

BMW Camshaft Data :- E36 2002/316/318 4 Cyl

NEWMAN CAMS 9

Rocker Ratio 1 : 1.3

Part No	Application	Power Band	Duration		Valve Lift		Cam Lift		Timing		Full Lift		Valve Clear		Price Ex VAT	Material Type
			In	Ex	In	Ex	In	Ex	In Open	Ex Close	IN. ATDC	EX BTDC	In	Ex		
BMW4/280/399 PH1	Road Cam	2000	280	280	0.399	0.397	0.307	0.305	30-70	70-30	110		0.008	0.010	£180.00	Blank
		6500			10.13	10.06	7.79	7.74					0.203	0.254		
Notes. Good Increase of Low Mid Range Power Smooth Idle																
BMW4/290/399 PH4	Fast Road/Tarmac Rally	3000	290	290	0.399	0.397	0.307	0.305	35-75	75-35	110		0.008	0.010	£180.00	Blank
		7000			10.13	10.06	7.79	7.74								
Notes. Rally Cam Plenty of Mid Range Top End Power use 45 DCOE Carbs																
BMW PH5	Race	4500														Blank
		9000														
Notes. Please Phone for Details as this Cam Requires O/S Bearings and Steel Rocker Arms																

BMW Camshaft Data :- E30 320/323/325 " Small 6 Cam"

Rocker Ratio 1 : 1.55

Part No	Application	Power Band	Duration		Valve Lift		Cam Lift		Timing		Full Lift		Valve Clear		Price Ex VAT	Material Type
			In	Ex	In	Ex	In	Ex	In Open	Ex Close	IN. ATDC	EX BTDC	In	Ex		
BMWS/270/406 PH1	Road Cam	1500	270	270	0.406	0.403	0.262	0.260	25-65	65-25	110		0.008	0.010	£248.00	Blank
		5500			10.31	10.23	6.65	6.60					0.203	0.254		
Notes. Good Increase of Low Mid Range Power Smooth Idle																
BMWS/290/422 PH4	Fast Road/Tarmac Rally	3000	290	290	0.422	0.419	0.272	0.270	35-75	75-35	110		0.008	0.010	£248.00	Blank
		7000			10.70	10.62	6.90	6.85					0.203	0.254		
Notes. Rally Cam Giving Plenty of Mid Range Power																
BMWS/300/434 PH5	Full Race Cam	4000	300	300	0.434	0.434	0.280	0.280	40-80	80-40	110		0.008	0.010	£248.00	Blank
		7500			11.02	11.02	7.11	7.11					0.203	0.254		
Notes. Full Race Use Steel Rocker Arms as the Ally units break over 7000 RPM																

BMW Additional Components :- E30320/323/325 "Small6 Cam"

Part No	Description	Price
TBA	12 x E30 Steel Rocker Arms with Carbide Insert Pad	£148.00
TD1	Timing Disc Dual Purpose Full Lift and Engine Degrees	£5.00

BMW Camshaft Data :- 528/530/535 " Large 6 Cam"

Rocker Ratio 1 : 1.3

Part No	Application	Power Band	Duration		Valve Lift		Cam Lift		Timing		Full Lift		Valve Clear		Price Ex VAT	Material Type
			In	Ex	In	Ex	In	Ex	In Open	Ex Close	IN. ATDC	EX BTDC	In	Ex		
BMW/280/399 PH1	Road Cam	2000 6000	280	280	0.399 10.13	0.397 10.06	0.307 7.79	0.305 7.74	30-70	70-30	110		0.008 0.203	0.010 0.254	£240.00	Blank
Notes. Good Increase of Low Mid Range Power Smooth Idle																
BMW/290/399 PH3	Fast Road/Tarmac Rally	3000 6500	290	290	0.399 10.13	0.397 10.06	0.307 7.79	0.305 7.74	35-75	75-35	110		0.008 0.203	0.010 0.254	£240.00	Blank
Notes. Rally Cam Plenty of Mid Range Top End Power use 45 DCOE Carbs																
BMW/300/419 PH4	Race	4500 7000	300	300	0.419 10.62	0.416 10.56	0.322 8.17	0.320 8.12	40-80	80-40	110		0.008 0.203	0.010 0.254	£240.00	Blank
Notes. Full Race Use Steel Rocker Arms as the Ally units break over 7000 RPM																

Notes : - Specify Front Sprocket Drive End Type Single Lug / Twin Lug / Pin Drive

BMW Additional Components :- 528/530/535 " Large 6 Cam"

Part No	Description	Price
DNCF1204	12 x Ally Rocker Arms Rocker Arms with Chilled Iron Insert Pad	£180.00
TD1	Timing Disc Dual Purpose Full Lift and Engine Degrees	£5.00

BMW Camshaft Data :- Mini,Cooper, and Cooper S

Rocker Ratio 1 : 1.64 Inlet 1.44 Inlet

Part No	Application	Power Band	Duration		Valve Lift		Cam Lift		Timing		Full Lift		Valve Clear		Price Ex VAT	Material Type
			In	Ex	In	Ex	In	Ex	In Open	Ex Close	IN. ATDC	EX BTDC	In	Ex		
BMINI/260/396 PH1	Road Cam	2000 6500	264	262	0.353 8.95	0.423 10.74	0.245 6.23	0.258 6.55	18-68	68-18		114	HYD	HYD	£165.00	Blank
Notes. Good Increase of Low Mid Range Power Smooth Idle For Non Supercharged Engines																
BMINI/288/410 PH3	Fast Road/Tarmac Rally	3500 7500	288	288	0.410 10.42	0.410 10.41	0.285 7.23	0.250 6.35	34-74	74-34		110	HYD	HYD	£165.00	Blank
Notes. Fast Road/Tarmac Rally Race Cam For Non Supercharged Engines																
BMW/300/396 PH4	Race Cam	2000 6500	300	300	0.415 10.53	0.426 10.82	0.288 7.33	0.260 6.60	35-75	75-35		110	HYD	HYD	£165.00	Blank
Notes. A Cam developed for the Track																
BMW/246/396 PH4	Road Supercharged	2000 6500	246	264	0.372 9.43	0.397 10.07	0.258 6.56	0.242 6.15	14-52	70-22		114	HYD	HYD	£165.00	Blank
Notes. A Cam developed for the Supercharged Cooper S Engine Giving good increased mid range torque																