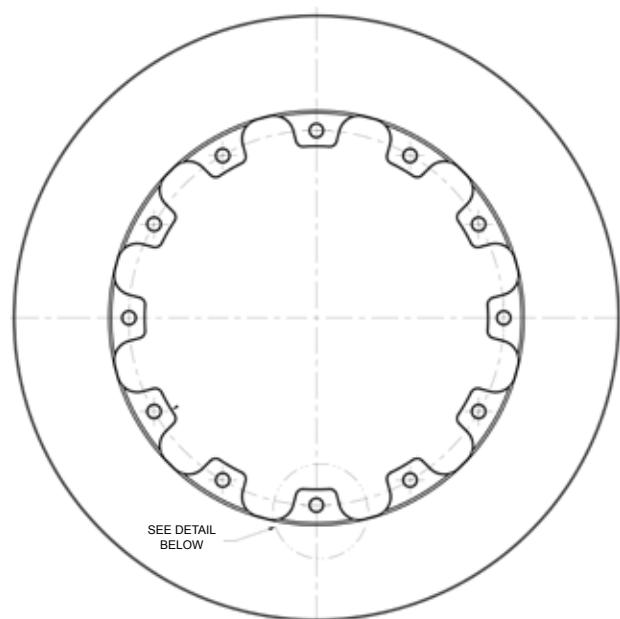


DBA Part Nos.
DBA 52231.1L
DBA 52231.1R

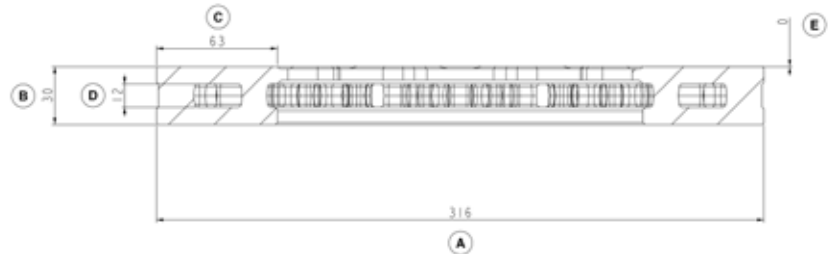


Technical Specifications

A Diameter (mm)	304
B Thickness (mm)	26
C Annulus (mm) (Maximum useable pad width)	55.5
D Air Gap (mm)	14
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	4.7
Vent Design	 Curved Vanes

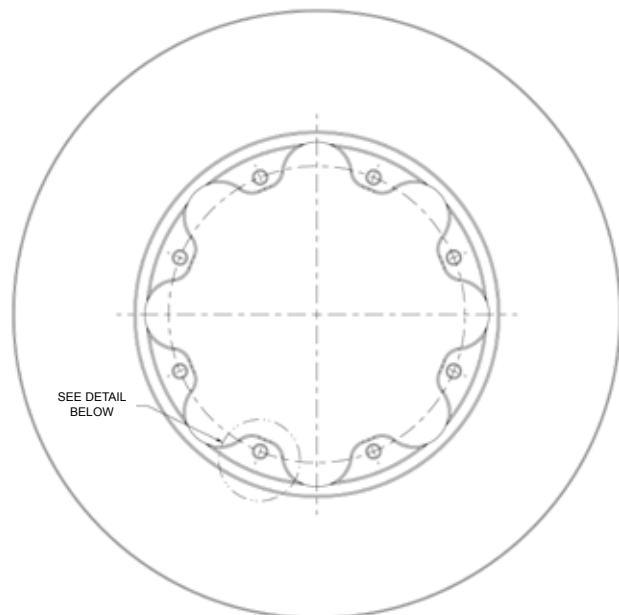


DBA Part No. **DBA 52650.1** (Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A Diameter (mm)	316
B Thickness (mm)	30
C Annulus (mm) (Maximum useable pad width)	63
D Air Gap (mm)	12
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x8)
Weight (kg)	7.9



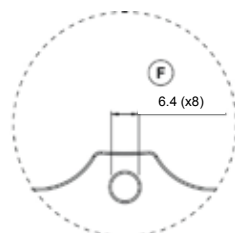
Vent Design



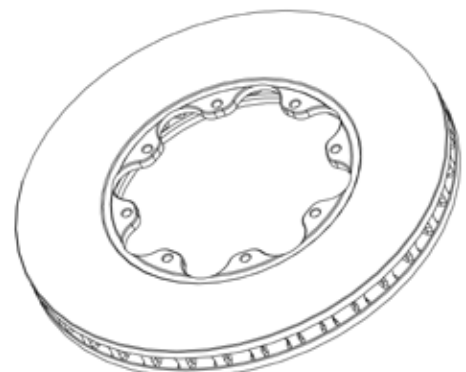
Kangaroo Paw



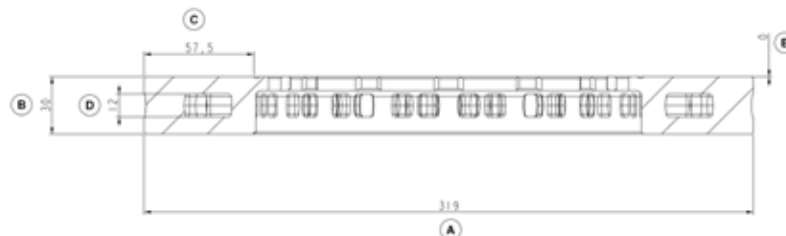
KANGAROO PAW



**'ROUND' HOLE
DETAIL**

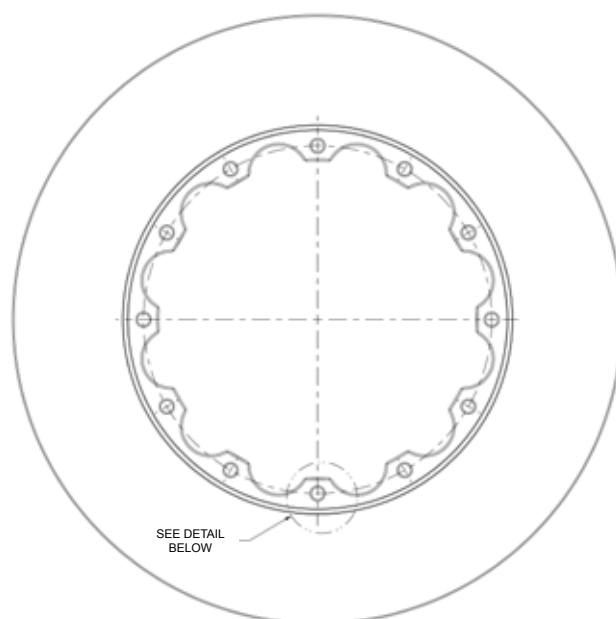


DBA Part No. **DBA 52113.1** (Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A Diameter (mm)	319
B Thickness (mm)	30
C Annulus (mm) (Maximum useable pad width)	57.5
D Air Gap (mm)	12
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x12)

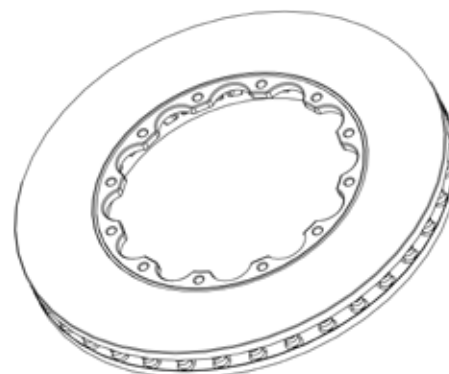
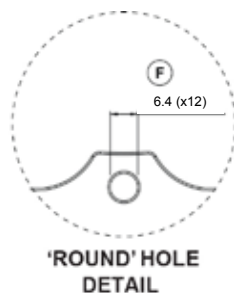


Weight (kg) **7.64**

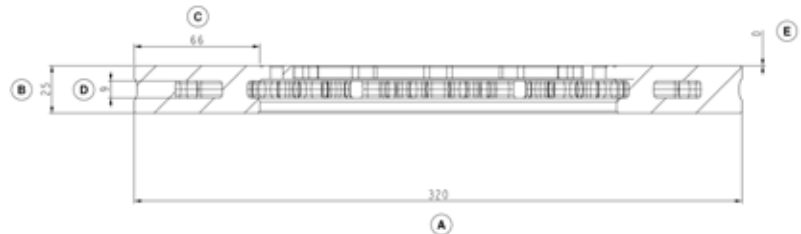
Vent Design




Kangaroo Paw

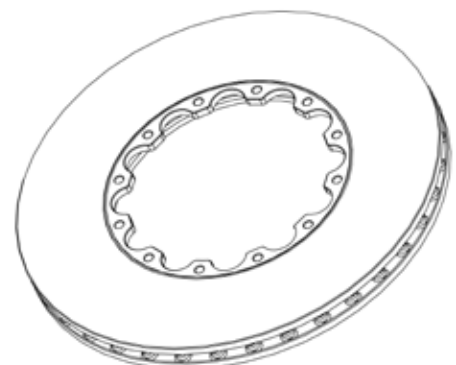
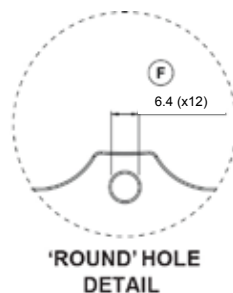
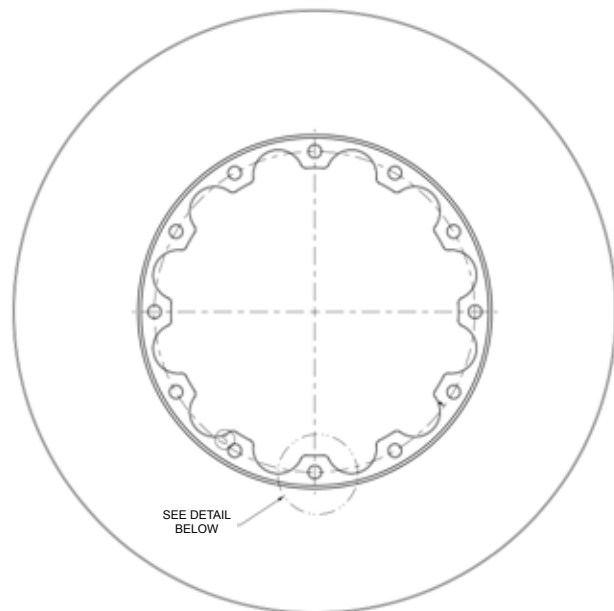


DBA Part No. **DBA 52120.1** (Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A Diameter (mm)	320
B Thickness (mm)	25
C Annulus (mm) (Maximum useable pad width)	66
D Air Gap (mm)	9
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	7.15
Vent Design	 Kangaroo Paw

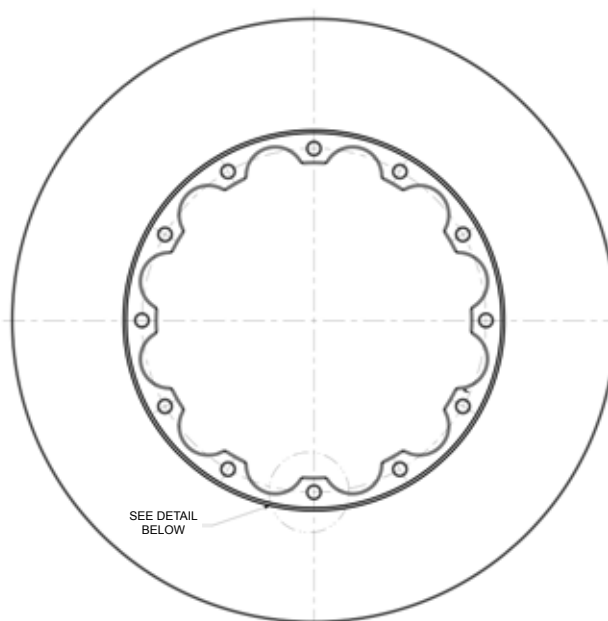


DBA Part No. **DBA 52468.1**



Technical Specifications

A Diameter (mm)	320
B Thickness (mm)	27
C Annulus (mm) (Maximum useable pad width)	57.5
D Air Gap (mm)	12
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x12)



Weight (kg) **6.55**

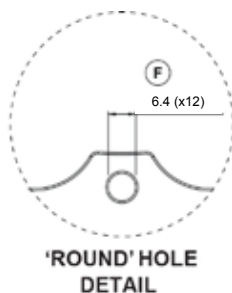
Vent Design



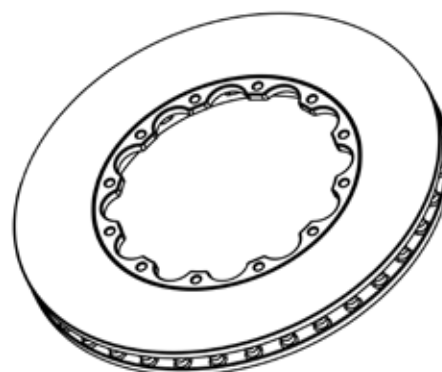
Kangaroo Paw



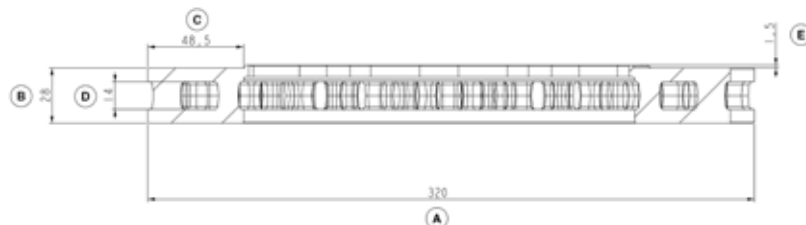
KANGAROO PAW



**'ROUND' HOLE
DETAIL**

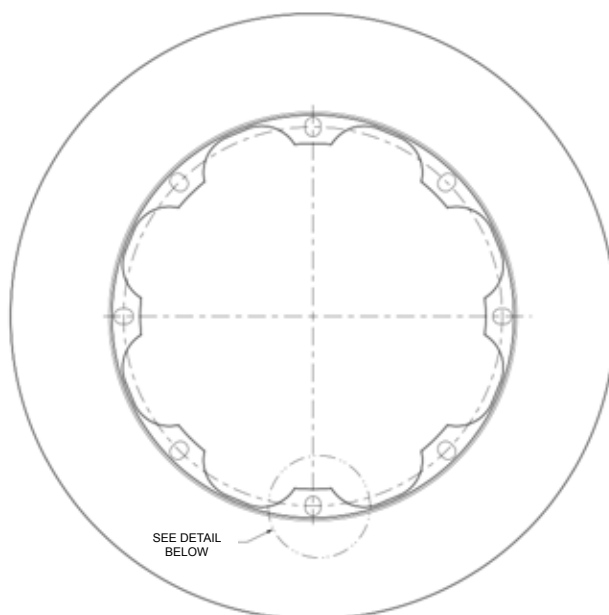


DBA Part No. **DBA 52525.1** (Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A Diameter (mm)	320
B Thickness (mm)	28
C Annulus (mm) (Maximum useable pad width)	48.5
D Air Gap (mm)	14
E Offset (mm)	+ 1.5
F Dia. & No. of Bolt holes (mm)	8.15 (x8)
Weight (kg)	5.7



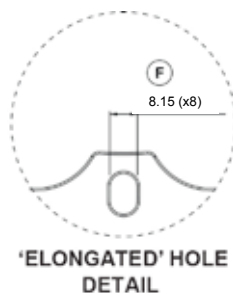
Vent Design



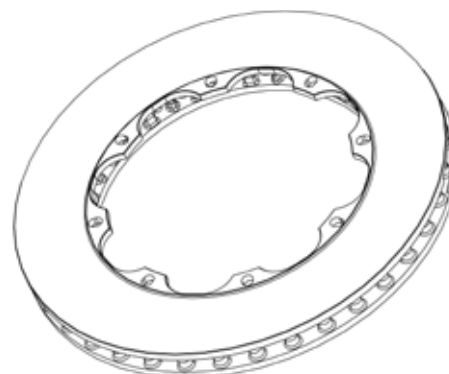
Kangaroo Paw



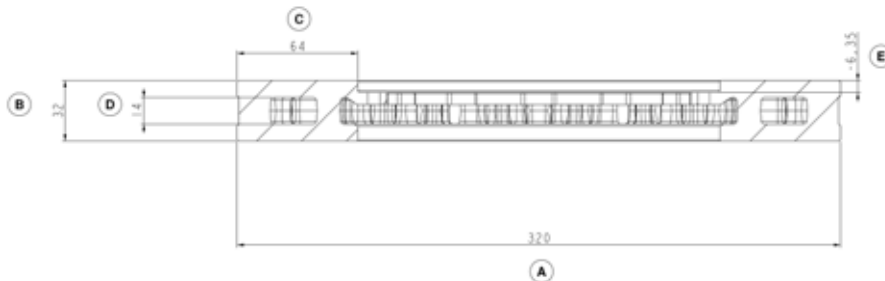
KANGAROO PAW



'ELONGATED' HOLE
DETAIL

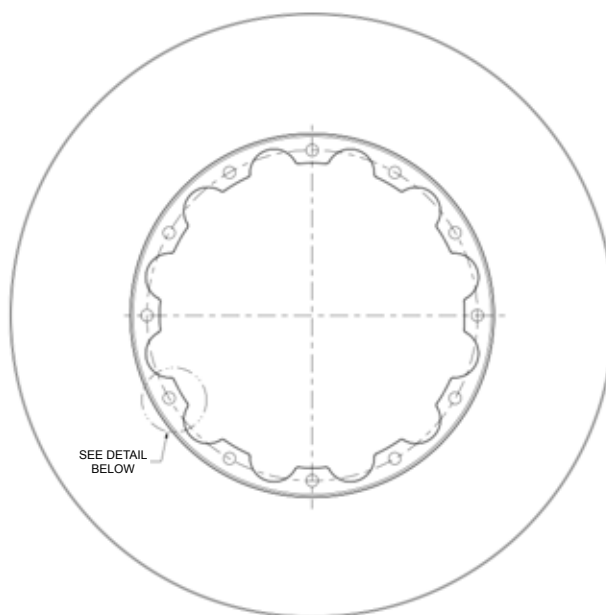


DBA Part No. **DBA 52218.1** (Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A Diameter (mm)	320
B Thickness (mm)	32
C Annulus (mm) (Maximum useable pad width)	64
D Air Gap (mm)	14
E Offset (mm)	- 6.35
F Dia. & No. of Bolt holes (mm)	8 (x12)
Weight (kg)	8.2



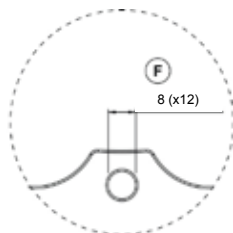
Vent Design



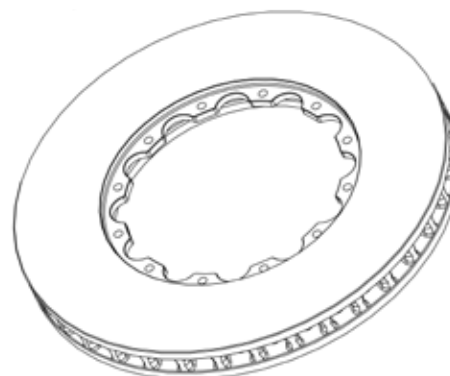
Kangaroo Paw



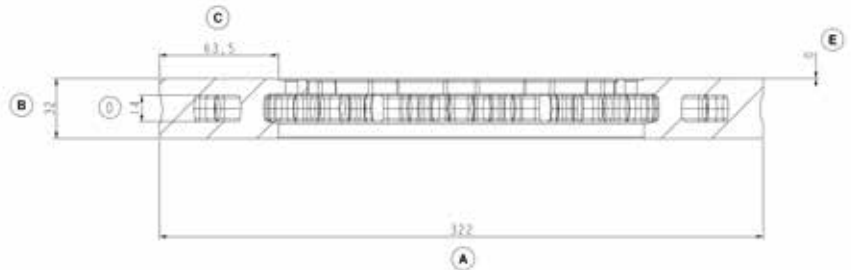
KANGAROO PAW



**'ROUND' HOLE
DETAIL**

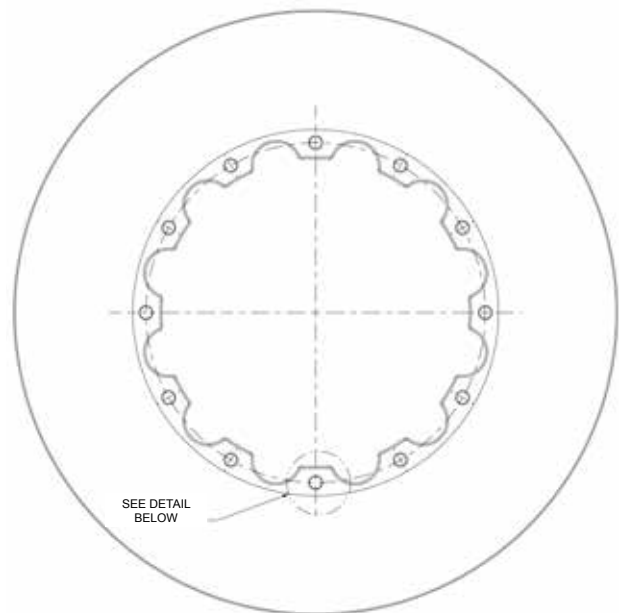


DBA Part No. **DBA 52390.1** (Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A Diameter (mm)	322
B Thickness (mm)	32
C Annulus (mm) (Maximum useable pad width)	63.5
D Air Gap (mm)	14
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	8.07



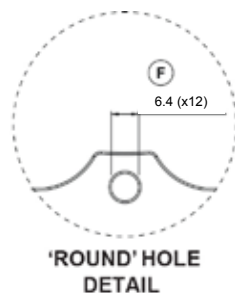
Vent Design



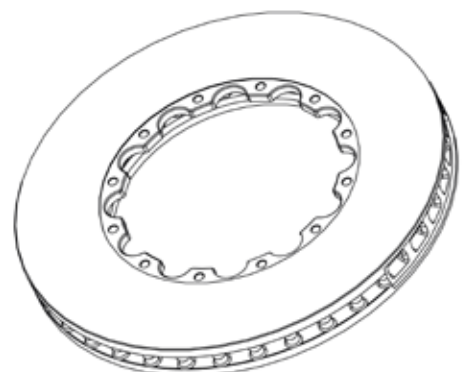
Kangaroo Paw



KANGAROO PAW

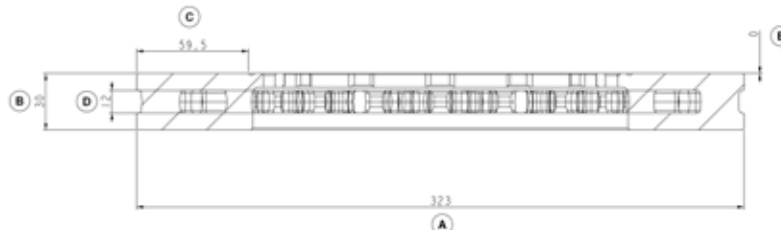


**'ROUND' HOLE
DETAIL**



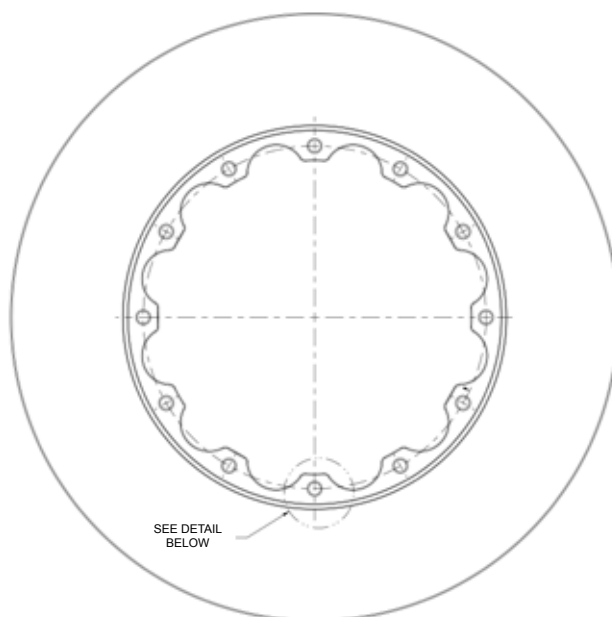
DBA Part No. **DBA 5718.1**

(Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A Diameter (mm)	323
B Thickness (mm)	30
C Annulus (mm) (Maximum useable pad width)	59.5
D Air Gap (mm)	12
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x12)

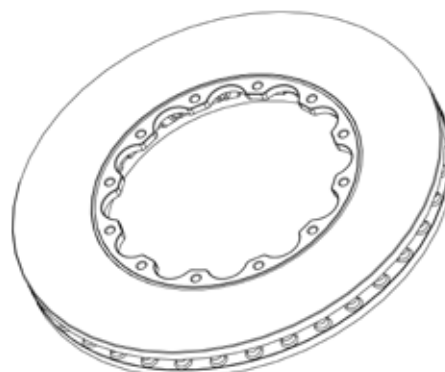
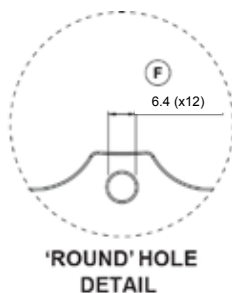


Weight (kg) **7.98**

Vent Design

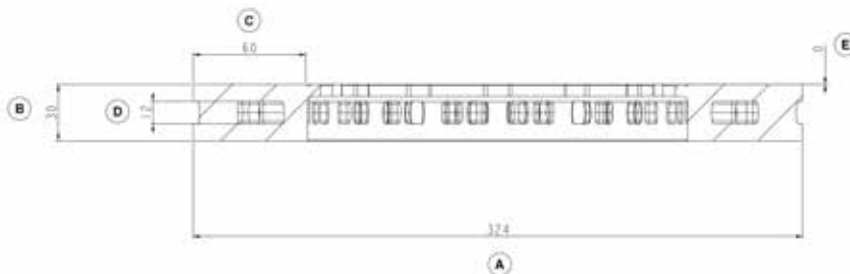


Kangaroo Paw



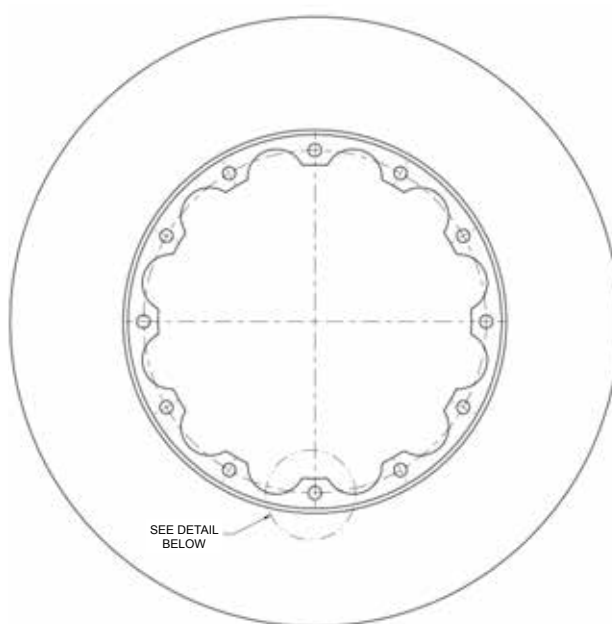
DBA Part No. **DBA 5928.1**

(Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A	Diameter (mm)	324
B	Thickness (mm)	30
C	Annulus (mm) (Maximum useable pad width)	60
D	Air Gap (mm)	12
E	Offset (mm)	0
F	Dia. & No. of Bolt holes (mm)	6.4 (x12)
	Weight (kg)	7.93



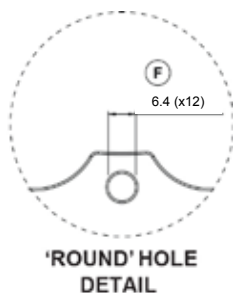
Vent Design



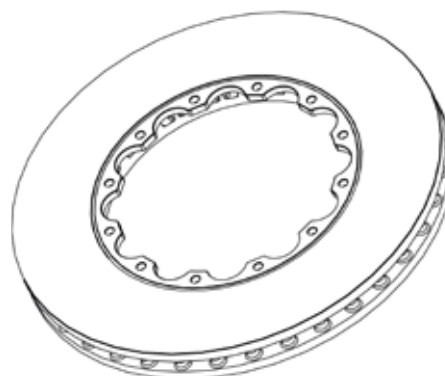
Kangaroo Paw



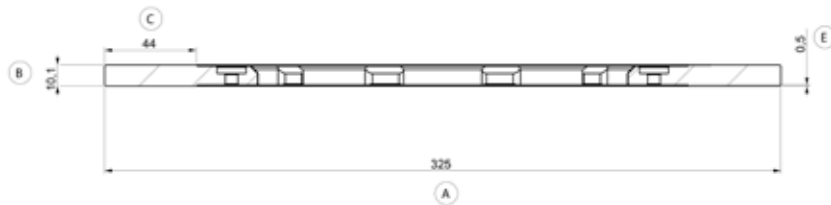
KANGAROO PAW



**'ROUND' HOLE
DETAIL**

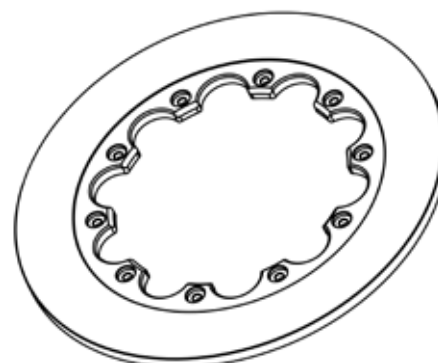
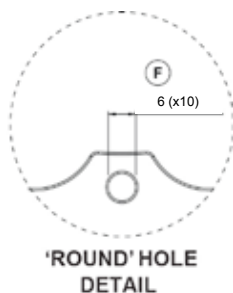
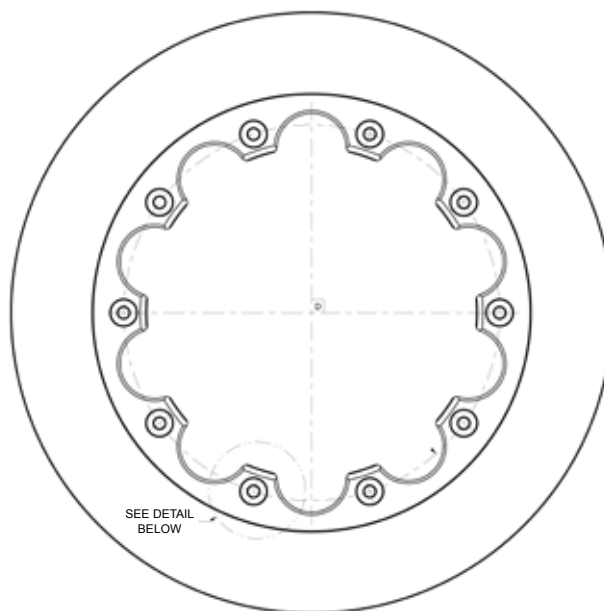


DBA Part No. **DBA 2979.1**

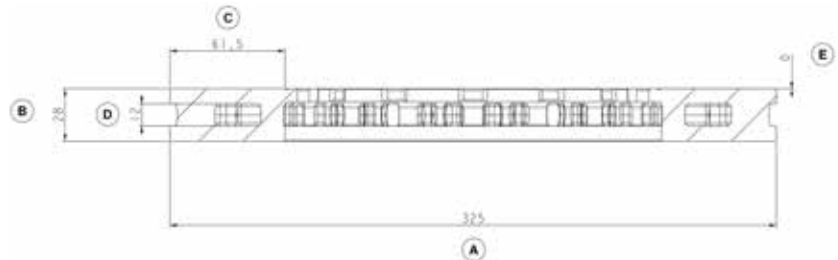


Technical Specifications

A Diameter (mm)	325
B Thickness (mm)	10.1
C Annulus (mm) (Maximum useable pad width)	44
D Air Gap (mm)	0
E Offset (mm)	0.5
F Dia. & No. of Bolt holes (mm)	6 (x10)
Weight (kg)	3.6
Vent Design	Solid

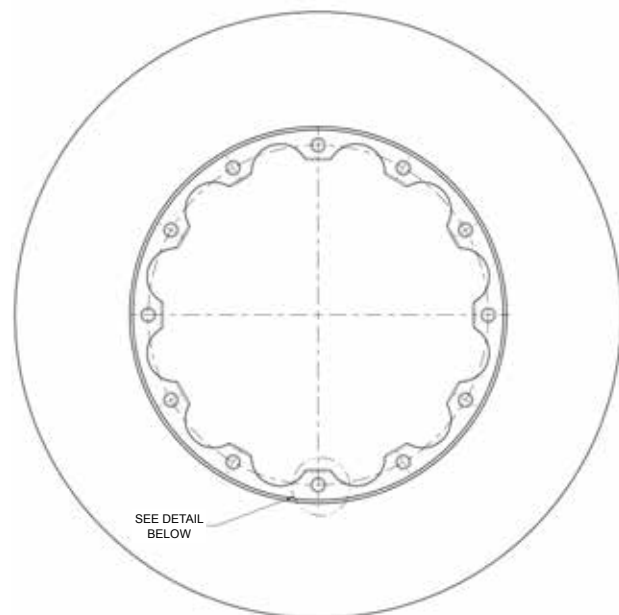


DBA Part No. **DBA 52880.1** (Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A	Diameter (mm)	325
B	Thickness (mm)	28
C	Annulus (mm) (Maximum useable pad width)	61.5
D	Air Gap (mm)	12
E	Offset (mm)	0
F	Dia. & No. of Bolt holes (mm)	6.4 (x12)
	Weight (kg)	7.28



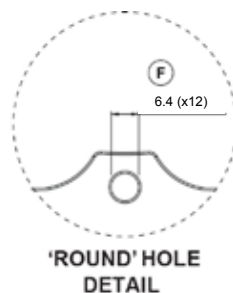
Vent Design



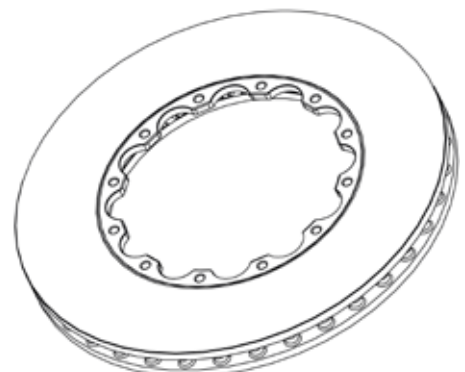
Kangaroo Paw



KANGAROO PAW



'ROUND' HOLE DETAIL

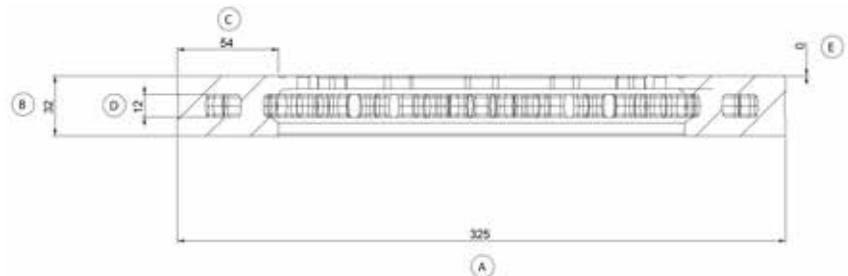


DBA Part Nos.

DBA 5067.1

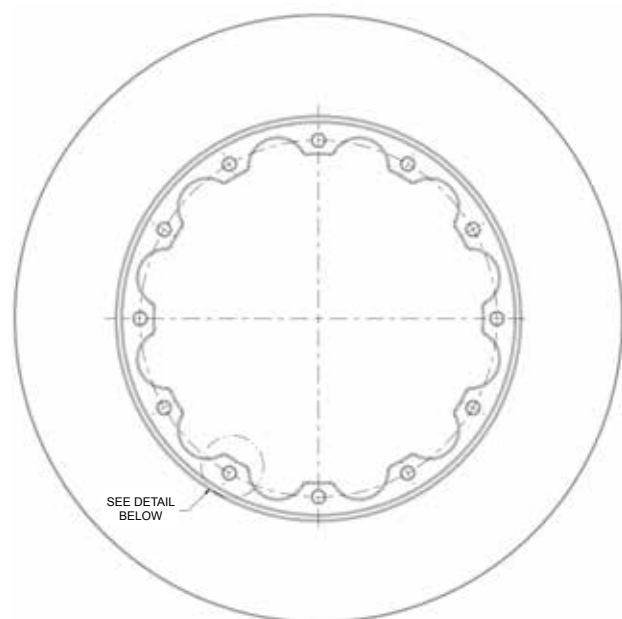
DBA 52994.1

(Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A Diameter (mm)	325
B Thickness (mm)	32
C Annulus (mm) (Maximum useable pad width)	54
D Air Gap (mm)	12
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	7.92



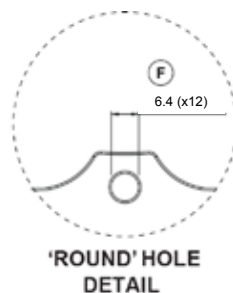
Vent Design



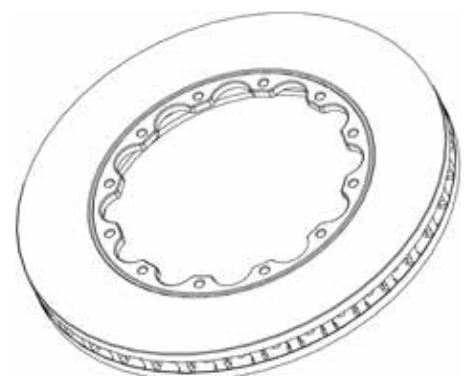
Kangaroo Paw



KANGAROO PAW

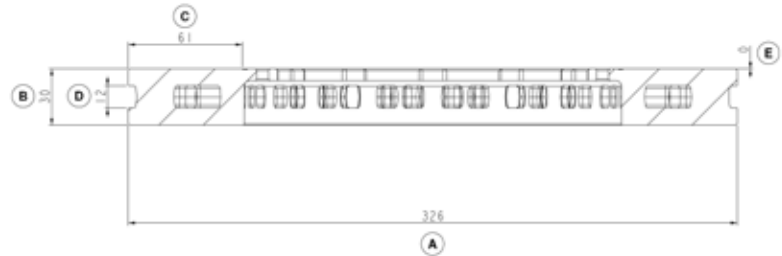


**'ROUND' HOLE
DETAIL**



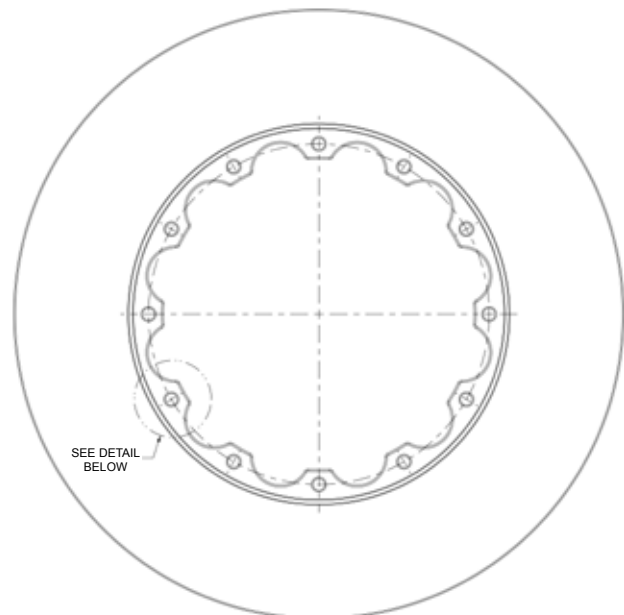
DBA Part No. **DBA 5654.1**

(Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A	Diameter (mm)	326
B	Thickness (mm)	30
C	Annulus (mm) (Maximum useable pad width)	61
D	Air Gap (mm)	12
E	Offset (mm)	0
F	Dia. & No. of Bolt holes (mm)	6.4 (x12)
	Weight (kg)	8.04



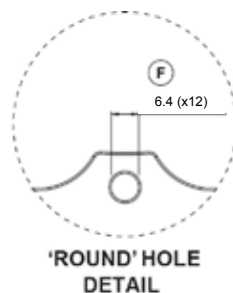
Vent Design



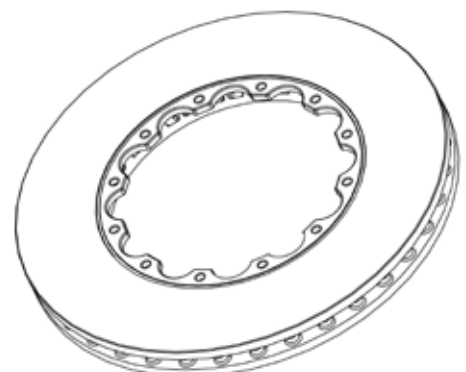
Kangaroo Paw



KANGAROO PAW

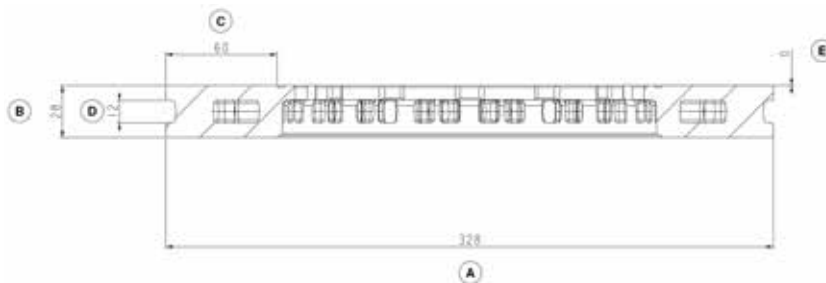


'ROUND' HOLE DETAIL



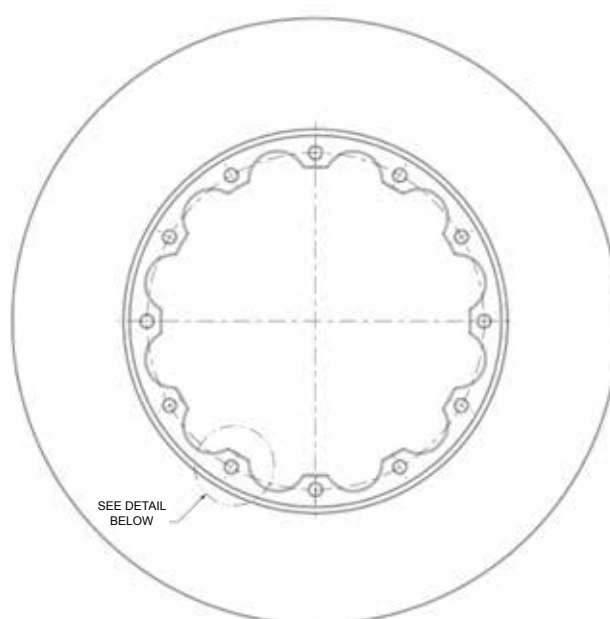
DBA Part No. **DBA 5046.1**

(Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A Diameter (mm)	328
B Thickness (mm)	28
C Annulus (mm) (Maximum useable pad width)	60
D Air Gap (mm)	12
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	7.47



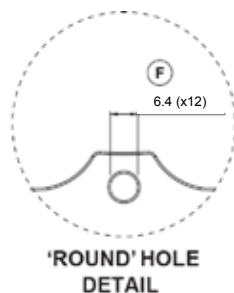
Vent Design



Kangaroo Paw



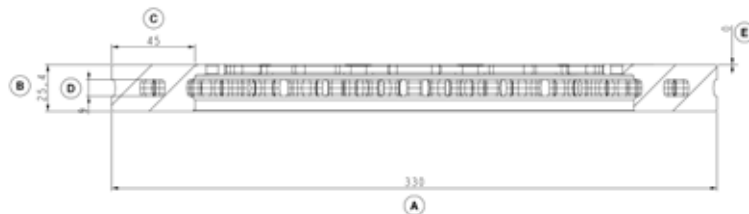
KANGAROO PAW



**'ROUND' HOLE
DETAIL**

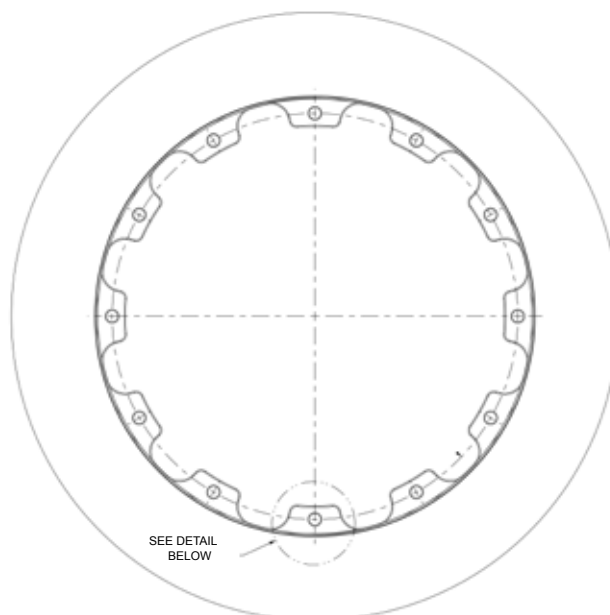


DBA Part No. **DBA 57330.1**



Technical Specifications

A Diameter (mm)	330
B Thickness (mm)	25.4
C Annulus (mm) (Maximum useable pad width)	45
D Air Gap (mm)	9
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	5.6



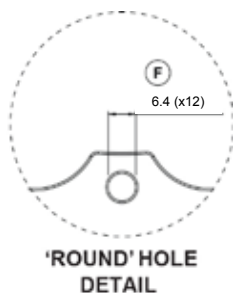
Vent Design



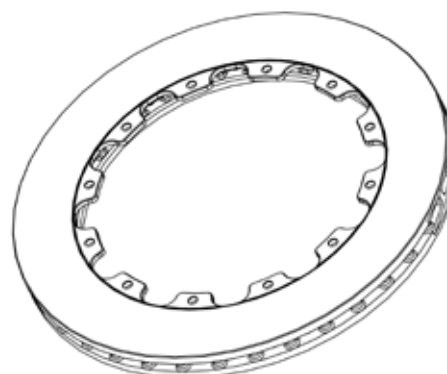
Kangaroo Paw



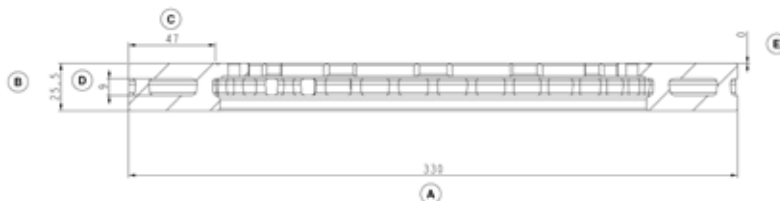
KANGAROO PAW



**'ROUND' HOLE
DETAIL**

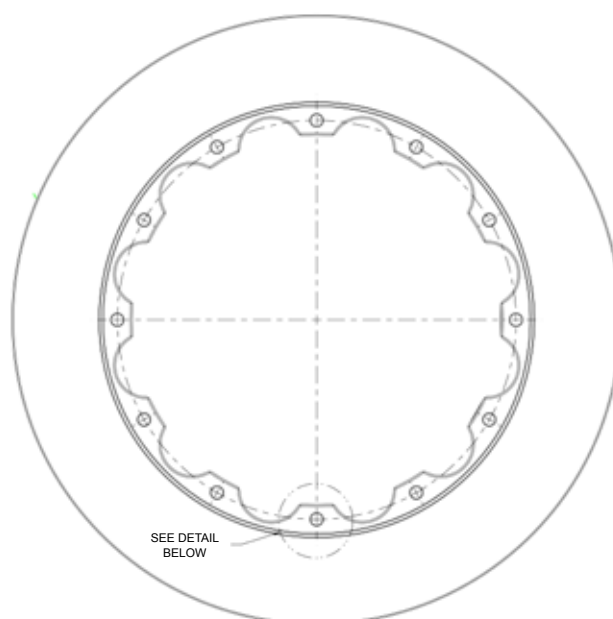


DBA Part No. **DBA 52349.1**



Technical Specifications

A Diameter (mm)	330
B Thickness (mm)	25.5
C Annulus (mm) (Maximum useable pad width)	47
D Air Gap (mm)	9
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x12)



Weight (kg) **6.18**

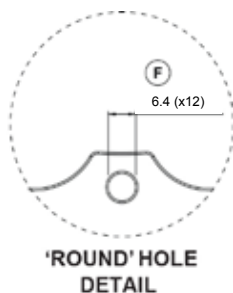
Vent Design



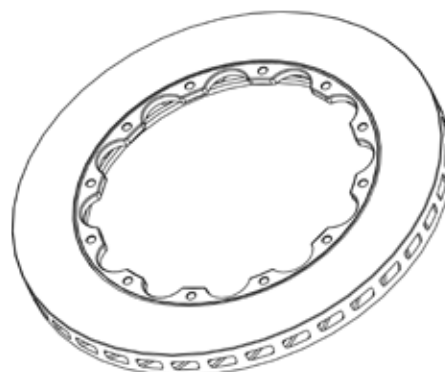
Kangaroo Paw



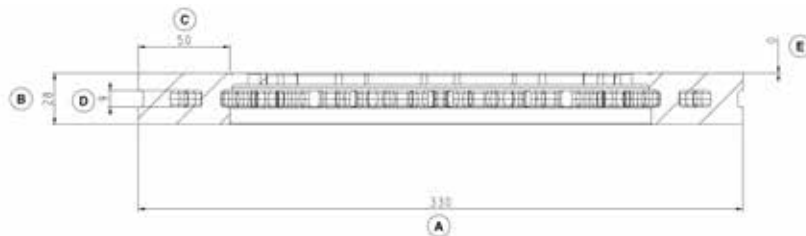
KANGAROO PAW



**'ROUND' HOLE
DETAIL**

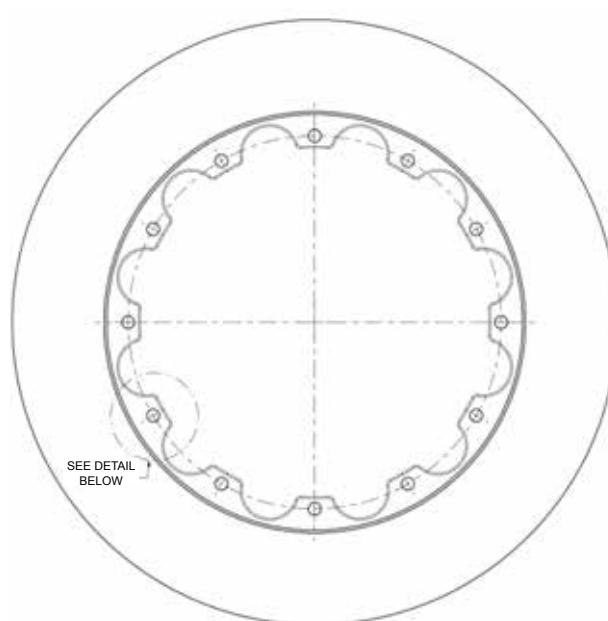


DBA Part No. **DBA 52935.1**



Technical Specifications

A Diameter (mm)	330
B Thickness (mm)	28
C Annulus (mm) (Maximum useable pad width)	50
D Air Gap (mm)	9
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x12)



Weight (kg) **7.03**

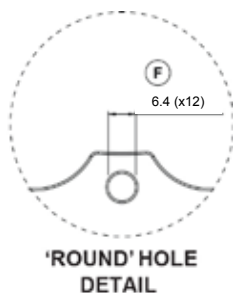
Vent Design



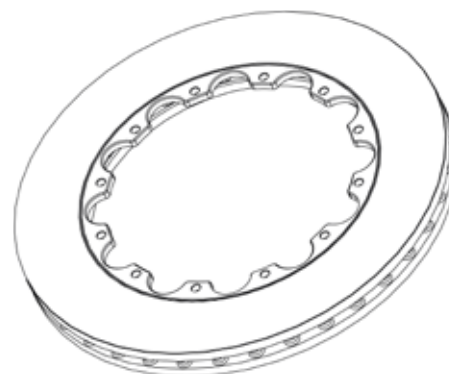
Kangaroo Paw



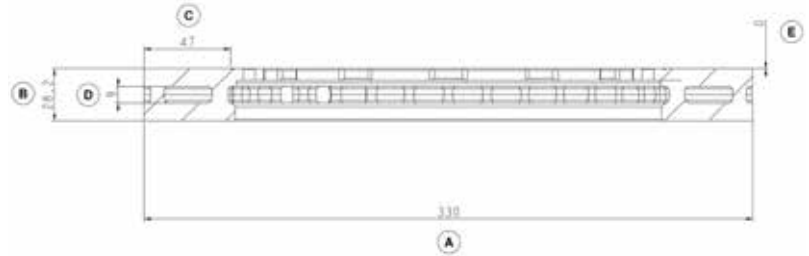
KANGAROO PAW



**'ROUND' HOLE
DETAIL**

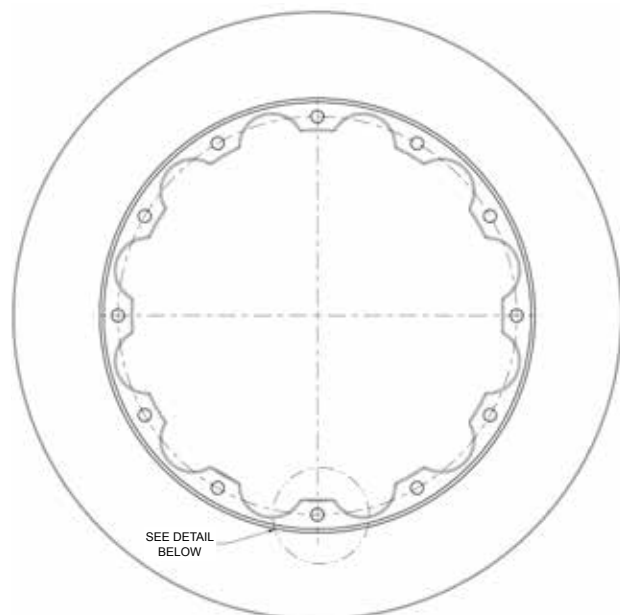


DBA Part No. **DBA 57830.1**



Technical Specifications

A Diameter (mm)	330
B Thickness (mm)	28.2
C Annulus (mm) (Maximum useable pad width)	47
D Air Gap (mm)	9
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	6.99



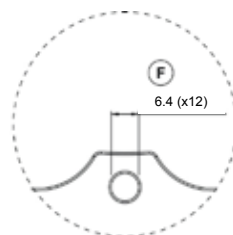
Vent Design



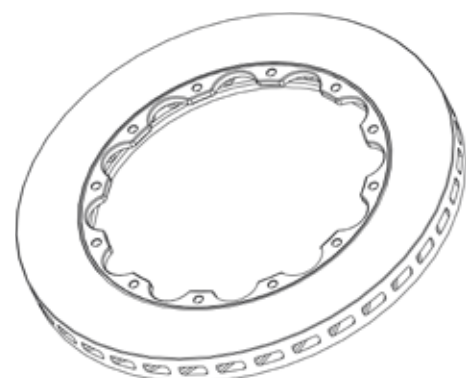
Kangaroo Paw



KANGAROO PAW



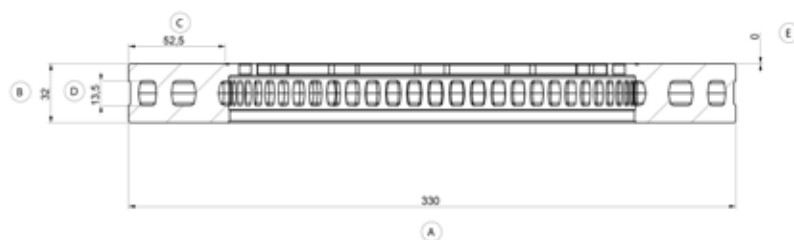
**'ROUND' HOLE
DETAIL**



DBA Part Nos.

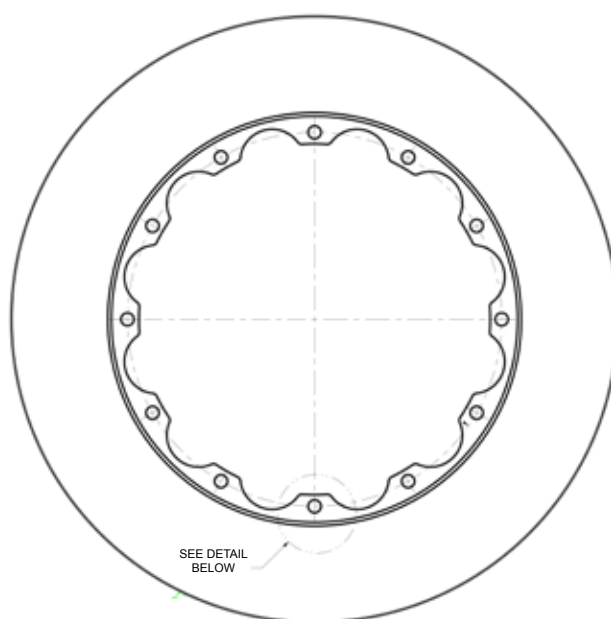
DBA 57904.1L

DBA 57904.1R



Technical Specifications

A Diameter (mm)	330
B Thickness (mm)	32
C Annulus (mm) (Maximum useable pad width)	52.5
D Air Gap (mm)	9.5
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x12)

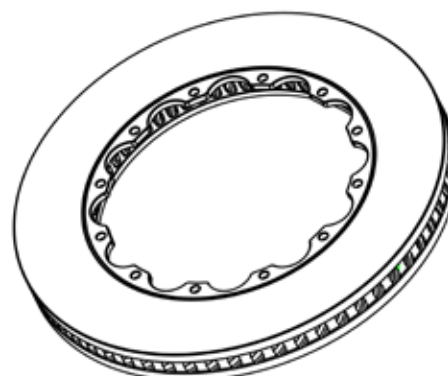
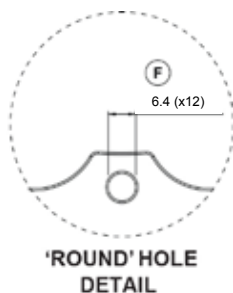
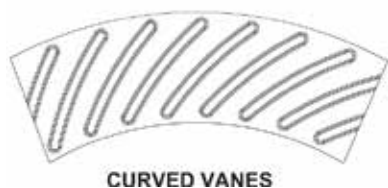


Weight (kg) **8.68**

Vent Design



Curved Vanes

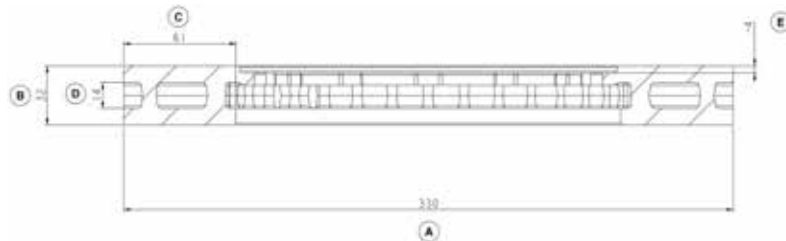


DBA Part Nos.

DBA 5048.1L

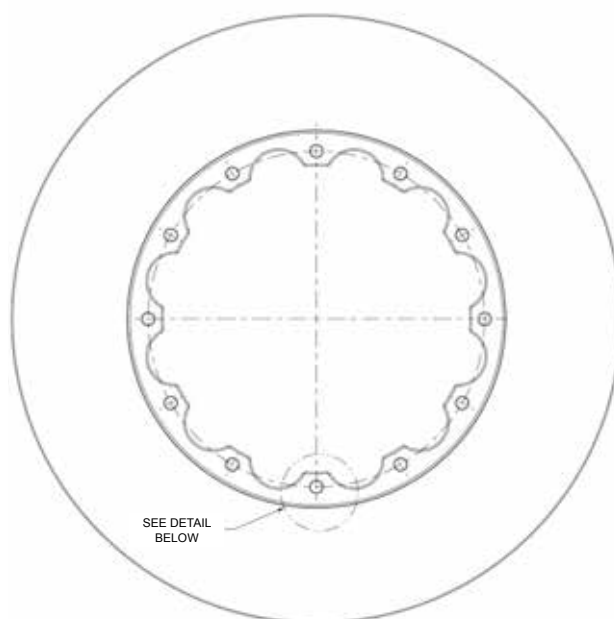
DBA 5048.1R

(Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A Diameter (mm)	330
B Thickness (mm)	32
C Annulus (mm) (Maximum useable pad width)	61
D Air Gap (mm)	14
E Offset (mm)	- 4
F Dia. & No. of Bolt holes (mm)	6.4 (x12)

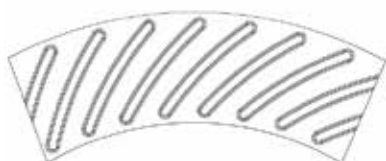


Weight (kg) **8.46**

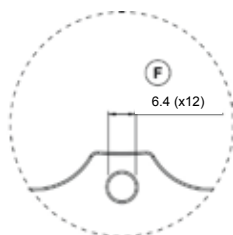
Vent Design



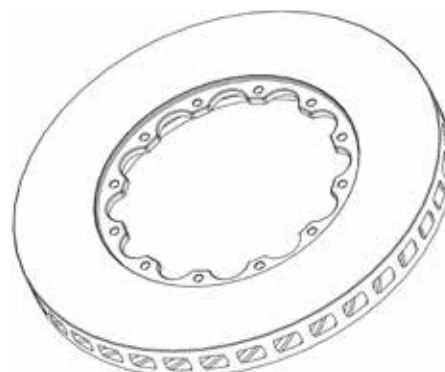
Curved Vanes



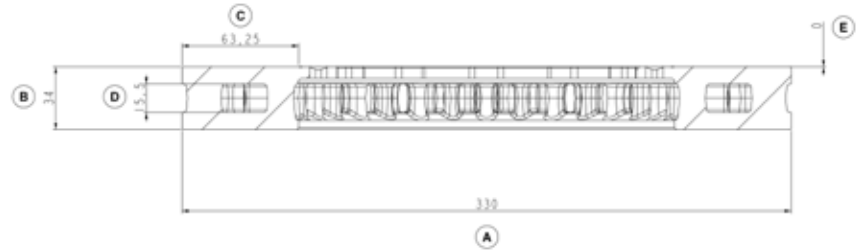
CURVED VANES



**'ROUND' HOLE
DETAIL**

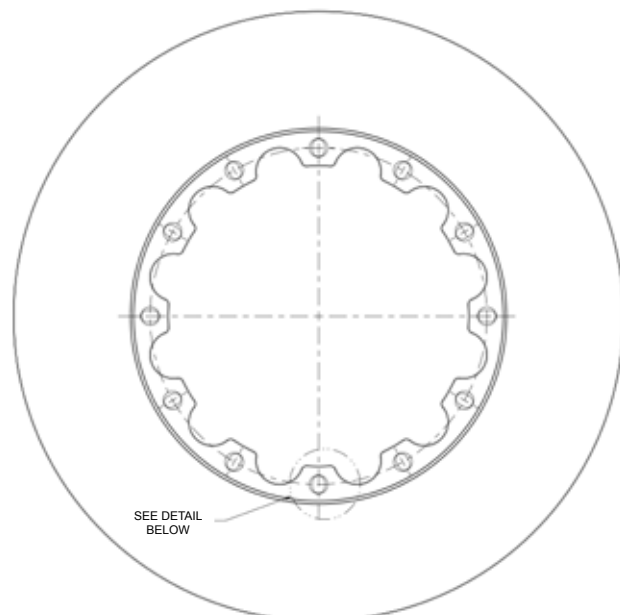


DBA Part No. **DBA 52386.1** (Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A Diameter (mm)	330
B Thickness (mm)	34
C Annulus (mm) (Maximum useable pad width)	63.25
D Air Gap (mm)	15.5
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	8.93



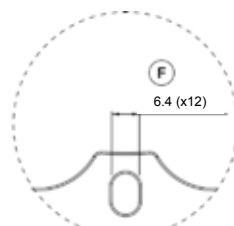
Vent Design



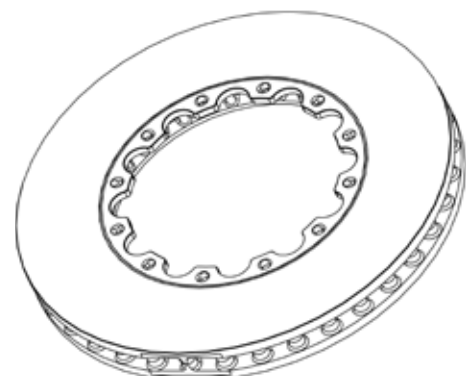
Kangaroo Paw



KANGAROO PAW



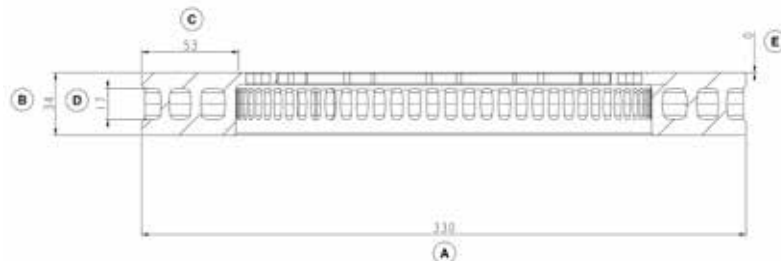
**'ELONGATED' HOLE
DETAIL**




DBA Part Nos.

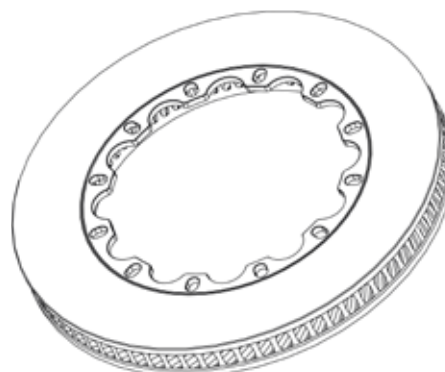
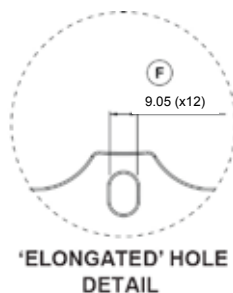
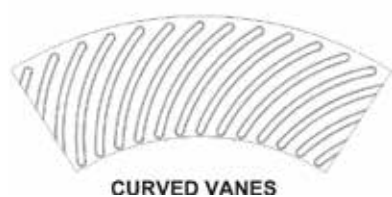
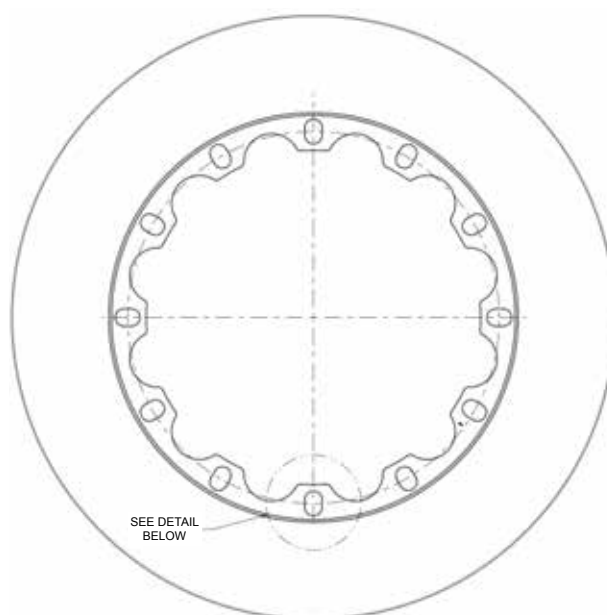
DBA 5100.1L

DBA 5100.1R

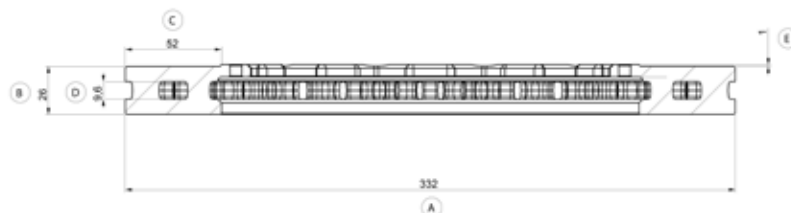


Technical Specifications

A Diameter (mm)	330
B Thickness (mm)	34
C Annulus (mm) (Maximum useable pad width)	53
D Air Gap (mm)	17
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	9.05 (x12)
Weight (kg)	7.8
Vent Design	 Curved Vanes

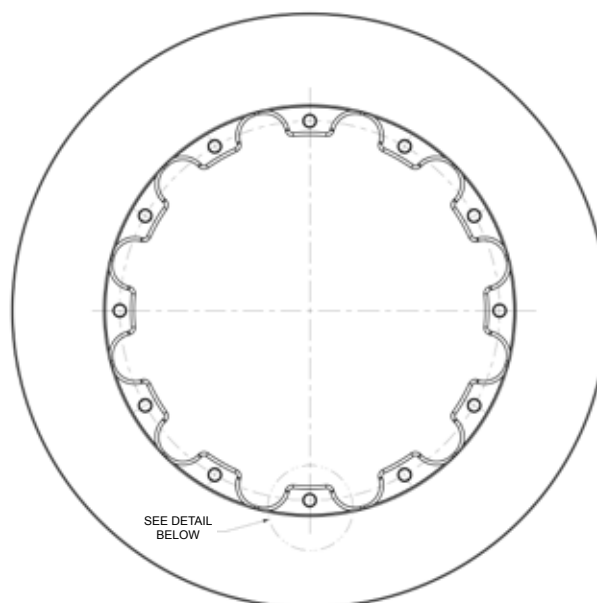


DBA Part No. **DBA 52903.1**



Technical Specifications

A	Diameter (mm)	332
B	Thickness (mm)	26
C	Annulus (mm) (Maximum useable pad width)	52
D	Air Gap (mm)	9.6
E	Offset (mm)	+ 1
F	Dia. & No. of Bolt holes (mm)	6.4 (x12)
	Weight (kg)	6.2



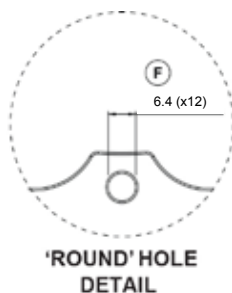
Vent Design



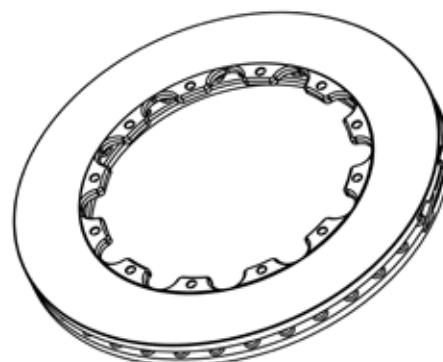
Kangaroo Paw



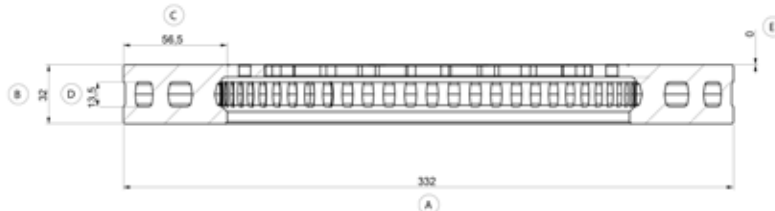
KANGAROO PAW




**'ROUND' HOLE
DETAIL**

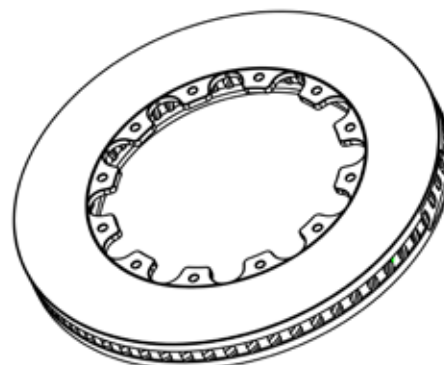
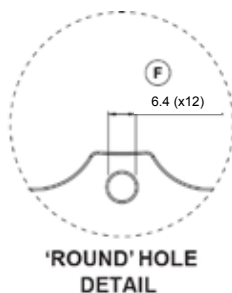
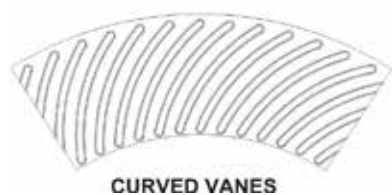
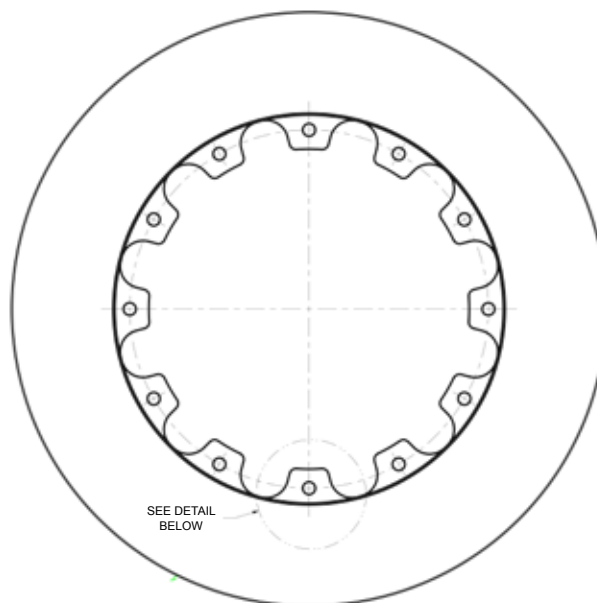


DBA Part Nos.
DBA 52908.1L
DBA 52908.1R



Technical Specifications

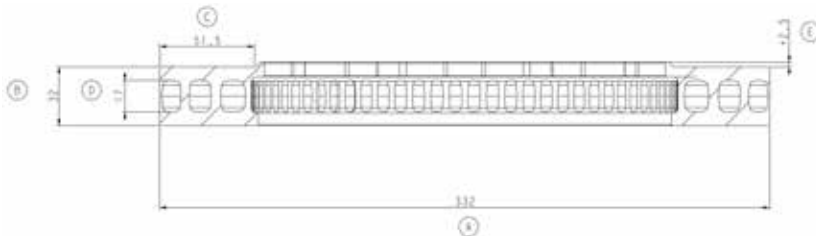
A Diameter (mm)	332
B Thickness (mm)	32
C Annulus (mm) (Maximum useable pad width)	56.5
D Air Gap (mm)	13.5
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	8.85
Vent Design	 Curved Vanes




DBA Part Nos.

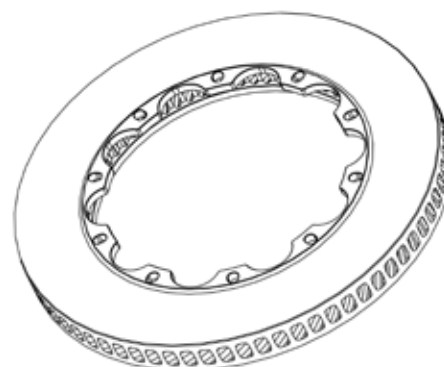
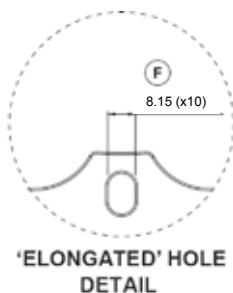
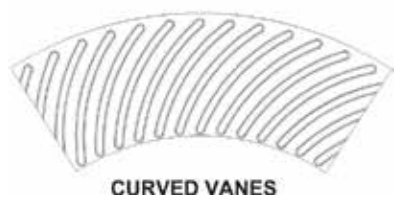
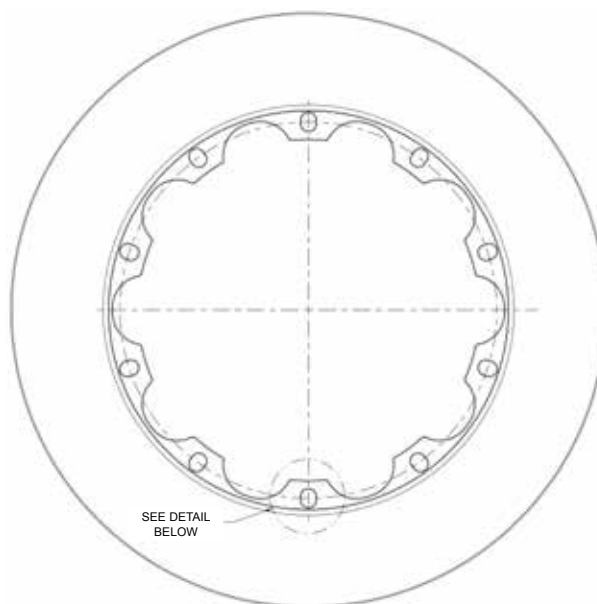
DBA 57888.1L

DBA 57888.1R

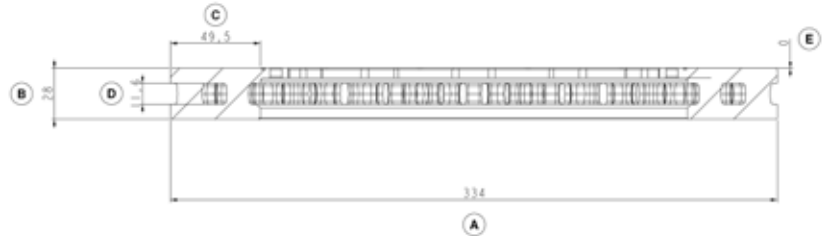


Technical Specifications

A Diameter (mm)	332
B Thickness (mm)	32
C Annulus (mm) (Maximum useable pad width)	51.5
D Air Gap (mm)	17
E Offset (mm)	+ 2.5
F Dia. & No. of Bolt holes (mm)	8.15 (x10)
Weight (kg)	7.25
Vent Design	 Curved Vanes

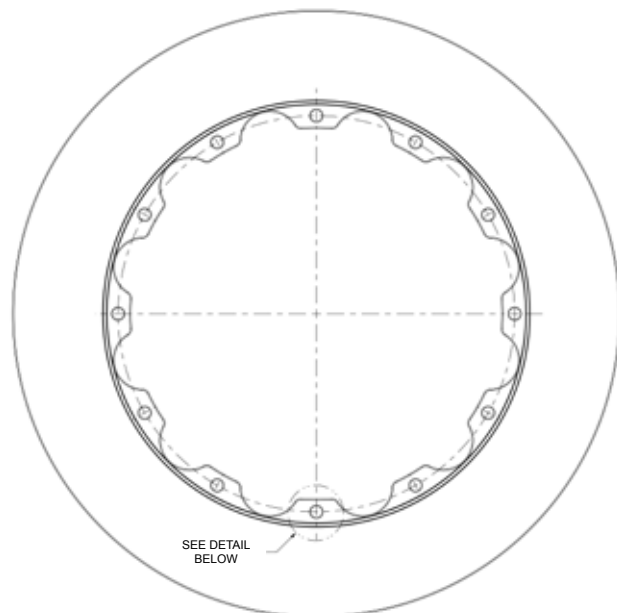


DBA Part No. **DBA 52901.1** (Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A Diameter (mm)	334
B Thickness (mm)	28
C Annulus (mm) (Maximum useable pad width)	49.5
D Air Gap (mm)	11.6
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	5.98



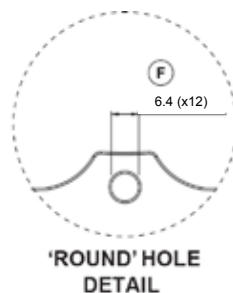
Vent Design



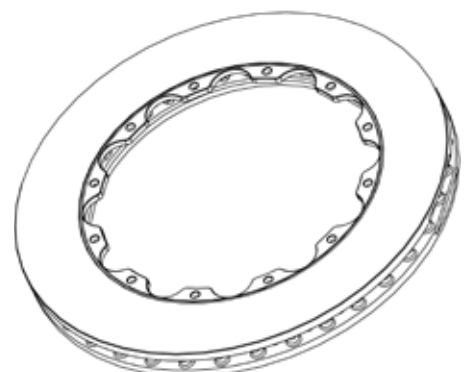
Kangaroo Paw



KANGAROO PAW



'ROUND' HOLE DETAIL



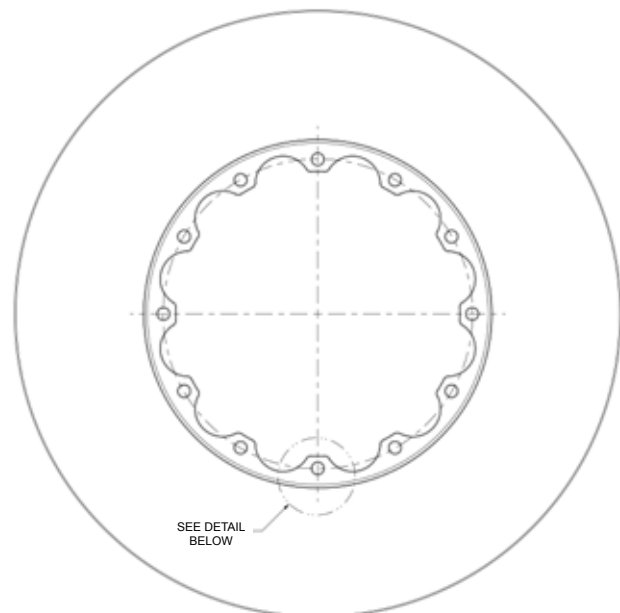
DBA Part Nos.
DBA 52828.1L
DBA 52828.1R

(Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

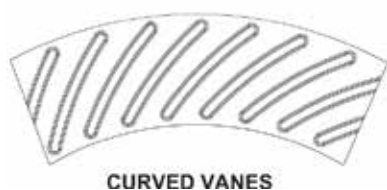
A Diameter (mm)	334
B Thickness (mm)	32
C Annulus (mm) (Maximum useable pad width)	71.5
D Air Gap (mm)	12
E Offset (mm)	- 6.4
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	10.13



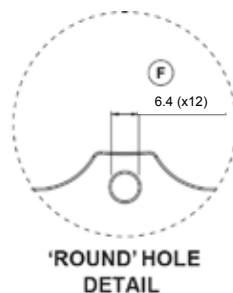
Vent Design



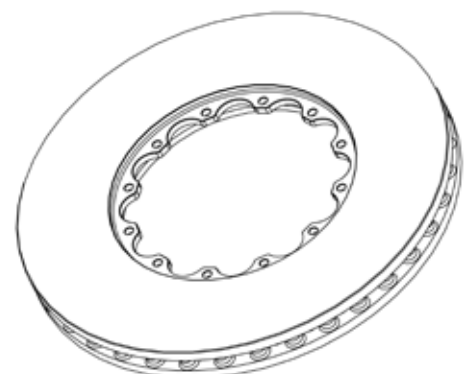
Curved Vanes



CURVED VANES



**'ROUND' HOLE
DETAIL**

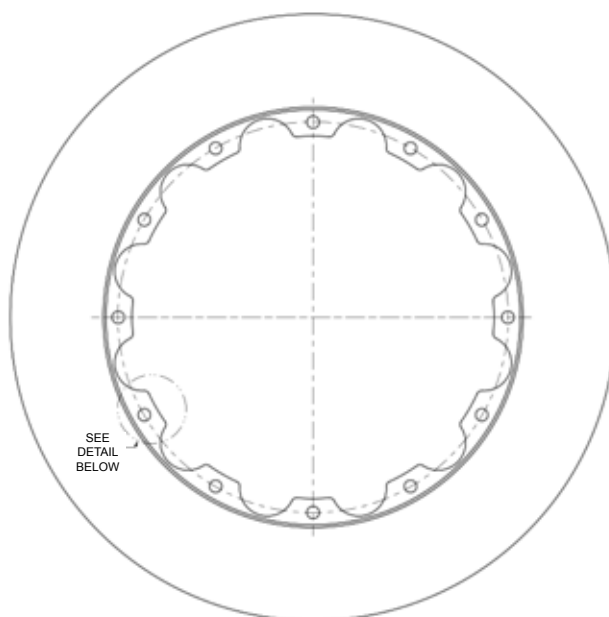


DBA Part No. **DBA 52199.1** (Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

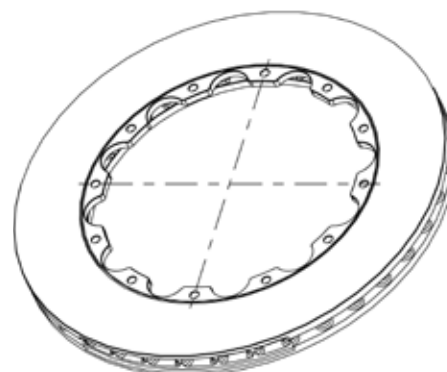
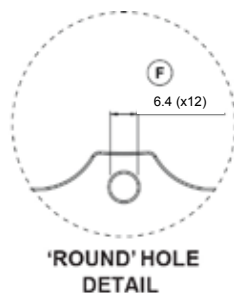
A Diameter (mm)	336
B Thickness (mm)	24
C Annulus (mm) (Maximum useable pad width)	51.5
D Air Gap (mm)	9
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	6.03



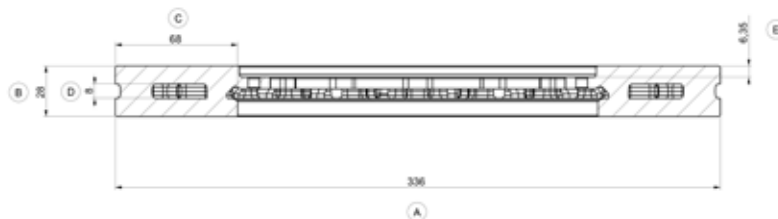
Vent Design



Kangaroo Paw

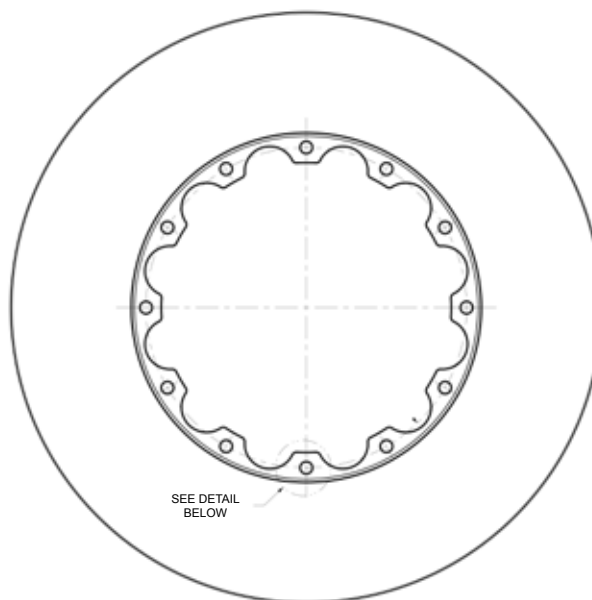


DBA Part No. **DBA 52134.1**



Technical Specifications

A	Diameter (mm)	336
B	Thickness (mm)	28
C	Annulus (mm) (Maximum useable pad width)	68
D	Air Gap (mm)	8
E	Offset (mm)	- 6.35
F	Dia. & No. of Bolt holes (mm)	6.4 (x12)
	Weight (kg)	9.3



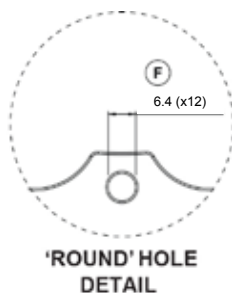
Vent Design



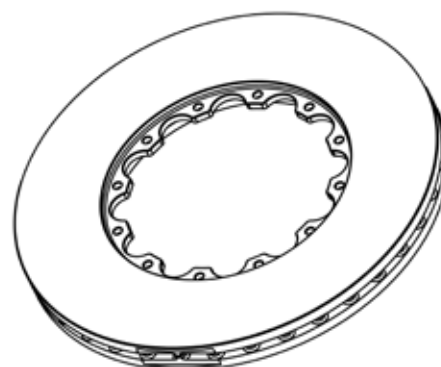
Kangaroo Paw



KANGAROO PAW



**'ROUND' HOLE
DETAIL**

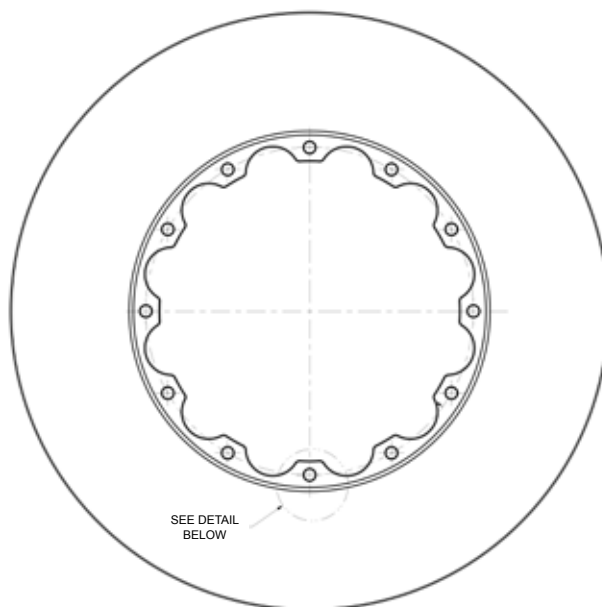


DBA Part No. **DBA 52830.1**



Technical Specifications

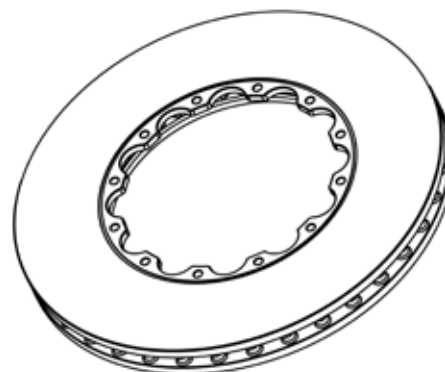
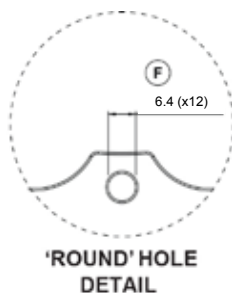
A Diameter (mm)	340
B Thickness (mm)	30
C Annulus (mm) (Maximum useable pad width)	68
D Air Gap (mm)	12
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	8.93



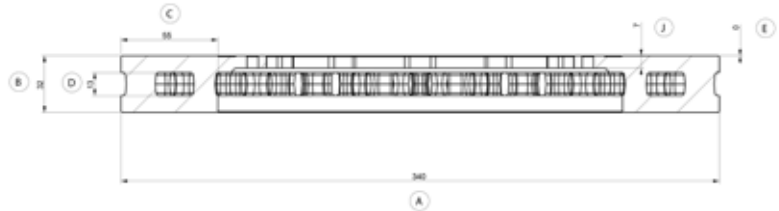
Vent Design



Kangaroo Paw

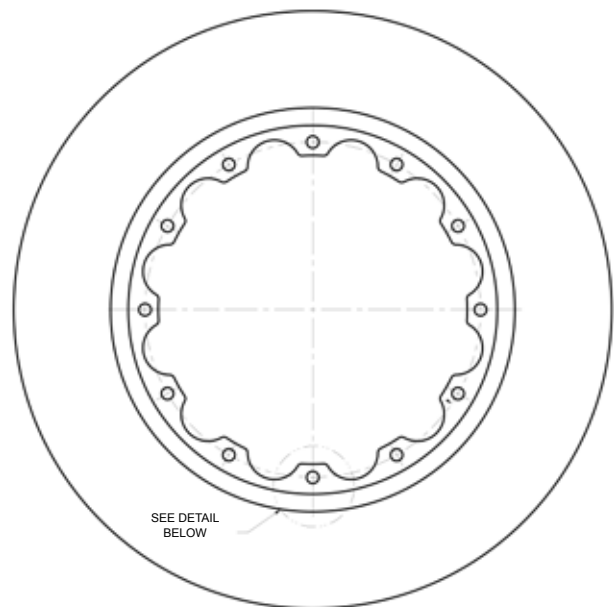


DBA Part No. **DBA 52990.1**



Technical Specifications

A	Diameter (mm)	340
B	Thickness (mm)	32
C	Annulus (mm) (Maximum useable pad width)	55
D	Air Gap (mm)	13
E	Offset (mm)	0
F	Dia. & No. of Bolt holes (mm)	6.4 (x12)



Weight (kg) **8.63**

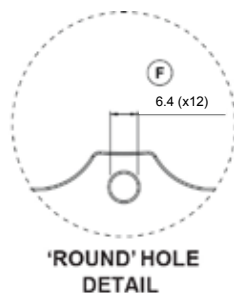
Vent Design



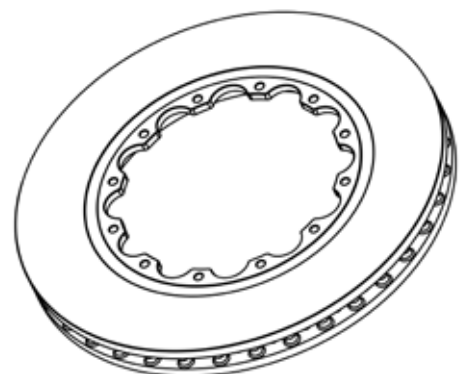
Kangaroo Paw



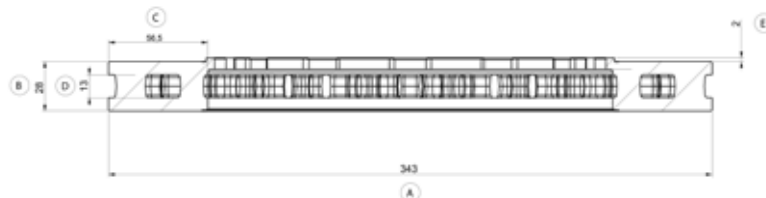
KANGAROO PAW



**'ROUND' HOLE
DETAIL**

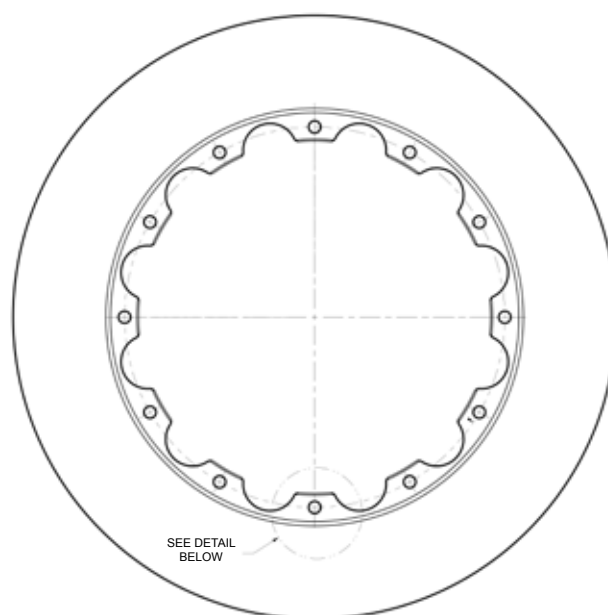


DBA Part No. **DBA 52918.1**



Technical Specifications

A Diameter (mm)	343
B Thickness (mm)	28
C Annulus (mm) (Maximum useable pad width)	56.5
D Air Gap (mm)	13
E Offset (mm)	2
F Dia. & No. of Bolt holes (mm)	6.4 (x12)



Weight (kg) **6.9**

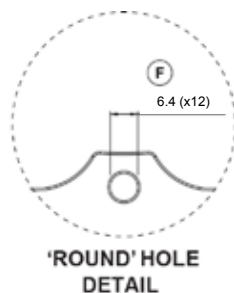
Vent Design



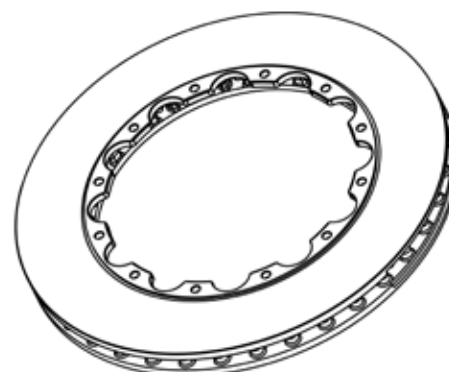
Kangaroo Paw



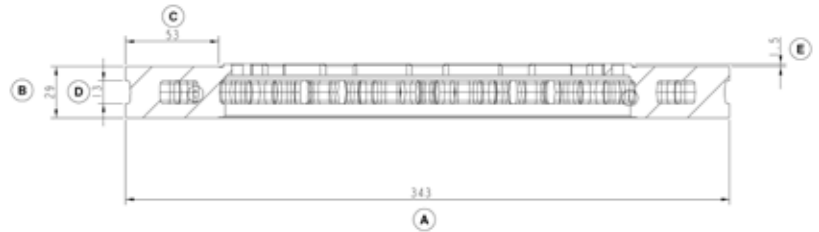
KANGAROO PAW



**'ROUND' HOLE
DETAIL**

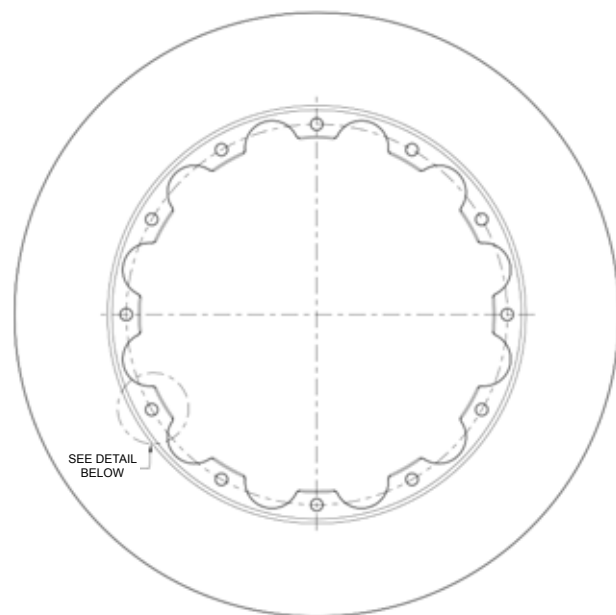


DBA Part No. **DBA 52196.1** (Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A Diameter (mm)	343
B Thickness (mm)	29
C Annulus (mm) (Maximum useable pad width)	53
D Air Gap (mm)	13
E Offset (mm)	+ 1.5
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	7.28



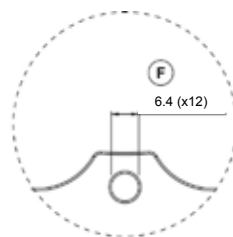
Vent Design



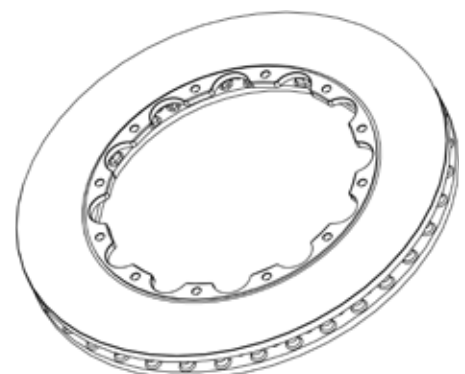
Kangaroo Paw



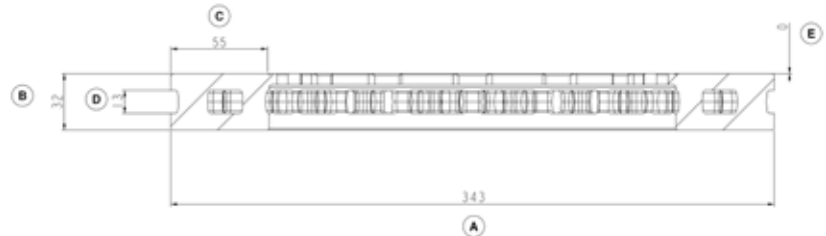
KANGAROO PAW



**'ROUND' HOLE
DETAIL**

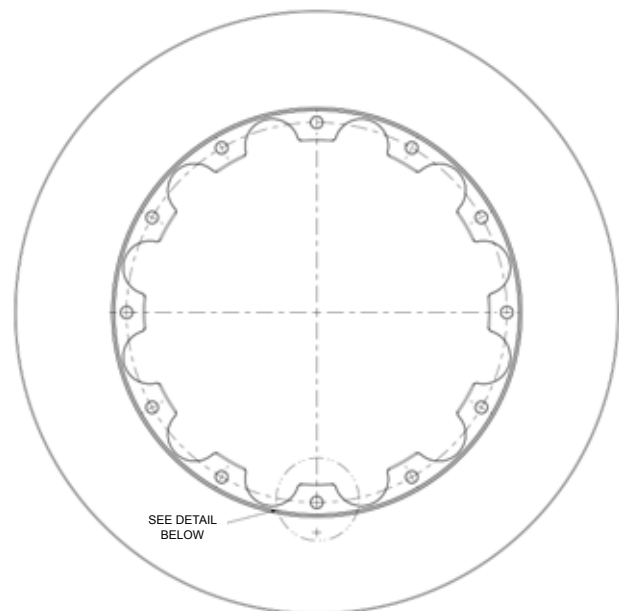


DBA Part No. **DBA 7056.1**



Technical Specifications

A Diameter (mm)	343
B Thickness (mm)	32
C Annulus (mm) (Maximum useable pad width)	55
D Air Gap (mm)	13
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	8.32



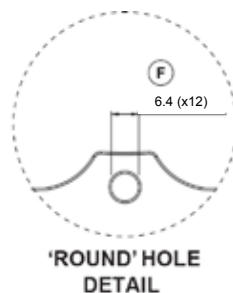
Vent Design



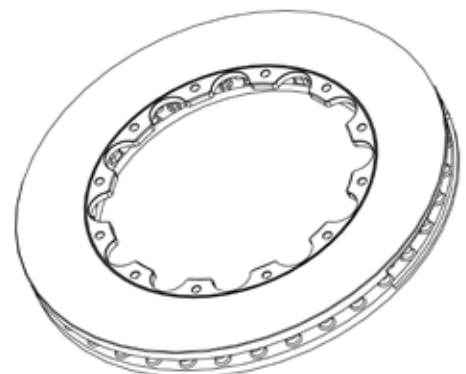
Kangaroo Paw



KANGAROO PAW

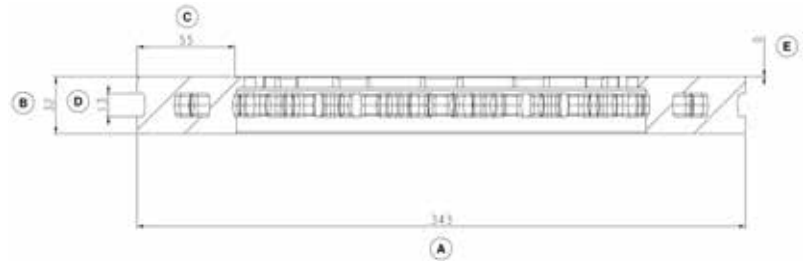


**'ROUND' HOLE
DETAIL**



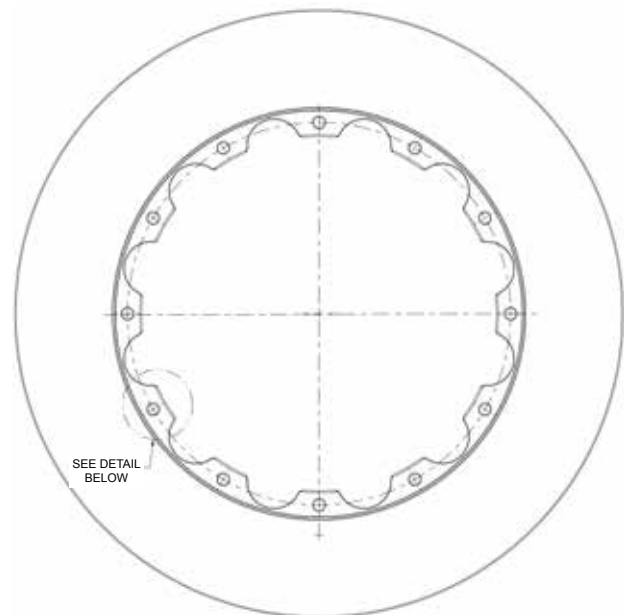
DBA Part No. **DBA 5055.1**

(Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A Diameter (mm)	343
B Thickness (mm)	32
C Annulus (mm) (Maximum useable pad width)	55
D Air Gap (mm)	13
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	8.29



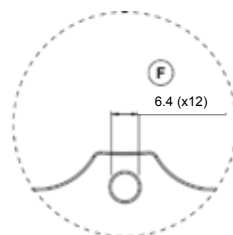
Vent Design



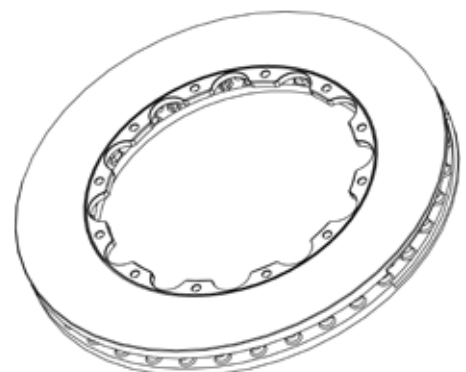
Kangaroo Paw



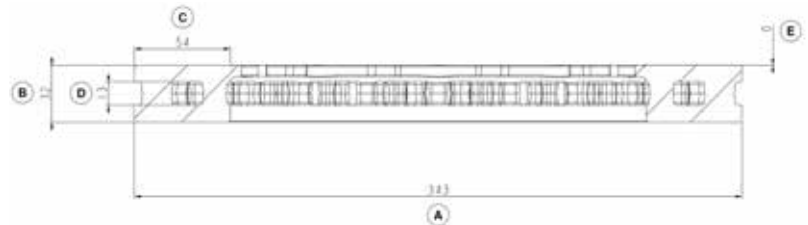
KANGAROO PAW



**'ROUND' HOLE
DETAIL**

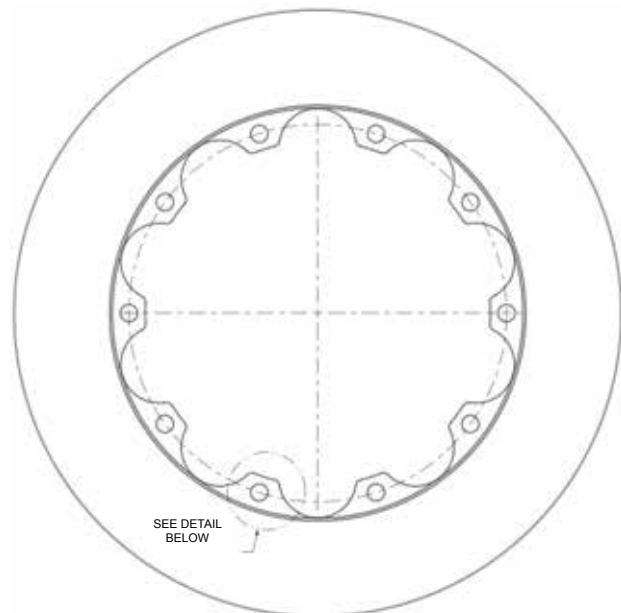


DBA Part No. **DBA 52939.1** (Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A Diameter (mm)	343
B Thickness (mm)	32
C Annulus (mm) (Maximum useable pad width)	54
D Air Gap (mm)	13
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	9 x (10)
Weight (kg)	8.14



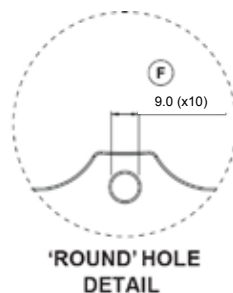
Vent Design



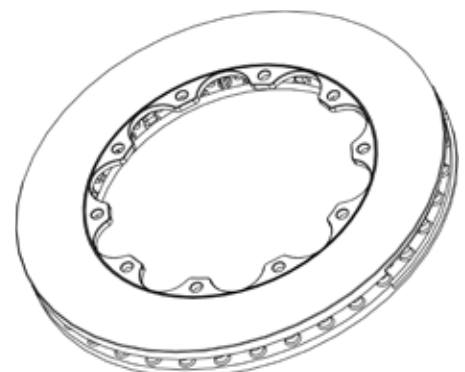
Kangaroo Paw



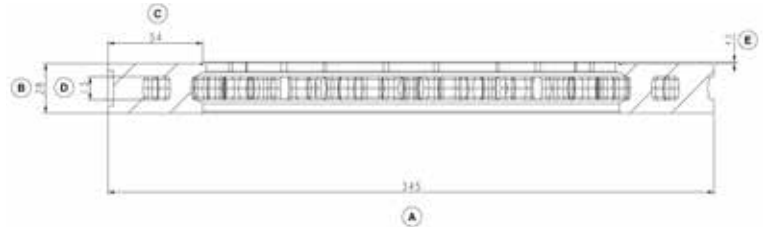
KANGAROO PAW



**'ROUND' HOLE
DETAIL**

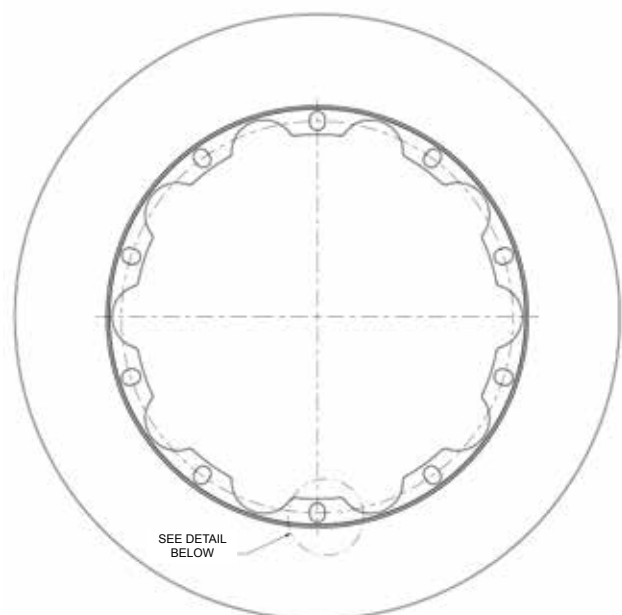


DBA Part No. **DBA 52915.1**



Technical Specifications

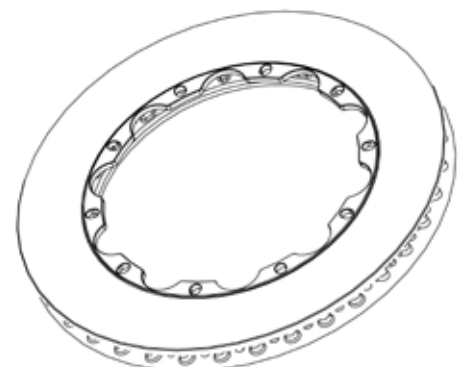
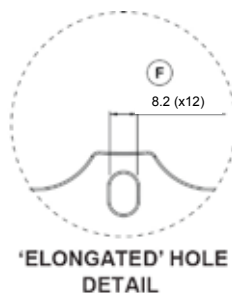
A	Diameter (mm)	345
B	Thickness (mm)	28
C	Annulus (mm) (Maximum useable pad width)	54
D	Air Gap (mm)	13
E	Offset (mm)	+ 1
F	Dia. & No. of Bolt holes (mm)	8.2 (x12)
	Weight (kg)	6.68



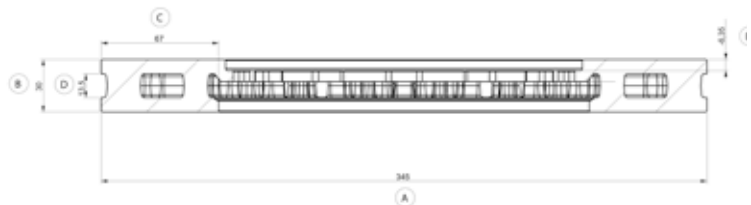
Vent Design



Kangaroo Paw

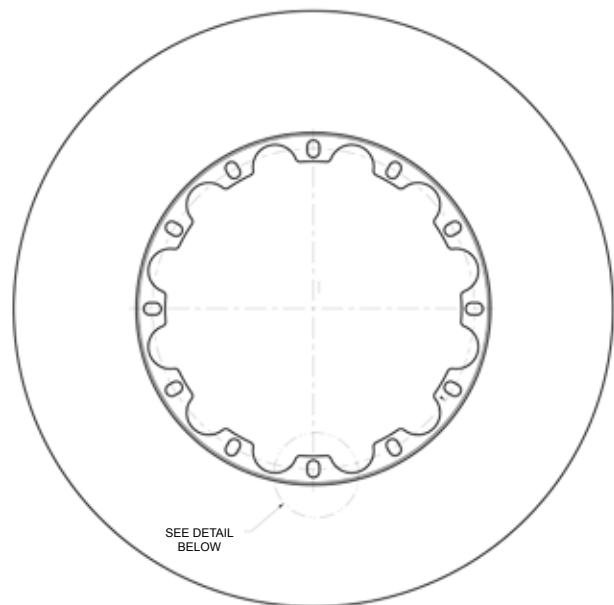


DBA Part No. **DBA 52808.1**



Technical Specifications

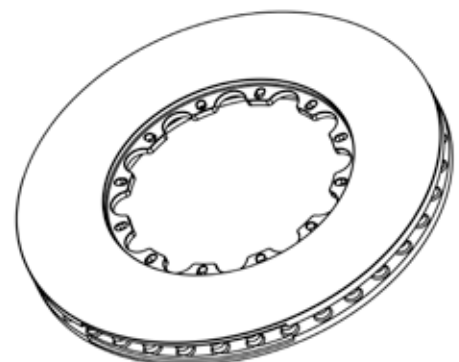
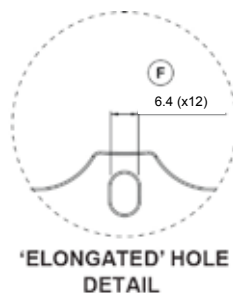
A Diameter (mm)	345
B Thickness (mm)	30
C Annulus (mm) (Maximum useable pad width)	67
D Air Gap (mm)	13.5
E Offset (mm)	-6.35
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	8.78



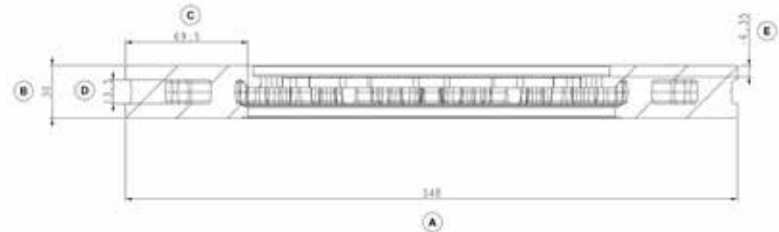
Vent Design



Kangaroo Paw

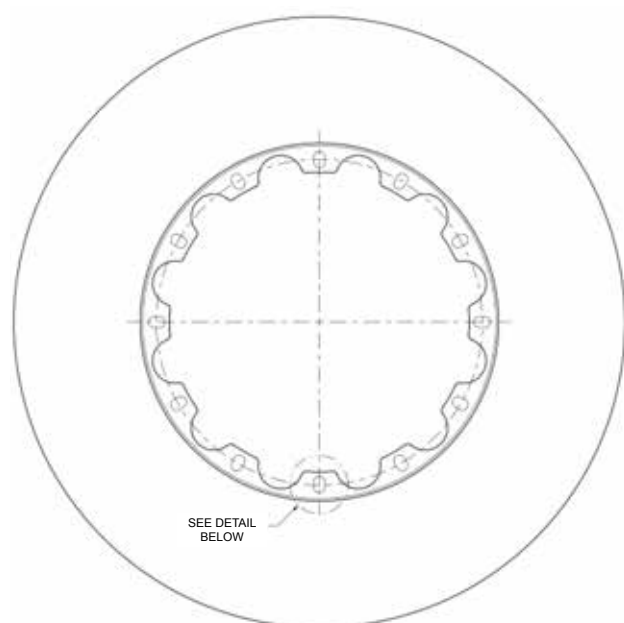


DBA Part No. **DBA 52858.1** (Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A	Diameter (mm)	348
B	Thickness (mm)	30
C	Annulus (mm) (Maximum useable pad width)	69.5
D	Air Gap (mm)	13.5
E	Offset (mm)	- 6.35
F	Dia. & No. of Bolt holes (mm)	6.4 (x12)
	Weight (kg)	9



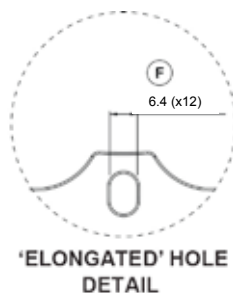
Vent Design



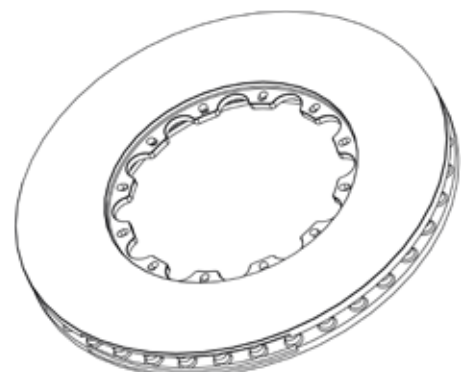
Kangaroo Paw



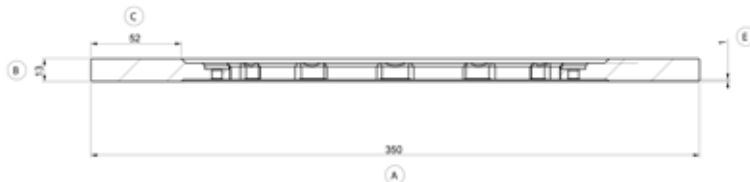
KANGAROO PAW



**'ELONGATED' HOLE
DETAIL**

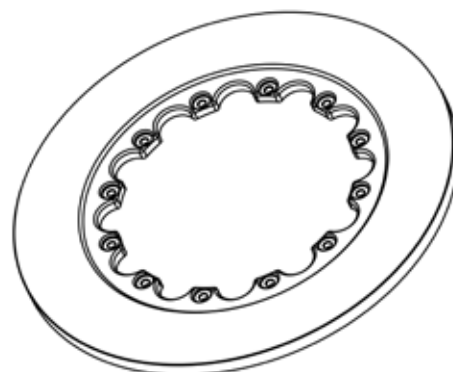
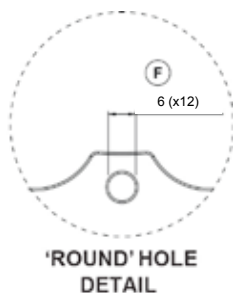
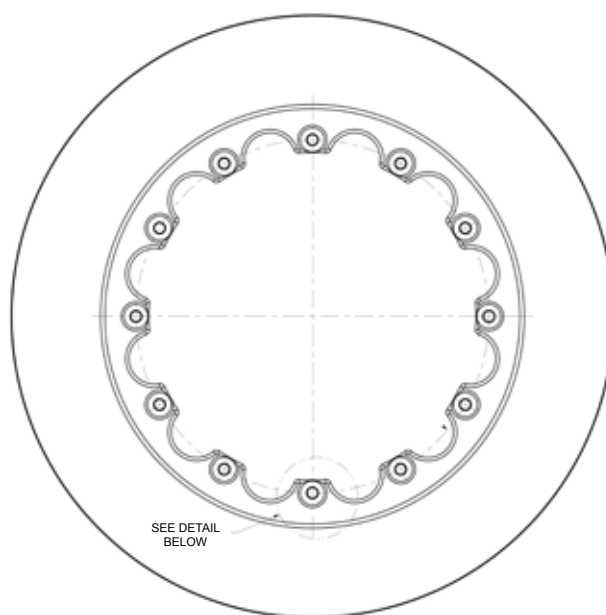


DBA Part No. **DBA 2978.1**

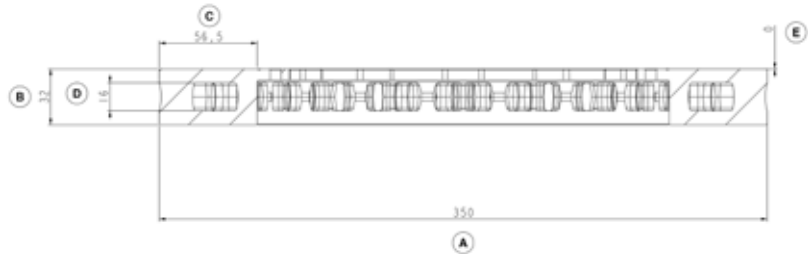


Technical Specifications

A	Diameter (mm)	350
B	Thickness (mm)	13
C	Annulus (mm) (Maximum useable pad width)	52
D	Air Gap (mm)	0
E	Offset (mm)	1
F	Dia. & No. of Bolt holes (mm)	6 (x12)
	Weight (kg)	5.4
	Vent Design	Solid

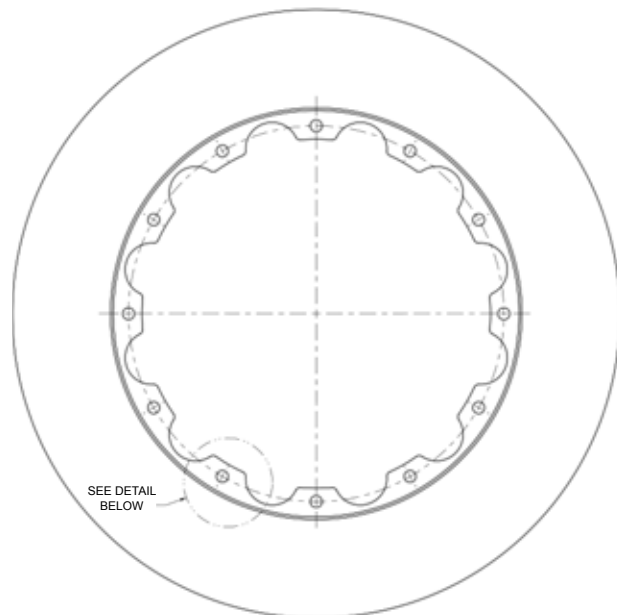


DBA Part No. **DBA 52018.1** (Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A Diameter (mm)	350
B Thickness (mm)	32
C Annulus (mm) (Maximum useable pad width)	56.5
D Air Gap (mm)	16
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	7.95



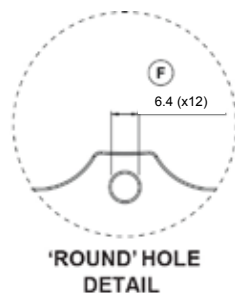
Vent Design



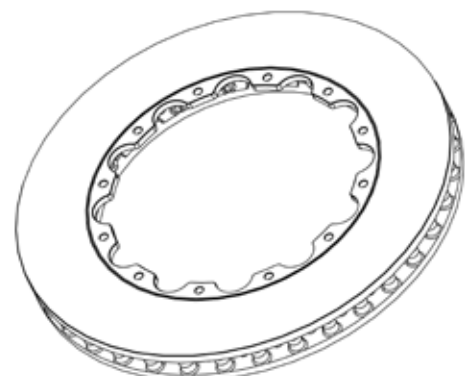
Kangaroo Paw



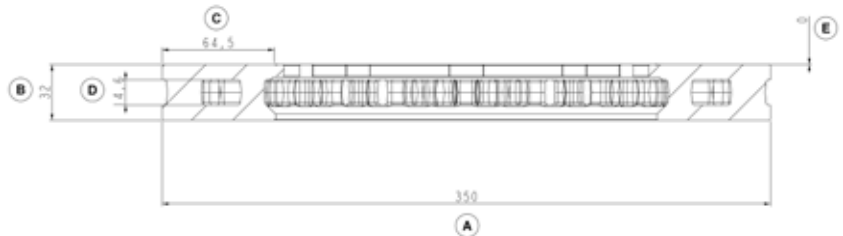
KANGAROO PAW



'ROUND' HOLE
DETAIL

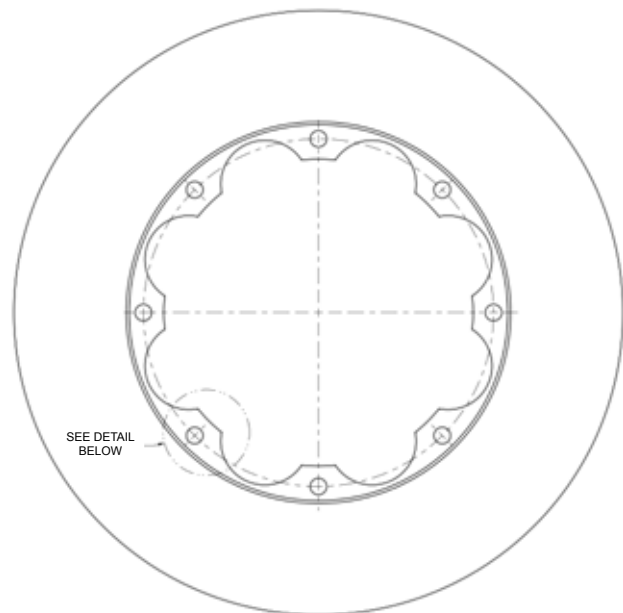


DBA Part No. **DBA 52223.1**



Technical Specifications

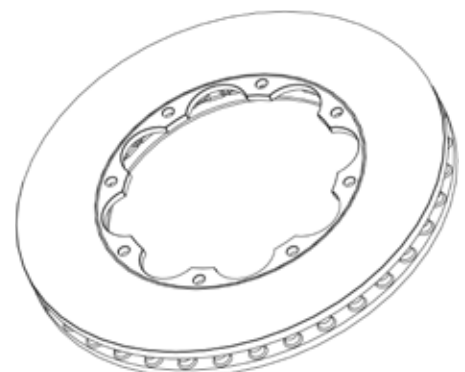
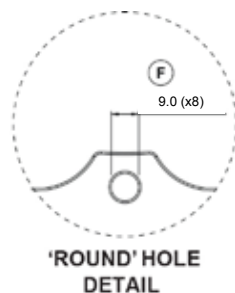
A	Diameter (mm)	350
B	Thickness (mm)	32
C	Annulus (mm) (Maximum useable pad width)	64.5
D	Air Gap (mm)	14.6
E	Offset (mm)	0
F	Dia. & No. of Bolt holes (mm)	9 (x8)
	Weight (kg)	9.12



Vent Design



Kangaroo Paw

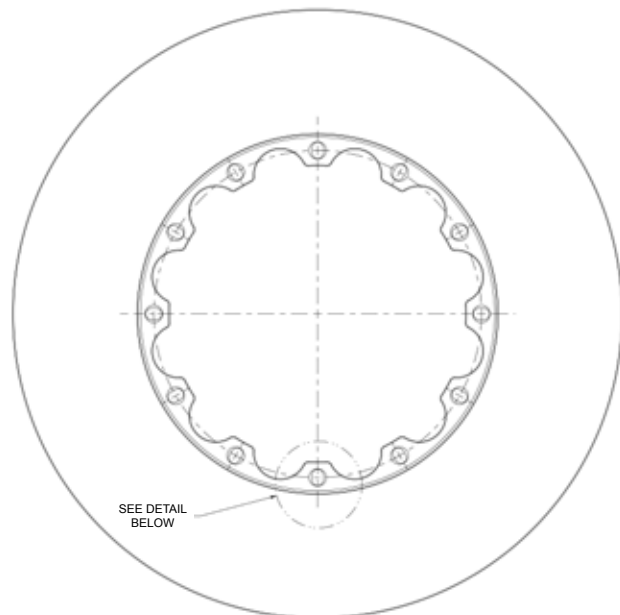


DBA Part No. **DBA 52224.1** (Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A Diameter (mm)	350
B Thickness (mm)	32
C Annulus (mm) (Maximum useable pad width)	65.25
D Air Gap (mm)	14.6
E Offset (mm)	- 6.35
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	9.45



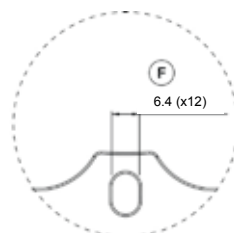
Vent Design



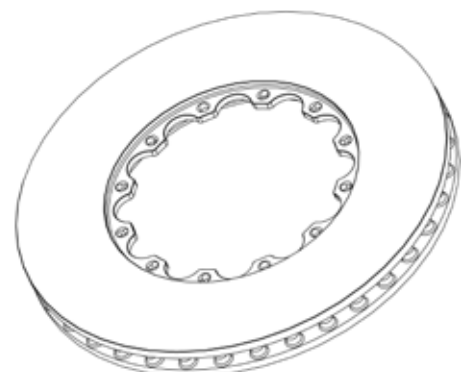
Kangaroo Paw



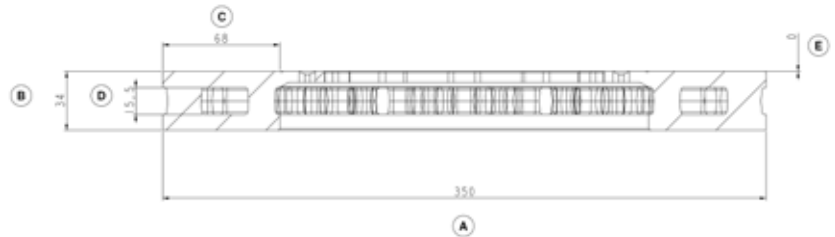
KANGAROO PAW



**'ELONGATED' HOLE
DETAIL**

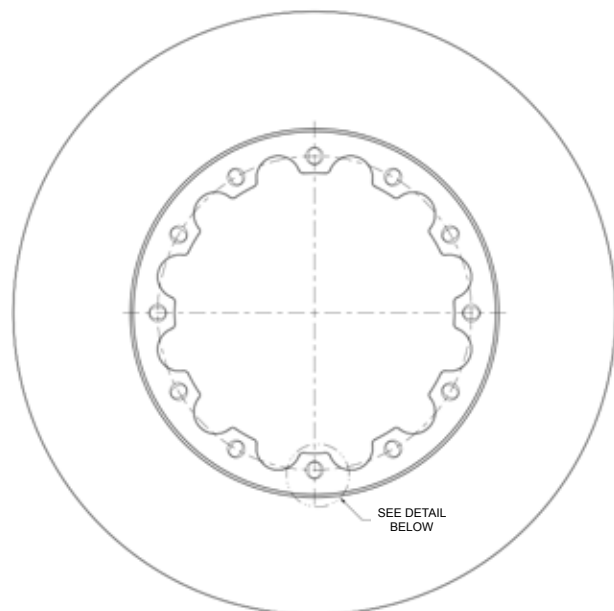


DBA Part No. **DBA 52396.1** (Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A Diameter (mm)	350
B Thickness (mm)	34
C Annulus (mm) (Maximum useable pad width)	68
D Air Gap (mm)	15.5
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	10.29



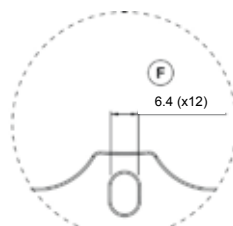
Vent Design



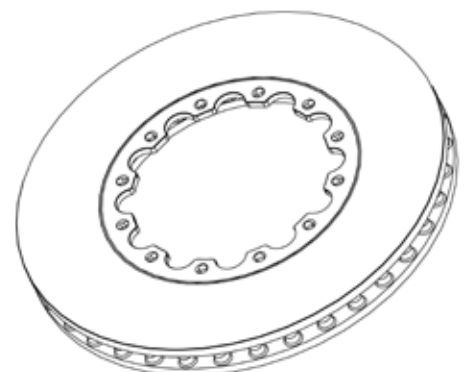
Kangaroo Paw



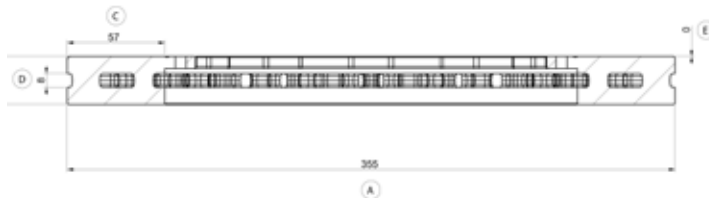
KANGAROO PAW




**'ELONGATED' HOLE
DETAIL**

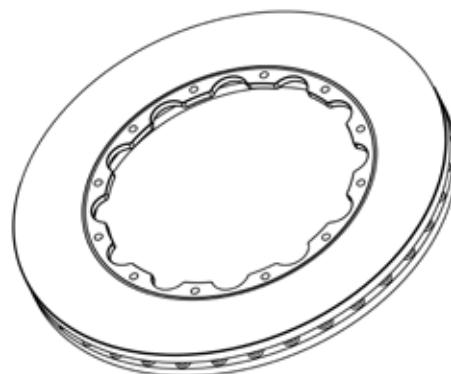
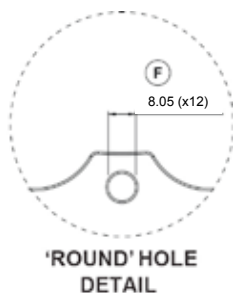
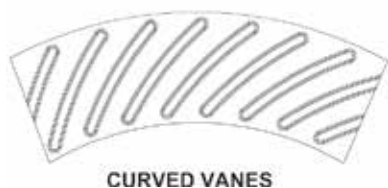
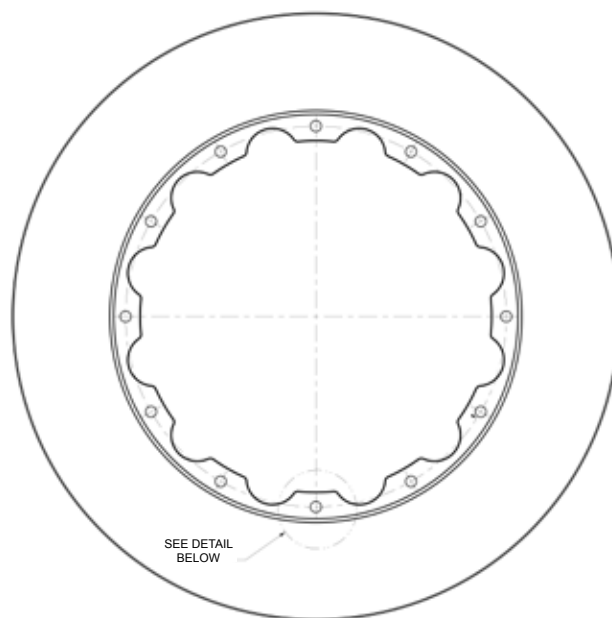


DBA Part No. **DBA 52916.1**

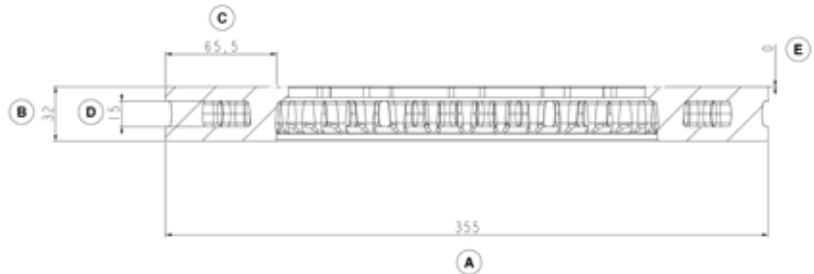


Technical Specifications

A Diameter (mm)	380
B Thickness (mm)	28
C Annulus (mm) (Maximum useable pad width)	56
D Air Gap (mm)	13.5
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	8.05 (x12)
Weight (kg)	8.08
Vent Design	 Curved Vanes

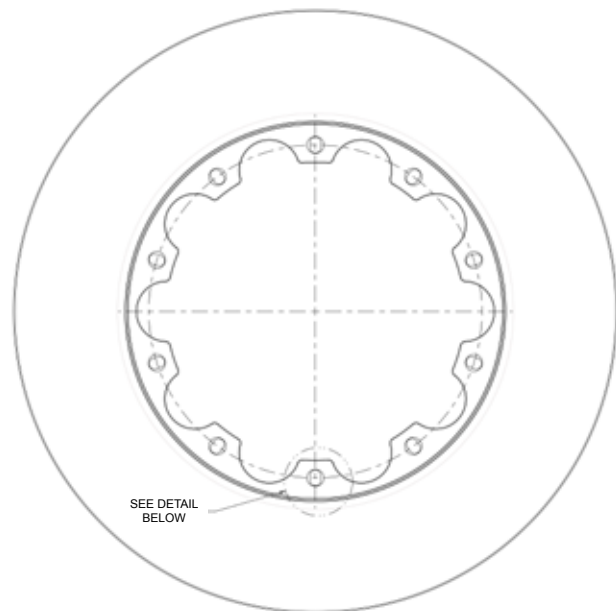


DBA Part No. **DBA 52604.1** (Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A Diameter (mm)	355
B Thickness (mm)	32
C Annulus (mm) (Maximum useable pad width)	65.5
D Air Gap (mm)	1.5
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x10)
Weight (kg)	9.24



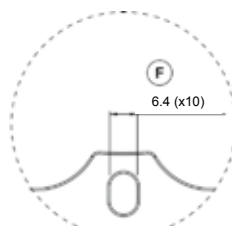
Vent Design



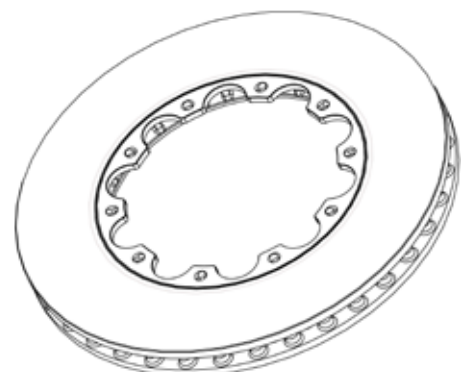
Kangaroo Paw



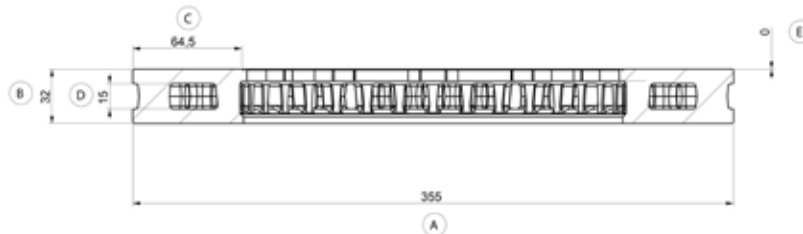
KANGAROO PAW



**'ELONGATED' HOLE
DETAIL**

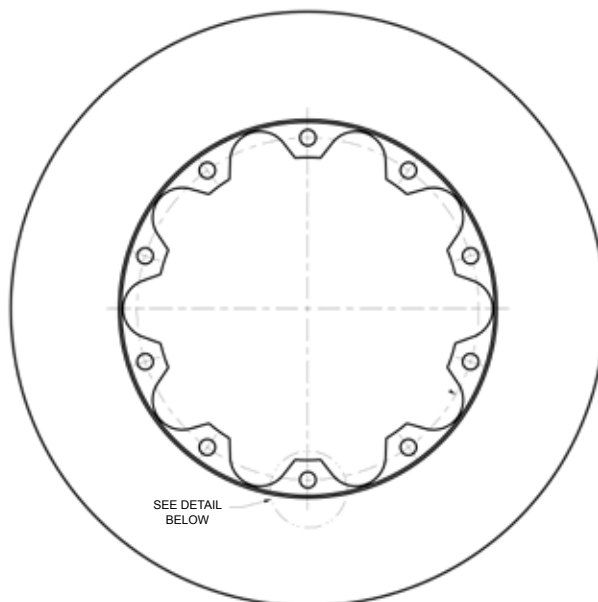


DBA Part No. **DBA 52073.1**



Technical Specifications

A	Diameter (mm)	355
B	Thickness (mm)	32
C	Annulus (mm) (Maximum useable pad width)	64.5
D	Air Gap (mm)	15
E	Offset (mm)	0
F	Dia. & No. of Bolt holes (mm)	9 (x10)



Weight (kg) **9.05**

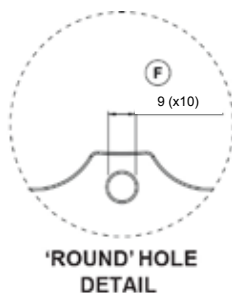
Vent Design



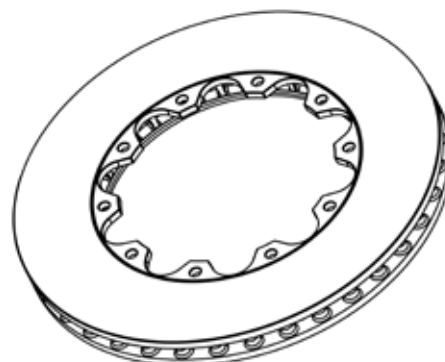
Kangaroo Paw



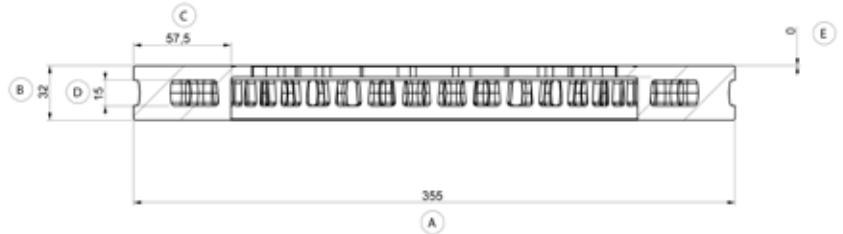
KANGAROO PAW



**'ROUND' HOLE
DETAIL**

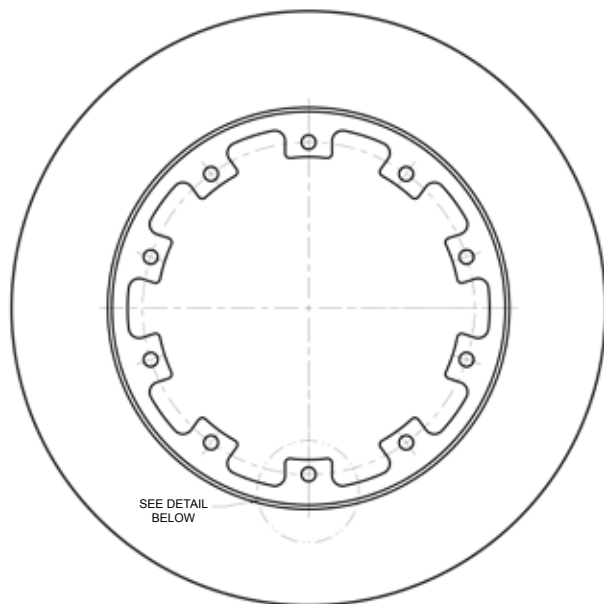


DBA Part No. **DBA 52075.1**



Technical Specifications

A Diameter (mm)	355
B Thickness (mm)	32
C Annulus (mm) (Maximum useable pad width)	57.5
D Air Gap (mm)	15
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	8 (x10)
Weight (kg)	8.96



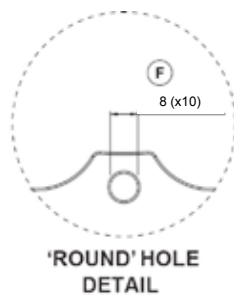
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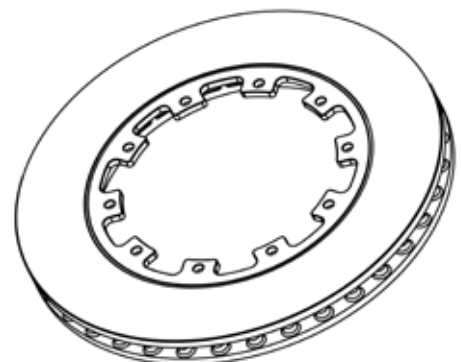
Kangaroo Paw



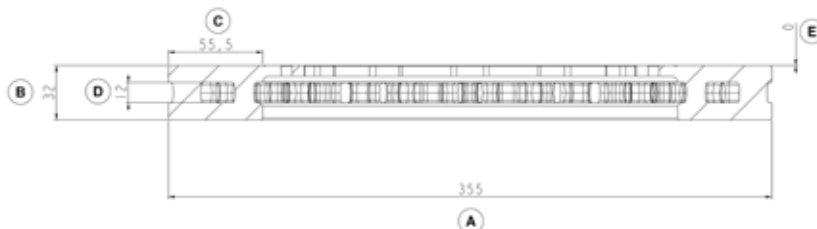
KANGAROO PAW



'ROUND' HOLE DETAIL

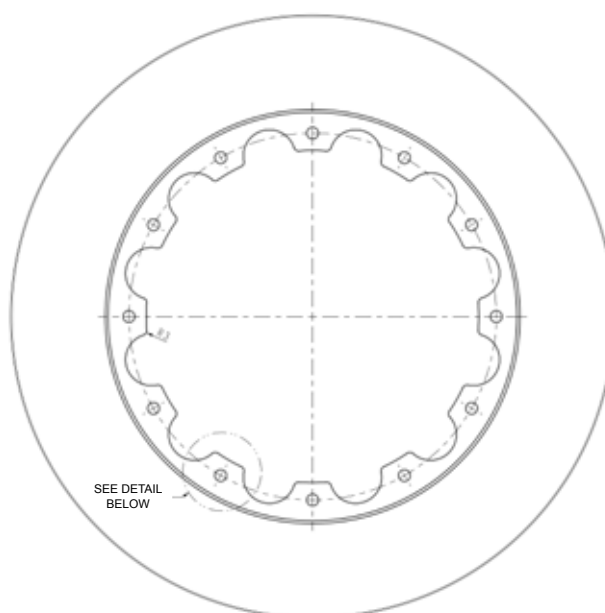


DBA Part No. **DBA 52750.1**



Technical Specifications

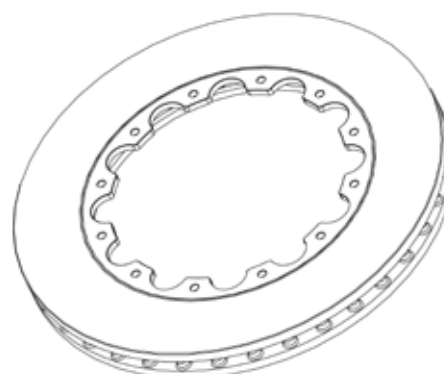
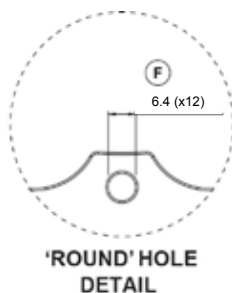
A Diameter (mm)	355
B Thickness (mm)	32
C Annulus (mm) (Maximum useable pad width)	55.5
D Air Gap (mm)	12
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	9.05



Vent Design



Kangaroo Paw

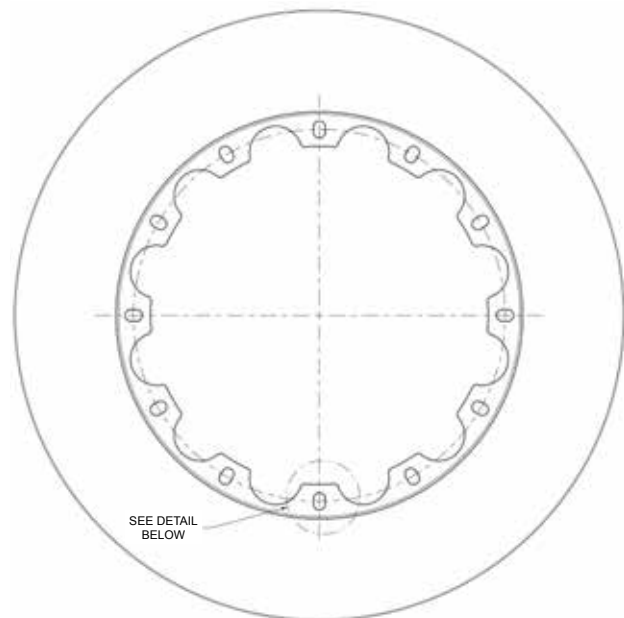


DBA Part No. **DBA 52992.1** (Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A	Diameter (mm)	355
B	Thickness (mm)	32
C	Annulus (mm) (Maximum useable pad width)	52.25
D	Air Gap (mm)	12
E	Offset (mm)	- 6.35
F	Dia. & No. of Bolt holes (mm)	6.4 (x12)
	Weight (kg)	8.96



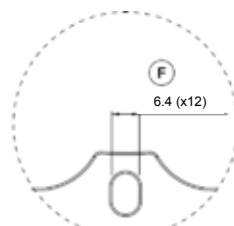
Vent Design



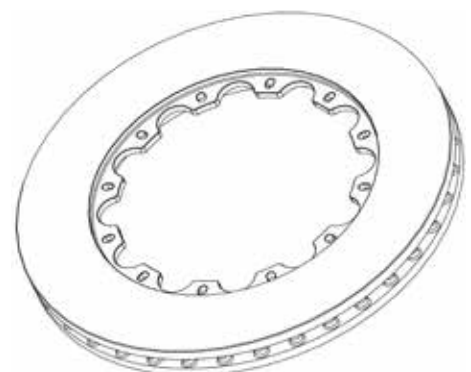
Kangaroo Paw



KANGAROO PAW



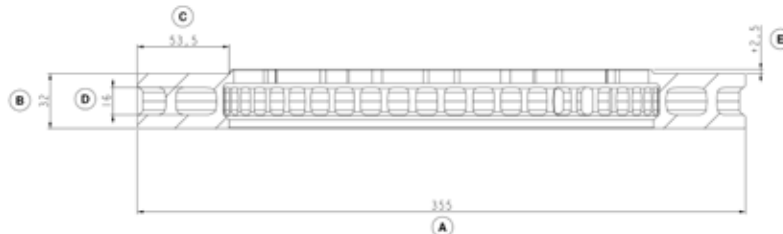
**'ELONGATED' HOLE
DETAIL**



DBA Part Nos.

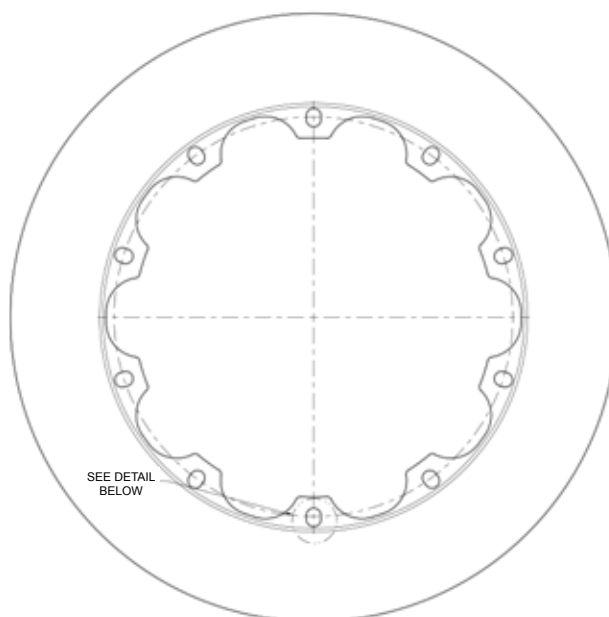
DBA 52923.1L

DBA 52923.1R



Technical Specifications

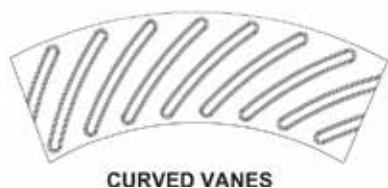
A Diameter (mm)	355
B Thickness (mm)	32
C Annulus (mm) (Maximum useable pad width)	53.5
D Air Gap (mm)	16
E Offset (mm)	+ 2.5
F Dia. & No. of Bolt holes (mm)	8.15 (x10)
Weight (kg)	7.5



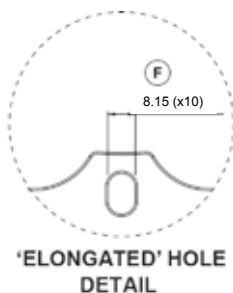
Vent Design



Curved Vanes



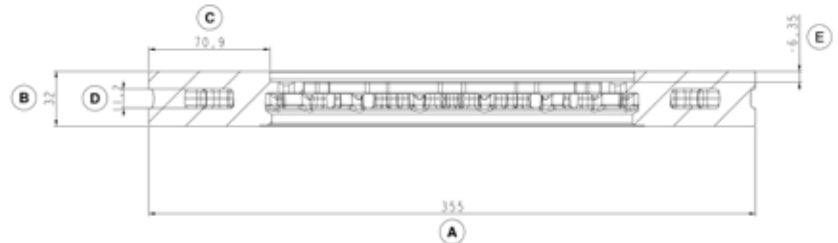
CURVED VANES



**'ELONGATED' HOLE
DETAIL**

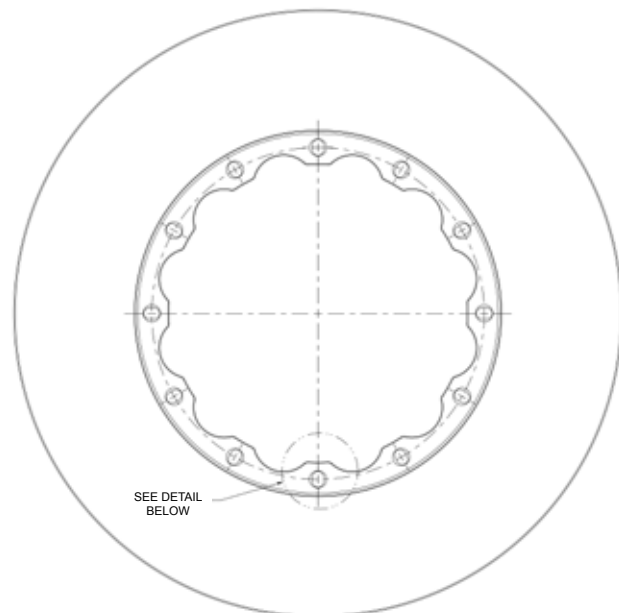


DBA Part No. **DBA 52314.1** (Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A Diameter (mm)	355
B Thickness (mm)	32
C Annulus (mm) (Maximum useable pad width)	70.9
D Air Gap (mm)	11.2
E Offset (mm)	- 6.35
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	11.06



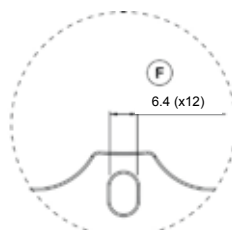
Vent Design



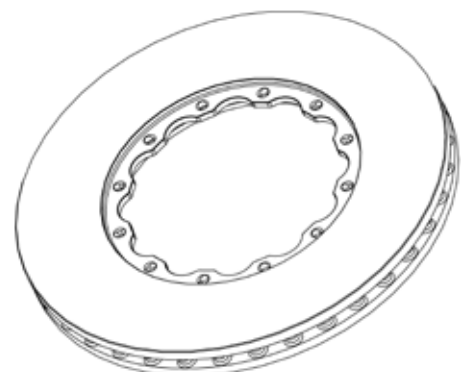
Kangaroo Paw



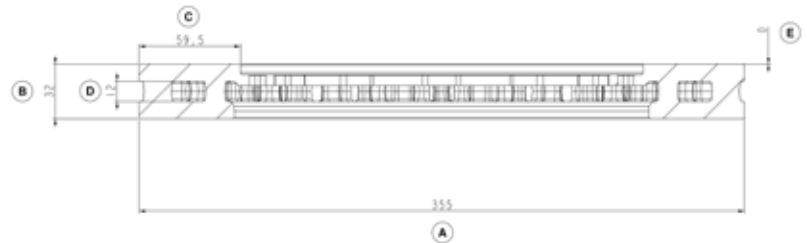
KANGAROO PAW



**'ELONGATED' HOLE
DETAIL**

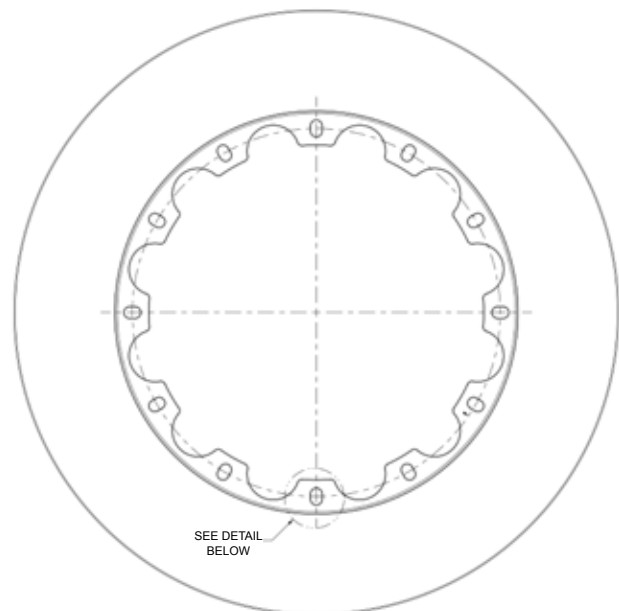


DBA Part No. **DBA 52448.1** (Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A Diameter (mm)	355
B Thickness (mm)	32
C Annulus (mm) (Maximum useable pad width)	59.5
D Air Gap (mm)	12
E Offset (mm)	-6.35
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	9.15



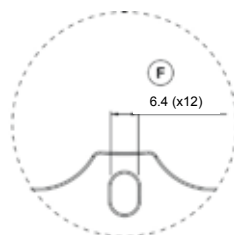
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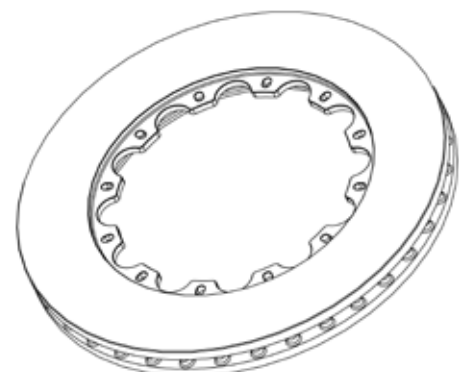
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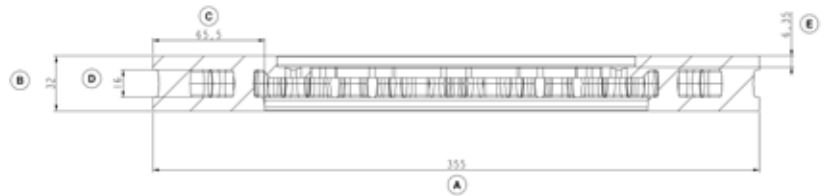
KANGAROO PAW



'ELONGATED' HOLE
DETAIL

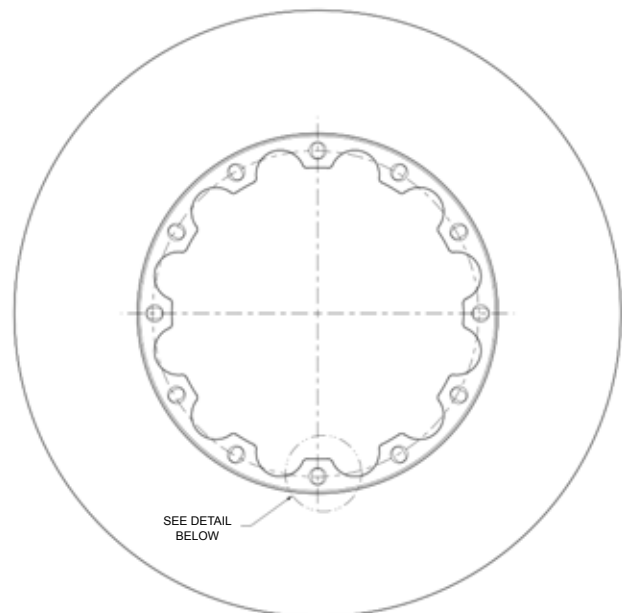


DBA Part No. **DBA 52124.1** (Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A Diameter (mm)	355
B Thickness (mm)	32
C Annulus (mm) (Maximum useable pad width)	65.5
D Air Gap (mm)	16
E Offset (mm)	- 6.35
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	9.18



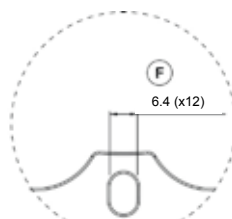
Vent Design



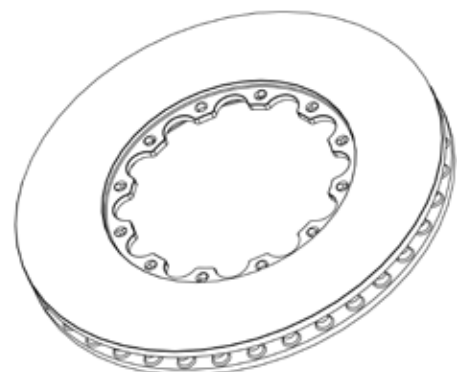
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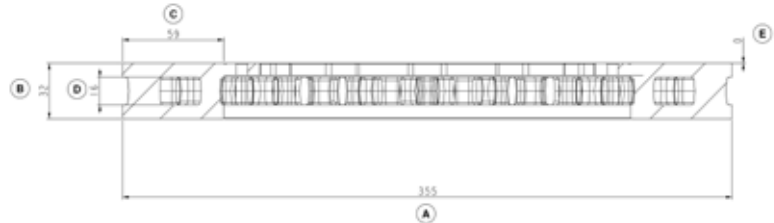
KANGAROO PAW



**'ELONGATED' HOLE
DETAIL**

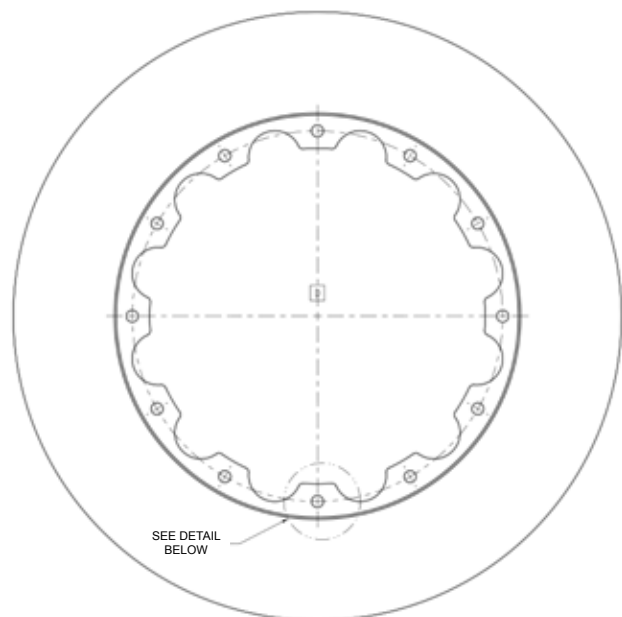


DBA Part No. **DBA 52905.1** (Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A Diameter (mm)	355
B Thickness (mm)	32
C Annulus (mm) (Maximum useable pad width)	59
D Air Gap (mm)	16
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	8.4



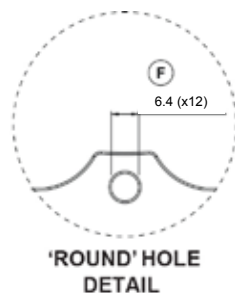
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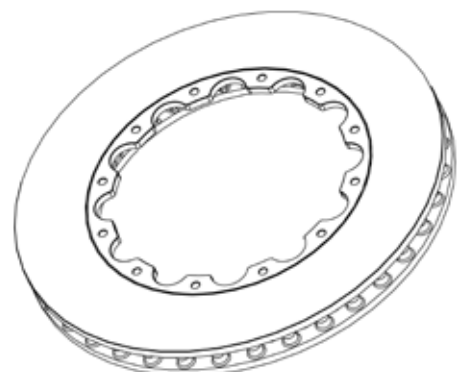
Kangaroo Paw



KANGAROO PAW



**'ROUND' HOLE
DETAIL**




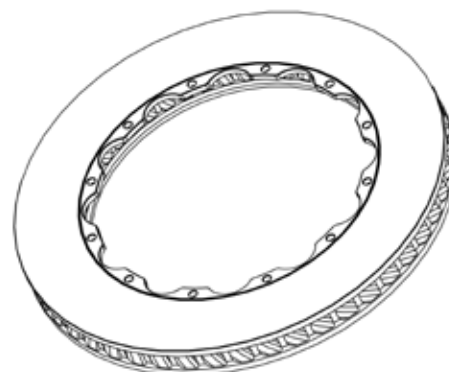
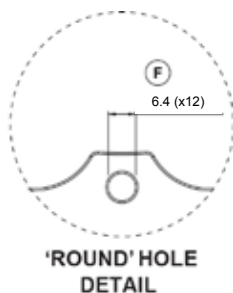
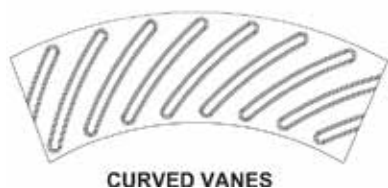
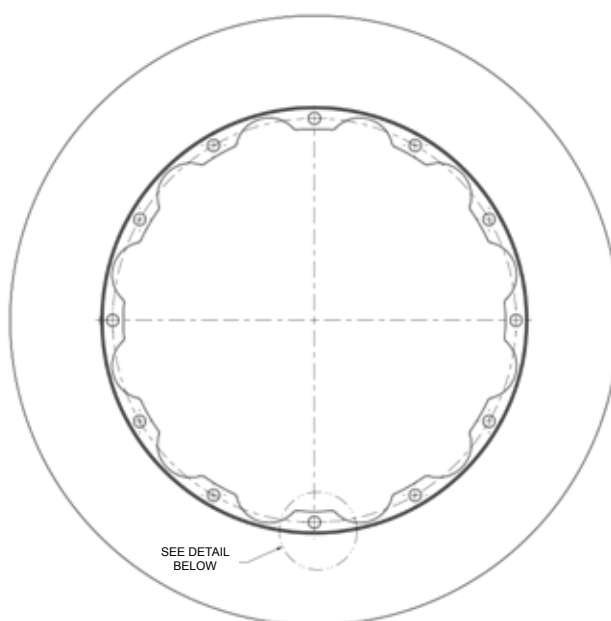
DBA Part Nos.
DBA 52906.1L
DBA 52906.1R

(Supplied with 1/4" UNF NAS crimp nuts)

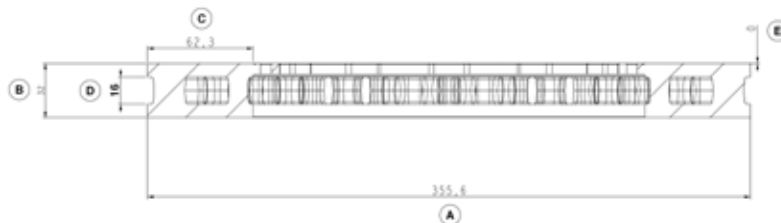


Technical Specifications

A Diameter (mm)	355
B Thickness (mm)	32
C Annulus (mm) (Maximum useable pad width)	53
D Air Gap (mm)	16
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	7.4
Vent Design	 Curved Vanes

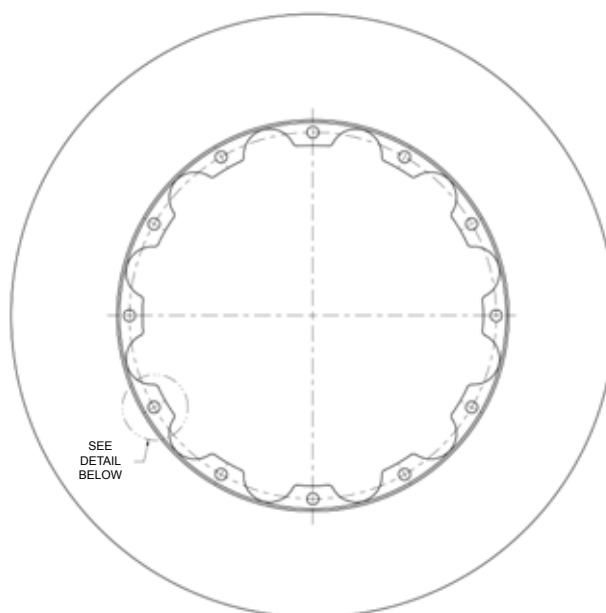


DBA Part No. **DBA 52102.1** (Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A Diameter (mm)	355.6
B Thickness (mm)	32
C Annulus (mm) (Maximum useable pad width)	62.3
D Air Gap (mm)	16
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	8.47



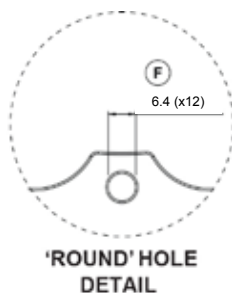
Vent Design



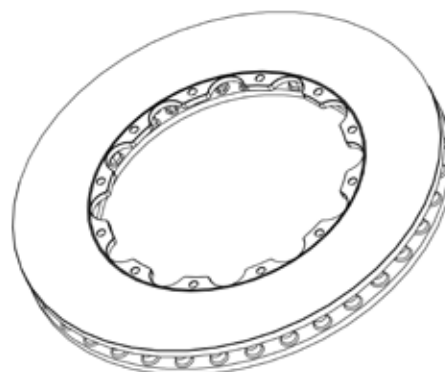
Kangaroo Paw



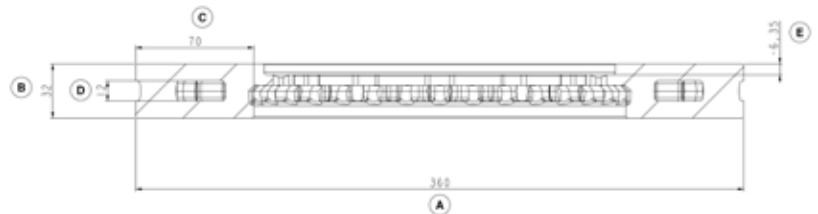
KANGAROO PAW



**'ROUND' HOLE
DETAIL**

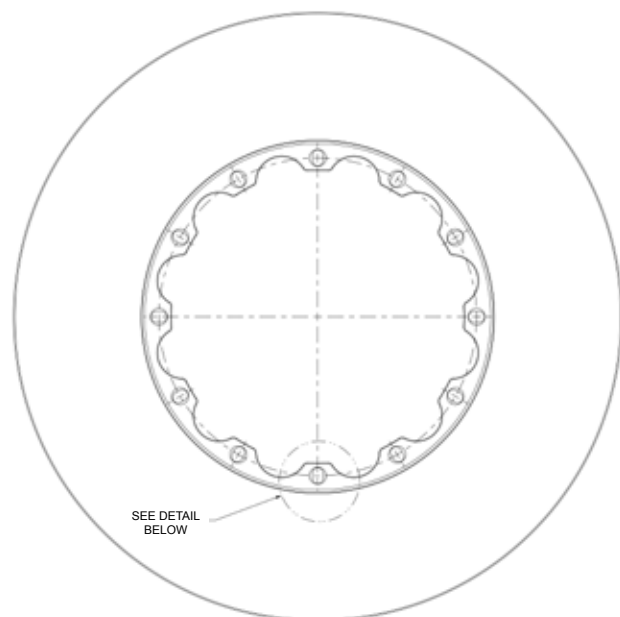


DBA Part No. **DBA 52804.1** (Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A Diameter (mm)	360
B Thickness (mm)	32
C Annulus (mm) (Maximum useable pad width)	70
D Air Gap (mm)	12
E Offset (mm)	- 6.35
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	11.15



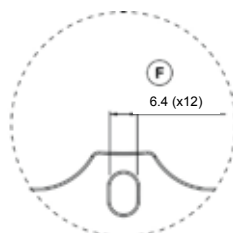
Vent Design



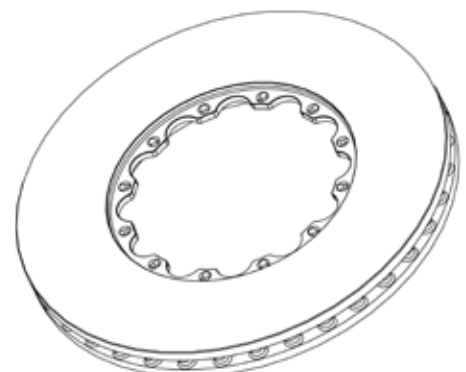
Kangaroo Paw



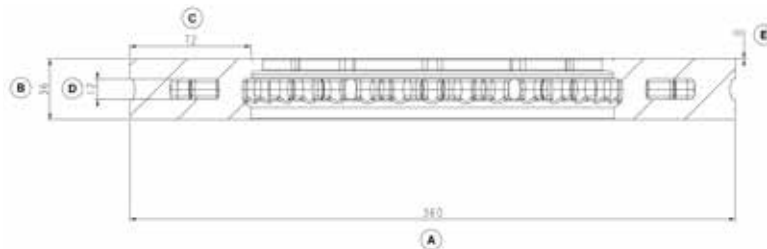
KANGAROO PAW



**'ELONGATED' HOLE
DETAIL**

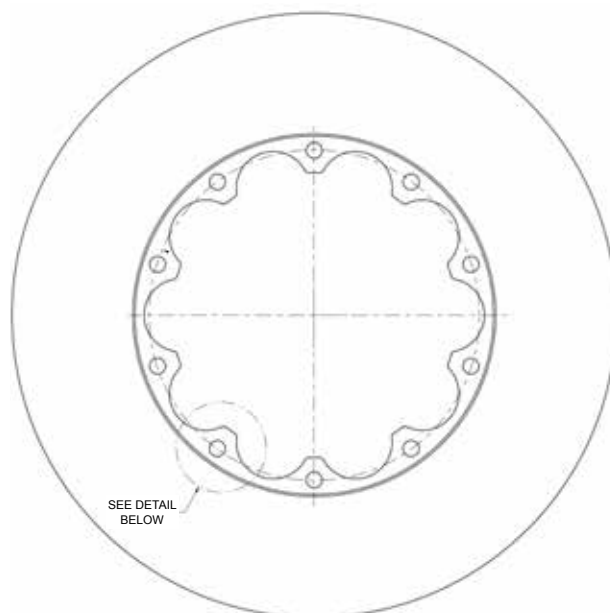


DBA Part No. **DBA 52690.1** (Supplied with metric 6mm NAS crimp nuts)



Technical Specifications

A Diameter (mm)	360
B Thickness (mm)	36
C Annulus (mm) (Maximum useable pad width)	72
D Air Gap (mm)	12
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	9 (x10)
Weight (kg)	11.1



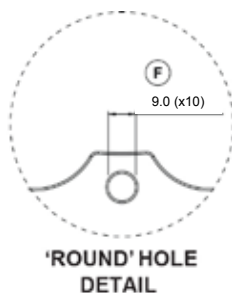
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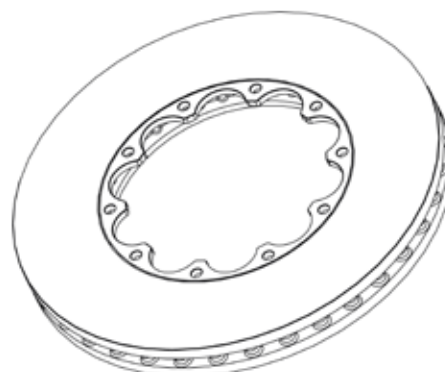
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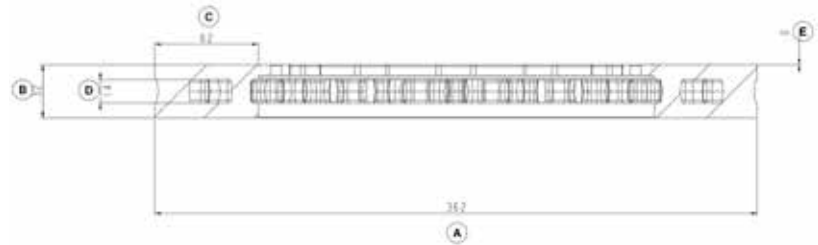
KANGAROO PAW



**'ROUND' HOLE
DETAIL**

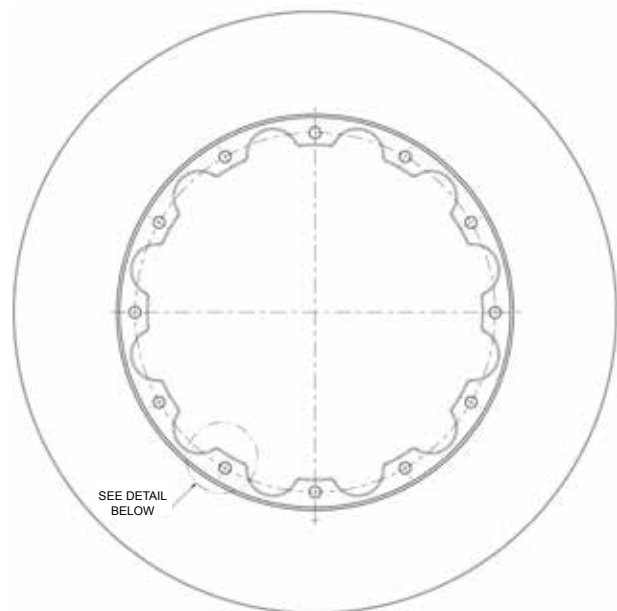


DBA Part No. **DBA 52024.1** (Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A Diameter (mm)	362
B Thickness (mm)	32
C Annulus (mm) (Maximum useable pad width)	62
D Air Gap (mm)	14
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	9.41



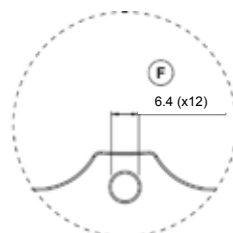
Vent Design



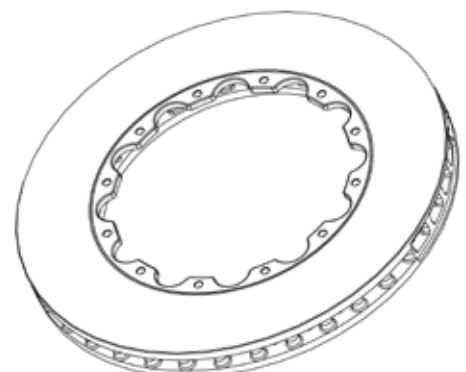
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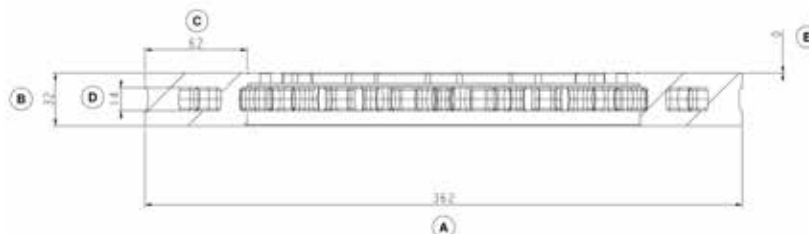
KANGAROO PAW



**'ROUND' HOLE
DETAIL**

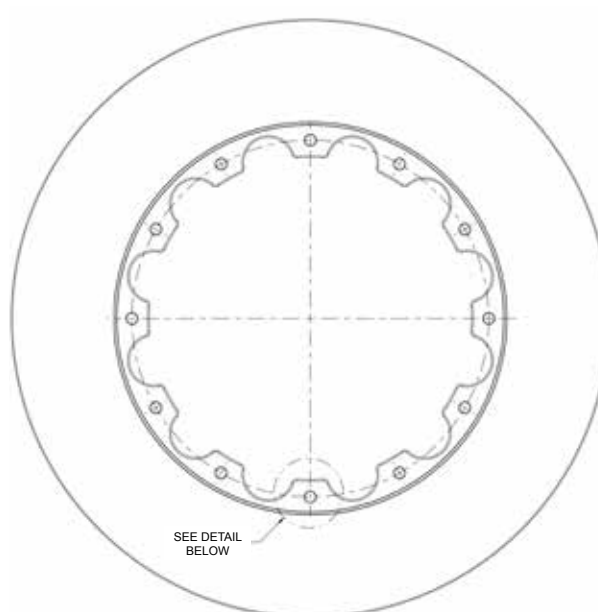


DBA Part No. **DBA 52037.1**



Technical Specifications

A Diameter (mm)	362
B Thickness (mm)	32
C Annulus (mm) (Maximum useable pad width)	62
D Air Gap (mm)	14
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x12)

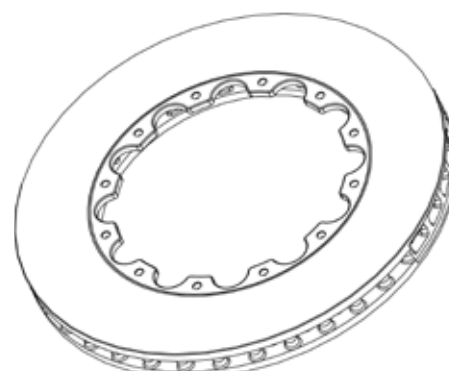
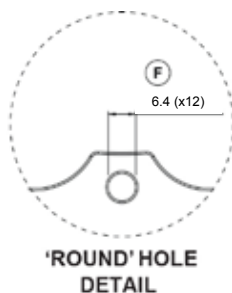


Weight (kg) **9.44**

Vent Design



Kangaroo Paw

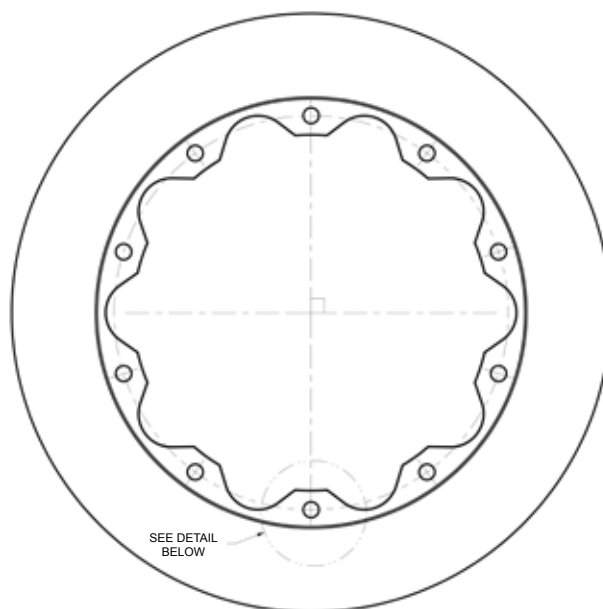


DBA Part No. **DBA 52771.1**



Technical Specifications

A Diameter (mm)	365
B Thickness (mm)	26
C Annulus (mm)	51
D Air Gap (mm)	9
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	9 (x10)



Weight (kg) **7.5**

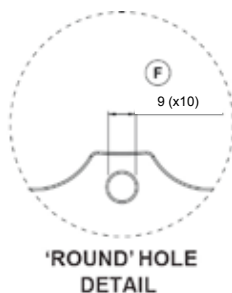
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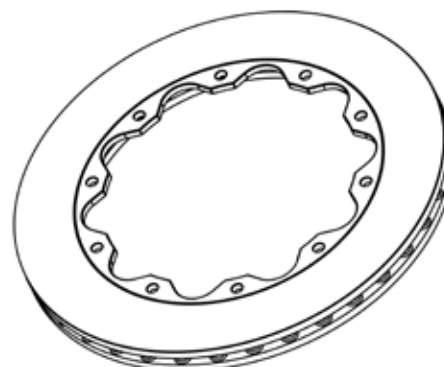
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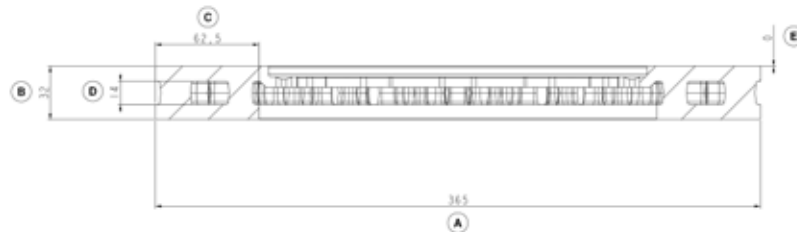
KANGAROO PAW



'ROUND' HOLE DETAIL

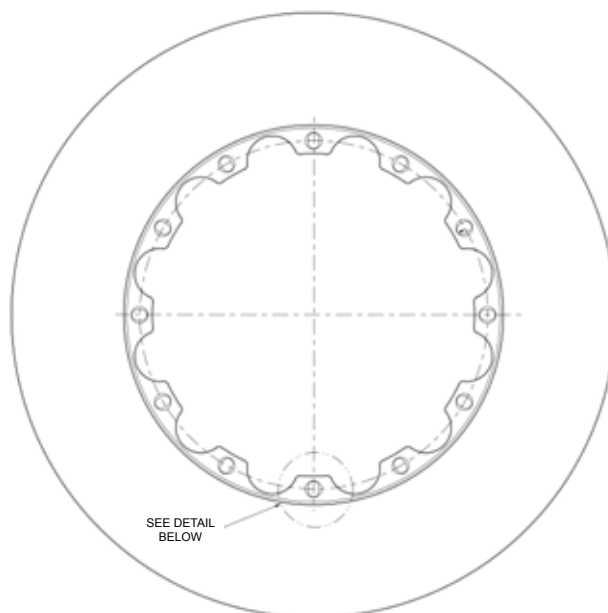


DBA Part No. **DBA 52030.1** (Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A	Diameter (mm)	365
B	Thickness (mm)	32
C	Annulus (mm) (Maximum useable pad width)	62.5
D	Air Gap (mm)	14
E	Offset (mm)	-6.35
F	Dia. & No. of Bolt holes (mm)	6.4 (x12)
	Weight (kg)	9.77



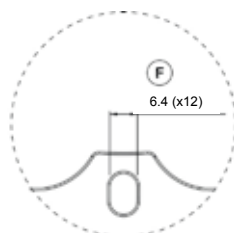
Vent Design



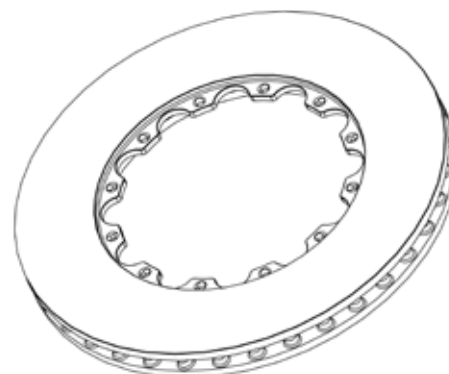
Kangaroo Paw



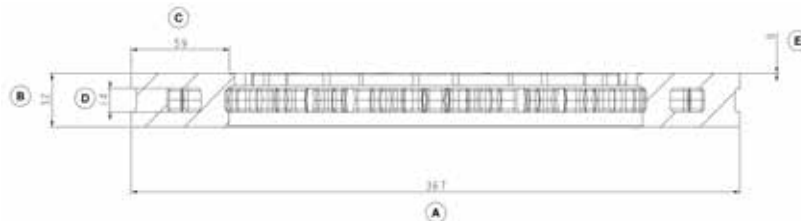
KANGAROO PAW



**'ELONGATED' HOLE
DETAIL**

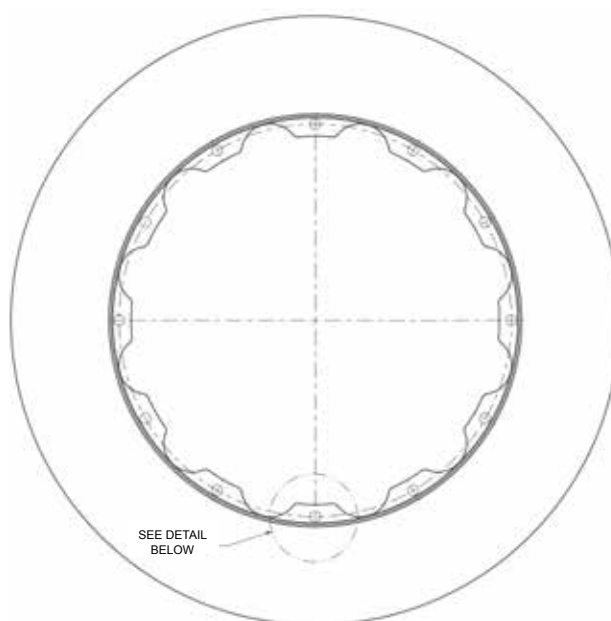


DBA Part No. **DBA 52943.1** (Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

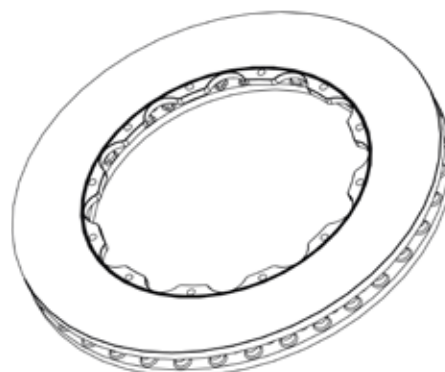
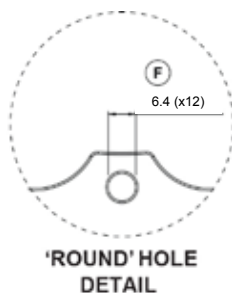
A Diameter (mm)	367
B Thickness (mm)	32
C Annulus (mm) (Maximum useable pad width)	59
D Air Gap (mm)	14
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	9.08



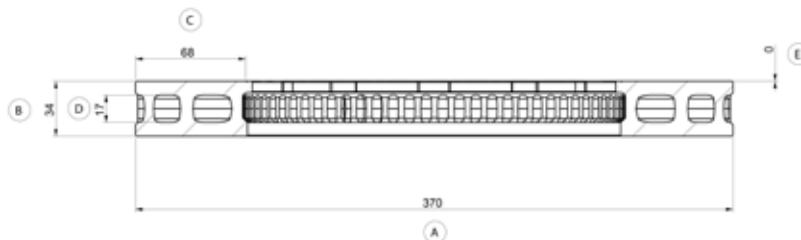
Vent Design



Kangaroo Paw

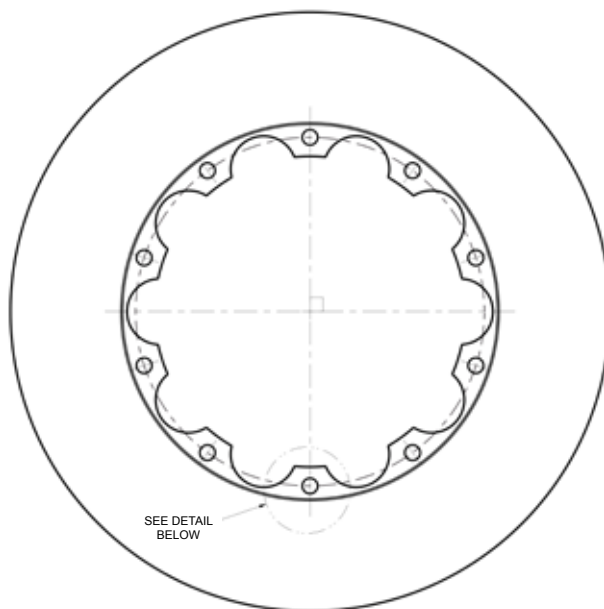


DBA Part No. **DBA 52770.1**



Technical Specifications

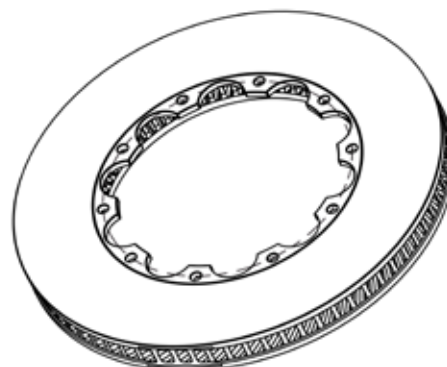
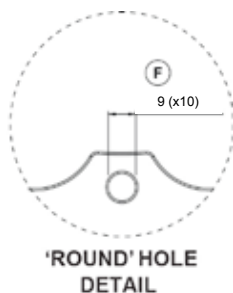
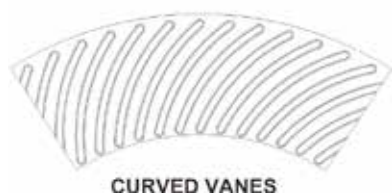
A	Diameter (mm)	370
B	Thickness (mm)	34
C	Annulus (mm)	68
D	Air Gap (mm)	17
E	Offset (mm)	0
F	Dia. & No. of Bolt holes (mm)	9 (x10)
	Weight (kg)	10.9



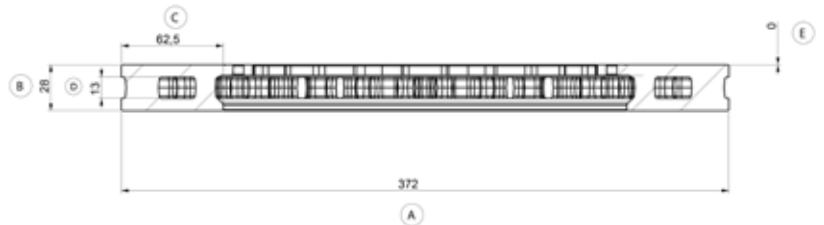
Vent Design



Curved Vanes

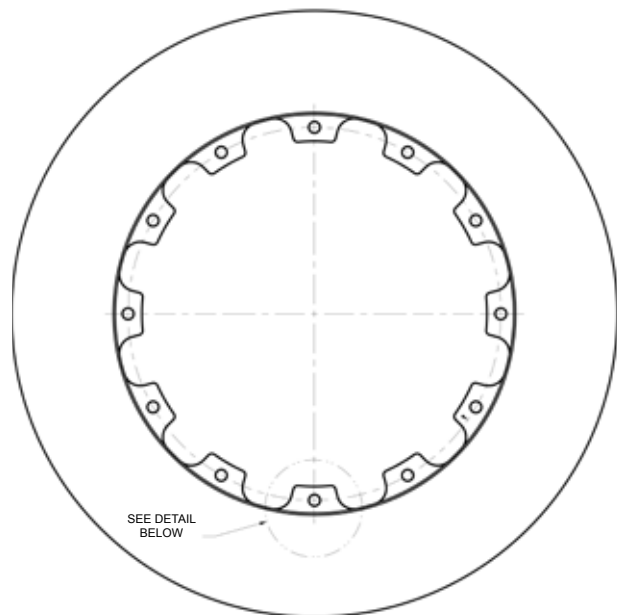


DBA Part No. **DBA 52069.1**



Technical Specifications

A Diameter (mm)	372
B Thickness (mm)	28
C Annulus (mm) (Maximum useable pad width)	62.5
D Air Gap (mm)	13
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	8.2



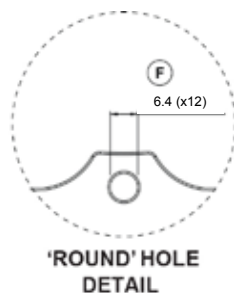
Vent Design



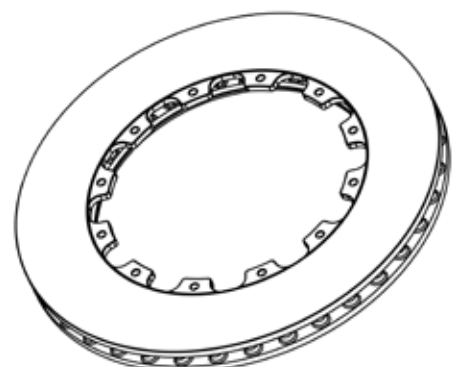
Kangaroo Paw



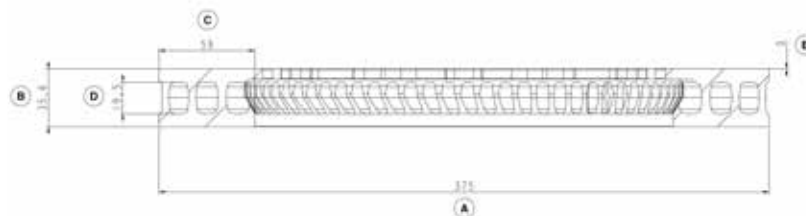
KANGAROO PAW




'ROUND' HOLE DETAIL

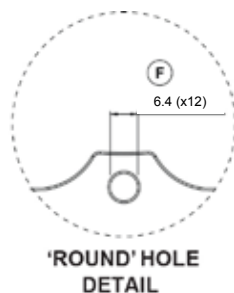
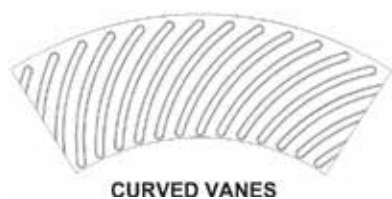
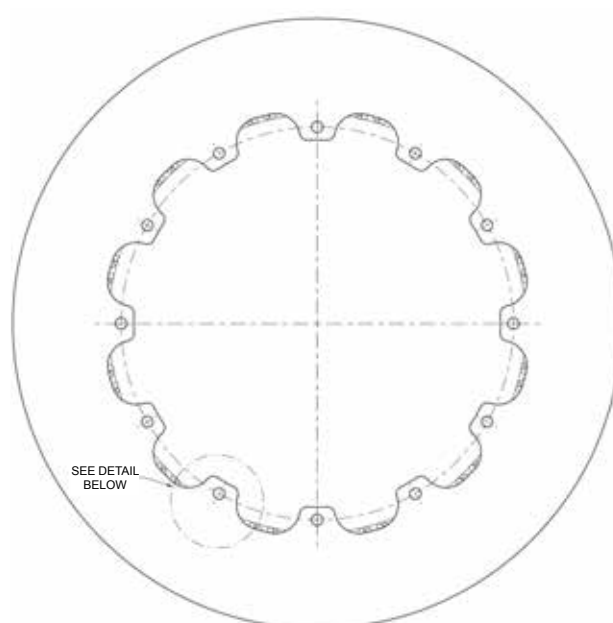


DBA Part Nos.
DBA 92190.1L
DBA 92190.1R

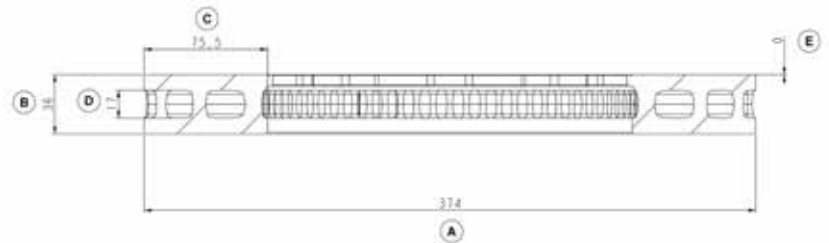


Technical Specifications

A	Diameter (mm)	375
B	Thickness (mm)	35.6
C	Annulus (mm) (Maximum useable pad width)	59
D	Air Gap (mm)	19.5
E	Offset (mm)	0
F	Dia. & No. of Bolt holes (mm)	6.4 (x12)
	Weight (kg)	9.26
	Vent Design	 Curved Vanes

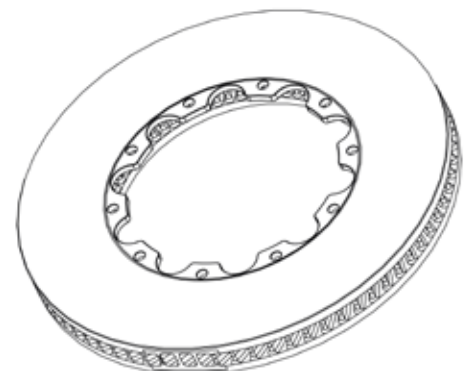
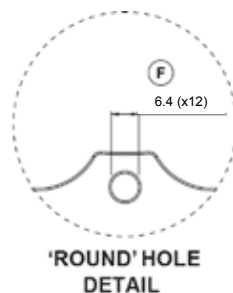
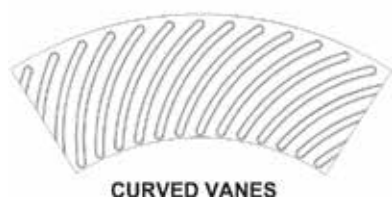
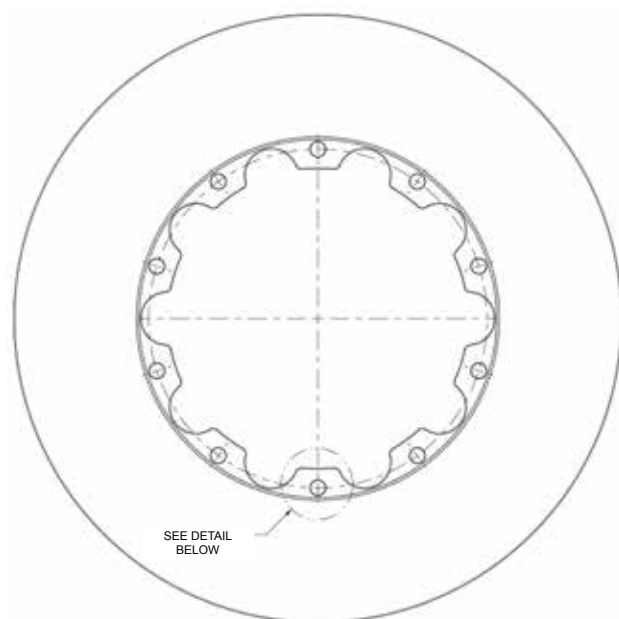


DBA Part Nos.
DBA 52914.1L
DBA 52914.1R

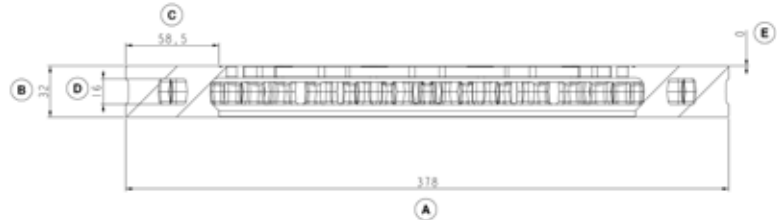


Technical Specifications

A	Diameter (mm)	375
B	Thickness (mm)	36
C	Annulus (mm) (Maximum useable pad width)	59
D	Air Gap (mm)	17
E	Offset (mm)	0
F	Dia. & No. of Bolt holes (mm)	6.4 (x12)
	Weight (kg)	10.00
	Vent Design	72 Curved Vanes

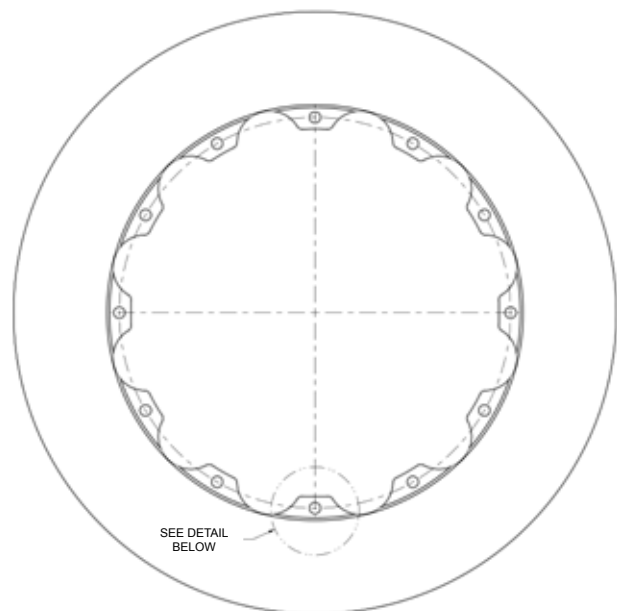


DBA Part No. **DBA 52902.1** (Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A	Diameter (mm)	378
B	Thickness (mm)	32
C	Annulus (mm) (Maximum useable pad width)	58.5
D	Air Gap (mm)	16
E	Offset (mm)	0
F	Dia. & No. of Bolt holes (mm)	6.4 (x12)
	Weight (kg)	8.06



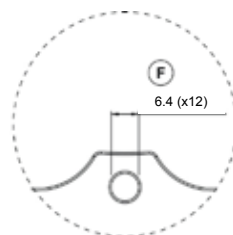
Vent Design



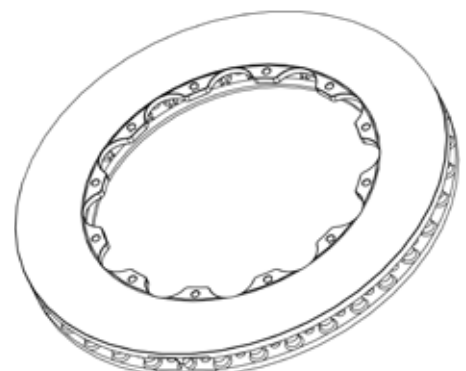
Kangaroo Paw



KANGAROO PAW



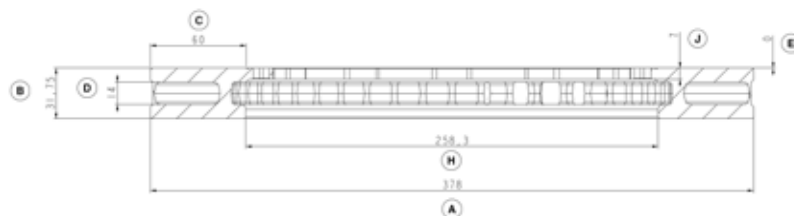
**'ROUND' HOLE
DETAIL**



DBA Part Nos.

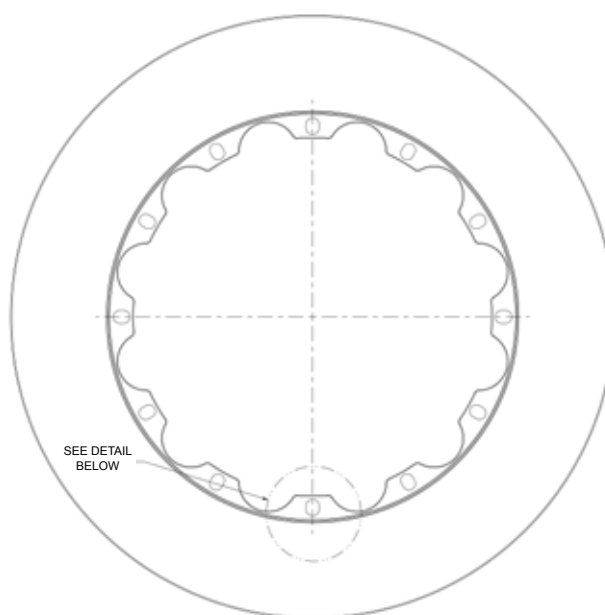
DBA 52928.1L

DBA 52928.1R



Technical Specifications

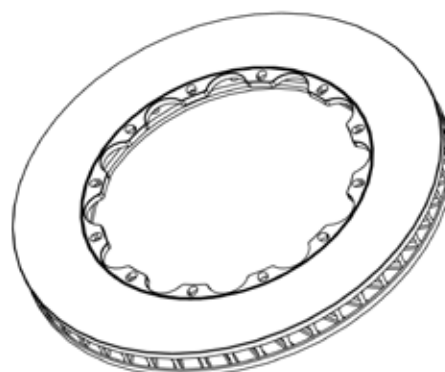
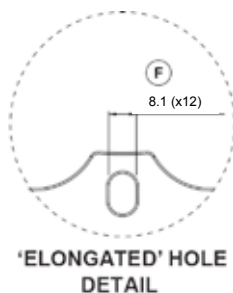
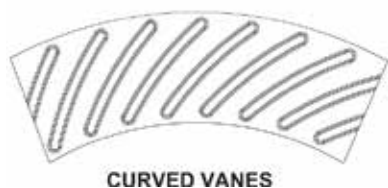
A Diameter (mm)	378
B Thickness (mm)	31.75
C Annulus (mm) (Maximum useable pad width)	60
D Air Gap (mm)	14
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	8.1 (x12)
Weight (kg)	9.03



Vent Design



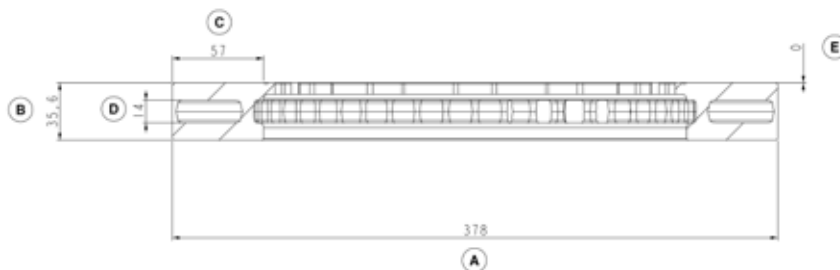
Curved Vanes



DBA Part Nos.

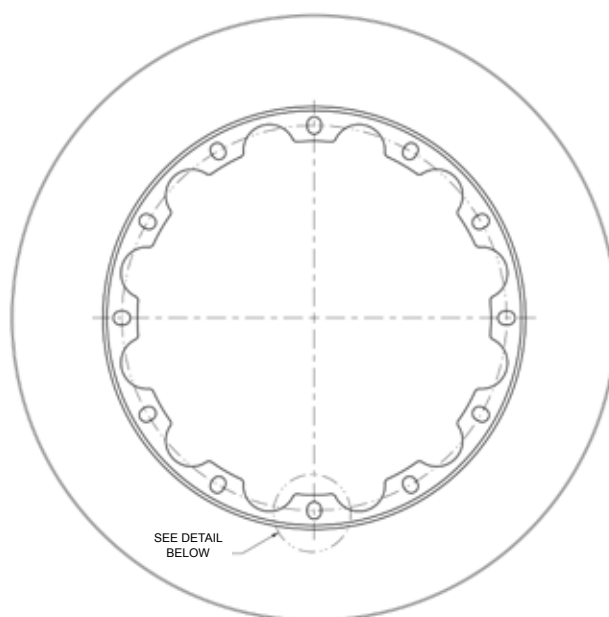
DBA 52932.1L

DBA 52932.1R



Technical Specifications

A	Diameter (mm)	378
B	Thickness (mm)	35.6
C	Annulus (mm) (Maximum useable pad width)	57
D	Air Gap (mm)	14
E	Offset (mm)	0
F	Dia. & No. of Bolt holes (mm)	8.15 (x12)

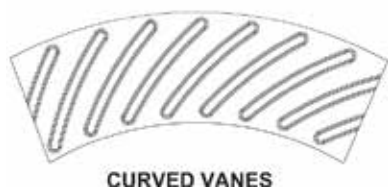


Weight (kg) **10.56**

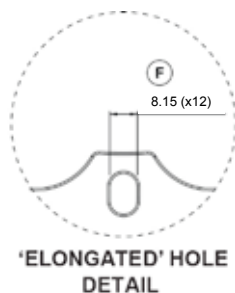
Vent Design



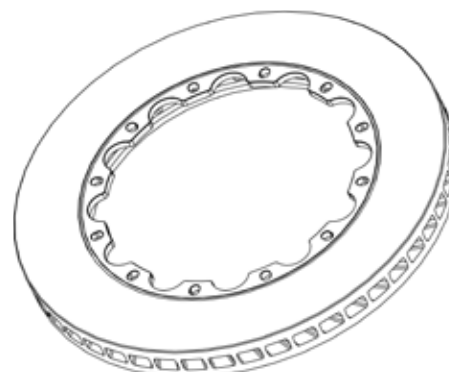
Curved Vanes



CURVED VANES



**'ELONGATED' HOLE
DETAIL**

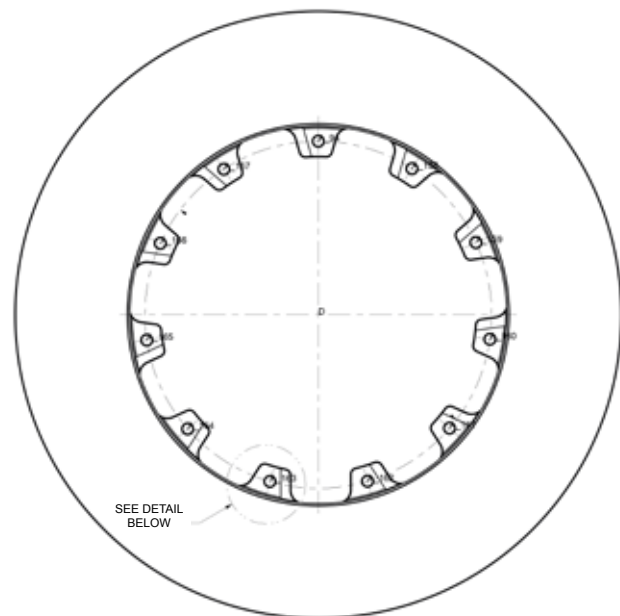


DBA Part No. **DBA 52071.1**



Technical Specifications

A Diameter (mm)	378
B Thickness (mm)	36
C Annulus (mm) (Maximum useable pad width)	70
D Air Gap (mm)	18
E Offset (mm)	+ 0.7
F Dia. & No. of Bolt holes (mm)	6.4 (x11)
Weight (kg)	10.8



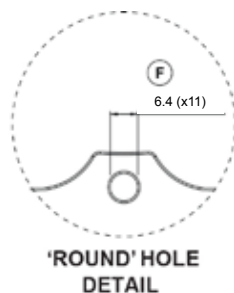
Vent Design



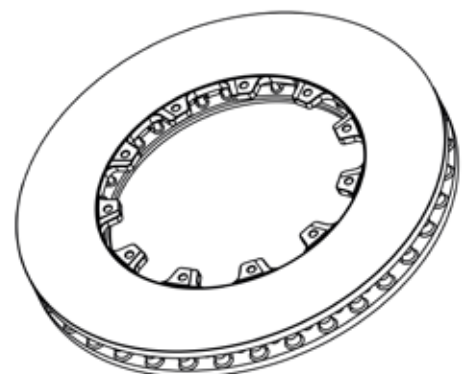
Kangaroo Paw



KANGAROO PAW



**'ROUND' HOLE
DETAIL**

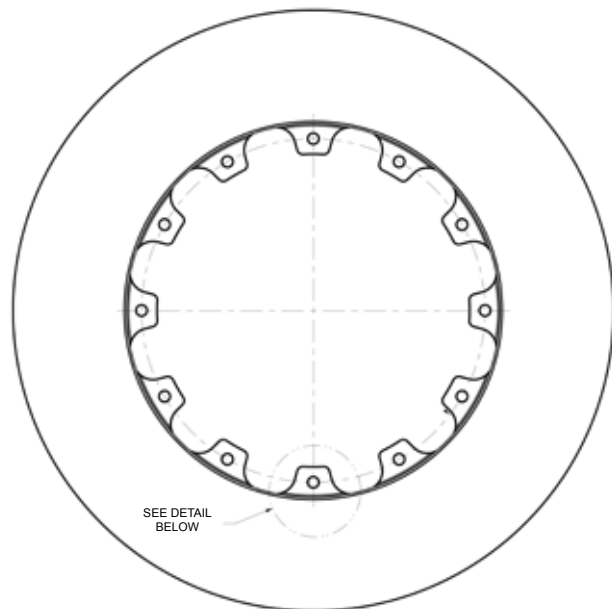


DBA Part No. **DBA 52072.1**



Technical Specifications

A Diameter (mm)	378
B Thickness (mm)	36
C Annulus (mm) (Maximum useable pad width)	70
D Air Gap (mm)	18
E Offset (mm)	1
F Dia. & No. of Bolt holes (mm)	6.4 (x12)
Weight (kg)	11.2



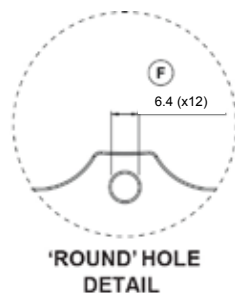
Vent Design



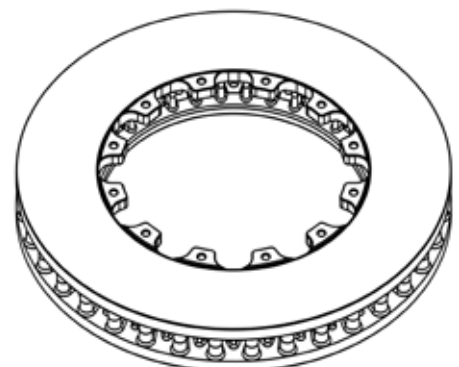
Kangaroo Paw



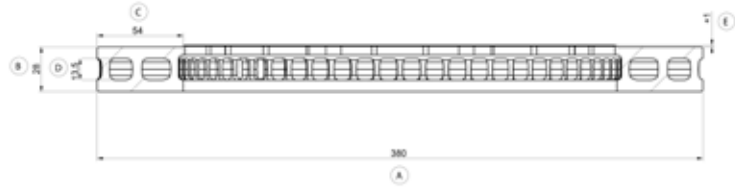
KANGAROO PAW



**'ROUND' HOLE
DETAIL**

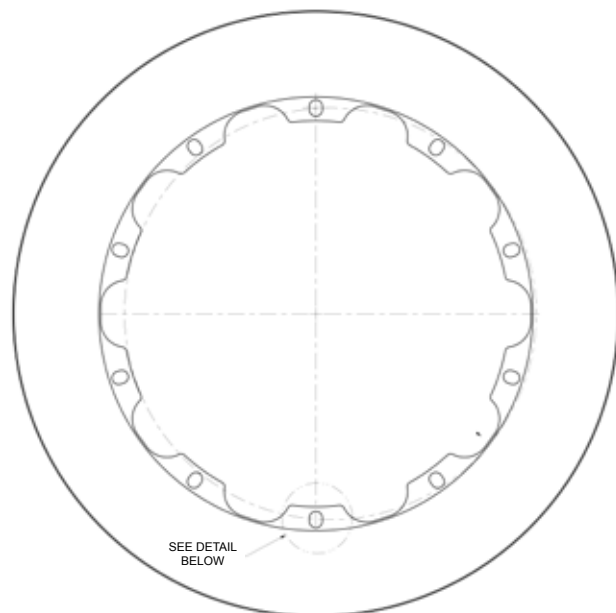


DBA Part No. **DBA 52970.1**



Technical Specifications

A Diameter (mm)	380
B Thickness (mm)	28
C Annulus (mm) (Maximum useable pad width)	54
D Air Gap (mm)	13.5
E Offset (mm)	+ 1
F Dia. & No. of Bolt holes (mm)	8.15 (x10)
Weight (kg)	7.54



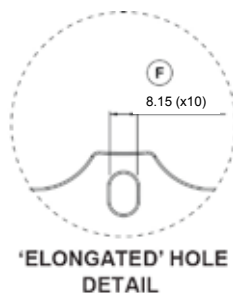
Vent Design



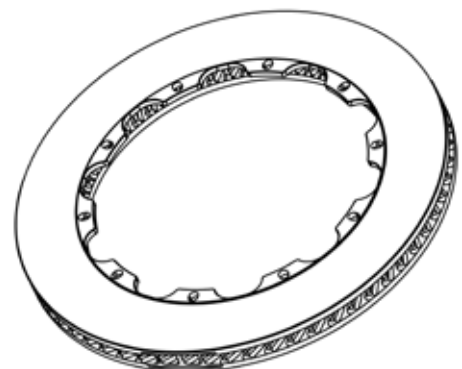
Kangaroo Paw



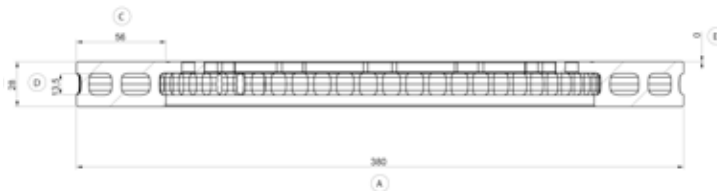
KANGAROO PAW



**'ELONGATED' HOLE
DETAIL**

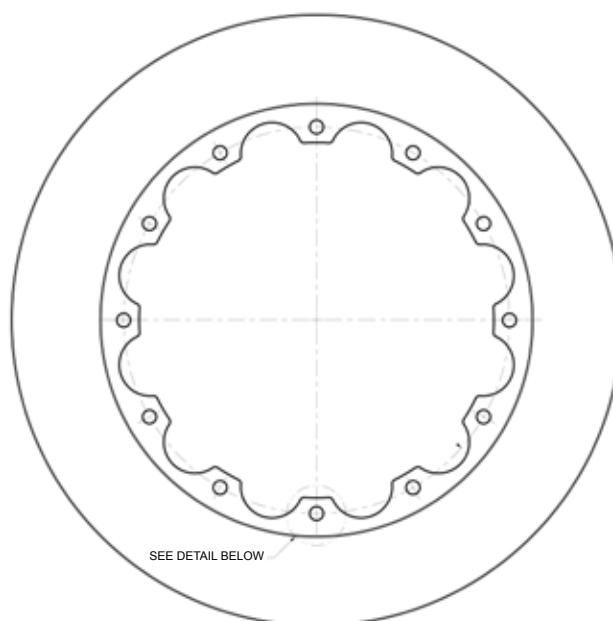


DBA Part No. **DBA 52971.1**



Technical Specifications

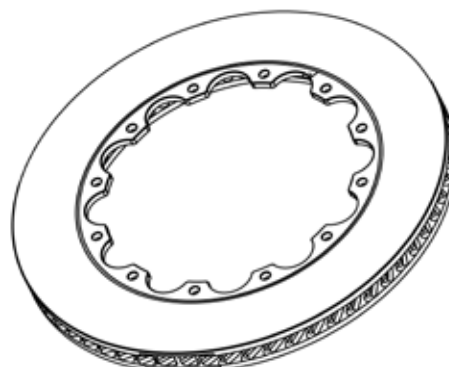
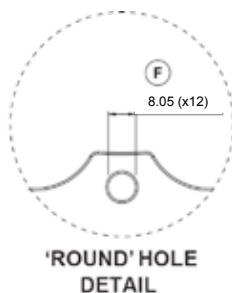
A Diameter (mm)	380
B Thickness (mm)	28
C Annulus (mm) (Maximum useable pad width)	56
D Air Gap (mm)	13.5
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	8.05 (x12)
Weight (kg)	8.08



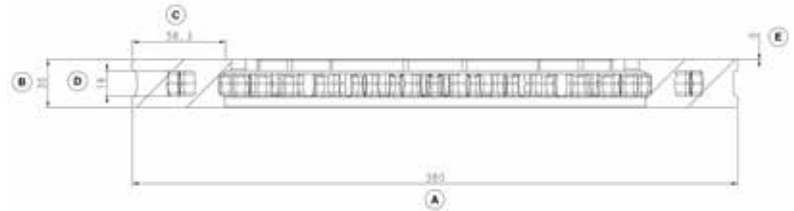
Vent Design



Kangaroo Paw

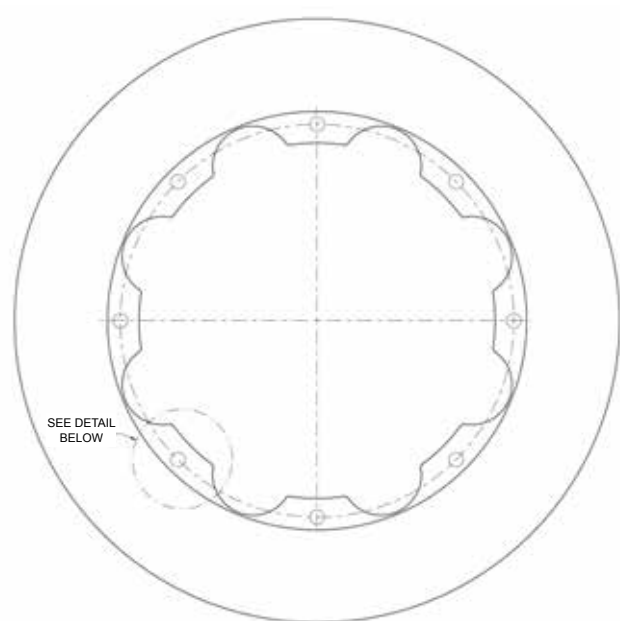


DBA Part No. **DBA 52323.1**



Technical Specifications

A Diameter (mm)	380
B Thickness (mm)	30
C Annulus (mm) (Maximum useable pad width)	58.3
D Air Gap (mm)	16
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	9.05 (x8)
Weight (kg)	8.18



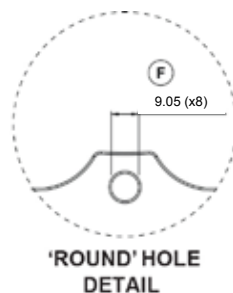
Vent Design



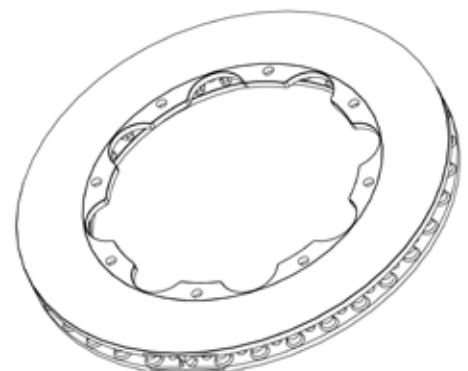
Kangaroo Paw



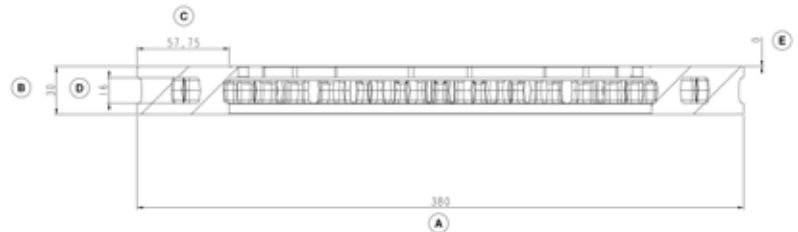
KANGAROO PAW



**'ROUND' HOLE
DETAIL**

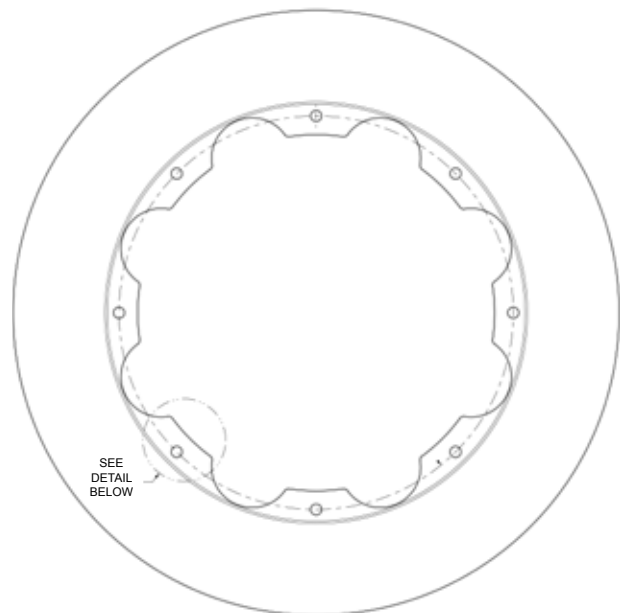


DBA Part No. **DBA 52321.1** (Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A Diameter (mm)	380
B Thickness (mm)	30
C Annulus (mm) (Maximum useable pad width)	57.75
D Air Gap (mm)	16
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x8)
Weight (kg)	8.2



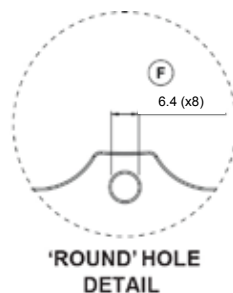
Vent Design



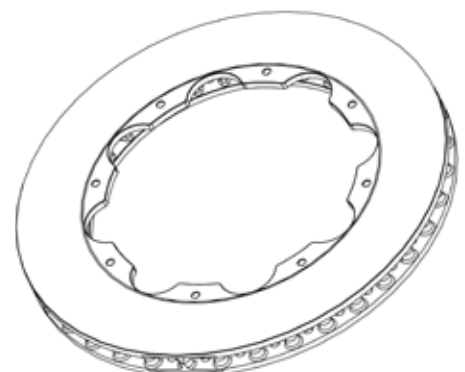
Kangaroo Paw



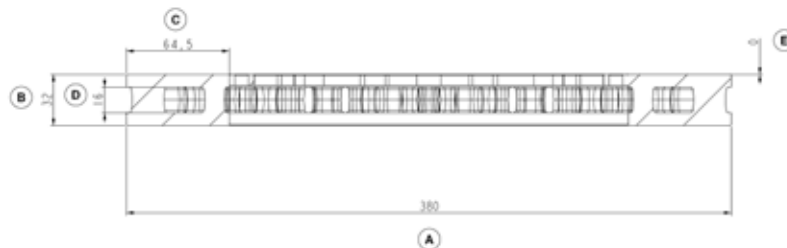
KANGAROO PAW



**'ROUND' HOLE
DETAIL**

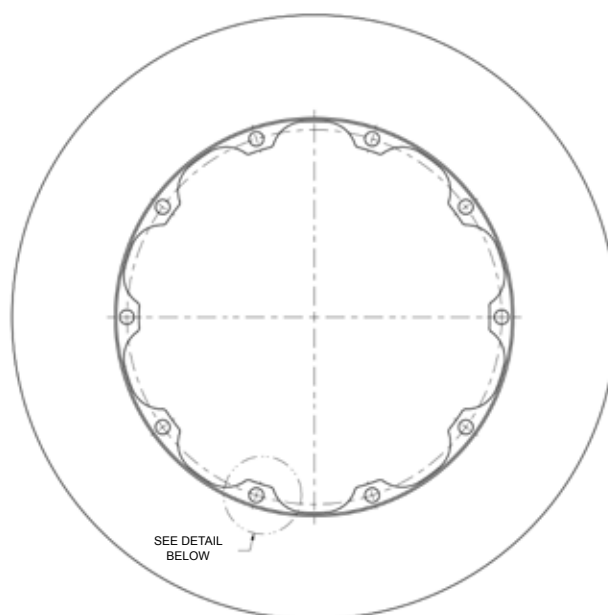


DBA Part No. **DBA 52399.1**



Technical Specifications

A Diameter (mm)	380
B Thickness (mm)	32
C Annulus (mm) (Maximum useable pad width)	64.5
D Air Gap (mm)	16
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	8.5 (x10)



Weight (kg) **9.4**

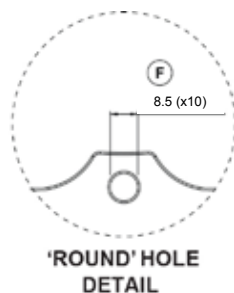
Vent Design



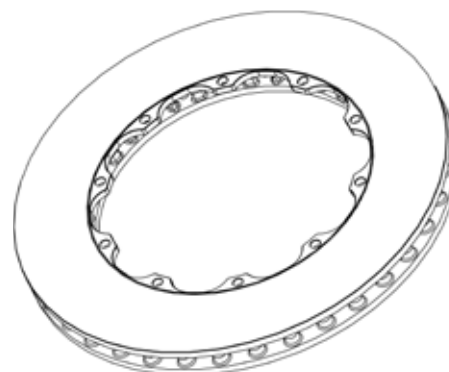
Kangaroo Paw



KANGAROO PAW



**'ROUND' HOLE
DETAIL**



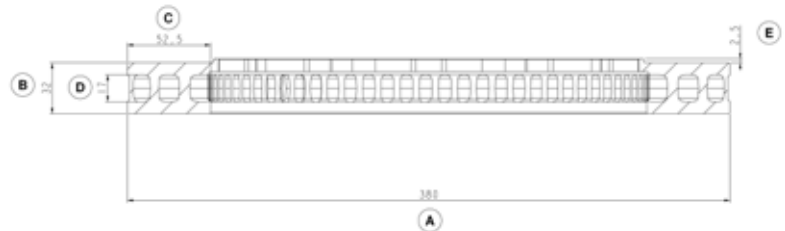
DBA Part Nos.

DBA 52933.1L

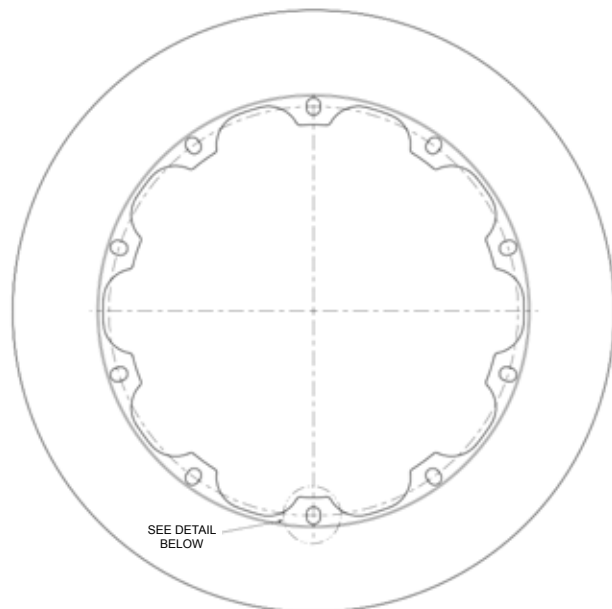
DBA 52933.1R

(Please see fitment details on next page)

Technical Specifications



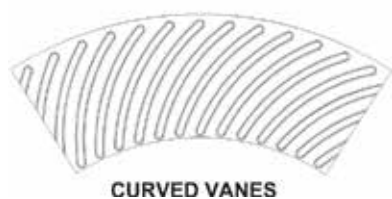
A Diameter (mm)	380
B Thickness (mm)	32
C Annulus (mm) (Maximum useable pad width)	52.5
D Air Gap (mm)	17
E Offset (mm)	+ 2.5
F Dia. & No. of Bolt holes (mm)	8.15 (x10)
Weight (kg)	8.51



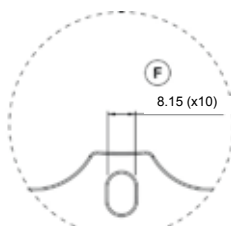
Vent Design



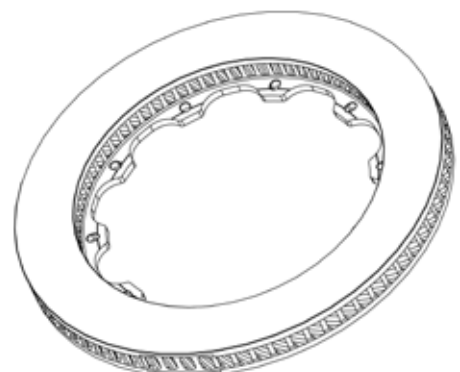
Curved Vanes



CURVED VANES



**'ELONGATED' HOLE
DETAIL**



DBA Part No. **DBA52933.1 L / R**

Alternate Part / Cross Reference **ONLY**

Brembo Part No.

09.5759.74/84 – 17mm Air-Gap

09.5759.98/99 – 17mm Air-Gap

09.8528.74/84 – 17mm Air-Gap

Brembo Part No.

09.5884.73/83 – 20mm Air-Gap

09.A009.74/84 – 20mm Air-Gap

Endless No.

E98-8032-BOLO-CG8

Porsche:

997 Cup (Grand-Am Category)

997 (GT3 Category) Sprint

997 (GT3 Category) Endurance

996 RSR (GT2 Category)

Aston Martin:

DBRS - 9 (GT2)

DBRS - 9 (GT3 Homogation) GTE (2011-on)

DBRS - 9 (GT4 Endurance)

Ferrari:

430 Berlinetta (GT2/GT3 Category)

Ford:

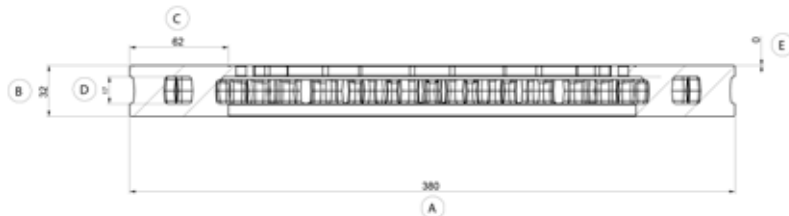
Mustang S197 Boss 302R (GS/GTS/T1)

Chevrolet:

Corvette C6 W.C.GT/Rolex GT

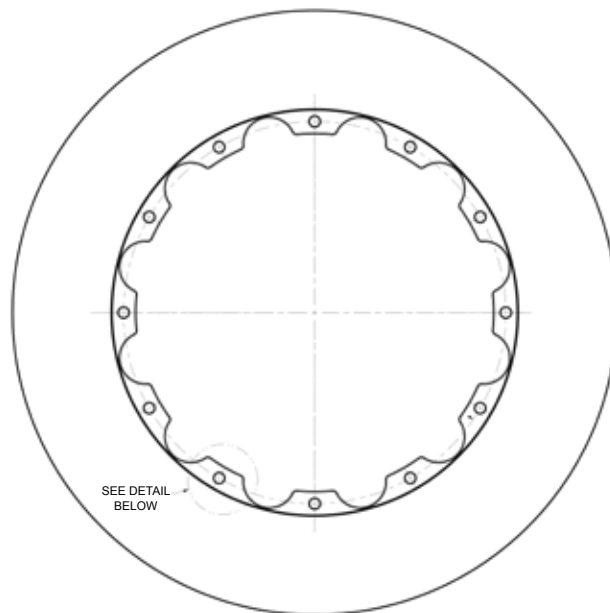
Camaro GS/TS

DBA Part No. **DBA 52900.1**



Technical Specifications

A	Diameter (mm)	380
B	Thickness (mm)	32
C	Annulus (mm) (Maximum useable pad width)	62
D	Air Gap (mm)	17
E	Offset (mm)	0
F	Dia. & No. of Bolt holes (mm)	6.35 (x12)
	Weight (kg)	9.1



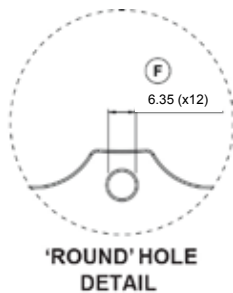
Vent Design



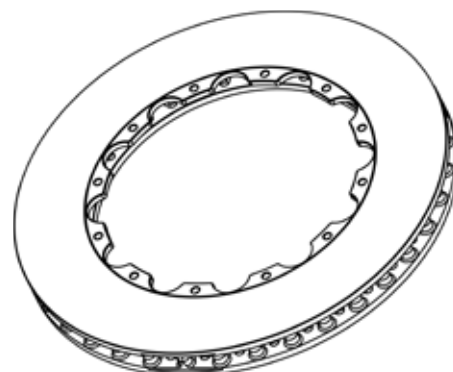
Kangaroo Paw



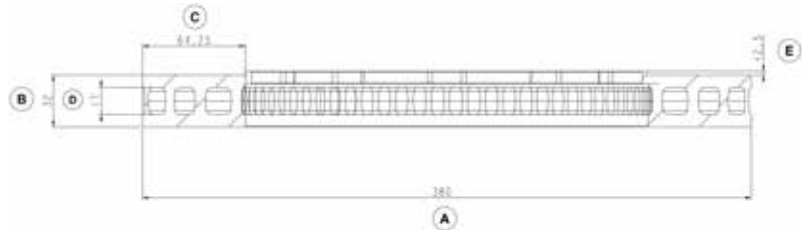
KANGAROO PAW



**'ROUND' HOLE
DETAIL**

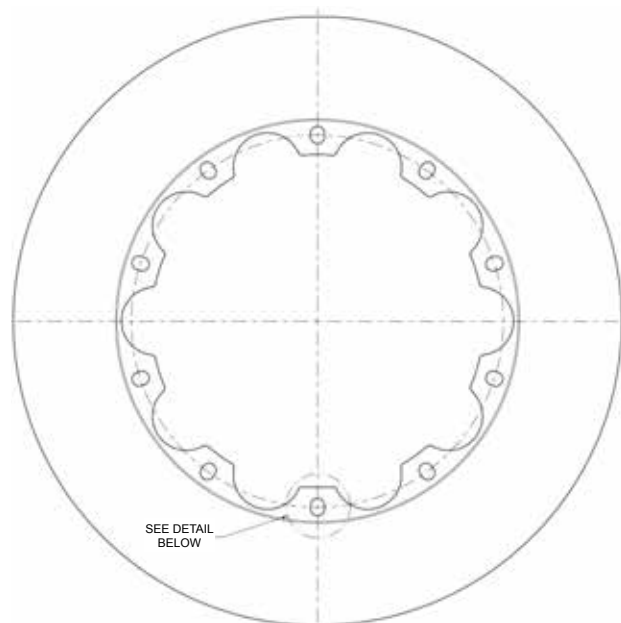


DBA Part Nos.
DBA 59382.1L
DBA 59382.1R



Technical Specifications

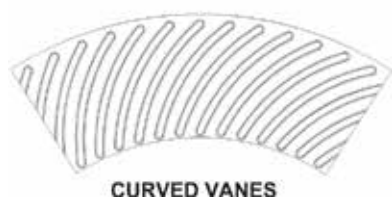
A Diameter (mm)	380
B Thickness (mm)	32
C Annulus (mm) (Maximum useable pad width)	64.25
D Air Gap (mm)	17
E Offset (mm)	+ 2.5
F Dia. & No. of Bolt holes (mm)	8.15 (x10)
Weight (kg)	10.04



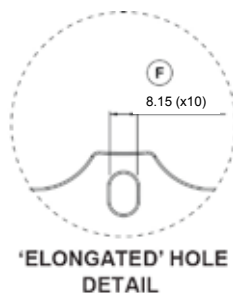
Vent Design



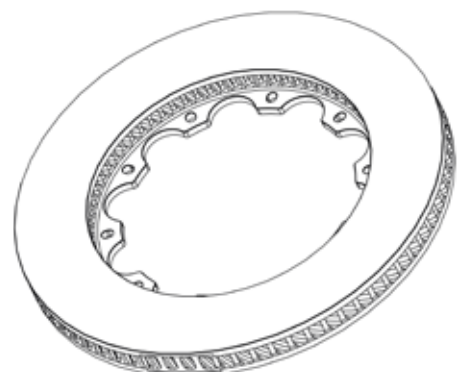
Curved Vanes



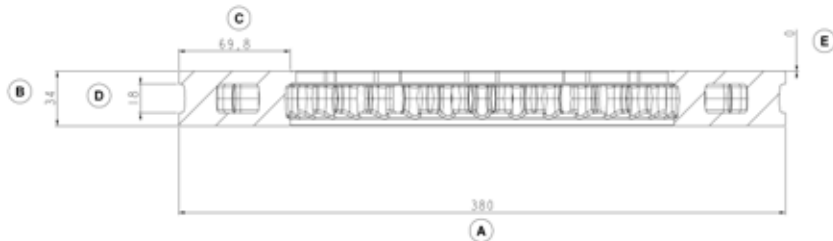
CURVED VANES



**'ELONGATED' HOLE
DETAIL**

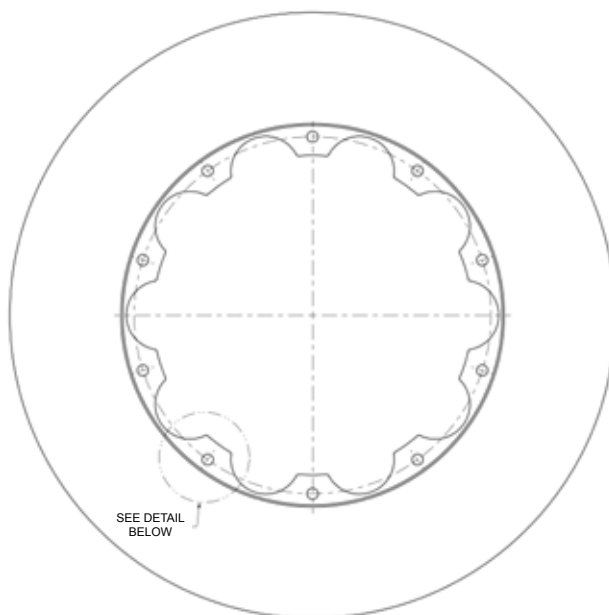


DBA Part No. **DBA 52320.1** (Supplied with 1/4" UNF NAS crimp nuts)



Technical Specifications

A Diameter (mm)	380
B Thickness (mm)	34
C Annulus (mm) (Maximum useable pad width)	69.8
D Air Gap (mm)	18
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x10)
Weight (kg)	10.2



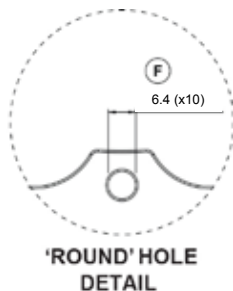
Vent Design



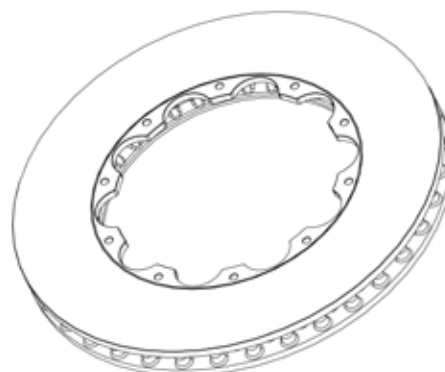
Kangaroo Paw



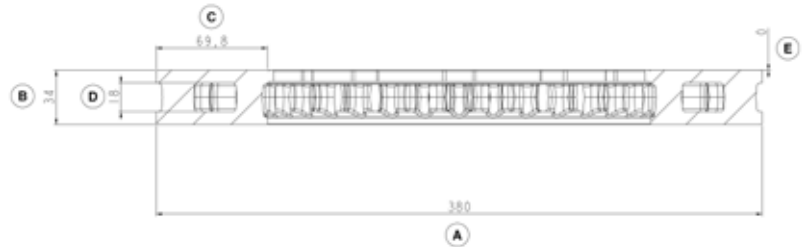
KANGAROO PAW



'ROUND' HOLE
DETAIL

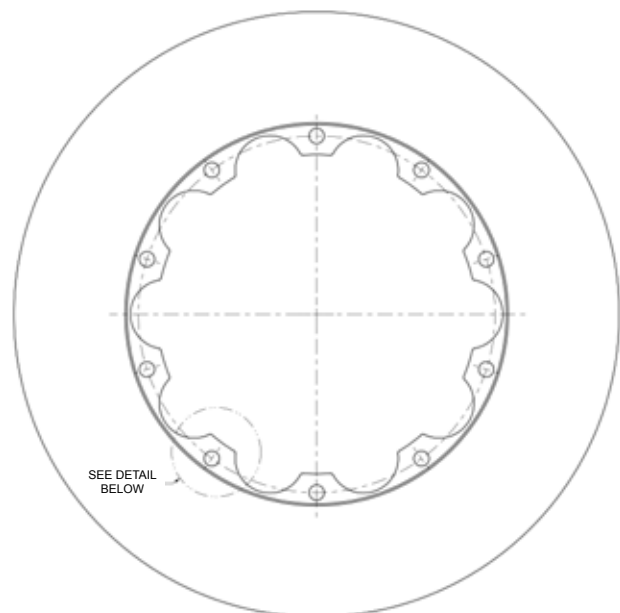


DBA Part No. **DBA 52322.1**



Technical Specifications

A Diameter (mm)	380
B Thickness (mm)	34
C Annulus (mm) (Maximum useable pad width)	69.8
D Air Gap (mm)	18
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	9 (x10)
Weight (kg)	10.2



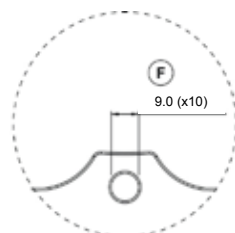
Vent Design



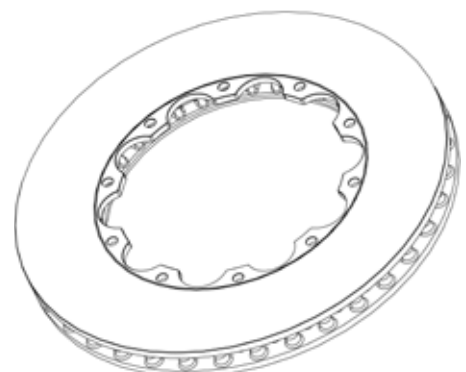
Kangaroo Paw



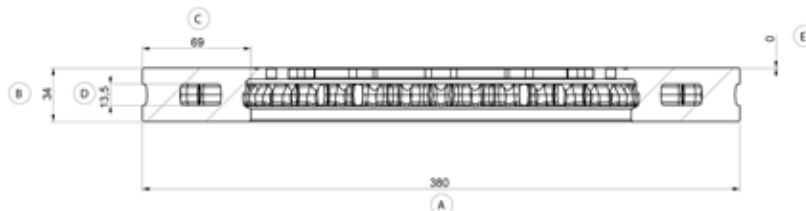
KANGAROO PAW



**'ROUND' HOLE
DETAIL**

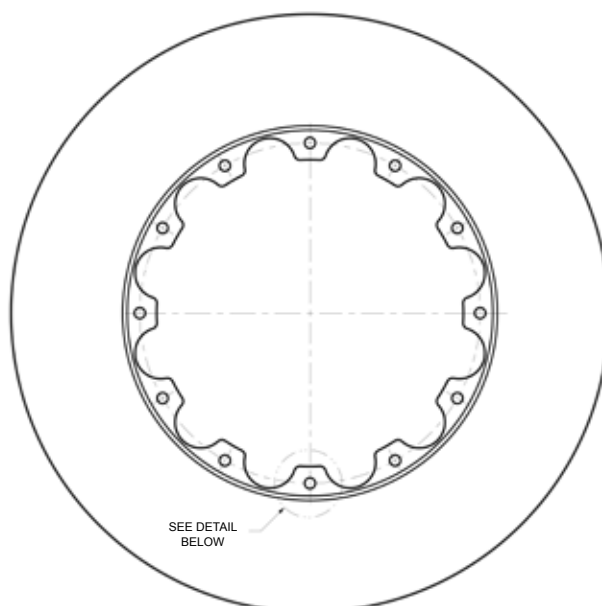


DBA Part No. **DBA 52632.1**



Technical Specifications

A Diameter (mm)	380
B Thickness (mm)	34
C Annulus (mm) (Maximum useable pad width)	69.8
D Air Gap (mm)	13.5
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	6.4 (x12)

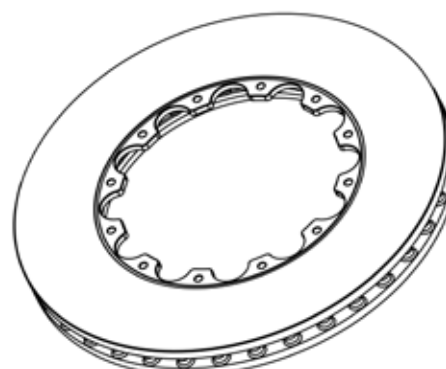
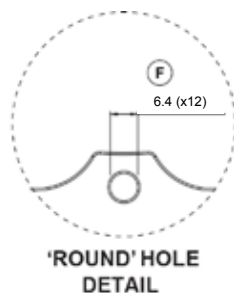


Weight (kg) **11.88**

Vent Design



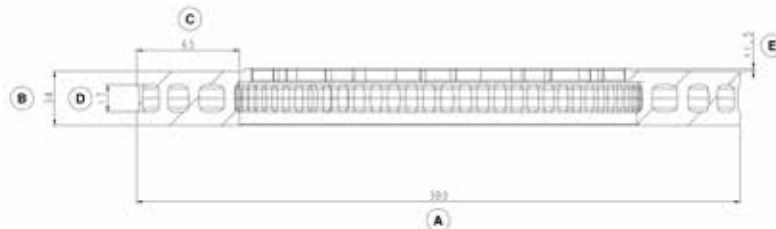
Kangaroo Paw




DBA Part Nos.

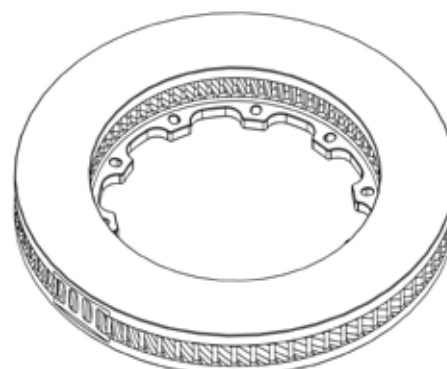
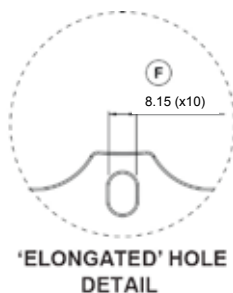
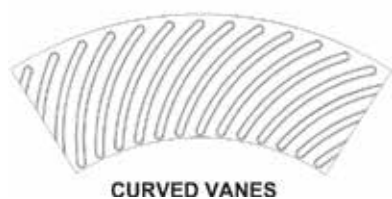
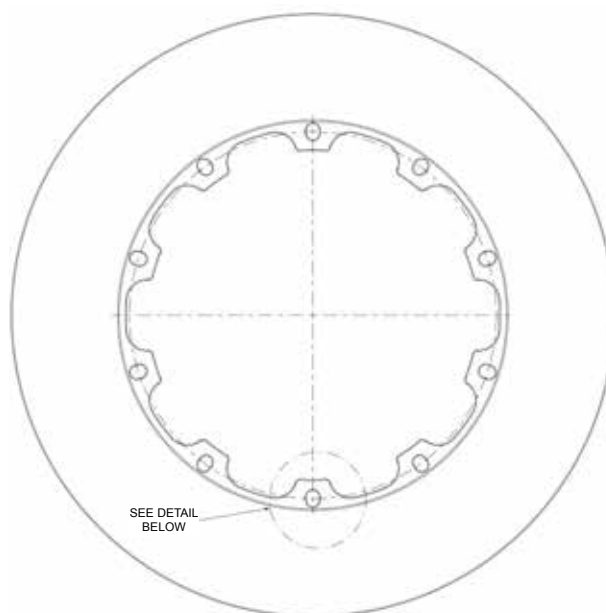
DBA 59384.1L

DBA 59384.1R

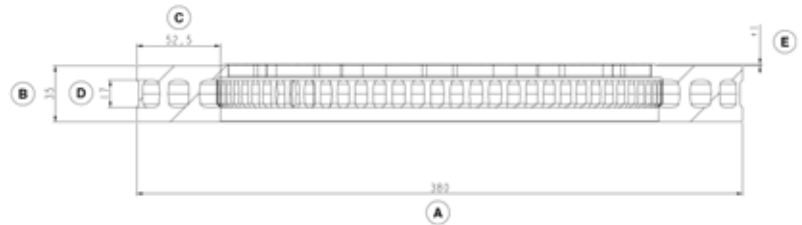


Technical Specifications

A Diameter (mm)	380
B Thickness (mm)	34
C Annulus (mm) (Maximum useable pad width)	65
D Air Gap (mm)	17
E Offset (mm)	+ 1.5
F Dia. & No. of Bolt holes (mm)	8.15 (x10)
Weight (kg)	10.97
Vent Design	 Curved Vanes

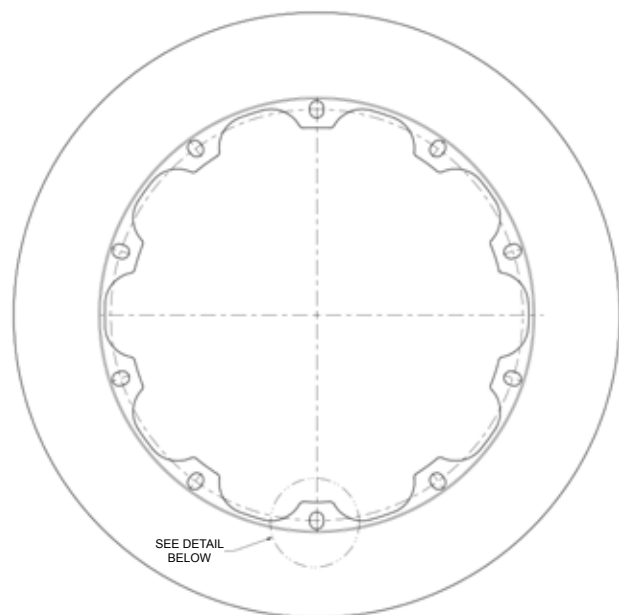


DBA Part Nos.
DBA 52385.1L
DBA 52385.1R



Technical Specifications

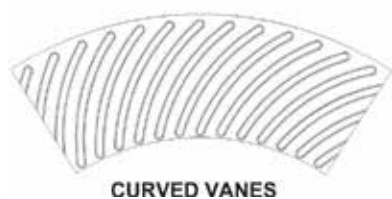
A Diameter (mm)	380
B Thickness (mm)	35
C Annulus (mm) (Maximum useable pad width)	52.5
D Air Gap (mm)	17
E Offset (mm)	+ 1
F Dia. & No. of Bolt holes (mm)	8.15 (x10)
Weight (kg)	9.64



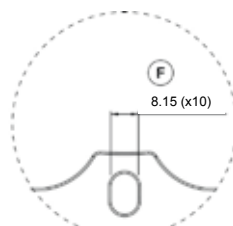
Vent Design



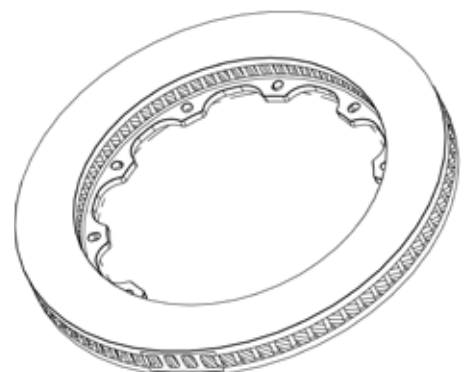
Curved Vanes



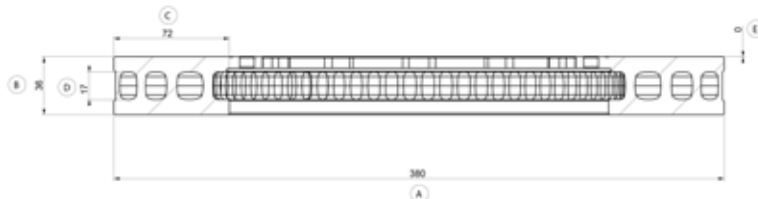
CURVED VANES



**'ELONGATED' HOLE
DETAIL**

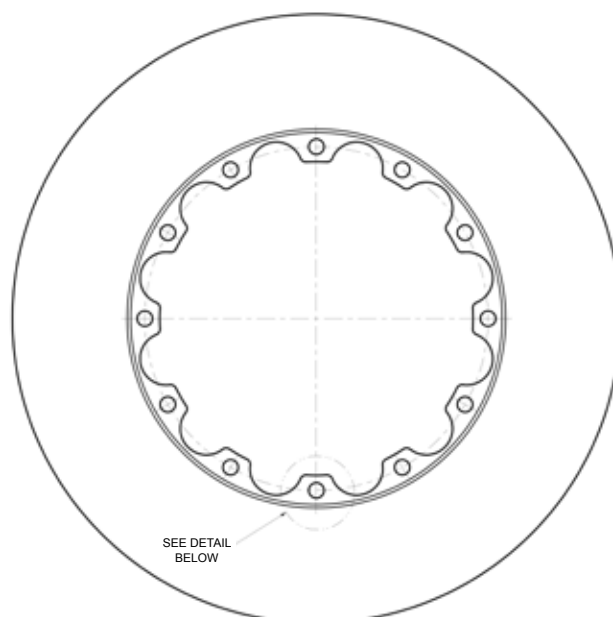


DBA Part No. **DBA 52972.1**



Technical Specifications

A Diameter (mm)	380
B Thickness (mm)	36
C Annulus (mm) (Maximum useable pad width)	72
D Air Gap (mm)	17
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	9.05 (x12)

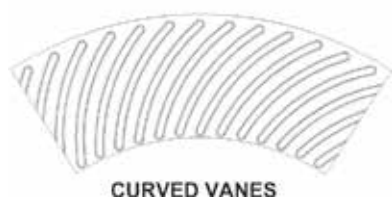


Weight (kg) **12.6**

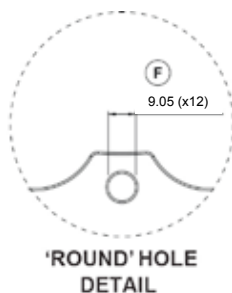
Vent Design



Curved Vanes



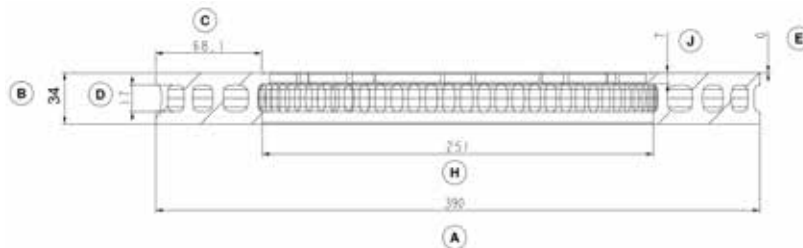
CURVED VANES



**'ROUND' HOLE
DETAIL**

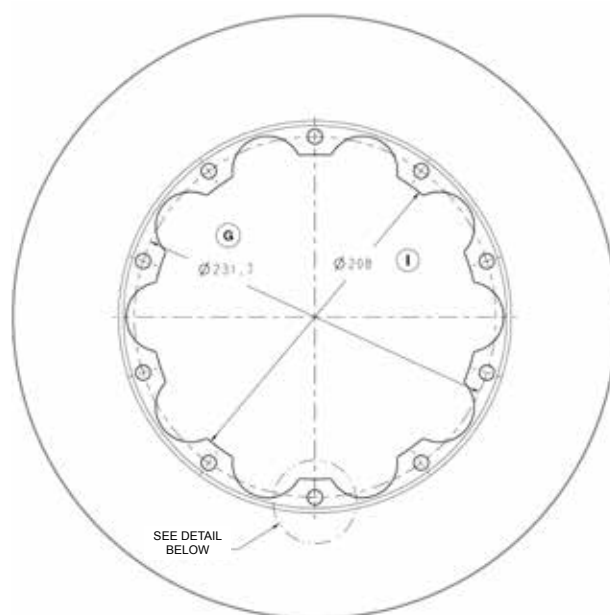


DBA Part Nos.
DBA 52370.1L
DBA 52370.1R



Technical Specifications

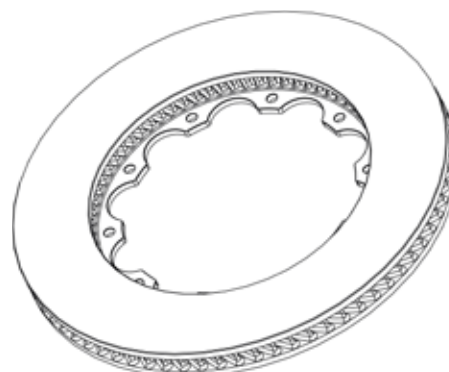
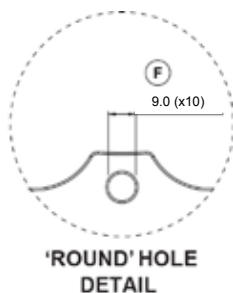
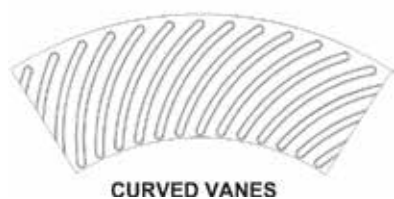
A Diameter (mm)	388
B Thickness (mm)	34
C Annulus (mm) (Maximum useable pad width)	68.1
D Air Gap (mm)	17
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	9 (x10)
Weight (kg)	11.6



Vent Design



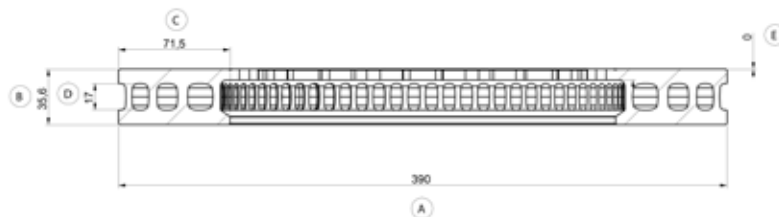
Curved Vanes




DBA Part Nos.

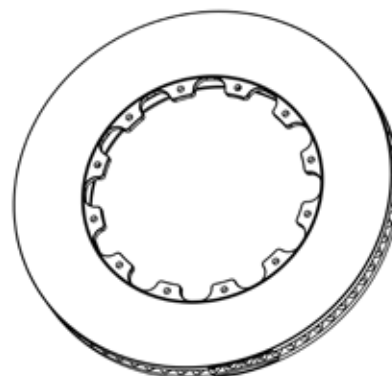
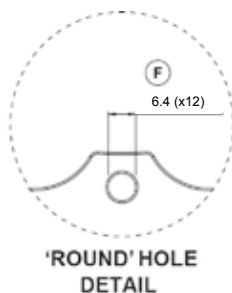
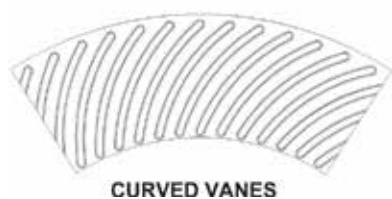
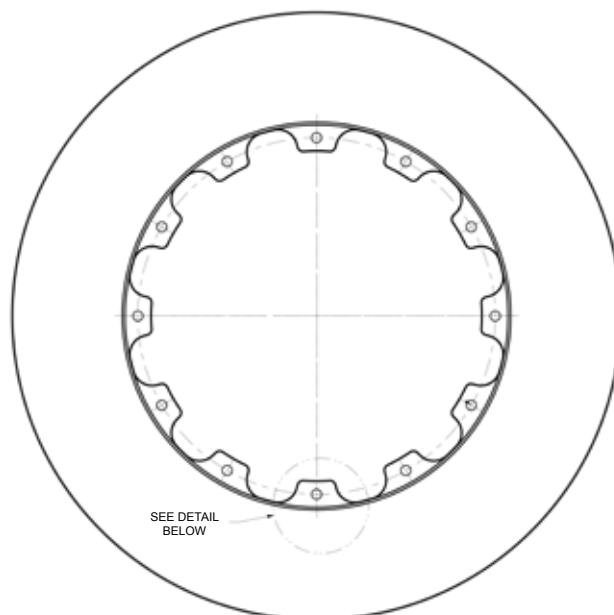
DBA 52068.1L

DBA 52068.1R

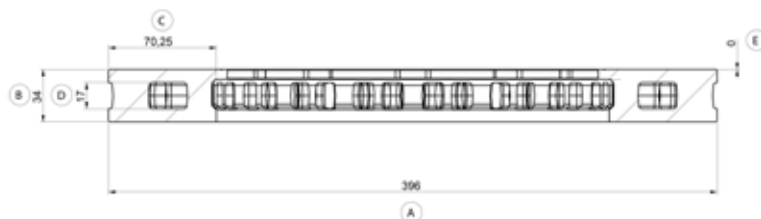


Technical Specifications

A	Diameter (mm)	390
B	Thickness (mm)	35.5
C	Annulus (mm) (Maximum useable pad width)	71.5
D	Air Gap (mm)	17
E	Offset (mm)	0
F	Dia. & No. of Bolt holes (mm)	6.4 (x12)
	Weight (kg)	12.48
	Vent Design	 Curved Vanes

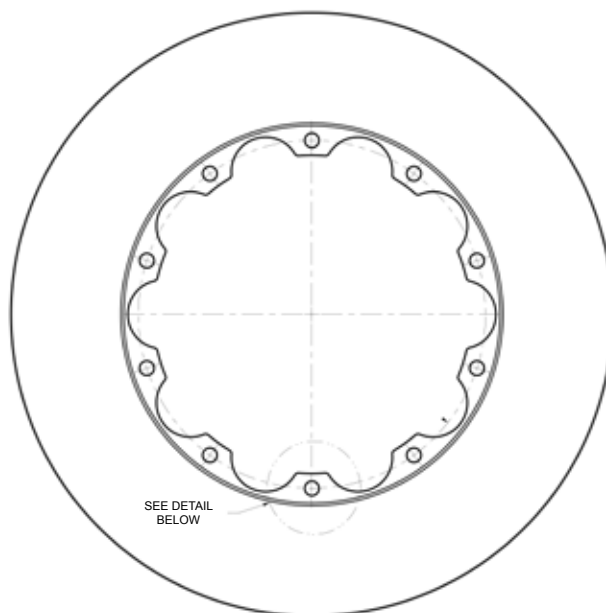


DBA Part No. **DBA 52372.1**



Technical Specifications

A Diameter (mm)	396
B Thickness (mm)	34
C Annulus (mm) (Maximum useable pad width)	70.25
D Air Gap (mm)	17
E Offset (mm)	0
F Dia. & No. of Bolt holes (mm)	9 (x10)
Weight (kg)	11.7



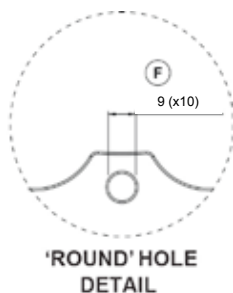
Vent Design



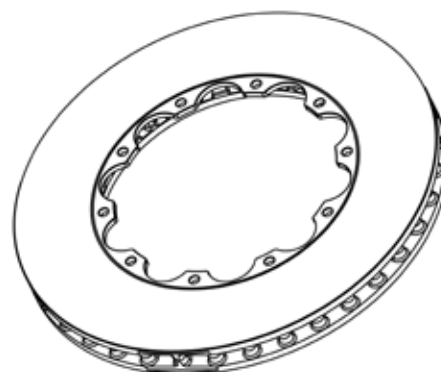
Kangaroo Paw



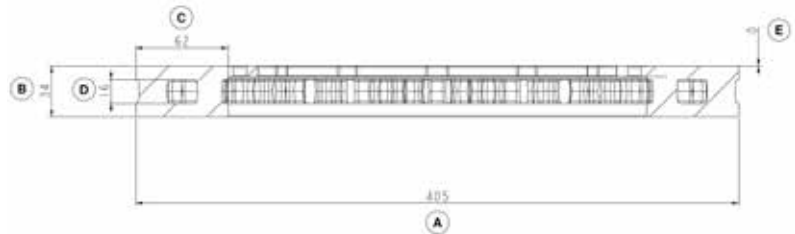
KANGAROO PAW



'ROUND' HOLE DETAIL

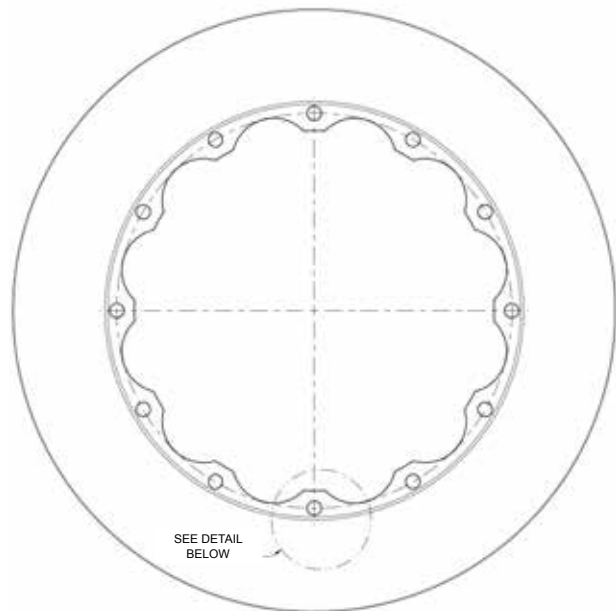


DBA Part No. **DBA 57890.1**



Technical Specifications

A	Diameter (mm)	405
B	Thickness (mm)	34
C	Annulus (mm) (Maximum useable pad width)	62
D	Air Gap (mm)	16
E	Offset (mm)	0
F	Dia. & No. of Bolt holes (mm)	9 (x12)
	Weight (kg)	11.85



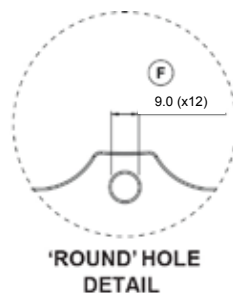
Vent Design



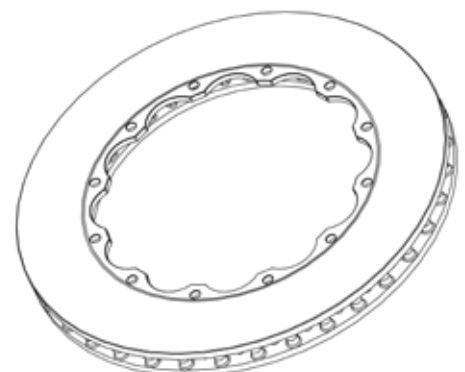
Kangaroo Paw



KANGAROO PAW



**'ROUND' HOLE
DETAIL**

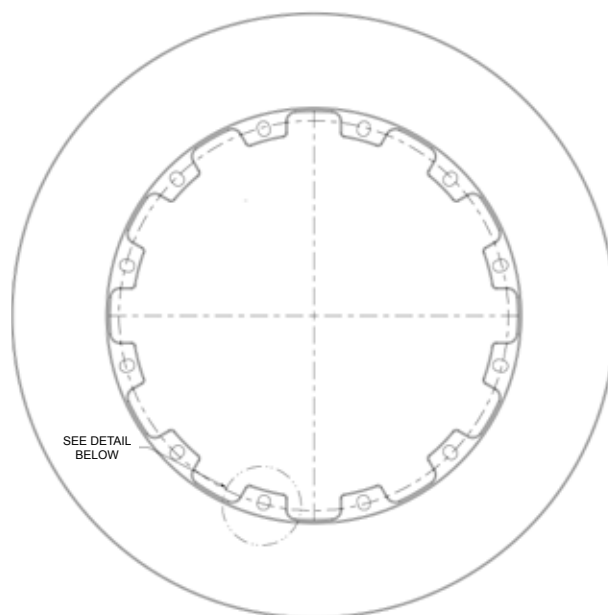


DBA Part No. **DBA 52926.1**



Technical Specifications

A Diameter (mm)	410
B Thickness (mm)	34
C Annulus (mm) (Maximum useable pad width)	64
D Air Gap (mm)	16
E Offset (mm)	+ 3.5
F Dia. & No. of Bolt holes (mm)	8.2 (x12)
Weight (kg)	11.17



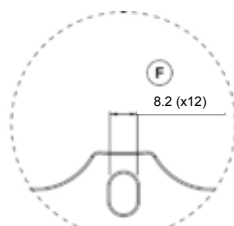
Vent Design



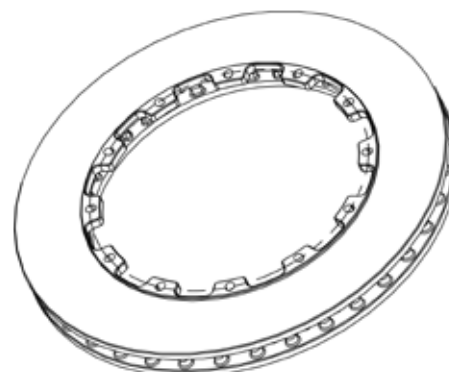
Kangaroo Paw



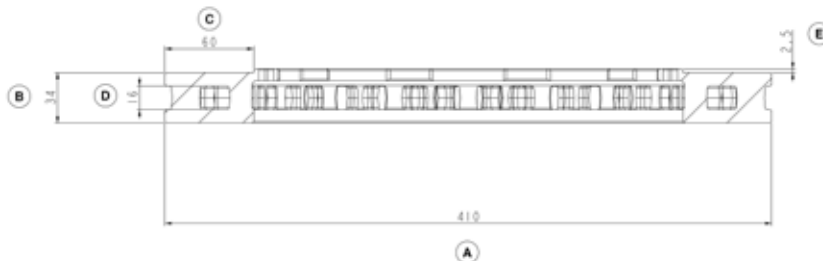
KANGAROO PAW



**'ELONGATED' HOLE
DETAIL**

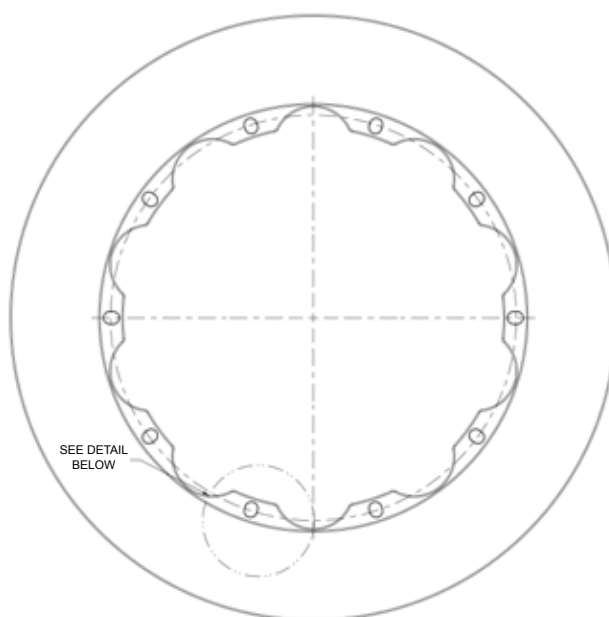


DBA Part No. **DBA 52931.1**



Technical Specifications

A Diameter (mm)	410
B Thickness (mm)	34
C Annulus (mm) (Maximum useable pad width)	60
D Air Gap (mm)	16
E Offset (mm)	+ 2.5
F Dia. & No. of Bolt holes (mm)	8.2 (x10)
Weight (kg)	10.6



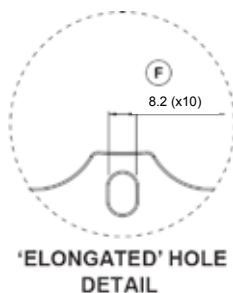
Vent Design



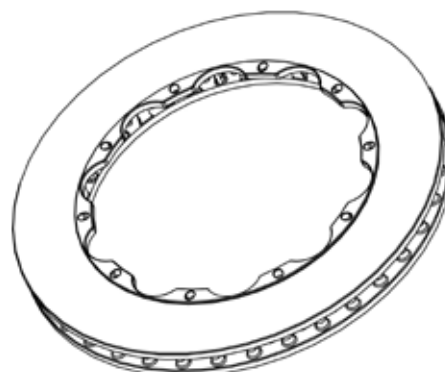
Kangaroo Paw



KANGAROO PAW



**'ELONGATED' HOLE
DETAIL**

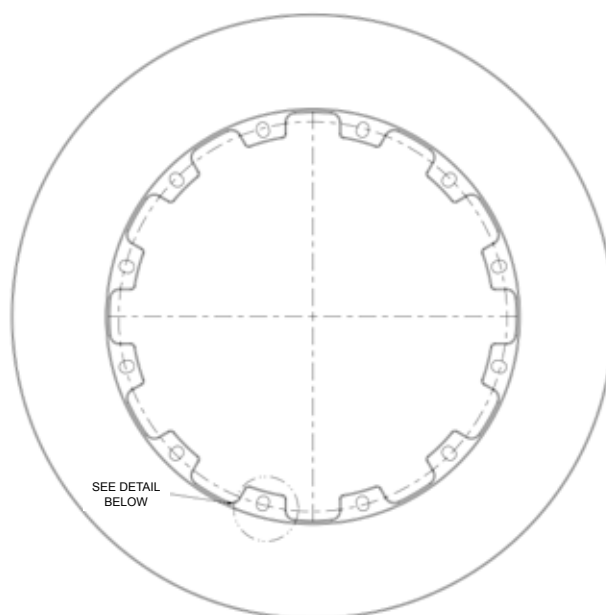


DBA Part No. **DBA 52930.1**



Technical Specifications

A	Diameter (mm)	410
B	Thickness (mm)	36
C	Annulus (mm) (Maximum useable pad width)	64
D	Air Gap (mm)	16
E	Offset (mm)	+ 2.5
F	Dia. & No. of Bolt holes (mm)	8.2 (x12)
	Weight (kg)	12.1



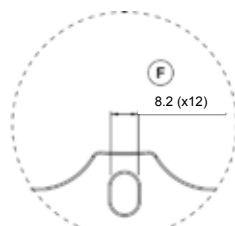
Vent Design



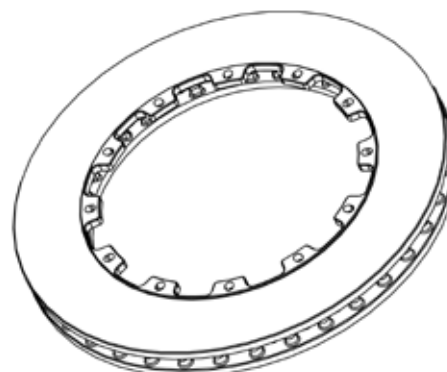
Kangaroo Paw



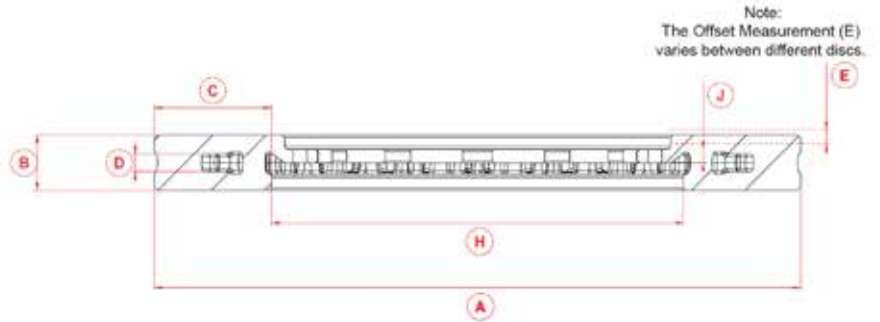
KANGAROO PAW



**'ELONGATED' HOLE
DETAIL**

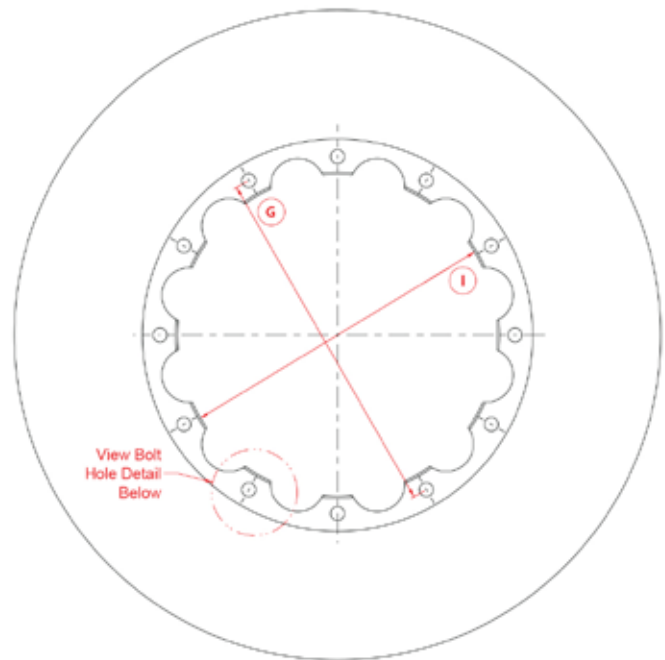


Alternate Part or Cross Reference Notes:



Technical Specifications

- A** Diameter: mm.
- B** Thickness: mm.
- C** Annulus: mm.
Maximum useable pad width.
- D** Air Gap: mm.
- E** Offset: mm.
Flat (0), Raised (+) or Recessed (-).
- F** Bolt Hole Dimension: mm.
(Hole size - view diagram below)
No. of Bolt holes:
- G** Pitch Circle Diameter (P.C.D.): mm.
- H** Inside Diameter: mm.
- I** Flange Inside Diameter: mm.
- J** Flange Thickness: mm.

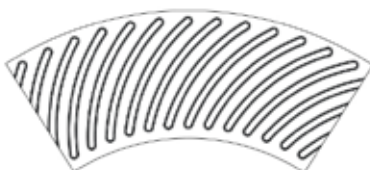


Ventilation: Kangaroo Paw or Curved Vane: _____ .



KANGAROO PAW

OR

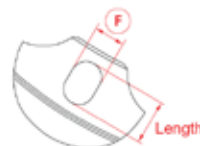


CURVED VANE

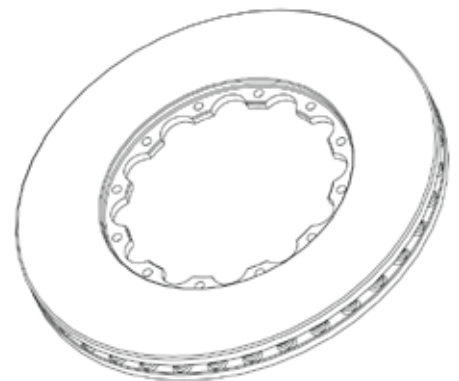


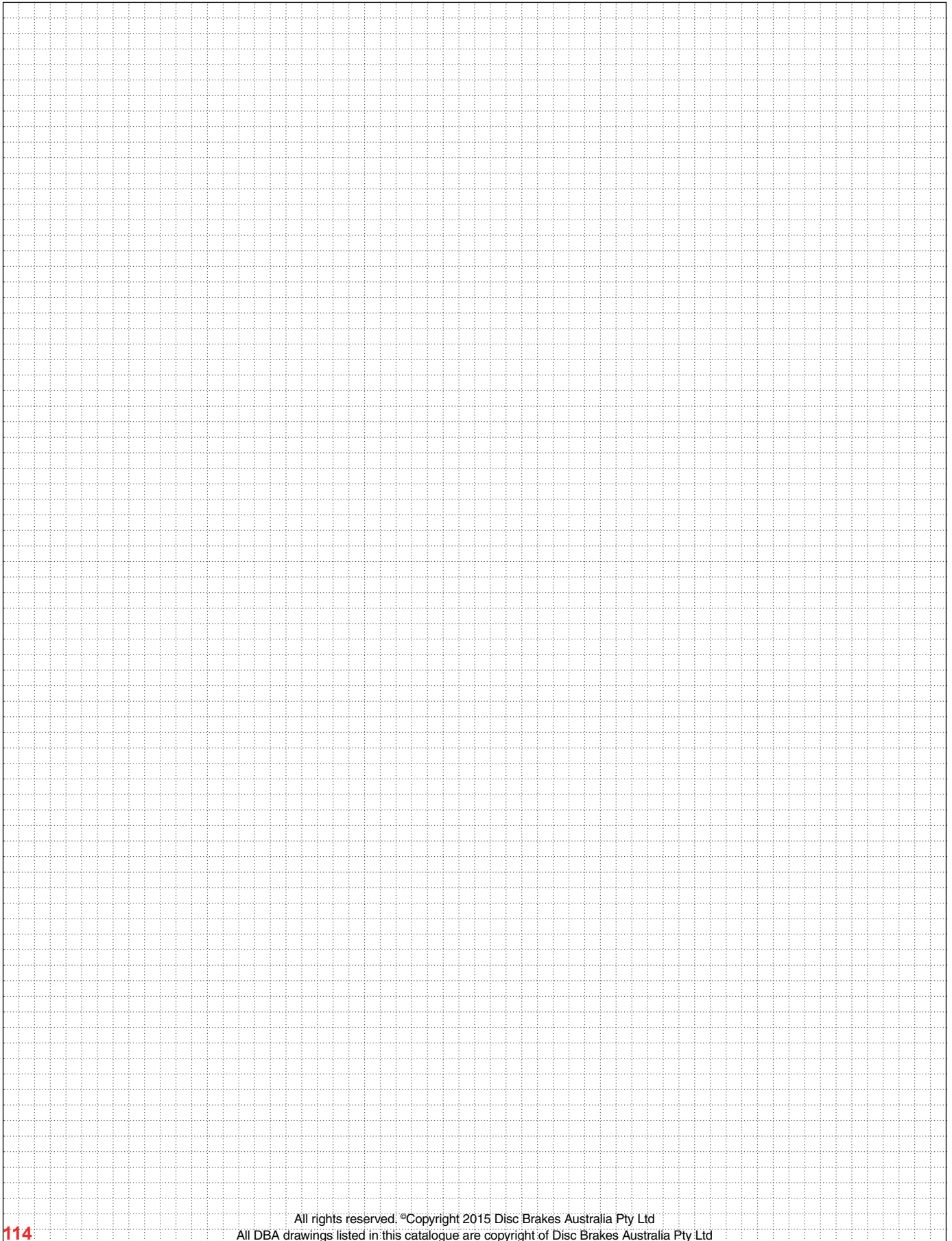
"ROUND" BOLT HOLE DETAIL

OR



"OVAL" BOLT HOLE DETAIL





Warranty Statement

Standard Communications Warranty against defects

IMPORTANT: THIS WARRANTY APPLIES TO ALL GOODS SOLD BY US ON OR AFTER 1 JANUARY 2012 AND IT REPLACES ANY PREVIOUS WARRANTY STATEMENTS IN RELATION TO SUCH GOODS.

1. This warranty against defects ("Warranty") is given by Disc Brakes Australia Pty Ltd ABN 12 003 543 995 of address Unit 33 / 2 Slough Avenue Silverwater NSW 2128 Australia ("We, Us, Our or DBA").
This Warranty only applies to products purchased in Australia. Please contact your local DBA distributor for products sold outside of Australia.
Local distributor details at <http://www.dba.com.au/where-to-buy/>
2. Warranty
- 2.1 We warrant, to the original purchaser ("You") that Our goods will be free from defects in materials and workmanship for 12 months or 20,000 kms (12,000 miles) from the date of purchase whichever occurs earlier ("Warranty Period), provided that subject to Our obligations under clause 2.3, We will at Our option either repair or replace goods where;
 - (a) We are satisfied that the goods are defective; and
 - (b) Freight charges both ways are paid for by You and We accept no liability for loss or damage during transit.
- 2.2 No repair or replacement during the Warranty Period will renew or extend the Warranty specified in this clause;
- 2.3 Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.
- 2.4 Notwithstanding the preceding clause, Our liability in respect of a breach of a consumer guarantee, condition, warranty or other obligation made under this Warranty is limited, to the extent permissible by law, at Our option to:
 - (a) in the case of goods We supply;
 - (i) the replacement of the goods or the supply of equivalent goods;
 - (ii) the repair of the goods;
 - (iii) the payment of the cost of repairing the goods or of acquiring equivalent goods;
 - (iv) the payment of the cost of having the goods repaired.
 - (b) in the case of services We supply;
 - (i) the supplying of the services again;
 - (ii) the cost of having the services supplied again.
- 2.5 To the extent permitted by law, all other warranties whether implied or otherwise, not set out in this Warranty are excluded and We are not liable in contract, tort (including, without limitation, negligence or breach of statutory duty) or otherwise to compensate You for:
 - (i) any increased costs or expenses;
 - (ii) any loss of profit, revenue, business, contracts or anticipated savings;
 - (iii) any loss or expense resulting from a claim by a third party; or
 - (iv) any special, indirect or consequential loss or damage of any nature whatsoever caused by Our failure in complying with our obligations.
- 2.6 We warrant that We will perform any Warranty services with reasonable care and skill and agree to investigate any complaint regarding Our services made in good faith. To the extent permitted by law, Our liability in relation to such services is limited to matters set out in clause 2.4(b) provided that We are satisfied that the complaint is justified.
- 2.7 To make a claim pursuant to this Warranty You must, before the end of the Warranty Period, contact the reseller, distributor or workshop from where You purchased the product and follow their warranty claim instructions. In the event that the reseller or repairer is no longer trading, please phone DBA on 1800 730 039 where you will be assisted.
- 2.8 This Warranty is in addition to and does not limit, exclude or restrict your rights under the Competition and Consumer Act 2010 (Australia) or any other mandatory protection laws that may apply.
3. What this warranty does not cover
- 3.1 This warranty will not apply in relation to:
 - (a) goods modified or altered in any way;
 - (b) defects and damage caused by use with non standard tools
 - (c) repairs performed other than by an authorised mechanical or brake expert;
 - (d) defects or damage resulting from misuse, accident, impact or neglect;
 - (e) goods improperly installed or used in a manner contrary to the relevant instruction manual; or
 - (f) goods where the serial number part number on the product has been removed
 - (g) all associated components are within recommended specifications
 - (h) the rotor that has been subjected to conditions beyond those for which it was intended, such as, but not limited to, being used in any form of motor sport.

Motorsport Warranty Statement

DBA's warranty will not apply in relation to: use of the product for any form of motorsport or speed trial.

Whilst DBA promote it's product for use in motor sport applications, DBA cannot warrant the product when used in any form of motor sport because it may be subjected to many variables that are not controllable (such as vehicle modifications, ie. wheels, tyres, suspension).

DBA cannot be held responsible for fitment if; not installed by a licensed motor mechanic or licensed brake specialist, wear and tear and lack of maintenance, including situations, where DBA's product is used past the design limits.

This by no means detracts from the quality of the product DBA manufacture, its simply states that if the product is used in motor sport applications, DBA have no control on how or by whom the product is used.

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