

# MEGACYCLE CAMS

www.megacyclecams.com

90 MITCHELL BOULEVARD ■ SAN RAFAEL, CALIFORNIA 94903 ■ 415 472-3195 ■ FAX 415 472-1497

## BSA B-50, 250, 441, 500 singles, TRIUMPH TR-5 MX



Hardfaced cam, on new billet core.  
 Grind tappet, on customer core, cost each.  
 #505-T R/D Spring kit with **titanium tops**  
 for B-50 MX and TR-5 MX.  
 #504-T R/D Spring kit with **titanium tops**  
 for BSA 441.  
 #512-T R/D Spring kit with **titanium tops**  
 for BSA 250 B25.  
 Note: Must specify  
 keyway width narrow = .125" (1/8")  
                   wide = .156" (5/32")  
 journal diameter  
 both ends same diam. .747"± / .747"±  
 or 1 small / 1 large .558"± / .747"±

CAM NUMBER	CAM LIFT	DURATION AT .040"	LOBE CENTERS	TAPPET STYLE	DESCRIPTION AND APPLICATION	INTAKE OPEN/CLOSE EXHAUST OPEN/CLOSE	RUNNING CLEARANCE
541-x8	.358"	270°	104°	radiused	TT style power. Good mid-range and some added top-end. Best off-road cam.	31 btc/59 abc	.008"
	.358"	270°	104°	3/4"		59 bbc/31 atc	.008"
541-x1	.400"	268°	103°	radiused	Must use modified piston and springs. Good for 1/2 mile and off-road riding.	31 btc/57 abc	.008"
	.400"	268°	103°	3/4"		57 bbc/31 atc	.008"
541-x2	.400"	282°	105°	radiused	Must use racing piston and springs. Short course road-race with tight infield corners.	36 btc/66 abc	.010"
	.400"	282°	105°	3/4"		66 bbc/36 atc	.010"
541-x4	.400"	282°	108°	radiused	BEST road-race profile. Mid-range, maximum top-end power. Race only.	33 btc/69 abc	.010"
	.400"	282°	108°	3/4"		69 bbc/33 atc	.010"
541-20	.397"	284°	105°	flat	Good mid-range and top end power. Use racing springs and piston.	37 bbc/67 abc	.008"
	.397"	284°	105°			67 bbc/37 atc	.008"

Send cam with gear on, we will remove and replace the gear with the proper tools taking special care not to damage the keyway. If radiused tappets are required, use BSA B-40 SS tappets or send tappets to be re-radiused. Allow 6 days.

## BSA GOLDSTAR 500

Hardfaced cams per pair, on customer cores.  
 Contact R/D directly for springs #511-T R/D valve spring kit with **titanium tops** up to 1963.

CAM NUMBER	CAM LIFT	DURATION AT .040"	LOBE CENTERS	DESCRIPTION AND APPLICATION	INTAKE OPEN/CLOSE EXHAUST OPEN/CLOSE	RUNNING CLEARANCE
543-x2	.428"	264°	100°	Road race profile. Use modified piston and springs. Mid-range and top-end.	32 btc/52 abc	.006"
	.428"	264°	104°		56 bbc/28 abc	.008"
543-x1	.444"	304°		Stock intake #65-2442		.006"
	.403"	284°		Stock exhaust #65-2446		.006"
543-x6	.397"	270°		Roller profile.		
	.433"	272°				
543-x7	.433"	272°		Roller profile. H & C 1412		
	.433"	272°				

## BSA twin A-50, A-65, A-70

Hardfaced cam, on new billet core core.  
 Re-radius tappets on customer core, each.  
 #509-T R/D valve spring kit with **titanium tops** for A-65.

CAM NUMBER	CAM LIFT	DURATION AT .040"	LOBE CENTERS	DESCRIPTION AND APPLICATION	INTAKE OPEN/CLOSE EXHAUST OPEN/CLOSE	RUNNING CLEARANCE
542-00	.347"	262°	107°	Reproduction of stock A-65 cam with timing retarded 3° for more top-end.	24 btc/58 abc	.006"
	.341"	262°	100°		51 bbc/31 atc	.007"
542-x2	.356"	276°	106°	Improved mid-range. OK with stock pistons, springs and tappets.	32 btc/64 abc	.005"
	.356"	276°	106°		64 bbc/32 atc	.007"
542-x12	.375"	274°	102°	Best all-around road race cam. Use high perf. pistons and R/D valve springs. New design strong mid-range and top-end power.	35 btc/59 abc	.010"
	.375"	274°	103°		60 bbc/34 atc	.012"
542-x3	.380"	244°	106°	Mid-range throttle response, torque Use modified pistons and springs.	16 btc/48 abc	.006"
	.380"	244°	106°		48 bbc/16 atc	.008"
542-x1	.400"	280°	103°	Road race profile. Mid-range and top-end power. Use racing springs and pistons.	37 btc/63 abc	.008"
	.400"	280°	103°		63 bbc/37 atc	.008"
542-x8	.400"	290°	103°	Full race profile. High R.P.M. power. Sifton 460 reproduction.	42 btc/68 abc	.008"
	.400"	290°	103°		68 bbc/42 atc	.010"

Hardfaced lobes solve the lobe wear problems and provide extra long-wearing surface.