

Valve Timing

4-Valve roof shape combustion chamber with central spark plug. Roller valve rockers.
The combustion chamber is collision free so that the engine is safe against overrevolutions and belt breaking.

Except with 'higher-lift' Camshafts 237 675, 237 860 & 237 865. ***

Inlet valve: 2 x 34mm diameter (2 x 36mm for models 560 & 604)

Exhaust valve: 2 x 30mm diameter

Valve gap with cold engine: Inlet & Exhaust = 0.05mm

Cam number	Exhaust		Inlet	
348 GS 237 660 225°	opens closes stroke	42.5 BTDC 2.5 ATDC 5.82 (7.9 valve)	opens closes stroke	2.5 BTDC 42.5 ABDC 5.82 (7.9 valve)
348 Enduro 237 667 229°	opens closes stroke	46 BBDC 3 ATDC 5.85 (7.9 valve)	opens closes stroke	3 BTDC 46 ABDC 5.85 (7.9 valve)
506 Regolorita 237 660 225°	opens closes stroke	36.5 BBDC 8.5 ATDC 5.82 (7.9 valve)	opens closes stroke	3.5 BTDC 48.5 ABDC 5.82 (7.9 valve)
506 237 665 AV225°/EV 240°	opens closes stroke	36.5 BBDC 8.5 ATDC 5.82 (7.87 valve)	opens closes stroke	4 BTDC 56 ABDC 5.77 (7.8 valve)
5.6 Enduro 237 700 AV 220°/EV240°	opens closes stroke	36 BBDC 4 ATDC 4.82 (6.51 valve)	opens closes stroke	5 BTDC 55 ABDC 4.08 (5.5 valve)
*** 506 GS/504 MX560 237 670 261°	opens closes stroke	60.5 BBDC 20.5 ATDC 6.57 (8.9 valve)	opens closes stroke	13.5 BTDC 67.5 ABDC 6.57 (8.9 valve)
504 Flat Track 237 675 AV 285°/EV 297°	opens closes stroke	74.5 BBDC 30.5 ATDC 7.06 (9.56 valve)	opens closes stroke	45.5 BTDC 71.5 ABDC 7.12 (9.65 valve)
506 -560 237 800 249°	opens closes stroke	55 BBDC 14 ATDC 6.87 (9.3 valve)	opens closes stroke	12 BTDC 57 ABDC 6.87 (9.3 valve)
560 237 805 248°	opens closes stroke	54 BBDC 56 ABDC 7.12 (9.64 valve)	opens closes stroke	12 BTDC 56 ABDC 7.12 (9.64 valve)
504 – 560-604 FT 237 860 Full race cam 292°	opens closes stroke	72 BBDC 40 ATDC 7.79 (10.55 valve)	opens closes stroke	44 BTDC 68 ABDC 7.79 (10.55 valve)
*** 560 -604 GS / MC 'NLA' 237 865 (Use 237 670) 269°	opens closes stroke	65 BBDC 24 ATDC 7.14 (9.67 valve)	opens closes stroke	20 BTDC 69 ABDC 7.14 (9.67 valve)

Camlist 4T



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