

# APT A-Series Cam Spec. Sheet

## TECHNICAL SPECIFICATIONS FOR THE APT "VP" AND "SCATTER PATTERN™" CAMS

Mild - Road & Street ← Performance → Vintage & Full Race					
PART NUMBER →	VP7	VP6	SPVP3	SPVP4	SPVP5
Nominal Duration ①	270/276°	275/275°	286°	296°	306°
Timing @ 0.020" lift	262/270°	268/268°	See figs. @ 0.050"	See figs. @ 0.050"	See figs. @ 0.050"
Timing @ 0.050" lift	222/232°	234/234°	234/242°	254/244°	264/264°
Cam LOBE lift ②	0.289 - 0.292"	0.312 - 0.312"	0.312 - 0.319"	0.324 - 0.321"	0.339 - 0.339"
Best Rocker Ratio	Standard or 1.3 ③	Standard or 1.3 ③	1.5 are best	1.5 or 1.6	1.5, 1.6 or 1.7 ④
Lobe Center Angle	106°	102°	102.5/105.5°	102.5/105.5°	102.5/105.5°
RPM Range (Guide)	1600 - 6500	2400 - 7200	2500 - 7400	3500 - 7800	4200 - 9000
Absolute Max. RPM	7000	7600	7800	8500	9500
Idle Characteristics	Fairly Smooth	Slightly Lumpy	Lumpy	Vintage Race	Ultimate Race
Suggested Comp Ratio	8.5 - 9.5	9.0 - 10.1	9.0 - 10.1	11.9 - 13.5	13.0 - 14.2
<b>Critical Parts Required Consider also: camshaft thrust plate, adjustable chain set, or offset keys 2,4,6 or 8 deg.</b>					
Spring Part Number ⑤	VPS-02 ⑤	VPS-02 ⑤	VPS-02 ⑤	VPS-01 ⑤	VPS-01 ⑤
Retainer Part Number	903-0000	903-0000	903-0000	903-0000 ⑥	903-0000 ⑥
Cam Followers/Lifters	CF01	CF01	CF01	CF01	CF01
Cam Bearings	VPC956 or VPC989	VPC956 or VPC989	VPC956 or VPC989	VPC956 or VPC989	VPC956 or VPC989
<b>Important Setup Information If you have questions please contact us: 1-800-278-3278 or techinfo@aptfast.com</b>					
Spring Pressure closed " " open	60 lbs 155 lbs	67 lbs 170 lbs	67 lbs 189 lbs	72 lbs 220 lbs	72 lbs 230 lbs
Spring Installed Height (Range) ⑦	1.365" min. 1.380" max.	1.360" min. 1.375" max.	1.340" min. 1.365" max.	1.340" min. 1.370" max.	1.340" min. 1.365" max. ④
Use #1 inlet lobe to time eng. deg ATDC	<b>103 - 104°</b>	<b>100 - 101°</b>	<b>102 - 103°</b>	<b>101 - 102°</b>	<b>101 - 102°</b>
Valve Lash (hot - min,)	15/15 in/ex	15/15 in/ex	16/18 in/ex	16/18 in/ex	18/20 in/ex
<b>Notes:-</b> ① "Nominal" is given to help you make a timing comparison with other companies cams.					
② To estimate valve lift multiply this figure by your rocker ratio and subtract the valve lash.					
③ Stock rocker ratio is supposed to be 1.26 it usually is not. Going to 1.3 ratio roller rockers will help performance on any engine. Best if retaining the standard rockers is to fit offset bushes #OSRBA with heat treated rocker shaft #RST-A					
④ When using 1.7 ratio rockers, you must use VPS-03 valve springs use 903-0000 retainers or titanium equivalent.					
⑤					