

PIPER
CAMS

Piper Cams

Piper Cams have been designing and manufacturing performance camshafts since **1966**. Continuous investment in state of the art machinery has kept us at the forefront of profile design. For some years now we have utilised CNC cam grinding equipment to complement our CNC workshop facilities, all of which allow us to hold the very closest tolerances. Our comprehensive machine shop means we can also manufacture bespoke camshafts and parts please contact us for more information.

Due to continuous expansion, during early 2007 we relocated to our new 25'000 sq/ft factory in Folkestone. Further investment in an air conditioned inspection department means we now offer the very best camshaft/valve train analysis/design facility in the UK.

Our CNC Berco and Landis machines will grind not only cams for use in Le Mans, WRC, Touring Cars, NASCAR, Indy Car, British & European Rallycross & Hot Rod but also most of our fast road profiles as well. The same in house design facilities and CNC machines are used to produce our huge range of performance road cams to the same exacting standards and with the same amount of success. This means the superior quality of our cams will be available to everybody whether you drive a NASCAR or a Nova!

Motor vehicle manufacturers are continually producing new engines, making them lighter and more efficient. Our continuous research and development programme keeps us at the forefront of engine development. We achieve phenomenal results by using modern design methods, developed in a competition environment, to produce cams that not only offer the best performance but the best longevity as well.

To complement our camshafts we offer a complete range of components: adjustable vernier pulleys, performance valve springs, spring retainers, timing belts, cam followers and much more. We are also distributors for Cometic Gaskets. It is not possible to print our entire range of products, If you cannot find what you are looking for please contact us on the details below.

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Technical terminology

Lift:

This can be cam lift or valve lift. The latter being the cam lift multiplied by the rocker ratio. All lift figures in this catalogue refer to valve lift.

Duration:

This is the length of time, measured in crankshaft degrees that the valve is off its seat.

In these data sheets, Piper gives you this figure as well as the timing figures. To calculate the duration, add the timing numbers together and add 180.

EXAMPLE: a cam with timing figures of 23/67 added, totals 90, plus 180, gives 270 degrees of duration.

Overlap:

The number of crankshaft degrees where both the inlet and exhaust valve are open at the same time.

To calculate overlap: Add the opening number of the inlet cam to the closing number of the exhaust cam, i.e. the first and last numbers of the cam timing. Using our same example of the 23/67 inlet and 67/23 exhaust (usually referred to as 23/67 - 67/23), add together the first and last numbers (23 and 23) and the total (46) is the overlap. In general terms the larger this number or the greater the overlap, the hotter the cam.

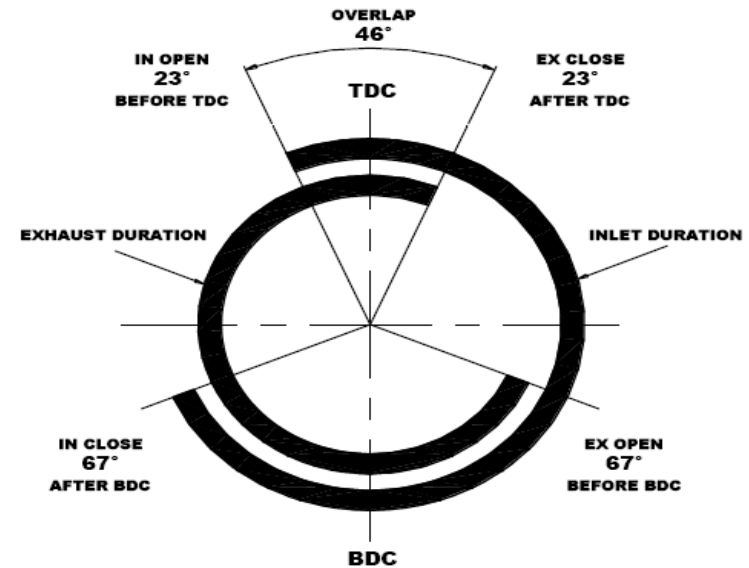
Cam Timing:

The position of the camshaft relative to the crankshaft. This is expressed as the number of degrees that full lift occurs after top dead centre (tdc) in the case of the inlet, and before tdc for the exhaust. This figure is included in the Piper technical data, but to calculate this, take the duration figure and divide by 2.

EXAMPLE: With inlet cam of 23/76, the duration is the addition of these two numbers, plus 180, equals 270. Then divide by 2 resulting in 135. Deduct the number of degrees before TDC that the valve started to open, i.e. 23 degrees – the result 112. The valve is correctly timed with full lift 112 degrees after TDC.

Valve Timing:

The opening and closing position of inlet and exhaust valves relative to the crankshaft as figures before and after TDC and BDC.



Lobe Angle:

The angle between the inlet and exhaust lobe, measured in degrees.

Ramp:

The ramp is the part of the profile that takes up the valve clearance and slack in the valve train gradually, before the valve is actually lifted from the seat. It also rests the valve gently back to the seat after the closing flank. Mechanical profiles use a much larger ramp than hydraulic ones, as the hydraulic cam follower should be in contact with the lobe at all times. The height of the ramp dictates what measurement the valve clearances should be set to.

Flank:

This is the part of the profile between the ramp and nose. It is the most important part of the whole design. The flank controls the velocity and acceleration of the valve train. The acceleration / deceleration rate must be within the working limits of the valve spring, too much and valve float will occur. Generally high acceleration & velocity figures are beneficial to engine performance.

Nose radius:

The larger the nose radius the better. Our profiles are designed to utilise the biggest nose radius possible to keep the stresses to a minimum.

Dwell:

As the valve reaches full lift it will stop moving for a few degrees before starting to drop back towards the seat, this period is known as the dwell. When checking the cam timing using the full lift figure method the mid-point of the dwell should be taken as exact full lift.

Rocker Ratio:

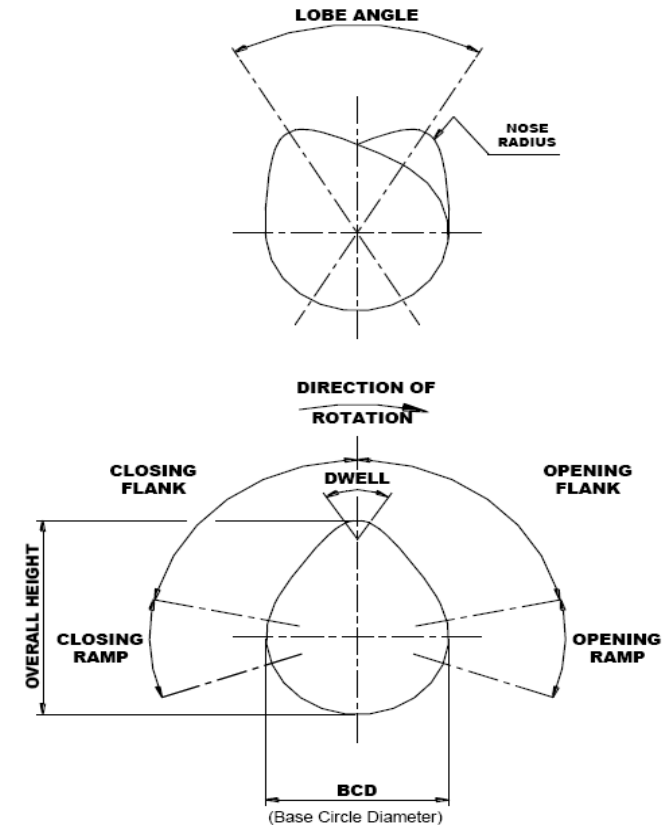
The ratio between valve motion vs. cam follower motion. Push rod engines typically use a ratio of between 1.1:1 & 2.0:1. Over head cam, direct operating engines obviously have no rocker ratio as the cam follower motion is exactly the same as the valve motion.

Overall height:

The measurement from the nose of the lobe to the bottom of the base circle, in a straight line through the centre of the lobe.

Base circle diameter:

The measurement across the lobe, calculated by measuring the overall height and subtracting the cam lift.



Conditions of trading

Goods supplied will be in accordance with our specification unless a written variation is agreed. Minor variations which do not adversely affect the goods may be made.

Quoted dates for delivery are approximate only. Orders cannot be cancelled for late delivery.

Ownership of goods will not pass until after payment in full. If payment is late, goods must be available for collection on demand. No liability is accepted for loss or damage of goods after delivery.

Unless credit terms are agreed before placement of an order, payment for goods is due on acceptance of order. Five days is required for clearance of cheques. Interest is payable on overdue payments at 5% p.a. above Barclays Bank plc base lending rate from time to time.

Goods are warranted free from defect in normal use for six months after delivery unless otherwise stated. Defective goods must be returned within one month after defect appears. Replacement of defective goods or refund of purchase price will be satisfy our liability. Our liability for goods originally supplied to us is limited to the suppliers liability to us. Liability for consequential loss of any kind is excluded except that liability for death or injury is not limited and consumers statutory rights are not affected by these terms.

No goods will be supplied to customers who are or appear likely to become insolvent. Presentation of a petition under the insolvency act 1986 or appointment of a receiver in respect of a customer will entitle us to cancel any contract with that customer.

No third party is intended to benefit from any express or implied warranty given in respect of goods supplied by us.
All contracts with our customers are to be construed in accordance with the laws of England.

Recallshow Limited T/A Piper

The rules of successful camshaft installation

Research indicates that most cams that wear out start to fail during the first few moments of operation. Many cams are irreparably damaged, even before the engine is started, because the basic rules of camshaft break-in have not been followed.

The cause of premature cam and tappet failure is metal to metal contact between the tappet and cam lobe. Should this contact occur due to lack of proper lubrication or excessively high pressure due to valve train interference shearing the oil film, then 'galling' will take place. When this happens, metal is transferred from the tappet to the cam or vice versa in a process comparable to welding. Microscopic high spots, which are present on all machined parts, become overheated due to friction and pressure and bond together, tearing sections loose from the tappet or lobe. These pieces of metal remain attached and create further local overheating during the following revolutions of the camshaft and lead to ultimate failure of the affected components.

1. New Piper cam followers **MUST** be used.
2. Coat cam and followers generously with **PIPER** cam lube.
3. Check entire valve train for interference before starting engine, i.e. valve to piston contact, for twin cam engines, valve to valve possible contact and spring boxing. Valve springs should show .030" clearance between centre coils. Valve should have minimum .060" clearance from piston/block. Engines that utilise hydraulic tappets should have at least one inlet and one exhaust tappet temporarily replaced with mechanical item set with zero clearance. This will allow accurate figures to be obtained from the above checks. Once the checks have been done make sure the original hydraulic items are refitted.
4. Do not remove black phosphate coating from cam lobes. This coating helps the bedding in procedure by aiding oil retention on the surface of the cam lobe.
5. To ensure that your Piper camshaft reaches you in the same condition that it left the factory, it has been coated with a transparent rust inhibitor that must be removed before fitting. Wash off in a suitable solvent, such as Paraffin. After washing it is essential that your camshaft be liberally coated with cam lube.

6. It is **ESSENTIAL** that you ensure that the cam you are fitting is **IDENTICAL IN EVERY WAY** (apart from the lobe forms) to the cam you remove. Failure to check may invalidate your warranty.

7. Before starting all engines, prime the oil system by turning the oil pump manually. Fill carburettor with petrol, fill radiator, and ensure correct ignition timing. Engine must start right away and not be subjected to a long grind on the starter.

8. Do not idle engine during the first twenty minutes of operation; rpm should be kept at 2500 or above; in pushrod engines oil throw-off from the crank may not be sufficient to lubricate the cam followers. Also contact stresses at the nose of the cam are very high at low speed. If adjustments need to be made during the twenty minutes break-in period, shut the engine down. **DO NOT IDLE.**

9. In some OHC engines where reprofiled cams are used, you may need larger than standard adjustment shims.

10. When modifying engines that utilise finger followers i.e. Ford Pinto SOHC engine, it is imperative that you ensure the followers sit in a horizontal position. Failure to do so will alter the rocker geometry.

11. The importance of changing your cam belt at the manufacturers recommended intervals could not be over-emphasized. A failure of this item will more often than not result in massive engine damage. Our range of belts have been specifically designed to cope with the demands of a competition engine.

A guide to correct timing

To check your cam timing, you will need a 360 degree protractor and dial gauge. The engine must be set at TDC and the protractor bolted to the crank pulley. Attach the dial gauge so that the foot is resting on valve spring cap (or follower on an OHC engine). Attach a pointer to engine and zero the protractor. Engine is now at TDC with the protractor reading zero. Turn engine until full lift is first shown on dial gauge. Note number of degrees (e.g. 106 degrees ATDC) continue to turn engine and note when lift starts to reduce (e.g. 110 degrees ATDC) true full lift position will, in this case, be 108 degrees. Your figures will differ but true full lift is at midway point.

The correct full lift position for your cam is shown on attached information sheet.

Alfa Romeo

GIULIETTA / GIULIA / 1300 / 1600 / 1750 / 2000 8V

Valve lifts quoted assume a rocker ratio of 1:1

CAM CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT		TIMING	FULL LIFT		LIFT AT TDC		VALVE CLEARANCE	
					INLET/EXHAUST	INLET/EXHAUST		INL ATDC	EXH BTDC	with clearance INLET/EXHAUST		INLET/EXHAUST	
ALFRBP270	Fast Road	1500-6500	10BHP	264° 264°	.400" 10.15mm	.398" 10.11mm	24 - 60 60 - 24	108° 108°	.078" 1.98mm	.076" 1.93mm	.010" .25mm	.012" .30mm	
ALFRBP285	Ultimate Road	2000-7000	15+ BHP	280° 280°	.430" 10.92mm	.428" 10.87mm	34 - 66 66 - 34	106° 106°	.118" 2.99mm	.116" 2.94mm	.010" .25mm	.012" .30mm	
ALFRBP300	Rally	2800-7500	-	290° 290°	.438" 11.13mm	.436" 11.08mm	39 - 71 71 - 39	106° 106°	.160" 4.06mm	.158" 4.01mm	.010" .25mm	.012" .30mm	
ALFRBP320	Race	3000-8000	-	296° 296°	.470" 11.94mm	.468" 11.89mm	47-73 76 - 44	102° 104°	.177" 4.50mm	.164" 4.18mm	.010" .25mm	.012" .30mm	

75 / 155 / 164 / TWIN SPARK 2.0 8V

Valve lifts quoted assume a rocker ratio of 1:1

ALFR20BP270	Fast Road	1500-6500	12BHP	278° 278°	.445" 11.29mm	.400" 10.15mm	31 - 67 67 - 31	108° 108°	.117" 2.97mm	.092" 2.34mm	.014" .35mm	.016" .40mm
ALFR20BP280	Ultimate Road	2500-7000	-	290° 290°	.438" 11.13mm	.436" 11.08mm	39 - 71 71 - 39	106° 106°	.157" 4.00mm	.155" 3.95mm	.010" .25mm	.012" .30mm
ALFR20BP300	Rally	2800-7500	-	300° 300°	.480" 12.19mm	.478" 12.13mm	47 - 73 76 - 44	103° 106°	.180" 4.57mm	.164" 4.17mm	.008" .20mm	.010" .25mm

145 / 146 / 155 / 156 / GTV / SPIDER 1.8 / 2.0 16V VVT

Valve lifts quoted assume a rocker ratio of 1:1

AR16VBP270H	Fast Road	1500-6500	10BHP	258° 258°	.395" 10.03mm	.395" 10.03mm	19 - 59 59-19	110° 110°	.053" 1.33mm	.053" 1.33mm	HYDRAULIC	
AR16VBP285	Ultimate Road	2500-7500	-	272° 264°	.432" 10.97mm	.415" 10.53mm	30 - 62 58 - 26	106° 106°	.084" 2.41mm	.081" 2.06mm	.008" .20mm	.010" .25mm
AR16VBP300	Rally	3000-8000	-	276° 276°	.457" 11.60mm	.450" 11.42mm	32 - 64 64 - 32	106° 106°	.110" 2.80mm	.097" 2.46mm	.008" .20mm	.010" .25mm
AR16VBP320	Race	3000-8000	-	284° 276°	.469" 11.91mm	.455" 11.55mm	40 - 64 60 - 36	102° 102°	.161" 4.08mm	.130" 3.29mm	.008" .20mm	.010" .25mm

GTV6 / 156 / 164 V6 24V

Valve lifts quoted assume a rocker ratio of 1:1

ARV6BP270H	Fast Road	1500-6500	15BHP	260° 260°	.380" 9.65mm	.380" 9.65mm	21 - 59 59 - 21	109° 109°	.040" 1.00mm	.040" 1.00mm	HYDRAULIC	
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33 / 145 / 146 1.7ie 16V BOXER

Valve lifts quoted assume a rocker ratio of 1:1

AR17BP270H	Fast Road	1500-6500	8BHP	260° 260°	.380" 9.65mm	.380" 9.65mm	21 - 59 59 - 21	109° 109°	.040" 1.00mm	.040" 1.00mm	HYDRAULIC	
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Please note:

Reprofile option - profiles may vary from specifications listed.

CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	

-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	

FOLAR16V	-	-	-	-	-	
FOLAR16V	-	-	-	-	-	
FOLAR16V	-	-	-	-	-	
FOLAR16V	-	-	-	-	-	

-	-	-	-	-	-	
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Please see rear of catalogue for further details of each part number/s.

Aston Martin

DB5 / DB6

Valve lifts quoted assume a rocker ratio of 1:1

CAM CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT		TIMING	FULL LIFT		LIFT AT TDC		VALVE CLEARANCE	
					INLET/EXHAUST	INLET/EXHAUST		INL ATDC	EXH BTDC	with clearance		INLET/EXHAUST	
ASTONBP285	Ultimate Road	1800-6500	-	284° 284°	.448" .446"	11.37mm 11.32mm	34 - 70 70 - 34	108° 108°	.127" .125"	3.23mm 3.18mm	.012" .014"	.30mm .35mm	
ASTONBP300	Rally	2500-7000	-	300° 300°	.523" .521"	13.28mm 13.23mm	44 - 76 76 - 44	106° 106°	.178" .176"	4.52mm 4.47mm	.012" .014"	.30mm .35mm	
ASTONBP320	Race	2800-7500	-	310° 310°	.543" .541"	13.79mm 13.74mm	51 - 79 79 - 51	104° 104°	.191" .189"	4.85mm 4.80mm	.017" .019"	.43mm .48mm	

Austin Healey

Sprite - See BMC A Series

100/4

Valve lifts quoted assume a rocker ratio of 1.45:1

AH4M	Le Mans M Spec	1000-5000	-	244° 244°	.411" .409"	10.44mm 10.38mm	14 - 50 50 - 14	108°	.037" .022"	0.94mm 0.56mm	.013" .015"	.33mm .38mm
AH4BP270	Fast Road	1500-5500	10BHP	272° 272°	.400" .398"	10.16mm 10.11mm	31 - 61 66 - 26	105°	.074" .050"	1.89mm 1.26mm	.014" .016"	.35mm .40mm
AH4BP285	Ultimate Road	2000-6000	15BHP	288° 288°	.421" .419"	10.69mm 10.64mm	39 - 69 74 - 34	105°	.105" .080"	2.66mm 2.02mm	.014" .016"	.35mm .40mm
AH4BP300	Rally	2500-6500	-	296° 296°	.456" .454"	11.59mm 11.54mm	43 - 71 71 - 43	104°	.138" .136"	3.52mm 3.46mm	.016" .018"	.40mm .45mm

3000

Valve lifts quoted assume a rocker ratio of 1.45:1

AH3BJ8	BJ8 - MK3 HEALEY STD PROFILE	1000-5000	-	266° 266°	.371" .369"	9.54mm 9.38mm	28 - 58 63 - 23	105°	.073" .052"	1.85mm 1.32mm	.015" .016"	.38mm .40mm
AH3BP270	Fast Road	1300-5200	14BHP	272° 272°	.400" .398"	10.16mm 10.11mm	31 - 61 66 - 26	105°	.074" .042"	1.89mm 1.07mm	.014" .016"	.35mm .40mm
AH3BP285	Ultimate Road	1600-6000	20BHP	288° 288°	.421" .419"	10.69mm 10.64mm	39 - 69 74 - 34	105°	.105" .080"	2.66mm 2.02mm	.014" .016"	.35mm .40mm
AH3BP300	Rally	2000-6500	-	296° 296°	.456" .454"	11.59mm 11.54mm	43 - 71 71 - 43	104°	.138" .136"	0.89mm 1.47mm	.016" .018"	.40mm .45mm
AH3BP320	Race	3000-7500	-	328° 328°	.548" .546"	13.91mm 13.86mm	62 - 86 87 - 61	102°	.218" .210"	5.53mm 5.34mm	.016" .018"	.40mm .45mm
AH3SPRINT	Rally Race	2000-6800	-	320° 300°	.455" .453"	11.56mm 11.51mm	60 - 80 75 - 45	100°	.188" .132"	4.78mm 3.34mm	.015" .015"	.38mm .38mm
AH3SSPRINT	Race	2500-7000	-	320° 320°	.455" .453"	11.56mm 11.51mm	60 - 80 85 - 55	100°	.188" .163"	4.78mm 4.13mm	.015" .015"	.38mm .38mm

Please note:

Reprofile option - profiles may vary from specifications listed.

CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	

-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	Additional Machining Required.
-	-	-	-	-	-	Additional Machining Required.

FOLAHR	VDSA6	-	-	-	-	
FOLAHR	VDSA6	-	-	-	-	
FOLAHR	VDSA6	-	-	-	-	Additional Machining Required.
FOLAHR	VDSA6	-	-	-	-	Additional Machining Required.
FOLAHR	VDSA6	-	-	-	-	Additional Machining Required.
FOLAHR	VDSA6	-	-	-	-	Additional Machining Required.
FOLAHR	VDSA6	-	-	-	-	Additional Machining Required.

Please see rear of catalogue for further details of each part number/s.

BMC

A SERIES MINI / METRO / MIDGET

Valve lifts quoted assume a rocker ratio of 1.28:1

CAM CODE CAM KIT CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT INLET/EXHAUST	TIMING	FULL LIFT		LIFT AT TDC		VALVE CLEARANCE	
							INL ATDC	EXH BTDC	with clearance INLET/EXHAUST		INLET/EXHAUST	
BP255 KBMETBP255	Mild Road/Turbo Excellent all round cam for all engine sizes. Excellent torque, smooth idle.	1000-6000	8BHP	264° 264°	.360" .360" 9.14mm 9.14mm	24 - 60 60 - 24	108°		.042" .042" 1.07mm 1.07mm	.012" .012" .30mm .30mm		
BP270 KBMETBP270	Fast Road Carb. cam for use in all engine sizes. Smooth idle. No machining required.	1500-6500	10BHP	276° 276°	.385" .385" 9.78mm 9.78mm	31 - 65 65 - 31	107°		.082" .080" 2.08mm 2.03mm	.012" .012" .30mm .30mm		
BP270I KBMETBP270I	Fast Road Single Point Injection cam. Excellent torque and very good idle.	1500-6500	8BHP	252° 264°	.326" .346" 8.28mm 8.73mm	16 - 56 62 - 22	110°		.038" .042" 0.97mm 1.07mm	.016" .016" .40mm .40mm		
BP270MPI KBMETBP270MPI	Fast Road Multipoint Injection cam. Excellent torque and very good idle.	1500-6500	10BHP	252° 264°	.350" .346" 8.89mm 8.76mm	16 - 56 57 - 27	110°		.088" .080" 2.24mm 2.03mm	.012" .016" .30mm .40mm		
METSC1	Fast Road+ Designed for supercharged application	1700-7000	-	280° 276°	.408" .391" 10.36mm 9.94mm	33 - 68 66 - 31	108°		.035" .035" 0.90mm 0.90mm	.012" .012" .30mm .30mm		
BP285 KBMETBP285	Ultimate Road For use in 1275cc and larger engines, marrie improvements in mid range torque and power.	2000-7000	14BHP	280° 280°	.400" .400" 10.16mm 10.16mm	33 - 67 67 - 33	107°		.088" .088" 2.24mm 2.24mm	.012" .012" .30mm .30mm		
BP300 KBMETBP300	Rally Race Torque and power are what you need to win rallies and that is exactly what this cam gives.	3000-8000	-	316° 316°	.390" .390" 9.89mm 9.89mm	54 - 82 82 - 54	104°		.149" .149" 3.78mm 3.78mm	.014" .014" .35mm .35mm		
BP320 KBMETBP320	Race The reputation of this cam is legendary. It gives over 150bhp in 1380cc engines.	4000-8500	-	320° 320°	.420" .420" 10.67mm 10.67mm	57 - 83 83 - 57	103°		.159" .159" 4.04mm 4.04mm	.012" .012" .30mm .30mm		
649+	Race The original 649 was an excellent cam, this derivative gives similar characteristics but with more power.	3000-7500	-	300° 312°	.400" .420" 10.16mm 10.67mm	50 - 70 81 - 51	100°		.139" .149" 3.53mm 3.78mm	.014" .016" .35mm .40mm		
457	Brisca Ministock	3000-7500	-	276° 284°	.400" .400" 10.16mm 10.16mm	32 - 64 68 - 36	106°		.103" .093" 2.62mm 2.36mm	.010" .012" .25mm .30mm		
466	Spedeworth Ministock For use with restrictor plate	3000-7000	-	272° 272°	.345" .350" 8.76mm 8.89mm	32 - 60 65 - 27	104°		.065" .050" 1.65mm 1.27mm	.012" .012" .30mm .30mm		
2046	Spedewoth Ministock For use with 17mm restrictor	3000-7000	-	256° 256°	.366" .364" 9.30mm 9.25mm	24 - 52 52 - 24	104°		.066" .064" 1.68mm 1.63mm	.012" .014" .30mm .35mm		

Scatter Camshafts available

The Original Piper HR Range available upon request

Note:

Please check the endfloat of the camshaft when using non oe replacement oil pump(additional machining may be required to the pump)

Reprofile option - profiles may vary from specifications listed.

Billet camshafts are only available in metro slot type oil pump drive, and have drilled lobes for additional lubrication.

Prefix part number with type of oil pump drive (PD-pin drive, SCD-star drive, MET-slot drive).



CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
FOLMIN*	VDSMIN2* VDSMINR	SC1	VDSMIN2K	PULSMIN PULDMIN	-	MINKEY2°/4°/6° (OFFSET KEY) & 'TCMIN' (TIMING CHAIN)
FOLMIN*	VDSMIN2* VDSMINR	SC1	VDSMIN2K	PULSMIN PULDMIN	-	'MINKEY2°/4°/6° (OFFSET KEY) & 'TCMIN' (TIMING CHAIN)
FOLMIN*	VDSMIN2* VDSMINR	SC1	VDSMIN2K	PULSMIN PULDMIN	-	'MINKEY2°/4°/6° (OFFSET KEY) & 'TCMIN' (TIMING CHAIN)
FOLMIN*	VDSMIN2* VDSMINR	SC1	VDSMIN2K	PULSMIN PULDMIN	-	'MINKEY2°/4°/6° (OFFSET KEY) & 'TCMIN' (TIMING CHAIN)
FOLMIN*	VDSMIN2* VDSMINR	SC1	VDSMIN2K	PULSMIN PULDMIN	-	'MINKEY2°/4°/6° (OFFSET KEY) & 'TCMIN' (TIMING CHAIN)
FOLMIN*	VDSMIN2* VDSMINR	SC1	VDSMIN2K	PULSMIN PULDMIN	-	'MINKEY2°/4°/6° (OFFSET KEY) & 'TCMIN' (TIMING CHAIN)
FOLMIN*	VDSMIN2* VDSMINR	SC1	VDSMIN2K	PULSMIN PULDMIN	-	'MINKEY2°/4°/6° (OFFSET KEY) & 'TCMIN' (TIMING CHAIN)
FOLMIN*	VDSMIN2* VDSMINR	SC1	VDSMIN2K	PULSMIN PULDMIN	-	'MINKEY2°/4°/6° (OFFSET KEY) & 'TCMIN' (TIMING CHAIN)
FOLMIN*	VDSMIN2* VDSMINR	SC1	VDSMIN2K	PULSMIN PULDMIN	-	'MINKEY2°/4°/6° (OFFSET KEY) & 'TCMIN' (TIMING CHAIN)
FOLMIN*	VDSMIN2* VDSMINR	SC1	VDSMIN2K	PULSMIN PULDMIN	-	'MINKEY2°/4°/6° (OFFSET KEY) & 'TCMIN' (TIMING CHAIN)
FOLMIN*	VDSMIN2* VDSMINR	SC1	VDSMIN2K	PULSMIN PULDMIN	-	'MINKEY2°/4°/6° (OFFSET KEY) & 'TCMIN' (TIMING CHAIN)
FOLMIN*	VDSMIN2* VDSMINR	SC1	VDSMIN2K	PULSMIN PULDMIN	-	'MINKEY2°/4°/6° (OFFSET KEY) & 'TCMIN' (TIMING CHAIN)
FOLMIN*	VDSMIN2* VDSMINR	SC1	VDSMIN2K	PULSMIN PULDMIN	-	'MINKEY2°/4°/6° (OFFSET KEY) & 'TCMIN' (TIMING CHAIN)
FOLMIN*	VDSMIN2* VDSMINR	SC1	VDSMIN2K	PULSMIN PULDMIN	-	'MINKEY2°/4°/6° (OFFSET KEY) & 'TCMIN' (TIMING CHAIN)
FOLMIN*	VDSMIN2* VDSMINR	SC1	VDSMIN2K	PULSMIN PULDMIN	-	'MINKEY2°/4°/6° (OFFSET KEY) & 'TCMIN' (TIMING CHAIN)

As well as a camshaft, timing disc and cam lube, items followed by a "*" are included in a kit. Please see rear of catalogue for further details of each part number/s.



BMC

B SERIES MGA / MGB

Valve lifts quoted assume a rocker ratio of 1.42:1

CAM CODE CAM KIT CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT INLET/EXHAUST	TIMING	FULL LIFT INL ATDC EXH BTDC	LIFT AT TDC		VALVE CLEARANCE	
								with clearance INLET/EXHAUST		INLET/EXHAUST	
BBP255 KBBP255	Mild Road	1000-6000	8BHP	270° 252°	.405" .389" 10.29mm 9.88mm	27 - 63 64 - 28	108°	.072" .059" 1.83mm 1.50mm	.012" .014" .30mm .35mm		
BBP270 KBBP270	Fast Road	1500-6500	12BHP	276° 276°	.405" .403" 10.29mm 10.23mm	31 - 65 65 - 31	107°	.085" .075" 2.16mm 1.90mm	.014" .016" .35mm .40mm		
BBP285 KBBP285	Ultimate Road	2000-6750	18BHP	278° 278°	.445" .445" 11.30mm 11.30mm	32 - 66 66 - 32	107°	.097" .097" 2.46mm 2.46mm	.014" .014" .35mm .35mm		
BBP300 KBBP300	Rally	2500-7000	-	310° 310°	.460" .458" 11.68mm 11.63mm	49 - 81 81 - 49	106°	.166" .164" 4.22mm 4.17mm	.016" .018" .40mm .45mm		
BBP320 KBBP320	Race	3000-7500	-	312° 312°	.465" .465" 11.81mm 11.81mm	53 - 79 79 - 53	103°	.175" .175" 4.45mm 4.45mm	.014" .014" .35mm .35mm		
B929	Race	2500-7000	-	300° 300°	.360" .360" 9.13mm 9.13mm	44 - 76 76 - 44	106°	.199" .133" 3.02mm 3.38mm	.014" .016" .35mm .40mm		
B851	Ultimate Road	3500-7800	-	328° 328°	.537" .535" 13.65mm 13.60mm	60 - 88 88 - 60	104°	.200" .198" 5.07mm 5.04mm	.015" .017" .38mm .43mm		
B714	Fast Road	2000-6000	-	268° 268°	.339" .339" 8.60mm 8.60mm	24 - 64 59 - 29	110°	.064" .084" 1.61mm 2.12mm	.017" .017" .43mm .43mm		
B864	Ultimate Road	2500-6500	-	288° 288°	.359" .359" 9.13mm 9.13mm	46 - 62 66 - 42	98°	.109" .081" 2.77mm 2.06mm	.017" .017" .43mm .43mm		
B770	Rally	3000-7000	-	300° 310°	.445" .445" 11.30mm 11.30mm	50 - 70 75 - 45	100°	.153" .129" 3.89mm 3.28mm	.018" .018" .45mm .45mm		
B862	Race Sprint	3500-7500	-	320° 300°	.445" .445" 11.30mm 11.30mm	60 - 80 75 - 45	100°	.182" .129" 4.72mm 3.28mm	.018" .018" .45mm .45mm		
B863	Race Supersprint	4000-8000	-	320° 320°	.455" .455" 11.30mm 11.30mm	60 - 80 80 - 60	100°	.182" .182" 4.72mm 4.72mm	.018" .018" .45mm .45mm		

Please note:

The cam kit includes post '71 '18v' followers (FOLB) and valve springs (VSSB), please confirm if you require pre '71 followers (FOLB2) and valve springs (VDSB2) when ordering.

All MGB steel billet cams have cross drilled distributor drive gears to aid lubrication.

Reprofile option - profiles may vary from specifications listed.

Image below shows kit 'KBB270'



CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
FOLB* FOLB2	VSSB* VDSB2	-	-	PULSB PULSBS	-	
FOLB* FOLB2	VSSB* VDSB2	-	-	PULSB PULSBS	-	
FOLB* FOLB2	VSSB* VDSB2	-	-	PULSB PULSBS	-	
FOLB* FOLB2	VSSB* VDSB2	-	-	PULSB PULSBS	-	
FOLB* FOLB2	VSSB* VDSB2	-	-	PULSB PULSBS	-	
FOLB* FOLB2	VSSB* VDSB2	-	-	PULSB PULSBS	-	Standard lift, long duration.
FOLB* FOLB2	VSSB* VDSB2	-	-	PULSB PULSBS	-	For use with MGC diameter followers only.
FOLB* FOLB2	VSSB* VDSB2	-	-	PULSB PULSBS	-	
FOLB* FOLB2	VSSB* VDSB2	-	-	PULSB PULSBS	-	
FOLB* FOLB2	VSSB* VDSB2	-	-	PULSB PULSBS	-	
FOLB* FOLB2	VSSB* VDSB2	-	-	PULSB PULSBS	-	
FOLB* FOLB2	VSSB* VDSB2	-	-	PULSB PULSBS	-	

As well as a camshaft, timing disc and cam lube, items followed by a '*' are included in a kit.
Please see rear of catalogue for further details of each part number/s.



BMW

E30 2002 / 316 / 318 M10

CAM CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT INLET/EXHAUST		TIMING	FULL LIFT INL ATDC EXH BTDC		LIFT AT TDC <small>with clearance</small> INLET/EXHAUST		VALVE CLEARANCE INLET/EXHAUST	
BMW4BP270	Fast Road	2000-6500	10BHP	268° 268°	.396" 10.06mm	.396" 10.06mm	24 - 64 64 - 24	110°		N/A	N/A	.010" .25mm	.010" .25mm
BMW4BP285	Ultimate Road	2500-7000	16BHP	292° 292°	.400" 10.16mm	.400" 10.16mm	36 - 76 76 - 36	110°		N/A	N/A	.010" .25mm	.010" .25mm

E36 318i M40

Valve lifts quoted assume a rocker ratio of 1.73:1

BMW40BP270H	Fast Road	1500-6000	10BHP	264° 264°	.450" 11.43mm	.450" 11.43mm	22 - 62 62 - 22	110°		N/A	N/A	HYDRAULIC	
BMW40BP285H	Ultimate Road	2000-6500	14BHP	278° 278°	.475" 12.07mm	.475" 12.07mm	31 - 67 67 - 31	108°		N/A	N/A	HYDRAULIC	

E36 318 IS 16v M42

Valve lifts quoted assume a rocker ratio of 1:1

BMWISBP270	Fast Road	1500-6000	10BHP	264° 264°	.400" 10.16mm	.400" 10.16mm	22 - 62 62 - 22	110° 110°		.042" 1.07mm	.042" 1.07mm	HYDRAULIC	
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E36 318 Z3 16v M44

Valve lifts quoted assume a rocker ratio of 1.7:1

BMW44BP270	Fast Road	1500-6000	10BHP	264° 268°	.404" 10.25mm	.404" 10.25mm	30 - 54 60 - 28	102° 106°		.071" 1.80mm	.049" 1.26mm	HYDRAULIC	
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E30 320 / 323 / 325 / SMALL SIX M20

Valve lifts quoted assume a rocker ratio of 1.56:1

BMWS6BP270	Fast Road	1500-6500	12BHP	274° 274°	.410" 10.41mm	.410" 10.41mm	27 - 67 67 - 27	110°		N/A	N/A	.010" .25mm	.010" .25mm
BMWS6BP285	Ultimate Road	2200-7000	14BHP	292° 292°	.420" 10.66mm	.420" 10.66mm	36 - 76 76 - 36	110°		N/A	N/A	.010" .25mm	.010" .25mm
BMWS6BP300	Rally	2500-7500	-	300° 300°	.430" 10.92mm	.428" 10.87mm	44 - 76 78 - 42	107°		N/A	N/A	.008" .20mm	.010" .25mm

528 / 530 / 535 LARGE SIX

Valve lifts quoted assume a rocker ratio of 1.29:1

BMW6BP270	Fast Road	1500-6500	12BHP	280° 276°	.390" 9.91mm	.400" 10.16mm	26 - 74 72 - 24	114°		N/A	N/A	.016" .40mm	.016" .40mm
BMW6BP285	Ultimate Road	2200-7000	18BHP	288° 288°	.400" 10.16mm	.400" 10.16mm	34 - 74 74 - 34	110°		N/A	N/A	.010" .25mm	.010" .25mm

Please note:

528 / 530 / 535 LARGE SIX - see diagram under 'other/notes' and confirm requirements when ordering

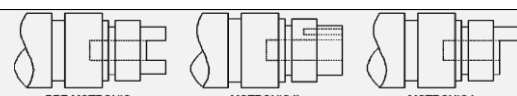
CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
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-	-	-	-	-	-	

FIAT UNO TURBO & PUNTO GT

Valve lifts quoted assume a rocker ratio of 1:1

CAM CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT INLET/EXHAUST		TIMING	FULL LIFT INL ATDC EXH BTDC		LIFT AT TDC with clearance INLET/EXHAUST		VALVE CLEARANCE INLET/EXHAUST		CAM FOLLOWERS
FIAUNOTBP270	Fast Road	1000-6000	15BHP	270° 250°	.409" 10.40mm	.364" 9.00mm	23 - 67 57 - 13	112°		.053" 1.35mm	.022" 0.56mm	.016" .40mm	.018" .45mm	-
FIAUNOTBP285	Ultimate Road	2000-7000	20BHP	276° 250°	.433" 11.00mm	.374" 9.45mm	26 - 70 57 - 13	112°		.071" 1.80mm	.022" 0.56mm	.016" .40mm	.018" .45mm	-
FIAUNOTBP300	Rally	2600-7500	-	280° 258°	.452" 11.50mm	.393" 9.98mm	30 - 70 59 - 19	110°		.123" 3.12mm	.057" 1.45mm	.016" .40mm	.018" .45mm	-

X19 / 128 1.3 / 1.5 SOHC

Valve lifts quoted assume a rocker ratio of 1:1

FIAX19BP270	Fast Road	2000-6500	10BHP	280° 280°	.385" 9.80mm	.385" 9.80mm	33 - 67 67 - 33	107°		.103" 2.61mm	.097" 2.46mm	.008" .20mm	.010" .25mm	-
FIAX19BP285	Ultimate Road	2500-7300	15BHP	288° 288°	.410" 10.40mm	.410" 10.40mm	36 - 72 72 - 36	108°		.107" 2.72mm	.105" 2.67mm	.008" .20mm	.010" .25mm	-
FIAX19BP300	Rally	3000-7800	-	290° 290°	.440" 11.18mm	.440" 11.18mm	39 - 71 71 - 39	106°		.156" 3.96mm	.154" 3.91mm	.010" .25mm	.012" .30mm	-
FIAX19BP320	Race	3500-8000	-	316° 316°	.440" 11.18mm	.440" 11.18mm	53 - 83 83 - 53	105°		.166" 4.22mm	.164" 4.26mm	.010" .25mm	.012" .30mm	-

TWIN CAM 1.6 / 1.8 / 2.0

Valve lifts quoted assume a rocker ratio of 1:1

FIATTCBP270	Fast Road	2000-6500	10BHP	280° 280°	.385" 9.80mm	.385" 9.80mm	32 - 68 68 - 32	108° 108°		.099" 2.51mm	.097" 2.46mm	.008" .20mm	.010" .25mm	-
FIATTCBP285	Ultimate Road	2500-7000	15BHP	288° 288°	.410" 10.40mm	.410" 10.40mm	36 - 72 72 - 36	108° 108°		.107" 2.72mm	.105" 2.67mm	.008" .20mm	.010" .25mm	-
FIATTCBP300	Rally	3000-7500	-	290° 290°	.440" 11.18mm	.440" 11.18mm	39 - 71 71 - 39	106° 106°		.156" 3.96mm	.154" 3.91mm	.008" .20mm	.010" .25mm	-
FIATTCBP320	Race	3500-8000	-	304° 304°	.472" 11.98mm	.470" 11.93mm	48 - 76 76 - 48	104° 106°		.178" 4.51mm	.166" 4.21mm	.008" .20mm	.010" .25mm	-

1.2 16V

Valve lifts quoted assume a rocker ratio of 1:1

FIAT12BP270	Fast Road	2000-6500	8BHP	248° 248°	.320" 8.13mm	.320" 8.13mm	14 - 54 54 - 14	110° 110°		.016" 0.40mm	.016" 0.40mm	HYDRAULIC	-
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Please note:

Reprofile option - profiles may vary from specifications listed.

TWIN CAM 1.6 / 1.8 / 2.0 - available with or without distributor gear.

Please see rear of

VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
VDSPUN	-	-	PULDUNO	TBP1 TBP2	
VDSPUN	-	-	PULDUNO	TBP1 TBP2	
VDSPUN	-	-	PULDUNO	TBP1 TBP2	

-	-	-	PULDX19	TBP1	
-	-	-	PULDX19	TBP1	
-	-	-	PULDX19	TBP1	
-	-	-	PULDX19	TBP1	

VDSFTC	-	-	PULDFTC	TBP3	
VDSFTC	-	-	PULDFTC	TBP3	
VDSFTC	-	-	PULDFTC	TBP3	
VDSFTC	-	-	PULDFTC	TBP3	

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catalogue for further details of each part number/s.

Ford

X FLOW 1300 / 1600

Valve lifts quoted assume a rocker ratio of 1.5:1

CAM CODE CAM KIT CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT INLET/EXHAUST	TIMING	FULL LIFT		LIFT AT TDC		VALVE CLEARANCE		CAM FOLLOWERS
							INL ATDC	EXH BTDC	with clearance INLET/EXHAUST		INLET/EXHAUST		
XFBP255 KBXFBP255	Mild Road Ideal for Autotest where low down torque is required. No other engine mods required.	1000-6000	8BHP	260° 260°	.384" .384" 9.75mm 9.75mm	21 - 59 59 - 21	109°		.048" .048" 1.22mm 1.22mm	.018" .018" .45mm .45mm	FOLFW* FOLFN		
XFBP270 KBXFBP270	Fast Road Excellent power & torque with smooth idle. Ideal with twin carbs and 4:2:1 manifold.	1500-6500	12BHP	268° 268°	.415" .413" 10.54mm 10.49mm	26 - 62 62 - 26	108°		.070" .068" 1.78mm 1.72mm	.014" .014" .35mm .35mm	FOLFW* FOLFN		
XFBP285 KBXFBP285	Ultimate Road Massive improvements in mid range and top end power. No machining required.	2500-7500	18BHP	292° 292°	.430" .430" 10.92mm 10.92mm	38 - 74 74 - 38	108°		.086" .086" 2.18mm 2.18mm	.014" .014" .35mm .35mm	FOLFW* FOLFN		
XFBP300 KBXFBP300	Rally For use in well modified engines where serious power and 'thumping' mid range torque is required.	3000-8000	-	316° 316°	.459" .459" 11.66mm 11.66mm	54 - 82 82 - 54	104°		.177" .177" 4.50mm 4.50mm	.015" .015" .38mm .38mm	FOLFW* FOLFN		
XFBP320 KBXFBP320	Race The ultimate race profile. Designed to give phenomenal top end power and a wide power band.	4000-8500	-	320° 320°	.493" .493" 12.52mm 12.52mm	57 - 83 83 - 57	103°		.186" .186" 4.72mm 4.72mm	.014" .014" .35mm .35mm	FOLFW* FOLFN		
XF391	1300 Stockrod This is the hottest profile that can be installed without machining.	3000-7000	-	296° 296°	.440" .440" 11.18mm 11.18mm	38 - 78 78 - 38	110°		.104" .104" 2.64mm 2.64mm	.018" .018" .45mm .45mm	FOLFW* FOLFN		
XFA6	Race	-	-	324° 324°	.410" .408" 10.42mm 10.37mm	56 - 88 88 - 56	106°		.154" .152" 3.91mm 3.86mm	.016" .018" .40mm .45mm	FOLFW* FOLFN		
XFA8	Race	-	-	332° 332°	.411" .409" 10.43mm 10.38mm	66 - 88 88 - 66	100°		.171" .169" 4.34mm 4.29mm	.017" .019" .43mm .48mm	FOLFW* FOLFN		
XFA9	Race	-	-	336° 336°	.441" .439" 11.19mm 11.14mm	64 - 92 92 - 64	104°		.169" .167" 4.29mm 4.24mm	.017" .019" .43mm .48mm	FOLFW* FOLFN		

Please note:

Reprofile option - profiles may vary from specifications listed.

**As well as a cam
Please see rear**



VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
VSSF*	-	VDSF2K	PULSXF	-	'VSOXF' (STEM SEAL) 'XFDOW3°/5°/7°/9°' (OFFSET KEY) & 'TCXF' (CHAIN)
VSSF*	-	VDSF2K	PULSXF	-	'VSOXF' (STEM SEAL) 'XFDOW3°/5°/7°/9°' (OFFSET KEY) & 'TCXF' (CHAIN)
VDSFBPR*	SC10*	VDSFBPR*	PULSXF	-	'VSOXF' (STEM SEAL) 'XFDOW3°/5°/7°/9°' (OFFSET KEY) & 'TCXF' (CHAIN)
VDSFBPR*	SC10*	VDSFBPR*	PULSXF	-	'VSOXF' (STEM SEAL) 'XFDOW3°/5°/7°/9°' (OFFSET KEY) & 'TCXF' (CHAIN)
VDSFBPR*	SC10*	VDSFBPRK	PULSXF	-	'VSOXF' (STEM SEAL) 'XFDOW3°/5°/7°/9°' (OFFSET KEY) & 'TCXF' (CHAIN)
VDSFBPR	SC10	VDSFBPRK	PULSXF	-	'VSOXF' (STEM SEAL) 'XFDOW3°/5°/7°/9°' (OFFSET KEY) & 'TCXF' (CHAIN)
VDSFBPR	SC10	VDSFBPRK	PULSXF	-	'VSOXF' (STEM SEAL) 'XFDOW3°/5°/7°/9°' (OFFSET KEY) & 'TCXF' (CHAIN)
VDSFBPR	SC10	VDSFBPRK	PULSXF	-	'VSOXF' (STEM SEAL) 'XFDOW3°/5°/7°/9°' (OFFSET KEY) & 'TCXF' (CHAIN)
VDSFBPR	SC10	VDSFBPRK	PULSXF	-	'VSOXF' (STEM SEAL) 'XFDOW3°/5°/7°/9°' (OFFSET KEY) & 'TCXF' (CHAIN)

mshaft, timing disc and cam lube, items followed by a "*" are included in a kit.
of catalogue for further details of each part number/s.



FORD

1600 / 1800 / 2000 SOHC 'PINTO'

Valve lifts quoted assume a rocker ratio of 1.65:1

CAM CODE CAM KIT CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT INLET/EXHAUST		TIMING	FULL LIFT INL ATDC EXH BTDC		LIFT AT TDC with clearance INLET/EXHAUST		VALVE CLEARANCE INLET/EXHAUST	
OHCBP255 KBOHC255	Mild Road Gives improvements in torque throughout the rev range. Ideal for towing. No other engine mods.	1500-6000	8BHP	268° 268°	.400" .400" 10.16mm 10.16mm	21 - 67 67 - 21	113°	N/A N/A	.008" .010" .20mm .25mm				
OHC134 KBOHC134	Fast Road Injection Excellent power and torque increase combined with smooth idle.	2000-6500	15BHP	266° 266°	.480" .480" 12.19mm 12.19mm	23 - 63 63 - 23	110°	N/A N/A	.008" .010" .20mm .25mm				
OHCBP270T KBOHC270T	Fast Road Turbo, gives excellent power and torque increase combined with a smooth idle.	2000-6500	-	268° 268°	.441" .439" 11.20mm 11.15mm	24 - 64 64 - 24	110°	N/A N/A	.008" .010" .20mm .25mm				
OHCBP270 KBOHC270	Fast Road Carb For use in carburettor engines, gives excellent power and torque increase combined with a smooth idle.	2000-6500	15BHP	268° 268°	.430" .430" 10.92mm 10.92mm	23 - 65 65 - 23	111°	N/A N/A	.008" .010" .20mm .25mm				
OHCBP285 KBOHC285	Ultimate Road Excellend mid range and top end power and torque. Good with std carb, ideal with 2 x 45DCOE's.	2200-7000	22BHP	270° 290°	.465" .465" 11.81mm 11.81mm	27 - 63 73 - 37	108°	N/A N/A	.008" .010" .20mm .25mm				
OHCBP300 KBOHC300	Rally Phenomenal range of torque over a wide rev range is what makes this cam the no. 1 choice for rally drivers.	2500-7500	-	292° 292°	.495" .495" 12.57mm 12.57mm	40 - 72 72 - 40	106°	N/A N/A	.008" .010" .20mm .25mm				
OHCBP320 KBOHC320	Race For circuit racing where outright power is the name of the game. Capable of producing over 220bhp in a 2ltr.	4000-8500	-	322° 322°	.540" .540" 13.70mm 13.70mm	57 - 85 85 - 57	104°	N/A N/A	.012" .012" .30mm .30mm				
OHC A8 KBOHC A8	Rally/Grass/2.0 Hot Rod	2800-7800	-	304° 304°	.500" .500" 12.70mm 12.70mm	48 - 76 76 - 48	104°	N/A N/A	.008" .010" .20mm .25mm				
OHC947 KBOHC947	F2 Superstock Fantastic oval cam gives massive torque for excellent corner acceleration.	3000-7900	-	300° 300°	.510" .510" 12.95mm 12.95mm	46 - 74 74 - 46	104°	N/A N/A	.008" .010" .20mm .25mm				
OHC1802 KBOHC1802	F2 Superstock	3000-7900	-	298° 298°	.490" .490" 12.45mm 12.45mm	43 - 75 75 - 43	106°	N/A N/A	.010" .012" .25mm .30mm				

Please note:

Kit includes standard length ball studs, 33mm studs are available at extra cost (BSTUD33).



CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
FOLOHC*	VSSOHC*	SC8A	VSSOHCK	PULDOHC PULDAUX	TBP6 TBP7	'VSOOHC'* (STEM SEALS) 'SBAR'* (SPRAY BAR) 'BSTUD'* (BALL STUD)
FOLOHC*	VSSOHC*	SC8A	VSSOHCK	PULDOHC PULDAUX	TBP6 TBP7	'VSOOHC'* (STEM SEALS) 'SBAR'* (SPRAY BAR) 'BSTUD'* (BALL STUD)
FOLOHC*	VSSOHC*	SC8A	VSSOHCK	PULDOHC PULDAUX	TBP6 TBP7	'VSOOHC'* (STEM SEALS) 'SBAR'* (SPRAY BAR) 'BSTUD'* (BALL STUD)
FOLOHC*	VSSOHC*	SC8A	VSSOHCK	PULDOHC PULDAUX	TBP6 TBP7	'VSOOHC'* (STEM SEALS) 'SBAR'* (SPRAY BAR) 'BSTUD'* (BALL STUD)
FOLOHC*	VSSOHC*	SC8A	VSSOHCK	PULDOHC PULDAUX	TBP6 TBP7	'VSOOHC'* (STEM SEALS) 'SBAR'* (SPRAY BAR) 'BSTUD'* (BALL STUD)
FOLOHC*	VSSOHC* VDSOHCRCR	SC8A SC8B	VSSOHCK VDSOHCRCR	PULDOHC PULDAUX	TBP6 TBP7	'VSOOHC'* (STEM SEALS) 'SBAR'* (SPRAY BAR) 'BSTUD'* (BALL STUD)
FOLOHC*	VSSOHC* VDSOHCRCR	SC8A SC8B	VSSOHCK VDSOHCRCR	PULDOHC PULDAUX	TBP6 TBP7	'VSOOHC'* (STEM SEALS) 'SBAR'* (SPRAY BAR) 'BSTUD'* (BALL STUD)
FOLOHC*	VSSOHC* VDSOHCRCR	SC8A SC8B	VSSOHCK VDSOHCRCR	PULDOHC PULDAUX	TBP6 TBP7	'VSOOHC'* (STEM SEALS) 'SBAR'* (SPRAY BAR) 'BSTUD'* (BALL STUD)
FOLOHC*	VSSOHC* VDSOHCRCR	SC8A SC8B	VSSOHCK VDSOHCRCR	PULDOHC PULDAUX	TBP6 TBP7	'VSOOHC'* (STEM SEALS) 'SBAR'* (SPRAY BAR) 'BSTUD'* (BALL STUD)
FOLOHC*	VSSOHC* VDSOHCRCR	SC8A SC8B	VSSOHCK VDSOHCRCR	PULDOHC PULDAUX	TBP6 TBP7	'VSOOHC'* (STEM SEALS) 'SBAR'* (SPRAY BAR) 'BSTUD'* (BALL STUD)

As well as a camshaft, timing disc and cam lube, items followed by a '*' are included in a kit.
Please see rear of catalogue for further details of each part number/s.



FORD

BDA / BDG / BDT

Valve lifts quoted assume a rocker ratio of 1:1

CAM CODE CAM KIT CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT INLET/EXHAUST		TIMING	FULL LIFT INL ATDC EXH BTDC		LIFT AT TDC with clearance INLET/EXHAUST		VALVE CLEARANCE INLET/EXHAUST	
BDAL1	-	-	-	304° 304°	.400" 10.16mm	.400" 10.16mm	46 - 78 78 - 46	106° 106°	.134" 3.40mm	.134" 3.40mm	.010" .25mm	.010" .25mm	
BDAF1	-	-	-	320° 320°	.400" 10.16mm	.400" 10.16mm	58 - 82 82 - 58	106° 106°	.163" 4.15mm	.163" 4.15mm	.010" .25mm	.010" .25mm	
BDAPH4	-	-	-	312° 312°	.427" 10.84mm	.427" 10.84mm	50 - 82 82 - 50	106° 106°	.162" 4.11mm	.162" 4.11mm	.010" .25mm	.010" .25mm	
BDABD4	-	-	-	312° 312°	.418" 10.61mm	.418" 10.61mm	54 - 78 80 - 52	106° 106°	.153" 3.88mm	.153" 3.88mm	.010" .25mm	.010" .25mm	
BDADA10	-	-	-	312° 312°	.400" 10.16mm	.400" 10.16mm	50 - 82 82 - 50	106° 106°	.144" 3.66mm	.144" 3.66mm	.010" .25mm	.010" .25mm	
BDADA19	-	-	-	304° 304°	.443" 11.24mm	.443" 11.24mm	46 - 78 78 - 46	106° 106°	.143" 3.83mm	.143" 3.83mm	.010" .25mm	.010" .25mm	

V6 3.0 'ESSEX'

Valve lifts quoted assume a rocker ratio of 1.47:1

V630BP270 KBV630BP270	Fast Road	1500-6500	18BHP	272° 272°	.403" 10.24mm	.401" 10.18mm	28 - 64 64 - 28	108°	.062" 1.57mm	.060" 1.52mm	.014" .35mm	.016" .40mm
V630BP285 KBV630BP285	Ultimate Road	2000-6500	24BHP	288° 288°	.457" 11.61mm	.455" 11.56mm	35 - 73 73 - 35	109°	.086" 2.18mm	.084" 2.13mm	.014" .35mm	.016" .40mm
V630BP300	Rally	3000-7000	-	300° 300°	.438" 11.13mm	.438" 11.13mm	42 - 78 78 - 42	108°	.115" 2.92mm	.113" 2.87mm	.014" .35mm	.016" .40mm
V630BP320	Race	3500-7500	-	320° 320°	.450" 11.43mm	.450" 11.43mm	54 - 86 86 - 54	106°	.166" 4.22mm	.164" 4.17mm	.012" .30mm	.014" .35mm

V6 2.3 / 2.8 'COLOGNE' CARB

Valve lifts quoted assume a rocker ratio of 1.47:1

V623BP270 KBV623BP270	Fast Road	1500-6500	15BHP	272° 272°	.403" 10.24mm	.403" 10.24mm	28 - 64 64 - 28	108°	.062" 1.57mm	.060" 1.52mm	.014" .35mm	.016" .40mm
V623BP285 KBV623BP285	Ultimate Road	2200-6800	20BHP	282° 272°	.416" 10.57mm	.403" 10.24mm	33 - 69 64 - 28	108°	.072" 1.83mm	.062" 1.57mm	.012" .30mm	.014" .35mm
V623BP300	Rally	3000-7000	-	300° 300°	.438" 11.13mm	.438" 11.13mm	42 - 78 78 - 42	108°	.115" 2.92mm	.113" 2.87mm	.014" .35mm	.016" .40mm
V623BP320	Race	3500-7500	-	320° 320°	.450" 11.43mm	.450" 11.43mm	54 - 86 86 - 54	106°	.166" 4.22mm	.164" 4.17mm	.012" .30mm	.014" .35mm

Please note:

V6 2.3 / 2.8 'COLOGNE' CARB - confirm size of first journal when ordering:

<1982=1.652" (41.90mm)

>1982=1.730" (43.90MM)



CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
FOLBDA	-	-	-	-	-	
FOLBDA	-	-	-	-	-	
FOLBDA	-	-	-	-	-	
FOLBDA	-	-	-	-	-	
FOLBDA	-	-	-	-	-	
FOLBDA	-	-	-	-	-	

FOLV6*	VSSV6*	-	-	-	-	
FOLV6*	VSSV6*	-	-	-	-	
FOLV6*	VSSV6*	-	-	-	-	
FOLV6*	VSSV6*	-	-	-	-	

FOLV6G*	VSSV6G*	-	-	-	-	
FOLV6G*	VSSV6G*	-	-	-	-	
FOLV6G*	VSSV6G*	-	-	-	-	
FOLV6G*	VSSV6G*	-	-	-	-	

As well as a camshaft, timing disc and cam lube, items followed by a "*" are included in a kit.
Please see rear of catalogue for further details of each part number/s.

FORD

V6 2.8 'COLOGNE' INJECTION

Valve lifts quoted assume a rocker ratio of 1.47:1

CAM CODE CAM KIT CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT		TIMING	FULL LIFT		LIFT AT TDC		VALVE CLEARANCE	
					INLET/EXHAUST	INLET/EXHAUST		INL ATDC	EXH BTDC	with clearance INLET/EXHAUST		INLET/EXHAUST	
V628BP270 KBV628BP270	Fast Road	1500-6500	15BHP	272° 272°	.403" .403" 10.24mm 10.24mm	24 - 68 68 - 24	112°	.043" .041" 1.09mm 1.04mm	.014" .016" .35mm .40mm				
V628BP285 KBV628BP285	Ultimate Road	2000-6500	20BHP	276° 276°	.422" .422" 10.72mm 10.72mm	26 - 70 70 - 26	112°	.052" .050" 1.32mm 1.27mm	.012" .014" .30mm .35mm				
V628BP300 KBV628BP300	Rally	3000-7000	-	300° 300°	.438" .438" 11.13mm 11.13mm	42 - 78 78 - 42	108°	.115" .113" 2.92mm 2.87mm	.014" .016" .35mm .40mm				
V628BP320 KBV628BP320	Race	3500-7500	-	320° 320°	.450" .450" 11.43mm 11.43mm	54 - 86 86 - 54	106°	.166" .164" 4.22mm 4.17mm	.012" .014" .30mm .35mm				

V6 2.9

Valve lifts quoted assume a rocker ratio of 1.47:1

V629BP270 KBV629BP270	Fast Road	1500-6500	14BHP	268° 268°	.403" .403" 10.24mm 10.24mm	23 - 65 65 - 23	111°	.040" .038" 1.01mm 0.96mm	.018" .020" .45mm .50mm
V629BP285 KBV629BP285	Ultimate Road	2200-6800	20BHP	290° 290°	.427" .427" 10.85mm 10.85mm	37 - 73 73 - 37	108°	.075" .073" 1.90mm 1.85mm	.012" .014" .30mm .35mm
V629BP300 KBV629BP300	Rally	3000-7000	-	300° 300°	.438" .438" 11.13mm 11.13mm	42 - 78 78 - 42	108°	.113" .111" 2.87mm 2.82mm	.016" .018" .40mm .45mm
V629BP320 KBV629BP320	Race	3500-7500	-	320° 320°	.450" .450" 11.43mm 11.43mm	54 - 86 86 - 54	106°	.164" .162" 4.17mm 4.11mm	.014" .016" .35mm .40mm
V629EURO1 KBV629EURO1	Race Eurocar Spec	3000-7300	-	300° 300°	.462" .462" 11.68mm 11.68mm	46 - 74 74 - 46	104°	.154" .152" 3.91mm 3.86mm	.016" .018" .40mm .45mm

Please note:

V6 2.8 'COLOGNE' INJECTION - confirm size of first journal when ordering.

<1982=1.652" (41.90mm) or >1982=1.730" (43.90MM)

Reprofile option - profiles may vary from specifications listed.



CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
FOLV6G*	VSSV6G*	-	-	-	-	
FOLV6G*	VSSV6G*	-	-	-	-	
FOLV6G*	VSSV6G*	-	-	-	-	
FOLV6G*	VSSV6G*	-	-	-	-	

FOLV6G*	VSSV6G*	-	-	-	-	
FOLV6G*	VSSV6G*	-	-	-	-	
FOLV6G*	VSSV6G*	-	-	-	-	
FOLV6G*	VSSV6G*	-	-	-	-	
FOLV6G*	VSSV6G*	-	-	-	-	

As well as a camshaft, timing disc and cam lube, items followed by a '*' are included in a kit.
Please see rear of catalogue for further details of each part number/s.



FORD

ESCORT / SIERRA COSWORTH 16V YB

Valve lifts quoted assume a rocker ratio of 1:1

CAM CODE CAM KIT CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT		TIMING	FULL LIFT		LIFT AT TDC		VALVE CLEARANCE	
					INLET/EXHAUST	INLET/EXHAUST		INL ATDC	EXH BTDC	with clearance INLET/EXHAUST		INLET/EXHAUST	
COSBP270HT KBCOSBP270HT	Fast Road Turbo	2000-6200	20BHP	264° 264°	.340" 8.64mm	.340" 8.64mm	20 - 64 64 - 20	112° 112°	.034" 0.86mm	.034" 0.86mm	HYDRAULIC		
COSBP285HT KBCOSBP285HT	Ultimate Road Turbo	2500-6600	-	264° 264°	.350" 8.89mm	.340" 8.64mm	22 - 62 62 - 22	110° 110°	.047" 1.19mm	.047" 1.19mm	HYDRAULIC		
COSBP300HT KBCOSBP300HT	Rally Turbo	3000-7000	-	264° 264°	.400" 10.16mm	.400" 10.16mm	26 - 58 58 - 26	106° 106°	.075" 1.90mm	.075" 1.90mm	HYDRAULIC		
COSBP320HT KBCOSBP320HT	Race Turbo	3500-7500	-	264° 264°	.428" 10.87mm	.428" 10.87mm	26 - 58 58 - 26	106° 106°	.078" 1.98mm	.078" 1.98mm	HYDRAULIC		
COS2158	Race Turbo <small>The Jenspeds Profile</small>	4500-8000	-	288° 288°	.440" 11.17mm	.438" 11.12mm	40 - 68 68 - 40	104° 104°	.126" 1.98mm	.124" 1.98mm	.008" .20mm	.010" .25mm	
COSBP270H KBCOSBP270H	Fast Road Naturally Aspirated	2000-6500	-	268° 268°	.395" 10.03mm	.367" 9.32mm	26 - 62 62 - 26	108° 108°	.067" 1.70mm	.065" 1.65mm	HYDRAULIC		
COSBP285H KBCOSBP285H	Ultimate Road Naturally Aspirated	2500-7000	-	288° 288°	.407" 10.34mm	.407" 10.34mm	36 - 72 72 - 36	108° 108°	.086" 2.18mm	.086" 2.18mm	HYDRAULIC		
COSBP285M	Ultimate Road Naturally Aspirated	2500-7000	-	274° 274°	.420" 10.67mm	.418" 10.62mm	29 - 65 65 - 29	108° 108°	.102" 2.59mm	.102" 2.59mm	.008" .20mm	.010" .25mm	
COSBP300H	Rally Naturally Aspirated	3000-7500	-	288° 280°	.440" 11.18mm	.433" 11.00mm	40 - 68 66 - 34	104° 106°	.124" 3.15mm	.100" 2.54mm	HYDRAULIC		
COSBP300M	Rally Naturally Aspirated	3000-7500	-	304° 300°	.464" 11.79mm	.420" 10.67mm	49 - 75 75 - 45	103° 105°	.182" 4.62mm	.144" 3.66mm	.010" .25mm	.010" .25mm	
COSBP320M	Race Naturally Aspirated	3500-8000	-	320° 300°	.450" 11.43mm	.448" 11.38mm	58 - 82 74 - 46	102° 104°	.193" 4.90mm	.153" 3.89mm	.008" .20mm	.010" .25mm	

Please note:

Reprofile option - profiles may vary from specifications listed.

When fitting the above cams to a **2WD** cylinder head, thrust spacers are required 'COSWASH'.



CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
FOLCOSH*	VDSCOS	SC7	VDSCOSK	PULDCOS	TBP9	
FOLCOSH*	VDSCOS	SC7	VDSCOSK	PULDCOS	TBP9	
FOLCOSH*	VDSCOS*	SC7*	VDSCOSK	PULDCOS	TBP9	
FOLCOSH*	VDSCOS*	SC7*	VDSCOSK	PULDCOS	TBP9	
FOLCOSM	VDSCOS	SC7	VDSCOSK	PULDCOS	TBP9	
FOLCOSH*	VDSCOS*	SC7*	VDSCOSK	PULDCOS	TBP9	
FOLCOSH*	VDSCOS*	SC7*	VDSCOSK	PULDCOS	TBP9	
FOLCOSM	VDSCOS	SC7	VDSCOSK	PULDCOS	TBP9	
FOLCOSH	VDSCOS	SC7	VDSCOSK	PULDCOS	TBP9	
FOLCOSM	VDSCOS	SC7	VDSCOSK	PULDCOS	TBP9	
FOLCOSM	VDSCOS	SC7	VDSCOSK	PULDCOS	TBP9	

As well as camshafts, a timing disc and cam lube, items followed by a '*' are included in a kit. Please see rear of catalogue for further details of each part number/s.



FORD

ZETEC 1.6/1.8/2.0 16v 'SILVER TOP' ESCORT / ORION MK 5-8 / FIESTA MK 3 / MONDEO MK 1

Valve lifts quoted assume a rocker ratio of 1:1

CAM CODE CAM KIT CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT INLET/EXHAUST	TIMING	FULL LIFT INL ATDC EXH BTDC	LIFT AT TDC <small>with clearance</small>	VALVE CLEARANCE
ZETABP270AH KBZETABP270AH	Fast Road Suits 1.6 90 bhp engine	1800-6800	12BHP	264° 264°	.340" .340" 8.64mm 8.64mm	22 - 62 62 - 22	110° 110°	.024" .024" 0.61mm 0.61mm	HYDRAULIC
ZETABP270BH KBZETABP270BH	Fast Road Suits 130 bhp engine	1800-6800	16BHP	264° 260°	.395" .367" 10.03mm 9.32mm	22 - 62 60 - 20	110° 110°	.058" .039" 1.47mm 0.99mm	HYDRAULIC
ZETABP285H KBZETABP285H	Ultimate Road For use with throttle bodies, gives 200bhp in 2.0 running a ported head.	2500-7500	22BHP	280° 270°	.406" .370" 10.31mm 9.40mm	36 - 64 59 - 31	104° 104°	.106" .089" 2.70mm 2.26mm	HYDRAULIC
ZETABP300M	Rally	3000-8000	-	284° 280°	.450" .425" 11.43mm 10.80mm	36 - 68 68 - 32	104° 104°	.123" .108" 3.12mm 2.75mm	.010" .012" .25mm .30mm
ZETABP320M	Race Use special tappets part no. FOLZETAM31 with shims underneath.	3500-8500	-	290° 284°	.484" .464" 12.29mm 11.79mm	41 - 69 68 - 36	104° 106°	.142" .115" 3.60mm 2.92mm	.010" .010" .25mm .25mm

RS2000 16v (150HP) GALAXY / SCORPIO 2.3i 16V (145 HP) Note lower spec std camshafts may not be the same as specs listed below if reprofiled.

Valve lifts quoted assume a rocker ratio of 1:1

RS2BP270H	Fast Road	2000-7000	10BHP	264° 264°	.428" .396" 10.87mm 10.05mm	22 - 62 62 - 22	110° 110°	.063" .058" 1.60mm 1.47mm	HYDRAULIC
RS2BP285H	Ultimate Road	2500-7500	15BHP	288° 264°	.407" .396" 10.33mm 10.05mm	34 - 74 62 - 22	110° 110°	.076" .058" 1.93mm 1.47mm	HYDRAULIC
RS2BP300H	Rally	2800-8000	-	290° 290°	.425" .425" 10.80mm 10.80mm	41 - 69 73 - 37	104° 108°	.143" .128" 3.64mm 3.18mm	HYDRAULIC
RS2BP300M	Rally	2800-8000	-	280° 280°	.423" .421" 10.74mm 10.69mm	36 - 64 66 - 34	104° 106°	.121" .110" 3.08mm 2.80mm	.010" .012" .25mm .30mm
RS2BP320M	Race	3000-8500	-	288° 284°	.470" .443" 11.94mm 11.25mm	40 - 68 68 - 36	104° 106°	.165" .137" 4.20mm 3.47mm	.010" .012" .25mm .30mm

PUMA 1.7 16v

Valve lifts quoted assume a rocker ratio of 1:1

PUMBP270	Fast Road	2000-7000	10BHP	272° 240°	.358" .304" 9.09mm 7.72mm	26 - 66 50 - 40	110° 110°	.055" .018" 1.39mm 0.40mm	.008" .012" .20mm .30mm
PUMRBP270	Fast Road Upgrade for Puma Racing.	2000-7000	10BHP	272° 248°	.368" .343" 9.35mm 8.72mm	26 - 66 54 - 14	110° 110°	.082" .024" 2.08mm 0.61mm	.008" .012" .20mm .30mm
PUMBP285	Ultimate Road	3500-8200	-	280° 272°	.368" .358" 9.35mm 9.09mm	34 - 66 64 - 28	106° 108°	.105" .061" 2.67mm 1.56mm	.010" .010" .25mm .25mm
PUMBP300	Rally	3500-8500	-	288° 276°	.441" .421" 11.19mm 10.68mm	40 - 68 64 - 32	104° 106°	.127" .095" 3.23mm 2.41mm	.008" .010" .20mm .25mm

Please note:

Reprofile option - profiles may vary from specifications listed.

All profiles designed for standard diameter tappets unless otherwise stated.

CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
FOLZETAH*	VSSZETA	SC11	VSSZETAK	PULDZETA	TBP8	
FOLZETAH*	VSSZETA	SC11	VSSZETAK	PULDZETA	TBP8	
FOLZETAH*	VSSZETA*	SC11	VSSZETAK	PULDZETA	TBP8	
FOLZETAM	VSSZETA	SC11	VSSZETAK	PULDZETA	TBP8	
FOLZETAM31	VSSZETA	SC11	VSSZETAK	PULDZETA	TBP8	

-	VSSRS2	-	-	-	-	
-	VSSRS2	-	-	-	-	
-	VSSRS2	-	-	-	-	
-	VSSRS2	-	-	-	-	
-	VSSRS2	-	-	-	-	

-	-	-	-	PULDPUM	TBP31	
-	-	-	-	PULDPUM	TBP31	
-	-	-	-	PULDPUM	TBP31	Not recommended for use with standard injection.
-	-	-	-	PULDPUM	TBP31	

As well as camshafts, a timing disc and cam lube, items followed by a ** are included in a kit. Please see rear of catalogue for further details of each part number/s.

FORD

FOCUS & FIESTA 1.25 / 1.4 / 1.6 16V - these cams are cnc ground to a standard base circle size. Our BP285 & hotter may require the head machined to allow the cam to rotate.

Valve lifts quoted assume a rocker ratio of 1:1

CAM CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT INLET/EXHAUST	TIMING	FULL LIFT INL ATDC EXH BTDC	LIFT AT TDC		VALVE CLEARANCE	
								with clearance INLET/EXHAUST		INLET/EXHAUST	
FOC12BP270	Fast Road For use in 1.25 capacity engine.	2000-7000	8BHP	232° 232°	.273" .271" 6.93mm 6.88mm	6 - 46 46 - 6	110° 110°	.008" .006" 0.21mm 0.16mm	.014" .016" .35mm .40mm		
FOC14BP270	Fast Road For use in 1.4 capacity engine.	2000-7000	8BHP	232° 232°	.300" .271" 7.62mm 6.88mm	6 - 46 46 - 6	110° 110°	.008" .006" 0.21mm 0.16mm	.012" .016" .30mm .40mm		
FOC16BP270	Fast Road For use in 1.6 capacity engine.	2000-7000	10BHP	240° 232°	.308" .280" 7.83mm 7.11mm	12 - 48 46 - 6	108° 110°	.025" .008" 0.63mm 0.20mm	.012" .014" .30mm .35mm		
FOC16BP285	Ultimate Road	3000-7500	-	272° 240°	.358" .304" 9.09mm 7.72mm	26 - 66 50 - 10	110° 110°	.055" .018" 1.39mm 0.40mm	.008" .012" .20mm .30mm		
FOC16BP300	Rally	3500-8200	-	288° 276°	.441" .421" 11.19mm 10.68mm	40 - 68 64 - 32	104° 106°	.127" .095" 3.23mm 2.41mm	.008" .010" .20mm .25mm		
FOC16BP320	Race	3800-8500	-	288° 284°	.460" .401" 11.69mm 10.19mm	42 - 66 64 - 40	102° 104°	.147" .108" 3.73mm 2.78mm	.010" .012" .25mm .30mm		

FORD Ti-VCT 1.6 16v - full lift data is achieved with timing tool installed when setting up camshaft installation.

SIGVCTBP270	Fast Road Suitable for 1.6 Ti-VCT, Remapped ECU and exhaust recommended for best results.	2000-6700	-	256° 256°	.352" .350" 8.94mm 8.89mm	12 - 88 69 - 7	140° 121°	.003" .009" 0.08mm 0.23mm	.008" .010" .20mm .25mm
SIGVCTBP285	Ultimate Road Remapped ECU and performance exhaust recommended for best results.	2000-7200	-	268° 256°	.386" .370" 9.80mm 9.40mm	6 - 94 69 - 7	140° 121°	.003" .012" 0.08mm 0.30mm	.008" .010" .20mm .25mm

NEW - FORD ECOBOOST 1.6 16v FIESTA ST180 2013 -

FECO16BP270	Fast Road	2000-7000	-	240° 224°	.327" .259" 8.30mm 6.57mm	-8 - 68 32 - 12	128° 100°	.000" .022" 0.00mm 0.55mm	.010" .016" .30mm .40mm
FECO16BP285	Ultimate Road	2000-7500	-	260° 244°	.340" .288" 8.64mm 7.32mm	2 - 78 42 - 22	128° 100°	.003" .042" 0.07mm 1.06mm	.012" .012" .30mm .30mm
FECO16BP300	Rally	2500-8000	-	272° 254°	.376" .331" 9.55mm 8.39mm	8 - 84 47 - 27	128° 100°	.008" .057" 0.22mm 1.44mm	.010" .012" .25mm .30mm
FECO16BP320	Race	2500-8500	-	276° 264°	.420" .351" 10.67mm 8.91mm	10 - 86 52 - 32	128° 100°	.010" .094" 0.27mm 2.39mm	.010" .012" .25mm .30mm

NEW - FORD ECOBOOST 2.0 16v FOCUS ST 2012 -

FECO20BP255	Mild Road	1800-6500	-	244° 234°	.340" .315" 8.64mm 8.01mm	-7 - 71 41 - 13	129° 104°	.004" .023" 0.11mm 0.57mm	.010" .012" .25mm .30mm
FECO20BP270	Fast Road	2000-7000	-	256° 244°	.378" .336" 9.60mm 8.53mm	-1 - 77 46 - 18	129° 104°	.004" .035" 0.10mm 0.89mm	.010" .014" .25mm .356mm
FECO20BP285	Ultimate Road	2000-7500	-	264° 256°	.427" .382" 10.85mm 9.70mm	3 - 81 52 - 24	129° 104°	.006" .052" 0.14mm 1.33mm	.010" .012" .25mm .30mm
FECO20BP300	Rally	3000-8000	-	272° 268°	.443" .425" 11.25mm 10.80mm	7 - 85 58 - 30	129° 104°	.009" .082" 0.23mm 2.08mm	.010" .012" .254mm .305mm

ZETEC 1.8/2.0 16v 'BLACK TOP' FOCUS / MONDEO (05/98 ON) with 27.5mm dia biscuit shims

Valve lifts quoted assume a rocker ratio of 1:1

FOC20BP270	Fast Road	1800-7000	12BHP	260° 248°	.372" .345" 9.45mm 8.76mm	20 - 60 54 - 14	110° 110°	.045" .024" 1.14mm 0.61mm	.010" .012" .25mm .30mm
FOC20BP285	Ultimate Road	2500-7500	-	264° 256°	.382" .361" 9.71mm 9.18mm	24 - 60 56 - 20	108° 108°	.063" .045" 1.60mm 1.14mm	.010" .012" .25mm .30mm
FOC20BP300	Rally	2000-8000	-	280° 280°	.423" .421" 10.74mm 10.69mm	36 - 64 66 - 34	104° 106°	.121" .110" 3.08mm 2.80mm	.010" .012" .25mm .30mm
FOC20BP320	Race	3000-8500	-	288° 284°	.460" .443" 11.68mm 11.25mm	40 - 68 68 - 36	104° 106°	.137" .137" 3.48mm 3.48mm	.010" .010" .25mm .25mm

CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
-	VSSFOC16	SC24	VSSFOC16K	PULDFOC	TBP31	
-	VSSFOC16	SC24	VSSFOC16K	PULDFOC	TBP31	
-	VSSFOC16	SC24	VSSFOC16K	PULDFOC	TBP31	
-	VSSFOC16	SC24	VSSFOC16K	PULDFOC	TBP31	Not recommended for use with std injection. Piper valve springs 'VSSFOC16' must be used.
-	VSSFOC16	SC24	VSSFOC16K	PULDFOC	TBP31	Not recommended for use with std injection. Piper valve springs 'VSSFOC16' must be used.
-	VSSFOC16	SC24	VSSFOC16K	PULDFOC	TBP31	Not recommended for use with std injection. Piper valve springs 'VSSFOC16' must be used.

-	-	-	-	-	TBP48	
-	-	-	-	-	TBP48	

-	VSSFECO16	SC80	VSSFECO16K	-	-	Suitable for use with std oe valve springs (piper uprated available)
-	VSSFECO16	SC80	VSSFECO16K	-	-	Suitable for use with std oe valve springs (piper uprated available)
-	VSSFECO16	SC80	VSSFECO16K	-	-	Suitable for use with std oe valve springs (piper uprated available)
-	VSSFECO16	SC80	VSSFECO16K	-	-	Suitable for use with std oe valve springs (piper uprated available)

-	VSSFECO20	SC78	VSSFECO20K	-	-	
-	VSSFECO20	SC78	VSSFECO20K	-	-	
-	VSSFECO20	SC78	VSSFECO20K	-	-	
-	VSSFECO20	SC78	VSSFECO20K	-	-	

FOLST170	VSSZETA34	SC37	VSSZETA34K	PULDZETA	TBP30	
FOLST170	VSSZETA34	SC37	VSSZETA34K	PULDZETA	TBP30	
FOLST170	VSSZETA34	SC37	VSSZETA34K	PULDZETA	TBP30	
FOLST170	VSSZETA34	SC37	VSSZETA34K	PULDZETA	TBP30	

Please see rear of catalogue for further details of each part number/s.

FORD

DURATEC 1.8 / 2.0 / 2.3 16v / FIESTA ST150 / MONDEO Mk3 / 2005 FOCUS 2.0 16v

Valve lifts quoted assume a rocker ratio of 1:1

CAM CODE CAM KIT CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT		TIMING	FULL LIFT		LIFT AT TDC		VALVE CLEARANCE	
					INLET/EXHAUST	INLET/EXHAUST		INL ATDC	EXH BTDC	with clearance INLET/EXHAUST		INLET/EXHAUST	
DURBP270 KBDURBP270	Fast Road Straight forward installation.	1800-6800	12BHP	260° 244°	.383" 9.73mm	.348" 8.84mm	17 - 63 48 - 17	113° 105°	.034" 0.87mm	.034" 0.87mm	.008" .20mm	.010" .25mm	
DUR1892 KBDUR1892	For use with throttle bodies & 'VSSDUR' springs.	2000-7200	-	276° 276°	.402" 10.21mm	.400" 10.16mm	30 - 66 66 - 30	108° 108°	.084" 2.13mm	.082" 2.08mm	.008" .20mm	.010" .25mm	
DURBP285 KBDURBP285	Ultimate Road For use with throttle bodies. Piper single valve springs, VSSDUR, must be used.	3000-7000	-	296° 288°	.460" 11.68mm	.420" 10.67mm	46 - 70 68 - 40	102° 104°	.154" 3.91mm	.116" 2.95mm	.010" .25mm	.012" .30mm	
DUR2170 KBDUR2170	National Hot Road For use with throttle bodies. Piper double valve springs, VSDUR, must be used.	2500-7800	-	280° 272°	.492" 12.49mm	.450" 11.42mm	36 - 64 60 - 32	104° 104°	.152" 3.85mm	.126" 3.20mm	.008" .20mm	.010" .25mm	
DURBP300 KBDURBP300	Rally For use with throttle bodies. Piper double valve springs, VSDUR, must be used.	3000-8000	-	296° 288°	.490" 12.45mm	.458" 11.64mm	46 - 70 68 - 40	102° 104°	.165" 4.19mm	.130" 3.30mm	.010" .25mm	.012" .30mm	
DURBP320 KBDURBP320	Race For use with throttle bodies. Piper double valve springs, VSDUR, must be used.	3500-8500	-	300° 288°	.517" 13.13mm	.485" 12.32mm	48 - 72 68 - 40	102° 104°	.207" 5.26mm	.152" 3.85mm	.010" .25mm	.012" .30mm	

NEW - FOCUS ST225 & FOCUS RS - 5 CYLINDER

Valve lifts quoted assume a rocker ratio of 1:1

FOC225BP270	Fast Road	2000-7000	-	252° 256°	.334" 8.48mm	.348" 8.83mm	16 - 56 58 - 18	110° 110°	.020" 0.50mm	.038" 0.97mm	.008" .20mm	.012" .30mm
FOC225BP285	Ultimate Road	2500-7500	-	264° 256°	.358" 9.09mm	.348" 8.84mm	22 - 62 58 - 18	110° 110°	.042" 1.07mm	.038" 0.97mm	.008" .20mm	.012" .30mm

FOCUS 2.0 16V ST170 (Not to be used with the VVT system activated)

Valve lifts quoted assume a rocker ratio of 1:1

FOCSTBP270T	Fast road Turbo	1800-6800	-	268° 248°	.417" 10.59mm	.345" 8.76mm	24 - 64 54 - 14	110° 110°	.064" 1.63mm	.026" 0.67mm	.008" .20mm	.010" .25mm
FOCSTBP270	Fast road	2000-7000	-	272° 268°	.440" 11.18mm	.418" 10.62mm	30 - 62 60 - 28	106° 106°	.090" 2.29mm	.075" 1.91mm	.010" .25mm	.012" .30mm
FOCSTBP285	Ultimate Road	2500-7500	-	280° 264°	.425" 10.80mm	.380" 9.66mm	34 - 66 58 - 26	106° 106°	.101" 2.57mm	.069" 1.75mm	.010" .25mm	.012" .30mm
FOCSTBP300	Rally	3000-8000	-	284° 272°	.450" 11.44mm	.413" 10.50mm	38 - 66 60 - 32	104° 104°	.122" 3.10mm	.086" 2.18mm	.010" .25mm	.012" .30mm

Ford Focus RS Mk1 2.0 Turbo

Valve lifts quoted assume a rocker ratio of 1:1

FOCRSBP270	Fast Road	1800-7000	18BHP	260° 260°	.370" 9.40mm	.368" 9.35mm	20 - 60 60 - 20	110° 110°	.046" 1.16mm	.044" 1.11mm	.010" .25mm	.012" .30mm
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Please note:

DURATEC 1.8 / 2.0 / 2.3 16v - all profiles CNC ground to standard base circle size and designed for standard diameter tappets.

CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
-	VSSDUR*	SC20B*	VSSDURK	PULSDUR	-	
-	VSSDUR*	SC20B*	VSSDURK	PULSDUR	-	These are the hottest profile that can be fitted without machining pistons.
-	VSSDUR*	SC20B*	VSSDURK	PULSDUR	-	
-	VDS DUR*	SC22*	VDS DURK	PULSDUR	-	'VSODUR*' (OIL SEALS) & 'SSDUR*' (SPRING SEATS)
-	VDS DUR*	SC22*	VDS DURK	PULSDUR	-	'VSODUR*' (OIL SEALS) & 'SSDUR*' (SPRING SEATS)
-	VDS DUR*	SC22*	VDS DURK	PULSDUR	-	'VSODUR*' (OIL SEALS) & 'SSDUR*' (SPRING SEATS)

-	VSSST225	VSSST225	-	-	-	'FVTRING' (VVT CONTROL RING)
-	VSSST225	VSSST225	-	-	-	'FVTRING' (VVT CONTROL RING)

FOLST170	VSSST170	SC37	VSSST170K	PULDST170	TBP30	'FOLST170' Available with 3 choices of inner stem length.
FOLST170	VSSST170	SC37	VSSST170K	PULDST170	TBP30	'FOLST170' Available with 3 choices of inner stem length.
FOLST170	VSSST170	SC37	VSSST170K	PULDST170	TBP30	'FOLST170' Available with 3 choices of inner stem length.
FOLST170	VSSST170	SC37	VSSST170K	PULDST170	TBP30	'FOLST170' Available with 3 choices of inner stem length.

-	VSSZETA34	SC37	VSSZETA34K	PULDZETA	TBP30	
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As well as camshafts, a timing disc and cam lube, items followed by a '*' are included in a kit. Please see rear of catalogue for further details of each part number/s.

Honda

K20 CIVIC TYPE R 2.0 16V I-VTEC

CAM CODE CAM KIT CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT INLET/EXHAUST	TIMING	FULL LIFT INL ATDC EXH BTDC	LIFT AT TDC with clearance INLET/EXHAUST	VALVE CLEARANCE INLET/EXHAUST
IVTECBP300	Rally For use with throttle bodies / supercharged.	3800-9000	-	280° 300°	.335" .335"	-	108° 108°	.035" .025" 0.89mm 0.64mm	.010" .012" .25mm .30mm

Jaguar

6 CYL 3.8/4.2

Valve lifts quoted assume a rocker ratio of 1:1

JAG6BP255	Mild Road	1500-5800	8BHP	264° 264°	.400" .398" 10.17mm 10.12mm	22 - 62 62 - 22	110° 110°	.067" .065" 1.68mm 1.63mm	.010" .012" .25mm .30mm
JAG6BP270	Fast Road	2000-6000	15BHP	276° 276°	.423" .421" 10.67mm 10.62mm	28 - 68 68 - 28	110° 110°	.076" .074" 1.93mm 1.88mm	.008" .010" .20mm .25mm
JAG6BP285	Ultimate Road	2500-6500	20BHP	280° 280°	.450" .448" 11.43mm 11.38mm	30 - 70 70 - 30	110° 110°	.110" .108" 2.79mm 2.74mm	.010" .012" .25mm .30mm
JAG6BP300	Rally	2800-7000	-	280° 280°	.460" .438" 11.68mm 11.13mm	32 - 68 68 - 32	108° 108°	.126" .095" 3.20mm 2.41mm	.010" .012" .25mm .30mm
JAG6BP320	Race	3000-7500	-	296° 296°	.470" .468" 11.94mm 11.89mm	42 - 74 76 - 40	106° 108°	.156" .143" 3.96mm 3.64mm	.010" .012" .25mm .30mm
JAG6BP330	Ultimate Race	3500-8000	-	296° 292°	.520" .480" 13.21mm 12.20mm	42 - 74 72 - 40	106° 106°	.195" .162" 4.96mm 4.12mm	.010" .012" .25mm .30mm

12 CYL

Valve lifts quoted assume a rocker ratio of 1:1

JAG12BP255	Mild Road	1800-6000	20BHP	264° 264°	.400" .398" 10.17mm 10.12mm	22 - 62 62 - 22	110° 110°	.067" .065" 1.68mm 1.63mm	.010" .012" .25mm .30mm
JAG12BP270	Fast Road	2200-7000	25BHP	274° 274°	.420" .418" 10.67mm 10.62mm	27 - 67 67 - 27	110° 110°	.092" .090" 2.33mm 2.28mm	.008" .010" .20mm .25mm
JAG12BP285	Ultimate Road	2500-7500	-	280° 280°	.450" .448" 11.43mm 11.38mm	30 - 70 70 - 30	110° 110°	.110" .108" 2.79mm 2.74mm	.010" .012" .25mm .30mm

3.0 V6 (S TYPE ONLY) X Type available but need to be used with PULSJV6 sprocket kit

Valve lifts quoted assume a rocker ratio of 1:1

JAGV6BP270	Fast Road	1500-6000	20BHP	272° 264°	.376" .374" 9.55mm 9.50mm	30 - 628 60 - 24	106° 108°	.072" .049" 1.82mm 1.26mm	.010" .012" .25mm .30mm
JAGV6BP285	Ultimate Road	2000-7000	-	280° 272°	.444" .428" 11.28mm 10.87mm	36 - 64 62 - 30	104° 106°	.110" .080" 2.80mm 2.04mm	.010" .012" .25mm .30mm
JAGV6BP300	Rally	2500-7500	-	280° 280°	.463" .442" 11.75mm 11.23mm	36 - 64 66 - 34	104° 106°	.140" .102" 3.55mm 2.58mm	.008" .010" .20mm .25mm
JAGV6BP320	Race	3000-8000	-	296° 288°	.525" .500" 13.34mm 12.70mm	44 - 72 70 - 38	104° 106°	.163" .139" 4.14mm 3.53mm	.008" .010" .20mm .25mm

Please note:

Reprofile option - profiles may vary from specifications listed.

CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
-	-	-	-	-	-	

-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	VDSJAG6	SC55	VDSJAG6K	-	-	
-	VDSJAG6	SC55	VDSJAG6K	-	-	
-	VDSJAG6	SC55	VDSJAG6K	-	-	Available as a steel billet only.

-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	

-	-	-	VSSJV6	-	-	
FOLJV6	-	-	VSSJV6	PULSJV6	-	Use with 'FOLJV6' followers (shim under bucket type). Not suitable with VVT.
FOLJV6	-	-	VDSJV6	PULSJV6	-	Use with 'FOLJV6' followers (shim under bucket type). Not suitable with VVT.
FOLJV6	-	-	VDSJV6	PULSJV6	-	Use with 'FOLJV6' followers (shim under bucket type). Not suitable with VVT.

Please see rear of catalogue for further details of each part number/s.

Lancia

DELTA INTEGRALE 16V TURBO

Valve lifts quoted assume a rocker ratio of 1:1

CAM CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT		TIMING	FULL LIFT		LIFT AT TDC		VALVE CLEARANCE	
					INLET/EXHAUST	INLET/EXHAUST		INL ATDC	EXH BTDC	with clearance INLET/EXHAUST		INLET/EXHAUST	
LANCTBP270	Fast Road	1500-6500	15BHP	244° 230°	.368" 9.33mm	.342" 8.69mm	12-62 45 - 5	110°	110°	.026" 0.65mm	.006" 0.15mm	.016" .40mm	.016" .40mm

Lotus

TWIN CAM 8V (note Camshafts available with or without oil groove in front journal,additional machining required to cam caps to use non grooved type)

Valve lifts quoted assume a rocker ratio of 1:1

LOTBP270	Fast Road	1500-6000	12BHP	270° 270°	.352" 8.94mm	.350" 8.89mm	25 - 65 65 - 25	110°	110°	.079" 2.00mm	.077" 1.96mm	.008" .20mm	.010" .25mm
LOTBP285	Ultimate Road	2000-7000	16BHP	280° 280°	.384" 9.75mm	.382" 9.70mm	30 - 70 70 - 30	110°	110°	.090" 2.28mm	.088" 2.23mm	.008" .20mm	.010" .25mm
LOTBP300	Rally	2500-7500	-	304° 304°	.402" 10.21mm	.402" 10.21mm	46 - 78 81 - 43	106°	109°	.136" 3.45mm	.121" 3.06mm	.008" .20mm	.010" .25mm
LOTBP320	Race	3000-8000	-	324° 324°	.451" 11.44mm	.449" 11.39mm	60 - 84 84 - 60	102°	102°	.201" 5.12mm	.199" 5.06mm	.008" .20mm	.010" .25mm

LOTUS ELISE / EXIGE - SEE ROVER K SERIES OR TOYOTA VVTLI

Mazda

MX5 1.6-1.8 NON VVT B6ZE/BP (MECHANICAL TAPPET SPECS AVAILABLE UPON REQUEST *)

Valve lifts quoted assume a rocker ratio of 1:1

MAZMX16BP270H	Fast Road 1600cc	1500-6500	10BHP	238° 256°	.336" 8.53mm	.325" 8.26mm	9 - 49 58 - 18	110°	110°	.016" 0.41mm	.028" 0.70mm	HYDRAULIC	
MAZMX16BP285H	Ultimate Road 1600cc	2000-7000	-	266° 256°	.350" 8.89mm	.350" 8.89mm	27 - 59 56 - 20	106°	108°	.059" 1.50mm	.041" 1.04mm	HYDRAULIC	
MAZMX18BP270H	Fast Road 1800cc	1500-6500	10BHP	256° 256°	.350" 8.89mm	.350" 8.89mm	18 - 58 58 - 18	110°	110°	.033" 0.84mm	.033" 0.84mm	HYDRAULIC	
MAZMX18BP285H	Ultimate Road 1800cc	2000-7000	-	256° 256°	.362" 9.20mm	.362" 9.20mm	22 - 54 56 - 20	106°	108°	.049" 1.24mm	.042" 1.06mm	HYDRAULIC	
MAZMX18BP285HT	Ultimate Road Turbo 1800cc	2000-7000	-	256° 256°	.350" 8.89mm	.350" 8.89mm	18 - 58 58 - 18	110°	110°	.033" 0.84mm	.034" 0.87mm	HYDRAULIC	

Please note:

* Piper top hat shims required to keep within service shim sizes*

Reprofile option - profiles may vary from specifications listed.

TWIN CAM 8V - available with or without oil groove to the front of the camshaft, also as a steel billet.



CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
-	-	-	-	-	-	

-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	

-	-	-	-	-	-	
-	-	-	-	-	-	Not suitable for standard injection.
-	-	-	-	-	-	
-	-	-	-	-	-	Not suitable for standard injection.
-	-	-	-	-	-	Not suitable for standard injection.

Mini

ONE / COOPER / COOPER S 2001 - 2006

Valve lifts quoted assume a rocker ratio of 1.6:1 Inlet / 1.4:1 Exhaust

CAM CODE CAM KIT CODE	APPLICATION	POWER BAND	DURATION @	DURATION	VALVE LIFT	TIMING	FULL LIFT		LIFT AT TDC		VALVE
			1mm INLET/EXHAUST	INLET/EXHAUST	INLET/EXHAUST		INL ATDC	EXH BTDC	with clearance INLET/EXHAUST	INLET/EXHAUST	CLEARANCE INLET/EXHAUST
MINIBP270	Fast Road	1500-6500	-	256° 248°	.360" .350" 9.14mm 8.89mm	16 - 60 56 - 12	112°		N/A N/A		HYDRAULIC
MINIBP300	Rally	3000-7500	-	284° 280°	.360" .350" 9.14mm 8.89mm	31 - 73 71 - 29	111°		N/A N/A		HYDRAULIC
MINIBP320	Race	3800-8000	-	282° 268°	.421" .350" 10.69mm 8.89mm	31 - 71 64 - 24	110°		N/A N/A		HYDRAULIC

Mitsubishi

EVO 10 (01/03/2008on)

Valve lifts quoted assume a rocker ratio of 1:1

MITS10STD	Standard Profile	-	223° 193°	260° 232°	.374" .327" 9.50mm 8.31mm	20 - 60 46 - 6	110° 110°	.046" .005" 1.17mm 0.13mm	.008" .012" .20mm .30mm
MITS10BP270	Fast Road	-	230° 207°	264° 240°	.400" .366" 10.16mm 9.30mm	22 - 62 50 - 10	110° 110°	.061" .016" 1.55mm 0.41mm	.008" .010" .20mm .25mm
MITS10BP285 KBMITS10285	Ultimate Road	-	232° 223°	268° 240°	.437" .394" 11.10mm 10.00mm	24 - 64 50 - 10	110° 110°	.066" .046" 1.68mm 1.17mm	.008" .010" .20mm .25mm

Please note:

Reprofile option - profiles may vary from specifications listed.



CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	

	VSSMITS10	SC47	VSSMITS10K	-	-	
-	VSSMITS10	SC47	VSSMITS10K	-	-	For use with standard valve springs (Maximum lift achievable).
-	VSSMITS10*	SC47*	VSSMITS10K	-	-	Extra high lift profile. Only Piper valve springs 'VSSMITS10' must be used.

As well as camshafts, a timing disc and cam lube, items followed by a '*' are included in a kit. Please see rear of catalogue for further details of each part number/s.



MITSUBISHI

EVO 1 - 9 (CONFIRM WHEN ORDERING)

Valve lifts quoted assume a rocker ratio of 1.724:1

CAM CODE CAM KIT CODE	APPLICATION	Power Band	DURATION @	DURATION	VALVE LIFT	TIMING	FULL LIFT	LIFT AT TDC	VALVE
			1mm	INLET/EXHAUST	INLET/EXHAUST	INLET/EXHAUST	INLET/EXHAUST	INL ATDC EXH BTDC	with clearance
			INLET/EXHAUST		INLET/EXHAUST			INLET/EXHAUST	INLET/EXHAUST
BP255 KBMITS/1/8/9/255	Fast Road	-	218° 208°	272° 256°	.425" .400" 10.80mm 10.16mm	28 - 64 55 - 21	108° 107°	.037" .029" 0.94mm 0.74mm	HYDRAULIC
BP270 KBMITS/1/8/9/270	Fast Road	-	210° 204°	264° 260°	.433" .394" 11.00mm 10.00mm	24 - 60 57 - 23	108° 107°	.028" .026" 0.71mm 0.66mm	HYDRAULIC
BP285 KBMITS/1/8/9/285	Ultimate Road	-	217° 211°	265° 265°	.453" .425" 11.50mm 10.80mm	24.5 - 60.5 60.5 - 24.5	108° 107°	.038" .041" 0.97mm 1.04mm	HYDRAULIC
BP300 KBMITS/1/8/9/300	Rally	-	217° 217°	265° 265°	.453" .453" 11.50mm 11.50mm	24.5 - 60.5 60.5 - 24.5	108° 107°	.038" .041" 0.97mm 1.04mm	HYDRAULIC
BP320 KBMITS/1/8/9/320	Race	-	224° 224°	272° 272°	.472" .472" 12.00mm 12.00mm	28 - 64 63 - 29	108° 107°	.050" .053" 1.27mm 1.35mm	HYDRAULIC
GPA KBMITS/1/8/9/GPA	Group A	-	217° 212°	265° 267°	.453" .378" 11.50mm 9.60mm	26.5 - 58.5 63 - 29	106° 108°	.045" .038" 1.14mm 0.96mm	HYDRAULIC

MECHANICAL PROFILES DESIGNED FOR COMPETITION APPLICATIONS ONLY

1744	Race Mechanical	-	230° 230°	270° 270°	.453" .453" 11.50mm 11.50mm	29 - 61 61 - 29	106° 106°	.074" .074" 1.88mm 1.88mm	.006" .008" .15mm .20mm
1743	Race Mechanical	-	236° 236°	274° 274°	.453" .453" 11.50mm 11.50mm	31 - 63 63 - 31	106° 106°	.085" .085" 2.16mm 2.16mm	.006" .008" .15mm .20mm
1742	Race Mechanical	-	232° 232°	274° 274°	.472" .472" 12.00mm 12.00mm	31 - 63 63 - 31	106° 106°	.074" .074" 1.88mm 1.88mm	.006" .008" .15mm .20mm
1741	Drag Race Mechanical	-	242° 242°	290° 290°	.472" .472" 12.00mm 12.00mm	39 - 71 71 - 39	106° 106°	.096" .096" 2.44mm 2.44mm	.006" .008" .15mm .20mm

Please note:

Confirm model camshafts are to suit when ordering:

MODEL	PART NUMBER BEGINS
EVO 1-3	KBMITS1
EVO 4-7	KBMITS
EVO 5-8	KBMITS8
EVO 9	KBMITS9



CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
MITSHLA	SC21	VSSMITS	VSSMITSK	PULDMITS PULDMITS9	TBP34	Improvement over 'MR' cams for use with standard valve springs
MITSHLA	SC21	VSSMITS	VSSMITSK	PULDMITS PULDMITS9	TBP34	Extra high lift profile, only Piper valve springs 'VSSMITS' are to be used.
MITSHLA	SC21	VSSMITS	VSSMITSK	PULDMITS PULDMITS9	TBP34	Extra high lift profile, only Piper valve springs 'VSSMITS' are to be used.
MITSHLA	SC21	VSSMITS	VSSMITSK	PULDMITS PULDMITS9	TBP34	Extra high lift profile, only Piper valve springs 'VSSMITS' are to be used.
MITSHLA	SC21	VSSMITS	VSSMITSK	PULDMITS PULDMITS9	TBP34	Extra high lift profile, only Piper valve springs 'VSSMITS' are to be used.
MITSHLA	SC21	VSSMITS	VSSMITSK	PULDMITS PULDMITS9	TBP34	Extra high lift profile, only Piper valve springs 'VSSMITS' are to be used.

MITADJM	-	-	-	-	-	Extra high lift profile, only Piper valve springs 'VSSMITS' are to be used.
MITADJM	-	-	-	-	-	Extra high lift profile, only Piper valve springs 'VSSMITS' are to be used.
MITADJM	-	-	-	-	-	Extra high lift profile, only Piper valve springs 'VSSMITS' are to be used.
MITADJM	-	-	-	-	-	Extra high lift profile, only Piper valve springs 'VSSMITS' are to be used.

As well as camshafts, a timing disc and cam lube, items followed by a "*" are included in a kit.
Please see rear of catalogue for further details of each part number/s.



NISSAN

ALMERA / PRIMERA 16v (NON ROLLER ROCKER ENGINES)

Valve lifts quoted assume a rocker ratio of 1.59:1

CAM CODE CAM KIT CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT		TIMING	FULL LIFT		LIFT AT TDC		VALVE CLEARANCE	
					INLET/EXHAUST	INLET/EXHAUST		INL ATDC	EXH BTDC	with clearance INLET/EXHAUST		INLET/EXHAUST	
NISBP270	Fast Road	1500-6800	12BHP	262° 262°	.418" 10.62mm	.418" 10.62mm	21 - 61 61 - 21	110° 110°	N/A	N/A	HYDRAULIC		
NISBP285	Ultimate Road	2500-7500	20BHP	268° 268°	.437" 11.10mm	.437" 11.1mm	24 - 64 64 - 24	110° 110°	N/A	N/A	HYDRAULIC		

ALMERA / PRIMERA 16v (ROLLER ROCKER ENGINES)

Valve lifts quoted assume a rocker ratio of 1.59:1

NISBP270R	Fast Road	1500-6800	12BHP	258° 248°	.413" 10.49mm	.413" 10.49mm	19 - 59 54 - 14	110° 110°	N/A	N/A	HYDRAULIC	
NISBP285R	Ultimate Road	2500-7500	20BHP	270° 270°	.457" 11.61mm	.457" 11.61mm	25 - 65 65 - 25	110° 110°	N/A	N/A	HYDRAULIC	

NISSAN MICRA 1.3 16v

Valve lifts quoted assume a rocker ratio of 1:1

NISMICBP270	Fast Road	1500-6800	8BHP	248° 248°	.345" 8.77mm	.343" 8.72mm	14 - 54 54 - 14	110° 110°	.027" 0.68mm	.025" 0.63mm	.010" .25mm	.012" .30mm
NISMICBP285	Ultimate Road	2500-7500	12BHP	272° 272°	.357" 9.07mm	.355" 9.02mm	30 - 62 62 - 30	106° 106°	.071" 1.80mm	.069" 1.75mm	.010" .25mm	.012" .30mm

NISSAN SUNNY / PULSAR GTiR

Valve lifts quoted assume a rocker ratio of 1.59:1

NGTIRBP270	Fast Road	2000-7200	15BHP	260° 260°	.438" 11.13mm	.438" 11.13mm	20 - 60 60 - 20	110° 110°	N/A	N/A	.010" .25mm	.012" .30mm
NGTIRBP285	Ultimate Road	2600-7800	20BHP+	278° 278°	.436" 11.13mm	.434" 11.13mm	33 - 65 65 - 33	106° 106°	N/A	N/A	.008" .20mm	.010" .25mm

NISSAN SKYLINE RB26

Valve lifts quoted assume a rocker ratio of 1:1

NSKYBP270H	Fast Road	1800-7000	20BHP+	256° 256°	.325" 8.26mm	.325" 8.26mm	18 - 58 58 - 18	110° 110°	.028" 0.70mm	.028" 0.70mm	HYDRAULIC	
NSKYBP285M	Ultimate Road	2300-7600	30BHP+	264° 264°	.344" 8.73mm	.342" 8.68mm	24 - 60 60 - 24	108° 108°	.058" 1.48mm	.056" 1.43mm	.008" .20mm	.010" .25mm

Please note:

Reprofile option - profiles may vary from specifications listed.

CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
-	-	-	-	-	-	
-	-	-	-	-	-	Not recommended for use with standard injection.

-	-	-	-	-	-	
-	-	-	-	-	-	

-	-	-	-	-	-	
-	-	-	-	-	-	

-	-	-	-	PULSSR20	-	
-	-	-	-	PULSSR20	-	

-	-	-	-	-	-	
-	-	-	-	-	-	

NISSAN

NEW - NISSAN GTR35 VR38

Valve lifts quoted assume a rocker ratio of 1:1

CAM CODE CAM KIT CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT INLET/EXHAUST		TIMING	FULL LIFT INL ATDC EXH BTDC		LIFT AT TDC with clearance INLET/EXHAUST		VALVE CLEARANCE INLET/EXHAUST	
NISGTR35BP270	Stage 1	1500-6000	-	266° 260°	.394" 10.00mm	.364" 9.25mm	7 - 79 65 - 15	126° 115°	.005" 0.12mm	.032" 0.80mm	.012" .30mm	.013" .33mm	
NISGTR35BP285	Stage 2	2000-7000	-	272° 268°	.441" 11.21mm	.426" 10.83mm	10 - 82 69 - 19	126° 115°	.009" 0.23mm	.037" 0.94mm	.012" .30mm	.013" .33mm	
NISGTR35BP300	Stage 3	2500-7500	-	280° 276°	.442" 11.23mm	.420" 10.67mm	14 - 86 73 - 23	126° 115°	.018" 0.46mm	.054" 1.37mm	.010" .25mm	.010" .25mm	
NISGTR35BP320	Stage 4	3000-8000	-	280° 284°	.433" 11.00mm	.420" 10.67mm	14 - 86 77 - 27	126° 115°	.022" 0.56mm	.067" 1.70mm	.012" .30mm	.013" .33mm	

PEUGEOT

205 / CITROEN AX 1360cc 'ALLOY BLOCK' (Many more specs available to order please ask for more information)

Valve lifts quoted assume a rocker ratio of 1.4:1 - Rocker ratio varies with base circle size. Therefore competition cams may produce more lift than quoted

No. 1 Journal size: 1.671" / 42.44mm

P13BP270 KBP13BP270	Fast Road	2000-6500	10BHP	268° 268°	.340" 8.64mm	.340" 8.64mm	25 - 63 63 - 25	109°	N/A	N/A	.010" .25mm	.010" .25mm
P13BP285 KBP13BP285	Ultimate Road	2500-7000	14BHP	284° 284°	.380" 9.65mm	.380" 9.65mm	35 - 69 69 - 35	107°	N/A	N/A	.014" .35mm	.014" .35mm
P13BP300 KBP13BP300	Rally	3000-7500	-	300° 300°	.400" 10.16mm	.400" 10.16mm	45 - 75 75 - 45	105°	N/A	N/A	.010" .25mm	.010" .25mm
P13BP320 KBP13BP320	Race	4000-8000	-	310° 310°	.410" 10.42mm	.410" 10.42mm	50 - 80 80 - 50	105°	N/A	N/A	.010" .25mm	.010" .25mm
P13660	1400 Stock Rod	3500-8000	-	306° 306°	.380" 9.65mm	.380" 9.65mm	49 - 77 77 - 49	104°	N/A	N/A	.008" .20mm	.010" .25mm
P13GPA1 KBP13GPA1	Group A Race	2500-7000	-	304° 304°	.410" 10.42mm	.410" 10.42mm	48 - 76 76 - 48	104°	N/A	N/A	.010" .25mm	.010" .25mm

106/306 1.4 Xsi 91-97 'IRON BLOCK' (Many more specs available to order please ask for more information)

Valve lifts quoted assume a rocker ratio of 1.4:1 - Rocker ratio varies with base circle size. Therefore competition cams may produce more lift than quoted

No. 1 Journal size: 1.738" / 44.15mm

P14BP270 KBP14BP270	Fast Road	1500-6500	10BHP	260° 260°	.350" 8.89mm	.350" 8.89mm	21 - 59 59 - 21	109°	N/A	N/A	.008" .20mm	.010" .25mm
P14BP270RAL KBP14BP270RAL	Fast Road Suit 106 1.6 Rallye	2000-7000	12BHP	284° 284°	.395" 10.03mm	.395" 10.03mm	34 - 70 70 - 34	108°	N/A	N/A	.010" .25mm	.012" .30mm
P14BP285 KBP14BP285	Ultimate Road	2500-7000	14BHP	284° 284°	.380" 9.65mm	.380" 9.65mm	35 - 69 69 - 35	107°	N/A	N/A	.014" .35mm	.014" .35mm
P14BP300 KBP14BP300	Rally	3000-7500	-	300° 300°	.400" 10.16mm	.400" 10.16mm	45 - 75 75 - 45	105°	N/A	N/A	.010" .25mm	.010" .25mm
P14BP320 KBP14BP320	Race	4000-8000	-	310° 310°	.410" 10.42mm	.410" 10.42mm	50 - 80 80 - 50	105°	N/A	N/A	.010" .25mm	.010" .25mm

CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	

FOLP13*	VSSP13*	-	-	PULD205	TBP11	
FOLP13*	VSSP13*	-	-	PULD205	TBP11	
FOLP13*	VSSP13*	-	-	PULD205	TBP11	
FOLP13*	VSSP13*	-	-	PULD205	TBP11	
FOLP13*	VSSP13*	-	-	PULD205	TBP11	
FOLP13*	VSSP13*	-	-	PULD205	TBP11	

FOLP13*	VSSP13*	-	-	PULD205	TBP12	
FOLP13*	VSSP13*	-	-	PULD205	TBP12	
FOLP13*	VSSP13*	-	-	PULD205	TBP12	Not recommended for use with standard injection.
FOLP13*	VSSP13*	-	-	PULD205	TBP12	
FOLP13*	VSSP13*	-	-	PULD205	TBP12	

As well as a camshaft, timing disc and cam lube, items followed by a '*' are included in a kit. Please see rear of catalogue for further details of each part number/s.

PEUGEOT

106 / 306 1.3 (Rallye) / 1.4 / 1.6 & CITROEN SAXO VTR NON-ROLLER 94 - 97 (BLACK ROCKER COVER)

Valve lifts quoted assume a rocker ratio 1.4:1

No. 1 Journal size: 1.738" / 42.44

CAM CODE CAM KIT CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT INLET/EXHAUST		TIMING	FULL LIFT INL ATDC EXH BTDC		LIFT AT TDC with clearance INLET/EXHAUST		VALVE CLEARANCE INLET/EXHAUST	
VTRBP270	Fast Road	1500-6500	10BHP	260° 260°	.350" 8.89mm	.350" 8.89mm	21 - 59 59 - 21	109°		N/A	N/A	.008" .20mm	.010" .25mm
VTRBP270RAL	Fast Road Suit 106 1.3 Rallye	2000-7000	12BHP	284° 284°	.395" 10.03mm	.395" 10.05mm	34 - 70 70 - 34	108°		N/A	N/A	.011" .25mm	.013" .30mm
VTRBP285	Ultimate Road	2000-6800	14BHP	280° 280°	.400" 10.16mm	.400" 10.16mm	32 - 68 68 - 32	108°		N/A	N/A	.008" .20mm	.010" .25mm

106 / 206 / 306 & CITROEN SAXO 1.4 & 1.6 VTR ROLLER ROCKER 97 - ON (GREY ROCKER COVER)

Valve lifts quoted assume a rocker ratio of 1.75:1

No. 1 Journal size: 1.738" / 42.44

VTRBP270R KBVTRBP270R	Fast Road	1500-6500	10BHP	258° 258°	.422" 10.71mm	.422" 10.71mm	15 - 63 63 - 15	114°		N/A	N/A	.008" .20mm	.010" .25mm
VTRBP285R KBVTRBP285R	Ultimate Road	2000-7000	14BHP	264° 264°	.422" 10.71mm	.422" 10.71mm	22 - 62 62 - 22	110°		N/A	N/A	.008" .20mm	.010" .25mm

106 GTI & CITROEN SAXO VTS 1.6 16V

Valve lifts quoted assume a rocker ratio of 1:1

SAX16BP270H KBSAX16BP270H	Fast Road	2000-7000	15BHP	260° 260°	.380" 9.65mm	.380" 9.65mm	20 - 60 60 - 20	110° 110°		.035" 0.90mm	.035" 0.90mm	HYDRAULIC	
SAX16BP270T KBSAX16BP270T	Fast Road	2000-7000	-	248° 260°	.366" 9.30mm	.367" 9.33mm	12 - 56 62 - 18	112° 112°		.029" 0.74mm	.033" 0.83mm	HYDRAULIC	
SAX16BP270TR	Fast Road	2000-7000	-	256° 256°	.350" 8.89mm	.350" 8.89mm	18 - 58 58 - 18	110° 110°		.033" 0.84mm	.033" 0.84mm	HYDRAULIC	
SAX16BP270S	Fast Road	2000-7000	-	260° 264°	.380" 9.65mm	.378" 9.60mm	20 - 60 62 - 22	110° 110°		.035" 0.89mm	.057" 1.47mm	HYDRAULIC	
SAX16BP285H KBSAX16BP285H	Ultimate Road	3000-7500	20BHP	264° 260°	.400" 10.16mm	.380" 9.65mm	22 - 62 64 - 16	110° 114°		.058" 1.47mm	.016" 0.40mm	HYDRAULIC	
SAX16BP300H KBSAX16BP300H	Rally	3500-8000	-	274° 274°	.430" 10.93mm	.430" 10.93mm	33 - 61 63 - 31	104° 106°		.107" 2.73mm	.096" 2.43mm	HYDRAULIC	
SAX16BP300 KBSAX16BP300	Rally	3600-8000	-	284° 284°	.450" 11.44mm	.448" 11.39mm	36 - 68 68 - 36	106° 106°		.112" 2.84mm	.110" 2.79mm	.010" .25mm	.012" .30mm
SAX16BP320	Race	4200-8500	-	292° 292°	.481" 12.21mm	.479" 12.16mm	42 - 70 70 - 42	104° 104°		.169" 4.29mm	.167" 4.24mm	.010" .25mm	.012" .30mm

Some cams may require pulley nut and bolt 806.16 & 694906 from Citroen

CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
FOLP13*	VSSVTR2	-	-	-	TBP12	
FOLP13	VSSVTR2	-	-	-	TBP12	
FOLP13*	VSSVTR2*	-	-	-	TBP12	Not recommended for use with standard injection.

-	VSSVTR	-	-	-	TBP12	
-	VSSVTR	-	-	-	TBP12	Not recommended for use with standard injection.

FOLVTSH*	VDSVTS	SC18	VDSVTSK	PULDVTS	TBP39	Air filter, exhaust, flowed head achieves over 150 bhp.
FOLVTSH*	VDSVTS	SC18	VDSVTSK	PULDVTS	TBP39	For use in a turbo application, blank only.
FOLVTSH	VDSVTS	SC18	VDSVTSK	PULDVTS	TBP39	For use in a turbo application, spec only.
FOLVTSH	VDSVTS	SC18	VDSVTSK	PULDVTS	TBP39	For use in a supercharged application.
FOLVTSH*	VDSVTS	SC18	VDSVTSK	PULDVTS	TBP39	Not recommended for use with standard injection. Throttle bodies, flowed head, manifold achieves over 180bhp.
FOLVTSH*	VDSVTS*	SC18*	VDSVTSK	PULDVTS	TBP39	Piper valve spring 'VDSVTS' must be used.
FOLVTSM *	VDSVTS*	SC18*	VDSVTSK	PULDVTS	TBP39	Piper valve spring 'VDSVTS' must be used.
FOLVTSM31	VDSVTS	SC18	VDSVTSK	PULDVTS	TBP39	Oversized followers required (Part No FOLVTSM31) must be used.

As well as camshafts, a timing disc and cam lube, items followed by a '*' are included in a kit.
Please see rear of catalogue for further details of each part number/s.

PEUGEOT

205 / 309 GTI 1600 / 1900

Valve lifts quoted assume a rocker ratio of 1:1

CAM CODE CAM KIT CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT INLET/EXHAUST		TIMING	FULL LIFT INL ATDC EXH BTDC		LIFT AT TDC with clearance INLET/EXHAUST		VALVE CLEARANCE INLET/EXHAUST	
P16BP270 KBP16BP270	Fast Road	2000-6500	20BHP	272° 272°	.462" 11.73mm	.460" 11.68mm	28 - 64 64 - 28	108°		.062" 1.57mm	.060" 1.52mm	.008" .20mm	.010" .25mm
P16BP285 KBP16BP285	Ultimate Road	2500-7000	30BHP	284° 284°	.462" 11.73mm	.460" 11.68mm	36 - 68 68 - 36	106°		.109" 2.77mm	.107" 2.72mm	.008" .20mm	.010" .25mm
P16BP300	Rally	2800-7500	-	304° 304°	.480" 12.19mm	.480" 12.19mm	46 - 78 78 - 46	106°		.175" 4.45mm	.173" 4.39mm	.008" .20mm	.010" .25mm
P16BP320	Race	4000-8500	-	308° 308°	.528" 13.41mm	.526" 13.36mm	50 - 78 78 - 50	104°		.190" 4.83mm	.188" 4.78mm	.010" .25mm	.012" .30mm
P16GPA2	Group A Rally	3000-7600	-	308° 308°	.490" 12.45mm	.490" 12.45mm	50 - 78 78 - 50	104°		.186" 4.72mm	.184" 4.67mm	.008" .20mm	.010" .25mm
P16727	Hot Hatch Race	3000-7500	-	292° 292°	.512" 13.00mm	.512" 13.00mm	42 - 70 70 - 42	104°		.179" 4.54mm	.177" 4.49mm	.010" .25mm	.012" .30mm
P16528	Hot Rod Race	4000-8500	-	328° 328°	.552" 14.02mm	.552" 14.02mm	62 - 86 90 - 58	102°		.227" 5.76mm	.225" 5.71mm	.010" .25mm	.012" .30mm

MI16 / S16 & CITROEN BX / XANTIA 16v

Valve lifts quoted assume a rocker ratio of 1:1

P16VBP270 KBP16VBP270	Fast Road	1500-6500	10BHP	264° 264°	.390" 9.91mm	.390" 9.91mm	22 - 62 62 - 22	110° 110°		.049" 1.24mm	.049" 1.24mm	HYDRAULIC	
P16VBP285H	Ultimate Road	2500-7500	-	274° 274°	.430" 10.92mm	.430" 10.92mm	31 - 63 65 - 29	106° 108°		.098" 2.48mm	.088" 2.23mm	HYDRAULIC	
P16VBP285	Ultimate Road	2500-7500	-	280° 280°	.435" 11.05mm	.435" 11.05mm	34 - 66 68 - 32	106° 108°		.108" 2.75mm	.096" 2.44mm	.010" .25mm	.012" .30mm
P16VBP300	Rally	3000-8000	-	290° 290°	.455" 11.57mm	.455" 11.57mm	39 - 71 71 - 39	106° 106°		.140" 3.61mm	.142" 3.56mm	.010" .25mm	.010" .25mm
P16VBP320	Race	4000-8500	-	300° 300°	.480" 12.19mm	.480" 12.19mm	46 - 74 76 - 44	104° 106°		.192" 4.88mm	.180" 4.58mm	.008" .20mm	.010" .25mm
P16VGPA	Group A Rally	2800-7800	-	282° 282°	.448" 11.38mm	.419" 10.60mm	35 - 67 67 - 35	106° 106°		.144" 3.66mm	.110" 2.80mm	.008" .20mm	.010" .25mm

Please note:

Reprofile option - profiles may vary from specifications listed.

205 / 309 GTI 1600 / 1900 - our cams have both the thrust groove & thrust shoulders, we recommend the shoulder type only for competition applications.

CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
FOLP16*	VDSP16	SC35	VDSP16K	PULD205	TBP13 TBP14	Skim .028" from head & fit this cam to produce 120bhp @ the wheels instantly.
FOLP16*	VDSP16	SC35	VDSP16K	PULD205	TBP13 TBP14	Not recommended for use with std injection, phenominal power when used with 2x 45 dcoe's.
FOLP16	VDSP16	SC35	VDSP16K	PULD205	TBP13 TBP14	
FOLP16	VDSP16	SC35	VDSP16K	PULD205	TBP13 TBP14	1600 Race Camshaft.
FOLP16	VDSP16	SC35	VDSP16K	PULD205	TBP13 TBP14	
FOLP16	VDSP16	SC35	VDSP16K	PULD205	TBP13 TBP14	Championship winning power. When std plenum chamber must be used.
FOLP16	VDSP16	SC35	VDSP16K	PULD205	TBP13 TBP14	The ultimate power in 1900 engines.

FOLMI16H*	VDSMI16	SC26	VDSMI16K	PULDMI16	TBP15	
FOLMI16H	VDSMI16	SC26	VDSMI16K	PULDMI16	TBP15	Piper valve springs 'VDSMI16' must be used.
FOLMI16M	VDSMI16	SC26	VDSMI16K	PULDMI16	TBP15	Piper valve springs 'VDSMI16' must be used.
FOLMI16M	VDSMI16	SC26	VDSMI16K	PULDMI16	TBP15	Piper valve springs 'VDSMI16' must be used.
FOLMI16M	VDSMI16	SC26	VDSMI16K	PULDMI16	TBP15	Piper valve springs 'VDSMI16' must be used.
FOLMI16M	VDSMI16	SC26	VDSMI16K	PULDMI16	TBP15	Piper valve springs 'VDSMI16' must be used.

As well as a camshaft, timing disc and cam lube, items followed by a "*" are included in a kit.
Please see rear of catalogue for further details of each part number/s.

PEUGEOT

306 XSI 2.0 8v

Valve lifts assume a rocker ratio of 1:1

CAM CODE CAM KIT CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT		TIMING	FULL LIFT		LIFT AT TDC		VALVE CLEARANCE	
					INLET/EXHAUST	INLET/EXHAUST		INL ATDC	EXH BTDC	with clearance INLET/EXHAUST		INLET/EXHAUST	
PXSIBP270	Fast Road	1500-6500	8BHP	252° 256°	.425" 10.80mm	.434" 11.02mm	16 - 56 58 - 18	110° 110°	.044" 1.12mm	.054" 1.36mm	.015" .38mm	.017" .43mm	

306 GTI6 16v

Valve lifts assume a rocker ratio of 1:1

GT16BP270H KBGT16BP270H	Fast Road	1500-6500	10BHP	256° 256°	.417" 10.59mm	.417" 10.59mm	18 - 58 58 - 18	110° 110°	.043" 1.09mm	.043" 1.09mm	HYDRAULIC	
GTI6BP285H	Ultimate Road	2000-7500	-	264° 264°	.428" 10.87mm	.428" 10.87mm	24 - 60 62 - 22	108° 110°	.072" 1.82mm	.063" 1.60mm	HYDRAULIC	
GTI6BP285	Ultimate Road	2500-7800	-	280° 280°	.435" 11.05mm	.435" 11.05mm	34 - 66 68 - 32	106° 108°	.107" 2.72mm	.095" 2.41mm	.010" .25mm	.012" .30mm
GTI6BP300	Rally	3000-8000	-	290° 290°	.455" 11.57mm	.455" 11.57mm	39 - 71 71 - 39	106° 106°	.140" 3.56mm	.138" 3.51mm	.010" .25mm	.010" .25mm
GTI6BP320	Race	4500-8500	-	300° 300°	.480" 12.19mm	.480" 12.19mm	46 - 74 76 - 44	104° 106°	.182" 4.62mm	.180" 4.57mm	.008" .20mm	.010" .25mm

206 2.0 16v GTI (130 bhp)

Valve lifts quoted assume a rocker ratio of 1:1

GTI2BP270R KBGTI2BP270R	Fast Road	1500-6500	12BHP	248° 244°	.365" 9.27mm	.342" 8.67mm	14 - 54 52 - 12	110° 110°	.034" 0.85mm	.022" 0.55mm	HYDRAULIC	
GTI2BP270 KBGTI2BP270	Fast Road Inlet cam only	1500-6500	15BHP	260° N/A	.380" 9.65mm	N/A N/A	22 - 58	108° N/A	.068" 1.72mm	N/A N/A	HYDRAULIC	
GTI2BP285	Ultimate Road	2000-7500	-	274° 274°	.430" 10.92mm	.430" 10.93mm	31 - 63 63 - 31	106° 106°	.098" 2.49mm	.098" 2.49mm	HYDRAULIC	
GTI2BP300	Rally	3000-8000	-	296° 288°	.459" 11.66mm	.419" 10.65mm	42 - 74 70 - 38	106° 106°	.136" 3.45mm	.108" 2.74mm	.010" .25mm	.012" .30mm
GTI2BP320	Race	4000-9000	-	300° 296°	.472" 11.99mm	.460" 11.68mm	48 - 72 72 - 44	102° 104°	.161" 4.09mm	.143" 3.63mm	.008" .20mm	.010" .25mm

CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
-	-	-	-	PULDXXSI	TBP14	

FOLGTI6H*	VDSP306	SC14	VDSP306K	PULDGTI6	TBP28	
FOLGTI6H	VDSP306	SC14	VDSP306K	PULDGTI6	TBP28	Piper valve springs 'VDSP306' must be used. Fully mappable ECU recommended.
FOLGTI6M	VDSP306	SC14	VDSP306K	PULDGTI6	TBP28	Piper valve springs 'VDSP306' must be used. Fully mappable ECU recommended.
FOLGTI6M	VDSP306	SC14	VDSP306K	PULDGTI6	TBP28	Piper valve springs 'VDSP306' must be used. Fully mappable ECU recommended.
FOLGTI6M	VDSP306	SC14	VDSP306K	PULDGTI6	TBP28	Piper valve springs 'VDSP306' must be used. Fully mappable ECU recommended.

FOLP206H	VSS206A	SC27	VSS206AK	PULD206	-	
FOLP206H	VSS206A	SC27	VSS206AK	PULD206	-	
FOLP206H	VSS206A	SC27	VSS206AK	PULD206	-	Not recommended for use with standard injection. Piper valve springs 'VSSP206' must be used.
FOLP206M	VSS206B	SC28	VSS206BK	PULD206	-	Not recommended for use with standard injection. Piper valve springs 'VSSP206' must be used.
FOLP206M	VSS206B	SC28	VSS206BK	PULD206	-	Not recommended for use with standard injection. Piper valve springs 'VSSP206' must be used.

As well as camshafts, a timing disc and cam lube, items followed by a '*' are included in a kit.
Please see rear of catalogue for further details of each part number/s.

PEUGEOT

306 TURBO DIESEL

Valve lifts quoted assume a rocker ratio of 1:1

CAM CODE CAM KIT CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT		TIMING	FULL LIFT		LIFT AT TDC		VALVE CLEARANCE	
					INLET/EXHAUST	INLET/EXHAUST		INL ATDC	EXH BTDC	with clearance INLET/EXHAUST		INLET/EXHAUST	
PEUGTDBP270	Fast Road	1500-6500	15BHP	236° 244°	.350" 8.90mm	.365" 9.26mm	6 - 50 54 - 10	112°	.022" 0.56mm	.027" 0.68mm	.016" .40mm	.019" .47mm	

206 / 306 2.0 HDI

Valve lift quoted assumes a rocker ratio of 1.7:1

PHDIBP270	Fast Road	1500-6500	8BHP	236° 255°	.342" 8.69mm	.355" 9.02mm	8 - 48 58 - 18	110° 110°	N/A	N/A	HYDRAULIC	
PHDIBP285	Ultimate Road	1500-6500	12BHP	258° 256°	.365" 9.26mm	.383" 9.73mm	19 - 59 58 - 18	110° 110°	N/A	N/A	HYDRAULIC	

PORSCHE

924

Valve lifts quoted assume a rocker ratio of 1:1

PORBP270	Fast Road	1500-6200	8BHP	278° 278°	.462" 11.72mm	.460" 11.67mm	29 - 69 69 - 29	110°	.088" 2.24mm	.060" 1.52mm	.008" .20mm	.010" .25mm
PORBP285	Ultimate Road	2000-7000	12BHP	284° 284°	.462" 11.72mm	.460" 11.67mm	34 - 70 70 - 34	108°	.100" 2.54mm	.098" 2.49mm	.008" .20mm	.010" .25mm

RENAULT (Classic Gordini camshafts available from blank, please ask for more details)

5 TURBO

Valve lifts quoted assume a rocker ratio of 1.5:1

R5TBP270 KBR5TBP270	Fast Road	2000-6000	15BHP	260° 260°	.342" 8.68mm	.342" 8.68mm	20 - 60 60 - 20	110°	.026" 0.66mm	.024" 0.60mm	.010" .25mm	.012" .30mm
R5TBP285 KBR5TBP285	Ultimate Road	2500-6500	20BHP	270° 270°	.392" 9.95mm	.390" 9.90mm	23 - 67 67 - 23	112°	.037" 0.94mm	.035" 0.89mm	.010" .25mm	.012" .30mm
R5TBP300	Rally	2500-6500	20BHP	276° 276°	.362" 9.19mm	.360" 9.14mm	26 - 70 71 - 25	112°	.068" 1.73mm	.062" 1.53mm	.008" .25mm	.010" .30mm

Please note:

Reprofile option - profiles may vary from specifications listed.

CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
-	-	-	-	PULD306TD	-	

-	-	-	-	-	-	
-	-	-	-	-	-	

FOLPOR	-	-	-	PULDPOR	-	
FOLPOR	-	-	-	PULDPOR	-	

-	VSSR5	-	-	PULSR5	-	
-	VSSR5*	-	-	PULSR5*	-	Piper valve springs 'VSSR5' must be used.
-	VSSR5*	-	-	PULSR5*	-	Piper valve springs 'VSSR5' must be used.

As well as camshafts, a timing disc and cam lube, items followed by a '*' are included in a kit. Please see rear of catalogue for further details of each part number/s.

RENAULT

CLIO MK1 F7P & F7R 1.8 16v & WILLIAMS 2.0 16v

Valve lifts quoted assume a rocker ratio of 1:1

CAM CODE CAM KIT CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT INLET/EXHAUST		TIMING	FULL LIFT INL ATDC EXH BTDC		LIFT AT TDC with clearance INLET/EXHAUST		VALVE CLEARANCE INLET/EXHAUST	
R16VBP270H KBR16VBP270H	Fast Road	1800-6800	12BHP	264° 256°	.390" 9.90mm	.362" 9.20mm	22 - 62 58 - 18	110° 110°		.050" 1.27mm	.034" 0.68mm	HYDRAULIC	
RW16VBP270H KBRW16VBP270H	Williams Fast Road	1800-6800	12BHP	264° 256°	.407" 10.34mm	.390" 9.90mm	22 - 62 58 - 18	110° 110°		.076" 1.93mm	.058" 1.47mm	HYDRAULIC	
R16VBP285H KBR16VBP285H	Ultimate Road	2500-7300	18BHP	268° 268°	.438" 11.13mm	.438" 11.13mm	28 - 60 60 - 28	106° 106°		.087" 2.21mm	.087" 2.21mm	HYDRAULIC	
R16VBP300M	Rally Mechanical	3000-8000	-	290° 290°	.455" 11.57mm	.455" 11.57mm	39 - 71 71 - 39	106° 106°		.140" 3.56mm	.138" 3.51mm	.010" .25mm	.010" .25mm
R16VBP320M	Race Mechanical	4000-8300	-	300° 300°	.480" 12.19mm	.480" 12.19mm	46 - 74 76 - 44	104° 106°		.192" 4.88mm	.180" 4.57mm	.008" .20mm	.010" .25mm

CLIO 2.0 16v F4R 172 / 182 / 197

Valve lifts quoted assume a rocker ratio of 1.72:1

R172BP270	Fast Road	1800-7000	10BHP	278° 270°	.405" 10.28mm	.373" 9.47mm	29 - 69 65 - 25	110° 110°		N/A	N/A	HYDRAULIC	
R172BP285	Ultimate Road	2200-7500	20BHP	276° 268°	.420" 10.67mm	.393" 9.98mm	28 - 68 60 - 28	110° 106°		N/A	N/A	HYDRAULIC	
R197BP270	Fast Road	1800-7000	-	276° 268°	.420" 10.67mm	.393" 9.98mm	28 - 68 60 - 28	110° 106°		N/A	N/A	HYDRAULIC	

For Renault Clio cams, reprofile cams will include shims for pedestals

ROVER

K SERIES V6 2.5 KV6

Valve lifts quoted assume a rocker ratio of 1:1

ARKV6BP270H	Fast Road	1500-6500	20BHP	260° 260°	.380" 9.65mm	.380" 9.65mm	20 - 60 64 - 16	110° 114°		.035" 0.89mm	.016" 0.41mm	HYDRAULIC	
ARKV6BP285H	Ultimate Road	2000-6800	-	274° 274°	.430" 10.92mm	.430" 10.92mm	33 - 61 63 - 31	104° 106°		.105" 2.67mm	.0100" 2.54mm	HYDRAULIC	
ARKV6BP285M	Ultimate Road	2000-6800	-	276° 276°	.440" 11.18mm	.438" 11.13mm	34 - 62 64 - 32	104° 106°		.110" 2.80mm	.098" 2.48mm	.008" .20mm	.010" .25mm

Please note:

Reprofile option - profiles may vary from specifications listed.

CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
FOLCLIOH*	-	-	-	PULDCLIO	TBP16	Vernier pulleys recommended.
FOLCLIOH*	-	-	-	PULDCLIO	TBP16	Vernier pulleys recommended.
FOLCLIOH*	-	-	-	PULDCLIO	TBP16	Vernier pulleys recommended.
FOLCLIOM	-	-	-	PULDCLIO	TBP16	
FOLCLIOM	-	-	-	PULDCLIO	TBP16	

-	-	-	-		-	
-	-	-	-		-	
-	-	-	-		-	

FOLKV6H	VSSKV6 VDSKV6	SC25	-	-	TBP17	
FOLKV6H	VSSKV6 VDSKV6	SC25	-	-	TBP17	Not recommended for use with std injection.
FOLKV6M	VSSKV6 VDSKV6	SC23	-	-	TBP17	Not recommended for use with std injection.

As well as camshafts, a timing disc and cam lube, items followed by a '*' are included in a kit. Please see rear of catalogue for further details of each part number/s.

ROVER

T SERIES 2.0 16v

Valve lifts quoted assume a rocker ratio of 1:1

CAM CODE CAM KIT CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT INLET/EXHAUST		TIMING	FULL LIFT INL ATDC EXH BTDC		LIFT AT TDC <small>with clearance</small> INLET/EXHAUST		VALVE CLEARANCE INLET/EXHAUST	
ARTBP270H	Fast Road	-	10BHP	248° 248°	.348" 8.84mm	.348" 8.84mm	14 - 54 54 - 14	110° 110°	.045" 1.14mm	.045" 1.14mm	HYDRAULIC		
ARTBP285M	Ultimate Road	-	15BHP	260° 260°	.384" 9.75mm	.384" 9.75mm	22 - 58 58 - 22	108° 108°	.059" 1.50mm	.057" 1.45mm	.008" .20mm	.010" .25mm	
ARTBP270HT	Fast Road Turbo	-	16BHP	240° 240°	.346" 8.79mm	.346" 8.79mm	10 - 50 50 - 10	110° 110°	.017" 0.49mm	.017" 0.43mm	HYDRAULIC		
ARTBP285MT	Ultimate Road Turbo	-	20BHP+	260° 260°	.384" 9.75mm	.384" 9.75mm	20 - 60 60 - 20	110° 110°	.049" 1.24mm	.047" 1.19mm	.008" .20mm	.010" .25mm	

K SERIES 16v

Valve lifts quoted assume a rocker ratio of 1:1

ARKBP255H KBARKBP255H	Fast Road	2000-7000	10BHP	248° 248°	.348" 8.84mm	.348" 8.84mm	14 - 54 54 - 14	110° 110°	.045" 1.14mm	.045" 1.14mm	HYDRAULIC	
ARKBP270H KBARKBP270H	Fast Road	2000-7000	16BHP	260° 260°	.380" 9.65mm	.380" 9.65mm	20 - 60 64 - 16	110° 114°	.035" 0.89mm	.016" 0.41mm	HYDRAULIC	
VVCBP270	Fast Road	2000-7000	-	N/A 264°	N/A N/A	.388" 9.86mm	62-22	N/A 110°	N/A N/A	.050" 1.27mm	HYDRAULIC	
ARKBP285H KBARKBP285H	Ultimate Road	2500-7500	20BHP+	274° 274°	.433" 11.00mm	.433" 11.00mm	29 - 65 67 - 27	108° 110°	.088" 2.23mm	.078" 1.98mm	HYDRAULIC	
ARKBP285M	Ultimate Road	2800-7800	20BHP+	276° 276°	.440" 11.18mm	.438" 11.13mm	34 - 62 64 - 32	104° 106°	.110" 2.80mm	.098" 2.48mm	.008" .20mm	.010" .25mm
ARKBP300H KBARKBP300H	Sprint/Hill Climb	2800-7500	-	288° 288°	.445" 11.30mm	.445" 11.30mm	40 - 68 70 - 38	104° 106°	.133" 3.38mm	.122" 3.10mm	HYDRAULIC	
ARKBP300M	Sprint/Hill Climb	3200-8000	-	280° 280°	.442" 11.23mm	.440" 11.18mm	34 - 66 70 - 30	104° 106°	.121" 3.08mm	.108" 2.75mm	.008" .20mm	.010" .25mm
ARKBP320M	Race/Sprint	4500-8500	-	290° 280°	.460" 11.68mm	.440" 11.18mm	39 - 71 71 - 39	106° 106°	.141" 3.58mm	.108" 2.75mm	.010" .25mm	.012" .30mm
ARK1227	SLR 500	4500-8500	-	280° 280°	.462" 11.73mm	.460" 11.68mm	36 - 64 68 - 32	104° 108°	.140" 3.55mm	.117" 2.97mm	.008" .20mm	.010" .25mm
ARK1444	Race/Sprint	4500-8500	-	276° 276°	.481" 12.22mm	.479" 12.17mm	34 - 62 66 - 30	104° 108°	.143" 3.63mm	.120" 3.05mm	.010" .25mm	.012" .30mm
KK1	VVC conversion kit - hydraulic	All above profiles available, and more!										
KK2	VVC conversion kit - mechanical	All above profiles available, and more!										

Please note:

VVC inlet camshafts are to suit aftermarket engine management only.

As the VVC cylinder head utilises substantially larger valves than the standard K series head, it is more economical to use this casting rather than have larger valves fitted to a standard head. For this reason we have developed a kit to convert the VVC mechanism back to two conventional camshafts. A 1600 engine fitted with this conversion is capable of producing in excess of 210bhp and 1800's are now nudging 250bhp.

CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
FOLTH	-	-	-	PULDT	-	
FOLTM	-	-	-	PULDT	-	Not recommended for use with standard injection.
FOLTH	-	-	-	PULDT	-	
FOLTM	-	-	-	PULDT	-	

FOLKH*	VSSK* VDSK	SC19	VSSKK VDSKK	PULDK	TBP17	Designed for use in 1.4L N/A engine or 1.8L turbo. Vernier pulleys advised.
FOLKH*	VSSK* VDSK	SC19	VSSKK VDSKK	PULDK	TBP17	Straight forward installation. Designed for 1.6/1.8L engine. Vernier pulleys advised.
FOLKH	VSSK VDSK	SC19	VSSKK VDSKK	PULDK	TBP17	VVC exhaust camshaft only.
FOLKH*	VSSK* VDSK	SC19	VSSKK VDSKK	PULDK	TBP17	Not recommended for use with std injection.
FOLKM	VSSK VDSK	SC3	VSSKK VDSKK	PULDK	TBP17	Not recommended for use with std injection. 1.8 capable of producing over 190bhp.
FOLKH*	VSSK* VDSK	SC19	VSSKK VDSKK	PULDK	TBP17	
FOLKM	VSSK VDSK	SC3	VSSKK VDSKK	PULDK	TBP17	Over 200bhp easily obtainable with tremendous torque.
FOLKM	VSSK VDSK	SC3	VSSKK VDSKK	PULDK	TBP17	Over 120 bhp/litre achievable.
FOLKM	VSSK VDSK	SC3	VSSKK VDSKK	PULDK	TBP17	Now a legendary profile in the k series tuning world.
FOLKM	VSSK VDSK	SC3	VSSKK VDSKK	PULDK	TBP17	On Dave Walker's rollers this profile shows more torque and power over the 1227's.
-	VSSK*	-	-	PULDK*	-	'PLATES*' (VVC blanking set).
FOLKM*	VDSK*	SC3*	-	PULDK*	-	'PLATES*' (VVC blanking set) & 'SHIM74*' (LASH CAP).

As well as camshafts, a timing disc and cam lube, items followed by a '*' are included in a kit. Please see rear of catalogue for further details of each part number/s.

ROVER

V8 3.5 / 3.9 'SERPENTINE' (LONG NOSE)

Valve lifts quoted assume a rocker ratio of 1.6:1

CAM CODE CAM KIT CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT INLET/EXHAUST		TIMING	FULL LIFT INL ATDC EXH BTDC		LIFT AT TDC with clearance INLET/EXHAUST		VALVE CLEARANCE INLET/EXHAUST	
V8BP255 KBV8BP255	Mild Road and Auto	1000-5000	10BHP	272° 272°	.420" 10.67mm	.420" 10.67mm	24 - 68 68 - 24	112°		.054" 1.37mm	.054" 1.37mm	HYDRAULIC	
V8BP270 KBV8BP270	Fast Road Carburettor	1500-6000	24BHP	272° 272°	.420" 10.67mm	.420" 10.67mm	28 - 64 64 - 28	108°		.072" 1.83mm	.081" 2.06mm	HYDRAULIC	
V8BP270i KBV8BP270i	Fast Road Injection	1500-6000	22BHP	272° 272°	.420" 10.67mm	.420" 10.67mm	26 - 66 66 - 26	110°		.063" 1.60mm	.063" 1.60mm	HYDRAULIC	
V8BP285 KBV8BP285	Ultimate Road	2000-6500	30BHP	276° 276°	.440" 11.18mm	.440" 11.18mm	31 - 65 65 - 31	107°		.070" 1.78mm	.070" 1.78mm	HYDRAULIC	
V8BP300H KBV8BP300H	Rally Race	2500-7000	-	286° 286°	.446" 11.33mm	.446" 11.33mm	39 - 67 67 - 39	104°		.108" 2.74mm	.108" 2.74mm	HYDRAULIC	
V8BP300	Rally Race	2500-7000	-	300° 300°	.507" 12.87mm	.505" 12.82mm	44 - 76 76 - 44	107°		.168" 4.27mm	.177" 4.36mm	.018" .45mm	.020" .50mm
V8BP320	Race	3500-8000	-	306° 306°	.537" 13.64mm	.535" 13.59mm	47 - 79 75 - 51	106°		.168" 4.27mm	.188" 4.78mm	.018" .45mm	.020" .50mm
V8GPAK	Group A	2000-6500	-	300° 300°	.390" 9.91mm	.390" 9.91mm	44 - 76 76 - 44	106°		.095" 2.41mm	.095" 2.41mm	HYDRAULIC	

V8 4.0 / 4.6 ENGINES WITH NO DISTRIBUTOR (SHORT NOSE)

V846BP270 KBV846BP270	Fast Road	1000-5500	21BHP	280° 268°	.450" 11.42mm	.467" 11.87mm	28 - 72 66 - 22	112°		.054" 1.37mm	.064" 1.63mm	HYDRAULIC	
V846BP285 KBV846BP285	Road Rally	1800-6000	35BHP	280° 286°	.477" 12.11mm	.477" 12.11mm	30 - 70 73 - 33	110°		.074" 1.88mm	.083" 2.11mm	HYDRAULIC	

SKODA - See V.A.G.

CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED CHAIN	OTHER/NOTES
FOLV8*	VSSV8*	-	-	PULSV8	TCV8	
FOLV8*	VSSV8*	-	-	PULSV8	TCV8	
FOLV8*	VSSV8*	-	-	PULSV8	TCV8	Can be used in a carb. engine to produce to low down torque.
FOLV8*	VSSV8*	-	-	PULSV8	TCV8	
FOLV8*	VSSV8*	-	-	PULSV8	TCV8	
FOLV8M	VTSV8	-	-	PULSV8	TCV8	
FOLV8M	VTSV8	-	-	PULSV8	TCV8	
FOLV8	VSSV8	-	-	PULSV8	TCV8	

FOLV8*	VSSV8*	-	-	-	-	
FOLV8*	VSSV8 *	-	-	-	-	

As well as camshafts, a timing disc and cam lube, items followed by a "*" are included in a kit. Please see rear of catalogue for further details of each part number/s.

SUBARU

IMPREZA TURBO V4-9 Many more specs available please ask for custom specs if required.

Valve lifts quoted assume a rocker ratio of 1:1

CAM CODE CAM KIT CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT		TIMING	FULL LIFT		LIFT AT TDC		VALVE CLEARANCE	
					INLET/EXHAUST	INLET/EXHAUST		INL ATDC	EXH BTDC	with clearance INLET/EXHAUST		INLET/EXHAUST	
SUBBP270H	Fast Road	1800-6000	15BHP	264° 264°	.352" 8.94mm	.352" 8.94mm	22 - 62 62 - 22	110° 110°	.047" 1.19mm	.047" 1.19mm	HYDRAULIC		
SUBBP285H	Ultimate Road	2500-7000	-	264° 264°	.400" 10.13mm	.400" 10.13mm	22 - 62 62 - 22	110° 110°	.056" 1.43mm	.057" 1.44mm	HYDRAULIC		
SUBBP285	Ultimate Road	2500-7000	-	276° 276°	.402" 10.19mm	.400" 10.13mm	28 - 68 68 - 28	110° 110°	.075" 1.91mm	.075" 1.91mm	.008" .20mm	.010" .25mm	
SUBGPA	Group A Rally For use with 34mm restrictor	2700-6500	-	252° 252°	.410" 10.41mm	.410" 10.41mm	16 - 56 56 - 16	110° 110°	.060" 1.52mm	.060" 1.52mm	.008" .20mm	.010" .25mm	

Please note: IMPREZA TURBO V4-9 - If using solid lifter, oversized shims will be required with reprofiled cams.

BRZ FA20 (Custom specs available to order, please ask for more information)

Valve lifts quoted assume a rocker ratio of 1:1

SUBFA20BP270	Fast Road	-	-	262° 266°	.447" 11.35mm	.445" 11.30mm	21 - 61 63 - 23	110° 110°	.041" 1.04mm	.027" 0.69mm	.005" .13mm	.007" .18mm
SUBFA20BP285	Ultimate Road	-	-	272° 266°	.472" 11.99mm	.445" 11.30mm	26 - 66 63 - 23	110° 110°	.050" 1.27mm	.037" 0.94mm	.005" .13mm	.007" .18mm
SUBFA20BP300	Rally	-	-	284° 274°	.492" 12.50mm	.472" 11.99mm	32 - 72 67 - 27	110° 110°	.072" 1.83mm	.050" 1.27mm	.005" .13mm	.007" .18mm
SUBFA20BP320	Race	-	-	304° 292°	.512" 13.00mm	.494" 12.55mm	42 - 82 76 - 36	110° 110°	.092" 2.34mm	.069" 1.74mm	.005" .13mm	.007" .18mm

SUZUKI

SWIFT GTI 16v (NON VVT TYPE)

Valve lifts quoted assume a rocker ratio of 1:1

SSBP270H	Fast Road	2500-7000	10BHP	256° 256°	.340" 8.64mm	.340" 8.64mm	18 - 58 58 - 18	110° 110°	.024" 0.61mm	.024" 0.61mm	HYDRAULIC	
SSBP285	Ultimate Road	3500-7800	-	280° 280°	.334" 8.48mm	.334" 8.48mm	34 - 66 66 - 34	106° 106°	.095" 2.41mm	.093" 2.36mm	.008" .20mm	.010" .25mm
SSBP300	Rally	4000-8500	-	290° 284°	.356" 9.04mm	.340" 8.64mm	41 - 69 66 - 38	104° 104°	.108" 2.74mm	.088" 2.24mm	.008" .20mm	.010" .25mm

Please note:

Reprofile option - profiles may vary from specifications listed.

CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED CHAIN	OTHER/NOTES
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	

-	VSSFA20K	SC77	-	-	-	
-	VSSFA20K	SC77	-	-	-	
-	VDSFA20K	SC77	-	-	-	
-	VDSFA20K	SC77	-	-	-	

-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	

TOYOTA

4AGE 16v

Valve lifts quoted assume a rocker ratio of 1:1

CAM CODE CAM KIT CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT INLET/EXHAUST	TIMING	FULL LIFT		LIFT AT TDC		VALVE CLEARANCE	
							INL ATDC	EXH BTDC	with clearance INLET/EXHAUST		INLET/EXHAUST	
TOY16VBP270	Fast Road	2000-6500	9BHP	252° 252°	.303" .303" 7.70mm 7.70mm	16 - 56 56 - 16	110°	110°	.037" .035" 0.94mm 0.89mm	.008" .010" .20mm .25mm		
TOY16VBP285	Ultimate Road	2800-7500	12BHP	288° 288°	.353" .351" 8.94mm 8.89mm	38 - 70 70 - 38	106°	108°	.096" .094" 2.41mm 2.36mm	.008" .010" .20mm .25mm		
TOY16VBP300	Rally	3000-8000	-	300° 300°	.351" .349" 8.89mm 8.84mm	44 - 76 76 - 44	106°	106°	.144" .142" 3.62mm 3.57mm	.008" .010" .20mm .25mm		
TOY16VBP320	Race For use with 'shim under' buckets	4000-9000	-	326° 326°	.375" .373" 9.49mm 9.44mm	57 - 89 89 - 57	106°	106°	.158" .156" 4.01mm 3.96mm	.008" .010" .20mm .25mm		

4AGE 1.6 20v

Valve lifts quoted assume a rocker ratio of 1:1

TOY20VP270	Fast Road	1800-7000	10BHP	264° 264°	.342" .318" 8.69mm 8.08mm	22 - 62 62 - 22	110°	110°	.049" .033" 3.17mm 2.62mm	.010" .012" .25mm .30mm
TOY20VBP285	Ultimate Road	2500-8000	-	276° 264°	.340" .340" 8.64mm 8.64mm	30 - 66 60 - 24	108°	108°	.073" .055" 1.84mm 1.39mm	.010" .012" .25mm .30mm
TOY20VBP300	Rally	3000-8500	-	296° 280°	.327" .327" 8.31mm 8.31mm	42 - 74 66 - 34	106°	106°	.125" .103" 3.17mm 2.62mm	.010" .012" .25mm .30mm
TOY20VBP320	Race	4000-9000	-	320° 296°	.402" .325" 10.16mm 9.00mm	56 - 84 72 - 42	104°	106°	.142" .123" 3.61mm 3.12mm	.008" .012" .20mm .30mm

CELICA 2ZZ VVTLI

Valve lifts quoted assume a rocker ratio of 1.645:1 low lift / 1.795:1 high lift

VVTLIBP270	Fast Road	2000-8500	15BHP	268° 288°	.268" .284"	N/A	.362" .472" 9.20mm 12.00mm	.362" .433" 9.20mm 11.00mm	.008" .010" .20mm .25mm
VVTLIBP285	Ultimate Road	2000-8500	-	276° 288°	.276" .284"	N/A	.382" .482" 9.70mm 12.30mm	.380" .445" 9.65mm 11.30mm	.008" .010" .20mm .25mm
VVTLIBP320	Race	2000-8500	-	276° 304°	.276" .296"	N/A	.382" .500" 9.70mm 12.70mm	.380" .460" 9.65mm 11.68mm	.008" .010" .20mm .25mm

CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED CHAIN	OTHER/NOTES
-	-	-	-	-	-	
-	-	-	-	-	-	Not recommended for use with standard injection.
-	-	-	-	-	-	
-	-	-	-	-	-	

-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	

-	-	-	-	-	-	Massive mid range improvements + 26lb / ft.
-	-	-	-	-	-	
-	-	-	-	-	-	

TOYOTA

MR2 MK2 / CELCIA 2.0 16v 3SGE & 3SGTE TURBO (Not suitable for 'BEAMS')

Reprofiled cams will require oversize shims.

Valve lifts quoted assume a rocker ratio of 1:1

Blank cams ground with standard BCD. Due to the extra lift the head maybe require machining in <1994.

CAM CODE CAM KIT CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT INLET/EXHAUST		TIMING	FULL LIFT INL ATDC EXH BTDC		LIFT AT TDC with clearance INLET/EXHAUST		VALVE CLEARANCE INLET/EXHAUST		
TOYSGBP270	Fast Road Naturally Aspirated	2000-6500	10BHP	260° 260°	.369" 9.37mm	.367" 9.32mm	20 - 60 60 - 20	110° 110°	.042" 1.06mm	.040" 1.01mm	.010" .25mm	.012" .30mm		
TOYSGBP270T	Fast Road Turbo	2000-6500	14BHP	260° 260°	.369" 9.37mm	.367" 9.32mm	20 - 60 60 - 20	110° 110°	.042" 1.06mm	.040" 1.01mm	.010" .25mm	.012" .30mm		
TOYSGBP285	Ultimate Road Naturally Aspirated	2500-7000	14BHP	264° 264°	.412" 10.47mm	.410" 10.42mm	24 - 60 60 - 24	108° 108°	.071" 1.78mm	.069" 1.68mm	.008" .25mm	.010" .25mm	.20mm	
TOYSGBP285T	Ultimate Road Turbo	2500-7000	20BHP	264° 264°	.412" 10.47mm	.410" 10.42mm	22 - 62 62 - 22	110° 110°	.062" 1.58mm	.060" 1.52mm	.008" .25mm	.010" .25mm	.20mm	
TOYSGTBP300	Rally Naturally Aspirated	2500-7000	-	272° 272°	.430" 10.92mm	.428" 10.87mm	28 - 64 66 - 26	108° 110°	.072" 1.83mm	.060" 1.52mm	.010" .25mm	.012" .30mm		

SUPRA 2JZ

Valve lifts quoted assume a rocker ratio of 1:1

TOY2JZBP270	Fast Road	2000-6500	25BHP	264° 264°	.365" 9.50mm	.354" 9.00mm	22 - 62 62 - 22	110° 110°	.040" 1.02mm	.038" 0.97mm	.010" .25mm	.012" .30mm		
TOY2JZBP285	Ultimate Road	2500-7000	-	264° 272°	.376" 9.55mm	.374" 9.50mm	22 - 62 66 - 26	110° 110°	.044" 1.12mm	.054" 1.37mm	.010" .25mm	.012" .30mm		
TOY2JZBP300	Rally	3000-7500	-	272° 280°	.423" 10.74mm	.421" 10.69mm	26 - 66 70 - 30	110° 110°	.076" 1.94mm	.092" 2.34mm	.010" .25mm	.012" .30mm		

NEW GT86 4U-GSE - See Subaru Page 60-61

TRIUMPH

1.2 / 1.3 / 1.5 4 Cyl

Large 49.94mm & Small 46.755mm journal blank available

Valve lifts quoted assume a rocker ratio of 1.5:1

TRBP255	Mild Road	1500-5800	6BHP	252° 252°	.380" 9.65mm	.380" 9.65mm	17 - 55 55 - 17	109°	.042" 1.06mm	.040" 1.01mm	.022" .55mm	.024" .60mm		
TRBP270 KBTRBP270	Fast Road	2000-6400	10BHP	268° 268°	.414" 10.52mm	.412" 10.47mm	26 - 62 62 - 26	108°	.070" 1.77mm	.068" 1.72mm	.012" .30mm	.014" .35mm		
TRBP285 KBTRBP285	Ultimate Road	2800-6800	14BHP	284° 284°	.414" 10.52mm	.414" 10.52mm	36 - 68 68 - 36	106°	.112" 2.84mm	.114" 2.89mm	.012" .30mm	.014" .35mm		
TRBP300	Rally	3500-7500	-	300° 300°	.445" 11.30mm	.445" 11.30mm	44 - 76 76 - 44	106°	.125" 3.18mm	.123" 3.12mm	.016" .40mm	.018" .45mm		

TR 3 / 4

Valve lifts quoted assume a rocker ratio of 1.5:1

TR3BP270	Fast Road	1300-5500	8BHP	272° 272°	.411" 10.44mm	.409" 10.39mm	26 - 66 66 - 26	110°	.055" 1.40mm	.053" 1.35mm	.014" .30mm	.016" .35mm		
TR3BP285	Ultimate Road	2000-6000	12BHP	286° 286°	.446" 11.32mm	.444" 11.27mm	33 - 73 73 - 33	110°	.112" 2.84mm	.110" 2.79mm	.016" .40mm	.018" .45mm		
TR3BP300	Rally	2500-6500	-	302° 302°	.465" 11.81mm	.463" 11.76mm	43 - 79 79 - 43	108°	.139" 3.53mm	.137" 3.48mm	.016" .40mm	.018" .45mm		
TR3BP320	Race	3000-7000	-	328° 328°	.495" 12.57mm	.493" 12.52mm	58 - 90 90 - 58	106°	.175" 4.44mm	.173" 4.39mm	.016" .40mm	.018" .45mm		

CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
-	VSS3SG VDS3SG	-	-	PULD3SG	-	
-	VSS3SG VDS3SG	-	-	PULD3SG	-	
-	VSS3SG VDS3SG	-	-	PULD3SG	-	
-	VSS3SG VDS3SG	-	-	PULD3SG	-	
-	VSS3SG VDS3SG	-	-	PULD3SG	-	

-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	

FOLT	VSSTR4	-	-	-	-	
FOLT*	VSSTR4*	-	-	-	-	
FOLT*	VSSTR4*	-	-	-	-	
FOLT	VSSTR4	-	-	-	-	

FOLTR4	-	-	-	-	-	
FOLTR4	-	-	-	-	-	
FOLTR4	-	-	-	-	-	
FOLTR4	-	-	-	-	-	

TRIUMPH

2.0 / 2.5 6 Cyl

Valve lifts quoted assume a rocker ratio of 1.5:1

CAM CODE CAM KIT CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT INLET/EXHAUST		TIMING	FULL LIFT INL ATDC EXH BTDC		LIFT AT TDC with clearance INLET/EXHAUST		VALVE CLEARANCE INLET/EXHAUST	
TR6BP255	Mild Road	1000-5500	8BHP	252° 252°	.380" 9.65mm	.380" 9.65mm	17 - 55 55 - 17	109°		.042" 1.06mm	.040" 1.01mm	.022" .55mm	.024" .60mm
TR6BP270 KBTR6BP270	Fast Road	1500-6000	12BHP	264° 264°	.406" 10.31mm	.406" 10.31mm	24 - 60 60 - 24	108°		.070" 1.77mm	.068" 1.72mm	.016" .40mm	.018" .45mm
TR6BP285 KBTR6BP285	Ultimate Road	2500-6500	16BHP	284° 284°	.414" 10.52mm	.414" 10.52mm	36 - 68 68 - 36	106°		.112" 2.84mm	.114" 2.89mm	.012" .30mm	.014" .35mm
TR6BP300	Rally	2800-7000	-	296° 296°	.446" 11.33mm	.444" 11.28mm	42 - 74 74 - 42	106°		.127" 3.23mm	.125" 3.18mm	.016" .40mm	.018" .45mm
TR6BP320	Race	3200-7500	-	312° 312°	.490" 12.45mm	.490" 12.45mm	52 - 80 80 - 52	104°		.180" 4.57mm	.178" 4.52mm	.014" .35mm	.016" .40mm

Please note:

Reprofile option - profiles may vary from specifications listed.

DOLOMITE SPRINT 16v

Valve lifts quoted assume a rocker ratio of 1:1

Solid followers must be used with this range of camshafts.

TRSBP270	Fast Road	2000-6500	8BHP	260° 260°	.384" 9.75mm	.382" 9.70mm	22 - 58 58 - 22	108°	.057" 1.39mm	.055" 1.44mm	.010" .25mm	.012" .30mm
TRSBP285	Ultimate Road	2500-7000	12BHP	296° 296°	.426" 10.82mm	.424" 10.77mm	40 - 76 76 - 40	108°	.139" 3.53mm	.137" 3.48mm	.008" .20mm	.010" .25mm
TRSBP300	Rally	3000-7500	-	312° 312°	.427" 10.85mm	.425" 10.80mm	48 - 84 84 - 48	108°	.154" 3.91mm	.152" 3.86mm	.008" .20mm	.010" .25mm
TRSBP320	Race	3500-8000	-	316° 316°	.443" 11.25mm	.443" 11.25mm	50 - 86 86 - 50	108°	.164" 4.17mm	.162" 4.12mm	.014" .30mm	.016" .35mm

VAUXHALL

C.I.H. 1600 / 1900 / 2000

Valve lifts quoted assume a rocker ratio of 1.52:1

OPBP255	Mild Road	1800-6000	6BHP	260° 260°	.393" 9.98mm	.393" 9.98mm	21 - 59 59 - 21	109°	.051" 1.30mm	.049" 1.25mm	.016" .40mm	.018" .45mm
OPBP270 KBOPBP270	Fast Road	2000-6500	10BHP	268° 268°	.421" 10.69mm	.421" 10.69mm	26 - 62 62 - 26	108°	.071" 1.80mm	.069" 1.75mm	.012" .30mm	.014" .35mm
OPBP285 KBOPBP285	Ultimate Road	2500-6700	16BHP	280° 280°	.435" 11.05mm	.435" 11.05mm	34 - 66 66 - 34	106°	.088" 2.23mm	.086" 2.18mm	.012" .30mm	.014" .35mm
OPBP300 KBOPBP300	Rally	3000-7400	-	300° 300°	.450" 11.43mm	.450" 11.43mm	46 - 74 74 - 46	104°	.135" 3.43mm	.133" 3.38mm	.016" .40mm	.018" .45mm
OPBP320 KBOPBP320	Race	4000-8000	-	328° 328°	.517" 13.13mm	.517" 13.13mm	62 - 86 86 - 62	102°	.210" 5.33mm	.208" 5.28mm	.012" .30mm	.014" .35mm

Please note:

Reprofile option - profiles may vary from specifications listed.

CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
FOLT6	VSSTR6 VDSTR6	-	-	-	-	
FOLT6*	VSSTR6* VDSTR6	-	-	-	-	
FOLT6*	VSSTR6* VDSTR6	-	-	-	-	
FOLT6	VSSTR6 VDSTR6	-	-	-	-	
FOLT6	VSSTR6 VDSTR6	-	-	-	-	

As well as camshafts, a timing disc and cam lube, items followed by a '*' are included in a kit.
Please see rear of catalogue for further details of each part number/s.

-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	

FOLO	-	-	VSSOP	PULSOP	-	
FOLO*	-	-	VSSOP*	PULSOP*	-	
FOLO*	-	-	VSSOP*	PULSOP*	-	
FOLO*	-	-	VSSOP*	PULSOP*	-	
FOLO*	-	-	VSSOP*	PULSOP*	-	

As well as camshafts, a timing disc and cam lube, items followed by a '*' are included in a kit.
Please see rear of catalogue for further details of each part number/s.

VAUXHALL

CARLTON / SENATOR 6 Cylinder

Valve lifts quoted assume a rocker ratio of 1.52:1

CAM CODE CAM KIT CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT INLET/EXHAUST	TIMING	FULL LIFT		LIFT AT TDC		VALVE CLEARANCE	
							INL ATDC	EXH BTDC	with clearance INLET/EXHAUST		INLET/EXHAUST	
OP6BP255	Mild Road	1500-5800	6BHP	260° 260°	.393" .393" 9.98mm 9.98mm	21 - 59 59 - 21	109°		.051" .049" 1.30mm 1.25mm	.016" .018" .40mm .45mm		
OP6BP270	Fast Road	1800-6200	10BHP	268° 268°	.421" .421" 10.69mm 10.69mm	26 - 62 62 - 26	108°		.071" .069" 1.80mm 1.75mm	.012" .014" .30mm .35mm		
OP6BP285	Ultimate Road	2200-6750	16BHP	280° 280°	.435" .435" 11.05mm 11.05mm	34 - 66 66 - 34	106°		.088" .086" 2.23mm 2.18mm	.012" .014" .30mm .35mm		

OMEGA / VECTRA 2.5 / 3.0 / 3.2 V6 24V C25XE / X25XE / Y26SE / Y32SE

Valve lifts quoted assume a rocker ratio of 1:1

OPV6BP270A	Fast Road For use in 2.5 engine	1800-6000	15BHP	248° 248°	.375" .375" 9.53mm 9.53mm	14 - 54 54 - 14	110° 110°		.032" .032" 0.81mm 0.81mm	HYDRAULIC
OPV6BP270B	Fast Road For use in 3.0 & 3.2 engine	2000-6500	20BHP	256° 256°	.415" .415" 10.54mm 10.54mm	18 - 58 58 - 18	110° 110°		.043" .043" 1.09mm 1.09mm	HYDRAULIC

OPEL / ASTRA / NOVA / 1.2 / 1.3 / 1.4 / 1.6 GTE

A13BP270H KBA13BP270H	Fast Road	2000-6500	12BHP	272° 272°	.444" .444" 11.29mm 11.29mm	28 - 64 64 - 28	108°		N/A N/A	HYDRAULIC
A13BP270Hi KBA13BP270Hi	Fast Road	2000-6000	10BHP	268° 268°	.444" .444" 11.29mm 11.29mm	24 - 64 64 - 24	110°		N/A N/A	HYDRAULIC
A13BP285H KBA13BP285H	Ultimate Road	2200-6800	14BHP	280° 280°	.487" .487" 12.37mm 12.37mm	33 - 67 67 - 33	107°		N/A N/A	HYDRAULIC
A13BP300H KBA13BP300H	Rally	2800-7500	-	300° 300°	.475" .475" 12.06mm 12.06mm	44 - 76 76 - 77	106°		N/A N/A	HYDRAULIC
A13BP320M	Race 1.3 Stock Rod	3500-8000	-	300° 300°	.485" .485" 12.32mm 12.32mm	44 - 76 76 - 44	106°		N/A N/A	.008" .010" .20mm .25mm
A13743	Race 1.4 Stock Rod	3500-8000	-	300° 308°	.465" .465" 11.81mm 11.81mm	44 - 76 80 - 48	106°		N/A N/A	.008" .010" .20mm .25mm

Please note:

Reprofile option - profiles may vary from specifications listed.

CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
FOLO6	-	-	-	-	-	
FOLO6	-	-	-	-	-	
FOLO6	-	-	-	-	-	

-	-	-	-	-	-	
-	-	-	-	-	-	

FOLAST*/ASTADJH*	VSSAST13	-	-	PULDA13 PULDGTE	TBP18/19/20	
FOLAST*/ASTADJH*	VSSAST13	-	-	PULDA13 PULDGTE	TBP18/19/20	
FOLAST*/ASTADJH*	VSSAST13	-	-	PULDA13 PULDGTE	TBP18/19/20	For use with 2 x 40 DOCE's.
FOLAST*/ASTADJH*	VSSAST13	-	-	PULDA13 PULDGTE	TBP18/19/20	Cam carrier requires skimming.
FOLAST	VSSAST13	-	-	PULDA13 PULDGTE	TBP18/19/20	
FOLAST	VSSAST13	-	-	PULDA13 PULDGTE	TBP18/19/20	

As well as camshafts, a timing disc and cam lube, items followed by a '*' are included in a kit.
Please see rear of catalogue for further details of each part number/s.

VAUXHALL

OPEL / ASTRA / CAVALIER / CALIBRA / VECTRA 1.6i / 1.8i / 2.0i 8v J SERIES

Valve lifts quoted assume a rocker ratio of 1.69:1

CAM CODE CAM KIT CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT		TIMING	FULL LIFT		LIFT AT TDC		VALVE CLEARANCE	
					INLET/EXHAUST	INLET/EXHAUST		INL ATDC	EXH BTDC	with clearance INLET/EXHAUST		INLET/EXHAUST	
A18BP270HA KBV18270HA	Fast Road	2000-6500	10BHP	272° 272°	.444" 11.29mm	.444" 11.29mm	28 - 64 64 - 28	108°		N/A	N/A	HYDRAULIC	
A18BP270HB KBV18270HB	Fast Road For use is SR1 130	2000-6500	10BHP	276° 268°	.465" 11.81mm	.444" 11.29mm	28 - 68 64 - 24	110°		N/A	N/A	HYDRAULIC	
A18BP285H KBV18285H	Ultimate Road	2200-6800	14BHP	280° 280°	.490" 12.45mm	.490" 12.45mm	33 - 67 67 - 33	107°		N/A	N/A	HYDRAULIC	
A18BP300M	Rally Mechanical	3000-7600	-	300° 300°	.513" 13.03mm	.513" 13.03mm	44 - 76 76 - 44	106°		N/A	N/A	.008" .010" .20mm .25mm	
A18BP320M	Race Mechanical	3500-8000	-	310° 310°	.559" 14.20mm	.559" 14.20mm	49 - 81 81 - 49	106°		N/A	N/A	.014" .016" .35mm .40mm	

CORSA / TIGRA 1.4 / 1.6 16v X14XE / X16XE

Valve lifts quoted assume a rocker ratio of 1:1

C16VBP270H KBC16VBP270H	Fast Road X14XE	1800-6800	10BHP	250° 240°	.354" 9.00mm	.329" 8.34mm	15 - 55 50 - 10	110° 110°	.017" .011" 0.43mm 0.29mm	HYDRAULIC	
C16VBP270H KBC16VBP270H	Fast Road X16XE	1800-6800	10BHP	256° 256°	.372" 9.45mm	.372" 9.45mm	18 - 58 58 - 18	110° 110°	.032" .032" 0.81mm 0.81mm	HYDRAULIC	
C16VBP285H KBC16VBP285H	Ultimate Road	2000-7000	14BHP	264° 264°	.395" 10.03mm	.395" 10.03mm	22 - 62 62 - 22	110° 110°	.058" .058" 1.47mm 1.47mm	HYDRAULIC	
C16VBP300H KBC16VBP300H	Rally	3000-7800	-	280° 278°	.450" 11.43mm	.435" 11.05mm	34 - 66 65 - 33	106° 106°	.108" .098" 2.74mm 2.49mm	HYDRAULIC	
C16VBP300M	Rally	3000-8000	-	290° 280°	.445" 11.56mm	.420" 10.67mm	39 - 71 66 - 34	106° 106°	.138" .106" 3.51mm 2.69mm	.012" .012" .30mm .30mm	
C16VBP320M	Race	4000-8500	-	300° 300°	.462" 11.73mm	.435" 11.05mm	48 - 72 74 - 46	102° 104°	.187" .146" 4.75mm 3.71mm	.012" .012" .30mm .30mm	

ASTRA / VX220 2.2 16v (ROLLER ROCKER TYPE) Z22SE

Valve lifts quoted assume a rocker ratio of 1.72:1

VX22BP270	Fast Road	2000-6800	10BHP	260° 260°	.423" 10.74mm	.423" 10.74mm	23 - 63 63 - 23	110° 110°	N/A N/A	HYDRAULIC	
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ECOTEC 1.8 - 2.0 16v X18XE / X20XE

Valve lifts quoted assume a rocker ratio of 1:1

ECOBP270H KBECOBP270H	Fast Road	1500-6500	10BHP	256° 256°	.372" 9.45mm	.372" 9.45mm	18 - 58 58 - 18	110° 110°	.032" .032" 0.81mm 0.81mm	HYDRAULIC	
ECOBP285H KBECOBP285H	Ultimate Road	2000-7000	14BHP	264° 264°	.395" 10.03mm	.395" 10.03mm	22 - 62 62 - 22	110° 110°	.058" .058" 1.47mm 1.47mm	HYDRAULIC	
ECOBP300H KBECOBP300H	Rally	3000-7800	-	280° 278°	.450" 11.43mm	.435" 11.05mm	34 - 66 65 - 33	106° 106°	.108" .098" 2.74mm 2.49mm	HYDRAULIC	

Please note:

Reprofile option - profiles may vary from specifications listed.
'PULDCOR' not suitable for use with standard ECU.

CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
FOLAST*/ASTADJH*	VSSAST18*	-	-	PULDA18	TBP21	
FOLAST*/ASTADJH*	VSSAST18*	-	-	PULDA18	TBP21	
FOLAST*/ASTADJH*	VSSAST18*	-	-	PULDA18	TBP21	For use with 2 x DCOE's.
FOLAST	VSSAST18	-	-	PULDA18	TBP21	
FOLAST	VSSAST18	-	-	PULDA18	TBP21	

FOLCOR*	VDSCOR VSSCOR	SC16 SC63	VDSCORK VSSCORK	PULDCOR	TBP42	'SSCOR' spring seat set.
FOLCOR*	VDSCOR VSSCOR	SC16 SC63	VDSCORK VSSCORK	PULDCOR	TBP42	'SSCOR' spring seat set.
FOLCOR*	VDSCOR VSSCOR*	SC16 SC63*	VDSCORK VSSCORK	PULDCOR	TBP42	'SSCOR'* spring seat set. Not recommended for use with standard injection.
FOLCOR*	VDSCOR* VSSCOR	SC16* SC63	VDSCORK VSSCORK	PULDCOR	TBP42	'SSCOR' spring seat set.
FOLCORM	VDSCOR VSSCOR	SC16 SC63	VDSCORK VSSCORK	PULDCOR	TBP42	'SSCOR' spring seat set.
FOLCORM	VDSCOR VSSCOR	SC16 SC63	VDSCORK VSSCOKR	PULDCOR	TBP42	'SSCOR' spring seat set.

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FOLECO*	-	-	-	PULDECO	TBP36	
FOLECO*	-	-	-	PULDECO	TBP36	Not recommended for use with standard injection.
FOLECO*	VDSECO*	SC58*	VDSECOK	PULDECO	TBP36	

As well as camshafts, a timing disc and cam lube, items followed by a '*' are included in a kit. Please see rear of catalogue for further details of each part number/s.

VAUXHALL

OPEL CORSA / ASTRA 1.8 ECOTEC 16v Z18XE

Valve lifts quoted assume a rocker ratio of 1:1

CAM CODE CAM KIT CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT INLET/EXHAUST	TIMING	FULL LIFT INL ATDC EXH BTDC	LIFT AT TDC with clearance INLET/EXHAUST	VALVE CLEARANCE INLET/EXHAUST
Z18BP270 KBZ18BP270	Fast Road	2000-6800	10BHP	240° 244°	.347" .344" 8.81mm 8.72mm	10 - 50 52 - 12	110° 110°	.017" .010" 0.44mm 0.26mm	HYDRAULIC

CORSA VXR 1.6 TURBO Z16LER

VXRBCP270	Fast Road	1800-6500		230° 230°	.321" .319" 8.15mm 8.10mm	5 - 45 45 - 5	110° 110°	.010" .012" 0.25mm 0.20mm	.008" .010" .20mm .25mm
VXRBCP285	Ultimate Road	2000-7000		240° 240°	.348" .346" 8.85mm 8.80mm	10 - 50 50 - 10	110° 110°	.016" .014" 0.41mm 0.36mm	.008" .010" .20mm .25mm

OPEL ASTRA / CAVALIER / CALIBRA 16v C20XE /C20LET Please note that the option of short or long exhaust camshaft option is available (ref pickup/distributor)

Valve lifts quoted assume a rocker ratio of 1:1

A16VBP270H KBA16VBP270H	Fast Road	1500-6700	15BHP	264° 264°	.400" .400" 10.16mm 10.16mm	22 - 62 62 - 22	110° 110°	.042" .042" 1.07mm 1.07mm	HYDRAULIC
A16VBP270HT KBA16VBP270HT	Fast Road Turbo	1800-6500	15BHP	256° 256°	.372" .372" 9.45mm 9.45mm	18 - 58 58 - 18	110° 110°	.032" .032" 0.81mm 0.81mm	HYDRAULIC
A16VBP285H KBA16VBP285H	Ultimate Road	2000-7200	20BHP	280° 278°	.450" .435" 11.43mm 11.05mm	34 - 66 65 - 33	106° 106°	.108" .098" 2.74mm 2.49mm	HYDRAULIC
A16VBP300H KBA16VBP300H	Rally	2600-7800	-	280° 280°	.455" .455" 11.56mm 11.56mm	34 - 66 66 - 34	106° 106°	.115" .115" 2.92mm 2.92mm	HYDRAULIC
A16VBP285M	Ultimate Road	2000-7200	20BHP	280° 268°	.437" .427" 11.10mm 10.85mm	34 - 66 60 - 28	106° 106°	.108" .074" 2.74mm 1.88mm	.008" .010" .20mm .25mm
A16VBP300M	Rally	3000-8000	-	290° 280°	.455" .420" 11.56mm 10.67mm	39 - 71 66 - 34	106° 106°	.138" .106" 3.51mm 2.69mm	.012" .012" .30mm .30mm
A16VBP320M	Race	4000-8500	-	300° 300°	.462" .435" 11.73mm 11.05mm	48 - 72 74 - 46	102° 104°	.187" .146" 4.75mm 3.71mm	.012" .012" .30mm .30mm
A16VHOTROD	Race Hot Rod	4000-8500+	-	304° 300°	.466" .440" 11.80mm 11.18mm	46 - 78 76 - 44	106° 106°	.170" .137" 4.32mm 3.48mm	.008" .010" .20mm .25mm
A16VPICKUP	Race Pick Up	3700-7800	-	296° 300°	.440" .440" 11.18mm 11.18mm	42 - 74 76 - 44	106° 106°	.161" .137" 4.09mm 3.48mm	.008" .010" .20mm .25mm
A16V2072	Race Hot Rod 2006	3700-7800	-	284° 276°	.450" .420" 11.42mm 10.66mm	40 - 64 62 - 34	102° 104°	.129" .101" 3.27mm 2.56mm	.008" .010" .20mm .25mm

ASTRA VXR 2.0 TURBO Z20LEH

Valve lifts quoted assume a rocker ratio of 1:1

VXRBP270H KBVXRBP270H	Fast Road	1500-6700	15BHP	254° 254°	.400" .400" 10.16mm 10.16mm	17 - 57 57 - 17	110° 110°	.035" .035" 0.89mm 0.89mm	HYDRAULIC
VXRBP285H KBVXRBP285H	Ultimate Road	2000-7200	25BHP	262° 262°	.425" .425" 10.80mm 10.80mm	21 - 61 61 - 21	110° 110°	.064" .064" 0.89mm 0.89mm	HYDRAULIC

Please note:

Reprofile option - profiles may vary from specifications listed.

CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
FOLCOR*	-	-	-	-	TBP43	

-	VSSCVXR	SC64	VSSCVXRK	-	TBP44	
-	VSSCVXR	SC64	VSSCVXRK	-	TBP44	

FOLAST16H*	VSSAST16	-	-	PULDA20 PULDA20B	TBP22 TBP35	
FOLAST16H*	VSSAST16	-	-	PULDA20 PULDA20B	TBP22 TBP35	For use in turbocharged engine.
FOLAST16H*	VDSAST16*	SC17*	VDSAST16K	PULDA20 PULDA20B	TBP22 TBP35	Not recommended for use with std injection. Piper valve springs 'VDSAST16' must be used.
FOLAST16H*	VDSAST16*	SC17*	VDSAST16K	PULDA20 PULDA20B	TBP22 TBP35	Piper valve springs 'VDSAST16' must be used.
FOLAST16M	VDSAST16	SC17	VDSAST16K	PULDA20 PULDA20B	TBP22 TBP35	Not recommended for use with std injection. Piper valve springs 'VDSAST16' must be used.
FOLAST16M	VDSAST16	SC17	VDSAST16K	PULDA20 PULDA20B	TBP22 TBP35	Piper valve springs 'VDSAST16' must be used.
FOLAST16M	VDSAST16	SC17	VDSAST16K	PULDA20 PULDA20B	TBP22 TBP35	Piper valve springs 'VDSAST16' must be used.
FOLAST16M	VDSAST16	SC17	VDSAST16K	PULDA20 PULDA20B	TBP22 TBP35	Piper valve springs 'VDSAST16' must be used.
FOLAST16M	VDSAST16	SC17	VDSAST16K	PULDA20 PULDA20B	TBP22 TBP35	Piper valve springs 'VDSAST16' must be used.
FOLAST16M	VDSAST16	SC17	VDSAST16K	PULDA20 PULDA20B	TBP22 TBP35	Piper valve springs 'VDSAST16' must be used.

FOLECO*	VDSAVXR	SC16	VDSAVXRK	PULDAVXR	TBP45	Only available on a new casting, milder spec. available as a reprofile.
FOLECO*	VDSAVXR	SC16	VDSAVXRK	PULDAVXR	TBP45	Only available on a new casting, milder spec. available as a reprofile.

As well as camshafts, a timing disc and cam lube, items followed by a ****** are included in a kit. Please see rear of catalogue for further details of each part number/s.

V.A.G - VOLKSWAGON / SEAT / SKODA / AUDI

LUPO / POLO 1.6 16V (AVY, ARC)

Valve lifts quoted assume a rocker ratio of 1:92

CAM CODE CAM KIT CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT INLET/EXHAUST		TIMING	FULL LIFT INL ATDC EXH BTDC		LIFT AT TDC with clearance INLET/EXHAUST		VALVE CLEARANCE INLET/EXHAUST	
LUPOBP270R	Fast Road	1500-6000	8BHP	254° 236°	.386" 9.80mm	.378" 9.60mm	20 - 54 45 - 11	107° 107°	N/A N/A	N/A N/A	HYDRAULIC		

POLO 1.4 16V (AFH) HYDRAULIC

POL16VBP270H	Fast Road	1500-6700	8BHP	240° 240°	.347" 8.80mm	.347" 8.80mm	10 - 50 50 - 10	110° 110°	.019" 0.48mm	.019" 0.48mm	HYDRAULIC	
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GOLF / POLO 1400 8V INC G40 HYDRAULIC

Valve lifts quoted assume a rocker ratio of 1:1

VPHBP270H KBVPHBP270H	Fast Road	1500-6700	8BHP	254° 254°	.400" 10.16mm	.400" 10.16mm	17 - 57 57 - 17	110°	.042" 1.07mm	.042" 1.07mm	HYDRAULIC	
G40BP270H KBG40BP270H	Fast Road For use in G40 supercharged engine.	1800-6500	15BHP	252° 274°	.372" 9.45mm	.433" 11.00mm	16 - 56 67 - 27	110°	.032" 0.81mm	.078" 1.98mm	HYDRAULIC	
VPHBP285H KBVPHBP285H	Ultimate Road	2000-7200	12BHP	268° 268°	.428" 10.87mm	.428" 10.87mm	26 - 62 62 - 26	108°	.069" 1.75mm	.069" 1.75mm	HYDRAULIC	
VPHBP300H KBVPHBP300H	Rally	3000-7800	-	280° 280°	.433" 11.00mm	.433" 11.00mm	34 - 66 66 - 34	106°	.098" 2.49mm	.098" 2.49mm	HYDRAULIC	

GOLF GTI Mk1 MECHANICAL

Valve lifts quoted assume a rocker ratio of 1:1

GTIBP270 KBGTIBP270	Fast Road	1800-6000	10BHP	276° 276°	.420" 10.67mm	.420" 10.67mm	30 - 66 66 - 30	108°	.102" 2.59mm	.100" 2.54mm	.008" .20mm	.010" .25mm
GTIBP285 KBGTIBP285	Ultimate Road.	2200-6500	14BHP	280° 280°	.430" 10.92mm	.428" 10.87mm	34 - 66 66 - 34	106°	.119" 3.02mm	.117" 2.97mm	.010" .25mm	.012" .30mm
GTIBP300	Rally	3000-7300	-	304° 304°	.435" 11.05mm	.435" 11.05mm	48 - 76 76 - 48	104°	.166" 4.22mm	.164" 4.17mm	.010" .25mm	.012" .30mm
GTIBP320	Race	3500-8000	-	316° 316°	.435" 11.05mm	.435" 11.05mm	54 - 82 82 - 54	104°	.171" 4.34mm	.169" 4.29mm	.008" .20mm	.010" .25mm
GTI528	Race Hot Road The ultimate oval race cam	4000-8500+	-	328° 328°	.552" 14.02mm	.552" 14.02mm	62 - 86 86 - 62	102°	.238" 6.04mm	.236" 5.99mm	.008" .20mm	.010" .25mm



CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
-	-	-	-	-	TBP47	-

-	-	-	-	-	TBP46	-
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FOLVWH*	-	-	-	-	-	-
FOLVWH*	-	-	-	-	-	-
FOLVWH*	-	-	-	-	-	-
FOLVWH*	-	-	-	-	-	-

-	-	-	-	PULDGTI*	TBP23	-
-	-	-	-	PULDGTI*	TBP23	-
-	-	-	-	PULDGTI	TBP23	-
-	-	-	-	PULDGTI	TBP23	-
-	-	-	-	PULDGTI	TBP23	-

As well a camshaft, timing disc and cam lube, items followed by a '*' are included in a kit.
Please see rear of catalogue for further details of each part number/s.

V.A.G - VOLKSWAGON

GOLF GTI 1800 8v HYDRAULIC

Valve lifts quoted assume a rocker ratio of 1:1

CAM CODE CAM KIT CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT		TIMING	FULL LIFT		LIFT AT TDC		VALVE CLEARANCE	
					INLET/EXHAUST	INLET/EXHAUST		INL ATDC	EXH BTDC	with clearance INLET/EXHAUST		INLET/EXHAUST	
GTIBP270H KBGTIBP270H	Fast Road	2000-6200	10BHP	260° 260°	.428" 10.87mm	.428" 10.87mm	22 - 58 58 - 22	108°		.069" 1.75mm	.069" 1.75mm	HYDRAULIC	
GTIBP285H KBGTIBP285H	Ultimate Road	2500-6800	15BHP	276° 276°	.450" 11.43mm	.450" 11.43mm	30 - 66 70 - 26	108°		.104" 2.64mm	.081" 2.06mm	HYDRAULIC	
GTIBP300H KBGTIBP300H	Rally	3000-7500	-	294° 294°	.445" 11.30mm	.445" 11.30mm	41 - 73 73 - 41	106°		.134" 3.40mm	.134" 3.40mm	HYDRAULIC	

GOLF GTI Mk3 & NEW BEETLE 2.0 8v

Valve lifts quoted assume a rocker ratio of 1:1

GTI20BP270H KBGTI20BP270H	Fast Road	2000-6000	10BHP	256° 264°	.417" 10.59mm	.428" 10.87mm	18 - 58 62 - 22	110°		.043" 1.09mm	.063" 1.60mm	HYDRAULIC	
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GOLF G60 SUPERCHARGED

Valve lifts quoted assume a rocker ratio of 1:1

G60BP270H KBG60BP270H	Fast Road	2000-6000	12BHP	260° 260°	.428" 10.87mm	.428" 10.87mm	16 - 64 64 - 16	114°		.040" 1.01mm	.040" 1.01mm	HYDRAULIC	
G60BP285H KG60BP285H	Ultimate Road	2400-6500	18BHP	268° 268°	.438" 11.13mm	.438" 11.13mm	20 - 68 68 - 20	114°		.042" 1.07mm	.042" 1.07mm	HYDRAULIC	

GOLF GTI 1.8 / 2.0 16v

Valve lifts quoted assume a rocker ratio of 1:1

V16VBP270H KBV16VBP270H	Fast Road	2000-6500	12BHP	264° 264°	.409" 10.39mm	.428" 10.87mm	22 - 62 62 - 22	110° 110°		.045" 1.14mm	.063" 1.60mm	HYDRAULIC	
V16VBP285H KBV16VBP285H	Ultimate Road	2500-7000	14BHP	274° 276°	.443" 11.00mm	.450" 11.43mm	29 - 65 66 - 30	108° 108°		.088" 2.24mm	.104" 2.64mm	HYDRAULIC	
V16VBP300H KBV16VBP300H	Rally	3000-7500	-	294° 294°	.445" 11.30mm	.445" 11.30mm	41 - 73 73 - 41	106° 106°		.134" 3.40mm	.134" 3.40mm	HYDRAULIC	
V16VBP300M	Rally	3000-7500	-	280° 280°	.440" 11.18mm	.438" 11.13mm	34 - 66 66 - 34	106° 106°		.120" 3.05mm	.118" 3.00mm	.008" .20mm	.010" .25mm
V16VBP320M	Race	4000-8000	-	290° 290°	.460" 11.68mm	.458" 11.63mm	43 - 67 69 - 41	102° 104°		.175" 4.45mm	.163" 4.14mm	.010" .25mm	.012" .30mm

CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
FOLVWH*	-	-	-	PULDGTI	TBP23	
FOLVWH*	-	-	-	PULDGTI	TBP23	
FOLVWH*	-	-	-	PULDGTI	TBP23	

FOLVWH*	-	-	-	-	TBP24	
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FOLVWH	-	-	-	PULDGTI	TBP23	
FOLVWH	-	-	-	PULDGTI	TBP23	

FOLVW16H*	-	-	-	PULDV16V PULSV16V	TBP25 TBP29	
FOLVW16H*	-	-	-	PULDV16V PULSV16V	TBP25 TBP29	Not recommended for use with standard injection.
FOLVW16H*	-	-	-	PULDV16V PULSV16V	TBP25 TBP29	
FOLVW16M	-	-	-	PULDV16V PULSV16V	TBP25 TBP29	Mechanical followers 'FOLV16VM' required.
FOLVW16M	-	-	-	PULDV16V PULSV16V	TBP25 TBP29	Mechanical followers 'FOLV16VM' required.

As well a camshaft, timing disc and cam lube, items followed by a "*" are included in a kit. Please see rear of catalogue for further details of each part number/s.

PIPER CAMS

V.A.G - VOLKSWAGON / SEAT / SKODA / AUDI

GOLF / VENTO VR6 2.8 / 2.9 12v

Valve lifts quoted assume a rocker ratio of 1:1

CAM CODE CAM KIT CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT		TIMING	FULL LIFT		LIFT AT TDC		VALVE CLEARANCE INLET/EXHAUST
					INLET/EXHAUST	INLET/EXHAUST		INL ATDC	EXH BTDC	with clearance INLET/EXHAUST		
VR6BP270HA KBVR6BP270HA	Fast Road 2.8L	1800-6000	15BHP	264° 264°	.428" 10.87mm	.428" 10.87mm	13 - 71 71 - 13	119°	.019" 0.49mm	.019" 0.49mm	HYDRAULIC	
VR6BP270HB KBVR6BP270HB	Fast Road 2.9L	1800-6000	15BHP	264° 264°	.428" 10.87mm	.428" 10.87mm	17 - 67 67 - 17	115°	.039" 0.98mm	.039" 0.98mm	HYDRAULIC	
VR6BP285H KBVR6BP285H	Ultimate Road	2500-6800	-	276° 276°	.450" 11.43mm	.450" 11.43mm	30 - 66 66 - 30	108°	.104" 2.64mm	.104" 2.64mm	HYDRAULIC	
VR6BP300H KBVR6BP300H	Rally	2700-7000	-	294° 294°	.445" 11.30mm	.445" 11.30mm	41 - 73 73 - 41	106°	.134" 3.40mm	.134" 3.40mm	HYDRAULIC	

1.8T 20V

Valve lifts quoted assume a rocker ratio of 1:1

AUD20TBP270	Fast Road	2000-6000	15BHP	252° 246°	.325" 8.26mm	.380" 9.66mm	14 - 58 55 - 11	112° 112°	.021" 0.53mm	.024" 0.60mm	HYDRAULIC
AUD20TBP285	Ultimate Road	2500-6500	20+BHP	256° 252°	.342" 8.69mm	.407" 10.34mm	18 - 58 56 - 16	110° 110°	.024" 0.60mm	.021" 0.53mm	HYDRAULIC
AUD20TBP300	Competition / Track Day	3500-7500	-	264° 268°	.350" 8.89mm	.433" 11.00mm	24 - 60 64 - 24	108° 110°	.045" 1.13mm	.064" 1.62mm	HYDRAULIC

1.9 DIESEL PD 'PUMP DUZE'

Valve lifts quoted assume a rocker ratio of 1:1

VWPD270	Fast Road	-	-	247° 247°	.382" 8.70mm	.382" 8.70mm	12 - 56 56 - 12	112° 112°	.014" 0.38mm	.017" 0.43mm	HYDRAULIC
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Please note:

Reprofile option - profiles may vary from specifications listed.

CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	OTHER/NOTES
FOLVR6H*	-	-	-	-	-	
FOLVR6H*	-	-	-	-	-	
FOLVR6H*	-	-	-	-	-	Not recommended for use with standard injection.
FOLVR6H*	-	-	-	-	-	

-	-	-	-	PULDV20V	TBP40 TBP41	
-	-	-	-	PULDV20V	TBP40 TBP41	
-	-	-	-	PULDV20V	TBP40 TBP41	

-	-	-	-	-	-	
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As well a camshaft/s, timing disc and cam lube, items followed by a '*' are included in a kit.
Please see rear of catalogue for further details of each part number/s.

PIPER CAMS

V.A.G - VOLKSWAGON / SEAT / SKODA / AUDI

5 CYLINDER 10V

CAM CODE CAM KIT CODE	APPLICATION	POWER BAND	POWER INCREASE	DURATION INLET/EXHAUST	VALVE LIFT INLET/EXHAUST		TIMING	FULL LIFT INL ATDC EXH BTDC		LIFT AT TDC with clearance INLET/EXHAUST		VALVE CLEARANCE INLET/EXHAUST	
AUD5BP270	Fast Road	1500-6000	10BHP	276° 276°	.379" 9.63mm	.377" 9.58mm	28 - 68 68 - 28	110° 110°	.054" 1.36mm	.052" 1.31mm	.012" .30mm	.014" .35mm	
AUD5BP285	Ultimate Road	2000-6500	14BHP	280° 280°	.426" 10.81mm	.424" 10.76mm	32 - 68 68 - 32	108° 108°	.097" 2.45mm	.095" 2.40mm	.017" .43mm	.019" .48mm	
AUD5BP300	Rally	3000-7000	-	300° 300°	.444" 11.27mm	.442" 11.22mm	44 - 76 76 - 44	106° 106°	.124" 3.14mm	.122" 3.09mm	.017" .43mm	.019" .48mm	

VOLVO

B18

Valve lifts quoted assume a rocker ratio of 1:5

VB18BP270	Fast Road	1500-6000	10BHP	276° 276°	.379" 9.63mm	.377" 9.58mm	28 - 68 68 - 28	110° 110°	.054" 1.36mm	.052" 1.31mm	.012" .30mm	.014" .35mm
VB18BP285	Ultimate Road	2000-6500	14BHP	280° 280°	.426" 10.81mm	.424" 10.76mm	32 - 68 68 - 32	108° 108°	.097" 2.45mm	.095" 2.40mm	.017" .43mm	.019" .48mm
VB18BP300	Rally	3000-7000	-	300° 300°	.444" 11.27mm	.442" 11.22mm	44 - 76 76 - 44	106° 106°	.124" 3.14mm	.122" 3.09mm	.017" .43mm	.019" .48mm
VB18BP320	Race	3700-7500	-	314° 314°	.506" 12.86mm	.504" 12.81mm	53 - 81 81 - 53	104° 104°	.180" 4.56mm	.178" 4.51mm	.016" .40mm	.018" .45mm

T5

Valve lifts quoted assume a rocker ratio of 1:1

V5BP270H	Fast Road	1800-6500	15BHP	240° 240°	.348" 8.84mm	.348" 7.87mm	10 - 50 50 - 10	110° 110°	.017" 0.22mm	.017" 0.22mm	HYDRAULIC	
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MISCELLANEOUS ITEMS

MITSHLA	Mitsubishi Evo HD hyd. adjusters
MITSAJDM	Mitsubishi Evo mech. adjusters
ASTADJH	Astra hydraulic adjusters
BSTUD	Ford SOHC ball studs std length
BSTUD33	Ford SOHC ball studs 33mm long
COSWASH	Cosworth YB 5mm thrust spacer
CLIO172STUD	Clio 172/182 exhaust pulley stud
CLIO172NUT	Clio 172/182 exhaust pulley nut
DISC	Timing disc
FVVTRING	Focus ST225/RS VVT control ring

LUBE	Sachet of cam lube
MINKEY2	A Series 2° offset key
MINKEY4	A Series 4° offset key
MINKEY6	A Series 6° offset key
PLATES	K Series VVC conversion plate kit
PRODISC	Professional 10" dia. alloy t/disc
PULDAUX	Ford SOHC alloy aux drive pulley
SBAR	Ford SOHC spray bar
SSCVH	CVH spring seats & seals
SSDUR	Duratec spring seats

SSB18	Volvo B18 spring seats
TCMIN	A series duplex timing chain
TCOP	Opel CIH duplex timing chain
TCV8	Rover V8 duplex timing chain
TCXF	Ford Xflow duplex timing chain
VSOXE	Vaux/Opel valve stem oil seals
VSODUR	Duratec oil seats
VSOOHC	Ford SOHC valve stem oil seals
XFDOW3	Ford XFlow 3° offset dowel
XFDOW7	Ford XFlow 5° offset dowel
XFDOW9	Ford XFlow 7° offset dowel

CAM FOLLOWERS	VALVE SPRINGS	VALVE SPRING CAPS	VALVE SPRING KIT	VERNIER PULLEY	UPRATED TIMING BELT	Notes
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	

FOLVB18	VDSB18	SC40	VDSB18K	-	-	SSB18 - Set volvo B18 spring seats
FOLVB18	VDSB18	SC40	VDSB18K	-	-	SSB18 - Set volvo B18 spring seats
FOLVB18	VDSB18	SC40	VDSB18K	-	-	SSB18 - Set volvo B18 spring seats
FOLVB18	VDSB18	SC40	VDSB18K	-	-	SSB18 - Set volvo B18 spring seats

-	-	-	-	-	-	
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Audi	
EX925043F	FPA 123 Audi Turbo Drain Gasket
C4247-051	VW/Audi 1800/2000cc 83mm 051" MLS Head Gasket
C4246-051	VW/Audi 1800/2000cc 83mm 051" MLS Head Gasket
C4541-051	VW/Audi 2.0L 61v 2005+ BWA/BPY 83.5mm Bore 0.051" MLS H/GAS

Austin Rover	
C4146-030	Austin Mini 1300cc 73mm Bore .030" MLS Head Gasket
C4146-040	Austin Mini 1300cc 73mm Bore .040" MLS Head Gasket
C4148-120	Austin Mini 1300cc 73mm Bore .120" MLS Head Gasket
C4148-040	MG Midget 1275cc 74mm Bore .040" MLS Head Gasket
C4147-040	MGB 4 Cyl 75-80 Head 83mm .040" MLS
H0525SP7030S	Austin Mini 1300cc 73.5mm Bore .030" MLS- No water holes
H0525SP3030S	Austin Mini 1300cc 73.5mm Bore .030" MLS - With water holes
H0525SP3040S	Austin Mini 1300cc 73.5mm Bore .040" MLS Head Gasket
H0525SPA030S	Austin Mini 1300cc 72.50mm Bore .030" Thickness
H0525SPA040S	Austin Mini 1300cc 72.50mm Bore .040" MLS Head Gasket
H0794SP7040S	MGB 1975-80 83.50mm Bore .040" MLS Head Gasket

BMW	
C4293-051	BMW 1766/1990cc 72-88 90mm .051" MLS M10 Engine
C4308-027	BMW Mini Cooper 78.5mm .027" MLS Head Gasket
C4328-120	BMW M50B25/M52B28 85mm Bore MLS Head Gasket
C4329-070	BMW B30/B32 Z3/M3 87mm Bore .070" MLS 5LYR H/Gasket
C4348-060	BMW 318/Z3 M42/M44 89-98 85mm Bore 0.060" MLS-5 H/Gasket
C4348-080	BMW 318/Z3 M42/M44 89-98 85mm Bore 0.080" MLS-5 H/Gasket
H1867SPD051XP	BMW M10 / M12 72-88 90mm Bore .051" MLS FWP
H1867SPG051XP	BMW M10/M12 90.00mm .051" MLS Head Gasket

Coventry Climax	
C4139-043	Coventry Climax 1.2 & 1.5L 78mm .043" CFM-20 Model FWB/E
C4267-059	Coventry Climax 2L FPF 82mm .059" CFM-2 Head Gasket
C4229-043	Coventry Climax 2L OB 80mm .043" CFM-20 Model FWA/B/E

Fiat	
C4124-040	Fiat/Lancia Delta 85mm Bore .040" Gasket

Ford	
C4218-040	Ford Pinto SOHC 2L 92.5mm .040" MLS Standard Head Gasket
C4279-027	Ford Focus/Contour/ZX2 87mm .027" MLS 2L-Zetec Head Gasket
C4280-040	Ford Focus ZX2 87mm
C4138-040	Cosworth 4 Valve FVC/FVA .040" MLS 87mm Bore
C4350-051	Ford Cosworth YB 92.5mm MLS .051" MLS Performance Group A
C4350-070	Ford Cosworth YB 92.5mm MLS .070" GPA MLS-5 Layer Head
C4494-040	Cosworth Ford BDG 2L .040" MLS Head Gasket

Ford	
C5756-051	Ford 1.6 & 1.8L CVH 83mm .051" MLS Head Gasket
C5756-070	Ford 1.6 & 1.8 CVH 83mm
H1267SP1040S	Ford Pinto SOHC 2L 94.5mm .040" MLS Standard Head Gasket
C4248	Ford/Cosworth YB Case Kit .060" AFM
VC051060AFM	Ford/Cosworth YB Valve Cover .060" AFM
H2389030S	Ford Duratech 2.3L 90mm .030" MLS Head Gasket
H2264SP6030S	Ford Duratech 2.3L 90mm .030" MLS W/12mm Stud Holes
C4174	Ford/Cos/Lotus BDA Case Kitbelt Driven DOHC 16v
C4271	Ford/Cos/Lotus FVC FVA Case Kit
WP126060AFM	Ford/Cos/Lotus 4Cyl Thermo
WP156060AFM	Ford Pinto/PB Thermostat Gasket .060" AFM
TC003060AFM	Ford/Cosworth/Lotus 4 Cyl Timing Cover .060" AFM
C4491	Ford/Lotus Twin Cam Case Kit
C4350-080	Cosworth YB 92.5mm Bore .080" MLS GPA
C4353-064	Ford/Cosworth BDA 4-Bolt Exhaust Gasket .064am
C4354-064	Ford/Cosworth BDA 3-Bolt Exhaust Gasket .064am
H2389050S	Ford Duratec 2.0/2.3 90mm Bore .050" MLS
H2389SP2030S	Ford Duratec 86mm Bore .030" MLS Head Gasket
H2389SP3060S	Ford Duratec 90.00mm Bore .060" MLS-5 Layer HG 12mm Studs
OP083060AFM	Ford/Cosworth/Lotus BDA Oil Pump .060" AFM Gasket
H1908SP2140S	Ford 1.6/1.8 CVH 84mm Bore .140" MLS-5 Head Gasket
EC570060AFM	Ford Cosworth 4 Cyl Rear Cover .060" AFM Gasket
EX1165064AM	Swedish Duratec Turbo .064" AM Exhaust Gasket
EX785SP3094C	Ford Duratec Copper Exhaust Gasket .094"

Honda	
C4250-051	Honda CRV 97-02 85mm Bore 0.051" MLS Head Gasket B20 Motor
C4255-030	Honda Prelude 87mm '92-'96 2.2 LTR VTEC .030" MLS Head H22"
C8702-027	Honda CBR1000RR 04-07 75mm Bore .027" MLS Head Gasket
C8499	Honda CBR1100XX 97-03 81mm Bore .030" MLS Head Gasket
C8736	Honda CBR600RR 07 68.5mm Bore .027" MLS Head Gasket
C7826	Honda TRX400/XR440 '96-'05 89mm
C4313-030	Honda K20 / K24 89mm Bore 0.030" MLS Head Gasket
C8702-018	Honda CBR1000RR 07-07 75mm Bore 0.018" MLS
C8736-018	Honda CBR600RR 07-10 68.5mm Bore .018 MLS HG

Jaguar	
H1763SP1040XP	Jaguar 3.8L 6 Cyl 89mm Bore .040" MLS Head Gasket
H1763SP1051XP	Jaguar 3.8L 6 Cyl 89mm Bore .051" MLS Head Gasket
H1762SP204XP	Jaguar 3.4L 6 Cyl 85mm Bore .040" MLS Head Gasket
H1762SP3040XP	Jaguar 3.4L 6 Cyl 85mm Bore .040" MLS Head Gasket
VC053060AFM	Jaguar 3.4/3.8/4.2L Cam Cover .060" trim to fit all models
WP132060AFM	Jaguar 3.4/3.8L Thermostat Cover .060" AFM Gasket
C4127-040	Jaguar 4.2L 6 Cyl 68- Bore 3.690" 0.040" MLS w/ bolt hole pocket

Jaguar	
C4128-040	Jaguar 4.2L 6 Cyl 68- Bore 3.670" 0.040" MLS w/ bolt hole pocket
C4220-059	Jaguar 4.2L 6 Cyl 68- 93mm Bore 0.059" CFM-20 Head Gasket
C4306-060	Jaguar 3.4L 6 Cyl 89mm Bore .060" MLS-5 Head Gasket
C4338-059	Jaguar 4.2L Series-1 65-67 93mm Bore 0.059" CFM-20
IR315060AFM	Jaguar 3.8/4.2 STR Port AFM Intake Gasket
IR326060AFM	Jaguar 3.4/3.8 B Type Head AFM Intake Gasket

Kawasaki	
C8570	Kaw ZX-9R 00-03 77mm Bore .027" MLS Head Gasket
C8460-018	Kaw ZX-14 06-UP 84mm Bore 0.18" MLS Head Gasket

Lancia	
C4124-040	Fiat/Lancia Delta 85mm Bore .040" Gasket

Lotus	
C4133-030	Lotus 4 Cyl 85mm Bore 0.030" MLS Head Gasket
C4133-040	Lotus 4 Cyl 85mm Bore 0.040" MLS Head Gasket
C4142-030	Lotus 4 Cyl 86mm Bore 0.030" MLS Head Gasket
C4142-040	Lotus 4 Cyl Head Gasket 86mm .040 MLS
C4103-040	Lotus 4 Cyl Head Gasket 83mm .040 MLS
H0464SP5040XP	Lotus Twin Cam 84mm Head .040" XP w/ Non Embossed Center
C4271	Ford Cos/Lotus FVC.FVA Case Kit
WP126060AFM	Ford/Cos/Lotus 4 Cyl Thermo
TC003060AFM	Ford/Cos/Lotus 4 Cyl Timing Cover .060" AFM
C4491	Ford/Lotus Twin Cam Case Kit
C4355-064	Lotus T/C Exh 1.3" DIA .064" Armour 400

Mazda	
C4122-027	Mazda MX5 Miata 1.6L
C4122-040	Mazda MX5 Miata 1.6L

Mitsubishi	
C4233-051	Mitsubishi 4G63/T 85.5mm .051" MLS Eclips Galant Lancer Thru EVO3
C4234-051	Mitsubishi Evo 86mm Bore .051" MLS Head Gasket
C4156-051	Mitsubishi Lancer Evo 4-8 86mm Bore .051" MLS 4G63 Motor 96-Up
C4243-051	Mitsubishi 6G72/6G72D4 V-6 93mm .051" MLS Diamante 3000GT

Nissan	
C4218-040	Nissan SR20DE/DET 88.5mm FWD 0.040 MLS w/ no extra oil holes
C4283-051	Nissan SR20 DE/DET S14 88.5mm Bore 0.051" MLS w/ both add oil
C4283-066	Nissan SR20DE/DET S14 88.5mm Bore 0.066" MLS-5 both add oil ho
C4318-051	Nissan RB-25 6 Cyl 87mm 0.051" MLS Head Gasket
C4318-060	Nissan RB-25 6 Cyl 87mm Bore 0.060" MLS Head Gasket
C4320-051	Nissan RB-26 6 Cyl 87mm 0.051" MLS Head Gasket
SCRM29255	Nissan VG30DE 90-96 Rear Main Seal
SCTC12400	Nissan KA24DE 91-98 Front Crank Seal
PRO2018B	Nissan CA18DET 89-93 Bottom End Gasket Kit

Nissan	
PRO2018B	Nissan CA18DET 89-93 84mm Top End Gasket Kit
C4480-051	Nissan CA18 DOHC 84-87 85mm Bore Sky/Sun/200SX 0.051"
H1796SPC045S	Nissan SR20DE/DET 90mm Bore Epplogo 0.045" MLS w/ both add oil

Peugeot	
C4227-051	Peugeot 405 Mi16 86.5mm Bore 0.051" MLS
C4228-051	Peugeot 405 Mi16 88mm Bore 0.051" MLS
C4225-051	Peugeot P405 M-16 84mm 0.051" MLS Head Gasket
C4493-060	Peugeot 106 16v 97-05 79mm 0.060" MLS-5 1.6L TU5J4 Motor

Porsche	
C472-040	Porsche 944 2.5L 100.5mm 0.040" MLS Head Gasket
C4149-050	Porsche 924 HD GSKT 88mm 0.050" Copper Head Gasket

Renault	
C4519-030	Renault Clio 16v 1.8/2.0 84.5mm 0.030" MLS Head F4P / F4R Motor
C4540-051	Renault Clio 16v 1.8/2.0 84mm 0.051" MLS '89-99' F7P/F7R Motor
C4518-030	Renault Clio 16v F4P/F4R 1.8/2.0 83mm Bore 0.030" MLS Head G

Rover	
C4367-040	Rover V8 89mm Bore 0.040" MLS 14 Bolt Head 70-93"
C4366-040	Rover V8 89mm Bore 0.040" MLS 10 Bolt Head 94-UP"

Suzuki	
C8302	Suzuki GSX-R600 06-07 68mm Bore 0.027" MLS Head Gasket
C8302-018	Suzuki GSX-R600 06-07 68mm Bore 0.018" MLS Head Gasket
C8717	Suzuki GSX-R750 06-07 70mm 0.027" MLS Head Gasket
C8717-018	Suzuki GSX-R750 06-07 70mm Bore 0.018" MLS Head Gasket
C8214	Suzuki GSXR750/1000 '00-'08 75mm 0.030" MLS Head Gasket
C8214-018	Suzuki GSXR750/1000 '00-'08 75mm 0.018" MLS Head Gasket
C8656	Suzuki GSX1300R Busa 99-UP 81mm 0.030" MLS Head Gasket
C8656-018	Suzuki GSX1300R Busa 99-UP 81mm 0.018" MLS Head Gasket
C8660	Suzuki GSX1300R Busa 99-UP 82mm 0.030 MLS Head Gasket
C8657	Suzuki GSX1300R Busa 99-Up 83mm 0.030" MLS Head Gasket
C8657-018	Suzuki GSX1300R Busa 99-Up 83mm 0.018" MLS Head Gasket
C8658	Suzuki GSX1300R Busa 99-Up 84mm 0.030" MLS Head Gasket
C8659	Suzuki GSX1300R Busa 99-UP 85mm 0.030" MLS Head Gasket
C8659-018	Suzuki GSX1300R Busa 99-UP 85mm 0.018" MLS Head Gasket
C8585	Suzuki GSX1300R BUSA 99-UP Base 0.010" S/S Gasket 1299-1360CC
C8742	Suzuki GSX-R600 06-08 750 06-08 Engine Case Rebuild Kit
C8752AFM	Suzuki GSXR1000 2007-08 AFM Engine Case Rebuild Kit
C8587AFM	Suzuki GSX1300R Busa 99-Up AFM Engine Case Rebuild Kit
EC945032AFM	Suzuki GSXR750/1000 '04-'05 Cam 0.032" AFM Chain Tensioner GSKT
OP269060AFM	Suzuki GSX-R1000 07-08 Oil Pan 0.060" AFM Gasket

Suzuki	
C8772-018	Suzuki GSXR1000K9 - L2 74.5mm Bore MLS Gaskets

Subaru	
C4261-045	Subaru EJ20GN Turbo 93mm 0.045" MLS GSK-DOHC 16v Turbo
C4263-051	Subaru EJ22E Turbo 98mm 0.051" MLS GSK SOHC 16v Turbo

Toyota	
C4314-040	Toyota 3S-GE/3S-GTE 87mm 87-97 0.040" MLS Head Gasket
C4276-060	Toyota 2ZZ Supra 93-87mm Bore MLS Head Gasket
C4278-066	Toyota Supra '87-'92' 84mm Bore
C4278-080	Toyota Supra 7MGTE 87-92 84mm Bore 0.080" MLS-5 Head Gasket
C4170-040	Toyota 4AG-GE 81mm Bore 0.040" MLS Head Gasket
C4166-040	Toyota 4AG-GE 83mm 0.040" MLS Head Gasket
C4275-051	Toyota Supra '87-'92' 86mm 0.051" MLS 7MGTE Motor
C4413	Toyota 4AGE 88-91 Comp Kitw/O Head Gasket

Vauxhall	
C4129-059	Vauxhall/Opel 2.3 4 Cyl 99mm Bore 0.059" CFM HG
C4257-051	Vauxhall/Opel 16v 1.6L 82mm 0.051" MLS Head Gasket
C4216-051	Vauxhall 16 Valve 2L 88mm 0.051" MLS Head Gasket
C4216-070	Vauxhall 16 Valve 2L 88mm 0.070" MLS 5-Layer Gasket
C5768-040	GM Ecotec 2.2L DOHC 87mm 0.040" MLS Head-L61/L42 Motot

Volkswagen	
C4247-051	VW/Audi 1800/2000CC 83mm 0.051" MLS Head Gasket
C4246-051	VW/Audi 1800/2000CC 85mm 0.051" MLS Head Gasket
C4541-051	VW/Audi 2.0L 16v 2005+ BWA/BPY 83.5mm Bore 0.051" MLS Head G

Volvo	
C4289-045	Volvo B20A/E/F Motor 92mm 0.045" MLS Head Gasket 1968-Up
C4288-045	Volvo B20A/E/F Motor 90mm Bore 0.045" MLS H/Gasket
C4287-045	Volvo B18A/B/D Motor 86mm 0.045" MLS Head Gasket 1961-68"
H1840SP3040S	Volvo B18A/B/D Motor 89mm Bore 0.040" MLS HG

Yamaha	
EC1152032AFM	Yamaha YZF-R6 06-07 Cam Chain 0.032" AFM Tensioner Gasket
C8285	Yamaha FJ1100, 1200 Legend Approve 77.5mm 1195 Thru 1202cc S/S
C8146	Yamaha FJ1100/1200 Eng. Case Kitlegend Approved
C8686	Yamaha R1 '04-'05 78mm Head 0.018" MLS
C8710	Yamaha YZF-R6 06-08 68mm Bore 0.027" MLS Head Gasket
C8720	Yamaha YZF-R6 06-08 Engine Caserebuild Kit
OP201032AFM	Yamaha YZF-R6 06-07 Oil Pan 0.032" AFM Gasket
C8612AFM	Yamaha YZF600R 1999-01 Kitengine Case Rebuild
C8683	Yamaha R6 03-05 Engine Case Rebuild Kit

Yamaha	
C8686	Yamaha R1 04-05 Engine Case Rebuild Kit
H2258030S	Yamaha R1 "04-06" 78mm Bore 0.030 MLS Head Gasket
C8710-18	Yamaha YZF-R6 06-08 68mm Bore 0.018" MLS Head Gasket
C8710-27	Yamaha YZF-R6 06-08 68mm Bore 0.027" MLS Head Gasket
C8794	Yamaha YZF R1 09-10 79mm Bore 0.018" Thick MLS
C8796	Yamaha YZF R1 09-10 0.010" RC Base Gasket

Many more Cometic Gaskets available, please contact us for more information.



CAMSHAFT FOLLOWERS

Part number	Description
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ALFA ROMEO	
FOLAR16V	ALFA ROMEO 2.0 16v HYD

AUSTIN	
FOLAHR	HEALEY 3000

BMC	
FOLMIN	A SERIES
FOLMINR	A SERIES RACE (with oil drain hole)
FOLB	POST '71 B SERIES 18v
FOLB2	PRE '71 B SERIES

FORD	
FOLBDA	BDA
FOLCOSH	COSWORTH YB 16V HYD
FOLCOSMGPA	COSWORTH YB 16V MECH
FOLCVH	CVH HYD
FOLST170	FOCUS ST170& ZETEC R SOLID TAPPET 30.00MM
FOLFN	PRE XFLOW NARROW STEM
FOLFW	XFLOW 711M WIDE STEM
FOLOHC	OHC 1.6/2.0
FOLV6	V6 3.0 ESSEX
FOLV6G	V6 2.3/2.8/2.9 GERMAN
FOLZETAH	ZETEC E HYD
FOLZETAM	ZETEC E MECH
FOLZETAM31	ZETEC 31mm MECH FOLLOWERS
FOLCOSMLS	COSWORTH YB LONG STEM MECH
FOLPUM	1.7 COMPETITION SOLID FOLLOWER SET

PEUGEOT & CITROEN	
FOLVTSH	106 GTI / SAXO VTS 16V HYD
FOLVTSM	106 GTI / SAXO VTS 16V MECH
FOLM16H	1.9 / 2.0 MI16 16V HYD
FOLM16M	1.9 / 2.0 MI16 16V MECH
FOLGTI6H	306 GTI6 HYD
FOLGTI6M	306 GTI6 MECH
FOLP13	205/106 1.3/1.4
FOLP16	205/309 1.6/1.9
FOLP206H	206 GTI HYD
FOLP206M	206 GTI MECH



Part number	Description
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RENAULT	
FOLCLIOH	CLIO 16V HYD
FOLCLIOM	CLIO 16V MECH

ROVER	
FOLKH	K SERIES HYD
FOLKM	K SERIES MECH
FOLKV6H	K SERIES V6 HYD
FOLTH	T SERIES HYD
FOLTM	T SERIES MECH
FOLV8	ROVER V8 HYD
FOLV8M	ROVER V8 MECH

TRIUMPH	
FOLT	1.2/1.3/1.5 4 CYL
FOLT6	2.0/2.5 6 CYL
FOLTR4	2.0 /2.2

VAUXHALL	
FOLOP	1.6/1.9/2.0 CIH MEC H
FOLAST	ASTRA 1.3/1.8 FWD
FOLASTM	ASTRA FWD WITH ADJ HOLES
FOLAST16H	ASTRA 2.0 16V HYD
FOLCOR	CORSA/TIGRA 1.4/1.6 16V HYD
FOLCORM	CORSA/TIGRA 1.4/1.6 16V MECH

VOLKSWAGEN	
FOLAUD5	AUDI 5 CYL 10V HYD
FOLVWH	1.3/1.4/1.6/1.8/2.0 HYD
FOLVW16H	16V HYD
FOLVW16M	16V MECH

VOLVO	
FOLVB18	B18 VOLVO

VERNIER PULLEYS - most available in black, red or blue.

Part number	Description	Material
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BMC

PULSMIN	A SERIES DUPLEX KIT	STEEL
PULDMIN	A SERIES DUPLEX KIT	ALLOY
PULSB	B SERIES DUPLEX KIT	STEEL
PULSBS	B SERIES CAM SPROCKET	STEEL

FIAT

PULDUNO	UNO TURBO/PUNTO/GT	ALLOY
PULD19	X19/128 1300/1500 SOHC	ALLOY
PULDFTC	PR 1.6/1.8/2.0 TWIN CAM	ALLOY
PULDFIRE	FIAT FIRE	ALLOY

FORD

PULDOHC	OHC 1.6.2.0 PINTO	ALLOY
PULDCVH	CVH 1.3/1.6	ALLOY
PULSXF	XFLOW DUPLEX KIT	STEEL
PULDCOS	PR COSWORTH 16V	ALLOY
PULZETA	PR ZETEC 16V	ALLOY
PULSDUR	PR DURATEC 16V	STEEL
PULDFOC	PR FOCUS 16V	ALLOY
PULDPUM	PUMA 1.7 16V EXH ONLY	ALLOY
PULDST170	FOCUS ST170 EXH ONLY	ALLOY

HONDA

PULDVTEC	PR VTEC 1.6 16V	ALLOY
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JAGUAR

PULSJAG	SET JAG V6	STEEL
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HYUNDAI

PULDHYN	HYUNDAI ACCENT	ALLOY
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MITSUBISHI

PULDMITS	PR MITSUBISHI EVO 4/5/6/7/8	ALLOY
PULDMITS9	MITSUBISHI EVO 9 EXH ONLY	ALLOY

NISSAN

PULSSR20	PAIR PULSAR GTIR	STEEL
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Part number	Description	Material
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PEUGEOT

PULDVTR	SAXO VTR	ALLOY
PULDVTS	PR SAXO VTS 16V	ALLOY
PULDMI16	PR MI16	ALLOY
PULD205	106 1.4 & 205 1.3/1.6/1.9 gti	ALLOY
PULD306TD	306 1.9 TURBO DIESEL	ALLOY
PULDXSI	2.0 8V Xsi	ALLOY
PULDGTI6**	PR 306 GTI6 16V	ALLOY
PULD206	PR 206 GTI	ALLOY

PORSCHE

PULDPOR	PORSCHE 924	ALLOY
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RENAULT

PULSR5	REN 5 GT TURBO	STEEL
PULDCLIO	PR CLIO 16V	ALLOY

ROVER

PULSV8	V8 DUPLEX KIT 3.5/3.9 only	STEEL
PULDK	PR K SERIES	ALLOY
PULDT	PR T SERIES	ALLOY

TOYOTA

PULD3SG	PR TOYOTA 3SGE/3SGTE	ALLOY
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VAG

PULDAUD	AUDI 4 CYL 8V/ 5CYL 10V	ALLOY
PULDGTI	GOLF 1.6/1.8/2.0 & G60/ AUDI 80	ALLOY
PULDV16V	GOLF 16V EXTERNAL PULLEY	ALLOY
PULSV16V	GOLF 16V INTERNAL SPROCKET	STEEL
PULDV20V	VAG 20V EXTERNAL PULLEY	ALLOY

VAUXHALL

PULSOP	1.6/1.2.0 C.I.H DUPLEX KIT	STEEL
PULDA13	1.3 ASTRA / NOVA	ALLOY
PULDGTE	1.4/1.6 GTE (ROUND TOOTH)	ALLOY
PULDA18	1.6/2.0 ASTRA/ CAVALIER	ALLOY
PULDA20	PR C20 XE 2.0 16V UP TO '93	ALLOY
PULDA20B	PR C20 XE 2.0 16V '93 ON - LOW NOISE	ALLOY
PULDCOR**	PR CORSA 16V	ALLOY

** - These pulleys do not have sensor pick-ups, onlt suitable for and ECU triggered elsewhere.

VALVE SPRINGS & SPRING KITS



The below valve springs include seats and seals if applicable, they can be purchased as a kit that also includes springs caps if available - simply add a 'K' to the end of the part number.

PART NO.	APPLICATION	CAPS	SEATS	SEALS	TYPE	RATE (N/mm)	RATE (Lbf/inch)	SEAT PRESSURE (Lbf)	SEAT PRESSURE (KG)	FITTED LENGTH (mm)	NOMINAL I.D. (mm)	NOMINAL O.D. (mm)	CRUSH HEIGHT (mm)
AUSTIN													
VDSAH6	HEALEY 3000				DOUBLE	50	286	84	38	39.00	18.80	33.00	21.92
BMC													
VDSMIN2	A SERIES				DOUBLE	39	223	85	39	35.00	16.00	29.10	22.02
VDSMINR	A SERIES FULL RACE				DOUBLE	55	312	70	32	34.00	15.20	27.70	18.64
VSSB	B SERIES 18v post 71				SINGLE	42	240	80	36	38.00	21.80	30.00	23.21
VDSB2	B SERIES				DOUBLE	40	228	130	59	38.00	18.60	33.20	23.78
CITROEN / PEUGEOT													
VSSVTR	SAXO VTR (ROLLER TYPE)				SINGLE	41	233	67	30	37.50	20.00	28.00	24.80
VSSVTR2	SAXO VTR (NON - ROLLER TYPE)				SINGLE	48	276	78	35	40.74	20.10	28.30	25.01
VDSVTS	SAXO VTS 16V	SC18	YES		DOUBLE	45	259	43	20	37.20	13.50	25.10	20.46
VSSP13	PEUGEOT 1360cc				SINGLE	42	240	76	34	38.50	21.80	30.00	23.21
VDSP16	PEUGEOT 1.6/1.9 RACE	SC35	YES		DOUBLE	50	286	29	13	39.00	18.80	33.00	21.92
VDSP306	PEUGEOT 306 GTI 6	SC14			DOUBLE	55	312	70	32	34.00	15.20	27.70	18.64
VDSMI16	PEUGEOT MI 16	SC26			DOUBLE	48	275	56	26	37.00	15.60	28.50	22.27
VSSP206A	PEUGEOT 206 GTI - SUIT HYD LIFTERS	SC27			SINGLE	42	242	55	25	37.20	18.08	25.60	23.50
VSSP206B	PEUGEOT 206 GTI - SUIT MEC LIFTERS	SC28			SINGLE	42	242	55	25	37.20	18.08	25.60	23.50
FIAT													
VDSFTC	TWIN CAM 8V				DOUBLE	49	278	49	22	37.10	18.05	31.65	20.30
VDSPUN	PUNTO GT TURBO				DOUBLE	49	278	49	22	37.10	18.05	31.65	20.30
FORD													
VSSNFV6	V6 2.5/3.0 NOBLE-ST MONDEO	SC54			SINGLE	42	242	57	26	37.00	18.08	25.60	23.50
VSSF	XFLOW				SINGLE	43	246	84	38	34.00	20.10	27.90	21.94
VDSF2	XFLOW	SC9		YES	DOUBLE	46	264	81	37	32.10	18.35	31.70	20.00
VDSFR	XFLOW RACE	SC9			DOUBLE	49	278	52	24	36.83	18.05	31.65	20.30
VDSFBPR	XFLOW RACE	SC10			DOUBLE	55	312	70	32	34.00	15.20	27.70	18.64
VSSOHC	OHC				SINGLE	42	240	80	36	36.80	22.30	30.50	22.26
VDSOHC	OHC RACE				DOUBLE	48	276	45	20	37.50	18.05	31.65	20.30
VSSCVH	CVH		YES	YES	SINGLE	48	275	99	45	37.10	23.30	32.00	23.06
VDSCVH2	CVH	SC34	YES	YES	DOUBLE	51	290	87	40	37.10	18.35	32.45	25.00
VSSV6	V6 3L ESSEX				SINGLE	41	232	67	30	38.85	23.95	32.45	23.16
VSSZETA	ZETEC 16V 1.6/1.8/2.0 HYD				SINGLE	42	242	55	25	37.20	18.08	25.60	23.50
VDSCOS	COSWORTH 16V				DOUBLE	55	312	70	32	34.00	15.20	27.70	18.64
VSSDUR	DURATEC	SC20B			SINGLE	42	242	48	22	38.00	18.08	25.60	23.50
VDSDUR	DURATEC	SC22	YES	YES	DOUBLE	52	297	45	20	38.00	15.50	28.50	22.27
VSSFOC16	FOCUS 1.6 16V	SC24			SINGLE	36	207	50	23	38.00	16.00	22.74	24.00
VSSFECO16K	FORD ECOBOOST ST180 1.6L TURBO	SC80			SINGLE	36	208	66	30	36.00	16.00	22.80	23.80
VSSFECO20	FORD ECOBOOST 2.0L & 2.3L TURBO	SC78			SINGLE	42	242	48	22	38.00	18.08	25.60	23.50
VDSFECO20	FORD ECOBOOST 2.0L & 2.3L TURBO	SC79	YES	YES	DOUBLE	52	297	45	20	38.00	15.50	28.50	22.27
VSSRS225	DURATEC I5 ST / RS 5 CYL	SC20RS225			SINGLE	42	242	48	22	38.00	18.08	25.60	23.50
VSSST170	FOCUS ST170	SC37			SINGLE	42	242	55	25	37.20	18.08	25.60	23.50
VDSRS225	DURATEC I5	SC22RS225	YES	YES	DOUBLE	52	297	45	20	38.00	15.50	28.50	22.27

VALVE SPRINGS & SPRING KITS



The below valve springs include seats and seals if applicable, they can be purchased as a kit that also includes springs caps if available - simply add a 'K' to the end of the part number.

PART NO.	APPLICATION	CAPS	SEATS	SEALS	TYPE	RATE (N/mm)	RATE (Lbf/inch)	SEAT PRESSURE (Lbf)	SEAT PRESSURE (KG)	FITTED LENGTH (mm)	NOMINAL I.D. (mm)	NOMINAL O.D. (mm)	CRUSH HEIGHT (mm)
FORD													
VDSZETAR	FOCUS 1.8/2.0 16V ZETEC BLACK TOP	SC71			DOUBLE	45	258	43.43	20	37.20	13.50	25.10	20.46
VSSRS2	RS2000 16v				SINGLE	42	242	55.25	25	37.20	18.08	25.60	23.50
HONDA													
VDSVTEC	VTEC 1.6 16V				DOUBLE	46	263	50.13	23	34.00	16.70	29.10	19.98
JAGUAR													
VDSJV6					DOUBLE	52	297	45.00	20	38.00	15.30	28.50	22.27
VDSJAG6	JAGUAR XK 6CYL 3.8/4.2	SC55			DOUBLE	55	312	70.00	32	34.00	15.20	27.70	18.64
MINI													
VSSMITS	EVO	SC21			SINGLE	48	276	74.96	34	41.00	20.10	28.30	25.01
RENAULT													
VSSR5	5 GT TURBO				SINGLE	28	162	68.13	31	34.00	21.70	29.10	22.03
VDSMEG	MEGANE / CLIO 16V	SC29			DOUBLE	53	301	79.18	36	38.50	16.00	30.50	22.26
ROVER													
VSSV8	ROVER V8				SINGLE	43	246	70.31	32	40.40	22.25	30.75	25.29
VTSV8	ROVER V8				TRIPLE	49	282	76.37	35	38.00	16.30	31.05	21.59
VSSK	K SERIES 16V				SINGLE	42	242	55.25	25	37.20	18.08	25.60	23.50
VDSK	K SERIES 16V				DOUBLE	45	258	43.43	20	37.20	13.50	25.10	20.46
VSSK	K SERIES V6 24V				SINGLE	42	242	55.25	25	37.20	18.08	25.60	23.50
VDSKV6	K SERIES V6 24V				DOUBLE	45	258	43.43	20	37.20	13.50	25.10	20.46
SUBARU													
VDSFA20K	SUBARU/TOYOTA FA20/4U-GSE	SC77			DOUBLE	44	248	70.92	32	32.60	15.60	27.50	18.00
VSSFA20K	SUBARU/TOYOTA FA20/4U-GSE	SC77			SINGLE	35	197	67.36	31	32.60	20.60	27.70	18.64
TOYOTA													
VSS3SG	TOYOTA 2.0 16V 3SGE & 3SGTE				SINGLE	34	197	68.13	31	32.50	20.60	27.70	18.64
VDS3SG	TOYOTA 2.0 16V 3SGE & 3SGTE				DOUBLE	49	280	67.05	30	34.00	15.20	27.70	18.64
TRIUMPH													
VSSTR4	1500 SPITFIRE				SINGLE	43	246	74.10	34	35.00	20.10	27.90	21.94
VSSTR6	TR6				SINGLE	43	246	74.10	34	35.00	20.10	27.90	21.94
VDSTR6	TR6				DOUBLE	49	277	70.88	32	35.00	20.19	29.10	22.02
VAUXHALL													
VSSAST13	ASTRA / NOVA 1.3				SINGLE	34	197	68.13	31	32.50	20.60	27.70	18.64
VSSAST18	ASTRA / CAV 1.6 / 1.8				SINGLE	28	160	68.81	31	38.00	25.00	33.20	23.78
VSSAST16V	ASTRA 2.0 16V C20XE / LET				SINGLE	43	246	83.76	38	34.00	20.10	27.90	21.94
VDSAST16V	ASTRA 2.0 16V C20XE / LET	SC17			DOUBLE	47	267	67.05	30	34.00	15.20	27.70	18.64
VSSOP	C.I.H. 1.6 / 1.9 / 2.0		YES		SINGLE	44	251	121.29	55	40.00	25.00	34.00	26.55
VDSCOR	CORSA 16V X14XE / X16XE	SC16	YES		DOUBLE	47	267	70.12	32	34.00	15.20	27.70	18.64
VSSCOR	CORSA 16V X14XE / X16XE	SC63	YES		SINGLE	43	246	61.54	28	36.30	20.10	27.90	21.65
VSSCVXR	CORSA 16V VXR Z16LER	SC64			SINGLE	36	207	58.06	26	37.00	16.00	22.74	24.00
VOLVO													
VDSB18	VOLVO B18	SC40	YES		DOUBLE	55	312	82.46	37	33.00	15.20	27.70	18.64

COMPETITION TIMING BELTS

PART NO.	APPLICATION
CITROEN & PEUGEOT	
TBP10	AX 1.0/1.1
TBP11	AX 1.4 '88-91
TBP13	BX GTI 1.6/1.9 to 01-'92
TBP15	BX 1.9 MI16 '87-93
TBP11	SAXO 1.4
TBP12	SAXO 1.6 VTR '96-04
TBP39	SAXO VTS 1.6 16V
TBP14	BX/XANTIA 1.6/1.8/2.0 8V
TBP27	XANTIA 2.0 16V
TBP28	XANTIA 2.0 16V (132HP)
TBP11	XSARA 1.4
TBP39	XSARA 1.6 16V
TBP28	XSARA 1.8/2.0 16V
TBP28	XSARA 2.0 16V (163HP)
TBP39	C2/C3/C4 1.6 16V
FIAT	
TBP1	UNO 1.1/1.3/1.3 TURBO & SOHC 1.5
TBP2	UNO 1.4/1.4 TURBO & TIPO 1.3
TBP3	2.0 TWIN CAM
FORD	
TBP4	CVH 1.4/1.6
TBP5	CVH 1.1/1.3
TBP6	SOHC 1.6 NOT SIERRA 1.6 E.MAX
TBP7	SOHC 1.8/2.0
TBP8	ZETEC 16V 1.6/1.8/2.0 - SILVER TOP
TBP30	FOCUS/MONDEO 1.8/2.0 16v - BLACK TOP
TBP30	FOCUS 2.0 16V ST170
TBP31	FIESTA/FOCUS/PUMA 1.25/1.4/1.6 16v
TBP37	BDA
TBP48	FORD Ti-VCT 1.6 16v
HONDA	
TBP32	1.6 VTEC B16 '89-98
MITSUBISHI	
TBP34	ECLIPSE/GALANT 2.0 16V
TBP34	EVO 4 / 5 / 6 / 7

PART NO.	APPLICATION
RENAULT	
TBP16	19 / CLIO 1.8 16V / SPYDER / WILLIAMS 2.0 16V
ROVER	
TBP17	K SERIES 1.4/1.6/1.8 16V (MANUAL TENSIONER)
TBP33	K SERIES 1.8 16V 'NOV 98-ON (AUTOMATIC TENSIONER)
SUBARU	
TBP26	IMPREZA & LEGACY 2.0 TURBO UP TO '98
VAUXHALL	
TBP18	1.3 1980 ON
TBP19	1.4/1.6 8 VALVE UP TO 91 (104 TOOTH)
TBP20	1.2/1.4/1.6 8 VALVE '91-00 (111 TOOTH)
TBP21	ASTRA/CAV 1.6/1.8/2.0 J SERIES
TBP42	CORSA B / TIGRA X14XE X16XE 16V '93 -00
TBP43	CORSA C Z14XE - Z18XE - VECTRA X18XE
TBP22	ASTRA/CAV C20XE UP TO 1992
TBP35	ASTRA/CAV C20XE C20LET '93-97
TBP36	ECOTEC X20XE (136HP)
TBP44	CORSA VXR 1.6 16V TURBO Z16LER 2006 -
TBP45	ASTRA VXR 2.0 16V TURBO Z20LER 2004 - 09
VAG	
TBP24	AUDI 80 2.0 & GOLF 2.0 8V (115HP)
TBP25	AUDI 80 / A6 ('94'97) / CABRIOLET / COUPE 2.0 16V
TBP40	AUDI A4/A6 1.8/1.8T 20V 10/94 - 09/01
TBP41	AUDI TT 1.8/1.8T 20V '98 - 07/06
TBP23	SEAT IBIZA/TOLEDO/CORDOBA 1.6/1.8 '93-99
TBP25	SEAT IBIZA/TOLEDO/CORDOBA 16V (136HP)
TBP29	SEAT IBIZA/TOLEDO/CORDOBA 16V (150HP)
TBP41	SEAT IBIZA 1.8T 20V INC CUPRA 2004 ON
TBP23	VW GOLF/PASSAT 1.5, 1.6 & 1.8 GTI & G60
TBP25	VW GOLF/SCIROCCO/JETTA 1.8 16V
TBP29	VW GOLF 2.0 16V 93-96
TBP41	VW GOLF 1.8/1.8T 20V 10/97 - 09/03
TBP40	VW PASSAT 1.8/1.8T 20V 11/96 - 08/00
TBP46	VW POLO 1.4 16V AFH 04/96 - 12/99 (100 BHP)
TBP47	VW LUPO AVY & POLO ARC 1.6 16V (125 BHP)



VALVE SPRING CAPS

PART NO.	APPLICATION	SUITS PIPER VALVE SPRINGS
BMC		
SC1	A SERIES	VDSMINR
CITROEN		
SC18	SAXO VTS 16v	VDSVTS
SC30	SAXO VTR	VSSVTR
FORD		
SC7	COSWORTH	VDSCOS
SC33	COSWORTH LONG VALVE	
SC34	CVH	VDSCVH2
SC8A	OHC	VSSOHC
SC8B	OHC	VDSOHC
SC9	XFLOW	VDSF2 / VDSFR
SC10	XFLOW	VDSFBPR
SC11	ZETEC 16V SING. GROOVE	VSSZETA
SC20B	DURATEC 16v	VSSDUR
SC22	DURATEC 16v	VSDUR
SC24	FOCUS 1.6 16v	VSSFOC
SC37	FOCUS ST170	VSSST170
SC70	FOCUS 1.8/2.0 ZETEC R	VSSZETAR
SC71	FOCUS 1.8/2.0 ZETEC R	VDSZETAR
SC78	ECOBOOST 2.0/2.3	VSSFECO20 & VSSFECO23
SC79	ECOBOOST 2.0/2.3	VDSFECO20 & VDSFECO23
SC22RS225	DURATEC I5 FOCUS ST/RS	VDSRS225
SC20RS225	DURATEC I5 FOCUS ST/RS	VSSRS225
SC80	ECOBOOST 1.6	VSSCO1.6
HONDA		
SC12	VTEC	VDSVTEC
MITSUBISHI		
SC21	EVO 1-9	VSSMITS
SC47	EVO 10	VSSMITS10
NISSAN		
SC36	MICRA 16V	STANDARD ITEMS
PEUGEOT		
SC14	306 16v	VDSP306
SC26	MI16	VDSMI16
SC27	206 GTI	VSSP206 - HYD. FOLLOWERS
SC28	206 GTI	VSSP206
SC35	205 GTI	VDSP16

PART NO.	APPLICATION	SUITS PIPER VALVE SPRINGS
RENAULT		
SC29	MEGANE / CLIO	VDSMEG
ROVER		
SC3	K SERIES	VSSK/VDSK
SC19	K SERIES	VSSK/VDSK - HYD. FOL.
SC23	KV6	VSSKV6/VDSKV6
SC25	KV6	VSSKV6/VDSKV6 - HYD. FOL.
VAUXHALL		
SC16	CORSA 16v	VDSCOR
SC17	ASTRA 2.0 16v	VDSAST16V
SC58	ECOTEC 16v	VDSECO
SC63	CORSA 16v	VSSCOR
SC64	CORSA 16v VXR	VSSCVXR
VOLVO		
SC40	B18	VDSB18

TOP HAT SHIM

PART NO.	SHIM INNER DIAMETER	SHIM THICKNESS
SHIM63	6mm	3mm
SHIM64	6mm	4mm
SHIM65	6mm	5mm
SHIM66	6mm	6mm
SHIM73	7mm	3mm
SHIM74	7mm	4mm
SHIM75	7mm	5mm
SHIM76	7mm	6mm
SHIM83	8mm	3mm
SHIM84	8mm	4mm
SHIM85	8mm	5mm
SHIM86	8mm	6mm

BISCUIT SHIM

PART NO.	SHIM INNER DIAMETER	SHIM THICKNESS
SHIM11535	11.5mm	3.5mm
SHIM11540	11.5mm	4.0mm
SHIM11545	11.5mm	4.5mm
SHIM11550	11.5mm	5.0mm

CAMSHAFTS - HONDA

Valve lifts quoted assume a rocker ratio of 1:1

Part No.	Application		Duration @ 1mm		Cam Lift		Valve Lift		Timing	Full Lift		Lift @ TDC		Valve Clearance
			Inl	Exh	Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl	Exh	
PH5	CBR600 FM - FW 1991 - 1998	TRACK DAY / RACE	241 deg	240 deg	.367" 9.32mm	.345" 8.76mm	.359" 9.11mm	.335" 8.51mm	18 - 42 44 - 16	102 deg	104 deg	.114" 2.90mm	.084" 2.13mm	.008" / .20mm .010" / .25mm
PH6	CBR600 FX - FY 1999 - 2000	TRACK DAY / RACE	248 deg	234 deg	.340" 8.64mm	.316" 8.03mm	.332" 8.43mm	.306" 7.77mm	20 - 48 41 - 13	104 deg	104 deg	.112" 2.84mm	.083" 2.10mm	.008" / .20mm .010" / .25mm
PH7	CBR600 RR 2003 -	SUPERSPORT	255 deg	235 deg	.335" 8.51mm	.293" 7.44mm	.327" 8.31mm	.283" 7.19mm	24 - 52 45 - 11	104 deg	107 deg	.123" 3.12mm	.074" 1.88mm	.008" / .20mm .010" / .25mm
PH14	CBR600 RR 2003 -	SUPERSPORT	253 deg	235 deg	.335" 8.51mm	.293" 7.44mm	.327" 8.31mm	.281" 7.19mm	21 - 51 43 - 13	105 deg	105 deg	.112" 2.85mm	.078" 1.98mm	.008" / .20mm .010" / .25mm
PH10	CBR600 RR 2003 -	RACE	250 deg	242 deg	.363" 9.22mm	.330" 8.38mm	.355" 9.01mm	.320" 8.13mm	23 - 47 45 - 17	102 deg	104 deg	.127" 3.22mm	.097" 2.46mm	.008" / .20mm .010" / .25mm
PH1	CBR900RR 893cc N - 1992 - 2001	TRACK DAY / RACE	244 deg	244 deg	.325" 8.26mm	.302" 7.67mm	.319" 8.10mm	.294" 7.47mm	19 - 45 48 - 16	103 deg	106 deg	.095" 2.41mm	.090" 2.28mm	.006" / .15mm .008" / .20mm
PH2	CBR900RR 954cc 2002 - 2003	TRACK DAY / RACE	237 deg	228 deg	.377" 9.58mm	.340" 8.64mm	.369" 9.37mm	.330" 8.38mm	17 - 41 38 - 10	102 deg	104 deg	.110" 2.79mm	.077" 1.95mm	.008" / .20mm .010" / .25mm
PH3	CBR900RR 954cc 2002 - 2003	RACE	245 deg	242 deg	.392" 9.96mm	.380" 9.65mm	.384" 9.75mm	.370" 9.40mm	21 - 45 45 - 17	102 deg	104 deg	.121" 3.07mm	.108" 2.74mm	.008" / .20mm .010" / .25mm
PH8	CBR1000 RR 2004 ON	TRACK DAY / RACE	248 deg	240 deg	.391" 9.93mm	.375" 9.52mm	.383" 9.72mm	.365" 9.27mm	22 - 46 44 - 16	102 deg	104 deg	.128" 3.25mm	.104" 2.64mm	.008" / .20mm .010" / .25mm
PH9	CBR1000 RR 2004 ON	TRACK DAY / RACE	250 deg	242 deg	.363" 9.22mm	.346" 9.22mm	.355" 9.01mm	.336" 8.53mm	23 - 47 45 - 17	102 deg	104 deg	.127" 3.22mm	.105" 2.67mm	.008" / .20mm .010" / .25mm
PH11	CBR1000 RR 2004 ON	TRACK DAY / RACE	255 deg	248 deg	.363" 9.22mm	.346" 9.22mm	.355" 9.01mm	.336" 8.53mm	26 - 50 48 - 20	102 deg	104 deg	.131" 3.33mm	.111" 2.83mm	.008" / .20mm .010" / .25mm
PH4	CBR1100 XX 1997 -	STREET / KIT CAR	241 deg	240 deg	.367" 9.32mm	.345" 8.76mm	.359" 9.11mm	.335" 8.51mm	16 - 44 46 - 14	104 deg	106 deg	.105" 2.67mm	.076" 1.93mm	.008" / .20mm .010" / .25mm

KAWASAKI

Valve lifts quoted assume a rocker ratio of 1:1

PK1	ZX6 R F1 - J2 1995 - 2002	TRACK DAY / RACE	244 deg	233 deg	.380" 9.65mm	.350" 8.89mm	.373" 9.47mm	.342" 8.69mm	20 - 44 41 - 13	102 deg	104 deg	.118" 3.00mm	.090" 2.28mm	.007" / .18mm .008" / .20mm
PK1	ZX6 R 636 A1 2002	TRACK DAY / RACE	244 deg	233 deg	.380" 9.65mm	.350" 8.89mm	.373" 9.47mm	.342" 8.69mm	20 - 44 41 - 13	102 deg	104 deg	.118" 3.00mm	.090" 2.28mm	.007" / .18mm .008" / .20mm
PK2	ZX6 R 636 2003	TRACK DAY / RACE	249 deg	245 deg	.376" 9.55mm	.353" 8.97mm	.368" 9.35mm	.343" 8.71mm	22 - 46 47 - 19	102 deg	104 deg	.127" 3.23mm	.106" 2.69mm	.008" / .20mm .010" / .25mm
PK4	ZX7 R RR 1996 - 2002	TRACK DAY / RACE	245 deg	230 deg	.392" 9.96mm	.312" 7.92mm	.384" 9.75mm	.302" 7.67mm	21 - 45 39 - 11	102 deg	104 deg	.121" 3.07mm	.076" 2.01mm	.008" / .20mm .010" / .25mm
PK10	ZX7 R R-RR 1996 - 2002	RACE	245 deg	242 deg	.392" 9.96mm	.380" 9.65mm	.384" 9.75mm	.370" 9.40mm	21 - 45 45 - 17	102 deg	104 deg	.121" 3.07mm	.108" 2.74mm	.008" / .20mm .010" / .25mm
PK5	ZX9 R 1994-97 B	TRACK DAY / ROAD	263 deg	258 deg	.274" 6.96mm	.264" 6.70mm	.347" 8.81mm	.333" 8.46mm	41 - 71 68 - 38	105 deg	105 deg	.174" 4.42mm	.164" 4.17mm	.008" / .20mm .010" / .25mm
PK6	ZX9 R 1998 - 2002	TRACK DAY / RACE	245 deg	242 deg	.392" 9.93mm	.380" 9.65mm	.384" 9.75mm	.370" 9.40mm	21 - 45 45 - 17	102 deg	104 deg	.121" 3.07mm	.108" 2.74mm	.008" / .20mm .010" / .25mm
PK12	ZX9 R 2000 - 2002	TRACK DAY / RACE	251 deg	251 deg	.392" 9.93mm	.366" 9.30mm	.384" 9.75mm	.352" 8.94mm	22 - 48 51 - 19	103 deg	106 deg	.128" 3.25mm	.099" 2.51mm	.008" / .20mm .010" / .25mm
PK7	ZX12 R 2000 -	RACE	259 deg	251 deg	.410" 10.41mm	.394" 10.01mm	.400" 10.16mm	.384" 9.75mm	21 - 57 53 - 17	108 deg	108 deg	.132" 3.35mm	.108" 2.74mm	.010" / .25mm .010" / .25mm
PK9	ZX12 R 2000 -	STREET	250 deg	251 deg	.378" 9.60mm	.362" 9.19mm	.370" 9.40mm	.352" 8.94mm	17 - 53 53 - 17	108 deg	108 deg	.119" 3.02mm	.092" 2.34mm	.008" / .20mm .010" / .25mm

CAMSHAFTS - SUZUKI

Valve lifts quoted assume a rocker ratio of 1:1

*blank includes sprockets

Part No.	Application		Duration @ 1mm		Cam Lift		Valve Lift		Timing	Full Lift		Lift @ TDC		Valve Clearance
			Inl	Exh	Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	with clearance Inl	Exh	
PS1	GSX R600 WV-WY 1996 - 2000	TRACK DAY / RACE	243 deg	218 deg	.343" 8.71mm	.314" 7.98mm	.335" 8.51mm	.280" 7.11mm	20 - 44 32 - 43	102 deg	104 deg	.111" 2.82mm	.055" 1.40mm	.008" / .20mm .010" / .35mm
PS2	GSX R600 K1 - 4	TRACK DAY / RACE	250 deg	230 deg	.350" 8.89mm	.285" 7.24mm	.342" 8.69mm	.304" 7.72mm	23 - 47 41 - 9	102 deg	106 deg	.126" 3.20mm	.071" 1.88mm	.008" / .20mm .010" / .35mm
PS3	GSX R600 K1 - 3	SUPERSPORT	248 deg	237 deg	.337" 8.56mm	.284" 7.21mm	.330" 8.38mm	.278" 7.06mm	22 - 46 39 - 19	102 deg	100 deg	.126" 3.20mm	.103" 2.62mm	.006" / .15mm .008" / .20mm
PS16	GSX R600 K6-7	SUPERSPORT	263 deg	235 deg	.339" 8.61mm	.314" 7.96mm	.333" 8.46mm	.304" 7.72mm	26 - 56 47 - 8.6	105 deg	109 deg	.125" 3.18mm	.067" 1.70mm	.006" / .15mm .010" / .25mm
PS22	GSX R600 K6-7	SUPERSPORT	252 deg	235 deg	.338" 8.61mm	.314" 7.96mm	.330" 8.38mm	.304" 7.72mm	21 - 51 47 - 8.6	105 deg	109 deg	.117" 2.97mm	.067" 1.70mm	.008" / .20mm .010" / .25mm
PS4	GSX R750 WW - WX 1998 - 1999	RACE	248 deg	238 deg	.376" 9.55mm	.355" 9.02mm	.368" 9.35mm	.330" 8.38mm	22 - 46 45 - 13	102 deg	106 deg	.127" 3.23mm	.085" 2.16mm	.008" / .20mm .012" / .30mm
PS5	GSX R750 K1-3	RACE	251 deg	237 deg	.392" 9.96mm	.284" 7.21mm	.384" 9.75mm	.345" 8.76mm	23 - 47 44 - 12	102 deg	106 deg	.132" 3.35mm	.086" 2.18mm	.008" / .20mm .010" / .25mm
PS10	GSX R750 K	RACE	248 deg	237 deg	.336" 8.53mm	.284" 7.21mm	.330" 8.37mm	.276" 7.01mm	22 - 46 39 - 19	102 deg	100 deg	.126" 3.21mm	.103" 2.62mm	.006" / .15mm .008" / .20mm
PS6	GSX R1000 K1-3	TRACK DAY / RACE	248 deg	238 deg	.376" 9.55mm	.312" 7.92mm	.368" 9.35mm	.330" 8.38mm	20 - 48 45 - 13	104 deg	106 deg	.118" 3.00mm	.087" 2.21mm	.008" / .20mm .010" / .25mm
PS15	GSX R1000 K2	TRACK DAY / RACE	250 deg	230 deg	.350" 8.89mm	.355" 9.02mm	.342" 8.68mm	.302" 7.67mm	20 - 50 40 - 10	105 deg	105 deg	.115" 2.92mm	.075" 1.90mm	.008" / .20mm .010" / .25mm
PS7	GSX R1000 K3	RACE	251 deg	237 deg	.392" 9.96mm	.338" 8.58mm	.384" 9.75mm	.345" 8.76mm	23 - 47 42 - 14	102 deg	104 deg	.132" 3.35mm	.093" 2.36mm	.008" / .20mm .010" / .25mm
PS11	GSX R1000 K1 - 4	RACE	255 deg	240 deg	.405" 10.28mm	.350" 8.89mm	.397" 10.08mm	.328" 8.33mm	23 - 53 45 - 15	105 deg	105 deg	.125" 3.18mm	.093" 2.36mm	.008" / .20mm .010" / .25mm
PS12	GSX R1000 K1 - 4	RACE	245 deg	242 deg	.392" 9.96mm	.380" 9.65mm	.384" 9.75mm	.370" 9.40mm	21 - 45 45 - 17	105 deg	105 deg	.108" 2.74mm	.104" 2.64mm	.008" / .20mm .010" / .25mm
PS14	GSX R1000 K1 - 4	RACE	250 deg	226 deg	.378" 9.60mm	.326" 8.28mm	.370" 9.40mm	.316" 8.03mm	20 - 50 38 - 8	105 deg	105 deg	.119" 3.02mm	.069" 1.75mm	.008" / .20mm .010" / .25mm
PS17	GSX R1000 K5 - 8	RACE	256 deg	248 deg	.400" 10.16mm	.350" 8.89mm	.394" 10.00mm	.342" 8.69mm	23 - 53 49 - 19	105 deg	105 deg	.136" 3.46mm	.110" 2.79mm	.006" / .15mm .008" / .20mm
PS23	GSX R1000 K7 - 8	RACE	257 deg	256 deg	.417" 10.59mm	.362" 9.19mm	.409" 10.39mm	.352" 8.94mm	24 - 54 58 - 18	105 deg	110 deg	.134" 3.40mm	.102" 2.59mm	.008" / .20mm .010" / .25mm
PS24	GSX R1000 K7 - 8	RACE	257 deg	256 deg	.425" 10.80mm	.372" 9.45mm	.417" 10.60mm	.362" 9.19mm	24 - 54 58 - 18	105 deg	110 deg	.126" 3.20mm	.099" 2.51mm	.008" / .20mm .010" / .25mm
PS8	GSX R1300 1999 -	STREET / KIT CAR	249 deg	245 deg	.376" 9.55mm	.353" 8.97mm	.368" 9.35mm	.343" 8.71mm	22 - 46 47 - 19	102 deg	104 deg	.127" 3.23mm	.106" 2.69mm	.008" / .20mm .010" / .25mm
PS21	GSX R1300 1999 -	GRASS / KIT CAR SPEC	241 deg	224 deg	.367" 9.32mm	.320" 8.13mm	.359" 9.11mm	.310" 7.83mm	16 - 44 38 - 5.9	104 deg	106 deg	.105" 2.67mm	0.060" 1.52mm	.008" / .20mm .010" / .25mm
PS19	GSX R1300 1999 -	GRASS SPEC	256 deg	237 deg	.400" 10.16mm	.355" 9.02mm	.394" 10.00mm	.345" 8.76mm	23 - 53 43 - 13	105 deg	105 deg	.136" 3.46mm	.090" 2.28mm	.006" / .15mm .010" / .25mm
PS20	GSX R1300 1999 -	GRASS SPEC	241 deg	240 deg	.367" 9.32mm	.345" 8.76mm	.359" 9.11mm	.335" 8.51mm	16 - 44 46 - 14	104 deg	106 deg	.105" 2.67mm	.076" 1.93mm	.008" / .20mm .010" / .25mm

CAMSHAFTS - YAMAHA

Valve lifts quoted assume a rocker ratio of 1:1

Part No.	Application		Duration @ 1mm		Cam Lift		Valve Lift		Timing	Full Lift		Lift @ TDC		Valve Clearance
			Inl	Exh	Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	with clearance Inl	Exh	
PY5	YZF R6 1999 - 2002	RACE	252 deg	234 deg	.340" 8.64mm	.316" 8.03mm	.334" 8.48mm	.306" 7.77mm	24 - 48 41 - 13	102 deg	104 deg	.117" 2.97mm	.083" 2.11mm	.006" / .15mm .010" / .25mm
PY6	YZF R6 INJ 2003	RACE	252 deg	234 deg	.340" 8.64mm	.316" 8.03mm	.334" 8.48mm	.306" 7.77mm	24 - 48 47 - 7	102 deg	110 deg	.117" 2.97mm	.063" 1.60mm	.006" / .15mm .010" / .25mm
PY7	YZF R6 INJ 2003	SUPERSPORT	256 deg	240 deg	.335" 8.51mm	.299" 7.59mm	.327" 8.31mm	.291" 7.39mm	23 - 53 50 - 10	105 deg	110 deg	.122" 3.10mm	.073" 1.85mm	.008" / .20mm .010" / .25mm
PY10	YZF R6 INJ 2006 - 9	SUPERSPORT	251 deg	236 deg	.346" 8.79mm	.315" 8.00mm	.340" 8.64mm	.307" 7.80mm	21 - 51 47 - 9	105 deg	109 deg	.102" 2.59mm	.064" 1.63mm	.006" / .15mm .008" / .20mm
PY12	YZF R6 INJ 2006 - 9	SUPERSPORT	256 deg	242 deg	.347" 8.79mm	.315" 8.00mm	.339" 8.61mm	.305" 7.75mm	18 - 58 51 - 11	110 deg	110 deg	.100" 2.54mm	.066" 1.68mm	.008" / .20mm .010" / .25mm
PY1 B	FZS 1000 FAZER - 2003	STREET	242 deg	234 deg	.316" 8.03mm	.316" 8.03mm	.310" 7.87mm	.308" 7.82mm	13 - 49 43 - 11	108 deg	106 deg	.081" 2.06mm	.078" 1.98mm	.006" / .15mm .008" / .20mm
PY1 A / B*	YZF R1 1998 - 2002	STREET	242 deg	234 deg	.316" 8.03mm	.316" 8.03mm	.310" 7.87mm	.308" 7.82mm	13 - 49 43 - 11	108 deg	106 deg	.081" 2.06mm	.078" 1.98mm	.006" / .15mm .008" / .20mm
PY2 A / B*	YZF R1 1998 - 2002	TRACK DAY / RACE	252 deg	242 deg	.340" 8.64mm	.330" 8.38mm	.334" 8.48mm	.322" 8.18mm	24 - 48 51 - 11	102 deg	110 deg	.117" 2.97mm	.078" 1.98mm	.006" / .15mm .008" / .20mm
PY3B*	YZF R1 2003	RACE	252 deg	248 deg	.340" 8.64mm	.339" 8.61mm	.334" 8.48mm	.330" 8.38mm	24 - 48 54 - 14	102 deg	110 deg	.117" 2.97mm	.090" 2.29mm	.006" / .15mm .008" / .20mm
PY4B*	YZF R1 2003	RACE	248 deg	248 deg	.314" 7.98mm	.340" 8.64mm	.304" 7.72mm	.330" 8.38mm	22 - 46 54 - 14	102 deg	110 deg	.109" 2.77mm	.090" 2.29mm	.006" / .15mm .008" / .20mm
PY8	YZF R1 INJ 2004 - 06	STREET / TRACK DAY	248 deg	242 deg	.314" 7.98mm	.330" 8.38mm	.304" 7.72mm	.320" 8.13mm	22 - 46 49 - 13	102 deg	108 deg	.109" 2.77mm	.083" 2.11mm	.008" / .20mm .010" / .25mm
PY9	YZF R1 INJ 2004 - 06	RACE / TORQUE	251 deg	242 deg	.345" 8.76mm	.330" 8.38mm	.337" 8.56mm	.320" 8.13mm	21 - 51 46 - 16	105 deg	105 deg	.107" 2.72mm	.093" 2.36mm	.008" / .20mm .010" / .25mm
PY15	YZF R1 INJ 2004 - 06	RACE TOP END	251 deg	251 deg	.345" 8.76mm	.327" 8.30mm	.337" 8.56mm	.317" 8.05mm	21 - 51 46 - 16	105 deg	105 deg	.107" 2.72mm	.107" 2.72mm	.008" / .20mm .010" / .25mm
PY11	YZF R1 2007 MUST USE KIT SPRING	RACE	261 deg	257 deg	.390" 9.90mm	.355" 9.01mm	.385" 9.77mm	.348" 8.83mm	21 - 61 59 - 19	110 deg	110 deg	.106" 2.70mm	.098" 2.49mm	.005" / .127mm .007" / .178mm
PY14	YZF R1 2008 BSB SPEC	RACE	254 deg	250 deg	.369" 9.37mm	.328" 8.33mm	.375" 9.37mm	.338" 8.33mm	17 - 57 55 - 15	110 deg	110 deg	.096" 2.45mm	.085" 2.17mm	.006" / .15mm .008" / .20mm
PY16	YZF R1 2009 -	RACE	260 deg	254 deg	.374" 9.50mm	.339" 9.09mm	.368" 9.35mm	.331" 8.41mm	20 - 60 57 - 17	110 deg	110 deg	.101" 2.57mm	.091" 2.31mm	.006" / .15mm .008" / .20mm
PY17	YZF R1 2009 - MUST USE KIT SPRING	RACE	255 deg	250 deg	.410" 10.41mm	.358" 8.38mm	.404" 10.26mm	.350" 8.89mm	17.5 - 57.5 55 - 15	110 deg	110 deg	.120" 3.05mm	.093" 2.37mm	.006" / .15mm .008" / .20mm
PY18	YZF R1 2008 - MUST USE KIT SPRING	RACE	255 deg	251 deg	.417" 10.60mm	.378" 9.60mm	.411" 10.44mm	.370" 9.40mm	17.5 - 57.5 54.5 - 15.5	110 deg	110 deg	.108" 2.37mm	.097" 2.46mm	.006" / .15mm .008" / .20mm

* A = Non x/drill camshafts

* B = X/drilled camshafts with trigger

MOTORCYCLE ADJUSTABLE SPROCKETS

PART NO.	DESCRIPTION	MATERIAL
HONDA		
PULMH6F23	CBR600 F2 / 3 1991 - 1998 SPROCKET	STEEL
PULMH6F4	CBR600 F4 1999 - 2002 SPROCKET	STEEL
PULMH6RR	CBR600 RR 2003 On SPROCKET	STEEL
PULMH900	CBR900 RR 1992 - 1999 SPROCKET	STEEL
PULMH929	CBR900 RR 2000 On SPROCKET	STEEL
PULMH1100	CBR1100BB 1996 On SPROCKET	STEEL
SUZUKI		
PULMS750	GSX R600 / R750 1998 - 1999 SPROCKET KIT	STEEL
PULMS7502	GSX R750 K 2000 On SPROCKET KIT	STEEL
PULMS1300	GSX R1300 1999 On SPROCKET KIT	STEEL
YAMAHA		
PULMYR1	YZF R1 1998-03 SPROCKET	STEEL
PULMYR6	YZF R6 1999-05 SPROCKET	STEEL
PULMYR62	YZFR6 2006-2008	STEEL
SUZUKI		
ST750Y2K	GSXR600K1-3 GSXR750K1-3 GSXR1000K1-2	ALLOY
ST1000-3	GSXR600K4-8 GSXR750K4-8 GSXR1000K3-8	ALLOY
ST1300GX	GSXR1300 HAYABUSA -07	ALLOY
ST1300-08	GSXR1300 HAYABUSA 2008	ALLOY

MECHANICAL CAM CHAIN ADJUSTER

PART NO.	DESCRIPTION	MATERIAL
YAMAHA		
YTR6	YZFR6 2006-	ALLOY
YTR1	YZFR1 2004 - 2006	ALLOY
YT1000	YZFR6 1999 - 2005 YZFR1 1998 - 2003	ALLOY

MOTORCYCLE SHIMS

DIAMETER	THICKNESS
7.5mm	Available in 0.05mm increments from 1.50 to 3.5mm thick
9.5mm	Available in 0.05mm increments from 1.50 to 3.5mm thick

