



## 6 Cylinder Head Specs

Factory Quoted Theoretical Compression Ratios:

Model	Engine #	C-Ratio	Engine # Suffix
2000 Mk1	To MB 13750E	8.5:1	HE
2000 Mk1	From MB 13751E	9:1 or 9.1:1	HE
2000 Mk1	MB	7:1	LE
2000 Mk2	To ME 50 000	9.25:1	HE
2000 Mk2	To ME 50 000	7:1	HE
2000 Mk2	From ME 50 000	8.8:1	HE
2.5 PI + TR5/6	All MG, CP, CR	9.5:1	HE
2500 TC + S	MM	8.5:1	HE

HE denotes high-compression engine unit  
LE denotes low compression engine unit

Diff Ratios for Triumph Saloons:

Model	Diff Ratio
Mk1 PI	3.45
Mk1 manual	4.1
Mk1 automatic	3.7
Mk2 2000	3.7
Mk2 2500 & PI	3.45

## Factory Quoted Theoretical Compression Ratios:

Model	From engine #	Distributor	Part #	Max advance
2000 Mk1	high compression	Lucas 25D6	Lucas 40967	11-13° @2100rpm
	low compression	-	Lucas 40975	15° @2500rpm
2.5 PI Mk1	-	Lucas 25D6	Lucas 41236	11° @3000rpm
2000 Mk2	ME1	Lucas 25D6	Lucas 41314	13° @2500rpm
	ME50001	Lucas 25D6	Lucas 41378	9° @1800rpm
	ME92301	Lucas 45D6	Lucas 41452	9° @1800rpm
	ML20001	Lucas 45D6	Lucas 41621	11° @2300rpm
2.5 PI Mk2	MG1	Lucas 25D6	Lucas 41236	11° @3000rpm
	MG75001	Lucas 25D6	Lucas 41502	13.5° @1400rpm
	MG82007	Lucas 25D6	Lucas 41543	13° @1500rpm
	MG83620	Lucas 43D6	Lucas 41582	13° @1500rpm
2500 TC	Pre '74 engines (overseas)	Lucas 25D6	-	14° @2300rpm
	MM45	Lucas 45D6	Lucas 41536	10° @1400rpm
	MM20001	Lucas 45D6	Lucas 41624	7° @1400rpm
	Australian market	Lucas 45D6	Part #41654	11° @2000rpm

## BHP & Torque Figures for Triumph 6 Cylinder Engines:

Source: "Triumph Cars, The  
Complete Story"  
by Robson and Langworth

Model	BHP @ RPM	Torque @ RPM
TR5	150 @5500	164 @3500
TR250	104 @4500	143 @3000
TR6 (69-72)	*see TR5	*see TR5
TR6 (73...)	124 @5000	143 @3500
TR6 (USA)	*see TR250	*see TR250
Herald Vitesse 1600	70 @5000	92 @2800
Vitesse 2L	95 @5000	117 @3000
Vitesse Mk2	104 @5300	117 @3000
2000 Mk1	90 @5000	117 @2900
2.5 PI Mk1 & Mk2	132 @5500	153 @2000
2000 Mk2	84 @5000	100 @2900
2000 TC	91 @4750	110 @3300
2500 Mk2	99 @4700	133 @3000
2500 TC	106 @4700	139 @3000
GT6 Mk1	95 @5000	117 @3000
GT6 Mk2	104 @5300	117 @3000
GT6 Plus (USA)	95 @4700	117 @3400

Part # (bare)	Head # (stamped)	Casting (raised)"	Height nominal (inches)	Applications	Piston type	Exhaust valve (mm)	Push rod length (inches)	EGR hump	Rear water slot
516323?	516323	?	3.535	TR250	flat	32.0	8 5/16	yes	?
516799	516816	308351	3.400	Mk2 PI toMG50000.2000 low-compression7:1. TR5/6 to CR2845	flat	32.0	8 1/8	no	yes
517610	517528	308351	3.300	Mk2 2000 to ME50000, Mk2 Vitesse/GT6	flat	32.0	8	yes (squared)	?
517610	517610	308351	3.300	Mk2 2000 to ME50000, Mk2 Vitesse/GT6	flat	32.0	8	no ?	yes
520819	218225	312388	3.400	Mk2 2000 from ME50001 to ME86355-86508, Mk2 GT6	dome	32.0	8 1/8	yes	no
520821	?	312388	3.400	Mk2 2000 from ME50001 Police Cars	dome	32.0	8 1/8	yes	no
520873	218225	312388	3.400	Mk2 PI MG50001 to MG82077	flat	32.0	8 1/8	yes	no
520879	218226	312538	3.475	2500 TC & S (Australia'73)	flat	32.0	8 5/16	no ?	?
?	218226	312388	3.475	2500 TC & S (Australia'74)	flat	32.0	8 5/16	yes	?
520870?	218227	313247	3.535	Carb (Africa?) 7.5:1 comp	flat	32.0	?	yes (squared)	no
?	219015	313248	3.400	Mk2 2000 fromME86355-86508, continuously from ME91075. Mk2 PI from MG82077. TR6 PI from CR2936. GT6 Mk3	2000:dome 2500:flat	30.3	8 1/8	yes	no
520879	219016	313248	3.475	2500 TC & SMM1 onwards	flat	30.3	8 5/16	yes	no
RTC2225	219021	313248	3.475	2500 TC & S (Australia)	flat	30.3 (inserted)	8 5/16	yes (used)	no