

TDI Lightweight Two-Piece Brake Rotors

Reducing unsprung, rotating weight can have a very significant impact upon a car's performance. These high-tech rotors are available for Swift, Reynard and Van Diemen applications that use Lockheed LD 19 or LD 20 brake calipers. The billet aluminum hat section is precision machined to allow thermal expansion without cracking. The ferrous discs are cross-drilled for

improved braking and weight reduction. The complete hat and disc assembly for an LD 19 caliper weighs less than 3.6 pounds! The discs for LD 20 calipers are the same thickness as the LD 19 disc (.280 inch) for additional weight reduction. TDI rotors are made in the USA. **Note:** Some older Van Diemen uprights may require modification for rotor clearance.



TDI Lightweight Brake Rotor Assembly
Part No. 3540-01

Disc, Hat and Hardware Kit
are also available separately.

1, 2, or 4 Rotors?

Pro road racing teams typically replace all 4 rotors at once. The next best option is to replace the two rotors at one end of the car. In road racing, the front wheels typically work together and the rear wheels normally work together. If one front rotor is worn or cracked, the other can't be far behind!

TDI Lightweight Two-Piece Brake Rotors (all dimensions are in inches)

Applications	O.D.	Total Height	Rotor Thick.	I.D.	Bolt Circle Details (see photo)	Disc with Hat		Drilled Disc Only		Hat Only	
						Part No.	Price ea.	Part No.	Price ea.	Part No.	Price ea.
Swift, Van Diemen with LD 19	9.85	1.63	0.285	3.00	Multiple bolt patterns: (2 sets of four) $\frac{3}{8}$ " holes on 3.75" bolt circle and (4) 0.535" holes on 3.75" bolt circle (see photo)	3540-01	\$244.99	3541-01	\$169.99	3542-01	\$150.99
Swift, Van Diemen with LD 20	10.12	1.63	0.285	3.00		3540-02	\$244.99	3541-02	\$169.99	3542-01	\$150.99
Reynard 87 and newer with LD 19	9.85	1.63	0.285	2.50		3540-03	\$244.99	3541-01	\$169.99	3542-02	\$157.99
Reynard 87 and newer with LD 20	10.12	1.63	0.285	2.50		3540-04	\$244.99	3541-02	\$169.99	3542-02	\$157.99
Reynard to 86 with LD 20	10.00	1.63	0.285	2.50		3540-05	\$244.99	3541-03	\$169.99	3542-02	\$157.99
Swift DB-2/DB-5 with LD 20	10.00	1.63	0.285	3.00		3540-06	\$244.99	3541-03	\$169.99	3542-01	\$150.99

Hardware Kit for TDI Lightweight Brake Rotor - includes 6 high strength screws & 6 MS21042 Jetnuts (for 1 rotor) **Part No. 3543 \$21.29**

TDI Grooved and Scalloped Brake Discs

Even if you prefer to avoid crossdrilled discs, you can still reduce some unsprung weight and rotating inertia by pairing the TDI hats above with these TDI grooved brake discs. These ferrous discs have a 6x140mm bolt pattern to accept either of the TDI hats above (sold separately). The discs measure the same 0.285" thick as the crossdrilled discs, but they have staggered grooves milled into the friction surfaces. The grooves radiate straight out from the center, so the discs are not directional (one disc fits either right or left side). The grooved and scalloped rotors have a scalloped (wavy) outer edge to reduce rotating inertia even further. The scalloped pattern also helps to reduce issues with radial heat cracks from thermal expansion. Discs sold individually. Each disc requires a TDI hat and hardware kit (each sold separately above).

TDI Grooved Brake Disc only

9.85" OD (LD 19)..... Part No. 3544-001-01 \$169.99
10.12" OD (LD 20)..... Part No. 3544-001-02 \$169.99

TDI Grooved and Scalloped Brake Disc only

9.85" OD (LD 19)..... Part No. 3544-002-01 \$184.99
10.12" OD (LD 20)..... Part No. 3544-002-02 \$184.99



TDI Grooved Brake Disc
Part No. 3544-001-01



TDI Grooved and Scalloped Brake Disc
Part No. 3544-002-01

PFC Brake Discs for Van Diemen

PFC Front Brake Disc for
1994 and Later Van Diemen
Left side shown
Part No. PF255-100042-03



These floating discs are manufactured by Performance Friction to fit the front of 1994 and later Van Diemen formula cars. This includes FC/F2000, Zetec 2000, Pro FF2000, and those converted to FF1600. The 6-bolt disc fastens directly to the original Van Diemen hub using the stock attachment bolts (or our Van Diemen Drive Bolts, sold separately below). Measures 10" OD x 0.39" thick with radial grooves on the friction surfaces. Sold individually.

Performance Friction Brake Discs for 94+ Van Diemen (front)

Left (shown)..... Part No. PF255-100042-03..... \$209.99
Right..... Part No. PF255-100042-04..... \$209.99

High-Strength Brake Hat Attachment Bolts



$\frac{5}{16}$ -18 x 0.85
64 piece kit
Part No. 3547-002



$\frac{1}{4}$ -28 x 0.75
48 piece bolt kit
Part No. 3547-003

Van Diemen Floating
Disc Drive Bolt
Part No. 3547-004
sold individually



The bolts in the following ARP kits are made of 8740 chrome moly steel for 200,000 psi tensile strength! Pre-drilled 12-point heads make safety wiring easy.

$\frac{5}{16}$ -24 x 0.88 Bolts with Washers, 64 piece kit..... Part No. 3547-001..... \$104.52
This kit from ARP is designed to fit JFZ brake rotors and other that use $\frac{5}{16}$ -24 x $\frac{7}{8}$ " fine threaded bolts. Includes 32 bolts and 32 high strength washers.

$\frac{5}{16}$ -18 x 0.85 Bolts with Washers, 64 piece kit..... Part No. 3547-002..... \$104.52
This kit from ARP includes 32 bolts and 32 high strength washers.

$\frac{1}{4}$ -28 x 0.75 Bolts, 48 piece kit..... Part No. 3547-003..... \$140.29
This kit from ARP is designed to fit AP brake rotors and others that use $\frac{1}{4}$ -28 x $\frac{3}{4}$ " fine threaded bolts. Includes 48 bolts only. Does not include washers.

The following special Van Diemen bolt is sold individually, not in a kit.

Van Diemen Floating Disc Drive Bolt, each..... Part No. 3547-004..... \$18.99 ea.
This special bolt is used to attach the floating brake disc to the hub on 1994 and later Van Diemen FF1600 and FC/FF2000 cars. Each rotor requires 6 bolts; sold individually.