

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

Rocker Ratio 1 : 1.3

Part No	Application	Power Band	Duration		Valve Lift		Cam Lift		Timing		Full Lift		Lift @ TDC with clearance		Valve Clear		Price Ex VAT	Material Type
			In	Ex	In	Ex	In	Ex	In	Ex	In	Ex	In	Ex	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	£250.00	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 Cam	3000	290	290	0.399	0.397	0.307	0.305	35-75	75-35	110				0.008	0.010	£250.00	Blank
		7000			10.13	10.06	7.79	7.74							0.020	0.254		
Notes		Rally Cam. Plenty of Mid Range Top End Power Use 45 DCOE Carbs																
BMW4/320/450 PH5	Race Cam	4500	330	330	0.465	0.465	0.368	0.368	57-93	93-57	108				0.008	0.010	£350.00	Blank
		9000			11.83	11.83	9.35	9.35							0.203	0.254		
Notes		Please Phone for Details as This Cam Requires O/S Bearings																

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		Lift @ TDC with clearance		Valve Clear		Price Ex VAT	Material Type
			In	Ex	In	Ex	In	Ex	In	Ex	In	Ex	In	Ex	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	£285.00	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 Cam	3000	290	290	0.422	0.419	0.272	0.270	35-75	75-35	110				0.008	0.010	£285.00	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	£285.00	Blank
		7500			11.02	11.02	7.11	7.11							0.203	0.254		
Notes		Full Race																

BMW E30320/323/325 "Small 6 Cam" Additional Components

Part No	Description	Price
TD1	Timing Disc Dual Purpose Full Lift and Engine Degrees	£5.00

BMW Camshaft Data :- Mini One, Cooper, and Cooper S 2001-2006

Rocker Ratio 1 : 1.64 Inlet 1.44 Inlet

Part No	Application	Power Band	Duration		Valve Lift		Cam Lift		Timing		Full Lift		Lift @ TDC with clearance		Valve Clear		Price Ex VAT	Material Type
			In	Ex	In	Ex	In	Ex	In Open	Ex Close	IN. ATDC	EX BTDC	In	Ex	In	Ex		
BMW/264/396 PH1	Road Cam	2000 6500	264	262	0.402 10.20	0.423 10.74	0.245 6.23	0.258 6.55	18-68	68-18		114			Hyd	Hyd	£195.00	Blank
Notes Good Increase of Low Mid Range Power. Smooth Idle. For Non Supercharged Engines																		
BMW/288/410 PH3	Fast Road/Tarmac Rally Cam	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	£195.00	Blank
Notes Fast Road/Tarmac Rally Race Cam for Non Supercharged Engines																		
BMW/300/426 PH4	Race Cam	4500 8250	300	300	0.472 11.99	0.426 10.82	0.288 7.33	0.260 6.60	35-75	75-35		110			Hyd	Hyd	£195.00	Blank
Notes A Cam Developed for the Track																		
BMW/246/396 PH1/2	Road Supercharged Cam	1500 6000	246	264	0.396 10.05	0.396 10.05	0.258 6.56	0.242 6.23	14-52	70-22		114			Hyd	Hyd	£195.00	Blank
Notes A Cam Developed for the Supercharged Cooper S Engine, Giving Good Increased Mid Range Torque, without Affecting the Tickover																		
BMW/250/400 PH2	Fast Road Supercharged Cam	2000 6500	250	268	0.400 10.15	0.396 10.05	0.258 6.56	0.242 6.23	16-54	72-24		114			Hyd	Hyd	£195.00	Blank
Notes A Cam Developed for the Supercharged Cooper S Engine. Giving Good Increased Mid Range Torque without Affecting the Tickover																		
BMW/272/400 PH3/4	Race Supercharged Cam	3000 7000	264	272	0.400 10.16	0.402 10.20	0.244 6.23	0.245 6.35	18-68	73-25		114			Hyd	Hyd	£195.00	Blank
Notes A Cam Developed for the Supercharged Cooper S Engine for Fast Road Competition Use																		

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		Lift @ TDC		Valve Clear		Price Ex VAT	Material Type
			In	Ex	In	Ex	In Open	Ex Close	IN. ATDC	EX BTDC	In	Ex	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	£295.00	Blank
Notes Good Increase of Low Mid Range Power. Smooth Idle																		
BMW/290/399 PH3	Fast Road/Tarmac Rally Cam	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	£295.00	Blank
Notes Rally Cam. Plenty of Mid Range Top End Power Use 45 DCOE Carbs																		
BMW/300/419 PH4	Race Cam	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	£295.00	Blank
Notes Full Race																		

Notes :- Specify Front Sprocket Drive End Type Single Lug/Twin Lug/Pin Drive On Large 6 Engines.

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

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