

Coil Spring Specs Front

							Deflection		
Part Number	Front/Rear	Application	Free length (inches)	Number of coils	Wire diam. (mm)	per 1000 N load	Blue / Red paint stripe	New/Used	
HWA-124-321-04-04	Front	E60 AMG		10	16.5				
124-321-35-04	Front	500E	15	10.75	15.9	N/A	Red (short)	New	
124-321-42-04	Front	400E Sportline	15.125	10.6	15.7	N/A	Red (short)	New	
124-321-41-04	Front	E320 Cabrio Sportline (tall)							
124-321-40-04	Front	E320 Cabrio Sportline (short)							
124-321-39-04	Front	400E (tall)			15.4				
124-321-38-04	Front	400E (short)							
124-321-36-04	Front	Limo (260E/.027, 250D/.127)							
124-321-31-04	Front	E320 Cabrio stock (see footnote)	15.31	11	15.9	N/A	Red (short)	New	
124-321-30-04	Front	300E Sportline (tallest of 4 avail.)	15.25	10.7	15.6	N/A	Red (short)	New	
124-321-29-04	Front	300E Sportline (second tallest of 4)	N/A	N/A	N/A	N/A	N/A	N/A	
124-321-28-04	Front	300E Sportline (second shortest of 4)	N/A	N/A	N/A	N/A	N/A	N/A	
124-321-27-04	Front	300E Sportline (shortest of 4 avail.)	N/A	N/A	N/A	N/A	N/A	N/A	
124-321-26-04	Front	4Matic (allows axle pass-through)	N/A	N/A	15.85	18.8	N/A	N/A	
124-321-25-04	Front	4Matic (allows axle pass-through)	N/A	N/A	16.25	17.2	N/A	N/A	
124-321-24-04	Front	4Matic (allows axle pass-through)	N/A	N/A	16.6	15.7	N/A	N/A	
124-321-34-04	Front	Limo (260E/.027, 250D/.127)							
124-321-23-04	Front	USA 1987 300D, stock	N/A	N/A	15.7	18.2	N/A	N/A	
124-321-22-04	Front	USA 124.128, 124.131, stock	17	11.9	15.3	19.6	Blue (long)	Used	
124-321-22-04	Front	USA 124.128, 124.131, stock	17.125	11.8	15.3	19.6	Red (short)	Used	
124-321-21-04	Front	USA 1986 300E, stock	N/A	12	14.7	21.2	N/A	Used	
124-321-20-04	Front	Lightweight 124's (6-cyl, stripped)	N/A	N/A	14.3	22.8	N/A	N/A	
124-321-19-04	Front	Featherweight 124's (4-cyl, stripped)	N/A	N/A	14.0	24.8	N/A	N/A	
EW-2518.001-VA	Front	Carat by Duchatalet (124.030)	15	10	15.1	N/A	N/A	Used	
2517.001	Front	Eibach (also marked 76607)	15.25	9.8	15.1	N/A	N/A	Used	
29-569-VA	Front	H&R / Neuspeed (# of coils is estimated)		10		N/A	N/A		
	Front	H&R 500E springs (Justin measured)	12.25	?	17.5	N/A	N/A	New	

Coil Spring Specs Front

Coil Spring Specs Rear

Part Number	Front/Rear	Application	Free length (inches)	Number of coils	Wire diam. (mm)	per 1000 N load	Blue / Red paint stripe	New/Used
HWA-124-324-04-04	Rear	E60 AMG		8.8	14.5			
124-324-38-04	Rear	500E with code 958 (Limited)	N/A	N/A	N/A	N/A	N/A	N/A
124-324-30-04	Rear	500E standard	11.625	9.5	14.25	N/A	Red	Used
124-324-35-04	Rear	400E Sportline (with SLS)	N/A	N/A	N/A	N/A	N/A	N/A
124-324-36-04	Rear	400E Sportline (tall, non-SLS)	N/A	N/A	N/A	N/A	N/A	N/A
124-324-28-04	Rear	400E Sportline (short, non-SLS)	12.5	10	14.35	N/A	Blue (long)	New
124-324-34-04	Rear	E320 Cabrio Sportline (non-SLS)	N/A	N/A	N/A	N/A	N/A	N/A
124-324-33-04	Rear	E320 Cabrio stock (non-SLS)	N/A	N/A	N/A	N/A	N/A	N/A
124-324-28-04	Rear	300E Sportline (tall)	12.5	10	14.35	N/A	Blue (long)	New
124-324-28-04	Rear	300E Sportline (tall)	12.75	10	14.35	N/A	Blue (long)	Used
124-324-23-04	Rear	300E Sportline (short)	12.25	9.7	14.35	N/A	Blue (long)	New
124-324-11-04	Rear	1986 300E & 1987 300D, stock	13.75	10.9	13.75	17.2	Blue (long)	Used
124-324-12-04	Rear	H.D. suspension	N/A	N/A	14.0	15.6	N/A	N/A
124-324-13-04	Rear	various	N/A	N/A	12.7	21.9	N/A	N/A
124-324-14-04	Rear	various	N/A	N/A	13.2	18.5	N/A	N/A
124-324-16-04	Rear	various	N/A	N/A	13.8	17.2	N/A	N/A
124-324-17-04	Rear	various	N/A	N/A	14.0	15.6	N/A	N/A
124-324-18-04	Rear	various	N/A	N/A	14.6	17.2	N/A	N/A
124-324-20-04	Rear	various	N/A	N/A	12.85	21.9	N/A	N/A
124-324-21-04	Rear	various	N/A	N/A	14.2	15.6	N/A	N/A
124-324-22-04	Rear	various	N/A	N/A	12.6	21.9	N/A	N/A
EW-2504.002-VA	Rear	Carat by Duchatalet (124.030)	12.125	10.75	13.65	N/A	N/A	Used
2517.002	Rear	Eibach (also marked 71986)	12.375	10.4	13.65	N/A	N/A	Used
29-569-HA	Rear	H&R / Neuspeed		9.75		N/A	N/A	
	Rear	H&R 500E springs (Justin measured)	11.6	?	15	N/A	N/A	New
NOTES:								
All rear spring "applications" are for standard suspension without SLS (self-leveling suspension)								

Coil Spring Specs Rear

			Shocks/	
1986 300E			Struts	Setup
Front	Rear full	Rear empty		
15.5	15.0	15.25	Used	Stock springs, stock pads (#21 front, 4pt pad; #11 rear, 3pt pad)
1987 300D (White)			Shocks/	
Front	Rear full	Rear empty	Struts	Setup
15.25	14.875	15.5	25kmi	Stock springs, stock pads (1pt front-red/short, 2pt rear-blue/long)
13.25	13.25	13.5	31kmi	Neuspeed springs, front cut 1/2 coil with 2pt pad, rears uncut with 3pt pad (was 13.5 F+R when new)
14.5	14	14.5	40kmi	500E #35 red/short front with 1pt pad, #28 red/short rear with 1pt pad - NEW springs
14	14	14.5	40kmi	500E #35 red/short front <u>cut 1/2 coil</u> , with 2pt pad, #28 red/short rear with 1pt pad - NEW springs
1987 300D (Blue)			Shocks/	
Front	Rear full	Rear empty	Struts	Setup
15	15	15.5	Used	Stock springs, stock pads (?pt front, ?pt rear)
14.25	14.25	14.5	NEW	Carat springs with 4pt front and 3pt rear - when NEW
13.25	13.875	14.25	47kmi	Carat springs with 4pt front and 3pt rear - after 6 years & 47k miles
14.25	14.5	14.875	47kmi	Sportline: #30 red/short front with 3pt pad, #28 blue/long rear with 1pt pad - when NEW (old Carat dampers)
14	14.5	14.75	51kmi	Sportline: #30 red/short front with 3pt pad, #28 blue/long rear with 1pt pad - after 4,000 miles (old Carat dampers)
14.5	14.5	14.75	NEW	Sportline: #30 red/short front with 3pt pad, #28 blue/long rear with 1pt pad - when NEW (w/ new dampers)
14.375	14.125	14.375	2kmi	Sportline: #30 red/short front with 3pt pad, #28 blue/long rear with 1pt pad - after 2,000 miles (& alignment) - KMAC
14.25	14.25	14.5	2kmi	Sportline: #42 red/short front with 1pt pad, #28 blue/long rear with 2pt pad - when NEW (2kmi on dampers) - KMAC
14	14.125		25kmi	Sportline: #42 red/short front with 1pt pad, #28 blue/long rear with 2pt pad - (25kmi on dampers) - KMAC
14.625	14.125		25kmi	Cabrio: #31 red/short front with 1pt pad, #28 blue/long rear with 2pt pad - (25kmi on dampers) - KMAC
14.125	14.125		25kmi	Sportline: #42 red/short front with 2pt pad, #28 blue/long rear with 2pt pad - (25kmi on dampers) - KMAC
14	14.25	14.5	NEW	Custom: #42 red/short front with 2 pt pad, #23 blue/long rear with 2pt pad - New KONI sport dampers
14	13.875	14.25	NEW	Custom: #42 red/short front with 2 pt pad, #23 blue/long rear with 1pt pad - New KONI sport dampers
1987 300D (Other)			Shocks/	
Front	Rear full	Rear empty	Struts	Setup
15.5	15.25	15.75	New	Stock springs, stock pads (#23 ? front, 2pt pad; #xx ? rear, 3pt rear) - Harris (approx 9 mo. after full suspension rebuild)
?	?	?	Used	Stock springs, stock pads (Xpt front, Xpt rear) - Dad
15	15	15.5	Used	Stock springs, stock pads (?pt front, ?pt rear) - Blue
15.25	15	15.5	?	Stock springs, stock pads (1pt front-red/short, 2pt rear-blue/long) - White
13.875	13.75	14.25	Used	Eibach springs, 3-pt pads all around, Bilstein HD w/50kmi - Speedy300D / Aaron, silver '87
13.625	14	14.5	Used	Eibach springs, 2pt front pad, 3pt rear pad, front sitting on stop buffer - Connor's black '87 300D
15.25	15.25		Used	#22 front springs, 2pt pad; #11 rear springs, 2pt pad. - Connor's black '87 300D
1992 500E			Shocks/	
Front	Rear full	Rear empty	Struts	Setup
13.375	14	14.5	Used	H&R springs (4pt front pad; 3pt rear pad) - Rear height varies due to SLS
1993 300D			Shocks/	
Front	Rear full	Rear empty	Struts	Setup
15	14.75	15.25	Used	Stock springs, stock pads (#22 blue front, 2pt (~1.5pt) pad; #11 rear, 2pt pad). Struts still had decent gas pressure.
14.25		15	Used	Stock springs, thinner front pad (#22 blue front cut 1/4 coil, 1pt pad; #11 rear, 2pt pad). Dampers have ~63kmi.
14.625		15	Used	Stock springs, thinner front pad (#22 blue front cut 1/4 coil, 2pt (~1.5pt) pad; #11 rear, 2pt pad). Dampers have ~63kmi.
15		15	Used	Stock springs, thicker front pad (#22 blue front cut 1/4 coil, 3pt pad; #11 rear, 2pt pad). Dampers have ~63kmi.
1994 E320			Shocks/	
Front	Rear full	Rear empty	Struts	Setup
14.125	14.5	15	Used	Stock springs, stock pads (#22 red front, 2pt pad; #11 blue/long rear, 2pt pad) - Harris
1994 E500			Shocks/	
Front	Rear full	Rear empty	Struts	Setup
13.75	14.125	14.625	Used	Stock springs (#35 red front, 2pt pad; #30 red rear, 1pt pad) - Rear height varies due to SLS
1995 E420			Shocks/	
Front	Rear full	Rear empty	Struts	Setup
14.5	14.5		Used	Stock springs, stock pads (#39 ??? front, 3pt pad; #xx ?? rear, 1pt pad) - Smoky

						Jan-2009
Part number	Height	I.D.	Color	Firmness	Applications	MSRP
124-323-06-44	70mm	16.5mm	Tan	Hard	500E only: not used on any other application besides 124.036	\$18.50
124-323-07-44	83mm	16.5mm	Tan	Soft	124 only: (no 4Matics), non-Sportline, std springs. "To 124-320-3930, -3230, -5330". Most W124's from 1990-up, also 400E (Intro book = white color, 83mm long)	\$12.50
129-323-03-44	83mm	?	Tan	?	124, 129, and 201: Most 201 Sportline including .034/.035; also 129.061/.066, 124 wagons in Europe & Japan w/Sportline (w/ 124-320-1930, -3530, -3630, -4230, -5630)	\$12.50
129-323-05-44	83mm	16.5mm	Tan	Medium	124 and 201 only: standard suspension (as of A873917, A862989... varies by chassis). "To 124-320-2630, -2330, -0130, -0730"	\$12.50
129-323-06-44	75mm	16.5mm	Red	Hard	124 only: most Sportline, also early AMG models (.031, .051). <i>Used up to 05/1992?</i> Only for certain Sportline struts? "To 124-320-1930, -3530, -3630, -4230, -5630"	\$14.00
129-323-07-44	75mm	16.5mm	Natural (Tan)	Medium	124, 129, and 201: both std and Sportline suspensions. Most 129 w/o front SLS. Most 201 with standard suspensions (Sportline 201's used 129-323-03-44). Most 6-cyl Sportline (-#60, 64), 400E Sportline, std 87 124.133 (#30,32,37,39,51,53) <i>Replaced by 124-323-07-44 for some applications (i.e., 124.128 USA). Used from 06/1992?</i>	\$12.50
129-327-04-30	75mm?	?	Natural?	?	129 only: All models with front self-levelling?	\$24.50
201-323-20-44	96mm	16.5mm	Green	Soft	124 and 201 only: Original buffer for stock struts used on early 124 & 201, to ~1989? "To -0130, -0730, w/ standard springs" (early, to A873916, A862988... varies by chassis) "To -0830, -4130, -5530, -0430, -3430, w/ HD springs" Also late 124's wth HD springs, and most 124 4Matic models.	\$12.00

Strut stop buffers