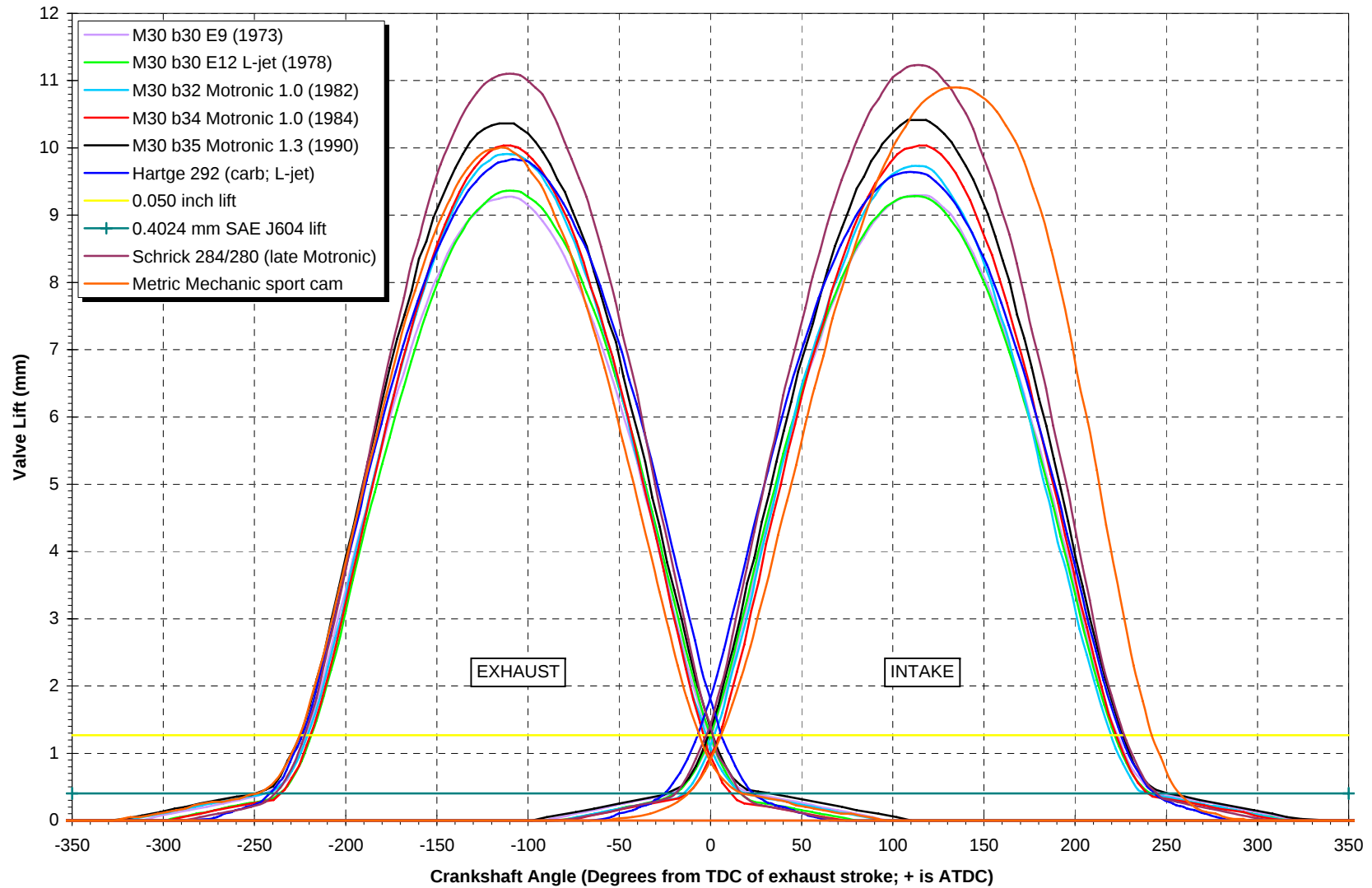


Valve Lift Profile



	Intake valve events		Exhaust valve events		Duration		Overlap	Installed cam centerline		Lobe separation	Valve lift at TDC	Peak valve lift	
	opens (BTDC)	closes (ABDC)	opens (BBDC)	closes (ATDC)	Intake (crank deg)	Exhaust (crank deg)	(crank deg)	Intake (BTDC)	Exhaust (ATDC)	(cam deg)	(mm)	Intake (mm)	Exhaust (mm)
M30 b30 E9											1.22	9.30	9.27
at 0.4024 mm valve lift	22.5	66.5	64.5	23.0	269.0	267.5	45.5	112.0	110.8	111.4			
at 0.050" (1.27 mm) valve lift	-0.6	43.2	42.0	-0.7	222.6	221.3	-1.2	111.9	111.3	111.6			
M30 b30 L-jet (530i with 3/78 build date; AMC head)											1.27	9.28	9.36
at 0.4024 mm valve lift	19.6	61.7	56.2	16.8	261.3	253.0	36.4	111.1	109.7	110.4			
at 0.050" (1.27 mm) valve lift	0.0	42.0	39.0	0.0	222.0	219.0	0.0	111.0	109.5	110.3			
M30 b32 Motronic 1.0 (1982 733i automatic; +7366921+ engine number)											1.11	9.73	9.91
at 0.4024 mm valve lift	14.9	60.2	64.2	19.0	255.1	263.2	33.9	112.7	112.6	112.6			
at 0.050" (1.27 mm) valve lift	-2.5	39.5	41.0	-2.5	217.0	218.5	-5.0	111.0	111.8	111.4			
M30 b34 Motronic 1.0 (1984 535i with 83 head casting date)											0.95	10.03	10.03
at 0.4024 mm valve lift	12.7	60.0	55.7	11.4	252.7	247.1	24.1	113.7	112.2	112.9			
at 0.050" (1.27 mm) valve lift	-5.0	42.5	40.5	-4.0	217.5	216.5	-9.0	113.8	112.3	113.0			
M30 b35 Motronic 1.3 (1990 535i automatic WBAGB4314LDB65986)											1.36	10.41	10.36
at 0.4024 mm valve lift	24.1	71.0	69.6	33.0	275.1	282.6	57.1	113.5	108.3	110.9			
at 0.050" (1.27 mm) valve lift	1.0	46.0	44.0	1.0	227.0	225.0	2.0	112.5	111.5	112.0			
Hartge 292 (carb; L-jet application)											1.82	9.64	9.83
at 0.23 mm valve lift (=0.009")	35.5	75.5	70.5	35.5	291.0	286.0	71.0	110.0	107.5	108.8			
at 0.4024 mm valve lift	25.2	63.7	61.7	23.7	268.9	265.4	48.9	109.3	109.0	109.1			
at 0.050" (1.27 mm) valve lift	7.0	45.0	44.0	6.0	232.0	230.0	13.0	109.0	109.0	109.0			
Schrick 284/280 (new cam - part number 022 01 840-04; late Motronic application)											1.41	11.23	11.10
at 0.29/0.22 mm (I/E) valve lift (=0.0114/0.0087")	28.8	74.4	70.0	30.0	283.2	280.0	58.8	112.8	110.0	111.4			
at 0.4024 mm valve lift	19.3	67.7	60.7	14.9	267.0	255.6	34.2	114.2	112.9	113.6			
at 0.050" (1.27 mm) valve lift	2.4	47.0	42.4	1.3	229.4	223.7	3.7	112.3	110.6	111.4			
Metric Mechanic Sport Cam (M30B35 application)											0.09	10.90	10.01
at 0.4024 mm valve lift	12.3	76.7	69.3	15.7	269.0	265.0	28.0						
at 0.050" (1.27 mm) valve lift	5.8	62.0	45.3	6.0	247.8	231.3	11.8						