



2013 AUTOCROSS CLASSIFICATION SYSTEM CAR MODIFICATIONS AND BASE POINTS DOCUMENTATION

Tires

Note that r-comps are defined as having tread wear less than 110

non-DOT legal	-> +30
grooved R-comps	-> +22
cross-tread R-comps	-> +10
summer tires	-> 0
all-season (M+S)	-> -10

Wheels

Wider front wheels -> +1 per 0.5" increase

Wider rear wheels -> +1 per 0.5" increase

Suspension

Shocks

BMW base non-M	-> 0
BMW sport or performance package	-> +1
BMW M (includes competition package)	-> +2
non-adjustable or single-adjustable	-> +3
double-adjustable or triple-adjustable	-> +5

Springs

BMW base non-M	-> 0
BMW sport or performance package	-> +1
BMW M (includes competition package)	-> +2
springs (without adjustable perches)	-> +4
springs (with adjustable perches)	-> +9
springs along with major suspension changes (relocate mounting points, custom control arms, etc)	-> +20

Sway Bars

BMW active rollbars option is treated the same as having aftermarket sway bars.

aftermarket front sway bar or BMW active rollbar option	-> +2
aftermarket rear sway bar (without adjustable perch springs) or BMW active rollbar option	-> +2

Gears

differential gear changes -> +2

Drivetrain

lightweight flywheel -> +1

Camber

note that this applies to things ADDED to the car that increase camber (camber plates, shimming the struts, swap strut hats, etc) and does not include the additional camber gained from alignments or lowering the car

increased front camber (3 series e30 and prior, 5 series e28 and prior)	-> +4
increased rear camber (3 series e30 and prior, 5 series e28 and prior)	-> +1
increased front camber (all other)	-> +5

Transmissions

manual, SMG or DCT	-> 0
steptronic or CVT	-> -1
fully automatic (no steptronic)	-> -3

Weight reduction

aftermarket sport seats	-> +1
rear seat removal and/or removing trunk lining	-> +1
stripping of interior (dash, glove box, etc)	-> +1
lightweight hood and/or body panels	-> +1
AC removal	-> +1
Airbag removal (other than steering wheel airbag)	-> +1
interior carpeting and/or sound deadening removal	-> +2
additional unclassified weight reduction	-> +2

LSD

if your car does not come standard with a LSD, look up the LSD points for your car. The LSD point values for each car are found in the Base Points document.

Engine

Additional classification points for engine mods are based on % increase in engine horsepower those mods provide.

You can determine the % increase in 3 different ways:

- you have a dyno chart for your car
- you have manufacturer's published numbers for your mod
- you can use our assigned % increase in hp for your mod

Step 1

You have a dyno chart

Take the max hp number on the chart. That is the hp at the drive wheel(s). To convert that to bhp, divide by 0.85. That is the bhp of your car. Subtract the stock hp for your car from that and then divide that number by the stock hp. That will give you the % increase in hp for your mods. Here it is in formula form:

$$\% \text{ increase in hp} = \frac{((\text{max hp on the dyno}) / 0.85) - \text{stock hp}}{\text{stock hp}}$$

Proceed to Step 2 to lookup your classification points if all of your engine mods are included in the dyno.

You have manufacturer's published numbers

Take the manufacturer's published number and divide by the stock hp.

$$\% \text{ increase in hp} = \frac{\text{Manufacturer's published hp increase in hp}}{\text{stock hp}}$$

You can repeat this calc for every engine mod you have published numbers for. Total the percents together. If you have the % increase for all your mods, then proceed to Step 2.

You do not have a dyno or manufacturer's published numbers

Find each mod you have in the chart below and add together the % increases.

Engine Mod	% increase in hp
Big bore throttle body	1
Exhaust	2
Headers	2
Manifold	2
Removed cats	2
Underdrive crank pulley	2
Injectors	3
Air intake	4
Underdrive pullies	5
Valves/headwork	6
Distributor	6
Software (ODB2) (non-turbo engine)	7
Chip (ODB1) (non-turbo engine)	9
Carbs	10
Fuel Injection in place of carbs	10
Cams	11
Supercharger pulley reduction	15
Piston/bore or stroke or comp increase	20
Chip/software (turbo engine)	30
Supercharger (not twinscrew)	40
Turbo or twin-screw supercharger	50

Add together the numbers and proceed to Step 2.

BMW GGC Classes

Note that you may always choose to run in the next higher class than your car class

Class	Point Range
C	0-39
B	40-49
A	50-59
AA	60-69
AAA	70-79
Gonzo*	80+

*Gonzo is an adjusted class. The times in Gonzo will be adjusted according the TDS formula. The top time in Gonzo will be the best adjusted time. Drivers choosing to run in Gonzo that have a car classed in a lower class will automatically have 80 points assigned to their car. Fastest Time of Day (FTD) will remain a raw time.

TDS Formula:

$$\text{adjustedTime} = ((60/59.901)^{\text{points}} * \text{realTime} * 0.85$$

Base Points Database

Chassis	Car	Year From	Year To	Points	Engine Level	LSD Points	Front Wheel Width	Rear Wheel Width	Suspension Code
E10	2002 Turbo	1973	1974	46	7	7	6	6	N
E12/6	528e	1982	1988	22	0	0	6.5	6.5	N
E12/6	528i	1979	1979	20	2	2	6	6	N
E12/6	528i	1980	1981	22	2	2	6	6	N
E12/6	530i	1975	1976	22	3	3	6	6	N
E12/6	530i	1977	1978	21	2	2	6	6	N
E21	316 Euro	1975	1983	28	0	0	5	5	N
E21	320i	1977	1977	30	0	0	5.5	5.5	N
E21	320i	1978	1979	28	0	0	5.5	5.5	N
E21	320i	1980	1983	29	0	0	5.5	5.5	N
E21	320is	1978	1979	29	0	N/A	5.5	5.5	S
E21	320is	1980	1983	29	0	N/A	5.5	5.5	S
E21/5	320/6 Euro	1977	1983	33	1	1	5.5	5.5	N
E21/5	323i Euro	1977	1983	38	4	4	5.5	5.5	N
E23	733i	1978	1979	24	2	2	6.5	6.5	N
E23	733i	1980	1981	21	1	1	6.5	6.5	N
E23	733i	1982	1983	24	2	2	6.5	6.5	N
E23	733i	1984	1984	24	2	2	6.5	6.5	N
E23	735i	1985	1987	26	3	3	6.5	6.5	N
E23	735i Euro	1978	1987	32	6	6	6.5	6.5	N
E23	L7	1986	1987	26	3	3	6.5	6.5	N
E24	630csi	1977	1977	19	2	2	6	6	S
E24	633csi	1978	1982	22	2	2	6.5	6.5	S
E24	633csi	1983	1984	27	3	3	6.5	6.5	S
E24	635csi	1985	1986	25	4	4	6.5	6.5	S
E24	635csi	1988	1989	25	6	6	6.5	6.5	S
E24	635csi Euro	1978	1984	31	7	7	6.5	6.5	S
E24	L6	1987	1987	26	3	N/A	6.5	6.5	N
E24	M6	1987	1989	38	7	N/A	7.5	7.5	M

E24	M6 Euro	1983	1989	45	8	N/A	7.5	7.5	M
E28	524td	1985	1986	26	0	0	6	6	N
E28	533i	1982	1982	31	4	4	6.5	6.5	N
E28	533i	1983	1984	31	4	4	6.5	6.5	N
E28	535i	1985	1988	28	3	3	6.5	6.5	N
E28	535is	1987	1988	31	3	N/A	6.5	6.5	S
E28	Alpina B11-3.5	1987	1990	48	5	N/A	10	10	S
E28	M5	1987	1988	45	7	N/A	7.5	7.5	M
E28	M5 Euro	1987	1988	48	8	N/A	6.5	6.5	M
E28	M535i Euro	1986	1986	44	7	N/A	6.5	6.5	S
E3	2500	1968	1976	30	6	6	6	6	N
E3	2800	1968	1971	29	5	5	6	6	N
E3	3.0s	1973	1976	22	4	4	6	6	N
E3	3.0si	1975	1976	17	2	2	6	6	N
E3	Bavaria	1971	1972	29	5	5	6	6	N
E3	Bavaria	1973	1974	26	6	6	6	6	N
E3	Bavaria Euro 2.8L	1976	1976	26	2	2	6	6	N
E30	316 Euro	1984	1990	33	0	0	5.5	5.5	N
E30	318i	1984	1985	33	0	0	6	6	N
E30	318i 4 Dr	1990	1991	35	1	1	6	6	N
E30	318i Convertible	1990	1991	30	1	1	6	6	N
E30	318is	1990	1991	39	1	1	6.5	6.5	S
E30	320/6 Euro	1984	1990	38	1	1	6	5.5	N
E30	323i Euro	1984	1986	41	4	4	5.5	6	N
E30	325(e)	1987	1988	27	0	0	6	6	N
E30	325/325e	1984	1985	28	0	0	6	6	N
E30	325/325e	1986	1986	27	0	0	6	6	N
E30	325es	1986	1988	27	0	N/A	6	6	S
E30	325i	1987	1988	32	5	5	6	6	N
E30	325i	1989	1989	31	5	5	6	6	N
E30	325i	1990	1991	33	5	5	6	6	N
E30	325i Convertible	1987	1990	29	4	4	6	6	N
E30	325i Convertible	1991	1992	32	4	4	6.5	6.5	N
E30	325i Euro	1987	1991	41	8	8	6	6	N

E30	325is	1987	1988	41	5	N/A	6.5	6.5	S
E30	325is	1989	1991	39	4	N/A	6.5	6.5	S
E30	325ix	1988	1990	36	0	N/A	7	7	N
E30	325ix	1991	1991	37	0	N/A	7	7	N
E30	Alpina B6-2.7	1984	1988	56	6	N/A	8	8	S
E30	Alpina C1-2.5	1987	1990	53	5	N/A	8	8	S
E30	Alpina C2-2.7	1987	1990	43	2	N/A	8	8	S
E30	H & B 327s	1984	1984	52	6	N/A	7	7	S
E30	Hartge H26	1984	1991	52	7	N/A	7	7	S
E30	M3	1988	1991	47	7	N/A	7	7	M
E30	M3 Dinan Stroker	1988	1991	50	8	N/A	7	7	M
E30	M3 Dinan Turbo	1988	1991	54	8	N/A	7	7	M
E30	M3 Euro	1987	1991	54	7	N/A	7	7	M
E31	840ci	1994	1997	30	4	N/A	7.5	7.5	N
E31	850ci	1994	1997	33	6	N/A	7.5	7.5	N
E31	850csi	1994	1994	43	8	N/A	9	9	S
E31	850csi	1995	1997	40	8	N/A	8	9	S
E31	850i	1991	1993	30	4	N/A	7.5	7.5	N
E32	735i	1988	1992	30	3	N/A	7	7	N
E32	735iL	1988	1992	26	2	N/A	7	7	N
E32	740i	1993	1994	27	5	5	7	7	N
E32	740i	1995	1995	29	4	4	8	8	N
E32	740iL	1993	1994	26	4	4	7	7	N
E32	750iL	1988	1994	25	4	4	7	7	N
E34	525i	1989	1990	29	1	1	7	7	N
E34	525i	1991	1992	30	2	2	7	7	N
E34	525i	1993	1995	30	2	2	7	7	N
E34	525i Touring	1992	1992	25	2	2	7	7	N
E34	525i Touring	1993	1995	25	2	2	7	7	N
E34	530i	1993	1995	28	3	3	7	7	N
E34	530i Touring	1993	1995	24	2	2	7	7	N
E34	535i	1989	1993	30	4	4	7	7	N
E34	540i	1995	1995	31	6	6	7	7	N
E34	540i Sport	1995	1995	32	6	6	7	7	S

E34	M5	1991	1993	43	7	N/A	8	8	M
E36	318i 4 Dr	1992	1994	31	1	1	6	6	N
E36	318i 4 Dr	1995	1995	30	1	1	6	6	N
E36	318i 4 Dr	1996	1997	30	1	1	6	6	N
E36	318i Convertible	1993	1995	30	0	0	7	7	N
E36	318i Convertible	1996	1997	31	0	0	7	7	N
E36	318is	1992	1994	36	0	0	7	7	N
E36	318is	1995	1995	34	0	0	7	7	N
E36	318is	1996	1997	34	0	0	7	7	N
E36	323i Convertible	1998	1998	31	1	1	7	7	N
E36	323is	1998	1999	36	2	2	7	7	N
E36	325i 4 Dr	1992	1992	37	5	5	7	7	N
E36	325i 4 Dr	1993	1995	37	5	5	7	7	N
E36	325i Convertible	1994	1995	33	3	3	7	7	N
E36	325is	1992	1992	39	5	5	7	7	N
E36	325is	1993	1995	38	5	5	7	7	N
E36	325is M Technik	1994	1994	38	5	5	7	7	M
E36	328i 4 Dr	1996	1998	36	4	4	7	7	N
E36	328i Convertible	1996	1997	32	3	3	7	7	N
E36	328i Convertible	1998	1999	32	3	3	7	7	N
E36	328is	1996	1999	36	4	4	7	7	N
E36	M3	1995	1995	49	8	N/A	7.5	7.5	M
E36	M3	1996	1999	52	8	N/A	7.5	8.5	M
E36	M3 4 Dr	1996	1998	52	8	N/A	7.5	8.5	M
E36	M3 Convertible	1997	1999	45	7	N/A	7.5	8.5	M
E36	M3 Lightweight	1995	1995	58	8	N/A	8.5	8.5	M
E36/5	318ti	1995	1995	34	1	1	6	6	N
E36/5	318ti	1996	1999	35	2	2	6	6	N
E36/7	Z3 1.9	1997	1998	39	1	1	7	7	N
E36/7	Z3 2.3	1999	2000	39	5	5	7	7	N
E36/7	Z3 2.8	1997	1998	40	6	6	7	7	N
E36/7	Z3 2.8	1999	2000	41	7	7	7	7	N
E36/7	Z3 Roadster 2.5i	2001	2002	41	7	7	7	7	N
E36/7	Z3 Roadster 3.0i	2001	2002	49	8	8	8.5	8.5	N

E36/7S	M Roadster	1998	2000	53	8	N/A	7.5	9	M
E36/7S	M Roadster	2001	2002	55	9	N/A	7.5	9	M
E36/8	Z3 Coupe 2.8	1999	2000	48	7	N/A	7	7	N
E36/8	Z3 Coupe 3.0i	2001	2002	49	8	8	8.5	8.5	N
E36/8S	M Coupe	1998	2000	52	8	N/A	7.5	9	M
E36/8S	M Coupe	2001	2002	54	9	N/A	7.5	9	M
E38	740i	1998	2001	29	7	7	8	8	N
E38	740iL	1998	2001	29	7	7	8	8	N
E38	750iL	1998	2001	24	7	7	7.5	7.5	N
E39	525i	2001	2003	32	4	4	7	7	N
E39	525i Sports Wagon	2001	2003	30	1	1	7	7	N
E39	528i	1997	1998	29	2	2	7	7	N
E39	528i	1999	2000	31	4	4	7	7	N
E39	528i Sports Wagon	1999	1999	25	4	4	7	7	N
E39	530i	2001	2003	33	7	7	7	7	N
E39	540i	1997	1998	34	7	7	8	8	N
E39	540i	1999	2003	28	7	7	7	7	N
E39	540i Sports Wagon	1999	2003	28	7	7	7	7	N
E39		1998	2003	46	9	N/A	8	9.5	M
E46	323Ci Convertible Sport	1999	2000	28	3	3	8	7	S
E46	323i	1999	2000	31	4	4	6.5	6.5	N
E46	325Ci Convertible	2001	2006	30	3	3	7	7	N
E46	325Ci Coupe	2001	2005	36	5	5	7	7	S
E46	325Ci Coupe	2006	2006	36	5	5	7	7	S
E46	325i Sedan	2001	2005	36	5	5	7	7	N
E46	325i Wagon	2001	2005	35	4	4	7	7	N
E46	325xi Sedan	2001	2005	33	0	0	7	7	N
E46	325xi Wagon	2001	2005	32	0	0	7	7	N
E46	328Ci	2000	2000	36	6	6	7	7	N
E46	328i	1999	2000	37	5	5	7	7	N
E46	330Ci Convertible	2001	2006	32	6	6	7	7	N
E46	330Ci Convertible Performance Package	2004	2006	37	7	7	8	8.5	S
E46	330Ci Coupe	2001	2006	36	7	7	7	7	S
E46	330Ci Coupe Performance Package	2004	2006	43	8	8	8	8.5	S

E46	330i Sedan	2001	2005	37	8	8	7	7	N
E46	330i Sedan Performance Package	2003	2005	41	8	8	8	8.5	S
E46	330xi Sedan	2001	2005	39	0	0	7	7	N
E46	330xi Wagon	2001	2005	39	0	0	7	7	N
E46	M3	2001	2007	54	9	N/A	8	9	M
E46	M3 Convertible	2001	2007	47	8	N/A	8	9	M
E52	Z8	2001	2001	56	9	N/A	8	9.5	S
E6	2002	1974	1976	28	2	2	4.5	4.5	N
E6	2002 Touring	1971	1974	32	2	2	4.5	4.5	N
E6	2002tii	1971	1973	33	3	3	5	5	N
E6	2002tii	1974	1974	31	3	3	5	5	N
E60	525i	2004	2005	35	4	4	7	7	N
E60	525i	2006	2007	40	8	8	7.5	7.5	N
E60	525xi	2006	2007	44	0	N/A	7.5	7.5	N
E60	528i	2008	2010	40	8	8	7.5	7.5	N
E60	528Xi	2008	2010	43	0	N/A	7.5	7.5	N
E60	530i	2001	2005	39	7	7	7.5	7.5	N
E60	530i	2006	2007	42	9	9	7.5	7.5	N
E60	530xi	2006	2007	51	0	N/A	7.5	7.5	N
E60	530xi Sports Wagon	2006	2007	46	0	N/A	7.5	7.5	N
E60	535i	2008	2010	40	9	9	7.5	7.5	N
E60	535Xi	2008	2010	50	0	N/A	7.5	7.5	N
E60	535Xi Sports Wagon	2008	2010	47	0	N/A	7.5	7.5	N
E60	545i	2004	2005	42	9	9	8	9	S
E60	550i	2006	2010	40	9	9	7.5	7.5	N
E60	M5	2006	2010	51	9	N/A	8.5	9.5	M
E63	645Ci	2004	2005	40	9	9	8	8	N
E63	645Ci Convertible	2004	2005	37	9	9	8	8	N
E63	650i Coupe	2006	2011	42	9	9	8	8	N
E63	M6	2006	2010	50	9	N/A	8.5	9.5	M
E64	650i Convertible	2006	2011	37	9	9	8	8	N
E64	M6 convertible	2006	2010	45	9	N/A	8.5	9.5	M
E65	745i	2002	2004	32	8	8	8	8	N
E66	745Li	2002	2004	29	8	8	8	8	N

E66	750i	2006	2009	32	9	9	8	8	N
E66	760i	2002	2004	34	9	9	9	10	N
E66	760Li	2002	2004	31	8	8	9	10	N
E67	750Li	2006	2008	31	8	8	8	8	N
E68	760i	2006	2009	32	8	8	9	10	N
E69	760Li	2006	2009	30	8	8	9	10	N
E82	128i Coupe	2008	2013	41	9	9	7	7	N
E82	135i Coupe	2008	2010	46	9	9	7.5	8.5	S
E82	135i Coupe	2011	2013	46	9	9	7.5	8.5	S
E82	135is coupe	2013	2013	48	9	9	7.5	8.5	S
E82	1M Coupe	2011	2012	63	9	N/A	9	10	M
E82	ActiveE	2011	2012	33	1	1	7	7	N
E85	Z4 2.5i	2003	2005	44	8	8	7	7	N
E85	Z4 3.0i	2003	2005	50	8	8	8	8	N
E85	Z4 3.0i	2006	2008	49	9	9	8	8	N
E85	Z4 3.0is	2006	2008	51	9	9	8	8	N
E85	Z4 M	2006	2008	62	9	N/A	8	9	M
E86	Z4 3.0is Coupe	2006	2008	50	9	9	8	8	N
E86	Z4 M Coupe	2006	2008	58	9	N/A	8	9	M
E88	128i Convertible	2008	2013	38	8	8	7	7	N
E88	135i Convertible	2008	2010	39	9	9	7	7	S
E88	135i Convertible	2011	2013	40	9	9	7	7	N
E88	135is Convertible	2013	2013	44	9	9	7.5	8.5	N
E89	Z428i	2012	2013	49	9	9	8	8	N
E89	Z430i	2009	2010	50	9	9	8	8	N
E89	Z430i	2011	2011	49	9	9	8	8	N
E89	Z435i	2009	2010	48	9	9	8	8.5	N
E89	Z435i	2011	2013	47	9	9	8	8.5	N
E89	Z435is	2011	2013	47	9	9	8	8.5	S
E9	2800cs	1968	1971	31	4	4	6	6	N
E9	3.0cs	1971	1975	26	7	7	6	6	N
E9	3.0csi	1971	1975	24	3	3	6	6	N
E9	3.0csL	1973	1975	48	8	N/A	7	7	N
E90	325i	2006	2006	40	8	8	7	7	N

E90	325xi 4 Dr	2006	2006	43	0	N/A	7	7	N
E90	328i Sedan	2007	2011	40	9	9	7	7	N
E90	328xi Sedan	2007	2011	46	0	N/A	7	7	N
E90	330i	2006	2006	44	9	9	8	8	N
E90	330xi 4 Dr	2006	2006	51	0	N/A	8	8	N
E90	335d Sedan	2009	2011	38	7	7	8	8	N
E90	335i Sedan	2007	2010	43	9	9	8	8	N
E90	335i Sedan	2011	2011	43	9	9	8	8	N
E90	335xi Sedan	2008	2010	51	0	N/A	8	8	N
E90	335xi Sedan	2011	2011	51	0	N/A	8	8	N
E90	M3 sedan	2008	2011	55	9	N/A	8.5	9.5	M
E91	325xi Sports Wagon	2006	2006	40	0	N/A	7	7	N
E91	328i Wagon	2007	2012	36	8	8	7	7	N
E91	328xi Wagon	2007	2012	42	0	N/A	7	7	N
E92	328i Coupe	2007	2013	43	8	8	8	8	N
E92	328xi Coupe	2007	2013	49	0	N/A	8	8	N
E92	335i Coupe	2007	2010	43	9	9	8	8	N
E92	335i Coupe	2011	2013	43	9	9	8	8	N
E92	335is Coupe	2011	2013	45	9	9	8	8.5	N
E92	335xi Coupe	2008	2010	54	0	N/A	8	8	N
E92	335xi Coupe	2011	2013	54	0	N/A	8	8	N
E92	M3 coupe	2008	2013	56	9	N/A	8.5	9.5	M
E93	328i Convertible	2007	2013	38	8	8	8	8	N
E93	335i Convertible	2007	2010	41	9	9	8	8	N
E93	335i Convertible	2011	2013	41	9	9	8	8	N
E93	335is Convertible	2011	2013	41	9	9	8	8.5	N
E93	M3 convertible	2008	2013	52	9	N/A	8.5	9.5	M
F01	740i	2011	2013	33	9	9	8	8	N
F01	750i	2010	2012	33	9	9	8	8	N
F01	750i	2013	2013	36	9	9	8.5	8.5	N
F01	750i xDrive	2010	2012	48	0	N/A	8	8	N
F01	750i xDrive	2013	2013	54	0	N/A	8.5	8.5	N
F01	ActiveHybrid 7	2011	2013	35	9	9	8.5	8.5	N
F02	740Li	2011	2013	32	8	8	8	8	N

F02	740Li	2013	2013	29	8	8	8	8	N
F02	750Li	2010	2012	32	9	9	8	8	N
F02	750Li	2013	2013	35	9	9	8.5	8.5	N
F02	750Li xDrive	2010	2012	46	0	N/A	8	8	N
F02	750Li xDrive	2013	2013	51	0	N/A	8.5	8.5	N
F02	760Li	2010	2013	31	9	9	8.5	8.5	S
F02	ActiveHybrid 7	2011	2013	35	9	9	8.5	8.5	N
F06	640i Gran Coupe	2013	2013	34	7	7	8	8	S
F06	650i Gran Coupe	2013	2013	38	9	9	8.5	8.5	S
F06	650i xDrive Gran Coupe	2013	2013	55	0	0	8.5	8.5	S
F07	535i Gran Turismo	2011	2013	30	8	8	8	8	N
F07	535i xDrive Gran Turismo	2011	2013	37	0	0	8	8	N
F07	550i Gran Turismo	2011	2013	30	8	8	8	8	N
F07	550i xDrive Gran Turismo	2011	2013	42	0	0	8	8	N
F10	528i	2011	2011	36	8	8	8	8	N
F10	528i	2012	2013	35	6	6	8	8	N
F10	528i xDrive	2012	2013	37	0	0	8	8	N
F10	535i	2011	2013	35	8	8	8	8	N
F10	535i xDrive	2011	2013	43	0	0	8	8	N
F10	550i	2011	2013	34	8	8	8	8	N
F10	550i xDrive	2011	2013	50	0	0	8	8	N
F10	ActiveHybrid 5	2013	2013	36	8	8	8	8	N
F12	640i convertible	2012	2013	34	7	7	8	8	S
F12	650i convertible	2012	2012	35	8	8	8.5	8.5	S
F12	650i convertible	2013	2013	36	8	8	8.5	8.5	S
F12	650i convertible xDrive	2012	2012	49	0	0	8.5	8.5	S
F12	650i convertible xDrive	2013	2013	53	0	0	8.5	8.5	S
F13	640i	2012	2013	36	8	8	8	8	S
F13	650i	2012	2012	37	8	8	8.5	8.5	S
F13	650i	2013	2013	37	9	9	8.5	8.5	S
F13	650i xDrive	2012	2012	52	0	0	8.5	8.5	S
F13	650i xDrive	2013	2013	57	0	0	8.5	8.5	S
F30	328i sedan	2012	2013	40	7	7	7.5	7.5	N
F30	328xi sedan	2013	2013	44	0	0	7.5	7.5	N

F30	335i sedan	2012	2013	44	9	9	8	8	N
F30	335xi sedan	2013	2013	57	0	0	8	8	N
F30	ActiveHybrid 3	2013	2013	43	8	8	8	8	N
R52	MINI Convertible	2005	2008	20	1	1	5.5	5.5	N
R52	MINI Convertible S	2005	2008	30	7	7	6.5	6.5	N
R53	MINI Cooper	2002	2006	28	2	2	5.5	5.5	N
R53	MINI Cooper JCW GP	2006	2006	45	8	N/A	7	7	M
R53	MINI Cooper John Cooper Works	2002	2005	47	9	N/A	7	7	M
R53	MINI Cooper S	2002	2004	35	7	7	6.5	6.5	S
R53	MINI Cooper S	2005	2006	36	8	8	6.5	6.5	S
R55	MINI Cooper Clubman	2008	2013	24	2	2	5.5	5.5	N
R55	MINI Cooper Clubman John Cooper Works	2009	2013	36	9	9	7	7	M
R55	MINI Cooper Clubman S	2008	2013	33	8	8	6.5	6.5	N
R56	MINI Cooper	2007	2013	28	2	2	5.5	5.5	N
R56	MINI Cooper John Cooper Works	2009	2013	39	9	9	7	7	M
R56	MINI Cooper S	2007	2013	37	8	8	6.5	6.5	N
R57	MINI Convertible	2009	2013	29	1	1	6.5	6.5	N
R57	MINI Convertible John Cooper Works	2009	2013	36	9	9	7	7	M
R57	MINI Convertible S	2009	2013	34	8	8	6.5	6.5	S
R58	Mini Cooper Coupe	2012	2013	29	3	3	5.5	5.5	N
R58	Mini Cooper Coupe John Cooper Works	2012	2013	39	9	9	7	7	M
R58	Mini Cooper Coupe S	2012	2013	35	7	7	6.5	6.5	S
R59	Mini Cooper Roadster	2012	2013	32	3	3	6.5	6.5	N
R59	Mini Cooper Roadster John Cooper Works	2012	2013	38	9	9	7	7	M
R59	Mini Cooper Roadster S	2012	2013	35	8	8	6.5	6.5	S
R60	Mini Cooper Countryman	2011	2013	44	0	0	17	7	N
R60	Mini Cooper Countryman S	2011	2013	52	6	6	17	7	S
R60	Mini Cooper Countryman S ALL4	2011	2013	53	0	0	17	7	S
R60	Mini Cooper Countryman S ALL4 John Cooper Works	2013	2013	60	0	0	17	7	M
Type 114	1602	1971	1975	28	0	0	4.5	4.5	N
Type 114	2002	1968	1973	31	3	3	4.5	4.5	N
Type 114	1600-2	1966	1971	30	0	0	4.5	4.5	N
Type 114	1600TI	1967	1968	31	2	2	4.5	4.5	N
Type 114	2002 Alpina	1967	1967	53	7	N/A	5.5	5.5	N

Type 118	1500 4 Dr	1962	1964	22	0	0	4	4	N
Type 118	1600 4 Dr	1964	1966	20	0	0	4	4	N
Type 118	1800 4 Dr	1963	1971	23	0	0	4.5	4.5	N
Type 118	1800TI 4 Dr	1964	1966	32	4	4	5	5	N
Type 121	2000cA	1965	1967	27	1	1	5	5	N
Type 121	2000cs	1965	1970	28	2	2	5	5	N
Type 121	2000TI 4 Dr	1966	1970	34	4	4	5.5	5.5	N
Type 121	2000tii	1969	1972	31	1	1	5.5	5.5	N