

**NOTE: June 7, 2002: The specifications listed below are shown for reference only. Kawasaki camshafts are no longer manufactured by Andrews Products and we have no existing inventory.**

**ANDREWS PRODUCTS, INC. (Dec. 1982)**

**900,1000,GPZ KAWASAKI CAM INSTALLATION INSTRUCTIONS**

AT TDC (overlap) IX AND 2X cams should have adequate piston-valve clearance with STOCK pistons. Valve clearance should always be checked when using high compression pistons. Piston/valve clearance (at TDC) should be .030 (.75mm) as MINIMUM settings. Stock valve springs are recommended for IX or 2X cams. Andrews Products springs should be run with all other cams.

GRIND	LIFT	DURATION	TIMING	TDC	CL ANGLE	LASH
IX	in .344	260 deg	24/56	.104	106	.004
	ex .344	260 deg.	56/24	.104	106	.004
2X	in .360	258 deg.	23/55	.109	106	.004
	ex .360	258 deg.	55/23	.109	106	.004
8X	in .410	266 deg.	27/59	.132	106	.004
	ex .410	266 deg.	59/27	.132	106	.004
3X	in .418	282 deg.	37/65	.173	106	.004
	ex .418	282 deg.	65/37	.173	106	.004
4X	in .430	286 deg.	32/74	.160	111	.004
	ex .430	286 deg.	74/32	.160	111	.004
5X	in .435	266 deg.	23/63	.128	110	.004
	ex .435	266 deg.	63/23	.128	110	.004
6X	in .458	274 deg.	26/68	.146	111	.004
	ex .458	274 deg.	68/26	.146	111	.004
7X	in .485	266 deg.	23/63	.134	130	.004
	ex .485	266 deg.	63/23	.134	110	.004
11X	in .452	292 deg.	34/78	.142	112	.004
	ex .452	292 deg.	78/34	.142	112	.004
12X	in .450	278 deg.	29/69	.148	110	.004
	ex .450	278 deg.	69/29	.148	110	.004
13X	in .530	284 deg.	30/74	.169	112	.004
9X	in .500	280 deg.	28/72	.157	112	.004
9Z	in .500	270 deg.	27/63	.160	108	.004
14X	in .500	286 deg.	32/74	.180	111	.004
15X	ex .415	284 deg.	72/32	.153	110	.004

Timing and duration both measured between points .030 off base circle.

TDC is cam lift at TOP DEAD CENTER for LISTED timing.

For intake cams: Centerline angle is # of crank degrees from TDC to max open point of int. valve. Example: 4X int:  $(74-32)/2+90 = 111$