

W124 Parts - All Models

Size	Chassis	Model	Years	Caliper	Rotor	Brake pads	Splash shield	Hub	Knuckle	Steering Arm	Control Arm	Up to VIN	From VIN
Front													
	<i>Diesels</i>												
284 x 22	124.133	300D	1987	001-420-18/19-83	124-421-16-12	000-420-99-20	124-420-13/14-44	124-330-22-25	124-330-04/05-20	124-332-12/13-20	124-330-30/31-07		
284 x 22	124.193	300TD	1987	001-420-18/19-83	124-421-16-12	000-420-99-20	124-420-13/14-44	124-330-22-25	124-330-04/05-20	124-332-12/13-20	124-330-30/31-07		
284 x 22	124.128	300D	90-92	001-420-18/19-83	124-421-16-12	000-420-99-20	124-420-13/14-44	124-330-22-25	124-330-04/05-20	124-332-12/13-20	124-330-30/31-07		
284 x 22	124.131	E300	1995	001-420-18/19-83	124-421-16-12	000-420-99-20	124-420-13/14-44	124-330-22-25	124-330-04/05-20	124-332-12/13-20	124-330-30/31-07		
	<i>Gassers</i>												
284 x 22	124.026	300E 2.6	87-92	001-420-18/19-83	124-421-16-12	000-420-99-20	124-420-13/14-44	124-330-22-25	124-330-04/05-20	124-332-12/13-20	124-330-30/31-07		
284 x 22	124.028	300E 2.8	1993	001-420-18/19-83	124-421-16-12	000-420-99-20	124-420-13/14-44	124-330-22-25	124-330-04/05-20	124-332-12/13-20	124-330-30/31-07		
284 x 22	124.030	300E	86-92	001-420-18/19-83	124-421-16-12	000-420-99-20	124-420-13/14-44	124-330-22-25	124-330-04/05-20	124-332-12/13-20	124-330-30/31-07		
284 x 22	124.050	300CE	88-89	001-420-18/19-83	124-421-16-12	000-420-99-20	124-420-13/14-44	124-330-22-25	124-330-04/05-20	124-332-12/13-20	124-330-30/31-07		
284 x 22	124.090	300TE	88-92	001-420-18/19-83	124-421-16-12	000-420-99-20	124-420-13/14-44	124-330-22-25	124-330-04/05-20	124-332-12/13-20	124-330-30/31-07		
284 x 22	201.034	190E-16V	86-87	001-420-18/19-83	124-421-16-12	001-420-07-20	124-420-13/14-44	124-330-22-25	124-330-04/05-20	201-332-10/11-20	201-330-40/41-07		
295 x 22	124.032	E320	93-95	000-420-72/73-83	124-421-15-12	002-420-15-20	124-420-25/26-44	124-330-22-25	124-330-04/05-20	124-332-12/13-20	124-330-34/35-07	B864307	
295 x 22	124.034	E420	1992	000-420-72/73-83	124-421-15-12	002-420-15-20	124-420-27/28-44	129-330-04-25	129-330-02/03-20	129-332-03/04-20	124-330-34/35-07	To MY 1992	
295 x 22	124.051	300CE	90-92	000-420-72/73-83	124-421-15-12	002-420-15-20	124-420-25/26-44	124-330-22-25	124-330-04/05-20	124-332-12/13-20	124-330-34/35-07		
295 x 22	124.052	E320 Cpe	93-95	000-420-72/73-83	124-421-15-12	002-420-15-20	124-420-25/26-44	124-330-22-25	124-330-04/05-20	124-332-12/13-20	124-330-34/35-07	B862121	
295 x 22	124.066	E320 Cnv	93-95	000-420-72/73-83	124-421-15-12	002-420-15-20	124-420-25/26-44	129-330-04-25	129-330-02/03-20	124-332-12/13-20	124-330-34/35-07	B862121	
295 x 22	124.092	E320 Wag	93-95	000-420-72/73-83	124-421-15-12	002-420-15-20	124-420-25/26-44	124-330-22-25	124-330-04/05-20	124-332-12/13-20	124-330-34/35-07	F242721	
294 x 25	124.032	E320	1993-95	001-420-04/05-83	124-421-24-12	002-420-37-20	124-420-25/26-44	124-330-22-25	124-330-04/05-20	124-332-12/13-20	124-330-34/35-07		B864308
294 x 25	124.034	E420	1993-95	001-420-04/05-83	124-421-24-12	002-420-37-20	124-420-27/28-44	129-330-04-25	129-330-02/03-20	129-332-03/04-20	124-330-34/35-07		From MY 1993
294 x 25	124.052	E320 Cpe	93-95	001-420-04/05-83	124-421-24-12	002-420-37-20	124-420-25/26-44	124-330-22-25	124-330-04/05-20	124-332-12/13-20	124-330-34/35-07		B862122
294 x 25	124.066	E320 Cnv	93-95	001-420-04/05-83	124-421-24-12	002-420-37-20	124-420-25/26-44	129-330-04-25	129-330-02/03-20	124-332-12/13-20	124-330-34/35-07		B862122
294 x 25	124.092	E320 Wag	93-95	001-420-04/05-83	124-421-24-12	002-420-37-20	124-420-25/26-44	124-330-22-25	124-330-04/05-20	124-332-12/13-20	124-330-34/35-07		F242722
300 x 28	124.036	E500	1992-94	000-420-79/80-83	124-421-26-12	002-420-15-20	129-420-21/22-44	129-330-04-25	129-330-02/03-20	129-332-03/04-20	124-330-34/35-07	B930494	Alum, Brembo
300 x 28	124.036	E500	1992-94	129-420-00/01-83	124-421-26-12	002-420-15-20	129-420-21/22-44	129-330-04-25	129-330-02/03-20	129-332-03/04-20	124-330-34/35-07	B930494	Iron, ATE
320 x 30	124.036	E500	1992-94	001-420-00/01-83	129-421-17/18-12	002-420-15-20	129-420-18/19-44	129-330-04-25	129-330-02/03-20	129-332-03/04-20	124-330-34/35-07		B930495
Rear													
	<i>Diesels</i>												
258 x 9	124.133	300D	1987	124-420-02/03-83	201-423-12-12	000-420-98-20	202-420-14/15-44	124-350-07-46	202-350-94/95-08				
258 x 9	124.128	300D	90-92	124-420-02/03-83	201-423-12-12	000-420-98-20	202-420-14/15-44	124-350-07-46	202-350-94/95-08				
258 x 9	124.131	E300	1995	124-420-02/03-83	201-423-12-12	000-420-98-20	202-420-14/15-44	124-350-07-46	202-350-94/95-08				
	<i>Gassers</i>												
258 x 9	124.026	300E 2.6	87-92	124-420-02/03-83	201-423-12-12	000-420-98-20	202-420-14/15-44	124-350-07-46	202-350-94/95-08				
258 x 9	124.028	300E 2.8	1993	124-420-02/03-83	201-423-12-12	000-420-98-20	202-420-14/15-44	124-350-07-46	202-350-94/95-08				
258 x 9	124.030	300E	86-92	124-420-02/03-83	201-423-12-12	000-420-98-20	202-420-14/15-44	124-350-07-46	202-350-94/95-08				
258 x 9	124.050	300CE	88-89	124-420-02/03-83	201-423-12-12	000-420-98-20	202-420-14/15-44	124-350-07-46	202-350-94/95-08				
258 x 9	201.034	190E-16V	86-87	124-420-02/03-83	201-423-12-12	000-420-98-20	202-420-14/15-44	124-350-07-46	202-350-94/95-08				
	<i>M104 (24v) models</i>												
278 x 9	124.032	E320	1993-95	129-420-02/03-83	210-423-04-12	001-420-95-20	210-420-14/15-44	124-350-07-46	202-350-94/95-08				
278 x 9	124.051	Coupe		129-420-02/03-83	210-423-04-12	001-420-95-20	210-420-06/07-44	124-350-07-46	202-350-94/95-08				
278 x 9	124.052	Coupe		129-420-02/03-83	210-423-04-12	001-420-95-20	210-420-06/07-44	124-350-07-46	202-350-94/95-08				
278 x 9	124.066	Cabrio	1993-95	129-420-02/03-83	210-423-04-12	001-420-95-20	210-420-06/07-44	124-350-07-46	202-350-94/95-08				
	<i>Wagons</i>												
278 x 9	124.193	300TD	1987	129-420-02/03-83	210-423-04-12	001-420-95-20	210-420-06/07-44	124-350-08-46	124-350-10/11-32				
278 x 9	124.090	300TE	88-92	129-420-02/03-83	210-423-04-12	001-420-95-20	210-420-06/07-44	124-350-08-46	124-350-10/11-32				
278 x 20	124.092	E320	93-95	000-420-74/75-83	124-423-10-12	001-420-95-20	210-420-14/15-44	124-350-08-46	124-350-10/11-32			F323055	
290 x 10	124.092	E320	1995	001-420-47/48-83	124-423-11-12	002-420-46-20	210-420-14/15-44	124-350-08-46	124-350-10/11-32				F323056
	<i>M119 (V8) models</i>												
278 x 24	124.034	E420	1992-95	000-420-82/83-83	124-423-08-12	001-420-95-20	210-420-14/15-44	124-350-07-46	202-350-94/95-08				
278 x 24	124.036	E500	1992-94	000-420-82/83-83	129-423-02-12	001-420-95-20	210-420-14/15-44	129-350-00-46	202-350-94/95-08				
300 x 22	124.036	E500	1992-94	001-420-37/38-83	129-423-03-12	002-420-05-20	210-420-06/07-44	129-350-00-46	202-350-94/95-08	European	models only!		B927761

Part Summary

Size	Chassis	Model	Years	Caliper	Rotor	Brake pads	Splash shield	Hub	Knuckle	Steering Arm	Control Arm	Up to VIN	From VIN
Front													
284 x 22	124.xxx	Most	1986-92	001-420-18/19-83	124-421-16-12	000-420-99-20	124-420-13/14-44	124-330-22-25	124-330-04/05-20	124-332-12/13-20	124-330-30/31-07		
295 x 22	124.032	E320	1993-95	000-420-72/73-83	124-421-15-12	002-420-15-20	124-420-25/26-44	124-330-22-25	124-330-04/05-20	124-332-12/13-20	124-330-34/35-07	B864307	
294 x 25	124.032	E320	1993-95	001-420-04/05-83	124-421-24-12	002-420-37-20	124-420-25/26-44	124-330-22-25	124-330-04/05-20	124-332-12/13-20	124-330-34/35-07		B864308
295 x 22	124.034	E420	1992	000-420-72/73-83	124-421-15-12	002-420-15-20	124-420-27/28-44	129-330-04-25	129-330-02/03-20	129-332-03/04-20	124-330-34/35-07	To MY 1992	
294 x 25	124.034	E420	1993-95	001-420-04/05-83	124-421-24-12	002-420-37-20	124-420-27/28-44	129-330-04-25	129-330-02/03-20	129-332-03/04-20	124-330-34/35-07		From MY 1993
320 x 30	124.034	E420	?	001-420-00/01-83	129-421-17/18-12	002-420-15-20	129-420-18/19-44	129-330-04-25	129-330-02/03-20	129-332-03/04-20	124-330-34/35-07	Euro only!	B938569
300 x 28	124.036	E500	1992-94	000-420-79/80-83	124-421-26-12	002-420-15-20	129-420-21/22-44	129-330-04-25	129-330-02/03-20	129-332-03/04-20	124-330-34/35-07	B930494	
320 x 30	124.036	E500	1992-94	001-420-00/01-83	129-421-17/18-12	002-420-15-20	129-420-18/19-44	129-330-04-25	129-330-02/03-20	129-332-03/04-20	124-330-34/35-07		B930495
334 x 32	129.076	SL600	1999-02	001-420-77/78-83	129-421-21-12	003-420-08-20	129-420-18/19-44	129-330-05-25	129-330-02/03-20	129-332-06/07-20	124-330-34/35-07	Standard (black calipers)	
334 x 32	129.076	SL600	1999-02	001-99-83, 002-00	129-421-23-12	003-420-08-20	129-420-18/19-44	129-330-05-25	129-330-02/03-20	129-332-06/07-20	124-330-34/35-07	Silver Arrow (silver calipers)	
<i>(334mm brakes also used on 129.068, SL500, 1999-2002... same parts as SL600)</i>							Note: Code "P30" is Silver Arrow Edition with cross-drilled brake rotors and silver-colored calipers.						
<i>Note: R129 knuckles measure 95mm from rear surface to front hub surface (front to back)</i>													
Rear													
258 x 9	124.133	300D	1987	124-420-02/03-83	201-423-12-12	000-420-98-20	202-420-14/15-44	124-350-07-46	202-350-94/95-08	N/A	N/A		
278 x 9	124.032	E320	1993-95	129-420-02/03-83	210-423-04-12	001-420-95-20	210-420-14/15-44	124-350-07-46	202-350-94/95-08	N/A	N/A		
278 x 20	124.092	E320	93-95	000-420-74/75-83	124-423-10-12	001-420-95-20	210-420-14/15-44	124-350-08-46	124-350-10/11-32	N/A	N/A	F323055	
290 x 10	124.092	E320	1995	001-420-47/48-83	124-423-11-12	002-420-46-20	210-420-14/15-44	124-350-08-46	124-350-10/11-32	N/A	N/A		F323056
278 x 24	124.034	E420	1992-95	000-420-82/83-83	124-423-08-12	001-420-95-20	210-420-14/15-44	124-350-07-46	202-350-94/95-08	N/A	N/A		
278 x 24	124.036	E500	1992-94	000-420-82/83-83	129-423-02-12	001-420-95-20	210-420-14/15-44	129-350-00-46	202-350-94/95-08	N/A	N/A		
300 x 22	124.036	E500	1992-94	001-420-37/38-83	129-423-03-12	003-420-48-20	210-420-14/15-44	129-350-00-46	202-350-94/95-08	N/A	N/A	Euro Only!	B927761
300 x 22	129.076	SL600	1999-02	001-420-37/38-83	129-423-03-12	003-420-30-20	210-420-14/15-44	129-350-00-46	202-350-94/95-08	N/A	N/A	Standard (black calipers)	
300 x 22	129.076	SL600	1999-02	129-423-03/04-98	129-423-05-12	003-420-30-20	210-420-14/15-44	129-350-00-46	202-350-94/95-08	N/A	N/A	Silver Arrow (silver calipers)	

Size Overview

Size, inches	Size, millimeters	
		Front
10.2	284 x 22	Almost every 124 from 1986-1992, plus diesels & wagons from 86-95
11.6	295 x 22	All 124's from roughly 92-93, except diesel, and 2.8L M104
11.6	294 x 25	93-95 400E, E420; 1993.5-up with 3.2L M104 engine
11.8	300 x 28	Early 500E, all SL320 and SL500 (except SL500 with code 472/ESP)
12.6	320 x 30	All 1993-98 SL600, also 1994-98 SL500 with code 472/ESP - Directional rotors
13.1	334 x 32	1999-02 SL500 (129.068), SL600 (129.076) - Non-directional rotors, Brembo calipers
13.6	345 x 30	C32 AMG (203.065), C55 AMG (203.076), CLK55 AMG (209.376)
13.6	345 x 32	S600 (W220)
14.2	360 x 36	CLK63 AMG (209.477) - 2-piece lightweight rotor, 6-piston caliper
14.2	360 x 36	E55 AMG Kompressor (211.076) - 1-piece iron rotor, 8-piston caliper
		<i>Note: 334mm brakes will fit the W124 if the R129 knuckle & hub are used, OR the late L.C.A. This is a great upgrade for E420/E500 - these already have the R129 parts. The R129 "Silver Arrow" models (code P30) have factory cross-drilled rotors.</i>
		Rear
10.1	258 x 9	All M103 sedans (86-92), all diesels (87-95), and M104 2.8L (1993)
11.0	278 x 9	All wagons 87-92, coupe/convertible (124.05x, .06x) and 93-95 M104 sedan (.032), all SL500 to 1998 without code 472/ESP.
11.0	278 x 20	1993-95 E320 wagon (124.092) up to 03/95 (vented)
11.4	290 x 10	1995 E320 wagon (124.092) as of 04/95 (solid)
11.0	278 x 24	All V8 models: 1992-1995 400E, E420 (124.034) and 500E, E500 (124.036), Euro 124.036 up to VIN #B927760.
11.8	300 x 22	Euro 124.036 from VIN #B927761; all SL600, 94-98 SL500 with code 472/ESP, all 1999-2002 SL500 (129.068). Also C43, CLK/E55, SLK320 AMG, and others
13.0	330 x 26	S55 AMG, 165mm e-brake? - (4-pot calipers)
13.0	330 x 26	E55 AMG Kompressor (211.076), CLK63 AMG, 180mm e-brake? (4-pot calipers)
		<i>Also note that there are two different piston sizes for the 300mm rear calipers!</i>

Caliper Pistons

Note: Data in red indicates conflicting information between Mercedes EPC (parts) and WIS (service) info								
FRONT	BRAKES							
				Note 1			<i>StopTech</i>	<i>MovIt</i>
	295 x 22	294 x 25	300 x 28	320 x 30	334 x 32	345 x 30	355 x 32	
Bottom piston:	38	38	38	38	40	40	?	36
Top piston:	42	42	42	42	44	44	?	44
Note 1: Used on all SL600 to 1998, also SL500/SL320 with ESP to 1998								
REAR	BRAKES							
				Note 1	Note 2	MovIt		
	258 x 9	278 x 9	278 x 24	300 x 22	300 x 22	300x28		
Piston diam:	35	38	38	42	46	28/30		
Note 1: Used on 129.067/068 (SL500) w/ESP (Bendix "42"), 129.076 (SL600) Teves Also used on 202.033 (C43), 208.374 (CLK55), 210.074 (E55)								
Note 2: Used on Euro model 124.036 (E500), and early 129.076 (SL600)?? - Bendix "46"								
<p>The EPC shows both the 42 and 46mm calipers and rebuild kits for the late E500 and all SL600, the WIS says they only came with 46mm, I don't know which is correct - can't tell what they came with from the factory. I suspect they originally came with 46, and 42mm calipers were later offered as a replacement?</p> <p>Also, the WIS documentation shows the late E500 front 320mm brakes as having 40/44mm pistons, but the data in the EPC conflicts, listing a 38/42mm rebuild kit. I can't tell which is correct until I get a 320mm caliper in-hand to measure.</p> <p>When swapping larger brakes onto any W124 with the stock M/C, it may be desirable to use rear 300mm calipers with 42mm pistons, which may be a better match to the smaller M/C?? Otherwise the late Euro E500 (SL600 & W140) M/C might be desirable, it does fit the old boosters.</p>								
<i>One kit required per caliper - note that these may only be dust seals!</i>								
Rebuild Kits:								
<i>List prices, January 2010</i>								
000-420-81-83	Brembo	38 / 42	\$30 each					
000-421-71-86	ATE	38 / 42	\$59 each					
000-421-94-86	Brembo	40 / 44	\$34 each					
000-421-72-86	ATE	38	\$40 each			(82/83-83)		
000-421-78-86	Bendix	42	\$21 each			(37/38-83)		
001-420-08-83	Bendix	46	?			(06/07-83)		
Note: E55 AMG rear pistons are approx 26mm diameter each (4-piston caliper)								

Weight

Notes:							
All weights are in pounds							
Calipers are weighed with no pads, hoses, wear sensors, mounting bolts, or wiring							
A single stock rubber brake hose weighs about 0.15lbs							
<i>Italics</i> indicate that the number is approximate or estimated weight, not exact							
Bold indicates exact measured weight of brand-new parts, or data from manufacturer's spec sheets							
FRONT	BRAKES		<i>Aluminum</i>	<i>Iron</i>		<i>RENNtech</i>	<i>OE- R129</i>
			<i>Brembo</i>	<i>ATE</i>		<i>Alcon</i>	<i>Brembo</i>
	284 x 22	294 x 25	300 x 28	300 x 28	320 x 30	330 x 30	334 x 32
Caliper	9.6	10.8	6.0	10.2	<i>13.0</i>	10.0	9.9
Rotor	13.2	16.1	16.8	16.8	21.3	18.0	24.6
Pads (2)	1.6	1.8	1.8	1.8	1.8	2.0	2.0
Total	24.4	28.7	24.6	28.8	36.1	30.0	36.5
FRONT	BRAKES	<i>AMG C32</i>			<i>AMG</i>	<i>AMG</i>	<i>AMG</i>
		<i>(W203)</i>	<i>Rocketeer</i>		<i>E55-W211</i>	<i>S55</i>	<i>CLK 63</i>
		<i>Brembo</i>	<i>Wilwood</i>	<i>StopTech</i>	<i>Brembo</i>	<i>Brembo</i>	<i>Brembo</i>
		345x30	355 x 32	355 x 32	360 x 36		360 x 32
Caliper		9.8	6.0	9.6	13.4		9.6
Rotor		25.7	15.0	18.1	34.2	37.0	22.6
Pads (2)		2.0	Included	2.2	3.6		2.4
Total		37.5	21.0	29.9	51.2		34.6
REAR	BRAKES				<i>AMG</i>	<i>AMG</i>	<i>AMG</i>
					<i>E55-W211</i>	<i>S55</i>	<i>CLK 63</i>
	258 x 9	278 x 9	278 x 24	300 x 22	330 x 26	330 x 26	330 x 26
Caliper	3.9	4.3	4.6	7.0	5.4		5.2
Rotor	7.1	8.7	12.8	15.9	21.4	23.0	20
Pads (2)	0.6	0.7	0.7	1.0	1.8	1.8	1.8
Total	11.6	13.7	18.1	23.9	28.6		27.0
MovIt	Brembo	kits					
Front	P/N 31.006: 322x32mm, 4s3 caliper, 36/44mm pistons, 75.5 sq cm pad area - \$2581 EUR (Dec-2005)						
Front	P/N 31.106: 342x34mm, 4m6 caliper, 36/44mm pistons, 75.5 sq cm pad area - \$3013 EUR (Dec-2005)						
Rear	P/N 31.008: 299x28mm, 4m1 caliper, 28/30mm pistons, 56.5 sq cm pad area - \$2323 EUR (Dec-2005)						
Note: The various AMG brake specs are listed for reference only! The W211 E55 front brakes will NOT fit correctly without custom brackets & rotors. The E55 rear brakes require S55 rear rotors. The C32 front brakes will not fit correctly at all on a 124/129/201, the shape of the caliper interferes with the knucke/hub assembly. The C32 brakes will bolt on to the W202/203 without mods, though. I do not know what modifications are necessary to fit CLK63 brakes on a 124/129/201. W220 (S600) 345x32 front calipers can be used with C32 345x30 rotors, with spacers and hydraulic line adapters, but I would not recommend this configuration since the rotors are 2mm too thin when new.							

MC & Booster Specs

<p>Data was compiled from the 1985, 1988, and 1993 Technical Data Manuals, and factory service manuals: Some data conflicts between the different manuals, particularly for the R107 and W126 specifications Information on the 107, 126, and 140 is for reference only; those setups were not used on any 124's</p>						
<p>Specifications are not available in either the TDM or WIS for M/C bore+stroke for the late 129 M/C's used with 334mm brakes. Those M/C's are not rebuildable, so Mercedes apparently didn't see the need to publish specs for them. (??)</p>						
		Note 1	Note 2	Note 3	Note 4	
Model	All 107 from fall 1975, through June 1983; All 126 through June 1983	All USA W124's with 5-cyl or 6-cyl engine, most W123's (??)	W124 Long Wheelbase (Limo), also: W201.029 W201.034 W201.128	All USA W124's with V8 engine (400E/500E), All 126/107 from July 1983, All 129 except 129.076, W140.03x and W140.13x, 201.036 (Evo II - Euro only)	Euro 124.036 from VIN #B927761, 129.076 (600SL)	W140.04x W140.05x W140.07x (V8 and V12 models)
Booster (Ate / Teves)	ATE T52/225T	ATE T52/3, 255	ATE 52/4A, 225-210	ATE T52/4A, 225-210	ATE T52/4A, 225-210	ATE T52/4A, 255-225
Booster (Lucas / Girling)	??	Lucas LSC 80	Lucas LSC 115	Lucas LSC 115 T	??	Lucas 003-430-55-30
Booster Diameter	229mm (9 inch)	254mm (10 inch)	203/229mm (8in / 9in)	203/229mm (8in / 9in)	203/229mm (8in / 9in)	229/254mm (9in / 10in)
Booster Type	Double	Single	Double	Double	Double	Double
Boost factor	4.50	3.85	4.50	5.60	5.60	6.85
Force curve @ 50N	2-12	10-16	10-18	14-25	14-25	13-25
Force curve @ 100N	28-40	26-35	25-38	35-45	35-45	35-47
Force curve @ 150N	54-68	43-54	42-58	53-63	53-63	57-69
Force curve @ 200N	80-97	59-70	59-78	71-81	71-81	78-92
Force curve @ 250N	105-125	75-85	75-97	87-98	87-98	95-105
Force curve @ 300N	132-140	86-95	Data not available	Data not available	Data not available	Data not available
Master Cylinder specs: **						
Piston diameter (pushrod circuit)	15/16"	15/16"	15/16"	1"	1-1/16"	1-1/16"
Piston diameter (floating circuit)	3/4"	3/4"	3/4"	3/4"	1" & 13/16"	1" & 13/16"
Piston stroke (pushrod circuit)	17mm	17mm	17mm	17mm	19mm	19mm
Piston stroke (floating circuit)	15mm	15mm	15mm	15mm	13mm	13mm
** The pushrod circuit is for the front brakes, the floating circuit is for the rear brakes.						
Note 1: This MC (and booster) was used on standard wheelbase W124's except for V8 models (124.034 / .036)						
Note 2: This MC (and booster) was used on long wheelbase 124's and most "high performance" 201's.						
Note 3: This MC was used on all 124.034, 124.036 USA, & 124.036 Euro models to VIN # B927760 It was also used on all 129.063 (SL320) and 129.067 (SL500), except models with optional ESP. All these 124/129/201's came with 294-320mm front brakes, and 278mm rear brakes.						
Note 4: This MC was used ONLY with 124/129 models that had 320mm front brakes & 300mm rear brakes. It has an electrical solenoid which modifies the front/rear brake bias based on signals from the vehicle's ABS computer. See service manual job 42-0700, section G, "Revised brake force distribution" for a detailed explanation. This MC was also used on W140s' with a V8 or V12 engine (W140.04x, .05x, .07x).						

MC Part #'s

	Master Cylinder Part #	Brake booster Part #	Note
<i>W124 models</i>			
All W124, non-V8	004-430-39-01	004-430-31-30	Optional with # below, non-ASR, to 06/1994
	005-430-24-01	004-430-31-30	Optional with # above, non-ASR, to 06/1994
	005-430-24-01	004-430-31-30	ASR, up to 06/1994
	005-430-62-01	004-430-31-30	ASR, from 06/1994
124.029 (Limo)	004-430-39-01	004-430-00-30	8"/9" dual-diaphragm booster
124.034 (E420)	004-430-75-01	004-430-65-30	USA and Euro, to 06/1994
	005-430-63-01	004-430-65-30	USA and Euro, from 06/1994
124.036 (E500)	004-430-75-01	004-430-65-30	All USA models
	004-430-75-01	004-430-65-30	Euro models to VIN # B927760
	005-430-40-01	004-430-22-30	Euro models from VIN # B927761
<i>Note: Euro E500 from B927761 had larger F&R brakes, and a different ABS computer setup than USA.</i>			
<i>R129 models</i>			
129.063 (SL320)	004-430-75-01	004-430-65-30	To VIN # F102744
	005-430-65-01	004-430-65-30	From VIN # F102745, through 1997
	005-430-78-01	004-430-77-30	1998-up
129.067 (SL500) to 1998 only	004-430-75-01	004-430-65-30	To VIN # F102744
	005-430-65-01	004-430-65-30	From VIN # F102745, through 1997
	005-430-78-01	004-430-77-30	1998-up
	005-430-71-01	004-430-65-30	With code '472', through 1997 (SL600 brakes?)
	005-430-79-01	004-430-77-30	With code '472', 1998 only (SL600 brakes?)
129.068 (SL500) 1999-2002	005-430-89-01	005-430-09-30	All models (334 x 32 Brembo brakes)
129.076 (SL600) 1993-1998	005-430-40-01	004-430-65-30	To VIN # F102744
	005-430-71-01	004-430-65-30	From VIN # F102745, through 1997
	005-430-79-01	004-430-77-30	1998 only
	005-430-89-01	005-430-09-30	1999-2002 (334 x 32 Brembo brakes)
<i>W201 models</i>			
All except below:	005-430-59-01	004-430-07-30	8" single booster. MC = 7/8 F, 11/16 R
.029, .034, .128	005-430-26-01	004-430-00-30	8"/9" dual-diaphragm booster
201.036 (Evo II)	004-430-75-01	004-430-65-30	400E/500E booster & MC
<i>Price reference - Dealer prices as of January 2010</i>			
List Price	Master Cylinder	Brake Booster	List Price
\$314	004-430-39-01	004-430-00-30	\$468
\$244	005-430-24-01	004-430-07-30	\$310
\$280	005-430-62-01	004-430-31-30	\$290
\$252	004-430-75-01	004-430-65-30	\$850
\$286	005-430-63-01	004-430-22-30	N/A (was \$535 EUR many moons ago)
\$920	005-430-40-01	004-430-77-30	\$770
\$286	005-430-65-01	005-430-09-30	\$1,030
\$368	005-430-78-01		
\$920	005-430-71-01		
\$945	005-430-79-01		
\$390	005-430-89-01		

Pad compounds

Application	Part number	Size	Mfr	Mfr Code	Friction	Notes
300E, 300D	000-420-99-20	284mm				Most all 124 with 284mm front brakes
500E, SL500, etc	002-420-15-20	300mm	Jurid	524	GG	Most all 124 & 129 with 294-320mm front brakes
Silver Arrow	003-420-08-20	334mm	Jurid	621	GF	All 1999-2002 R129, including Silver Arrow
	005-420-04-20	334mm	Jurid	621	GF	
	003-420-89-20		Pagid	PA548	GG	2003-2006 R230 ??
300E, 300D	000-420-98-20	258mm	Textar	T460	EE	Most all 124 with 258mm rear brakes
500E, SL500, etc	Aftermarket	278mm	Textar	T401	FE	Most all 124 & 129 with 278mm rear brakes
500E, SL500, etc	000-420-95-20	278mm				Most all 124 & 129 with 278mm rear brakes
C43 AMG	003-420-48-20	300mm	Jurid	166	FF	C43, Euro E500 with 300mm rear brakes
SL600	003-420-30-20	300mm				All R129 (USA) with 300mm rear brakes
			Porterfield	R4	Avg 0.50	Optimum temp above 450°F (GG, GH?)
			Porterfield	R4-E	Avg 0.46	Optimum temp above 600°F (FG, GG?)
			Porterfield	R4-S	Avg 0.42	(FF ?)
<p>An edge code is a means of identification that may be used to describe the initial frictional characteristic of any brake lining. Typically, a two-character code (e.g. EE, FF, GG, HH, etc) is used on specific friction formulation. These characters represent the coefficient of friction when a 1" square piece of friction material is subjected to varying conditions of load, temperature, pressure and rubbing speed on a test apparatus known as the Chase machine.</p> <p>The coefficient of friction measured by the Chase test describes the relationship between the two forces acting on the friction material. A clamping force is exerted on the friction material, resulting in a frictional or resistance force. A low coefficient of friction means that very little of the clamping force is transferred into resistance force. On the other hand, a high coefficient of friction means that given the same level of clamping force, a higher resistance force is generated by the brake pad. For example, a pad that carries an HH code has a normal coefficient of friction of 0.55 or higher, and a hot coefficient of friction of 0.55 or higher.</p> <p>The first letter of the code represents the normal friction coefficient. This is defined as the average of four test data points measured at 200, 250, 300 and 400 degrees Fahrenheit. The second letter of the code represents the hot friction coefficient based on a fade and recovery test. We all should know what brake fade is. If you've ever had to use the front brake extensively and found that its effectiveness quickly diminished, that's fade. Recovery is basically the period where the brakes are gradually cooling off.</p> <p>The hot friction coefficient is defined as the average of 10 data points located at 400 and 300F. On the first recovery cycle of the pad; 450, 500, 550, 600 and 650F. On the second fade cycle; and 500, 400, and 300F on the second recovery cycle.</p>						
<p>The range of friction coefficients assigned to each code letter are as follows:</p>						
	Less than 0.15	C				
	0.15-0.25	D				
	0.25-0.35	E				
	0.35-0.45	F				
	0.45-0.55	G				
	Greater than 0.55	H				

Fluids

	Wet boil point	Dry boil point	Price	Bottle size (oz)	Cost per ounce	Comments
Wilwood Hi-Temp 570	140°C (284°F)	299°C (570°F)	\$5.95	12	\$0.50	Does not meet DOT-4 specifications, only DOT-3 (low wet boil point)
AP Racing 551	150°C (302°F)	275°C (527°F)	\$18.00	17	\$1.06	Does not meet DOT-4 specifications, only DOT-3 (low wet boil point)
DOT4 Mininum Spec:	155°C (311°F)	230°C (446°F)	N/A	N/A	N/A	
Valvoline Synthetic	155°C (311°F)	249°C (480°F)	\$6.99	32	\$0.22	<-- Best value for street use
Valvoline SynPower	173°C (343°F)	260°C (500°F)	\$6.99	32	\$0.22	No longer available as of early 2008 (discontinued product line)
Ate SuperBlue / Type 200	198°C (388°F)	280°C (536°F)	\$11.95	34	\$0.35	<-- Best value for general high-performance use
Brembo LCF 600+	204°C (399°F)	316°C (601°F)	\$19.95	17	\$1.17	Offers up to a 10% reduction in compressibility at 350F
AP Racing 600	210°C (410°F)	300°C (572°F)	\$18.00	17	\$1.06	
Wilwood EXP 600+	214°C (417°F)	330°C (626°F)	\$18.00	17	\$1.06	
Motul RBF 600	216°C (420°F)	312°C (593°F)	\$15.50	17	\$0.91	
Castrol SRF	270°C (518°F)	310°C (590°F)	\$74.95	34	\$2.20	NOT to be mixed with any other type of fluid!
http://www.bestbrakes.com/brake_fluid.shtml						

Pricing

	Prices for OE parts are dealer list / MSRP as of January 2010.				
	Call Rusty for current pricing on either OE or aftermarket parts, 800-741-5252.				
	http://www.buymbparts.biz				
	FRONT ROTORS				
<i>Zim</i>	Price	Part number	Size	Rear friction surface to back side of flange	Notes
<i>Drilled</i>					
Y	\$63.00	124-421-16-12	284 x 22	38mm	standard size
Y	\$77.00	124-421-24-12	294 x 25	44mm	E420 & E320
Y	\$77.00	124-421-26-12	300 x 28	38mm	Early 500E/SL500, all SL320 (?)
Y	\$100.00	129-421-20-12	300 x 28	38mm	Alternate rotor for above?
n/a	\$100.00	129-421-17/18-12	320 x 30	43mm	Late 500E/SL500, all SL600
n/a	\$142.00	129-421-21-12	334 x 32	44mm	Late SL500/SL600 (non-drilled)
n/a	\$117.00	129-421-23-12	334 x 32	44mm	Silver Arrow models (drilled)
n/a	\$134.00	203-421-09-12	345 x 30	42mm	C32 AMG (drilled, 1-piece)
Y	\$134.00	230-421-07-12	360 x 36	58mm	E55 AMG (drilled, 1-piece)
n/a	\$820.00	209-421-01-12	360 x 36	?	CLK63 AMG (drill+slot, 2-piece)
	<i>Front splash shields</i>				
	\$83.00	124-420-25/26-44	294 x 25	n/a	For W124 hub & knuckle (6 cyl)
	\$83.00	124-420-27/28-44	294 x 25	n/a	For R129 hub & knuckle (V8)
	\$79.00	129-420-21/22-44	300 x 28	n/a	For R129 hub & knuckle (V8)
	\$79.00	129-420-18/19-44	320 x 30	n/a	For R129 hub & knuckle (V8)
	Notes for front rotors:				
	25/26-44 shield should work with W124 hub/knuckle and 300mm rotor				
	E420 (294mm) and E500 (320mm) rotors WILL NOT fit early Lower Control Arms & 124 hubs				
	E420/E500 (294/320mm) brakes require either late model LCA, *or* R129 knuckle+hub, or both				
	Early 500E 300mm calipers are aluminum Brembos, the SL320/SL500 300mm calipers are iron ATE				
	Late SL500/600 (334mm) brakes are aluminum Brembo and fit R129 hubs - 17" wheels required				
	REAR ROTORS				
<i>Zim</i>	Price	Part number	Size		Notes
<i>Drilled</i>					
Y	\$55.00	210-423-04-12	278 x 9		86-92 wagons, cars w/M104
Y	\$77.00	129-423-00-12	278 x 9		R129 SL320, early SL500
n/a	\$51.00	124-423-11-12	290 x 10		Late 1995 wagons
n/a	\$80.00	124-423-10-12	278 x 20		1993 through early 95 wagons
n/a	\$80.00	124-423-08-12	278 x 24		E420
n/a	\$87.00	129-423-02-12	278 x 24		E500 (2mm thicker, R129 hub)
n/a	\$87.00	129-423-03-12	300 x 22		E500 Euro, SL500/SL600
n/a	\$117.00	129-423-05-12	300 x 22		Silver Arrow models (drilled)
n/a	\$200.00	171-423-02-12	330 x 26		CLK63 AMG (drilled & slotted)
n/a	\$109.00	220-423-09-12	330 x 26	46mm, 164mm e-brake	S55, CL55 AMG (drilled)
n/a	\$109.00	211-423-10-12	330 x 26	59mm, 180mm e-brake	E55 AMG (drilled) - WON'T FIT!!
	<i>Rear splash shields</i>				
	\$47.00	202-420-14/15-44	258		258mm rotors only
	\$47.00	210-420-14/15-44	278-300		278-300mm rear rotors
	\$47.00	210-420-06/07-44	278-290	Part # may have rolled	278-290mm, wagons & coupes
	Notes for rear rotors:				
	Splash shield replacement requires pulling the rear hub - not a DIY job, very expensive to pay a shop				

Pricing

The stock rear shield can be cut for clearance - see the URL below for details:				
http://www.2phast.com/190E/brakes.htm				
Front Lower Control Arms (LCA)				
Price (EA)	Part number			Notes
\$384	124-330-30/31-07		Early, stock	<i>Won't fit 294, 295, 320, 334mm</i>
\$384	201-330-40/41-07		Early, Sportline	<i>without R129 hub & knuckle</i>
\$480	124-330-34/35-07		Late, stock	<i>Has ball joint welded in, it can</i>
\$480	124-330-36/37-07		Late, Sportline	<i>not be replaced!</i>
Front lower control arm bushings:				
Price (EA)	Part number	Type		Notes
\$137/ea	124-330-05-75	Standard		Up to B711095
\$137/ea	124-330-06-75	Standard		From B711096
\$160/ea	201-330-01-75	Sportline		Up to B711095
\$160/ea	124-330-09-75	Sportline	B711095-C018227	<-- This kit has the same bushings as the 201- kit, but with different hardware
\$137/ea	124-330-06-75	Sportline	From C018227	<-- Late Sportline models reverted to the soft/standard rubber bushings.
PORTERFIELD BRAKE PADS				
Front size	Porterfield part #		Price (R4-S)	
284 x 22	AP-423		\$110	
294 x 25	AP-561		\$139	
295 x 22	AP-561		\$139	
300 x 28	AP-561		\$139	
320 x 30	AP-561		\$139	
334 x 32	AP-847		\$170	
Rear size	Porterfield part #		Price (R4-S)	
258 x 9	AP-335b		\$69	
278 x 9	AP-495		\$79	
278 x 24	AP-495		\$79	
300 x 22	AP-603		\$119	