E21 Alpina tech specs

A1 320

inline

watercooled 4

M10 B20

A2 320

inline

7/75-8/77

M10 B20

watercooled 4

inline

watercooled 4

M10 B20

Early models

Produced:

Engine code

Type:

	WITO BZO	WITO BZO	WITU BZU	
Displacement cc	1990	1990	1990	
Valve Operation	SOHC	SOHC	SOHC	
Camshaft (degrees)	264	300	300	
Compression Ratio	8.1 : 1	9.5 : 1	9.5 : 1	
Max Torque	170Nm @ 4000	173Nm @ 5500	180Nm @ 5500	
BHP (DIN)	125 @ 5800	155 @ 6900	160 @ 6700	
Injection / Carburetor:	Solex 40 ADDHE		Kugelfischer	
Weight (kgs)	1076	1060	1060	
Maximum Speed (kph)	191	208	213	
Acceleration 0-100 kph		7.8	7.5	
Total cars built*	unknown	113	120	
Engine	323i (works)	C1 2.3	B6 2.8 (200HP)	B6 2.8 (218HP)
Produced:	0201 (WOTKS)	4/80-7/83	11/78-8/81	9/81-1/83
Type:	inline	inline	inline	inline
rype.	watercooled 6	watercooled 6	watercooled 6	watercooled 6
Engine code	M20 B23	M20 B23	M30 B28	M30 B28
Bore x Stroke mm	80 x 76.8	80 x 76.8	86 x 80	86 x 80
Displacement cc	2315	2315	2788	2788
Valve Operation	SOHC	SOHC	SOHC	SOHC
Camshaft (degrees)	260	268	264	280
Valves / cyl	2	2	2	2
Compression Ratio	9.5 : 1	10.0 : 1	9.5 : 1	9.6:1
Injection / Carburetor:	Bosch K-Jetronic	Bosch K-Jetronic	Solex Pierburg	Bosch L-Jetronic
		11	Zenith DL	
Max Torque	190Nm @ 4500	210Nm @ 4500	248Nm @ 4500	265Nm @ 4500
BHP (DIN)	143 @ 5800	170 @ 6000	200 @ 6200	218 @ 6000
	III = III	40		
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Chassis and	323i (works)	C1 2.3	B6 2.8 (200HP)	B6 2.8 (218HP)
Drivetrain				
100	4/5 speed	C1 2.3 5 speed manual	B6 2.8 (200HP) 5 speed manual	B6 2.8 (218HP) 5 speed manual
Drivetrain Transmission	4/5 speed manual	5 speed manual	5 speed manual	5 speed manual
Drivetrain	4/5 speed			
Drivetrain Transmission	4/5 speed manual MacPherson	5 speed manual MacPherson struts, coil springs, anti-roll	5 speed manual MacPherson	5 speed manual MacPherson struts, coil springs, anti-roll
Drivetrain Transmission	4/5 speed manual MacPherson struts, coil	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein
Drivetrain Transmission	4/5 speed manual MacPherson struts, coil springs, anti-roll	5 speed manual MacPherson struts, coil springs, anti-roll	5 speed manual MacPherson struts, coil springs, anti-roll	5 speed manual MacPherson struts, coil springs, anti-roll
Drivetrain Transmission	4/5 speed manual MacPherson struts, coil springs, anti-roll bar Semitrailing	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing
Drivetrain Transmission Front suspension	4/5 speed manual MacPherson struts, coil springs, anti-roll bar Semitrailing arms, coil	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil
Drivetrain Transmission Front suspension	4/5 speed manual MacPherson struts, coil springs, anti-roll bar Semitrailing arms, coil springs, anti-roll	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll
Drivetrain Transmission Front suspension	4/5 speed manual MacPherson struts, coil springs, anti-roll bar Semitrailing arms, coil	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein
Drivetrain Transmission Front suspension Rear suspension	4/5 speed manual MacPherson struts, coil springs, anti-roll bar Semitrailing arms, coil springs, anti-roll bar	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks
Drivetrain Transmission Front suspension	4/5 speed manual MacPherson struts, coil springs, anti-roll bar Semitrailing arms, coil springs, anti-roll	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein
Drivetrain Transmission Front suspension Rear suspension Axle Ratio	4/5 speed manual MacPherson struts, coil springs, anti-roll bar Semitrailing arms, coil springs, anti-roll bar 3.45	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.45	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.91	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.91
Drivetrain Transmission Front suspension Rear suspension Axle Ratio General	4/5 speed manual MacPherson struts, coil springs, anti-roll bar Semitrailing arms, coil springs, anti-roll bar 3.45 323i (works)	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.45 C1 2.3	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.91 B6 2.8 (200HP)	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.91 B6 2.8 (218HP)
Drivetrain Transmission Front suspension Rear suspension Axle Ratio General Wheelbase (mm)	4/5 speed manual MacPherson struts, coil springs, anti-roll bar Semitrailing arms, coil springs, anti-roll bar 3.45 323i (works)	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.45 C1 2.3 2563	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.91 B6 2.8 (200HP)	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.91 B6 2.8 (218HP) 2563
Drivetrain Transmission Front suspension Rear suspension Axle Ratio General	4/5 speed manual MacPherson struts, coil springs, anti-roll bar Semitrailing arms, coil springs, anti-roll bar 3.45 323i (works)	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.45 C1 2.3	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.91 B6 2.8 (200HP) 2563 1366/1376	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.91 B6 2.8 (218HP)
Drivetrain Transmission Front suspension Rear suspension Axle Ratio General Wheelbase (mm) Track front/rear (mm)	4/5 speed manual MacPherson struts, coil springs, anti-roll bar Semitrailing arms, coil springs, anti-roll bar 3.45 323i (works) 2563 1388/1401	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.45 C1 2.3 2563 1387/1396	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.91 B6 2.8 (200HP)	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.91 B6 2.8 (218HP) 2563 1366/1376
Drivetrain Transmission Front suspension Rear suspension Axle Ratio General Wheelbase (mm) Track front/rear (mm)	4/5 speed manual MacPherson struts, coil springs, anti-roll bar Semitrailing arms, coil springs, anti-roll bar 3.45 323i (works) 2563 1388/1401 Ventilated disc /	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.45 C1 2.3 2563 1387/1396 Dual ventilated	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.91 B6 2.8 (200HP) 2563 1366/1376 Dual ventilated	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.91 B6 2.8 (218HP) 2563 1366/1376 Dual ventilated
Drivetrain Transmission Front suspension Rear suspension Axle Ratio General Wheelbase (mm) Track front/rear (mm)	4/5 speed manual MacPherson struts, coil springs, anti-roll bar Semitrailing arms, coil springs, anti-roll bar 3.45 323i (works) 2563 1388/1401 Ventilated disc /	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.45 C1 2.3 2563 1387/1396 Dual ventilated disc / massive disc F alloy 6x15 with	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.91 B6 2.8 (200HP) 2563 1366/1376 Dual ventilated disc / massive disc F alloy 6x15 with	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.91 B6 2.8 (218HP) 2563 1366/1376 Dual ventilated disc / massive disc F alloy 6x15 with
Drivetrain Transmission Front suspension Rear suspension Axle Ratio General Wheelbase (mm) Track front/rear (mm) Brakes front/rear	4/5 speed manual MacPherson struts, coil springs, anti-roll bar Semitrailing arms, coil springs, anti-roll bar 3.45 323i (works) 2563 1388/1401 Ventilated disc / massive disc	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.45 C1 2.3 2563 1387/1396 Dual ventilated disc / massive disc	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.91 B6 2.8 (200HP) 2563 1366/1376 Dual ventilated disc / massive disc	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.91 B6 2.8 (218HP) 2563 1366/1376 Dual ventilated disc / massive disc
Drivetrain Transmission Front suspension Rear suspension Axle Ratio General Wheelbase (mm) Track front/rear (mm) Brakes front/rear	4/5 speed manual MacPherson struts, coil springs, anti-roll bar Semitrailing arms, coil springs, anti-roll bar 3.45 323i (works) 2563 1388/1401 Ventilated disc / massive disc steel 13"x5.5J /	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.45 C1 2.3 2563 1387/1396 Dual ventilated disc / massive disc F alloy 6x15 with 195/50	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.91 B6 2.8 (200HP) 2563 1366/1376 Dual ventilated disc / massive disc F alloy 6x15 with 195/50	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.91 B6 2.8 (218HP) 2563 1366/1376 Dual ventilated disc / massive disc F alloy 6x15 with 195/50
Drivetrain Transmission Front suspension Rear suspension Axle Ratio General Wheelbase (mm) Track front/rear (mm) Brakes front/rear	4/5 speed manual MacPherson struts, coil springs, anti-roll bar Semitrailing arms, coil springs, anti-roll bar 3.45 323i (works) 2563 1388/1401 Ventilated disc / massive disc	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.45 C1 2.3 2563 1387/1396 Dual ventilated disc / massive disc F alloy 6x15 with 195/50 R alloy 7x15 with	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.91 B6 2.8 (200HP) 2563 1366/1376 Dual ventilated disc / massive disc F alloy 6x15 with 195/50 R alloy 7x15 with	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.91 B6 2.8 (218HP) 2563 1366/1376 Dual ventilated disc / massive disc F alloy 6x15 with 195/50 R alloy 7x15 with
Drivetrain Transmission Front suspension Rear suspension Axle Ratio General Wheelbase (mm) Track front/rear (mm) Brakes front/rear Wheels/Tires	4/5 speed manual MacPherson struts, coil springs, anti-roll bar Semitrailing arms, coil springs, anti-roll bar 3.45 323i (works) 2563 1388/1401 Ventilated disc / massive disc steel 13"x5.5J /	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.45 C1 2.3 2563 1387/1396 Dual ventilated disc / massive disc F alloy 6x15 with 195/50 R alloy 7x15 with 205/50	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.91 B6 2.8 (200HP) 2563 1366/1376 Dual ventilated disc / massive disc F alloy 6x15 with 195/50 R alloy 7x15 with 205/50	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.91 B6 2.8 (218HP) 2563 1366/1376 Dual ventilated disc / massive disc F alloy 6x15 with 195/50 R alloy 7x15 with 205/50
Drivetrain Transmission Front suspension Rear suspension Axle Ratio General Wheelbase (mm) Track front/rear (mm) Brakes front/rear Wheels/Tires Maximum Speed (kph)	4/5 speed manual MacPherson struts, coil springs, anti-roll bar Semitrailing arms, coil springs, anti-roll bar 3.45 323i (works) 2563 1388/1401 Ventilated disc / massive disc steel 13"x5.5J /	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.45 C1 2.3 2563 1387/1396 Dual ventilated disc / massive disc F alloy 6x15 with 195/50 R alloy 7x15 with 205/50 209	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.91 B6 2.8 (200HP) 2563 1366/1376 Dual ventilated disc / massive disc F alloy 6x15 with 195/50 R alloy 7x15 with 205/50 231	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.91 B6 2.8 (218HP) 2563 1366/1376 Dual ventilated disc / massive disc F alloy 6x15 with 195/50 R alloy 7x15 with 205/50 235
Drivetrain Transmission Front suspension Rear suspension Axle Ratio General Wheelbase (mm) Track front/rear (mm) Brakes front/rear Wheels/Tires	4/5 speed manual MacPherson struts, coil springs, anti-roll bar Semitrailing arms, coil springs, anti-roll bar 3.45 323i (works) 2563 1388/1401 Ventilated disc / massive disc steel 13"x5.5J /	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.45 C1 2.3 2563 1387/1396 Dual ventilated disc / massive disc F alloy 6x15 with 195/50 R alloy 7x15 with 205/50	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.91 B6 2.8 (200HP) 2563 1366/1376 Dual ventilated disc / massive disc F alloy 6x15 with 195/50 R alloy 7x15 with 205/50	5 speed manual MacPherson struts, coil springs, anti-roll bar, Bilstein shocks Semitrailing arms, coil springs, anti-roll bar, Bilstein shocks 3.91 B6 2.8 (218HP) 2563 1366/1376 Dual ventilated disc / massive disc F alloy 6x15 with 195/50 R alloy 7x15 with 205/50

Interior adjustments

Total cars built*

Recaro seats with Alpina style cloth (optional for C1 2.3)

Alpina leather steering wheel

Alpina wood gear knob

Alpina speedometer

Alpina identification plate

Adjustments on gearbox, fuel tank, diff and suspension

5-speed Getrag gearbox

100 litres fuel tank (optional for C1 2.3)

Limited slip diff with cooling ribs and stiffer lid (optional for C1 2.3)

Bilstein gas-pressured shocks with Ahle lowering springs

Uprated front brakes with dual ventilated discs

Exterior adjustments

Deep front spoiler

Rear spoiler

Alpina wheels

Alpina stripes on both sides (optional)

28 ?

324

209

In these numbers are not included the licensed and (mostly partial) conversions done by local Alpina dealerships like Sytner (UK), Garage du Bac (France), Heidegger (Switzerland) and P.J. Oldenhof (The Netherlands).

^{*}These production numbers are supplied by the Alpina Gemeinschaft (Alpina Club) in Germany. Please keep in mind that there weren't that many cars produced, like only 28 for the C1. But if we have to believe all the adverts nowadays there were thousands produced!