

Technical Data
2015 BMW Z4 Roadster

		Z4 sDrive28i	Z4 sDrive28i	Z4 sDrive35i	Z4 sDrive35is
		Roadster	Roadster	Roadster	Roadster
Engine type	-	N20B2000	N20B2000	N54B3000	N54B3070
Transmission type	-	automatic transmission 8	manual transmission 6	automatic transmission 7	automatic transmission 7
No of Doors / Seats	-	2 / 2	2 / 2	2 / 2	2 / 2
Veh. length	mm / inch	4239 / 166.9	4239 / 166.9	4239 / 166.9	4244 / 167.1
Veh. width	mm / inch	1790 / 70.5	1790 / 70.5	1790 / 70.5	1790 / 70.5
Veh. height	mm / inch	1291 / 50.8	1291 / 50.8	1291 / 50.8	1284 / 50.6
Wheelbase	mm / inch	2496 / 98.3	2496 / 98.3	2496 / 98.3	2496 / 98.3
Turning circle	m / ft	10.7 / 35.1	10.7 / 35.1	10.7 / 35.1	10.7 / 35.1
Ground clearance	mm / inch	130 / 5.1	130 / 5.1	130 / 5.1	124 / 4.9
Shoulder width front	mm / inch	1354 / 53.3	1354 / 53.3	1354 / 53.3	1354 / 53.3
Shoulder width rear	mm / inch	-	-	-	-
Lugroom front	mm / inch	1069 / 42.1	1069 / 42.1	1069 / 42.1	1069 / 42.1
Lugroom rear	mm / inch	-	-	-	-
Max. headroom front	mm / inch	992 / 39.1	992 / 39.1	992 / 39.1	992 / 39.1
Max. headroom rear	mm / inch	-	-	-	-
Trunk volume (SAE)	ft³	6.4-10.9	6.4-10.9	6.4-10.9	6.4-10.9
Fuel tank capacity	liter / gal	55 / 14.5	55 / 14.5	55 / 14.5	55 / 14.5
Curb weight (US)	kg / lbs	1500 / 3307	1480 / 3263	1600 / 3527	1610 / 3549
wt. Weight distribution (empty car)	%	47.7 / 52.3	47.8 / 52.2	49.1 / 50.9	49.4 / 50.6
Gross veh. weight	kg / lbs	1790 / 3924	1750 / 3858	1895 / 4178	1895 / 4178
Payload	kg / lbs	255 / 562	255 / 562	255 / 562	255 / 562
Axle load limit front	kg / lbs	790 / 1742	730 / 1612	870 / 1918	870 / 1918
Axle load limit rear	kg / lbs	1010 / 2227	1010 / 2227	1040 / 2293	1040 / 2293
Engine type / Cylinders / Valves p.cyl.		in line, VANOS, Valvetronic / 4 / 4	in line, VANOS, Valvetronic / 4 / 4	in line / 6 / 4 / VANOS / Valvetronic	in line / 6 / 4 / VANOS / Valvetronic
Engine management		MEVD 17.2.4	MEVD 17.2.4	MSD 80	MSD 81
Induction type		Twin scroll turbocharger	Twin scroll turbocharger	Twin monoscroll turbochargers	Twin monoscroll turbochargers
Displacement	cm³ / inch³	1997 / 122	1997 / 122	2979 / 182	2979 / 182
Stroke	mm / inch	90.1 / 3.5	89.6 / 3.5	89.6 / 3.5	89.6 / 3.5
Bore	mm / inch	84 / 3.3	84 / 3.3	84 / 3.3	84 / 3.3
Engine power / at rpm	hp / kW	240 / 176	240 / 176	300 / 220	300 / 220
Engine torque / at rpm	ft lbs (Nm) / RPM	255 (350) / 1250-4800	255 (350) / 1250-4800	300 (407) / 1400-5000	332 (450) (Overboost: 500Nm) / 1500
Compression ratio / Fuel type (recomm.)	-	10.7 / Premium	10.7 / Premium	10.2 / Premium	10.2 / Premium
Transmission type	-	8HP45	8HP45	DKG 436	DKG 436
Gear ratios 1st gear	-	4.714	3.663	4.78	4.78
2nd gear	-	3.143	2.062	3.056	3.056
3rd gear	-	2.106	1.313	2.153	2.153
4th gear	-	1.667	1	1.678	1.678
5th gear	-	1.285	0.809	1.39	1.39
6th gear	-	1	0.677	1.203	1.203
7th gear	- / 1 / 3	0.839	N/A	1	1
8th gear	- / 1 / 3	0.667	N/A	N/A	N/A
Reverse gear	-	3.295	3.348	4.454	4.454
Final drive	-	3.727	3.077	2.563	2.563
Steering type / Steering ratio	- / 1	rack-and-pinion / 14.4	rack-and-pinion / 14.4	rack-and-pinion / 14.4	rack-and-pinion / 14.4
Front brake Ø diameter	-	disc ventilated Ø330 / 13	disc ventilated Ø330 / 13	disc ventilated Ø 348 / 13.7	disc ventilated Ø 348 / 13.7
Rear brake Ø diameter	-	disc ventilated Ø300 / 11.8	disc ventilated Ø300 / 11.8	disc ventilated Ø 354 / 12.8	disc ventilated Ø 354 / 12.8
CD / A	- ft m² / ft²	0.34 / 1.96 / 21.1	0.34 / 1.96 / 21.1	0.34 / 1.96 / 21.1	0.35 / 1.96 / 21.1
Air resistance	mp / ft²	0.67 / 7.17	0.67 / 7.17	0.67 / 7.17	0.69 / 7.39
Top speed	kmh / mph	210 / 130	210 / 130	210 / 130	250 / 155
Top speed optional	kmh / mph	250 / 155	250 / 155	250 / 155	-
Acceleration 0-60 mph	s	5.4	5.4	5	4.8
Acceleration 0-100kmh	s	5.7	5.8	5.3	5
Acceleration 0-1000m	s	25.6	25.4	24.5	24
Fuel cons. city (official EPA)	mpg	22	22	19	17
Fuel cons. highway (official EPA)	mpg	33	34	26	24
Fuel cons. combined (official EPA)	mpg	26	26	21	20
Range	miles	377	377	395	290
Front tires	-	225/45 R17 91V RSC	225/45 R17 91V RSC	225/45 R17 91V RSC	225/45R18 90W RSC
Rear tires	-	225/45 R17 91V RSC	225/45 R17 91V RSC	255/40 R17 94V RSC	255/35R18 90W RSC
Front wheels	-	8J x 17 LM	8J x 17 LM	8J x 17 LM	8J x 18 LM
Rear wheels	-	8J x 17 LM	8J x 17 LM	8.5J x 17 LM	8.5 x 18 LM
Track front	mm / inch	1511 / 59.5	1511 / 59.5	1511 / 59.5	1511 / 59.5
Track rear	mm / inch	1562 / 61.5	1562 / 61.5	1540 / 60.6	1540 / 60.6