

### Twin cam cylinder head valve position setup dimensions

	Std Big Valve			
	In mm	In inch	Ex mm	Ex inch
<b>Measured Values</b>				
Valve Overall Length	99.19	3.905	97.79	3.850
Valve Tip Length	2.41	0.095	2.29	0.090
Cam C/L to valve tip (A)	23.37	0.920	23.37	0.920
Valve tip to Spring Pocket base (B)	29.97	1.180	29.97	1.180
Cam C/L to Spring Pocket base (C)	53.34	2.100	53.34	2.100
Cam lift (actual lobe above base)	9.14	0.360	9.14	0.360
Cam base circle	29.46	1.160	29.46	1.160
Bucket Shim Pad Thickness	5.54	0.218	5.54	0.218
Bucket Length	22.35	0.880	22.35	0.880
Bucket Shim Pad Height	1.65	0.065	1.65	0.065
Valve Clearance ( nominal )	0.15	0.006	0.25	0.010
Spring seat platform thickness	0.76	0.030	0.76	0.030
Spring height at coil bind (ex seat)	17.78	0.700	17.78	0.700
Spring design fitted length (ex seat)	28.96	1.140	28.96	1.140
Retainer length	14.99	0.590	14.99	0.590
Retainer spring top above valve groove top	2.29	0.090	2.29	0.090
Retainer top above valve groove top	5.08	0.200	5.08	0.200
Guide above pocket base	8.13	0.320	8.13	0.320
Bucket bottoming ledge above pocket base ( this may be valve seat lip check !)	2.54	0.100	2.54	0.100
<b>Calculated Values</b>				
Measurement Accuracy Check A+B-C	0.00	0.000	0.00	0.000
Valve face to Cam C/L	122.56	4.825	121.16	4.770
Valve Shim Thickness	2.95	0.116	2.84	0.112
<i>If no valve spring shims fitted:</i>				
Fitted spring length (ex seat)	29.08	1.145	29.21	1.150
Spring length at full lift (ex seat)	20.09	0.791	20.32	0.800
<i>Clearance Checks</i>				
Clearance to coil binding ( no spring shims)	2.31	0.091	2.54	0.100
Bucket skirt base to head clearance	4.57	0.180	4.57	0.180
Valve retainer to Guide clearance	0.53	0.021	0.76	0.030
Bucket top to valve retainer top	1.93	0.076	1.70	0.067

