

POWERBRAKE



POWERBRAKE D-LINE 4x4 direct-fit brake kits



The new discs by POWERBRAKE for street and off-road use are totally renewed. We worked closely with cast suppliers to achieve an alloy with optimum carbon content for effective heat dispersion through the cooling channels. Fast cooling means less thermal stress during use.

We have also improved the outer coating by opting for a black paint resistant to very high temperatures. This new black coating is the same one of our race kits fitted on the vehicles of the FIA World Rally-Raid and used by teams in circuit championships.

Turned out not easy to develop a pattern of slots that can perform rapid evacuation of water, mud and sand from the braking surface of the disc. Aspect profile very simple in appearance, it has prompted a large number of hours spent in simulation and analysing each parameter sensitive to practical use. More road tests and track have confirmed the correctness of the choices made during development. We consider the results very satisfactory: noise, vibration and harshness (NHV) very low during braking and effective progressive braking delivered.

Features:

- cast from high-carbon iron alloys;
- machined to very tighter tolerances resulting in smooth vibration-free operation;
- spiral slot pattern clears friction gasses, debris and water from disc surface;
- proprietary disc surface coating for quicker bed-in and improved rust protection.



Benefits at a glance:

- reduced stopping distances in both wet and dry conditions;
- improved brake consistency under spirited driving conditions or when carrying heavy loads;
- significantly increased disc wear life.

DIRECT-FIT FRONT KITS

<i>Model</i>	<i>Derivative</i>	<i>Year</i>	<i>Solid Vent</i>	<i>Disc Part No</i>	<i>Diam</i>	<i>Thick</i>	<i>Studs</i>	<i>PB01 Part #</i>	<i>Mintex Part #</i>	<i>FMSI</i>	<i>WVA</i>
FORD											
Ranger	RANGER 2 (4X4 / High Rider) 2.5TD / 4.0V6	09/03-06/07	V	393	289	28	6	-	MDB2778	D1574	
Ranger	RANGER 3 (4X4 / High Rider) 3.0TDCi / 4.0V6	07/07-'11	V	393	289	28	6	-	MDB2778	D1574	
Ranger	RANGER T6 (P375 2.2TDCi, 2.5P, 3.2TDCi)	02/'12-on	V	421	302	32	6	1003PB01	MDB3265	D1676	
Ranger	RANGER RAPTOR (2.0L twin turbo diesel)	05/'19-on	V	TBA	332	32	6	-	-		
JEEP											
Cherokee	CHEROKEE (most) - (XJ box shape) 78.5mm disc height	'93-'01	V	131	280	24.5	5	-	MDB1769	D477 / D712	
Cherokee	CHEROKEE / LIBERTY (3.7, 2.5D, 2.8D) (KJ)	'02-'07	V	338	288	28	5	-	MDB2215	D856	
Grand Cherokee	GRAND CHEROKEE (most) '91-99 (ZJ)		V	131	280	24.5	5	-	MDB1769	D477 / D712	
Grand Cherokee	GRAND CHEROKEE (ATE caliper) '99-9/02 (WJ)	'99-9/02	V	334	305	26	5	-	MDB2153	D790	
Grand Cherokee	GRAND CHEROKEE (Akebono caliper) '10/02-'05 (WJ)	10/02-'05	V	334	305	26	5	-	MDB2376	D945	
Grand Cherokee	GRAND CHEROKEE (All excl SRT-8) '05-'11 (WK)	'05-'11	V	416	328	30	5	-	MDB2705	D1080	
Wrangler	WRANGLER - (TJ) 78.5mm disc height	'97-'06	V	131	280	24.5	5	-	MDB1769	D477 / D712	
Wrangler	WRANGLER JK	'07-'13	V	400	302	28	5	1005PB01	MDB3000	D1273	
Wrangler	WRANGLER JK with 332mm discs	'07-'13	V	476	332	28	5	1005PB02	MDB3001	D1273	
LAND ROVER											
Defender	90 & 110 - with solid disc		S	327	298,5	14	5	-	MLB114	D671	21519
Defender	90 & 110 - with solid disc - ALTERNATE PAD		S	327	298,5	14	5	-	MLB116	D520	
Defender	DEFENDER (90, 110, 130) - with ventilated disc		V	069	298,5	24	5	-	MLB114	D671	21519
Discovery	DISCOVERY SER 1 '89-'93 - with solid disc (2 piston opposed caliper)		S	327	298,5	14	5	-	MLB85	D519	
Discovery	DISCOVERY SER 1 '89-'93 - with solid disc (4 piston opposed caliper)		S	327	298,5	14	5	-	MLB116	D520	
Discovery	DISCOVERY SER 1 '94-'98 - with ventilated disc		V	069	298,5	24	5	-	MLB116	D520	
Discovery	DISCOVERY SER 2 (all) '99 - 02/05		V	299	297	25	5	-	MDB1701	D676	23452
Discovery	DISCOVERY SER 3 (4.0 V6, 2.7 TDV6)	'05-'09	V	406	317	30	5	-	MDB2712	D1098	
Discovery	DISCOVERY SER 3 (4.4 V8)	'05-'11/09	V	300	337,5	30	5	-	MDB2712	D1098	
Discovery	DISCOVERY SER 4 (3.0 TDV6 XS w/ 155kW) 18" wheels	'13-on	V	406	317	30	5	-	-		
Discovery	DISCOVERY SER 4 (3.0TDV6 and SDV6 w/ +180kW, 5.0V8)	'10-on	V	379	360	30	5	-	MDB3124		
Discovery	DISCOVERY SER 4 (3.0 Supercharged petrol)	'14-on	V	379	360	30	5	-	MDB3124		
MITSUBISHI											
Montero / Pajero	PAJERO (2.6, 3.0 GLS/GLX, 2.8TDi)	'91-'99	V	386	276	24	6	-	MDB1539	D530	
Montero / Pajero	PAJERO (3.5 V6 with ABS) 2nd Gen	'95-'99	V	273	276	27	6	-	MDB1539	D530	
Montero / Pajero	PAJERO SPORT (3.5V6 MIVEC engine) 2nd Gen	'97	V	372	314	24	6	-	MDB1539	D530	

DIRECT-FIT FRONT KITS

Model	Derivative	Year	Solid Vent	Disc Part No	Diam	Thick	Studs	PB01 Part #	Mintex Part #	FMSI	WVA
Montero / Pajero	PAJERO CK (3.2DT, 3.5i) 3rd Gen	'00-03/07	V	028	290	26	6	1013PB01	MDB1845	D550/D867	
Montero / Pajero	PAJERO BK (SWB 3.8V6, 3.2DiD) 4th Gen	03/07-ON	V	006	290	26	6	1013PB01	MDB1845	D550/D867	
Montero / Pajero	PAJERO BK (LWB 3.8V6, 3.2DiD) 4th Gen	03/07-ON	V	375	332	28	6	1001PB01	MDB2984	D976	
Montero / Pajero	PAJEROSPORT 3.2DiD	09/09-'14	V	394	294	28	6	1006PB01	MDB2882	D1519	
L200 / Strada / Triton	L200 (2.4, 2.5DiD, 3.2DiD, 3.5V6)	'07-'14	V	394	294	28	6	1006PB01	MDB2882	D1519	
NISSAN											
Pathfinder	PATHFINDER (2.5dCi & 4.0V6)	'05-on	V	298	295	28	5	1015PB01	MDB2715	D1094	
Pathfinder	PATHFINDER V9X (3.0 dCi)	'10-on	V	423	320	28	6		MDB2247	D888	
Navara	NAVARA (4.0V6 models)	'05-on	V	298	295	28	6	1015PB01	MDB2715	D1094	
Navara	NAVARA (2.5dCi) has 16" wheels or XE/SE Spec, VIN starts MNT (53mm disc ht)	'09-on	V	371	296	28	6	1015PB01	MDB2715	D1094	
Navara	NAVARA (2.5dCi) has 17" wheels or LE Spec, VIN starts VSK (38mm disc ht)	'05-on	V	298	295	28	6	1015PB01	MDB2715	D1094	
Navara	NAVARA V9X (3.0dCi) Europe spec	'10-ON	V	423	320	28	6	-	MDB2247	D888	
Navara	NAVARA D23 (2.3DDTT)	03/'17-on		TBA	296	28	6	1009PB01	MDB3914	D1911	
Terrano	TERRANO 1 (WD21)	87-	V	TBA	277	26	6	-	MDB1482	D333	
Terrano	TERRANO 2 (R20)	'93-'06	V	TBA	277	26	6	-	MDB1657	D362	21481
X-Trail	X-TRAIL T31 (2.0, 2.5)	10/09-'13	V	297	296	26	5	-	MDB2938	D1374	24632
SUZUKI											
Jimny	JIMNY 1.3i (from chassis # 00203805)	'08-'18	S	339	290	10	5	-	MDB1318	D660	
Jimny	JIMNY 1.5i	Nov 2018 intro		TBA				-			
Vitara	GRAND VITARA (2.4, 3.2V6)	'08-ON	V	291	294	25	5	-	MDB2774	D1188	
TOYOTA 4X4 PICKUP											
Hilux	HILUX 2000 4X4	'80-'86	S	191	302	12,7	6	-	MDB1139	D137	
Hilux	HILUX 2200 4X4	'85-'86	S	191	302	12,7	6	-	MDB1139	D137	
Hilux	HILUX 2200 4X4	'87-'94	S	191	302	12,7	6	-	MDB1139	D137	
Hilux	HILUX 2400 (Diesel) 4X4	08/93-	V	TBA	257	25	5	-	MDB1290		
Hilux	HILUX 2400i (Raider) 4X4	'94-	S	191	302	12,7	6	-	MDB1139	D137	
Hilux	HILUX 2700i (Raider) 4X4	'98-'05	V	190	289	20	6	-	MDB1647	D611	
Hilux	HILUX 3000 (KZTE Diesel) 4X4	'98-'05	V	190	289	20	6	-	MDB1647	D611	
Hilux	HILUX (Vigo) '05-'09 with 15" wheels	'05-'09	V	399	297	25	6	1011PB01	MDB2718	D799	
Hilux	HILUX (Vigo) '09 on with 16" or 17" wheels (Double Cab only)	'09-'15	V	407	319	28	6	1001PB01	MDB2984	D976	
Hilux	HILUX (Vigo) '09 on Single Cab and Club Cab models	'09-'15	V	399	297	25	6	1010PB01	MDB3160	D1567	
Hilux	HILUX Revo (GD-6)	16-on	V	407	319	28	6	1001PB01	MDB2984	D976	

DIRECT-FIT FRONT KITS

<i>Model</i>	<i>Derivative</i>	<i>Year</i>	<i>Solid Vent</i>	<i>Disc Part No</i>	<i>Diam</i>	<i>Thick</i>	<i>Studs</i>	<i>PB01 Part #</i>	<i>Mintex Part #</i>	<i>FMSI</i>	<i>WVA</i>
Fortuner	FORTUNER (3.0D4D, 4.0V6)	'05-'15	V	407	319	28	6	1001PB01	MDB2984	D976	
Fortuner II	FORTUNER II (GD-6)	15-on	V	417	338	28	6	1001PB01	MDB2984	D976	
TOYOTA 4X2 PICKUP											
Hilux	HILUX 1800 (S,SR) 4X2 '5/94-		V	TBA	257	25	5	-	MDB1290		
Hilux	HILUX 1800 (SWB) 4X2 '98-		V	TBA	257	25	5	-	MDB1290		
Hilux	HILUX 2000 4X2 '98-		V	TBA	257	25	5	-	MDB1290		
Hilux	HILUX 2200 & SRX 4X2 '5/94-		V	TBA	257	25	5	-	MDB1290		
Hilux	HILUX 2400 (Diesel) 4X2 '8/93-		V	TBA	257	25	5	-	MDB1290		
Hilux	HILUX 2400S (Petrol) 4X2 '94-96		V	TBA	257	25	5	-	MDB1290		
Hilux	HILUX 2400 (Diesel) 4X2 '98-		V	TBA	257	25	5	-	MDB1290		
Hilux	HILUX 2700i (Raider) 4X2 '98-		V	190	289	20	6	-	MDB1647	D611	
Hilux	HILUX 3000i (Diesel) 4X2 '98-		V	190	289	20	6	-	MDB1647	D611	
Hilux	HILUX (New - Raised Body) '05-'09 with 15" wheels		V	399	297	25	6	1011PB01	MDB2718	D799	
TOYOTA LAND CRUISER											
FJ Cruiser	FJ CRUISER (4.0 A/T)	09/'11-ON	V	407	319	28	6	1001PB01	MDB2984	D976	
Land Cruiser	LAND CRUISER 75 (Pick-Up Diesel & Petrol)	'84-'90	V	189	302	20	6	-		D137	
Land Cruiser	LAND CRUISER 75 (Pick-Up Diesel & Petrol)	'90-'99	V	189	302	20	6	-	MDB1647	D611	
Land Cruiser	LAND CRUISER 79 (Pick-Up 4.2D & 4.5 / 4.0V6 Petrol) Incl Double cab '13-on	'00-ON	V	412	322	32	5	1002PB01	MDB1906	D772	
Land Cruiser	LAND CRUISER PRADO 90 / 95 (3.4V6 and 3.0TD)	'97-12/'02	V	142	319	22	6	1011PB01	MDB2718	D799	
Land Cruiser	LAND CRUISER PRADO 120 (3.0TD and 4.0V6)	'03-'09	V	417	338	28	6	1001PB01	MDB2984	D976	
Land Cruiser	LAND CRUISER PRADO 150 (3.0D4D and 4.0V6)	'09-ON	V	347	338	32	6	1001PB01	MDB2984	D976	
Land Cruiser	LAND CRUISER 60 (S/W round lights & 4 x square lights)	'81-'90	V	189	302	20	6		MDB1139	D137	
Land Cruiser	LAND CRUISER 76 (S/W box shape)	'07-ON	V	412	322	32	5	1002PB01	MDB1906	D772	
Land Cruiser	LAND CRUISER 78 TROOPIE	'11-ON	V	412	322	32	5	1002PB01	MDB1906	D772	
Land Cruiser	LAND CRUISER 80 (S/W 4.2TD, 4.5P)	'90-'97	V	135	311	32	6		MDB1695	D502	
Land Cruiser	LAND CRUISER 100 (S/W w/ IFS) AKA 100VX	'98-09/'07	V	223	312	32	5	1002PB01	MDB1906	D772	
Land Cruiser	LAND CRUISER 105 (S/W w/ SFA) AKA 100GX	'98-08/'07	V	412	322	32	5	1002PB01	MDB1906	D772	
Land Cruiser	LAND CRUISER 200 (S/W 4.5 & 4.7V8)	'08-ON	V	418	340	32	5	1008PB01	MDB2878	D1303	
Land Cruiser	LAND CRUISER 200 (S/W 4.5 GX & VX) F/L	11/15-on	V	354	354	32	5	1008PB01	MDB2878	D1303	
VOLKSWAGEN											
Amarok	AMAROK (4x2 & 4x4, 2.0TDi 90kW & 120kW, 2.0T petrol)	09/'10-ON	V	374	303	28	5	1004PB01	MDB3107	D1555	
Amarok	AMAROK V6 TDi (300mm rear disc brakes!!)	04/'17-on	V	TBA	332	30	5	-	MDB4019	-	

DIRECT-FIT REAR KITS

<i>Application</i>	<i>Year</i>	<i>Solid Vent</i>	<i>Disc Part No</i>	<i>Diam</i>	<i>Thick</i>	<i>Studs</i>	<i>PB01 Part #</i>	<i>Mintex Part #</i>	<i>FMSI</i>	<i>WVA</i>
JEEP										
WRANGLER JK	'07-'13	S	442	316	12	5	-	MDB3011		
LANDROVER										
DISCOVERY 3 V6		V	377	325	20	5	-	MDB2713	D1099	
DISCOVERY 3 V8		V	378	350	20	5	-	MDB2713	D1099	
DISCOVERY 4		V	378	350	20	5	-	MDB2713	D1099	
MITSUBISHI										
PAJERO GEN 3 (CK 3.2DiD, 3.5V6)	'00-'08	V	287	300	22	6	-	MDB2080	D868	
PAJERO GEN 4	'08-on	V	376	332	18	6	-	MDB1696	D606	
NISSAN										
PATHFINDER (4.0 and 2.5dCi and V9X)	'05-on	V	372	308	18	6	-			
PATROL Y61 (except 4.8L which has 330mm discs)		V	TBA	316	18	6	-			
TOYOTA										
FJ CRUISER 4.0	'11-on	V	348	312	18	6	2001PB01	MDB1696	D606	
FORTUNER (new)	'16-on	V	348	312	18	6	2001PB01	MDB1696	D607	
PRADO 90	'97-'02	V	348	312	18	6	2001PB01	MDB1696	D606	
PRADO 120	'03-'09	V	348	312	18	6	2001PB01	MDB1696	D606	
PRADO 150		V	424	312	18	6	2001PB01	MDB1696	D606	
LANDCRUISER 105	'98-'07		TBA				2001PB01	MDB1696	D606	
LANDCRUISER 200	'08-on	V	422	345	18	6	-	MDB2936	D1304	
VOLKSWAGEN										
Amarok V6		V	TBA	300	22	5	-	MDB4118		