

## Cylinder Head Thickness & Valve Protrusions

MODEL	THICKNESS		PROTRUSION	MODEL	THICKNESS		PROTRUSION	MODEL	THICKNESS		PROTRUSION
	METRIC	IMPERIAL			METRIC	IMPERIAL			METRIC	IMPERIAL	
<b>ALFA ROMEO</b>				<b>HONDA</b>				<b>PEUGEOT</b>			
1750	112.000mm	4.094"		B17A	142.060mm	5.593"	In 1.485" Ex 1.473"	505	92.500mm	3.641"	1.715"
<b>AUDI</b>				B18B	133.049mm	5.199"		<b>SAAB</b>			
1.7L	132.842mm	5.230"	1.485"	C25A	133.096mm	5.240"		900 (16 valve)	140.000mm	5.531"	1.645"
1.8L	132.994mm	5.236"	In 1.331" Ex 1.343"	EB1, EB2	85.000mm	3.346"		B201 A	92.786mm	3.653"	1.625"
AJ	140.004mm	5.512"		EH	79.000mm	3.110"		<b>SUBARU</b>			
JT, D, 7A, 3B	132.994mm	5.236"	In 1.354" Ex 1.356"	ER1	90.500mm	3.563"	1.840"	EA71	89.662mm	3.530"	
JN	118.364mm	4.660"	1.525"	ET, E2, 1.6, 1.8	90.000mm	3.433"	1.911"	EA81	90.600mm	3.567"	1.760"
HX, 5E	133.000mm	5.234"	In 1.331" Ex 1.343"	EW 1.2	90.678mm	3.570"		EA82	90.600mm	3.567"	1.840"
<b>BMW</b>				<b>HYUNDAI</b>				EJ22	98.300mm	3.870"	1.520"
1600, 1800, 2002	129.000mm	4.078"		G15	90.000mm	3.543"		<b>SUZUKI</b>			
2500, 2800, 3000	129.000mm	4.078"		G4EK	74.930mm	2.950"	In 1.510" Ex 1.550	F5A, F10A	93.800mm	3.693"	
3300	129.000mm	4.078"		G63	90.000mm	3.543"		G10A	125.000mm	4.921"	1.440"
528E	125.100mm	4.925"		<b>MAZDA</b>				G13A	95.400mm	3.756"	In 1.950" Ex 1.965"
DEM30C, M30	129.286mm	5.063"		1200	75.692mm	2.980"		G16A	95.250mm	3.750"	In 1.950" Ex 1.965"
M10A	124.286mm	5.090"	1.650"	4G54	90.100mm	3.547"	1.940"	G16B SOHC 16V			1.425"
M12D	148.209mm	5.835"		B3, B6 SOHC 8V	107.100mm	4.235"	1.525"	<b>TOYOTA</b>			
M30A	129.286mm	5.063"		B6 SOHC 16V	107.399mm	4.228"	In 1.690" Ex 1.650"	12R	79.500mm	3.129"	
M42	129.100mm	5.055"		BP SOHC 16V	107.399mm	4.228"	In 1.697" Ex 1.644"	1C	133.000mm	5.236"	
M50	140.106mm	5.494"		E3, E5, VA	90.500mm	3.563"	In 1.550" Ex 1.560"	1FZ-F	135.000mm	5.315"	
M69	129.286mm	5.090"		F2	92.050mm	3.624"		1HZ	133.500mm	5.236"	
M70, M70A	140.258mm	5.522"		F8, FE, F6	91.950mm	3.620"		1S	101.000mm	3.976"	1.910"
S14	95.961mm	3.778"	1.967"	G6	90.000mm	3.543"		20R	96.000mm	3.780"	1.765"
S38Z	95.989mm	3.779"		JE	125.250mm	4.931"	In 1.995 Ex 1.955"	22R	96.266mm	3.790"	1.820"
<b>DAEWOO</b>				KL	133.600mm	5.260"	1.644"	2F	96.774mm	3.810"	1.950"
1.6L	138.176mm	5.440"	1.512"	MA, NA, VC	109.950mm	4.291"	In 1.620" Ex 1.505"	2H	88.000mm	3.465"	
G15MF	96.139mm	3.785"	0.550"	PB, TB	75.950mm	2.989"		2L	101.999mm	4.016"	
<b>DAIHATSU</b>				R2	134.000mm	5.276"		2RZ	135.000mm	5.315"	1.730"
AB20	125.800mm	4.953"		TC, UC, EI	90.500mm	3.563"	In 1.550" Ex 1.560"	2S	101.000mm	3.975"	1.910"
CB	126.000mm	4.961"		<b>MG</b>				2TA	84.800mm	3.338"	
F300	93.800mm	3.693"		MGF	119.00mm	4.685"		2TB	81.810mm	3.200"	
Mira	100.076mm	3.940"		<b>MITSUBISHI</b>				2T	86.000mm	3.585"	
HDE	93.522mm	3.682"		4D30	94.600mm	3.724"		3K	81.250mm	3.199"	
<b>FORD</b>				4D56	94.000mm	3.700"		3KB	79.910mm	3.140"	
4G54	90.100mm	3.547"	1.940"	4D6	87.000mm	3.425"		3KC	80.924mm	3.186"	
7000	114.351mm	4.502"		4DR5	86.100mm	3.390"		3KH	82.240mm	3.238"	
B3 SOHC 16V	107.600mm	4.236"		4G15	107.000mm	4.212"	1.630"	3L	132.999mm	5.236"	
B6A SOHC 8V	107.600mm	4.236"		4G32	88.501mm	3.484"	1.625"	3RZ	135.00mm	5.315"	
B6B DOHC 16V	134.000mm	5.276"		4G37	88.500mm	3.484"	1.552"	3SFE	126.000mm	4.960"	1.490"
Cortina 2.0L TE	94.490mm	3.710"	1.685"	4G54 Sigma	90.100mm	3.547"	1.940"	3VZE	134.925mm	5.312"	1.740"
EA26	106.050mm	4.175"		4G63	90.015mm	3.544"	1.653"	3VZFE	95.300mm	3.752"	
Falcon AU			1.940"	4G63 SOHC 16V			1.920" - 1.950"	3Y	111.520mm	4.390"	1.890"
Falcon EA - EF	106.500mm	4.175"	2.010"	4G63B DOHC 16V	131.902mm	5.193"		4A, 3A, 2A	87.000mm	3.425"	1.740"
Falcon EL			1.940"	4G64	89.901mm	3.539"	1.935"	4AFE	116.078mm	4.570"	1.485"
FP	124.550mm	4.904"		4G64 SOHC 16V	120.015mm	4.725"	1.653"	4AGE	116.027mm	4.568"	1.540"
FS DOHC	124.550mm	4.904"	1.545"	4G93 DOHC 16V	119.900mm	4.721"	In 1.950" Ex 1.947"	4AGE-ZE	116.000mm	4.566"	
HA Diesel	82.500mm	3.448"		6A12	132.500mm	5.217"		4K	82.500mm	3.245"	
KF, Probe, KL	133.600mm	5.260"		6D30	94.600mm	3.720"		4M	94.500mm	3.720"	1.820"
Maverick TB42	117.470mm	4.625"	1.810"	6D57	94.500mm	3.720"		4Y	111.500mm	4.390"	1.890"
Transit Windsor 302			1.655"	6G72 SOHC	84.000mm	3.307"	1.645"	5L	72.000mm	3.031"	
X/Flow	34.930mm	1.375"	2.070"	6G72 DOHC	132.000mm	5.197"	In 1.841" Ex 1.826"	5MGE DOHC 12V	70.866mm	2.790"	In 1.830" Ex 1.960"
	87.500mm	3.445"	2.100"	Diesel 6cyl	94.700mm	3.728"		5R	88.000mm	3.464"	
<b>HOLDEN</b>				Galant 4G	88.500mm	3.485"		5SFE	126.060mm	4.963"	1.515"
1600	93.250mm	3.670"		P272	107.100mm	4.215"		7MGE	116.078mm	4.570"	1.495"
308, 253	26.010mm	1.024"		<b>NISSAN</b>				8R, 18R	93.290mm	3.671"	
4XC1 Gemini	86.000mm	3.386"		120Y	74.200mm	2.921"		K, 2K	79.500mm	3.129"	
4ZB1	93.000mm	3.675"		1.6L T	96.200mm	3.787"		M, 2M, 4M	103.000mm	4.055"	
4ZE1	93.000mm	3.675"	1.735"	1.8L E	95.550mm	3.762"		<b>VOLVO</b>			
5SFE	126.060mm	4.963"	1.515"	A10, A12	73.610mm	2.898"		B18B	87.000mm	3.425"	
Apollo 3VZFE	122.120mm	4.808"		CA18 DOHC 16V	125.908mm	4.9570"	In 1.555" Ex 1.542"	B18B A	96.200mm	3.394"	
Astra LS			1.535"	CA20E	117mm	4.591"	1.850"	B20	86.700mm	3.413"	
Blue 202B	72.000mm	2.853"	In 1.800" Ex 1.890"	KA24	98.806mm	3.890"	In 2.150" Ex 2.010"	B23, B21	146.000mm	5.748"	
Camira 1.6L	96.000mm	3.780"	0.550"	L16, L18, L24, L26	107.900mm	4.250"		B28, B26	111.000mm	4.370"	
Camira 1.8L	96.000mm	3.780"	0.725"	L20B	107.950mm	4.250"		B27	111.070mm	4.373"	
Camira 1.8L Hport	95.148mm	3.746"		PD6	120.000mm	4.724"		B30	87.000mm	3.425"	
Camira 2.0L	96.000mm	3.780"	0.725"	Pulsar E13, E15	120.200mm	4.730"		B30	87.000mm	3.425"	
C18SEL	134.20mm	5.212"		Pulsar E16	19.88mm	4.720"	In 1.780" Ex 1.675"	D70	109.000mm	4.291"	
C14SE			In 1.510" Ex 1.630"	RB20			1.790"	HC	146.116mm	5.753"	
C22SEL	134.00mm	5.276"	1.555"	RD28 Hyd	140.005mm	5.512"	1.760"	MAR	90.000mm	3.543"	
Commodore VL	106.700mm	4.201"	1.810"	RB30	106.700mm	4.201"	1.810"	TD100B	115.000mm	4.528"	
Commodore V6 VN -VR	25.400mm	1.000"	1.960"	SD33, SD22	90.000mm	3.543"		Td70	109.000mm	4.291"	
Commodore V6 VS VT	26.924mm	1.060"	1.960"	Silvia	113.538mm	4.470"					
Commodore V8 VN			2.010"	SR20	137.000mm	5.394"					
G161	93.200mm	3.669"		TD32	90.000mm	3.543"					
G180Z	92.964mm	3.660"		TB42	117.475mm	4.625"	1.810"				
G200	93.269mm	3.672"		Vg30	106.799mm	4.204"	1.790"				
Nova LE	95.300mm	3.752"		Z20	117.500mm	3.900"	1.750"				
Red 6 Cyl			1.850"	Z22 - Z24	117.500mm	3.900"	1.850"				
Torana 1599	52.460mm	3.640"									
Vectra			In 1.570 Ex 1.555								
Z14XE			1.515"								

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