

**CAMSHAFTS ALFA ROMEO GIULIETTA / GIULIA 1300 / 1600 / 1750 / 2000 8v****PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1:1

Oversize shims required. Many other profiles available

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC with clearance		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl	Exh		
ALFRBP270	FAST ROAD	1500-6500	10 BHP	264 deg	264 deg	.400" 10.15mm	.398" 10.11mm	24 - 60 60 - 24	108 deg	108 deg	.078" 1.98mm	.076" 1.93mm	.010" / .25mm .012" / .30mm	314 Repro 888 Blank
ALFRBP285	ULTIMATE ROAD	2000-7000	15+ BHP	280 deg	280 deg	.430" 10.92mm	.428" 10.87mm	34 - 66 66 - 34	106 deg	106 deg	.118" 2.99mm	.116" 2.94mm	.010" / .25mm .012" / .30mm	888 Blank
ALFRBP300	RALLY	2800-7500		290 deg	290 deg	.438" 11.13mm	.436" 11.08mm	39 - 71 71 - 39	106 deg	106 deg	.160" 4.06mm	.158" 4.01mm	.010" / .25mm .012" / .30mm	888 Blank
ALFRBP320	RACE	3000-8000		296 deg	296 deg	.470" 11.94mm	.468" 11.89mm	47 - 73 76 - 44	102 deg	104 deg	.177" 4.50mm	.164" 4.18mm	.010" / .25mm .012" / .30mm	888 Blank

**ALFA ROMEO 75 / 155 / 164 2.0 TWIN SPARK 8v**

Valve lifts quoted assume a rocker ratio of 1:1

Cam carriers / Back of head may require skimming

ALFR20BP270	FAST ROAD 2.0 TWIN SPARK	1500-6500	12 BHP	278 deg	278 deg	.445" 11.29mm	.400" 10.15mm	31 - 67 67 - 31	108 deg	108 deg	.117" 2.97mm	.092" 2.34mm	.014" / .35mm .016" / .40mm	314 Repro 888 Blank
ALFR20BP285	ULTIMATE ROAD Not recommended for standard injection	2500-7000		290 deg	290 deg	.438" 11.13mm	.436" 11.08mm	39 - 71 71 - 39	106 deg	106 deg	.157" 4.00mm	.155" 3.95mm	.010" / .25mm .012" / .30mm	888 Blank
ALFR20BP300	RALLY	2800-7500		300 deg	300 deg	.480" 12.19mm	.478" 12.13mm	47 - 73 76 - 44	103 deg	106 deg	.197" 5.01mm	.180" 4.58mm	.008" / .20mm .010" / .25mm	888 Blank

**ASTON MARTIN DB5 / DB6 *NEW***

Valve lifts quoted assume a rocker ratio of 1:1

ASTONBP285	ULTIMATE ROAD	1800-6500		284 deg	284 deg	.448" 11.37mm	.446" 11.32mm	34 - 70 70 - 34	108 deg	108 deg	.127" 3.23mm	.125" 3.18mm	.012" / .30mm .014" / .35mm	1490 Blank
ASTONBP300	RALLY	2500-7000		300 deg	300 deg	.523" 13.28mm	.521" 13.23mm	44 - 76 76 - 44	106 deg	106 deg	.178" 4.52mm	.176" 4.47mm	.012" / .30mm .014" / .35mm	1490 Blank
ASTONBP320	RACE	2800-7500		310 deg	310 deg	.543" 13.79mm	.541" 13.74mm	51 - 79 79 - 51	104 deg	104 deg	.191" 4.85mm	.189" 4.80mm	.017" / .43mm .019" / .48mm	1490 Blank

**AUDI A4 1.8 20v TURBO**

Valve lifts quoted assume a rocker ratio of 1:1

AUD20TBP270	FAST ROAD	2000-6000	15 BHP	256 deg	256 deg	.325" 8.26mm	.372" 9.44mm	18 - 58 58 - 18	110 deg	110 deg	.028" 0.70mm	.032" 0.81mm	HYDRAULIC	958 Blank
AUD20T1086	RACE High boost competition profile	3500-8000		244 deg	274 deg	.342" 8.69mm	.430" 10.93mm	18 - 46 65 - 29	104 deg	108 deg	.040" 1.01mm	.088" 2.24mm	HYDRAULIC	958 Blank

**AUDI 5 CYLINDER 10v**

Valve lifts quoted assume a rocker ratio of 1:1

AUD5BP270HT	FAST ROAD TURBO	1800-6000	20 BHP	264 deg	264 deg	.428" 10.67mm	.428" 10.87mm	22 - 62 62 - 22	110 deg		.059" 1.51mm	.059" 1.51mm	HYDRAULIC	618 Blank
AUD5BP270H	FAST ROAD	1500-6000	14 BHP	268 deg	268 deg	.438" 11.13mm	.438" 11.13mm	24 - 64 64 - 24	110 deg		.064" 1.62mm	.064" 1.62mm	HYDRAULIC	618 Blank
AUD5BP285H	ULTIMATE ROAD	2000-6500	18 BHP	276 deg	276 deg	.450" 11.43mm	.450" 11.43mm	30 - 66 66 - 30	108 deg		.104" 2.64mm	.104" 2.64mm	HYDRAULIC	618 Blank

**ADDITIONAL COMPONENTS FOR ABOVE ENGINES:**

FOLAUD5 - Audi 5 cyl hydraulic followers 285 €

PULDAUD5 - Audi 5 cyl vernier pulley 215 €

# CAMSHAFTS BMW E30 2002 / 316 / 318

**PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1.29:1

Prefix part number 200 or 316 according to engine

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC with clearance		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl	Exh		
BMW4BP270	FAST ROAD	2000-6500	10 BHP	268 deg	268 deg	.396" 10.06mm	.396" 10.06mm	24 - 64 64 - 24	110 deg	N/A	N/A	.010" / .25mm .010" / .25mm	492 Blank	
BMW4BP285	ULTIMATE ROAD	2500-7000	16 BHP	292 deg	292 deg	.400" 10.16mm	.400" 10.16mm	36 - 76 76 - 36	110 deg	N/A	N/A	.010" / .25mm .010" / .25mm	492 Blank	

## BMW E36 318i M40

Valve lifts quoted assume a rocker ratio of 1.73:1

BMWM40BP270	FAST ROAD	1500-6000	10 BHP	264 deg	264 deg	.450" 11.43mm	.450" 11.43mm	22 - 62 62 - 22	110 deg	N/A	N/A	HYDRAULIC	492 Blank
BMWM40BP285	ULTIMATE ROAD	2000-6500	14 BHP	278 deg	278 deg	.475" 12.07mm	.475" 12.07mm	31 - 67 67 - 31	108 deg	N/A	N/A	HYDRAULIC	492 Blank

## BMW E36 318 IS 16v

Valve lifts quoted assume a rocker ratio of 1:1

BMWISBP270	FAST ROAD	1500-6000	10 BHP	264 deg	264 deg	.400" 10.16mm	.400" 10.16mm	22 - 62 62 - 22	110 deg	110 deg	.042" 1.07mm	.042" 1.07mm	HYDRAULIC	314 Repro
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## BMW E30 320 / 323 / 325 'SMALL SIX'

Valve lifts quoted assume a rocker ratio of 1.56:1

BMWS6BP270	FAST ROAD	1500-6500	12 BHP	274 deg	274 deg	.410" 10.41mm	.410" 10.41mm	27 - 67 67 - 27	110 deg	N/A	N/A	.010" / .25mm .010" / .25mm	606 Blank
BMWS6BP285	ULTIMATE ROAD	2200-7000	14 BHP	292 deg	292 deg	.420" 10.66mm	.420" 10.66mm	36 - 76 76 - 36	110 deg	N/A	N/A	.010" / .25mm .010" / .25mm	606 Blank

## BMW 528 / 530 / 535 'LARGE SIX'

Valve lifts quoted assume a rocker ratio of 1.29:1

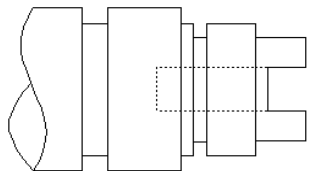
State ignition type when ordering: Motronic, Motronic II, Pre Motronic

BMW6BP270	FAST ROAD	1500-6500	12 BHP	280 deg	276 deg	.390" 9.91mm	.400" 10.16mm	26 - 74 72 - 24	114 deg	N/A	N/A	.016" / .40mm .016" / .40mm	606 Blank
BMW6BP285	ULTIMATE ROAD	2200-7000	18 BHP	288 deg	288 deg	.400" 10.16mm	.400" 10.16mm	34 - 74 74 - 34	110 deg	N/A	N/A	.010" / .25mm .010" / .25mm	606 Blank

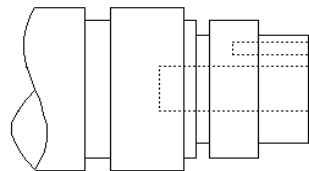
## BMW MINI ONE / COOPER / COOPER S

Valve lifts quoted assume a rocker ratio of 1.645:1 Inlet / 1.4:1 Exhaust

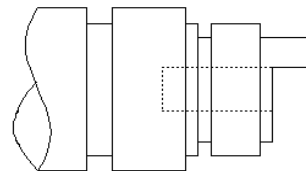
MINBP270	FAST ROAD	1500-6500	10 BHP	256 deg	248 deg	.360" 9.14mm	.350" 8.89mm	16 - 60 56 - 12	112 deg	112 deg	N/A	N/A	HYDRAULIC	479 Blank
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PRE MOTRONIC



MOTRONIC II



MOTRONIC I

### ADDITIONAL COMPONENTS FOR ABOVE ENGINES:

FOLBMS6 - BMW small 6 cam follower set 459 €

FOLBML6 - BMW large 6 cam follower set 499 €

# CAMSHAFTS CITROEN SAXO 1.4 & 1.6 VTR NON ROLLER ROCKER 'BLACK ROCKER COVER'

**PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1.4:1

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	with clearance Inl	Exh		
VTRBP270	<b>FAST ROAD</b>	1500-6500	10 BHP	260 deg	260 deg	.350" 8.89mm	.350" 8.89mm	21 - 59 59 - 21	109 deg		N/A	N/A	.008" / .20mm .010" / .25mm	495 Blank
VTRBP285	<b>ULTIMATE ROAD</b> <small>Not recommended for use with std injection</small>	2000-6800	14 BHP	280 deg	280 deg	.400" 10.16mm	.400" 10.16mm	32 - 68 68 - 32	108 deg		N/A	N/A	.008" / .20mm .010" / .25mm	495 Blank

## CITROEN SAXO 1.4 & 1.6 VTR ROLLER ROCKER 'GREY ROCKER COVER'

**NOTE :** Some 1.4 engines post 04/99 (Eng No:366766+) run a smaller 36 tooth camshaft pulley apposed to the normal 40 tooth pulley. Please use PULDVTR2

Valve lifts quoted assume a rocker ratio of 1.75:1

VTRBP270R	<b>FAST ROAD</b>	1500-6500	10 BHP	258 deg	258 deg	.422" 10.71mm	.422" 10.71mm	15 - 63 63 - 15	114 deg		N/A	N/A	.008" / .20mm .010" / .25mm	495 Blank
VTRBP285R	<b>ULTIMATE ROAD</b> <small>Not recommended for use with std injection</small>	2000-7000	14 BHP	264 deg	264 deg	.422" 10.71mm	.422" 10.71mm	22 - 62 62 - 22	110 deg		N/A	N/A	.008" / .20mm .010" / .25mm	495 Blank

## CITROEN SAXO 1.6 16v VTS

Valve lifts quoted assume a rocker ratio of 1:1

**NOTE :** LATER ENGINES MAY REQUIRE LARGER M11 CAM PULLEY BOLT & WASHER (CITROEN / PEUGEOT PART NUMBER 806.18 & 694906)

SAXBP270H	<b>FAST ROAD</b>	Air filter, exhaust, flowed head achieves over 150 bhp	2000-7000	15 BHP	260 deg	260 deg	.380" 9.65mm	.380" 9.65mm	20 - 60 60 - 20	110 deg	110 deg	.035" 0.90mm	.035" 0.90mm	HYDRAULIC	865 Blank
SAXBP270T	<b>FAST ROAD <i>NEW</i></b>	For use in a turbo application	2000-7000		248 deg	260 deg	.366" 9.30mm	.367" 9.33mm	12 - 56 62 - 18	112 deg	112 deg	.029" 0.74mm	.033" 0.83mm	HYDRAULIC	865 Blank
SAXBP270S	<b>FAST ROAD <i>NEW</i></b>	For use in a supercharged application	2000-7000		260 deg	264 deg	.380" 9.65mm	.378" 9.60mm	20 - 60 62 - 22	110 deg	110 deg	.035" 0.89mm	.057" 1.47mm	HYDRAULIC	865 Blank
SAXBP285H	<b>ULTIMATE ROAD</b>	Not recommended for use with std injection. Throttle bodies, flowed head, manifold achieves over 180 bhp	3000-7500	20 BHP	264 deg	260 deg	.396" 10.05mm	.380" 9.65mm	22 - 62 64 - 16	110 deg	114 deg	.058" 1.47mm	.016" 0.40mm	HYDRAULIC	865 Blank
SAXBP300H	<b>RALLY</b>		3500-8000		274 deg	274 deg	.430" 10.93mm	.430" 10.93mm	33 - 61 63 - 31	104 deg	106 deg	.107" 2.73mm	.096" 2.43mm	HYDRAULIC	865 Blank
SAXBP300	<b>RALLY</b>		3600-8000		284 deg	284 deg	.450" 11.44mm	.448" 11.39mm	36 - 68 68 - 36	106 deg	106 deg	.112" 2.84mm	.110" 2.79mm	.010" / .25mm .012" / .30mm	865 Blank
SAXBP320	<b>RACE</b>	Oversized followers required (Part No FOLVTSM31) must be used	4200-8500		292 deg	292 deg	.481" 12.21mm	.479" 12.16mm	42 - 70 70 - 42	104 deg	104 deg	.169" 4.29mm	.167" 4.24mm	.010" / .25mm .012" / .30mm	865 Blank

## CAM KITS

### CITROEN SAXO 1.4 & 1.6 VTR 'BLACK ROCKER COVER' INCLUDE:

Part No.	Cams	Followers	Hydraulic Adjusters	Valve Springs	Spring Seats	Stem Seals	Spring Caps	Spray Bar	Ball Studs	Timing Belt	Vernier Pulley	Timing Disc & Lube	Price exc.VAT
KBVTR270	X	X										X	787 Blank
KBVTR285	X	X		X								X	835 Blank

### CITROEN SAXO 1.6 16v VTS INCLUDE:

KBSAX270	X	X										X	1237 Blank
KBSAX285	X	X										X	1237 Blank

#### ADDITIONAL COMPONENTS FOR ABOVE ENGINES:

PULDVTR - Saxo VTR (40 tooth) alloy vernier pulley 215 €

PULDVTR2 - Saxo VTR (36 tooth) alloy vernier pulley 215 €

PULDVTS - Pair Saxo VTS alloy vernier pulley 351 €

FOLP13 - VTR non roller follower set 303 €

FOLVTSH - Saxo VTS hydraulic follower set 455 €

FOLVTSM - Saxo VTS solid follower set 785 €

FOLVTSM31 - Saxo VTS 31mm solid follower set 785 €

VSSVTR - Saxo VTR (roller type) single valve spring set 90 €

VSSVTR2 - Saxo VTR (non-roller type) single valve spring set 90 €

TBP27 - Saxo VTS 1.6 16v cam belt 69 €

VDSVTS - Saxo VTS double valve spring kit 475 €

# CAMSHAFTS FIAT UNO TURBO & PUNTO GT

**PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1:1

Oversize shims or skimmed carrier may be required

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC with clearance		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl	Exh		
FIAUNOTBP270	<b>FAST ROAD</b>	1000-6000	15 BHP	270 deg	250 deg	.409" 10.40mm	.364" 9.00mm	23 - 67 57 - 13	112 deg	.103" 2.61mm	.097" 2.46mm	.016" / .40mm .018" / .45mm	<b>186 Repro</b> <b>399 Blank</b>	
FIAUNOTBP285	<b>ULTIMATE ROAD</b>	2000-7000	20 BHP	276 deg	250 deg	.433" 11.00mm	.374" 9.50mm	26 - 70 57 - 13	112 deg	.107" 2.72mm	.105" 2.67mm	.016" / .40mm .018" / .45mm	<b>186 Repro</b> <b>399 Blank</b>	
FIAUNOTBP300	<b>RALLY</b>	2600-7500		280 deg	258 deg	.452" 11.50mm	.393" 9.98mm	30 - 70 59 - 19	110 deg	.156" 3.96mm	.157" 3.91mm	.016" / .40mm .018" / .45mm	<b>186 Repro</b> <b>399 Blank</b>	

## FIAT X19 / 128 1.3 / 1.5 SOHC

Valve lifts quoted assume a rocker ratio of 1:1

Oversize shims or skimmed carrier may be required

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift	Lift @ TDC with clearance		Valve Clearance	Price €
				Inl	Exh	Inl	Exh			Inl	Exh		
FIAX19BP270	<b>FAST ROAD</b>	2000-6500	10 BHP	280 deg	280 deg	.385" 9.80mm	.385" 9.80mm	33 - 67 67 - 33	107 deg	.103" 2.61mm	.097" 2.46mm	.008" / .20mm .010" / .25mm	<b>186 Repro</b> <b>399 Blank</b>
FIAX19BP285	<b>ULTIMATE ROAD</b>	2500-7300	15 BHP	288 deg	288 deg	.410" 10.40mm	.410" 10.40mm	36 - 72 72 - 36	108 deg	.107" 2.72mm	.105" 2.67mm	.008" / .20mm .010" / .25mm	<b>186 Repro 399</b> <b>Blank</b>
FIAX19BP300	<b>RALLY</b>	3000-7800		290 deg	290 deg	.440" 11.18mm	.440" 11.18mm	39 - 71 71 - 39	106 deg	.156" 3.96mm	.154" 3.91mm	.010" / .25mm .012" / .30mm	<b>186 Repro</b> <b>399 Blank</b>
FIAX19BP320	<b>RACE</b>	3500-8000		316 deg	316 deg	.440" 11.18mm	.440" 11.18mm	53 - 83 83 - 53	105 deg	.166" 4.22mm	.164" 4.26mm	.010" / .25mm .012" / .30mm	<b>186 Repro</b> <b>399 Blank</b>

## FIAT TWIN CAM 1.6 / 1.8 / 2.0

Valve lifts quoted assume a rocker ratio of 1:1

Oversize shims or skimmed carriers may be required

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift	Lift @ TDC with clearance		Valve Clearance	Price €
				Inl	Exh	Inl	Exh			Inl	Exh		
FIATTCBP270	<b>FAST ROAD</b>	2000-6500	10 BHP	280 deg	280 deg	.385" 9.80mm	.385" 9.80mm	32 - 68 68 - 32	108 deg 108 deg	.099" 2.51mm	.097" 2.46mm	.008" / .20mm .010" / .25mm	<b>314 Repro</b> <b>718 Blank</b>
FIATTCBP285	<b>ULTIMATE ROAD</b>	2500-7000	15 BHP	288 deg	288 deg	.410" 10.40mm	.410" 10.40mm	36 - 72 72 - 36	108 deg 108 deg	.107" 2.72mm	.105" 2.67mm	.008" / .20mm .010" / .25mm	<b>314 Repro</b> <b>718 Blank</b>
FIATTCBP300	<b>RALLY</b>	3000-7500		290 deg	290 deg	.440" 11.18mm	.440" 11.18mm	39 - 71 71 - 39	106 deg 106 deg	.156" 3.96mm	.154" 3.91mm	.008" / .20mm .010" / .25mm	<b>314 Repro</b> <b>718 Blank</b>
FIATTCBP320	<b>RACE <i>NEW</i></b>	3500-8000		304 deg	304 deg	.472" 11.98mm	.470" 11.93mm	48 - 76 76 - 48	104 deg 106 deg	.178" 4.51mm	.166" 4.21mm	.008" / .20mm .010" / .25mm	<b>718 Blank</b>

### ADDITIONAL COMPONENTS FOR ABOVE ENGINES:

TBP1 - Fiat Uno turbo 1.3 & X19 1500 comp.cam belt 45 €  
 TBP2 - Fiat Uno turbo 1.4 comp.cam belt 45 €  
 TBP3 - Fiat 2.0 twin cam comp.cam belt 45 €  
 VDSPUN - Fiat Punto GT double valve springs 152 €

PULDUNO - Fiat Uno turbo / Punto GT alloy vernier pulley 215 €  
 PULDIX19 - Fiat X19 / 128 SOHC alloy vernier pulley 215 €  
 PULDFTC - Pr Fiat twin cam 1.6/2.0 alloy vernier pulleys 351 €  
 VDSFTC - Fiat 1.6/2.0 twin cam double valve springs 152 €

# CAMSHAFTS FORD X FLOW 1300 / 1600

**PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1.5:1

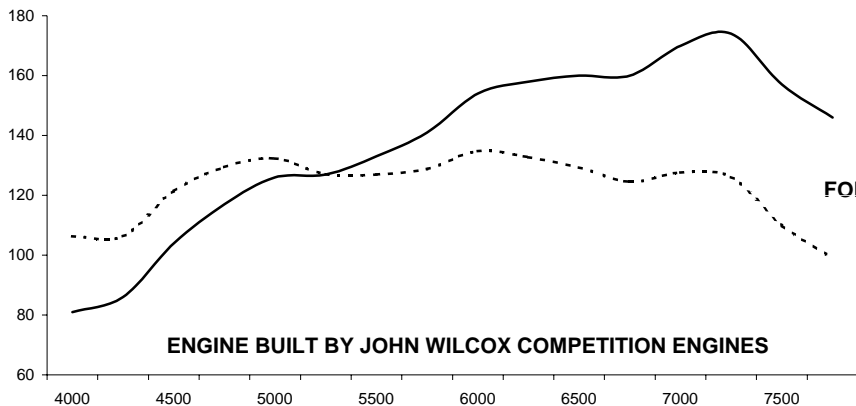
Many other profiles are available. Ask for details

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl with clearance	Exh		
XFBP255	<b>MILD ROAD</b> Ideal for autotest and trials where low down torque is required. No other engine mods required	1000-6000	8 BHP	260 deg	260 deg	.384" 9.75mm	.384" 9.75mm	21 - 59 59 - 21	109 deg	.048" 1.22mm	.048" 1.22mm	.018" / .45mm .018" / .45mm	146 Repro 251 Blank	
XFBP270	<b>FAST ROAD</b> Excellent power & torque improvement with smooth idle. Ideal with twin carbs & 4:2:1 manifold	1500-6500	12 BHP	268 deg	268 deg	.415" 10.54mm	.413" 10.49mm	26 - 62 62 - 26	108 deg	.070" 1.78mm	.068" 1.72mm	.014" / .35mm .014" / .35mm	146 Repro 251 Blank	
XFBP285	<b>ULTIMATE ROAD</b> Massive improvements in mid range and top end power. No machining required	2500-7500	18 BHP	292 deg	292 deg	.430" 10.92mm	.430" 10.92mm	38 - 74 74 - 38	108 deg	.086" 2.18mm	.086" 2.18mm	.014" / .35mm .014" / .35mm	146 Repro 251 Blank	
XFBP300	<b>RALLY</b> For use in well modified engines where serious power and 'thumping' mid range torque is required	3000-8000		316 deg	316 deg	.459" 11.66mm	.459" 11.66mm	54 - 82 82 - 54	104 deg	.177" 4.50mm	.177" 4.50mm	.015" / .38mm .015" / .38mm	251 Blank	
XFBP320	<b>RACE</b> The ultimate race profile. Designed to give phenomenal top end power and a wide power band	4000-8500		320 deg	320 deg	.493" 12.52mm	.493" 12.52mm	57 - 83 83 - 57	103 deg	.186" 4.72mm	.186" 4.72mm	.014" / .35mm .014" / .35mm	251 Blank	
XF391	<b>1300 STOCKROD</b> No machining required. This is the hottest profile that can be installed without machining.	3000-7000		296 deg	296 deg	.440" 11.18mm	.440" 11.18mm	38 - 78 78 - 38	110 deg	.104" 2.64mm	.104" 2.64mm	.018" / .45mm .018" / .45mm	251 Blank	
XFA6	<b>RACE</b>			324 deg	324 deg	.410" 10.42mm	.408" 10.37mm	56 - 88 88 - 56	106 deg	.154" 3.91mm	.152" 3.86mm	.016" / .40mm .018" / .45mm	251 Blank	
XFA8	<b>RACE</b>			332 deg	332 deg	.411" 10.43mm	.409" 10.38mm	66 - 88 88 - 66	100 deg	.171" 4.34mm	.169" 4.29mm	.017" / .43mm .019" / .48mm	251 Blank	
XFA9	<b>RACE</b>			336 deg	336 deg	.441" 11.19mm	.439" 11.14mm	64 - 92 92 - 64	104 deg	.169" 4.29mm	.167" 4.24mm	.017" / .43mm .019" / .48mm	251 Blank	

Steel billet cams available 662 €

## CAM KITS FORD X FLOW 1300 / 1600 INCLUDE:

Part No.	Cams	Followers	Hydraulic Adjusters	Valve Springs	Spring Seats	Stem Seals	Spring Caps	Spray Bar	Ball Studs	Timing Belt	Vernier Pulley	Timing Disc & Lube	Price exc.VAT
KBXF255	X	X		X								X	263 Repro 303 Blank
KBXF270	X	X		X								X	263 Repro 303 Blank
KBXF285	X	X		X		X	X					X	330 Repro 375 Blank
KBXF300	X	X		X		X	X					X	375 Blank
KBXF320	X	X		X		X	X					X	375 Blank



### ADDITIONAL COMPONENTS FOR ABOVE ENGINES:

- PULSXF - Xflow vernier duplex kit 184 €
- TCXF - Xflow duplex timing chain 39 €
- XFDOW - Xflow offset dowel set 67 €
- FOLFW - Xflow 711 follower set 82 €
- FOLFN - Pre Xflow follower set 116 €
- PULXFC - Xflow steel crank pulley 88 €

- SC9 - Steel retainers for above 74 €
- SC10 - Steel spring caps for above 74 €
- VSSF - Single valve spring set 74 €
- VDSF2 - Xflow double valve spring kit 141 €
- VDSFBPR - Race double valve springs 144 €

# CAMSHAFTS FORD 1600 / 1800 / 2000 SOHC 'PINTO'

**PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1.65:1

**NEW 2006 SPEC CHILL CAST BLANKS FEATURING REINFORCED THRUST GROOVES**

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC with clearance		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl	Exh		
OHCBP255	<b>MILD ROAD</b> Gives improvements in torque throughout the rev range. Ideal for towing. No other engine mods required	1500-6000	8 BHP	268 deg	268 deg	.400" 10.16mm	.400" 10.16mm	21 - 67 67 - 21	113 deg	N/A	N/A	.008" / .20mm .010" / .25mm	266 Blank	
OHC134	<b>FAST ROAD</b> INJECTION Excellent power and torque increase combined with smooth idle	2000-6500	15 BHP	266 deg	266 deg	.480" 12.19mm	.480" 12.19mm	23 - 63 63 - 23	110 deg	N/A	N/A	.008" / .20mm .010" / .25mm	266 Blank	
OHCBP270	<b>FAST ROAD</b> CARB For use in carburettor engines, gives excellent power & torque increase combined with a smooth idle	2000-6500	15 BHP	268 deg	268 deg	.430" 10.92mm	.430" 10.92mm	23 - 65 65 - 23	111 deg	N/A	N/A	.008" / .20mm .010" / .25mm	266 Blank	
OHCBP285	<b>ULTIMATE ROAD</b> Excellent mid range and top end power and torque. Good with std carb, ideal with 2 x 45DCOE's	2200-7000	22 BHP	270 deg	290 deg	.465" 11.81mm	.465" 11.81mm	27 - 63 73 - 37	108 deg	N/A	N/A	.008" / .20mm .010" / .25mm	266 Blank	
OHCBP300	<b>RALLY</b> Phenomenal range of torque over a wide rev range is what makes this cam the no.1 choice for rally drivers	2500-7500		292 deg	292 deg	.495" 12.57mm	.495" 12.57mm	40 - 72 72 - 40	106 deg	N/A	N/A	.008" / .20mm .010" / .25mm	282 Blank	
OHCBP320	<b>RACE</b> For circuit racing where outright power is the name of the game. Capable of producing over 220bhp in a 2ltr	4000-8500		322 deg	322 deg	.540" 13.70mm	.540" 13.70mm	57 - 85 85 - 57	104 deg	N/A	N/A	.012" / .30mm .012" / .30mm	282 Blank	
OHCA8	<b>RALLY/GRASS</b> Ultimate loose surface cam	2800-7800		304 deg	304 deg	.500" 12.70mm	.500" 12.70mm	48 - 76 76 - 48	104 deg	N/A	N/A	.008" / .20mm .010" / .25mm	282 Blank	
OHC947	<b>F2 SUPERSTOCK</b> Ultimate oval cam gives massive torque for excellent corner acceleration	3000-7900		300 deg	300 deg	.510" 12.95mm	.510" 12.95mm	46 - 74 74 - 46	104 deg	N/A	N/A	.008" / .20mm .010" / .25mm	282 Blank	
OHC446	<b>LIGHTENING ROD</b> <i>NEW</i>	2800-7000		289 deg	289 deg	.501" 12.72mm	.499" 12.67mm	37 - 73 73 - 37	108 deg	N/A	N/A	.012" / .30mm .014" / .35mm	282 Blank	
OHC617	<b>F2 STOCKCAR</b> <i>NEW</i>	2800-7000		308 deg	276 deg	.523" 13.29mm	.521" 13.23mm	46 - 82 66 - 30	108 deg	N/A	N/A	.010" / .25mm .012" / .30mm	282 Blank	

## CAM KITS FORD 1600 / 1800 / 2000 SOHC 'PINTO' INCLUDE:

Part No.	Cams	Followers	Hydraulic Adjusters	Valve Springs	Spring Seats	Stem Seals	Spring Caps	Spray Bar	Ball Studs	Timing Belt	Vernier Pulley	Timing Disc & Lube	Price exc.VAT
KBOHC255	X	X		X				X	X			X	434 Blank
KBOHC134	X	X		X				X	X			X	434 Blank
KBOHC270	X	X		X				X	X			X	434 Blank
KBOHC285	X	X		X				X	X			X	434 Blank
KBOHC300	X	X		X		X		X	X			X	529 Blank
KBOHC320	X	X		X		X		X	X			X	529 Blank
KBOHCA8	X	X		X		X		X	X			X	529 Blank
KBOHC947	X	X		X		X		X	X			X	529 Blank

### ADDITIONAL COMPONENTS FOR ABOVE ENGINES:

PULDOHC - SOHC alloy vernier pulley 176 €

TBP7 - 1.8/2.0 Competition cam belt 45 €

TBP6 - 1.6 Competition cam belt 45 €

FOLOHC - SOHC follower set 98 €

VSSOHC - SOHC single valve spring set 104 €

SC8A - Steel retainers for single springs 74 €

VDSOHC - SOHC double valve spring set 154 €

SC8B - Steel retainers for double springs 74 €

VSOOHC - SOHC valve stem seals 16 €

BSTUD - SOHC ball stud set 45 €

SBAR - SOHC spray bar 47 €

PULDAUX - SOHC alloy auxiliary pulley 88 €

# CAMSHAFTS FORD 1300 / 1600 CVH RS TURBO XR3I XR2

**PIPER CAMS**

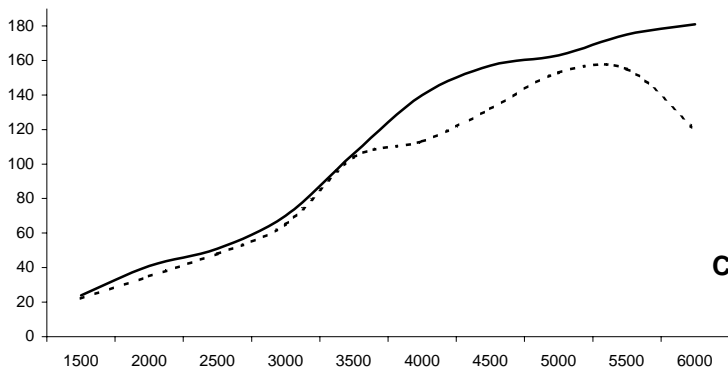
Valve lifts quoted assume a rocker ratio of 1.65:1

**NOTE:** These are very high performance cams, standard valve springs coil bind, always fit a complete cam kit.

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC with clearance		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl	Exh		
CVHBP255	<b>MILD ROAD</b> . For use in all size engines	1000-5500	6 BHP	268 deg	268 deg	.400" 10.16mm	.400" 10.16mm	22 - 66 66 - 22	112 deg		.045" 1.14mm	.045" 1.14mm	HYDRAULIC	299 Blank
CVHBP270	<b>FAST ROAD</b> When used in 1300/1400 engines. Excellent mild road cam in 1600	1200-6000	10 BHP	270 deg	270 deg	.440" 11.17mm	.440" 11.17mm	25 - 65 65 - 25	110 deg		.070" 1.78mm	.070" 1.78mm	HYDRAULIC	299 Blank
CVHBP285	<b>FAST ROAD</b> <b>INJECTION</b> - Designed for use in injection engines. Excellent power and torque combined with smooth idle	1500-6600	12 BHP	276 deg	276 deg	.440" 11.17mm	.440" 11.17mm	30 - 66 66 - 30	108 deg		.080" 2.03mm	.080" 2.03mm	HYDRAULIC	299 Blank
CVHBP285C	<b>FAST ROAD</b> <b>CARBURETTOR</b> - Massive mid range and top end power improvements. The ultimate 'carb' cam	2000-7000+	15 BHP	280 deg	280 deg	.495" 12.57mm	.495" 12.57mm	34 - 66 66 - 34	106 deg		.096" 2.43mm	.096" 2.43mm	HYDRAULIC	299 Blank
CVHBP285T	<b>FAST ROAD</b> <b>TURBO</b> - For use in cars running std boost pressure, fantastic mid range.	2000-6000+	15 BHP	270 deg	270 deg	.458" 11.63mm	.440" 11.17mm	16 - 74 74 - 16	119 deg		.013" 0.33mm	.026" 0.67mm	HYDRAULIC	299 Blank
CVHBP285T2	<b>ULTIMATE ROAD</b> <b>HIGH BOOST TURBO</b> - For engines running 14lbs+ boost, this cam has revolutionised the tuning world	2300-6500+	26 BHP	262 deg	270 deg	.450" 11.43mm	.440" 11.17mm	17 - 65 69 - 21	114 deg		.044" 1.12mm	.055" 1.40mm	HYDRAULIC	299 Blank
CVHBP300M	<b>RALLY <i>NEW</i></b> Torque & power in abundance. The two ingredients needed to win rallies, this cam has both in abundance	2800-7500		302 deg	302 deg	.506" 12.84mm	.504" 12.79mm	45 - 77 77 - 45	106 deg		.165" 4.19mm	.163" 4.14mm	.010" / .25mm .012" / .30mm	299 Blank
CVHBP320M	<b>RACE</b> When raw power is required, do not compromise fit this one	4000-8000		352 deg	352 deg	.458" 11.63mm	.458" 11.63mm	73 - 99 99 - 73	103 deg		.180" 4.57mm	.178" 4.52mm	.014" / .35mm .016" / .40mm	299 Blank

## CAM KITS FORD 1300 / 1600 CVH RS TURBO XR3I XR2 INCLUDE:

Part No.	Cams	Followers	Hydraulic Adjusters	Valve Springs	Spring Seats	Stem Seals	Spring Caps	Spray Bar	Ball Studs	Timing Belt	Vernier Pulley	Timing Disc & Lube	Price €
KBCVH255	X	X		X	X	X						X	524 Blank
KBCVH270	X	X		X	X	X						X	524 Blank
KBCVH285	X	X		X	X	X						X	524 Blank
KBCVH285C	X	X		X	X	X						X	524 Blank
KBCVH285T	X	X		X	X	X						X	524 Blank
KBCVH285T2	X	X		X	X	X						X	524 Blank



**Ford CVH RS Turbo**  
Chipped running 15 psi

**Std Cam - 155 bhp @ 6000 rpm**

**CVHBP285T2 - 181 bhp @ 6000 rpm**

### ADDITIONAL COMPONENTS FOR ABOVE ENGINES:

- FOLCVH - CVH hydraulic follower set 164 €
- FOLCVHA - CVH anti-pump hyd follower set 215 €
- FOLCVHS - CVH solid follower set 330 €
- PULDCVH - CVH alloy vernier pulley 176 €
- TBP4 -1.4/1.6 Competition cam belt 45 €
- TBP5 -1.1/1.3 Competition cam belt 45 €
- VSSCVH - CVH single valve spring kit 141 €
- VDSCVH2 - CVH double valve spring kit 263 €
- SSCVH - CVH spring seats & seals set 47 €
- KBCVH285S - XR3i cam/chip kit 854 €
- KBCVH285T2S - RS Turbo cam/chip kit 1482 €

# CAMSHAFTS FORD V6 2.3 / 2.8 'COLOGNE' CARB

**PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1.47:1

State year when ordering: Bearing size change - No.1 journal Pre 1982 =1.652"/41.90mm. Post 1982 =1.730"/43.90mm.

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	with clearance Inl	Exh		
V623BP270	FAST ROAD	1500-6500	15 BHP	272 deg	272 deg	.403" 10.24mm	.403" 10.24mm	28 - 64 64 - 28	108 deg	.062" 1.57mm	.060" 1.52mm	.014" / .35mm .016" / .40mm	234 Repro 322 Blank	
V623BP285	ULTIMATE ROAD	2200-6800	20 BHP	282 deg	272 deg	.416" 10.57mm	.403" 10.24mm	33 - 69 64 - 28	108 deg	.072" 1.83mm	.062" 1.57mm	.012" / .30mm .014" / .35mm	234 Repro 322 Blank	
V623BP300	RALLY	3000-7000		300 deg	300 deg	.438" 11.13mm	.438" 11.13mm	42 - 78 78 - 42	108 deg	.115" 2.92mm	.113" 2.87mm	.014" / .35mm .016" / .40mm	322 Blank	
V623BP320	RACE	3500-7500		320 deg	320 deg	.450" 11.43mm	.450" 11.43mm	54 - 86 86 - 54	106 deg	.166" 4.22mm	.164" 4.17mm	.012" / .30mm .014" / .35mm	322 Blank	

## FORD V6 2.8 'COLOGNE' INJECTION ENGINE

Valve lifts quoted assume a rocker ratio of 1.47:1

State year when ordering: Bearing size change - No.1 journal Pre 1982 =1.652"/41.90mm. Post 1982 =1.730"/43.90mm.

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	with clearance Inl	Exh		
V628BP270	FAST ROAD	1500-6500	15 BHP	272 deg	272 deg	.403" 10.24mm	.403" 10.24mm	24 - 68 68 - 24	112 deg	.043" 1.09mm	.041" 1.04mm	.014" / .35mm .016" / .40mm	234 Repro 322 Blank	
V628BP285	ULTIMATE ROAD	2000-6500	20 BHP	276 deg	276 deg	.422" 10.72mm	.422" 10.72mm	26 - 70 70 - 26	112 deg	.052" 1.32mm	.050" 1.27mm	.012" / .30mm .014" / .35mm	234 Repro 322 Blank	
V628BP300	RALLY	3000-7000		300 deg	300 deg	.438" 11.13mm	.438" 11.13mm	42 - 78 78 - 42	108 deg	.115" 2.92mm	.113" 2.87mm	.014" / .35mm .016" / .40mm	322 Blank	
V628BP320	RACE	3500-7500		320 deg	320 deg	.450" 11.43mm	.450" 11.43mm	54 - 86 86 - 54	106 deg	.166" 4.22mm	.164" 4.17mm	.012" / .30mm .014" / .35mm	322 Blank	

## CAM KITS

### FORD V6 2.3 / 2.8 'COLOGNE' CARB ENGINE INCLUDE:

Part No.	Cams	Followers	Hydraulic Adjusters	Valve Springs	Spring Seats	Stem Seals	Spring Caps	Spray Bar	Ball Studs	Timing Belt	Vernier Pulley	Timing Disc & Lube	Price €
KBV623270	X	X		X								X	460 Repro 548 Blank
KBV623285	X	X		X								X	460 Repro 548 Blank
KBV623300	X	X		X								X	548 Blank
KBV623320	X	X		X								X	548 Blank

### FORD V6 2.8 'COLOGNE' INJECTION ENGINE INCLUDE:

Part No.	Cams	Followers	Hydraulic Adjusters	Valve Springs	Spring Seats	Stem Seals	Spring Caps	Spray Bar	Ball Studs	Timing Belt	Vernier Pulley	Timing Disc & Lube	Price €
KBV628270	X	X		X								X	460 Repro 548 Blank
KBV628285	X	X		X								X	460 Repro 548 Blank
KBV628300	X	X		X								X	548 Blank
KBV628320	X	X		X								X	548 Blank

**ADDITIONAL COMPONENTS FOR ABOVE ENGINES:**

FOLV6G - Cologne V6 cam follower set 146 €

VSSV6G - Cologne V6 single valve spring set 108 €

**CAMSHAFTS FORD V6 2.9 ENGINE****PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1.47:1

All cams are for solid follower engines.

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC with clearance		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl	Exh		
V629BP270	<b>FAST ROAD</b>	1500-6500	14 BHP	268 deg	268 deg	.403" 10.24mm	.403" 10.24mm	23 - 65 65 - 23	111 deg	.040" 1.01mm	.038" 0.96mm	.018" / .45mm .020" / .50mm	234 Repro 322 Blank	
V629BP285	<b>ULTIMATE ROAD</b>	2200-6800	20 BHP	290 deg	290 deg	.427" 10.85mm	.427" 10.85mm	37 - 73 73 - 37	108 deg	.075" 1.90mm	.073" 1.85mm	.012" / .30mm .014" / .35mm	234 Repro 322 Blank	
V629BP300	<b>RALLY</b>	3000-7000		300 deg	300 deg	.438" 11.13mm	.438" 11.13mm	42 - 78 78 - 42	108 deg	.113" 2.87mm	.111" 2.82mm	.016" / .40mm .018" / .45mm	234 Repro 322 Blank	
V629BP320	<b>RACE</b>	3500-7500		320 deg	320 deg	.450" 11.43mm	.450" 11.43mm	54 - 86 86 - 54	106 deg	.164" 4.17mm	.162" 4.11mm	.014" / .35mm .016" / .40mm	234 Repro 322 Blank	
V629EURO1	<b>RACE</b> Eurocar spec	3000-7300		300 deg	300 deg	.462" 11.68mm	.462" 11.68mm	46 - 74 74 - 46	104 deg	.154" 3.91mm	.152" 3.86mm	.016" / .40mm .018" / .45mm	234 Repro 322 Blank	

**FORD V6 3.0 'ESSEX'**

Valve lifts quoted assume a rocker ratio of 1.47:1

V630BP270	<b>FAST ROAD</b>	1500-6500	18 BHP	272 deg	272 deg	.403" 10.24mm	.403" 10.24mm	28 - 64 64 - 28	108 deg	.062" 1.57mm	.060" 1.52mm	.014" / .35mm .016" / .40mm	234 Repro 543 Blank
V630BP285	<b>ULTIMATE ROAD</b>	2000-6500	24 BHP	288 deg	288 deg	.457" 11.61mm	.455" 11.56mm	35 - 73 73 - 35	109 deg	.086" 2.18mm	.084" 2.13mm	.014" / .35mm .016" / .40mm	234 Repro 543 Blank
V630BP300	<b>RALLY</b>	3000-7000		300 deg	300 deg	.438" 11.13mm	.438" 11.13mm	42 - 78 78 - 42	108 deg	.115" 2.92mm	.113" 2.87mm	.014" / .35mm .016" / .40mm	543 Blank
V630BP320	<b>RACE</b>	3500-7500		320 deg	320 deg	.450" 11.43mm	.450" 11.43mm	54 - 86 86 - 54	106 deg	.166" 4.22mm	.164" 4.17mm	.012" / .30mm .014" / .35mm	543 Blank

**CAM KITS****FORD V6 2.9 ENGINE INCLUDE:**

Part No.	Cams	Followers	Hydraulic Adjusters	Valve Springs	Spring Seats	Stem Seals	Spring Caps	Spray Bar	Ball Studs	Timing Belt	Vernier Pulley	Timing Disc & Lube	Price €
KBV629270	X	X		X								X	460 Repro 548 Blank
KBV629285	X	X		X								X	460 Repro 548 Blank
KBV629300	X	X		X								X	460 Repro 548 Blank
KBV629320	X	X		X								X	460 Repro 548 Blank
KBV629EURO1	X	X		X								X	460 Repro 548 Blank

**FORD V6 3.0 'ESSEX' INCLUDE:**

KBV630270	X	X		X								X	460 Repro 769 Blank
KBV630285	X	X		X								X	460 Repro 769 Blank

**ADDITIONAL COMPONENTS FOR ABOVE ENGINES:**

FOLV6 - Essex V6 cam follower set 146 €

FOLV6G - Cologne V6 cam follower set 146 €

VSSV6G - Cologne V6 single valve spring set 108 €

VSSV6 - Essex V6 single valve spring set 108 €

# CAMSHAFTS FORD ESCORT / SIERRA COSWORTH 16v

**PIPER CAMS**

Many other profiles available ie BD10 / 14 / 15 and 16

Valve lifts quoted assume a rocker ratio of 1:1

Note: If blanks cams are fitted to 2WD cylinder heads then a 5mm thrust spacer is required. Part no: COSWASH

Part No.	Application		Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC		Valve Clearance	Price €
					Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	with clearance Inl	Exh		
COSBP270HT	<b>FAST ROAD</b>	<b>Turbo</b>	2000-6200	20 BHP	264 deg	264 deg	.340" 8.64mm	.340" 8.64mm	20 - 64 64 - 20	112 deg	112 deg	.034" 0.86mm	.034" 0.86mm	HYDRAULIC	447 Rebro 958 Blank
COSBP285HT	<b>ULTIMATE ROAD</b>	<b>Turbo</b>	2500-6600	30 BHP	264 deg	264 deg	.350" 8.89mm	.340" 8.64mm	22 - 62 62 - 22	110 deg	110 deg	.047" 1.19mm	.047" 1.19mm	HYDRAULIC	958 Blank
COSBP300HT	<b>RALLY</b>	<b>Turbo</b>	3000-7000		264 deg	264 deg	.400" 10.16mm	.400" 10.16mm	26 - 58 58 - 26	106 deg	106 deg	.075" 1.90mm	.075" 1.90mm	HYDRAULIC	958 Blank
COSBP320HT	<b>RACE</b>	<b>Turbo</b>	3500-7500		264 deg	264 deg	.428" 10.87mm	.428" 10.87mm	26 - 58 58 - 26	106 deg	106 deg	.078" 1.98mm	.078" 1.98mm	HYDRAULIC	958 Blank
COSBP270H	<b>FAST ROAD</b>	<b>Naturally Aspirated</b>	2000-6500		268 deg	268 deg	.395" 10.03mm	.367" 9.32mm	26 - 62 62 - 26	108 deg	108 deg	.067" 1.70mm	.065" 1.65mm	HYDRAULIC	958 Blank
COSBP285H	<b>ULTIMATE ROAD</b>	<b>Naturally Aspirated</b>	2500-7000		288 deg	288 deg	.407" 10.34mm	.407" 10.34mm	36 - 72 72 - 36	108 deg	108 deg	.086" 2.18mm	.086" 2.18mm	HYDRAULIC	958 Blank
COSBP285M	<b>ULTIMATE ROAD</b>	<b>Naturally Aspirated</b>	2500-7000		274 deg	274 deg	.420" 10.67mm	.418" 10.62mm	29 - 65 65 - 29	108 deg	108 deg	.102" 2.59mm	.102" 2.59mm	.008" / .20mm .010" / .25mm	447 Rebro 958 Blank
COSBP300M	<b>RALLY</b>	<b>Naturally Aspirated</b>	3000-7500		304 deg	300 deg	.464" 11.79mm	.420" 10.67mm	49 - 75 75 - 45	103 deg	105 deg	.182" 4.62mm	.144" 3.66mm	.010" / .25mm	447 Rebro 958 Blank
COSBP320M	<b>RACE</b>	<b>Naturally Aspirated</b>	3500-8000		320 deg	300 deg	.450" 11.43mm	.448" 11.38mm	58 - 82 74 - 46	102 deg	104 deg	.193" 4.90mm	.153" 3.89mm	.008" / .20mm .010" / .25mm	447 Rebro 958 Blank

## CAM KITS FORD ESCORT / SIERRA COSWORTH 16v INCLUDE:

Part No.	Cams	Followers	Hydraulic Adjusters	Valve Springs	Spring Seats	Stem Seals	Spring Caps	Spray Bar	Ball Studs	Timing Belt	Vernier Pulley	Timing Disc & Lube	Price €
KBCOS270HT	X	X										X	1250 Blank
KBCOS285HT	X	X										X	1250 Blank
KBCOS300HT	X	X		X			X					X	1559 Blank
KBCOS320HT	X	X		X			X					X	1559 Blank
KBCOS270H	X	X		X			X					X	1559 Blank
KBCOS285H	X	X		X			X					X	1559 Blank



### ADDITIONAL COMPONENTS FOR ABOVE ENGINES:

- PULDCOS - Pr cosworth alloy vernier pulleys 333 €
- TBP9 - Cosworth competition cam belt 69 €
- VDSCOS - Cosworth double valve spring set 303 €
- SC7 - Cosworth steel valve spring retainers 121 €
- COSWASH - 5mm thrust spacer 16 €
- FOLCOSH - Cosworth hydraulic follower set 455 €
- FOLCOSM - Cosworth solid follower set 785 €

**CAMSHAFTS FORD BDA / BDG / BDT****PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1:1

Various combinations of inlet &amp; exhaust profiles are available, the range is vast, please call for further information

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC with clearance		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl	Exh		
BDAL1				304 deg	304 deg	.400" 10.16mm	.400" 10.16mm	46 - 78 78 - 46	106 deg	106 deg	.134" 3.40mm	.134" 3.40mm	.010" / .25mm .010" / .25mm	814 Blank
BDAF1				320 deg	320 deg	.400" 10.16mm	.400" 10.16mm	58 - 82 82 - 58	106 deg	106 deg	.163" 4.15mm	.163" 4.15mm	.010" / .25mm .010" / .25mm	814 Blank
BDAPH4				312 deg	312 deg	.427" 10.84mm	.427" 10.84mm	50 - 82 82 - 50	106 deg	106 deg	.162" 4.11mm	.162" 4.11mm	.010" / .25mm .010" / .25mm	814 Blank
BDABD4				312 deg	312 deg	.418" 10.66mm	.418" 10.61mm	54 - 78 80 - 52	106 deg	106 deg	.153" 3.88mm	.153" 3.88mm	.010" / .25mm .010" / .25mm	814 Blank
BDADA10				312 deg	312 deg	.400" 10.16mm	.400" 10.16mm	50 - 82 82 - 50	106 deg	106 deg	.144" 3.66mm	.144" 3.66mm	.010" / .25mm .010" / .25mm	814 Blank
BDADA19				304 deg	304 deg	.443" 11.24mm	.443" 11.24mm	46 - 78 78 - 46	106 deg	106 deg	.143" 3.83mm	.143" 3.83mm	.010" / .25mm .010" / .25mm	814 Blank

**FORD ZETEC 16v 1.6 / 1.8 / 2.0 ESCORT / ORION MK 5 / 6 / 7 / 8 / FIESTA MK 3 / MONDEO MK 1**

Valve lifts quoted assume a rocker ratio of 1:1

All profiles designed for standard diameter tappets

Part No.	Application	Power Band	Power Increase	Duration	Valve Lift	Timing	Full Lift	Lift @ TDC	Valve Clearance	Price €
ZETABP270AH	<b>FAST ROAD</b> For 1.6 90 bhp engine	1800-6800	12 BHP	264 deg 264 deg	.340" 8.64mm	.340" 8.64mm	22 - 62 62 - 22	110 deg 110 deg	.024" 6.10mm	314 Repro 798 Blank
ZETABP270BH	<b>FAST ROAD</b> For 130 bhp engine	1800-6800	16 BHP	264 deg 260 deg	.395" 10.03mm	.367" 9.32mm	22 - 62 60 - 20	110 deg 110 deg	.058" 1.47mm	314 Repro 798 Blank
ZETABP285H	<b>ULTIMATE ROAD</b> Not recommended for use with std injection, gives 200bhp in 2.0 running throttle bodies & ported head	2500-7500	22 BHP	280 deg 270 deg	.406" 10.31mm	.370" 9.40mm	32 - 68 65 - 25	104 deg 104 deg	.106" 2.70mm	798 Blank
ZETABP300M	<b>RALLY</b>	3000-8000		284 deg 280 deg	.450" 11.43mm	.425" 10.80mm	36 - 68 68 - 32	104 deg 104 deg	.123" 3.12mm	798 Blank
ZETABP320M	<b>RACE</b> Use special tappets part no. FOLZETAM31 with shims underneath	3500-8500		290 deg 284 deg	.484" 12.29mm	.464" 11.79mm	41 - 69 68 - 36	104 deg 106 deg	.142" 3.60mm	798 Blank

**CAM KITS****FORD ZETEC 16v 1.6 / 1.8 / 2.0 ESCORT / ORION MK 5 / 6 / 7 / 8 / FIESTA MK 3 / MONDEO MK 1 INCLUDES :**

Part No.	Cams	Followers	Hydraulic Adjusters	Valve Springs	Spring Seats	Stem Seals	Spring Caps	Spray Bar	Ball Studs	Timing Belt	Vernier Pulley	Timing Disc & Lube	Price €
KBZETA270AH	X	X										X	665 Repro 1170 Blank
KBZETA270BH	X	X										X	665 Repro 1170 Blank
KBZETA285H	X	X		X								X	1224 Blank

**ADDITIONAL COMPONENTS FOR ABOVE ENGINES:**

TBP8 - Zetec competition cam belt 69 €

PULDZETA - Pr zetec alloy vernier pulleys 333 €

VSSZETA - Zetec single valve spring set 205 €

SC11 - Zetec steel valve spring retainers 121 €

FOLZETAH - Zetec hydraulic follower set 455 €

FOLZETAM - Zetec solid follower set 785 €

FOLZETAM31 - Zetec 31mm oversize solid follower set 785 €

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

**PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1:1

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC with clearance		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl	Exh		
DURBP270	<b>FAST ROAD</b> Piper valve springs, VSSDUR, must be used	1800-6800	12 BHP	260 deg	244 deg	.383" 9.73mm	.348" 8.84mm	17 - 63 48 - 17	113 deg	105 deg	.034" 0.87mm	.034" 0.87mm	.008" / .20mm .010" / .25mm	718 Blank
DUR1892	For use with throttle bodies & Piper VSSDUR springs. These are the hottest profile that can be fitted without machining pistons.	2000-7200		276 deg	276 deg	.402" 10.21mm	.400" 10.16mm	30 - 66 66 - 30	108 deg	108 deg	.084" 2.13mm	.082" 2.08mm	.008" / .20mm .010" / .25mm	718 Blank
DURBP285	<b>ULTIMATE ROAD</b> For use with throttle bodies. Piper valve springs, VSDUR, must be used	2500-7500	18 BHP	278 deg	268 deg	.414" 10.52mm	.406" 10.31mm	33 - 65 60 - 28	106 deg	106 deg	.138" 3.51mm	.110" 2.79mm	.011" / .28mm .015" / .38mm	718 Blank
DURBP300	<b>RALLY</b> For use with throttle bodies. Piper valve springs, VSDUR, must be used	3000-8000		296 deg	288 deg	.460" 11.68mm	.420" 10.67mm	46 - 70 68 - 40	102 deg	104 deg	.165" 4.19mm	.130" 3.30mm	.010" / .25mm .012" / .28mm	718 Blank
DURBP320	<b>RACE</b> For use with throttle bodies. Piper valve springs, VSDUR, must be used	3500-8500		300 deg	288 deg	.517" 13.13mm	.485" 12.32mm	52 - 68 62 - 46	98 deg	98 deg	.227" 5.76mm	.182" 4.62mm	.010" / .25mm .012" / .28mm	718 Blank

## FORD FOCUS & FIESTA 1.25 / 1.4 / 1.6 16v

Valve lifts quoted assume a rocker ratio of 1:1

All profiles designed for standard diameter tappets, oversize shims may be required

FOC12BP270	<b>FAST ROAD</b> <i>NEW</i>	2000-7000	8 BHP	232 deg	232 deg	.273" 6.93mm	.271" 6.88mm	6 - 46 46 - 6	110 deg	110 deg	.008" 0.21mm	.006" 0.16mm	.014" / .35mm .016" / .40mm	798 Blank
FOC14BP270	<b>FAST ROAD</b> <i>NEW</i>	2000-7000	8 BHP	232 deg	232 deg	.300" 7.62mm	.271" 6.88mm	6 - 46 46 - 6	110 deg	110 deg	.008" 0.21mm	.006" 0.16mm	.012" / .30mm .016" / .40mm	798 Blank
FOC16BP270	<b>FAST ROAD</b>	2000-7000	10 BHP	240 deg	232 deg	.308" 7.83mm	.280" 7.11mm	12 - 48 46 - 6	108 deg	110 deg	.025" 0.63mm	.008" 0.20mm	.012" / .30mm .014" / .35mm	798 Blank
FOC16BP285	<b>ULTIMATE ROAD</b> Not recommended for use with std injection. Piper valve springs (Part no VSSFOC) must be used	3000-7500		272 deg	240 deg	.358" 9.09mm	.304" 7.72mm	26 - 66 50 - 10	110 deg	110 deg	.055" 1.39mm	.018" 0.40mm	.008" / .20mm .012" / .30mm	798 Blank
FOC16BP300	<b>RALLY</b> <i>NEW</i> Not recommended for use with std injection. Piper valve springs (Part no VSSFOC) must be used	3500-8200		288 deg	276 deg	.441" 11.19mm	.421" 10.68mm	40 - 68 64 - 32	104 deg	106 deg	.127" 3.23mm	.095" 2.41mm	.008" / .20mm .010" / .25mm	798 Blank
FOC16BP320	<b>RACE</b> <i>NEW</i> Not recommended for use with std injection. Piper valve springs (Part no VSSFOC) must be used	3800-8500		288 deg	284 deg	.460" 11.69mm	.401" 10.19mm	42 - 66 64 - 40	102 deg	104 deg	.147" 3.73mm	.108" 2.78mm	.010" / .25mm .012" / .30mm	798 Blank

## FORD FOCUS & MONDEO Mk2 1.8 / 2.0 16v (05/98 On)

Valve lifts quoted assume a rocker ratio of 1:1

Many other profile available. Please call for details

FOC20BP270	<b>FAST ROAD</b>	1800-7000	12 BHP	260 deg	248 deg	.372" 9.45mm	.345" 8.76mm	20 - 60 54 - 14	110 deg	110 deg	.045" 1.14mm	.024" 0.61mm	.010" / .25mm .012" / .30mm	798 Blank
FOC20BP285	<b>ULTIMATE ROAD</b>	3000-8000		264 deg	256 deg	.382" 9.71mm	.361" 9.18mm	24 - 60 56 - 20	108 deg	108 deg	.063" 1.60mm	.045" 1.14mm	.010" / .25mm .012" / .30mm	798 Blank

## FORD FOCUS 2.0 16v ST170

Valve lifts quoted assume a rocker ratio of 1:1

All profiles designed for standard diameter tappets

FOCSTBP285	<b>ULTIMATE ROAD</b> Not recommended for use with std injection	2500-7500		280 deg	264 deg	.425" 10.80mm	.380" 9.66mm	34 - 66 58 - 26	106 deg	106 deg	.101" 2.57mm	.069" 1.75mm	.010" / .25mm .012" / .30mm	314 Repro
FOCSTBP300	<b>RALLY</b> Not recommended for use with std injection	3000-8000		284 deg	272 deg	.450" 11.44mm	.413" 10.50mm	38 - 66 60 - 32	104 deg	104 deg	.122" 3.10mm	.086" 2.18mm	.010" / .25mm .012" / .30mm	314 Repro

### ADDITIONAL COMPONENTS FOR ABOVE ENGINES:

FOLZETAM - Focus 2.0 competition solid follower set 785 €

FOLFOC - Focus 1.6 comp. solid follower set 785 €

TBP30 - Focus 1.6/2.0 comp cam belt 69 €

PULDZETA - Pr Focus 2.0 alloy vernier pulleys 333 €

VSSFOC16 - Focus 1.6 single valve spring and cap set 306 €

VSSDUR - Duratec single valve spring and cap set 306 €

VSDUR - Duratec double valve spring, seat, seal and cap set 559 €

VSSZETA34 - Focus 2.0 single valve spring kit 306 €

PULDFOC - Pr focus 1.6 alloy vernier pulleys 346 €

SC20 - Duratec spring retainer set 121 €

SC24 - Focus 1.6 steel valve spring retainers 121 €

SC11 - Zetec steel valve spring retainers 121 €

TBP31 - Focus 1.4 / Puma 1.7 comp cam belt 69 €

PULSDUR - Duratec vernier kit 239 €

VSODUR - Duratec oil seals 82 €

**CAMSHAFTS FORD FOCUS RS****PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1:1

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	with clearance Inl Exh	Inl Exh		
FOCRSBP270	FAST ROAD	1800-7000	18 BHP	260 deg	260 deg	.370" 9.40mm	.368" 9.35mm	20 - 60 60 - 20	110 deg	110 deg	.046" 1.16mm	.044" 1.11mm	.010" / .25mm .012" / .28mm	798 Blank

**FORD PUMA 1.7 16v**

Valve lifts quoted assume a rocker ratio of 1:1

All profiles designed for standard diameter tappets. Oversize shims will be required for reground cams

PUMBP270	FAST ROAD	2000-7000	10 BHP	272 deg	240 deg	.358" 9.09mm	.304" 7.72mm	26 - 66 50 - 10	110 deg	110 deg	.055" 1.39mm	.018" 0.40mm	.008" / .20mm .012" / .30mm	314 Rebro 798 Blank
PUMRBP270	FAST ROAD - PUMA RACING	2000-7000	10 BHP	272 deg	248 deg	.368" 9.35mm	.343" 8.72mm	26 - 66 54 - 14	110 deg	110 deg	.082" 2.08mm	.024" 0.61mm	.008" / .20mm .012" / .30mm	798 Blank
PUMBP285	ULTIMATE ROAD	3500-8200		280 deg	272 deg	.368" 9.35mm	.358" 9.09mm	34 - 66 64 - 28	106 deg	108 deg	.105" 2.67mm	.061" 1.56mm	.010" / .25mm .010" / .25mm	798 Blank
PUMBP300	RALLY <i>NEW</i>	3500-8500		288 deg	276 deg	.441" 11.19mm	.421" 10.68mm	40 - 68 64 - 32	104 deg	106 deg	.127" 3.23mm	.095" 2.41mm	.008" / .20mm .010" / .25mm	798 Blank

**FORD RS2000 16v**

Valve lifts quoted assume a rocker ratio of 1:1

RS2BP270H	FAST ROAD	2000-7000	10 BHP	264 deg	264 deg	.428" 10.87mm	.396" 10.05mm	22 - 62 62 - 22	110 deg	110 deg	.063" 1.60mm	.058" 1.47mm	HYDRAULIC	314 Rebro 798 Blank
RS2BP285H	ULTIMATE ROAD	2500-7500	15 BHP	288 deg	264 deg	.407" 10.33mm	.396" 10.05mm	34 - 74 62 - 22	110 deg	110 deg	.076" 1.93mm	.058" 1.47mm	HYDRAULIC	314 Rebro 798 Blank
RS2BP300H	RALLY	2800-8000		290 deg	290 deg	.425" 10.80mm	.425" 10.80mm	41 - 69 73 - 37	104 deg	108 deg	.143" 3.64mm	.128" 3.18mm	HYDRAULIC	798 Blank
RS2BP300M	RALLY	2800-8000		280 deg	280 deg	.423" 10.74mm	.421" 10.69mm	36 - 64 66 - 34	104 deg	106 deg	.121" 3.08mm	.110" 2.80mm	.010" / .25mm .012" / .30mm	798 Blank
RS2BP320M	RACE	3000-8500		288 deg	284 deg	.460" 11.69mm	.443" 11.25mm	40 - 68 68 - 36	104 deg	106 deg	.137" 3.49mm	.137" 3.47mm	.010" / .25mm .012" / .30mm	798 Blank

**FORD KA 1.3 HCS ENDURA**

Valve lifts quotes assume a rocker ratio of 1.52:1

KABP255	MILD ROAD	1500-6500	5 BHP	240 deg	240 deg	.309" 7.85mm	.307" 7.80mm	15 - 45 45 - 15	105 deg		.018" 0.45mm	.016" 0.40mm	.019" / .49mm .021" / .54mm	275 Blank
KABP270	FAST ROAD	2000-7000	8 BHP	260 deg	256 deg	.338" 8.58mm	.331" 8.40mm	25 - 55 53 - 23	105 deg		.063" 1.59mm	.047" 1.20mm	.015" / .38mm .020" / .51mm	275 Blank
KABP285	ULTIMATE ROAD	2500-7500	12 BHP	276 deg	276 deg	.392" 9.96mm	.390" 9.91mm	33 - 63 63 - 33	105 deg		.087" 2.21mm	.085" 2.16mm	.018" / .46mm .020" / .51mm	275 Blank

**CAM KITS****FORD KA 1.3 HCS ENDURA INCLUDE :**

Part No.	Cams	Followers	Hydraulic Adjusters	Valve Springs	Spring Seats	Stem Seals	Spring Caps	Spray Bar	Ball Studs	Timing Belt	Vernier Pulley	Timing Disc & Lube	Price €
KBKA270	X	X		X								X	356 Blank

**ADDITIONAL COMPONENTS FOR ABOVE ENGINES:**

PULDpum - Puma 1.7 alloy vernier exh pulley 210 €

VSSRS2 - RS2000 16v single valve spring set 205 €

FOLpum - Puma 1.7 competition solid follower set 785 €

FOLKA - Ka cam followers 82 €

# CAMSHAFTS HONDA 1.6 16v VTEC

**PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1.49:1 on low & mid, 1.56:1 on high lobe

Part No.	Application	Power Band	Duration			Valve Lift			Full Lift		Lift @ TDC with clearance		Valve Clearance	Price €
			Low	Med	High	Low	Med	High	Inl ATDC	Exh BTDC	Inl	Exh		
VTECBP270	FAST ROAD	2000-8200	In 230 deg Ex 230 deg	In 240 deg Ex 240 deg	In 278 deg Ex 272 deg	In .220" Ex.200"	In.290" Ex.295"	In.440" Ex.406"	108 deg	108 deg	N/A	N/A	.010" / .25mm .012" / .30mm	1117 Blank
VTECBP285	ULTIMATE ROAD	3200-8600	In 236 deg Ex 236 deg	In 256 deg Ex 256 deg	In 304 deg Ex 280 deg	In .235" Ex.233"	In.350" Ex.348"	In.457" Ex.440"	104 deg	106 deg	N/A	N/A	.010" / .25mm .012" / .30mm	1117 Blank

## HONDA 2.2 16v VTEC

Valve lifts quoted assume a rocker ratio of 1.49:1 on low & mid, 1.56:1 on high lobe

VTEC22BP270	FAST ROAD	2000-8200	In 230 deg Ex 238 deg	In 280 deg Ex 278 deg	In 280 deg Ex 278 deg	In .255" Ex.299"	In.445" Ex.412"	In.469" Ex.438"	108 deg	108 deg	N/A	N/A	.008" / .20mm .010" / .25mm	1117 Blank
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## HONDA CIVIC TYPE R 2.0 16v I-VTEC

IVTECBP270	FAST ROAD - AVAILABLE EARLY 2006													
IVTECBP285	ULTIMATE ROAD - AVAILABLE EARLY 2006													

## JAGUAR 6 CYL

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC with clearance		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl	Exh		
JAG6BP255	MILD ROAD	1500-5800	8 BHP	264 deg	264 deg	.400" 10.17mm	.398" 10.12mm	22 - 62 62 - 22	110 deg	110 deg	.067" 1.68mm	.065" 1.63mm	.010" / .25mm .012" / .30mm	415 Rebro 931 Blank
JAG6BP270	FAST ROAD	2000-6000	15 BHP	274 deg	274 deg	.420" 10.67mm	.418" 10.62mm	27 - 67 67 - 27	110 deg	110 deg	.092" 2.33mm	.090" 2.28mm	.008" / .20mm .010" / .25mm	415 Rebro 931 Blank
JAG6BP285	ULTIMATE ROAD	2500-6500	20 BHP	280 deg	280 deg	.450" 11.43mm	.448" 11.38mm	30 - 70 70 - 30	110 deg	110 deg	.110" 2.79mm	.108" 2.74mm	.010" / .25mm .012" / .30mm	415 Rebro 931 Blank
JAG6BP300	RALLY	2800-7000		280 deg	280 deg	.460" 11.68mm	.438" 11.13mm	32 - 68 68 - 32	108 deg	108 deg	.126" 3.20mm	.095" 2.41mm	.010" / .25mm .012" / .30mm	931 Blank
JAG6BP320	RACE	3000-7500		296 deg	296 deg	.470" 11.94mm	.468" 11.89mm	42 - 74 76 - 40	106 deg	108 deg	.156" 3.96mm	.143" 3.64mm	.010" / .25mm .012" / .30mm	931 Blank
JAG6BP330	ULTIMATE RACE	3500-8000		296 deg	292 deg	.520" 13.21mm	.480" 12.20mm	42 - 74 72 - 40	106 deg	106 deg	.195" 4.96mm	.162" 4.12mm	.010" / .25mm .012" / .30mm	931 Blank

**ADDITIONAL COMPONENTS FOR ABOVE ENGINES:**

- PULDVTEC - Pr Honda vtec alloy vernier pulleys 351
- VDSVTEC - Honda vtec double valve spring set 303
- SC12 - Honda vtec steel valve spring retainer set 121 €
- TBP32 - Honda vtec competition cam belt 69 €

**CAMSHAFTS JAGUAR 12 CYL****PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1:1

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC with clearance		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl	Exh		
JAG12BP255	MILD ROAD	1800-6000	20 BHP	264 deg	264 deg	.400" 10.17mm	.398" 10.12mm	22 - 62 62 - 22	110 deg	110 deg	.067" 1.68mm	.065" 1.63mm	.010" / .25mm .012" / .30mm	620 Repr
JAG12BP270	FAST ROAD	2200-7000	25 BHP	274 deg	274 deg	.420" 10.67mm	.418" 10.62mm	27 - 67 67 - 27	110 deg	110 deg	.092" 2.33mm	.090" 2.28mm	.008" / .20mm .010" / .25mm	620 Repr
JAG12BP285	ULTIMATE ROAD	2500-7500		280 deg	280 deg	.450" 11.43mm	.448" 11.38mm	30 - 70 70 - 30	110 deg	110 deg	.110" 2.79mm	.108" 2.74mm	.010" / .25mm .012" / .30mm	620 Repr

**LANCIA DELTA INTEGRALE 16v TURBO**

Valve lifts quoted assume a rocker ratio of 1:1

LANCTBP270	FAST ROAD	1500-6500	15 BHP	244 deg	230 deg	.368" 9.33mm	.342" 8.69mm	12 - 52 45 - 5	110 deg	110 deg	.026" 0.65mm	.006" 0.15mm	.016" / .40mm .016" / .40mm	314 Repr
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**LOTUS TWIN CAM 8v**

Valve lifts quoted assume a rocker ratio of 1:1

Many other profiles available

LOTBP270	FAST ROAD	1500-6000	12 BHP	270 deg	270 deg	.352" 8.94mm	.350" 8.89mm	25 - 65 65 - 25	110 deg	110 deg	.079" 2.00mm	.077" 1.96mm	.008" / .20mm .010" / .25mm	223 Repr 747 Blank
LOTBP285	ULTIMATE ROAD	2000-7000	16 BHP	280 deg	280 deg	.384" 9.75mm	.382" 9.70mm	30 - 70 70 - 30	110 deg	110 deg	.090" 2.28mm	.088" 2.23mm	.008" / .20mm .010" / .25mm	223 Repr 747 Blank
LOTBP300	RALLY	2500-7500		304 deg	304 deg	.402" 10.21mm	.402" 10.21mm	46 - 78 81 - 43	106 deg	109 deg	.136" 3.45mm	.121" 3.06mm	.008" / .20mm .010" / .25mm	223 Repr 747 Blank
LOTBP320	RACE	3000-8000		324 deg	324 deg	.451" 11.44mm	.449" 11.39mm	60 - 84 84 - 60	102 deg	102 deg	.201" 5.12mm	.199" 5.06mm	.008" / .20mm .010" / .25mm	223 Repr 747 Blank

**MITSUBISHI EVO 1 / 2 / 3**

Valve lifts quoted assume a rocker ratio of 1.724:1

MITS1BP270	FAST ROAD	Extra high lift profile. Only Piper valve springs (Part no VSSMITS) must be used.	210 deg	204 deg	264 deg	260 deg	.433" 11.00mm	.394" 10.00mm	24 - 60 57 - 23	108 deg	107 deg	N/A	N/A	HYDRAULIC	1117 Blank
MITS1BP285	ULTIMATE ROAD	Extra high lift profile. Only Piper valve springs (Part no VSSMITS) must be used.	217 deg	211 deg	265 deg	265 deg	.453" 11.50mm	.425" 10.80mm	24.5 - 60.5 60.5 - 24.5	108 deg	107 deg	N/A	N/A	HYDRAULIC	1117 Blank
MITS1BP300	RALLY	Extra high lift profile. Only Piper valve springs (Part no VSSMITS) must be used.	217 deg	217 deg	265 deg	265 deg	.453" 11.50mm	.453" 11.50mm	24.5 - 60.5 60.5 - 24.5	108 deg	107 deg	N/A	N/A	HYDRAULIC	1117 Blank

**CAM KITS****MITSUBISHI EVO 1 / 2 / 3 INCLUDE :**

Part No.	Cams	Followers	Hydraulic Adjusters	Valve Springs	Spring Seats	Stem Seals	Spring Caps	Spray Bar	Ball Studs	Timing Belt	Vernier Pulley	Timing Disc & Lube	Price €
KBMITS1270	X			X			X				X	X	1750 Blank
KBMITS1285	X			X			X				X	X	1750 Blank
KBMITS1300	X			X			X				X	X	1750 Blank

# CAMSHAFTS MITSUBISHI EVO 4 / 5 / 6 / 7 / 8

**PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1.724:1

Part No.	Application		Duration @ 1mm		Duration		Valve Lift		Timing	Full Lift		Lift @ TDC with clearance		Valve Clearance	Price €
			Inl	Exh	Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl	Exh		
MITSBP270	<b>FAST ROAD</b>	Extra high lift profile. <b>Only</b> Piper valve springs (Part no VSSMITS) must be used.	210 deg	204 deg	264 deg	260 deg	.433" 11.00mm	.394" 10.00mm	24 - 60 57 - 23	108 deg	107 deg	N/A	N/A	HYDRAULIC	1117 Blank
MITSBP285	<b>ULTIMATE ROAD</b>	Extra high lift profile. <b>Only</b> Piper valve springs (Part no VSSMITS) must be used.	217 deg	211 deg	265 deg	265 deg	.453" 11.50mm	.425" 10.80mm	24.5 - 60.5 60.5 - 24.5	108 deg	107 deg	N/A	N/A	HYDRAULIC	1117 Blank
MITSBP300	<b>RALLY</b>	Extra high lift profile. <b>Only</b> Piper valve springs (Part no VSSMITS) must be used.	217 deg	217 deg	265 deg	265 deg	.453" 11.50mm	.453" 11.50mm	24.5 - 60.5 60.5 - 24.5	108 deg	107 deg	N/A	N/A	HYDRAULIC	1117 Blank
MITSBP320	<b>RACE</b>	Extra high lift profile. <b>Only</b> Piper valve springs (Part no VSSMITS) must be used.	224 deg	224 deg	272 deg	272 deg	.472" 12.00mm	.472" 12.00mm	28 - 64 63 - 29	108 deg	107 deg	N/A	N/A	HYDRAULIC	1117 Blank
MITSGPA	<b>GROUP A</b>	Extra high lift profile. <b>Only</b> Piper valve springs (Part no VSSMITS) must be used.	217 deg	212 deg	265 deg	267 deg	.453" 11.50mm	.378" 9.60mm	26.5 - 58.5 63 - 29	106 deg	108 deg	N/A	N/A	HYDRAULIC	1117 Blank

## MECHANICAL PROFILES DESIGNED FOR COMPETITION APPLICATIONS ONLY

MITS1744	<b>RACE</b>	MECHANICAL - Extra high lift profile: <b>Only</b> Piper valve springs (Part no VSSMITS) must be used	230 deg	230 deg	270 deg	270 deg	.453" 11.50mm	.453" 11.50mm	29 - 61 61 - 29	106 deg	106 deg	N/A	N/A	.006" / .15mm .006" / .15mm	1117 Blank
MITS1743	<b>RACE</b>	MECHANICAL - Extra high lift profile: <b>Only</b> Piper valve springs (Part no VSSMITS) must be used	236 deg	236 deg	274 deg	274 deg	.453" 11.50mm	.453" 11.50mm	31 - 63 63 - 31	106 deg	106 deg	N/A	N/A	.006" / .15mm .006" / .15mm	1117 Blank
MITS1742	<b>RACE</b>	MECHANICAL - Extra high lift profile: <b>Only</b> Piper valve springs (Part no VSSMITS) must be used	232 deg	232 deg	274 deg	274 deg	.472" 12.00mm	.472" 12.00mm	31 - 63 63 - 31	106 deg	106 deg	N/A	N/A	.006" / .15mm .006" / .15mm	1117 Blank
MITS1741	<b>DRAG RACE</b>	MECHANICAL - Extra high lift profile: <b>Only</b> Piper valve springs (Part no VSSMITS) must be used	242 deg	242 deg	290 deg	290 deg	.472" 12.00mm	.472" 12.00mm	39 - 71 71 - 39	106 deg	106 deg	N/A	N/A	.006" / .15mm .006" / .15mm	1117 Blank

## CAM KITS MITSUBISHI EVO 4 / 5 / 6 / 7 INCLUDE :

Part No.	Cams	Followers	Hydraulic Adjusters	Valve Springs	Spring Seats	Stem Seals	Spring Caps	Spray Bar	Ball Studs	Timing Belt	Vernier Pulley	Timing Disc & Lube	Price €
KBMITS270	<b>X</b>			<b>X</b>			<b>X</b>				<b>X</b>	<b>X</b>	1750 Blank
KBMITS285	<b>X</b>			<b>X</b>			<b>X</b>				<b>X</b>	<b>X</b>	1750 Blank
KBMITS300	<b>X</b>			<b>X</b>			<b>X</b>				<b>X</b>	<b>X</b>	1750 Blank
KBMITS320	<b>X</b>			<b>X</b>			<b>X</b>				<b>X</b>	<b>X</b>	1750 Blank

## MITSUBISHI EVO 8 INCLUDE :

KBMITS8270	<b>X</b>			<b>X</b>			<b>X</b>				<b>X</b>	<b>X</b>	1750 Blank
KBMITS8285	<b>X</b>			<b>X</b>			<b>X</b>				<b>X</b>	<b>X</b>	1750 Blank
KBMITS8300	<b>X</b>			<b>X</b>			<b>X</b>				<b>X</b>	<b>X</b>	1750 Blank
KBMITS8320	<b>X</b>			<b>X</b>			<b>X</b>				<b>X</b>	<b>X</b>	1750 Blank

### ADDITIONAL COMPONENTS FOR ABOVE ENGINES:

VSSMITS - Mitsubishi Evo single valve spring and caps set 348 €

VSSMITS8 - Mitsubishi Evo 8 single valve spring & cap set 348 €

SC21 - Mitsubishi Evo steel valve spring retainer set 121 €

SC31 - Mitsubishi Evo 8 steel valve spring retainer set 121 €

SC21T - Mitsubishi Evo Titanium valve spring retainer set 545 €

SC31T - Mitsubishi Evo 8 Titanium valve spring retainer set 545 €

PULDMITS - Mitsubishi Evo alloy vernier pulleys 375 €

TBP34 - Mitsubishi Evo performance cam belt 69 €

**\*\* NOTE :** Fits 4/5/6 ONLY

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**CAMSHAFTS NISSAN ALMERA / PRIMERA 16v (NON ROLLER ROCKER ENGINES)****PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1.59:1

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC with clearance		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl	Exh		
NISBP270	<b>FAST ROAD</b>	1500-6800	12 BHP	262 deg	262 deg	.418" 10.62mm	.418" 10.62mm	21 - 61 61 - 21	110 deg	110 deg	N/A	N/A	HYDRAULIC	849 Blank
NISBP285	<b>ULTIMATE ROAD</b> <small>Not recommended for use with std injection</small>	2500-7500	20 BHP	268 deg	268 deg	.437" 11.10mm	.437" 11.1mm	24 - 64 64 - 24	110 deg	110 deg	N/A	N/A	HYDRAULIC	849 Blank

**NISSAN ALMERA / PRIMERA 16v (ROLLER ROCKER ENGINES)**

Valve lifts quoted assume a rocker ratio of 1.59:1

NISBP270R	<b>FAST ROAD</b>	1500-6800	12 BHP	258 deg	248 deg	.413" 10.49mm	.413" 10.49mm	19 - 59 54 - 14	110 deg	110 deg	N/A	N/A	HYDRAULIC	849 Blank
NISBP285R	<b>ULTIMATE ROAD</b> <small>Not recommended for use with std injection</small>	2500-7500	20 BHP	270 deg	270 deg	.457" 11.61mm	.457" 11.61mm	25 - 65 65 - 25	110 deg	110 deg	N/A	N/A	HYDRAULIC	849 Blank

**NISSAN MICRA 1.3 16v**

Valve lifts quoted assume a rocker ratio of 1:1

NISMICBP270	<b>FAST ROAD</b>	1500-6800	8 BHP	248 deg	248 deg	.345" 8.77mm	.343" 8.72mm	14 - 54 54 - 14	110 deg	110 deg	.027" 0.68mm	.025" 0.63mm	.010" / .25mm .012" / .30mm	314 repro
NISMICBP285	<b>ULTIMATE ROAD</b>	2500-7500	12 BHP	272 deg	272 deg	.357" 9.07mm	.355" 9.02mm	30 - 62 62 - 30	106 deg	106 deg	.071" 1.80mm	.069" 1.75mm	.010" / .25mm .012" / .30mm	314 Repro

**NISSAN SUNNY / PULSAR GTI R**

Valve lifts quoted assume a rocker ratio of 1.59:1

NGTIRBP270	<b>FAST ROAD</b>	2000-7200	15 BHP	260 deg	260 deg	.438" 11.13mm	.438" 11.13mm	20 - 60 60 - 20	110 deg	110 deg	N/A	N/A	.010" / .25mm .012" / .30mm	849 Blank
NGTIRBP285	<b>ULTIMATE ROAD</b>	2600-7800	20 BHP+	278 deg	278 deg	.436" 11.13mm	.434" 11.13mm	33 - 65 65 - 33	106 deg	106 deg	N/A	N/A	.008" / .20mm .010" / .25mm	849 Blank

**NISSAN SKYLINE R32 GTR**

Valve lifts quoted assume a rocker ratio of 1:1

NSKYBP270H	<b>FAST ROAD</b>	1800-7000	20 BHP+	256 deg	256 deg	.325" 8.26mm	.325" 8.26mm	18 - 58 58 - 18	110 deg	110 deg	.028" 0.70mm	.028" 0.70mm	HYDRAULIC	508 Repro
NSKYBP285M	<b>ULTIMATE ROAD</b>	2300-7600	30 BHP+	264deg	264deg	.344" 8.73mm	.342" 8.68mm	24 - 60 60 - 24	108 deg	108 deg	.058" 1.48mm	.056" 1.43mm	.008" / .20mm .010" / .25mm	508 Repro

# CAMSHAFTS PEUGEOT 205 1360cc 'ALLOY BLOCK'

**PIPER CAMS**

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

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC with clearance		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl	Exh		
P13BP270	FAST ROAD	2000-6500	10 BHP	268 deg	268 deg	.340" 8.64mm	.340" 8.64mm	25 - 63 63 - 25	109 deg	N/A	N/A	.010" / .25mm .010" / .25mm	495 Blank	
P13BP285	ULTIMATE ROAD	2500-7000	14 BHP	284 deg	284 deg	.380" 9.65mm	.380" 9.65mm	35 - 69 69 - 35	107 deg	N/A	N/A	.014" / .35mm .014" / .35mm	495 Blank	
P13BP300	RALLY	3000-7500		300 deg	300 deg	.400" 10.16mm	.400" 10.16mm	45 - 75 75 - 45	105 deg	N/A	N/A	.010" / .25mm .010" / .25mm	495 Blank	
P13BP320	RACE	4000-8000		310 deg	310 deg	.410" 10.42mm	.410" 10.42mm	50 - 80 80 - 50	105 deg	N/A	N/A	.010" / .25mm .010" / .25mm	495 Blank	
P13660	1400 STOCK ROD	3500-8000		306 deg	306 deg	.380" 9.65mm	.380" 9.65mm	49 - 77 77 - 49	104 deg	N/A	N/A	.008" / .20mm .010" / .25mm	495 Blank	
P13GPA1	GROUP A RACE	2500-7000		304 deg	304 deg	.410" 10.42mm	.410" 10.42mm	48 - 76 76 - 48	104 deg	N/A	N/A	.010" / .25mm .010" / .25mm	495 Blank	

## PEUGEOT 106 / 306 8v 'IRON BLOCK'

Valve lifts quoted assume a rocker ratio of 1.4:1

No.1 Journal size: 1.738" / 44.15mm

For grey rocker cover engines (Roller Rocker Type) - see Saxo VTR

Part No.	Application	Power Band	Power Increase	Duration	Valve Lift	Timing	Full Lift	Lift @ TDC	Valve Clearance	Price €
P14BP270	FAST ROAD	1500-6500	10 BHP	260 deg 260 deg	.350" 8.89mm	21 - 59 59 - 21	109 deg	N/A N/A	.008" / .20mm .010" / .25mm	495 Blank
P14BP270RAL	FAST ROAD	2000-7000	12 BHP	284 deg 284 deg	.395" 10.03mm	34 - 70 70 - 34	108 deg	N/A N/A	.011" / .28mm .013" / .33mm	495 Blank
P14BP285	ULTIMATE ROAD	2500-7000	14 BHP	284 deg 284 deg	.380" 9.65mm	35 - 69 69 - 35	107 deg	N/A N/A	.014" / .35mm .014" / .35mm	495 Blank
P14BP300	RALLY	3000-7500		300 deg 300 deg	.400" 10.16mm	45 - 75 75 - 45	105 deg	N/A N/A	.010" / .25mm .010" / .25mm	495 Blank
P14BP320	RACE	4000-8000		310 deg 310 deg	.410" 10.42mm	50 - 80 80 - 50	105 deg	N/A N/A	.010" / .25mm .010" / .25mm	495 Blank

## CAM KITS

### PEUGEOT 1360cc (ALLOY BLOCK) INCLUDE:

Part No.	Cams	Followers	Hydraulic Adjusters	Valve Springs	Spring Seats	Stem Seals	Spring Caps	Spray Bar	Ball Studs	Timing Belt	Vernier Pulley	Timing Disc & Lube	Price €
KBP13270	X	X										X	798 Blank
KBP13285	X	X										X	798 Blank
KBP13300	X	X		X								X	883 Blank
KBP13320	X	X		X								X	883 Blank
KBP13GPA1	X	X		X								X	883 Blank

### PEUGEOT 106 / 306 8v (IRON BLOCK) INCLUDE:

KBP14270	X	X										X	798 Blank
KBP14285	X	X										X	798 Blank

#### ADDITIONAL COMPONENTS FOR ABOVE ENGINES:

VSSP13 - Peugeot 1360 single valve springs 85 €  
 FOLP13 - Peugeot 1360 cam followers 303 €  
 PULD205 - Peugeot 1360 alloy vernier pulley 210 €

TBP11 - Peugeot 205 1360 competition cam belt 45 €  
 TBP12 - Peugeot Xsi 1.4 & 306 1.6 competition cam belt 45 €

**CAMSHAFTS PEUGEOT 205 / 309 GTI 1600 / 1900****PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1:1

**NOTE:** Our cams have both the thrust groove & thrust shoulders, we recommend the shoulder type only for competition applications.

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	with clearance	Inl		
P16BP270	<b>FAST ROAD</b> Skim .028" from head & fit this cam to produce 120bhp @ the wheels instantly	2000-6500	20 BHP	272 deg	272 deg	.462" 11.73mm	.460" 11.68mm	28 - 64 64 - 28	108 deg		.062" 1.57mm	.060" 1.52mm	.008" / .20mm .010" / .25mm	495 Blank
P16BP285	<b>ULTIMATE ROAD</b> Not recommended for use with std injection. Phenominal power when used with 2 x 45 dcoe's	2500-7000	30 BHP	284 deg	284 deg	.462" 11.73mm	.460" 11.68mm	36 - 68 68 - 36	106 deg		.109" 2.77mm	.107" 2.72mm	.008" / .20mm .010" / .25mm	495 Blank
P16BP300	<b>RALLY</b>	2800-7500		304 deg	304 deg	.480" 12.19mm	.480" 12.19mm	46 - 78 78 - 46	106 deg		.175" 4.45mm	.173" 4.39mm	.008" / .20mm .010" / .25mm	495 Blank
P16BP320	<b>RACE</b> 1600 Race camshaft	4000-8500		308 deg	308 deg	.528" 13.41mm	.526" 13.36mm	50 - 78 78 - 50	104 deg		.190" 4.83mm	.188" 4.78mm	.011" / .28mm .013" / .32mm	495 Blank
P16GPA2	<b>GROUP A RALLY</b>	3000-7600		308 deg	308 deg	.480" 12.45mm	.490" 12.45mm	50 - 78 78 - 50	104 deg		.186" 4.72mm	.184" 4.67mm	.008" / .20mm .010" / .25mm	495 Blank
P16727	<b>HOT HATCH RACE</b> Championship winning power. When std plenum chamber must be used	3000-7500		292 deg	292 deg	.512" 13.00mm	.512" 13.00mm	42 - 70 70 - 42	104 deg		.179" 4.54mm	.177" 4.49mm	.010" / .25mm .012" / .30mm	495 Blank
P16528	<b>HOT ROD RACE</b> The ultimate power in 1900 engines	4000-8500		328 deg	328 deg	.552" 14.02mm	.552" 14.02mm	62 - 86 90 - 58	102 deg		.227" 5.76mm	.225" 5.71mm	.010" / .25mm .012" / .30mm	495 Blank

**PEUGEOT 106 GTI 1.6 16v - SEE CITREON SAXO VTS 1.6 16v****PEUGEOT MI16 16v**

Valve lifts quoted assume a rocker ratio of 1:1

P16VBP270	<b>FAST ROAD</b>	1500-6500	10 BHP	264 deg	264 deg	.390" 9.91mm	.390" 9.91mm	22 - 62 62 - 22	110 deg	110 deg	.049" 1.24mm	.049" 1.24mm	HYDRAULIC	314 Repro 1011 Blank
P16VBP285	<b>ULTIMATE ROAD</b> Piper valve springs (Part no VD5SMI16) must be used	2500-7500		280 deg	280 deg	.435" 11.05mm	.435" 11.05mm	34 - 66 68 - 32	106 deg	108 deg	.108" 2.75mm	.096" 2.44mm	.010" / .25mm .012" / .30mm	1011 Blank
P16VBP300	<b>RALLY</b> Piper valve springs (Part no VD5SMI16) must be used	3000-8000		290 deg	290 deg	.455" 11.57mm	.455" 11.57mm	39 - 71 71 - 39	106 deg	106 deg	.140" 3.61mm	.142" 3.56mm	.010" / .25mm .010" / .25mm	1011 Blank
P16VBP320	<b>RACE</b> Piper valve springs (Part no VD5SMI16) must be used	4000-8500		300 deg	300 deg	.480" 12.19mm	.480" 12.19mm	46 - 74 76 - 44	104 deg	106 deg	.192" 4.88mm	.180" 4.58mm	.008" / .20mm .010" / .25mm	1011 Blank
P16VGPA	<b>GROUP A RALLY</b> Piper valve springs (Part no VD5SMI16) must be used	2800-7800		282 deg	282 deg	.448" 11.38mm	.419" 10.60mm	35 - 67 67 - 35	106 deg	106 deg	.144" 3.66mm	.110" 2.80mm	.008" / .20mm .010" / .25mm	1011 Blank

**CAM KITS****PEUGEOT 205 / 309 GTI 1600 / 1900 INCLUDE:**

Part No.	Cams	Followers	Hydraulic Adjusters	Valve Springs	Spring Seats	Stem Seals	Spring Caps	Spray Bar	Ball Studs	Timing Belt	Vernier Pulley	Timing Disc & Lube	Price €
KBP16270	X	X										X	732 Blank
KBP16285	X	X										X	732 Blank

**PEUGEOT MI16 16v INCLUDE:**

KBP16V270	X	X										X	825 Repro 1436 Blank
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**ADDITIONAL COMPONENTS FOR ABOVE ENGINES:**

TBP13 - Peugeot Gti 1.6/1.9 >92 competition cam belt 45 €  
TBP14 - Peugeot Gti 1.6/1.9 92-on competition cam belt 45 €

VDSP16 - Peugeot 1.6/1.9 Race double springs 306 €  
PULD205 - Peugeot alloy vernier pulley 210 €  
FOLP16 - Peugeot 1.6/1.9 cam followers 274 €  
PULDMI16 - Peugeot MI16 vernier pulleys 338 €

TBP15 - Peugeot 1.9 MI16 competition cam belt 69 €  
FOLMI16M - Peugeot 1.9 / 2.0 MI16 / S16 comp.solid cam followers 785 €  
FOLMI16H - Peugeot 1.9 / 2.0 MI16 / S16 hydraulic cam followers 455 €  
VD5SMI16 - Peugeot MI16 double valve spring kit 459 €

# CAMSHAFTS PEUGEOT 306 S16 16v

**PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1:1

Many other profiles are available. Ask for details

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	with clearance Inl	Exh		
S16BP270	FAST ROAD	1500-6500	10 BHP	264 deg	264 deg	.390" 9.91mm	.390" 9.91mm	22 - 62 62 - 22	110 deg	110 deg	.049" 1.24mm	.049" 1.24mm	HYDRAULIC	314 Repro 1011 Blank
S16BP285	ULTIMATE ROAD <small>Piper valve springs (Part no VD5MI16) must be used</small>	2500-7500		280 deg	280 deg	.435" 11.05mm	.435" 11.05mm	34 - 66 68 - 32	106 deg	108 deg	.108" 2.75mm	.096" 2.44mm	.010" / .25mm .012" / .30mm	1011 Blank
S16BP300	RALLY <small>Piper valve springs (Part no VD5MI16) must be used</small>	3000-8000		290 deg	290 deg	.455" 11.57mm	.455" 11.57mm	39 - 71 71 - 39	106 deg	106 deg	.140" 3.61mm	.142" 3.56mm	.010" / .25mm	1011 Blank
S16BP320	RACE <small>Piper valve springs (Part no VD5MI16) must be used</small>	4000-8500		300 deg	300 deg	.480" 12.19mm	.480" 12.19mm	46 - 74 76 - 44	104 deg	106 deg	.192" 4.88mm	.180" 4.58mm	.008" / .20mm .010" / .25mm	1011 Blank

## PEUGEOT 306 XSI 2.0 8v

Valve lifts quoted assume a rocker ratio of 1:1

PXSIBP270	FAST ROAD	1500-6500	8 BHP	252 deg	256 deg	.425" 10.80mm	.434" 11.02mm	16 - 56 58 - 18	110 deg	110 deg	.044" 1.12mm	.054" 1.36mm	.015" / .38mm .017" / .43mm	513 Blank
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## PEUGEOT 306 GTI 6 16v

Valve lifts quoted assume a rocker ratio of 1:1

GTI6BP270H	FAST ROAD	1500-6500	10 BHP	256 deg	256 deg	.417" 10.59mm	.417" 10.59mm	18 - 58 58 - 18	110 deg	110 deg	.043" 1.09mm	.043" 1.09mm	HYDRAULIC	314 Repro 798 Blank
GTI6BP285H	ULTIMATE ROAD <small>Piper valve springs (Part No VD5P306 + SC14) must be used</small>	2000-7500		264 deg	264 deg	.428" 10.87mm	.428" 10.87mm	24 - 60 62 - 22	108 deg	110 deg	.072" 1.82mm	.063" 1.60mm	HYDRAULIC	798 Blank
GTI6BP285	ULTIMATE ROAD <small>Piper valve springs (Part No VD5P306 + SC14) must be used</small>	2500-7800		280 deg	280 deg	.435" 11.05mm	.435" 11.05mm	34 - 66 68 - 32	106 deg	108 deg	.107" 2.72mm	.095" 2.41mm	.010" / .25mm .012" / .30mm	798 Blank
GTI6BP300	RALLY <small>Piper valve springs (Part No VD5P306 + SC14) must be used</small>	3000-8000		290 deg	290 deg	.455" 11.57mm	.455" 11.57mm	39 - 71 71 - 39	106 deg	106 deg	.140" 3.56mm	.138" 3.51mm	.010" / .25mm .010" / .25mm	798 Blank
GTI6BP320	RACE <small>Piper valve springs (Part No VD5P306 + SC14) must be used</small>	4500-8500		300 deg	300 deg	.480" 12.19mm	.480" 12.19mm	46 - 74 76 - 44	104 deg	106 deg	.182" 4.62mm	.180" 4.57mm	.008" / .20mm .010" / .25mm	798 Blank

## PEUGEOT 306 TURBO DIESEL

Valve lift quoted assumes a rocker ratio of 1:1

PEUGTDBP270	FAST ROAD	1500-6500	15 BHP	236 deg	244 deg	.350" 8.90mm	.365" 9.26mm	6 - 50 54 - 10	112 deg		.022" 0.56mm	.027" 0.68mm	.016" / .40mm .019" / .47mm	513 Blank
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## CAM KITS PEUGEOT 306 S16 16v INCLUDE:

Part No.	Cams	Followers	Hydraulic Adjusters	Valve Springs	Spring Seats	Stem Seals	Spring Caps	Spray Bar	Ball Studs	Timing Belt	Vernier Pulley	Timing Disc & Lube	Price €
KBS16270	X	X										X	824 Repro 1436 Blank

## PEUGEOT 306 GTI 6 16v INCLUDE:

KBPGTI6270	X	X										X	824 Repro 1242 Blank
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**ADDITIONAL COMPONENTS FOR ABOVE ENGINES:**

PULD5SI - Peugeot 2.0 8v vernier pulley 210 €

FOLGTI6H - 306 GTI6 hydraulic cam followers 455 €

TBP14 - Peugeot 2.0 8v XSi cam belt 45 €

SC14 - 306 GTI6 steel valve spring retainers 121 €

FOLGTI6M - 306 GTI6 comp.solid cam followers 785 €

TBP28 - Peugeot S16 '96-on / GTI 6 competition cam belt 69 €

TBP28 - Peugeot S16 '96-on / GTI 6 competition cam belt 69 €

VD5MI16 - Peugeot MI16 double valve spring kit 459 €

VD5P306 - 306 GTI6 double valve springs kit 419 €

PULDGTI6 - Pr 306 GTI6 vernier pulleys 338 € (**Note:**For competition use)

**CAMSHAFTS PEUGEOT 206 2.0 16v GTI****PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1:1

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC with clearance		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl	Exh		
GTI2BP270	<b>FAST ROAD</b> Inlet cam only	1500-6500	15 BHP	260 deg	N/A	.380" 9.65mm	N/A	22 - 58	108 deg	N/A	.068" 1.72mm	N/A	HYDRAULIC	186 Repr 404 Blank
GTI2BP285	<b>ULTIMATE ROAD</b> Not recommended for use with std injection. Piper valve springs (Part No VSSP206) must be used	2000-7500		274 deg	274 deg	.430" 10.92mm	.430" 10.93mm	31 - 63 63 - 31	106 deg	106 deg	.098" 2.49mm	.098" 2.49mm	HYDRAULIC	798 Blank
GTI2BP300	<b>RALLY</b> Not recommended for use with std injection. Piper valve springs (Part No VSSP206) must be used	3000-8000		296 deg	288 deg	.459" 11.66mm	.419" 10.65mm	42 - 74 70 - 38	106 deg	106 deg	.136" 3.45mm	.108" 2.74mm	.010" / .25mm .012" / .30mm	798 Blank
GTI2BP320	<b>RACE</b> Not recommended for use with std injection. Piper valve springs (Part No VSSP206) must be used	4000-9000		300 deg	296 deg	.472" 11.99mm	.460" 11.68mm	48 - 72 72 - 44	102 deg	104 deg	.161" 4.09mm	.143" 3.63mm	.008" / .20mm .010" / .25mm	798 Blank

**PEUGEOT 206 2.0 HDI**

Valve lift quoted assumes a rocker ration of 1.7:1

PHDIBP270	<b>FAST ROAD</b>	1500-6500	8 BHP	258 deg	256 deg	.365" 9.25mm	.383" 9.73mm	19 - 59 58 - 18	110 deg	110 deg	N/A	N/A	HYDRAULIC	186 Repr
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**PORSCHE 924**

Valve lifts quoted assume a rocker ratio of 1:1

PORBP270	<b>FAST ROAD</b>	1500-6200	8 BHP	278 deg	278 deg	.462" 11.72mm	.460" 11.67mm	29 - 69 69 - 29	110 deg		.088" 2.24mm	.060" 1.52mm	.008" / .20mm .010" / .25mm	521 Blank
PORBP285	<b>ULTIMATE ROAD</b>	2000-7000	12 BHP	284 deg	284 deg	.462" 11.72mm	.460" 11.67mm	34 - 70 70 - 34	108 deg		.100" 2.54mm	.098" 2.49mm	.008" / .20mm .010" / .25mm	521 Blank

**CAM KITS PEUGEOT 206 2.0 16v GTI INCLUDE:**

Part No.	Cams	Followers	Hydraulic Adjusters	Valve Springs	Spring Seats	Stem Seals	Spring Caps	Spray Bar	Ball Studs	Timing Belt	Vernier Pulley	Timing Disc & Lube	Price €
KBPGTI2270	<b>X</b>	<b>X</b>										<b>X</b>	798 Blank

**ADDITIONAL COMPONENTS FOR ABOVE ENGINES:**

FOLP206M - 206 GTI solid follower set 785 €

VSSP206 - Peugeot 206 GTI single valve spring set 306 €

SC27 - 206 GTI steel valve spring retainer 121 €

SC28 - 206 GTI steel valve spring retainer (Solid follower) 121 €

PULDPOR - Porsche 924 alloy vernier pulley 210 €

PULD206 - Pr 206 GTI vernier pulleys 338 €

# CAMSHAFTS RENAULT 5 TURBO

**PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1.5:1

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC with clearance		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl	Exh		
R5TBP270	<b>FAST ROAD</b>	2000-6000	15 BHP	260 deg	260 deg	.342" 8.68mm	.342" 8.68mm	20 - 60 60 - 20	110 deg		.026" 0.66mm	.024" 0.60mm	.010" / .25mm .012" / .30mm	226 Repro 372 Blank
R5TBP285	<b>ULTIMATE ROAD</b> <small>Piper valve springs Part no.VSSR5 must be used</small>	2500-6500	20 BHP	270 deg	270 deg	.392" 9.95mm	.390" 9.90mm	23 - 67 67 - 23	112 deg		.037" 0.94mm	.035" 0.89mm	.010" / .25mm .012" / .30mm	372 Blank
R5TBP300	<b>RALLY</b> <small>Piper valve springs Part no.VSSR5 must be used</small>	2500-6500	20 BHP	276 deg	276 deg	.362" 9.19mm	.360" 9.14mm	26 - 70 71 - 25	112 deg		.068" 1.73mm	.062" 1.57mm	.010" / .25mm	372 Blank

## RENAULT CLIO 1.8 16v & WILLIAMS 2.0 16v

Valve lifts quoted assume a rocker ratio of 1:1

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing		Lift @ TDC		Valve Clearance	Price €	
R16VBP270H	<b>FAST ROAD</b> <small>Vernier pulleys recommended</small>	1800-6800	12 BHP	264 deg	256 deg	.390" 9.90mm	.362" 9.20mm	22 - 62 58 - 18	110 deg	110 deg	.050" 1.27mm	.034" 0.86mm	HYDRAULIC	314 Repro 798 Blank
RW16VBP270H	<b>WILLIAMS FAST ROAD</b> <small>Vernier pulleys recommended</small>	1800-6800	12 BHP	264 deg	256 deg	.407" 10.34mm	.390" 9.90mm	22 - 62 58 - 18	110 deg	110 deg	.076" 1.93mm	.058" 1.47mm	HYDRAULIC	314 Repro 798 Blank
R16VBP285H	<b>ULTIMATE ROAD</b> <small>Vernier pulleys recommended</small>	2500-7300	18 BHP	276 deg	276 deg	.428" 10.87mm	.428" 10.87mm	32 - 64 64 - 32	106 deg	106 deg	.086" 2.18mm	.086" 2.18mm	HYDRAULIC	798 Blank
R16VBP285M	<b>ULTIMATE ROAD</b> <small>Mechanical</small>	2800-7800		280 deg	280 deg	.435" 11.05mm	.435" 11.05mm	34 - 66 68 - 32	106 deg	108 deg	.108" 2.74mm	.095" 2.41mm	.010" / .25mm .012" / .30mm	798 Blank
R16VBP300M	<b>RALLY</b> <small>Mechanical</small>	3000-8000		290 deg	290 deg	.455" 11.57mm	.455" 11.57mm	39 - 71 71 - 39	106 deg	106 deg	.140" 3.56mm	.138" 3.51mm	.010" / .25mm .010" / .25mm	798 Blank
R16VBP320M	<b>RACE</b> <small>Mechanical</small>	4000-8300		300 deg	300 deg	.480" 12.19mm	.480" 12.19mm	46 - 74 76 - 44	104 deg	106 deg	.192" 4.88mm	.180" 4.57mm	.008" / .20mm .010" / .25mm	798 Blank

## RENAULT CLIO 2.0 16v 172 / 182 / CUP

Valve lifts quoted assume a rocker ration of 1.72:1

R172BP270	<b>FAST ROAD</b>	1800-7000	10 BHP	278 deg	270 deg	.405" 10.28mm	.373" 9.47mm	29 - 69 65 - 25	110 deg	110 deg	N/A	N/A	HYDRAULIC	535 Repro
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## CAM KITS

### RENAULT 5 TURBO INCLUDE:

Part No.	Cams	Followers	Hydraulic Adjusters	Valve Springs	Spring Seats	Stem Seals	Spring Caps	Spray Bar	Ball Studs	Timing Belt	Vernier Pulley	Timing Disc & Lube	Price €
KBR5T270	X			X							X	X	638 Blank
KBR5T285	X			X							X	X	638 Blank

### RENAULT CLIO / 19 16v & WILLIAMS 2.0 16v INLCUDE:

KBR16V270H	X	X										X	825 Repro 1463 Blank
KBRW16V270H	X	X										X	825 Repro 1463 Blank
KBR16V285H	X	X										X	1463 Blank

#### ADDITIONAL COMPONENTS FOR ABOVE ENGINES:

KBR16V270S - Clío 16v cam/chip kit from 1229 €

FOLCLIOH - Clío 16v hydraulic cam followers 455 €  
 FOLCLIOM - Clío 16v comp.solid cam followers 785 €  
 PULDCLIO - Pr clío 16v alloy vernier pulleys 348 €

TBP16 - Clío 16v competition cam belt 69 €  
 VSSR5 - Renault 5 turbo single valve springs 85 €  
 PULSR5 - Renault 5 turbo vernier pulley 189 €

# CAMSHAFTS ROVER A SERIES MINI / METRO / MIDGET

## PIPER CAMS

Prefix part number with type of oil pump drive. PD pin drive, SCD star drive, MET for metro  
All billet camshafts have drilled lobes for additional lubrication

Valve lifts quoted assume a rocker ratio of 1.28:1

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	with clearance Inl	Exh		
BP255	<b>MILD ROAD / TURBO</b> Excellent all round cam for all engines sizes. Excellent torque, smooth idle	1000-6000	8 BHP	264 deg	264 deg	.360" 9.14mm	.360" 9.14mm	24 - 60 60 - 24	108 deg		.042" 1.07mm	.042" 1.07mm	.012" / .30mm .012" / .30mm	144 Repro 375 Billet
BP270	<b>FAST ROAD</b> Carb' cam for use in all engine sizes. Smooth idle. No machining required	1500-6500	10 BHP	276 deg	276 deg	.385" 9.78mm	.385" 9.78mm	31 - 65 65 - 31	107 deg		.082" 2.08mm	.080" 2.03mm	.012" / .30mm .012" / .30mm	144 Repro £375 Billet
BP270i	<b>FAST ROAD</b> Single Point Injection cam. Excellent torque and very good idle	1500-6500	8 BHP	252 deg	264 deg	.326" 8.28mm	.346" 8.76mm	16 - 56 62 - 22	110 deg		.038" 0.97mm	.042" 1.07mm	.016" / .40mm .016" / .40mm	144 Repro 375 Billet
BP270MPi	<b>FAST ROAD</b> Multipoint Injection cam. Excellent torque and very good idle	1500-6500	10 BHP	252 deg	264 deg	.350" 8.89mm	.346" 8.76mm	16 - 56 57 - 27	110 deg		.046" 1.17mm	.061" 1.55mm	.012" / .30mm .016" / .40mm	197 Repro
BP285	<b>ULTIMATE ROAD</b> For use in 1275 and larger engines massive improvements in mid range torque and power	2000-7000	14 BHP	280 deg	280 deg	.400" 10.16mm	.400" 10.16mm	33 - 67 67 - 33	107 deg		.088" 2.24mm	.088" 2.24mm	.012" / .30mm .012" / .30mm	144 Repro 375 Billet
BP300	<b>RALLY RACE</b> Torque and Power are what you need to win rallies. That is exactly what this cam gives	3000-8000		316 deg	316 deg	.390" 9.89mm	.390" 9.89mm	54 - 82 82 - 54	104 deg		.149" 3.78mm	.149" 3.78mm	.014" / .35mm .014" / .35mm	144 Repro 375 Billet
BP320	<b>RACE</b> The reputation of this cam is legendary. It gives over 150bhp in 1380 engines	4000-8500		320 deg	320 deg	.420" 10.67mm	.420" 10.67mm	57 - 83 83 - 57	103 deg		.159" 4.04mm	.159" 4.04mm	.012" / .30mm .012" / .30mm	144 Repro 375 Billet
649+	<b>RACE</b> The original 649 was an excellent cam, This derivative gives similar characteristics but more power	3000-7500		300 deg	312 deg	.400" 10.16mm	.420" 10.67mm	50 - 70 81 - 51	100 deg		.139" 3.53mm	.149" 3.78mm	.014" / .35mm .016" / .40mm	144 Repro 375 Billet
457	<b>BRISCA MINISTOCK</b>	3000-7500		276 deg	284 deg	.400" 10.16mm	.400" 10.16mm	32 - 64 68 - 36	106 deg		.103" 2.62mm	.093" 2.36mm	.010" / .25mm .012" / .30mm	144 Repro 375 Billet
466	<b>SPEDEWORTH MINISTOCK</b> For use with restrictor plate	3000-7000		272 deg	272 deg	.345" 8.76mm	.350" 8.89mm	32 - 60 65 - 27	104 deg		.065" 1.65mm	.050" 1.27mm	.012" / .30mm .012" / .30mm	144 Repro 375 Billet
2046	<b>SPEDEWORTH MINISTOCK</b> <i>NEW</i> For use with 17mm restrictor	3000-7000		256 deg	256 deg	.366" 9.30mm	.364" 9.25mm	24 - 52 52 - 24	104 deg		.066" 1.68mm	.064" 1.63mm	.012" / .30mm .014" / .35mm	144 Repro 375 Billet

Add type of oil pump drive required to kit code. ie. PD, SCD, or MET  
All profiles available with scatter lobe angles, add SCA after part number

## CAM KITS ROVER A SERIES MINI / METRO / MIDGET INCLUDE:

Part No.	Cams	Followers	Hydraulic Adjusters	Valve Springs	Spring Seats	Stem Seals	Spring Caps	Spray Bar	Ball Studs	Timing Belt	Vernier Pulley	Timing Disc & Lube	Price €
KB255	X	X		X								X	261 Repro 458 Billet
KB270	X	X		X								X	261 Repro 458 Billet
KBMET270i	X	X		X								X	261 Repro 458 Billet
KBMET270MPI	X	X		X								X	362 Repro
KB285	X	X		X								X	261 Repro 458 Billet
KB300	X	X		X								X	261 Repro 458 Billet
KB320	X	X		X								X	261 Repro 458 Billet
KB649+	X	X		X								X	261 Repro 458 Billet

### ADDITIONAL COMPONENTS FOR ABOVE ENGINES:

SC1 - A series steel spring retainer set 75 €

MINKEY - Offset key set 51 €

VDSMIN2 - Uprated double valve spring set 84 €

TCMIN - Duplex timing chain 39 €

VDSMINR - Race double valve spring set 144 €

PULSMIN - A Series vernier duplex kit 184 €

FOLMIN - A Series cam follower set 68 €

# CAMSHAFTS ROVER B SERIES MG A / MG B

**PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1.42:1

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

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl	Exh		
BBP255	MILD ROAD	1000-6000	8 BHP	270 deg	272 deg	.405" 10.29mm	.389" 9.88mm	27 - 63 64 - 28	108 deg	.072" 1.83mm	.059" 1.50mm	.012" / .30mm .014" / .35mm	144 Repro 375 Billet	
BBP270	FAST ROAD	1500-6500	12 BHP	276 deg	276 deg	.405" 10.29mm	.403" 10.23mm	31 - 65 65 - 31	107 deg	.085" 2.16mm	.075" 1.90mm	.014" / .35mm .016" / .40mm	144 Repro 375 Billet	
BBP285	ULTIMATE ROAD	2000-6750	18 BHP	278 deg	278 deg	.445" 11.30mm	.445" 11.30mm	32 - 66 66 - 32	107 deg	.097" 2.46mm	.097" 2.46mm	.014" / .35mm .014" / .35mm	144 Repro 375 Billet	
BBP300	RALLY	2500-7000		310 deg	310 deg	.460" 11.68mm	.458" 11.63mm	49 - 81 81 - 49	106 deg	.166" 4.22mm	.164" 4.17mm	.016" / .40mm .018" / .45mm	144 Repro 375 Billet	
BBP320	RACE	3000-7500		312 deg	312 deg	.465" 11.81mm	.465" 11.81mm	53 - 79 79 - 53	103 deg	.175" 4.45mm	.175" 4.45mm	.014" / .35mm .014" / .35mm	144 Repro 375 Billet	
B929	RACE	2500-7000	Standard lift long duration	300 deg	300 deg	.360" 9.13mm	.360" 9.13mm	44 - 76 76 - 44	106 deg	.119" 3.02mm	.133" 3.38mm	.014" / .35mm .016" / .40mm	144 Repro 375 Billet	
B851	ULTIMATE RACE	3500-7800	For use with MGC diameter followers only.	328 deg	328 deg	.536" 13.61mm	.534" 13.56mm	58 - 90 88 - 60	106 deg	.192" 4.88mm	.211" 5.36mm	.016" / .40mm .018" / .45mm	375 Billet	
B714	FAST ROAD	2000-6000		268 deg	268 deg	.358" 9.09mm	.358" 9.09mm	24 - 64 59 - 29	110 deg	.067" 1.70mm	.085" 2.16mm	.015" / .38mm .015" / .38mm	144 Repro 375 Billet	
B864	ULTIMATE ROAD	2500-6500		268 deg	268 deg	.358" 9.09mm	.358" 9.09mm	36 - 52 56 - 32	98 deg	.107" 2.72mm	.083" 2.11mm	.018" / .45mm .018" / .45mm	144 Repro 375 Billet	
B770	RALLY	3000-7000		300 deg	310 deg	.445" 11.30mm	.445" 11.30mm	50 - 70 75 - 55	100 deg	.153" 3.89mm	.129" 3.28mm	.018" / .45mm .018" / .45mm	144 Repro 375 Billet	
B862	RACE SPRINT	3500-7500		320 deg	300 deg	.445" 11.30mm	.445" 11.30mm	60 - 80 75 - 45	100 deg	.182" 4.72mm	.129" 3.28mm	.018" / .45mm .018" / .45mm	144 Repro 375 Billet	
B863	RACE SUPERSPRINT	4000-8000		320 deg	320 deg	.445" 11.30mm	.445" 11.30mm	60 - 80 80 - 60	100 deg	.182" 4.72mm	.182" 4.72mm	.018" / .45mm .018" / .45mm	144 Repro 375 Billet	

# CAM KITS ROVER B SERIES - MG A / MG B

Part No.	Cams	Followers	Hydraulic Adjusters	Valve Springs	Spring Seats	Stem Seals	Spring Caps	Spray Bar	Ball Studs	Timing Belt	Vernier Pulley	Timing Disc & Lube	Price €
KBB270	X	X		X								X	146 Repro 455 Billet
KBB285	X	X		X								X	146 Repro 455 Billet
KBB300	X	X		X								X	146 Repro 455 Billet
KBB320	X	X		X								X	146 Repro 455 Billet

**ADDITIONAL COMPONENTS FOR ABOVE ENGINES:**

MINKEY - Offset key set 51 €  
 SC2 - B series steel spring retainer set 75 €  
 VSSB - Uprated single valve spring set 74 €  
 VDSB2 - Uprated double valve spring set 84 €

PULSB - B series vernier duplex kit 184 €  
 FOLB - post 71 B series cam follower set 68 €  
 FOLB2 - Pre 71 B series cam follower set 116 €

# CAMSHAFTS ROVER K SERIES 16v

**PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1:1

Many other profiles are available. Ask for details

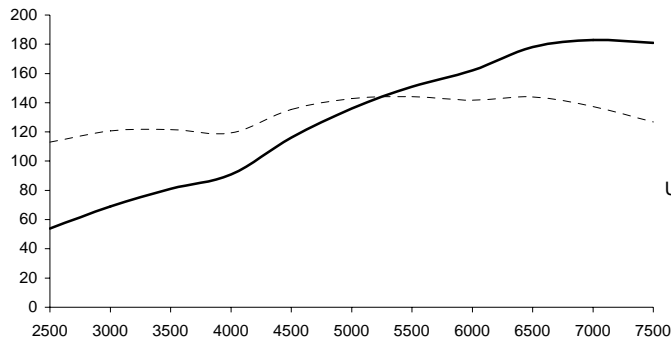
Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl with clearance	Exh		
ARKBP255H	<b>FAST ROAD</b> Designed for use in 1400 engine. Vernier pulleys advised.	2000-7000	10 BHP	248 deg	248 deg	.348" 8.84mm	.348" 8.84mm	14 - 54 54 - 14	110 deg	110 deg	.045" 1.14mm	.045" 1.14mm	HYDRAULIC	708 Blank
ARKBP270H	<b>FAST ROAD</b> Straight forward installation. Designed for 1600/1800 engine. Vernier pulleys advised.	2000-7000	16 BHP	260 deg	260 deg	.380" 9.65mm	.380" 9.65mm	20 - 60 64 - 16	110 deg	114 deg	.035" 0.89mm	.016" 0.41mm	HYDRAULIC	708 Blank
VVCBP270	<b>FAST ROAD</b> VVC exhaust camshaft	2000-7000		N/A	264 deg	N/A	.388" 9.86mm	62 - 22	N/A	110 deg	N/A	.050" 1.27mm	HYDRAULIC	207 Repro
ARKBP285H	<b>ULTIMATE ROAD</b> Not recommended for use with std injection.	2500-7500	20 BHP+	274 deg	274 deg	.433" 11.00mm	.433" 11.00mm	29 - 65 67 - 27	108 deg	110 deg	.088" 2.23mm	.078" 1.98mm	HYDRAULIC	708 Blank
ARKBP285M	<b>ULTIMATE ROAD</b> Not recommended for use with std injection. 1.8 capable of producing over 190bhp	2800-7800	20 BHP+	276 deg	276 deg	.440" 11.18mm	.438" 11.13mm	34 - 62 64 - 32	104 deg	106 deg	.110" 2.80mm	.098" 2.48mm	.008" / .20mm .010" / .25mm	708 Blank
ARKBP300M	<b>SPRINT / HILL CLIMB</b> Over 200bhp easily obtainable with tremendous torque.	3200-8000		280 deg	280 deg	.442" 11.23mm	.440" 11.18mm	34 - 66 70 - 30	104 deg	106 deg	.121" 3.08mm	.108" 2.75mm	.008" / .20mm .010" / .25mm	708 Blank
ARKBP320M	<b>RACE / SPRINT</b> Over 120 bhp/litre achievable.	4500-8500		290 deg	280 deg	.460" 11.68mm	.440" 11.18mm	39 - 71 71 - 39	106 deg	106 deg	.141" 3.58mm	.108" 2.75mm	.010" / .25mm .012" / .30mm	708 Blank
ARK1227	<b>SLR 500</b> Now a legendary profile in the k series tuning world	4500-8500		280 deg	280 deg	.462" 11.73mm	.460" 11.68mm	36 - 64 68 - 32	104 deg	108 deg	.140" 3.55mm	.117" 2.97mm	.008" / .20mm .010" / .25mm	708 Blank
ARK1444	<b>RACE / SPRINT</b> On Dave Walker's rollers this profile shows more torque & power over the 1227's!!!	4500-8500		276 deg	276 deg	.481" 12.22mm	.479" 12.17mm	34 - 62 66 - 30	104 deg	108 deg	.143" 3.63mm	.120" 3.05mm	.010" / .25mm .012" / .30mm	708 Blank

## CAM KITS ROVER K SERIES 16v INCLUDE:

Part No.	Cams	Followers	Hydraulic Adjusters	Valve Springs	Spring Seats	Stem Seals	Spring Caps	Spray Bar	Ball Studs	Timing Belt	Vernier Pulley	Timing Disc & Lube	Price €
KBARK270	X	X										X	1024 Blank
KBARK285	X	X		X								X	1271 Blank

## ROVER K SERIES 16v VVC TO NON-VVC CONVERSION KITS INCLUDE:

Part No.	Cams	Solid Followers	Shims	Single Valve Springs	Spring Seats	Double Valve Springs	Spring Caps	End Plates & Gaskets	Actuator Plate Cover	Timing Belt	Vernier Pulley	Timing Disc & Lube	Price €
KK1 HYD	X			X				X	X		X	X	1556 Blank
KK2 COMP	X	X	X			X	X	X	X		X	X	2580 Blank



**K SERIES 1.8 16V  
BP285H CAMS  
UNMODIFIED VVC HEAD  
THROTTLE BODIES  
184BHP @ 7200  
144LB/FT @ 5500**

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 210 bhp and 1800's are now nudging 250 bhp.

### ADDITIONAL COMPONENTS FOR ABOVE ENGINES:

- Chill cast VVC inlet cam any spec €
- TBP17 - K series wide competition cam belt 69 €
- FOLKH - K series hydraulic cam follower set 455 €
- FOLKM - K series solid cam follower & shim set 785 €
- PLATES - K series end/actuator cover plate gasket set 229 €
- ROTOR - K Series rotor arm attachment 40 €

- PULDK - Pair K series alloy vernier pulleys 338
- VDSK - Uprated double valve spring set 282 €
- VSSK - Uprated single valve spring set 205 €
- SC3 - Steel spring cap set to suit FOLKM 121 €
- SC19 - Steel spring cap set to suit FOLKH 121 €

# CAMSHAFTS ROVER K SERIES V6 2.5 KV6

**PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1:1

Many other profiles are available. Ask for details

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	with clearance Inl	Exh		
ARKV6BP255H	MILD ROAD	1200-6000	12 BHP	248 deg	248 deg	.348" 8.84mm	.348" 8.84mm	14 - 54 54 - 14	110 deg	110 deg	.045" 1.14mm	.045" 1.14mm	HYDRAULIC	1011 Blank
ARKV6BP270H	FAST ROAD	1500-6500	20 BHP	260 deg	260 deg	.380" 9.65mm	.380" 9.65mm	20 - 60 64 - 16	110 deg	114 deg	.035" 0.89mm	.016" 0.41mm	HYDRAULIC	1011 Blank
ARKV6BP285H	ULTIMATE ROAD	2200-7200	25 BHP	274 deg	274 deg	.433" 11.00mm	.433" 11.00mm	29 - 65 67 - 27	108 deg	110 deg	.088" 2.23mm	.078" 1.98mm	HYDRAULIC	1011 Blank
ARKV6BP285M	ULTIMATE ROAD			276 deg	276 deg	.440" 11.18mm	.438" 11.13mm	34 - 62 64 - 32	104 deg	106 deg	.110" 2.80mm	.098" 2.48mm	.008" / .20mm .010" / .25mm	1011 Blank
ARKV6BP300M	SPRINT / HILL CLIMB			280 deg	280 deg	.442" 11.23mm	.440" 11.18mm	34 - 66 70 - 30	104 deg	106 deg	.121" 3.08mm	.108" 2.75mm	.008" / .20mm .010" / .25mm	1011 Blank
ARKV61227	RACE / SPRINT			280 deg	280 deg	.462" 11.73mm	.460" 11.68mm	36 - 64 68 - 32	104 deg	108 deg	.140" 3.55mm	.117" 2.97mm	.008" / .20mm .010" / .25mm	1011 Blank

## ROVER T SERIES 2.0 16v

Valve lifts quoted assume a rocker ratio of 1:1

Many other profiles are available. Ask for details

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	with clearance Inl	Exh		
ARTBP270H	FAST ROAD		10 BHP	248 deg	248 deg	.348" 8.84mm	.348" 8.84mm	14 - 54 54 - 14	110 deg	110 deg	.045" 1.14mm	.045" 1.14mm	HYDRAULIC	314 Repro
ARTBP285M	ULTIMATE ROAD		15 BHP	260 deg	260 deg	.384" 9.75mm	.384" 9.75mm	22 - 58 58 - 22	108 deg	108 deg	.059" 1.50mm	.057" 1.45mm	.008" / .20mm .010" / .25mm	314 Repro
ARTBP270HT	FAST ROAD TURBO		16 BHP	240 deg	240 deg	.346" 8.79mm	.346" 8.79mm	10 - 50 50 - 10	110 deg	110 deg	.017" 0.43mm	.017" 0.43mm	HYDRAULIC	314 Repro
ARTBP285MT	ULTIMATE ROAD TURBO		20 BHP+	260 deg	260 deg	.384" 9.75mm	.384" 9.75mm	20 - 60 60 - 20	110 deg	110 deg	.049" 1.24mm	.047" 1.19mm	.008" / .20mm .010" / .25mm	314 Repro

## AUSTIN HEALEY 3000

Valve lifts quoted assume a rocker ratio of 1.42:1

Many other profiles are available. Ask for details

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	with clearance Inl	Exh		
AH3BP270	FAST ROAD	1000-5000	14 BHP	272 deg	272 deg	.396" 10.06mm	.394" 10.00mm	31 - 61 66 - 26	105 deg		.073" 1.85mm	.048" 1.22mm	.013" / .33mm .015" / .38mm	279 Repro 998 Billet
AH3BP285	ULTIMATE ROAD	1600-6000	20 BHP	288 deg	288 deg	.412" 10.47mm	.410" 10.42mm	39 - 69 74 - 34	105 deg		.103" 2.62mm	.078" 1.98mm	.014" / .35mm .016" / .40mm	279 Repro 998 Billet
AH3BP300	RALLY <i>NEW</i>	2000-6500		296 deg	296 deg	.447" 10.16mm	.445" 10.16mm	43 - 71 71 - 43	104 deg		.136" 3.44mm	.134" 3.39mm	.016" / .40mm .018" / .45mm	279 Repro 998 Billet
AH3BP320	RACE	3000-7500		328 deg	328 deg	.536" 13.61mm	.534" 13.56mm	62 - 86 87 - 61	102 deg		.213" 5.41mm	.206" 5.23mm	.016" / .40mm .018" / .45mm	998 Billet
AH3SPRINT	RALLY RACE	2000-6800		320 deg	300 deg	.448" 11.38mm	.448" 11.38mm	60 - 80 75 - 45	100 deg		.185" 4.70mm	.130" 3.30mm	.015" / .38mm .015" / .38mm	279 Repro 998 Billet
AH3SSPRINT	RACE	2500-7000		320 deg	320 deg	.448" 11.38mm	.448" 11.38mm	60 - 80 85 - 55	100 deg		.185" 4.70mm	.160" 4.06mm	.015" / .38mm .015" / .38mm	279 Repro 998 Billet

## CAM KITS

### ROVER K SERIES V6 2.5 KV6 INCLUDE:

Part No.	Cams	Followers	Hydraulic Adjusters	Valve Springs	Spring Seats	Stem Seals	Spring Caps	Spray Bar	Ball Studs	Timing Belt	Vernier Pulley	Timing Disc & Lube	Price €
KBARKV6270	X	X										X	1623 Blank
KBARKV6285	X	X		X								X	1958 Blank

#### ADDITIONAL COMPONENTS FOR ABOVE ENGINES:

PULDKV6 - Pair KV6 alloy vernier pulleys 338 € (Rear Only)

FOLTH - T series hydraulic cam follower set 455 €

PULDT - Pr T-Series alloy vernier pulleys 338 €

FOLKV6H - KV6 hydraulic cam follower set 682 €

FOLKV6M - KV6 solid cam follower & shim set 1178 €

FOLTM - T series solid cam follower & shim set 785 €

VSSKV6 - Uprated single valve spring set 307 €

VDSKV6 - Uprated double valve spring set 423 €

**CAMSHAFTS ROVER 3.5 / 3.9 & 4.0 / 4.6 'SERPENTINE'****PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1.6:1

Note: If fitted to the 'serpentine' engine the cam requires special machining to the thrust, the charge for this is €

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl with clearance	Exh		
V8BP255	MILD ROAD and AUTO	1000-5000	10 BHP	272 deg	272 deg	.420" 10.67mm	.420" 10.67mm	24 - 68 68 - 24	112 deg	.054" 1.37mm	.054" 1.37mm	HYDRAULIC	370 Blank	
V8BP270	FAST ROAD CARBURETTOR	1500-6000	24 BHP	272 deg	272 deg	.420" 10.67mm	.420" 10.67mm	28 - 64 64 - 28	108 deg	.072" 1.83mm	.081" 2.06mm	HYDRAULIC	370 Blank	
V8BP270i	FAST ROAD INJECTION <small>Can also be used in a 'carb' engine to produce massive low down torque</small>	1500-6000	22 BHP	272 deg	272 deg	.420" 10.67mm	.420" 10.67mm	26 - 66 66 - 26	110 deg	.063" 1.60mm	.063" 1.60mm	HYDRAULIC	370 Blank	
V8BP285	ULTIMATE ROAD	2000-6500	30 BHP	276 deg	276 deg	.440" 11.18mm	.440" 11.18mm	41 - 75 75 - 41	107 deg	.070" 1.78mm	.070" 1.78mm	HYDRAULIC	370 Blank	
V8BP300H	RALLY RACE	2500-7000		286 deg	286 deg	.446" 11.33mm	.446" 11.33mm	39 - 67 67 - 39	104 deg	.108" 2.74mm	.108" 2.74mm	HYDRAULIC	370 Blank	
V8BP300	RALLY RACE	2500-7000		300 deg	300 deg	.507" 12.87mm	.505" 12.82mm	44 - 76 76 - 44	107 deg	.168" 4.27mm	.177" 4.36mm	.018" / .45mm .020" / .50mm	370 Blank	
V8BP320	RACE	3500-8000		306 deg	306 deg	.537" 13.64mm	.535" 13.59mm	47 - 79 75 - 51	106 deg	.168" 4.27mm	.188" 4.78mm	.018" / .45mm .020" / .50mm	370 Blank	
V8GPAK	GROUP A	2000-6500		300 deg	300 deg	.390" 9.91mm	.390" 9.91mm	44 - 76 76 - 44	106 deg	.095" 2.41mm	.095" 2.41mm	HYDRAULIC	370 Blank	

**ROVER V8 4.0 / 4.6 (ENGINES WITH NO DISTRIBUTOR)**

V846BP270	FAST ROAD	1000-5500	21 BHP	280 deg	268 deg	.450" 11.42mm	.467" 11.87mm	28 - 72 66 - 22	112 deg	.054" 1.37mm	.064" 1.63mm	HYDRAULIC	463 Blank
V846BP285	ROAD RALLY	1800-6000	35 BHP	280 deg	286 deg	.477" 12.11mm	.477" 12.11mm	30 - 70 73 - 33	110 deg	.074" 1.88mm	.083" 2.11mm	HYDRAULIC	463 Blank

**CAM KITS****ROVER V8 3.5 / 3.9 INCLUDE:**

Part No.	Cams	Followers	Hydraulic Adjusters	Valve Springs	Spring Seats	Stem Seals	Spring Caps	Spray Bar	Ball Studs	Timing Belt	Vernier Pulley	Timing Disc & Lube	Price €
KBV8255	X	X		X								X	787 Blank
KBV8270	X	X		X								X	787 Blank
KBV8270i	X	X		X								X	787 Blank
KBV8285	X	X		X								X	787 Blank
KBV8300H	X	X		X								X	787 Blank

**ROVER V8 4.0 / 4.6 (ENGINES WITH NO DISTRIBUTOR) INCLUDE:**

KBV846270	X	X		X								X	880 Blank
KBV846285	X	X		X								X	880 Blank

**ADDITIONAL COMPONENTS FOR ABOVE ENGINES:**

PULSV8 - Rover V8 vernier duplex kit 210 €  
 TCV8 - Duplex timing chain 39 €  
 FOLV8 - Rover V8 cam hydraulic follower set 251 €  
 FOLV8M - Rover V8 cam solid follower set 261 €

VSSV8 - Uprated single valve spring set 200 €  
 VTSV8 - Triple valve spring set 279 €

# CAMSHAFTS SUBARU IMPREZA TURBO

**PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1:1

Many other profiles are available. Ask for details

NOTE : Oversized shims required with reprofiled cams

NEW - BLANKS AVAILABLE FOR VERSION 5 & 6 ENGINES

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl with clearance	Exh		
SUBBP270H	FAST ROAD	1800-6800	15 BHP	264 deg	264 deg	.352" 8.94mm	.352" 8.94mm	22 - 62 62 - 22	110 deg	110 deg	.047" 1.19mm	.047" 1.19mm	HYDRAULIC	564 Repro 1330 Blank
SUBBP285	ULTIMATE ROAD	2500-7500		276 deg	276 deg	.402" 10.19mm	.400" 10.13mm	28 - 68 68 - 28	110 deg	110 deg	.075" 1.91mm	.075" 1.91mm	.008" / .20mm .010" / .25mm	564 Repro 1330 Blank
SUBGPA	GROUP A RALLY <small>For use with 34mm restrictor</small>	2700-7800		252 deg	252 deg	.410" 10.41mm	.410" 10.41mm	16 - 56 56 - 16	110 deg	110 deg	.060" 1.52mm	.060" 1.52mm	.008" / .20mm .010" / .25mm	564 Repro 1330 Blank

## SUZUKI SWIFT GTI 16v

Valve lifts quoted assume a rocker ratio of 1:1

SSBP270H	FAST ROAD	2500-7000	10 BHP	256 deg	256 deg	.340" 8.64mm	.340" 8.64mm	18 - 58 58 - 18	110 deg	110 deg	.024" 0.61mm	.024" 0.61mm	HYDRAULIC	314 Repro
SSBP285	ULTIMATE ROAD	3500-7800		280 deg	280 deg	.334" 8.48mm	.334" 8.48mm	34 - 66 66 - 34	106 deg	106 deg	.095" 2.41mm	.093" 2.36mm	.008" / .20mm .010" / .25mm	314 Repro
SSBP300	RALLY	4000-8500		290 deg	290 deg	.356" 9.04mm	.356" 9.04mm	41 - 69 69 - 41	104 deg	104 deg	.108" 2.74mm	.106" 2.69mm	.008" / .20mm .010" / .25mm	314 Repro

## TALBOT (HILLMAN) IMP

Valve lifts quoted assume a rocker ratio of 1:1

IMPBP270	FAST ROAD	2000-7000		276 deg	276 deg	.294" 7.45mm	.292" 7.40mm	29 - 67 67 - 29	109 deg	109 deg	.056" 1.42mm	.054" 1.37mm	.008" / .20mm .010" / .25mm	186 Repro 822 Billet
IMPBP285	ULTIMATE ROAD <small>Repro only available on Imp Sport cam.</small>	3000-7500		284 deg	284 deg	.323" 8.20mm	.321" 8.15mm	33 - 71 71 - 33	109 deg	109 deg	.084" 2.13mm	.082" 2.08mm	.008" / .20mm .010" / .25mm	186 Repro 822 Billet
IMPBP300	RALLY	4000-8000		286 deg	286 deg	.352" 8.94mm	.350" 8.89mm	37 - 69 69 - 37	106 deg	106 deg	.132" 3.35mm	.130" 3.30mm	.014" / .30mm .016" / .35mm	822 Blank
IMPBP320	RACE	4500-8500		300 deg	300 deg	.355" 9.00mm	.353" 8.95mm	47 - 73 73 - 47	103 deg	103 deg	.152" 3.86mm	.150" 3.81mm	.008" / .20mm .010" / .25mm	822 Blank
IMPBP330	RACE	5000-9000		326 deg	326 deg	.374" 9.49mm	.372" 9.44mm	57 - 89 89 - 57	106 deg	106 deg	.186" 4.73mm	.184" 4.68mm	.010" / .25mm .012" / .30mm	822 Blank

## TOYOTA 4AGE 16v

Valve lifts quoted assume a rocker ratio of 1:1

TOY16VBP270	FAST ROAD	2000-6500	9 BHP	252 deg	252 deg	.303" 7.70mm	.303" 7.70mm	16 - 56 56 - 16	110 deg	110 deg	.037" 0.94mm	.035" 0.89mm	.008" / .20mm .010" / .25mm	851 Blank
TOY16VBP285	ULTIMATE ROAD <small>Not recommended for use with std injection</small>	2800-7500	12 BHP	288 deg	288 deg	.353" 8.94mm	.351" 8.89mm	38 - 70 70 - 38	106 deg	108 deg	.096" 2.41mm	.094" 2.36mm	.008" / .20mm .010" / .25mm	851 Blank
TOY16VBP300	RALLY	3000-8000		300 deg	300 deg	.351" 8.89mm	.349" 8.84mm	44 - 76 76 - 44	106 deg	106 deg	.144" 3.62mm	.142" 3.57mm	.008" / .20mm .010" / .25mm	851 Blank
TOY16VBP320	RACE	4000-9000		326 deg	326 deg	.375" 9.49mm	.373" 9.44mm	57 - 89 89 - 57	106 deg	106 deg	.187" 4.73mm	.185" 4.68mm	.008" / .20mm .010" / .25mm	851 Blank

## TOYOTA 4AGE 1.6 20v

Valve lifts quoted assume a rocker ratio of 1:1

TOY20VBP270	FAST ROAD	1800-7000	10 BHP	228 deg	220 deg	.400" 10.16mm	.354" 9.00mm	4 - 44 40 - 0	110 deg	110 deg	.049" 1.24mm	.033" 0.84mm	.010" / .25mm .012" / .30mm	1107 Blank
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**CAMSHAFTS TOYOTA CELICA VVTLI *NEW*****PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1.645:1 Low Lift / 1.795:1 High Lift

Part No.	Application	Power Band	Power Increase	Duration				Valve Lift				Valve Clearance	Price €
				Inlet		Exhaust		Inlet		Exhaust			
				Low	High	Low	High	Low	High	Low	High		
VVTLIBP270	FAST ROAD	2000-8500	15 BHP	268deg	288deg	268deg	284deg	.362" 9.20mm	.472" 12.00mm	.362" 9.20mm	.433" 11.00mm	.008" / .20mm .010" / .25mm	1107 Blank

**TOYOTA 3SGE 2.0 16v**

Valve lifts quoted assume a rocker ratio of 1:1

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC with clearance		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl	Exh		
TOYSGBP270	FAST ROAD	2000-6500	10 BHP	260 deg	260 deg	.369" 9.37mm	.367" 9.32mm	20 - 60 60 - 20	110 deg	110 deg	.042" 1.06mm	.040" 1.01mm	.010" / .25mm .012" / .30mm	314 Repro 931 Blank
TOYSGBP285	ULTIMATE ROAD	2500-7000		264 deg	264 deg	.412" 10.47mm	.410" 10.42mm	24 - 60 60 - 24	108 deg	108 deg	.071" 1.78mm	.069" 1.68mm	.008" / .20mm .010" / .25mm	314 Repro 931 Blank

**TOYOTA 3SGTE 2.0 16v TURBO**

Valve lifts quoted assume a rocker ratio of 1:1

TOYSGTBP270	FAST ROAD	2000-6500	10 BHP	260 deg	260 deg	.369" 9.37mm	.367" 9.32mm	20 - 60 60 - 20	110 deg	110 deg	.042" 1.06mm	.040" 1.01mm	.010" / .25mm .012" / .30mm	314 Repro 931 Blank
TOYSGTBP285	ULTIMATE ROAD	2500-7000		264 deg	264 deg	.412" 10.47mm	.410" 10.42mm	22 - 62 62 - 22	110 deg	110 deg	.062" 1.58mm	.060" 1.52mm	.008" / .20mm .010" / .25mm	314 Repro 931 Blank
TOYSGTBP300	RALLY	2500-7000		272 deg	272 deg	.430" 10.92mm	.428" 10.87mm	28 - 64 66 - 26	108 deg	110 deg	.072" 1.83mm	.060" 1.52mm	.010" / .25mm .012" / .30mm	314 Repro 931 Blank

**TOYOTA SUPRA 2JZ *NEW***

Valve lifts quoted assume a rocker ratio of 1:1

TOY2JZBP270	FAST ROAD	2000-6500	25 BHP	264 deg	264 deg	.365" 9.05mm	.354" 9.00mm	22 - 62 62 - 22	110 deg	110 deg	.040" 1.02mm	.038" 0.97mm	.010" / .25mm .012" / .30mm	931 Blank
TOY2JZBP285	ULTIMATE ROAD	2500-7000		264 deg	272 deg	.376" 9.55mm	.374" 9.50mm	22 - 62 66 - 26	110 deg	110 deg	.044" 1.12mm	.054" 1.37mm	.010" / .25mm .012" / .30mm	931 Blank
TOY2JZBP300	RALLY	3000-7500		272 deg	280 deg	.423" 10.74mm	.421" 10.69mm	26 - 66 70 - 30	110 deg	110 deg	.076" 1.94mm	.092" 2.34mm	.010" / .25mm .012" / .30mm	931 Blank

**TOYOTA / LEXUS V8 - AVAILABLE ON REQUEST. PLEASE RING FOR DETAILS *NEW*****ADDITIONAL COMPONENTS FOR ABOVE ENGINES:**

PULD3SG - Toyota 3SG / 3SGTE vernier pulleys 338 € (Available Early 2006)

VSS3SG - TOYOTA 3SGE / 3SGTE single valve spring set 205 €

VDS3SG - TOYOTA 3SGE / 23SGTE double valve spring set 306 €

# CAMSHAFTS TRIUMPH 1.2 / 1.3 / 1.5 4 Cyl

**PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1.5:1

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC with clearance		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl	Exh		
TRBP255	MILD ROAD	1500-5800	6 BHP	252 deg	252 deg	.380" 9.65mm	.380" 9.65mm	17 - 55 55 - 17	109 deg	.042" 1.06mm	.040" 1.01mm	.022" / .55mm .024" / .60mm	144 Repro 330 Blank	
TRBP270	FAST ROAD	2000-6400	10 BHP	268 deg	268 deg	.414" 10.52mm	.412" 10.47mm	26 - 62 62 - 26	108 deg	.070" 1.77mm	.068" 1.72mm	.012" / .30mm .014" / .35mm	144 Repro 330 Blank	
TRBP285	ULTIMATE ROAD	2800-6800	14 BHP	284 deg	284 deg	.414" 10.52mm	.414" 10.52mm	36 - 68 68 - 36	106 deg	.112" 2.84mm	.114" 2.89mm	.012" / .30mm .014" / .35mm	144 Repro 330 Blank	
TRBP300	RALLY	3500-7500		300 deg	300 deg	.445" 11.30mm	.445" 11.30mm	44 - 76 76 - 44	106 deg	.125" 3.18mm	.123" 3.12mm	.016" / .40mm .018" / .45mm	144 Repro 330 Blank	

## TRIUMPH TR 3 / 4

Valve lifts quoted assume a rocker ratio of 1.5:1

All blank cams are chill cast.

TR3BP270	FAST ROAD	1300-5500	8 BHP	272 deg	272 deg	.411" 10.44mm	.409" 10.39mm	26 - 66 66 - 26	110 deg	.055" 1.40mm	.053" 1.35mm	.014" / .30mm .016" / .35mm	144 Repro 330 Blank
TR3BP285	ULTIMATE ROAD	2000-6000	12 BHP	286 deg	286 deg	.446" 11.32mm	.444" 11.27mm	33 - 73 73 - 33	110 deg	.112" 2.84mm	.110" 2.79mm	.016" / .40mm .018" / .45mm	330 Blank
TR3BP300	RALLY	2500-6500		302 deg	302 deg	.465" 11.81mm	.463" 11.76mm	43 - 79 79 - 43	108 deg	.139" 3.53mm	.137" 3.48mm	.016" / .40mm .018" / .45mm	330 Blank
TR3BP320	RACE	3000-7000		328 deg	328 deg	.495" 12.57mm	.493" 12.52mm	58 - 90 90 - 58	106 deg	.175" 4.44mm	.173" 4.39mm	.016" / .40mm .018" / .45mm	330 Blank

## TRIUMPH DOLOMITE SPRINT 16v

Valve lifts quoted assume a rocker ratio of 1:1

Many other profiles are available. Ask for details

TRSBP270	FAST ROAD	2000-6500	8 BHP	280 deg	280 deg	.385" 9.78mm	.383" 9.73mm	32 - 68 68 - 32	108 deg	.099" 2.51mm	.097" 2.46mm	.012" / .30mm .014" / .35mm	186 Repro 1096 Billet
TRSBP285	ULTIMATE ROAD	2500-7000	12 BHP	296 deg	296 deg	.426" 10.82mm	.424" 10.77mm	40 - 76 76 - 40	108 deg	.139" 3.53mm	.137" 3.48mm	.008" / .20mm .010" / .25mm	186 Repro 1096 Billet
TRSBP300	RALLY	3000-7500		312 deg	312 deg	.427" 10.85mm	.425" 10.80mm	48 - 84 84 - 48	108 deg	.154" 3.91mm	.152" 3.86mm	.008" / .20mm .010" / .25mm	186 Repro 1096 Billet
TRSBP320	RACE	3500-8000		316 deg	316 deg	.443" 11.25mm	.443" 11.25mm	50 - 86 86 - 50	108 deg	.164" 4.17mm	.162" 4.12mm	.014" / .30mm .016" / .35mm	186 Repro 1096 Billet

## TRIUMPH 2.0 / 2.5 6 Cyl

Valve lifts quoted assume a rocker ratio of 1.5:1

TR6BP255	MILD ROAD	1000-5500	8 BHP	252 deg	252 deg	.380" 9.65mm	.380" 9.65mm	17 - 55 55 - 17	109 deg	.042" 1.06mm	.040" 1.01mm	.022" / .55mm .024" / .60mm	247 Repro 399 Blank
TR6BP270	FAST ROAD	1500-6000	12 BHP	264 deg	264 deg	.406" 10.31mm	.406" 10.31mm	24 - 60 60 - 24	108 deg	.070" 1.77mm	.068" 1.72mm	.016" / .40mm .018" / .45mm	247 Repro 399 Blank
TR6BP285	ULTIMATE ROAD	2500-6500	16 BHP	284 deg	284 deg	.414" 10.52mm	.414" 10.52mm	36 - 68 68 - 36	106 deg	.112" 2.84mm	.114" 2.89mm	.012" / .30mm .014" / .35mm	247 Repro 399 Blank
TR6BP300	RALLY	2800-7000		300 deg	300 deg	.445" 11.30mm	.445" 11.30mm	44 - 76 76 - 44	106 deg	.125" 3.18mm	.123" 3.12mm	.016" / .40mm .018" / .45mm	247 Repro 399 Blank
TR6BP320	RACE	3200-7500		312 deg	312 deg	.490" 12.45mm	.490" 12.45mm	52 - 80 80 - 52	104 deg	.180" 4.57mm	.178" 4.52mm	.014" / .35mm .016" / .40mm	247 Repro 399 Blank

**ADDITIONAL COMPONENTS FOR ABOVE ENGINES:**

VSSTR6 - Triumph 6 cyl single spring set 112 €

FOLT6 - Triumph 6 cyl cam follower set 149 €

VDSTR6 - Triumph 6 cyl double spring set 176 €

**CAMSHAFTS VAUXHALL / OPEL C.I.H. 1600 / 1900 / 2000****PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1.52:1

Solid followers must be used with this range of camshafts

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC with clearance		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl	Exh		
OPBP255	MILD ROAD	1800-6000	6 BHP	260 deg	260 deg	.393" 9.98mm	.393" 9.98mm	21 - 59 59 - 21	109 deg	.051" 1.30mm	.049" 1.25mm	.016" / .40mm .018" / .45mm	340 Blank	
OPBP270	FAST ROAD	2000-6500	10 BHP	268 deg	268 deg	.421" 10.69mm	.421" 10.69mm	26 - 62 62 - 26	108 deg	.071" 1.80mm	.069" 1.75mm	.012" / .30mm .014" / .35mm	340 Blank	
OPBP285	ULTIMATE ROAD	2500-6700	16 BHP	280 deg	280 deg	.435" 11.05mm	.435" 11.05mm	34 - 66 66 - 34	106 deg	.088" 2.23mm	.086" 2.18mm	.012" / .30mm .014" / .35mm	340 Blank	
OPBP300	RALLY	3000-7400		300 deg	300 deg	.450" 11.43mm	.450" 11.43mm	46 - 74 74 - 46	104 deg	.135" 3.43mm	.133" 3.38mm	.016" / .40mm .018" / .45mm	340 Blank	
OPBP320	RACE	4000-8000		328 deg	328 deg	.517" 13.13mm	.517" 13.13mm	62 - 86 86 - 62	102 deg	.210" 5.33mm	.208" 5.28mm	.012" / .30mm .014" / .35mm	340 Blank	

**VAUXHALL / OPEL CARLTON / SENATOR 6 Cyl**

Valve lifts quoted assume a rocker ratio of 1.52:1

Solid followers must be used with this range of camshafts

OP6BP255	MILD ROAD	1500-5800	6 BHP	260 deg	260 deg	.393" 9.98mm	.393" 9.98mm	21 - 59 59 - 21	109 deg	.051" 1.30mm	.049" 1.25mm	.016" / .40mm .018" / .45mm	426 Blank
OP6BP270	FAST ROAD	1800-6200	10 BHP	268 deg	268 deg	.421" 10.69mm	.421" 10.69mm	26 - 62 62 - 26	108 deg	.071" 1.80mm	.069" 1.75mm	.012" / .30mm .014" / .35mm	426 Blank
OP6BP285	ULTIMATE ROAD	2200-6750	16 BHP	280 deg	280 deg	.435" 11.05mm	.435" 11.05mm	34 - 66 66 - 34	106 deg	.088" 2.23mm	.086" 2.18mm	.012" / .30mm .014" / .35mm	426 Blank
OP6BP300	RALLY	2800-7000		300 deg	300 deg	.450" 11.43mm	.450" 11.43mm	46 - 74 74 - 46	104 deg	.135" 3.43mm	.133" 3.38mm	.016" / .40mm .018" / .45mm	426 Blank
OP6BP320	RACE	3500-7800		328 deg	328 deg	.517" 13.13mm	.517" 13.13mm	62 - 86 86 - 62	102 deg	.210" 5.33mm	.208" 5.28mm	.012" / .30mm .014" / .35mm	426 Blank

**CAM KITS****VAUXHALL / OPEL C.I.H. 1600 / 1900 / 2000 INCLUDE:**

Part No.	Cams	Followers	Hydraulic Adjusters	Valve Springs	Spring Seats	Stem Seals	Spring Caps	Spray Bar	Ball Studs	Timing Belt	Vernier Pulley	Timing Disc & Lube	Price €
KBOP255	X	X		X								X	543 Blank
KBOP270	X	X		X								X	543 Blank
KBOP285	X	X		X								X	543 Blank
KBOP300	X	X		X								X	543 Blank
KBOP320	X	X		X								X	543 Blank

**ADDITIONAL COMPONENTS FOR ABOVE ENGINES:**

VSSOP - Vauxhall CIH 4 cyl single spring/seat kit 141 €

PULSOP - Vauxhall CIH vernier duplex kit 210 €

FOLOP - Vauxhall CIH 4 cyl solid cam follower set 172 €

# CAMSHAFTS VAUXHALL OPEL OMEGA / VECTRA 2.5 / 3.0 V6 24v

**PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1:1

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC with clearance		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl	Exh		
OPV6BP270A	<b>FAST ROAD</b> For use in 2.5 engine	1800-6000	15 BHP	248 deg	248 deg	.375" 9.53mm	.375" 9.53mm	14 - 54 54 - 14	110 deg	110 deg	.032" 0.81mm	.032" 0.81mm	HYDRAULIC	641 Repro 1197 Blank
OPV6BP270B	<b>FAST ROAD</b> For use in 3.0 engine	2000-6500	20 BHP	256 deg	256 deg	.415" 10.54mm	.415" 10.54mm	18 - 58 58 - 18	110 deg	110 deg	.043" 1.09mm	.043" 1.09mm	HYDRAULIC	641 Repro 1197 Blank

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

Valve lifts quoted assume a rocker ratio of 1.69:1

Many other profiles available

Part No.	Application	Power Band	Power Increase	Duration Inl	Duration Exh	Valve Lift Inl	Valve Lift Exh	Timing	Full Lift Inl ATDC	Full Lift Exh BTDC	Lift @ TDC Inl	Lift @ TDC Exh	Valve Clearance	Price €
A13BP270H	<b>FAST ROAD</b>	2000-6500	12 BHP	272 deg	272 deg	.444" 11.29mm	.444" 11.29mm	28 - 64 64 - 28	108 deg		N/A	N/A	HYDRAULIC	367 Blank
A13BP270Hi	<b>FAST ROAD</b> For use in 1.4 injection engines	2000-6000	10 BHP	268 deg	268 deg	.444" 11.29mm	.444" 11.29mm	24 - 64 64 - 24	110 deg		N/A	N/A	HYDRAULIC	367 Blank
A13BP285H	<b>ULTIMATE ROAD</b> For use with 2 x 40 DCOE's	2200-6800	14 BHP	280 deg	280 deg	.487" 12.37mm	.487" 12.37mm	33 - 67 67 - 33	107 deg		N/A	N/A	HYDRAULIC	367 Blank
A13BP300H	<b>RALLY</b> Cam carrier requires skimming	2800-7500		300 deg	300 deg	.475" 12.06mm	.475" 12.06mm	44 - 76 76 - 44	106 deg		N/A	N/A	HYDRAULIC	367 Blank
A13BP320H	<b>RACE</b> Cam carrier requires skimming	3000-7800		320 deg	300 deg	.504" 12.79mm	.460" 11.68mm	54 - 86 76 - 44	106 deg		N/A	N/A	HYDRAULIC	367 Blank
A13BP320M	<b>RACE</b> 1.3 Stock Rod	3500-8000		300 deg	300 deg	.485" 12.32mm	.485" 12.32mm	44 - 76 76 - 44	106 deg		N/A	N/A	.008" / .20mm .010" / .25mm	367 Blank
A13743	<b>RACE</b> 1.4 Stock Rod	3500-8000		300 deg	308 deg	.465" 11.81mm	.465" 11.81mm	44 - 76 80 - 48	106 deg		N/A	N/A	.008" / .20mm .010" / .25mm	367 Blank

## CAM KITS

### VAUXHALL / OPEL ASTRA / NOVA 1.2 / 1.3 / 1.4 / 1.6 GTE INCLUDE:

Part No.	Cams	Followers	Hydraulic Adjusters	Valve Springs	Spring Seats	Stem Seals	Spring Caps	Spray Bar	Ball Studs	Timing Belt	Vernier Pulley	Timing Disc & Lube	Price €
KBV13270H	X	X	X									X	612 Blank
KBV13270Hi	X	X	X									X	612 Blank
KBV13285H	X	X	X									X	612 Blank
KBV13300H	X	X	X	X								X	649 Blank
KBV13320H	X	X	X	X								X	649 Blank

#### ADDITIONAL COMPONENTS FOR ABOVE ENGINES:

PULDA13 - Vauxhall 1.3 alloy vernier pulley 194 €  
 PULDGTE - Vauxhall 1.4/1.6 GTE vernier pulley 194 €  
 FOLASTM - Vaux fwd follower set for use with ASTADJM 226 €  
 VSSAST13 - Vauxhall 1.3/1.4/1.6 single spring kit 108 €

ASTADJH - Vauxhall fwd hydraulic adjusters 149 €  
 ASTADJM - Vauxhall fwd solid adjusters 678 €  
 FOLAST - Vauxhall fwd cam follower set 202 €

TBP18 - Vauxhall 1.3 1980 on comp.cam belt 45 €  
 TBP19 - Vauxhall 1.4/1.6 (104 tooth) comp.cam belt 45 €  
 TBP20 - Vauxhall 1.4/1.6 (111 tooth) comp.cam belt 45 €

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

**PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1.69:1

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC with clearance		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl	Exh		
A18BP270HA	FAST ROAD	2000-6500	10 BHP	272 deg	272 deg	.444" 11.29mm	.444" 11.29mm	28 - 64 64 - 28	108 deg		N/A	N/A	HYDRAULIC	367 Blank
A18BP270HB	FAST ROAD <small>For use in SRI 130</small>	2000-6500	10 BHP	276 deg	268 deg	.465" 11.81mm	.444" 11.29mm	28 - 68 64 - 24	110 deg		N/A	N/A	HYDRAULIC	367 Blank
A18BP285H	ULTIMATE ROAD <small>For use with 2 x DCOE's</small>	2200-6800	14 BHP	280 deg	280 deg	.490" 12.45mm	.490" 12.45mm	33 - 67 67 - 33	107 deg		N/A	N/A	HYDRAULIC	367 Blank
A18BP300H	RALLY	2800-7400		300 deg	300 deg	.475" 12.06mm	.475" 12.06mm	44 - 76 76 - 44	106 deg		N/A	N/A	HYDRAULIC	367 Blank
A18BP320H	RALLY RACE	3000-7800		320 deg	300 deg	.504" 12.79mm	.460" 11.68mm	54 - 86 76 - 44	106 deg		N/A	N/A	HYDRAULIC	367 Blank
A18BP300M	RALLY <small>Mechanical</small>	3000-7600		300 deg	300 deg	.513" 13.03mm	.513" 13.03mm	44 - 76 76 - 44	106 deg		N/A	N/A	.008" / .20mm .010" / .25mm	367 Blank
A18BP320M	RACE <small>Mechanical</small>	3500-8000		310 deg	310 deg	.559" 14.20mm	.559" 14.20mm	49 - 81 81 - 49	106 deg		N/A	N/A	.014" / .35mm .016" / .40mm	367 Blank

## CAM KITS VAUXHALL OPEL / ASTRA / CAVALIER / CALIBRA / VECTRA 1.6i / 1.8i / 2.0i 8v J SERIES INCLUDE:

Part No.	Cams	Followers	Hydraulic Adjusters	Valve Springs	Spring Seats	Stem Seals	Spring Caps	Spray Bar	Ball Studs	Timing Belt	Vernier Pulley	Timing Disc & Lube	Price €
KBV18270HA	X	X	X									X	612 Blank
KBV18270HB	X	X	X									X	612 Blank
KBV18285H	X	X	X									X	612 Blank
KBV18300H	X	X	X	X								X	649 Blank
KBV18320H	X	X	X	X								X	649 Blank

**ADDITIONAL COMPONENTS FOR ABOVE ENGINES:**

ASTADJH - Vauxhall fwd hydraulic adjusters 149 €  
 ASTADJM - Vauxhall fwd solid adjusters 678 €  
 FOLAST - Vauxhall fwd cam follower set 202 €  
 FOLASTM - Vaux fwd follower set for use with ASTADJM 226 €

PULDA18 - Vauxhall 1.8/2.0 alloy vernier pulley 194 €  
 TBP21 - Vauxhall 1.6/1.8/2.0 comp.cam belt 45 €  
 VSSAST18 - Vauxhall 1.6/1.8 single spring kit 108 €

# CAMSHAFTS VAUXHALL / OPEL CORSA / TIGRA 1.4 / 1.6 16v

**PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1:1

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC with clearance		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl	Exh		
C16VBP270H	<b>FAST ROAD</b>	1800-6800	10 BHP	256 deg	256 deg	.372" 9.45mm	.372" 9.45mm	18 - 58 58 - 18	110 deg	110 deg	.032" 0.81mm	.032" 0.81mm	HYDRAULIC	314 Repr 809 Blank
C16VBP285H	<b>ULTIMATE ROAD</b> <small>Not recommended for use with std injection.</small>	2000-7000	14 BHP	264 deg	264 deg	.395" 10.03mm	.395" 10.03mm	22 - 62 62 - 22	110 deg	110 deg	.058" 1.47mm	.058" 1.47mm	HYDRAULIC	809 Blank
C16VBP300H	<b>RALLY</b>	3000-7800		280 deg	278 deg	.450" 11.43mm	.435" 11.05mm	34 - 66 65 - 33	106 deg	106 deg	.108" 2.74mm	.098" 2.49mm	HYDRAULIC	809 Blank
C16VBP300M	<b>RALLY</b>	3000-8000		290 deg	280 deg	.455" 11.56mm	.420" 10.67mm	39 - 71 66 - 34	106 deg	106 deg	.138" 3.51mm	.106" 2.69mm	.012" / .30mm .012" / .30mm	809 Blank
C16VBP320M	<b>RACE</b>	4000-8500		300 deg	300 deg	.462" 11.73mm	.435" 11.05mm	48 - 72 74 - 46	102 deg	104 deg	.187" 4.75mm	.146" 3.71mm	.012" / .30mm .012" / .30mm	809 Blank

## VAUXHALL / OPEL 1.8 / 2.0 / 2.2 ECOTEC 16v

Valve lifts quoted assume a rocker ratio of 1:1

Many other profiles available

ECOBP270H	<b>FAST ROAD</b>	1500-6500	10 BHP	256 deg	256 deg	.372" 9.45mm	.372" 9.45mm	18 - 58 58 - 18	110 deg	110 deg	.032" 0.81mm	.032" 0.81mm	HYDRAULIC	314 Repr 809 Blank
ECOBP285H	<b>ULTIMATE ROAD</b> <small>Not recommended for use with std injection</small>	2000-7000	14 BHP	264 deg	264 deg	.395" 10.03mm	.395" 10.03mm	22 - 62 62 - 22	110 deg	110 deg	.058" 1.47mm	.058" 1.47mm	HYDRAULIC	809 Blank
ECOBP300H	<b>RALLY</b>	3000-7800		280 deg	278 deg	.450" 11.43mm	.435" 11.05mm	34 - 66 65 - 33	106 deg	106 deg	.108" 2.74mm	.098" 2.49mm	HYDRAULIC	809 Blank

## VAUXHALL ASTRA / VX220 2.2 16v

Valve lifts quoted assume a rocker ratio of 1.72:1

VX22BP270	<b>FAST ROAD</b>	2000-6800	10 BHP	260 deg	260 deg	.423" 10.74mm	.423" 10.74mm	23 - 63 63 - 23	110 deg	110 deg	N/A	N/A	HYDRAULIC	314 Repr
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# CAM KITS

## VAUXHALL / OPEL CORSA / TIGRA 1.4 / 1.6 16v

Part No.	Cams	Followers	Hydraulic Adjusters	Valve Springs	Spring Seats	Stem Seals	Spring Caps	Spray Bar	Ball Studs	Timing Belt	Vernier Pulley	Timing Disc & Lube	Price €
KBC16V270H	X	X										X	851 Repr 1224 Blank
KBC16V285H	X	X										X	1224 Blank
KBC16V300H	X	X		X								X	1466 Blank

## VAUXHALL / OPEL 1.8 / 2.0 / 2.2 ECOTEC 16v INCLUDE:

KBECO270H	X	X										X	851 Repr 1224 Blank
KBECO285H	X	X										X	1224 Blank
KBECO300H	X	X		X								X	1466 Blank

### ADDITIONAL COMPONENTS FOR ABOVE ENGINES:

PULDCOR - Pr vauxhall corsa 16v alloy vernier pulleys 351 €

PULDECO - Pr vauxhall ecotec alloy vernier pulleys 351 €

TBP36 - Vauxhall Ecotec 1.8/2.0 cam belt 69 €

VDSCOR - Vauxhall corsa 16v double valve spring kit 418 €

SC16 - Vauxhall corsa 16v steel valve spring retainers 121 €

# CAMSHAFTS VAUXHALL / OPEL ASTRA / CAVALIER / CALIBRA 16v C20XE

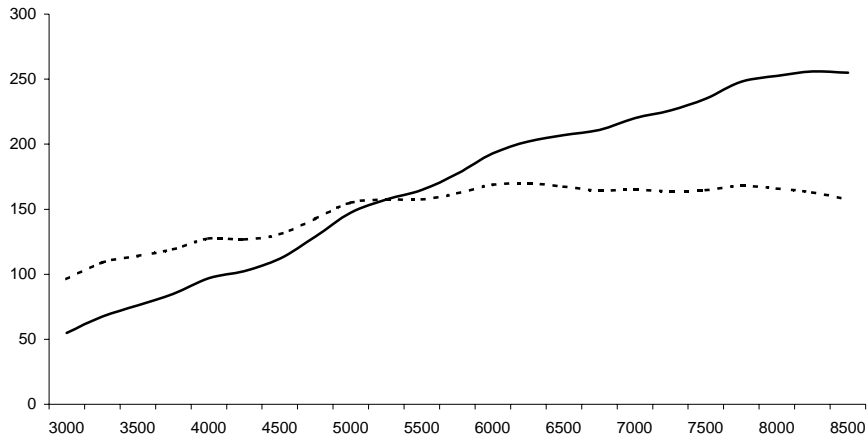
**PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1:1

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl	Exh		
A16VBP270H	<b>FAST ROAD</b>	1500-6700	15 BHP	264 deg	264 deg	.400" 10.16mm	.400" 10.16mm	22 - 62 62 - 22	110 deg	110 deg	.042" 1.07mm	.042" 1.07mm	HYDRAULIC	314 Repr 809 Blank
A16VBP270HT	<b>FAST ROAD TURBO</b> For use in turbo engine	1800-6500	15 BHP	256 deg	256 deg	.372" 9.45mm	.372" 9.45mm	18 - 58 58 - 18	110 deg	110 deg	.032" 0.81mm	.032" 0.81mm	HYDRAULIC	314 Repr 809 Blank
A16VBP285H	<b>ULTIMATE ROAD</b> Not recommended for use with std injection. Piper valve springs (Part No VDSAST16) must be used	2000-7200	20 BHP	280 deg	278 deg	.450" 11.43mm	.435" 11.05mm	34 - 66 65 - 33	106 deg	106 deg	.108" 2.74mm	.098" 2.49mm	HYDRAULIC	809 Blank
A16VBP300H	<b>RALLY</b> Piper valve springs (Part No VDSAST16) must be used	2600-7800		280 deg	280 deg	.455" 11.56mm	.455" 11.56mm	34 - 66 66 - 34	106 deg	106 deg	.115" 2.92mm	.115" 2.92mm	HYDRAULIC	809 Blank
A16VBP300M	<b>RALLY</b> Piper valve springs (Part No VDSAST16) must be used	3000-8000		290 deg	280 deg	.455" 11.56mm	.420" 10.67mm	39 - 71 66 - 34	106 deg	106 deg	.138" 3.51mm	.106" 2.69mm	.012" / .30mm .012" / .30mm	809 Blank
A16VBP320M	<b>RACE</b> Piper valve springs (Part No VDSAST16) must be used	4000-8500		300 deg	300 deg	.462" 11.73mm	.435" 11.05mm	48 - 72 74 - 46	102 deg	104 deg	.187" 4.75mm	.146" 3.71mm	.012" / .30mm .012" / .30mm	809 Blank
A16VHOTROD	<b>RACE HOT ROD</b> Piper valve springs (Part No VDSAST16) must be used	4000-8500+		304 deg	300 deg	.466" 11.80mm	.440" 11.18mm	46 - 78 76 - 44	106 deg	106 deg	.170" 4.32mm	.137" 3.48mm	.008" / .20mm .010" / .25mm	809 Blank
A16VPICKUP	<b>RACE PICK UP</b> Piper valve springs (Part No VDSAST16) must be used	3700-7800		296 deg	300 deg	.440" 11.18mm	.440" 11.18mm	42 - 74 76 - 44	106 deg	106 deg	.161" 4.09mm	.137" 3.48mm	.008" / .20mm .010" / .25mm	809 Blank
A16V2072	<b>RACE HOT ROD 2006</b> Piper valve springs (Part No VDSAST16) must be used	3700-7800		284 deg	276 deg	.450" 11.42mm	.420" 10.66mm	40 - 64 62 - 34	102 deg	104 deg	.129" 3.27mm	.101" 2.56mm	.008" / .20mm .010" / .25mm	809 Blank

## CAM KITS

Part No.	Cams	Followers	Hydraulic Adjusters	Valve Springs	Spring Seats	Stem Seals	Spring Caps	Spray Bar	Ball Studs	Timing Belt	Vernier Pulley	Timing Disc & Lube	Price €
KBA16V270H	X	X										X	851 Repr 1224 Blank
KBA16V270HT	X	X										X	851 Repr 1224 Blank
KBA16V285H	X	X		X								X	1463 Blank
KBA16V300H	X	X		X								X	1463 Blank



**C20XE - 2.0ltr 16v**  
**THROTTLE BODIES**  
**FLOWED HEAD**  
**HOT ROD CAMSHAFTS**

**256 BHP @ 8350 RPM**  
**170 LB/FT @ 6250 RPM**

**ADDITIONAL COMPONENTS FOR ABOVE ENGINES:**

- PULDA20 - Pr Vauxhall 2.0 16v alloy vernier pulleys 351 €
- VDSAST16 - Vauxhall 2.0 16v double valve spring kit 418 €
- SC17 - Vauxhall 2.0 16v steel valve spring retainers 121 €
- KBV16V270S - Vauxhall 2.0 16v cam/chip kit 1229 €
- FOLAST16H - Vauxhall 16v hydraulic follower set 455 €
- FOLAST16M - Vauxhall 16v comp.solid follower set 785 €
- TBP22 - Vauxhall 2.0 16v >92 competition cam belt 69 €
- TBP35 - Vauxhall 2.0 16v 93> competition cam belt 69 €

# CAMSHAFTS VOLKSWAGEN GOLF / POLO 1400 INC G40 HYDRAULIC

**PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1:1

These cams do not have a fuel pump lobe, therefore an electric pump will be required

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC with clearance		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl	Exh		
VPHBP270H	FAST ROAD	1500-6700	8 BHP	254 deg	254 deg	.400" 10.16mm	.400" 10.16mm	17 - 57 57 - 17	110 deg	.042" 1.07mm	.042" 1.07mm	HYDRAULIC	372 Blank	
G40BP270H	FAST ROAD <small>For use in G40 Supercharged engine.</small>	1800-6500	15 BHP	252 deg	274 deg	.372" 9.45mm	.433" 11.00mm	16 - 56 67 - 27	110 deg	.032" 0.81mm	.078" 1.98mm	HYDRAULIC	372 Blank	
VPHBP285H	ULTIMATE ROAD	2000-7200	12 BHP	268 deg	268 deg	.428" 10.87mm	.428" 10.87mm	26 - 62 62 - 26	108 deg	.069" 1.75mm	.069" 1.75mm	HYDRAULIC	372 Blank	
VPHBP300H	RALLY	3000-7800		280 deg	280 deg	.433" 11.00mm	.433" 11.00mm	34 - 66 66 - 34	106 deg	.098" 2.49mm	.098" 2.49mm	HYDRAULIC	372 Blank	

## VOLKSWAGEN GOLF GTI Mk1 MECHANICAL

Valve lifts quoted assume a rocker ratio of 1:1

GTIBP270	FAST ROAD	1800-6000	10 BHP	276 deg	276 deg	.420" 10.67mm	.420" 10.67mm	30 - 66 66 - 30	108 deg	.102" 2.59mm	.100" 2.54mm	.008" / .20mm .010" / .25mm	372 Blank
GTIBP285	ULTIMATE ROAD	2200-6500	14 BHP	280 deg	280 deg	.430" 10.92mm	.428" 10.87mm	34 - 66 66 - 34	106 deg	.119" 3.02mm	.117" 2.97mm	.010" / .25mm .012" / .30mm	372 Blank
GTIBP300	RALLY	3000-7300		304 deg	304 deg	.435" 11.05mm	.435" 11.05mm	48 - 76 76 - 48	104 deg	.166" 4.22mm	.164" 4.17mm	.010" / .25mm .012" / .30mm	372 Blank
GTIBP320	RACE	3500-8000		316 deg	316 deg	.435" 11.05mm	.435" 11.05mm	54 - 82 82 - 54	104 deg	.171" 4.34mm	.169" 4.29mm	.008" / .20mm .010" / .25mm	372 Blank
GTI528	RACE HOT ROD <small>The ultimate oval race cam.</small>	4000-8500+		328 deg	328 deg	.552" 14.02mm	.552" 14.02mm	62 - 86 86 - 62	102 deg	.238" 6.04mm	.236" 5.99mm	.008" / .20mm .010" / .25mm	372 Blank

## CAM KITS VOLKSWAGEN GOLF / POLO 1400 INC G40 INCLUDE:

Part No.	Cams	Followers	Hydraulic Adjusters	Valve Springs	Spring Seats	Stem Seals	Spring Caps	Spray Bar	Ball Studs	Timing Belt	Vernier Pulley	Timing Disc & Lube	Price €
KBVP270H	X	X										X	633 Blank
KBG40270H	X	X										X	633 Blank
KBVP285H	X	X										X	633 Blank
KBVP300H	X	X										X	633 Blank

## VOLKSWAGEN GOLF GTI Mk1 MECHANICAL INCLUDE:

KBVG270	X										X	X	521 Blank
KBVG285	X										X	X	521 Blank

**ADDITIONAL COMPONENTS FOR ABOVE ENGINES:**

PULDGTI - VW Golf Gti 8v/G60 vernier pulley 210 €  
TBP23 - VW Golf 1.5/1.6/1.8 comp.cam belt 45 €

FOLVWH - VW Golf hydraulic cam follower set 227 €

**CAMSHAFTS VOLKSWAGEN GOLF GTI 1800 8v HYDRAULIC****PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1:1

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC with clearance		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl	Exh		
GTIBP270H	FAST ROAD	2000-6200	10 BHP	260 deg	260 deg	.428" 10.87mm	.428" 10.87mm	22 - 58 58 - 22	108 deg	.069" 1.75mm	.069" 1.75mm	HYDRAULIC	372 Blank	
GTIBP285H	ULTIMATE ROAD	2500-6800	15 BHP	276 deg	276 deg	.450" 11.43mm	.450" 11.43mm	30 - 66 70 - 26	108 deg	.104" 2.64mm	.081" 2.06mm	HYDRAULIC	372 Blank	
GTIBP300H	RALLY	3000-7500		294 deg	294 deg	.445" 11.30mm	.445" 11.30mm	41 - 73 73 - 41	106 deg	.134" 3.40mm	.134" 3.40mm	HYDRAULIC	372 Blank	

**VOLKSWAGEN GOLF GTI Mk3 & NEW BEETLE 2.0 8v**

Valve lifts quoted assume a rocker ratio of 1:1

GTI20BP270H	FAST ROAD	2000-6000	10 BHP	256 deg	264 deg	.417" 10.59mm	.428" 10.87mm	18 - 58 62 - 22	110 deg	.043" 1.09mm	.063" 1.60mm	HYDRAULIC	372 Blank
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**VOLKSWAGEN GOLF G60 SUPERCHARGED**

Valve lifts quoted assume a rocker ratio of 1:1

G60BP270H	FAST ROAD	2000-6000	12 BHP	260 deg	260 deg	.428" 10.87mm	.428" 10.87mm	16 - 64 64 - 16	114 deg	.040" 1.01mm	.040" 1.01mm	HYDRAULIC	372 Blank
G60BP285H	ULTIMATE ROAD	2400-6500	18 BHP	268 deg	268 deg	.438" 11.13mm	.438" 11.13mm	20 - 68 68 - 20	114 deg	.042" 1.07mm	.042" 1.07mm	HYDRAULIC	372 Blank

**CAM KITS****VOLKSWAGEN GOLF GTI 1800 8v HYDRAULIC INCLUDE:**

Part No.	Cams	Followers	Hydraulic Adjusters	Valve Springs	Spring Seats	Stem Seals	Spring Caps	Spray Bar	Ball Studs	Timing Belt	Vernier Pulley	Timing Disc & Lube	Price €
KBVG270H	X	X										X	633 Blank
KBVG285H	X	X										X	633 Blank
KBVG300H	X	X										X	633 Blank

**VOLKSWAGEN GOLF Mk3 & NEW BEETLE 2.0 8v INCLUDE:**

KBVG20270	X	X										X	633 Blank
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**VOLKSWAGEN GOLF G60 SUPERCHARGED INCLUDE:**

KBG60270	X	X										X	633 Blank
KBG60285	X	X										X	633 Blank

**ADDITIONAL COMPONENTS FOR ABOVE ENGINES:**

PULDGTI - VW Golf Gti 8v/G60 alloy vernier pulley 210 €

FOLVWH - VW Golf hydraulic cam follower set 227 €

KBVG285HS - VW Golf 1.8 GTI cam/chip kit 933 €

TBP23 - VW Golf 1.5/1.6/1.8 comp.cam belt 45 €

TBP24 - VW Golf 2.0 competition cam belt 45 €

KBG60285S - VW Golf G60 cam/chip &amp; pulley kit 1434 €

# CAMSHAFTS VOLKSWAGEN GOLF GTI 1.8 / 2.0 16v

**PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1:1

Many other profiles available

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC with clearance		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl	Exh		
V16VBP270H	<b>FAST ROAD</b>	2000-6500	12 BHP	264 deg	264 deg	.409" 10.39mm	.428" 10.87mm	22 - 62 62 - 22	110 deg	110 deg	.045" 1.14mm	.063" 1.60mm	HYDRAULIC	314 Repr 809 Blank
V16VBP285H	<b>ULTIMATE ROAD</b> <small>Not recommended for use with std injection</small>	2500-7000	14 BHP	274 deg	276 deg	.433" 11.00mm	.450" 11.43mm	29 - 65 66 - 30	108 deg	108 deg	.088" 2.24mm	.104" 2.64mm	HYDRAULIC	809 Blank
V16VBP300H	<b>RALLY</b>	3000-7500		294 deg	294 deg	.445" 11.30mm	.445" 11.30mm	41 - 73 73 - 41	106 deg	106 deg	.134" 3.40mm	.134" 3.40mm	HYDRAULIC	809 Blank
V16VBP300M	<b>RALLY</b> <small>Mechanical followers part no.FOLV16VM req'd</small>	3000-7500		280 deg	280 deg	.440" 11.18mm	.438" 11.13mm	34 - 66 66 - 34	106 deg	106 deg	.120" 3.05mm	.118" 3.00mm	.008" / .20mm .010" / .25mm	809 Blank
V16VBP320M	<b>RACE</b> <small>Mechanical followers part no.FOLV16VM req'd</small>	4000-8000		290 deg	290 deg	.460" 11.68mm	.458" 11.63mm	43 - 67 69 - 41	102 deg	104 deg	.175" 4.45mm	.163" 4.14mm	.012" / .30mm	809 Blank

## VOLKSWAGEN GOLF / VENTO VR6 12v

Valve lifts quoted assume a rocker ratio of 1:1

Many other profiles available

Part No.	Application	Power Band	Power Increase	Duration		Valve Lift		Timing	Full Lift		Lift @ TDC with clearance		Valve Clearance	Price €
				Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl	Exh		
VR6BP270H	<b>FAST ROAD</b>	1800-6000	15 BHP	264 deg	264 deg	.428" 10.87mm	.428" 10.87mm	22 - 62 62 - 22	110 deg		.063" 1.60mm	.063" 1.60mm	HYDRAULIC	348 Repr 809 Blank
VR6BP285H	<b>ULTIMATE ROAD</b> <small>Not recommended for use with std injection</small>	2300-6500		276 deg	276 deg	.450" 11.43mm	.450" 11.43mm	30 - 66 66 - 30	108 deg		.104" 2.64mm	.104" 2.64mm	HYDRAULIC	809 Blank
VR6BP300H	<b>RALLY</b>	2700-7000		294 deg	294 deg	.445" 11.30mm	.445" 11.30mm	41 - 73 73 - 41	106 deg		.134" 3.40mm	.134" 3.40mm	HYDRAULIC	809 Blank

## VOLKSWAGEN GOLF Mk 5 GTI

Valve lifts quoted assume a rocker ration of 1:1

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## CAM KITS

### VOLKSWAGEN GOLF GTI 1.8 / 2.0 16v INCLUDE:

Part No.	Cams	Followers	Hydraulic Adjusters	Valve Springs	Spring Seats	Stem Seals	Spring Caps	Spray Bar	Ball Studs	Timing Belt	Vernier Pulley	Timing Disc & Lube	Price €
KBV16V270H	X	X										X	769 Repr 1277 Blank
KBV16V285H	X	X										X	1277 Blank
KBV16V300H	X	X										X	1277 Blank

### VOLKSWAGEN GOLF / VENTO VR6 INCLUDE:

KBVR6270H	X	X										X	795 Repr 1277 Blank
KBVR6285H	X	X										X	1277 Blank
KBVR6300H	X	X										X	1277 Blank

#### ADDITIONAL COMPONENTS FOR ABOVE ENGINES:

FOLVW16H - VW Golf 16v hydraulic cam follower set 455 €  
 FOLVW16M - VW Golf 16v comp.solid cam follower set 785 €  
 FOLVR6H - VW Golf VR6 hydraulic cam follower set 340 €

PULDV16V - VW Golf 16v alloy vernier pulley 210 €  
 TBP25 - VW Golf 1.8 16v comp.cam belt 69 €  
 TBP29 - VW Golf 2.0 16v comp.cam belt 69 €

**CAM FOLLOWERS**

PART NO.	DESCRIPTION	€
<b>AUDI</b>		
FOLAUD	AUDI 4 CYL 8V HYD	€ 227,00
FOLAUD5	AUDI 5 CYL 10V HYD	€ 285,00
<b>BMW</b>		
FOLBMS6	SMALL 6 M20	€ 459,00
FOLBML6	LARGE 6 M30	€ 499,00
<b>CITROEN</b>		
FOLVTSH	SAXO VTS 16V HYD	€ 455,00
FOLVTSM	SAXO VTS 16V MEC	€ 785,00
FOLVTSM31	SAXO VTS 31MM MEC	€ 785,00
<b>FORD</b>		
FOLBDA	BDA	€ 785,00
FOLCOSH	COSWORTH 16V HYD	€ 455,00
FOLCOSM	COSWORTH 16V MEC	€ 785,00
FOLCVH	CVH HYD	€ 164,00
FOLCVHA	CVH ANTI-PUMP HYD	€ 215,00
FOLCVHS	CVH SOLID LIFTERS	€ 330,00
FOLFN	PRE XFLOW NARROW STEM	€ 116,00
FOLFW	XFLOW 711M WIDE STEM	€ 82,00
FOLOHC	OHC 1.6/2.0	€ 98,00
FOLV6	V6 3.0 ESSEX	€ 146,00
FOLV6G	V6 2.3/2.8/2.9 GERMAN	€ 146,00
FOLZETAH	ZETEC HYD	€ 455,00
FOLZETAM	ZETEC MEC	€ 785,00
FOLZETAM31	ZETEC 31MM MEC	€ 785,00
FOLFOC	FOCUS 2.0 MEC	€ 785,00
FOLPUM	PUMA 1.7 MEC	€ 785,00
FOLKA	KA	€ 82,00
<b>PEUGEOT</b>		
FOLMi16H	1.9 / 2.0 MI16 16V HYD	€ 455,00
FOLMi16M	1.9 / 2.0 MI16 16V MEC	€ 785,00
FOLGTI6H	306 GTI6 HYD	€ 455,00
FOLGTI6M	306 GTI6 MEC	€ 785,00
FOLP13	205/106 1.3/1.4	€ 303,00
FOLP16	205/309 1.6/1.9	€ 274,00
FOLP206M	206 GTI MEC	€ 785,00
<b>RENAULT</b>		
FOLCLIOH	CLIO 16V HYD	€ 455,00
FOLCLIOM	CLIO 16V MEC	€ 785,00

PART NO.	DESCRIPTION	€
<b>ROVER</b>		
FOLAHR	HEALEY 3000 RACE	€ 319,00
FOLB	POST '71 B SERIES	€ 68,00
FOLB2	PRE '71 B SERIES	€ 116,00
FOLKH	K SERIES HYD	€ 455,00
FOLKM	K SERIES MEC	€ 785,00
FOLMIN	A SERIES	€ 68,00
FOLKV6H	K SERIES V6 HYD	€ 682,00
FOLKV6M	K SERIES V6 MEC	€ 1 178,00
FOLTH	T SERIES HYD	€ 455,00
FOLTM	T SERIES MEC	€ 785,00
FOLV8	ROVER V8 HYD	€ 251,00
FOLV8M	ROVER V8 MEC	€ 261,00
<b>TRIUMPH</b>		
FOLT	1.2/1.3/1.5 4 CYL	€ 100,00
FOLT6	2.0/2.5 6 CYL	€ 149,00
<b>VAUXHALL</b>		
FOLOP	1.6/1.9/2.0 CIH MEC	€ 172,00
FOLOP6	2.5/3.0 MONZA CIH 6CYL MEC	€ 258,00
FOLAST	ASTRA 1.3/1.8 FWD	€ 202,00
FOLASTM	ASTRA FWD WITH ADJ HOLES	€ 226,00
FOLAST16H	ASTRA 2.0 16V HYD	€ 455,00
FOLAST16M	ASTRA 2.0 16V MEC	€ 785,00
<b>VOLKSWAGEN</b>		
FOLVWH	1.3/1.4/1.6/1.8/2.0 HYD	€ 227,00
FOLVW16H	16V HYD	€ 455,00
FOLVW16M	16V MEC	€ 785,00
FOLVR6H	VR6 HYD	€ 340,00
<b>SHIM KITS</b>		
SHIM3	SET OF 16 x 3mm THICK SHIMS	€ 93,00
SHIM4	SET OF 16 x 4mm THICK SHIMS	€ 93,00
SHIM5	SET OF 16 x 5mm THICK SHIMS	€ 93,00
SHIM6	SET OF 16 x 6mm THICK SHIMS	€ 93,00

PLEASE QUOTE VALVE STEM DIAMETER WHEN ORDERING

# VERNIER PULLEYS

PART NO.	DESCRIPTION	MATERIAL	PRICE
<b>AUDI</b>			
PULDAUD	AUDI 4 CYL	ALLOY	€ 215,00
PULDAUD5	AUDI 5 CYL	ALLOY	€ 215,00
<b>CITROEN</b>			
PULDVTR	SAXO VTR	ALLOY	€ 215,00
PULDVTR2	LATE SAXO VTR	ALLOY	€ 215,00
PULDVTS	PAIR SAXO VTS 16V	ALLOY	€ 351,00
<b>FIAT</b>			
PULDUNO	UNO TURBO/PUNTO GT	ALLOY	€ 215,00
PULDX19	X19 / 128 1300/1500 SOHC	ALLOY	€ 215,00
PULDFTC	PAIR 1.6/1.8/2.0 TWIN CAM	ALLOY	€ 351,00
PULDFIRE	FIAT FIRE	ALLOY	€ 215,00
<b>FORD</b>			
PULDOHC	OHC 1.6/2.0 PINTO	ALLOY	€ 176,00
PULDCVH	CVH 1.3/1.6	ALLOY	€ 176,00
PULSXF	XFLOW DUPLEX KIT	STEEL	€ 184,00
PULDCOS	PAIR COSWORTH 16V	ALLOY	€ 333,00
PULZETA	PAIR ZETEC 16V	ALLOY	€ 333,00
PULSDUR	PAIR DURATEC 16V	STEEL	€ 239,00
PULDFOC	PAIR FOCUS 1.6 16V	ALLOY	€ 346,00
PULDPUM	PUMA 1.7 16V	ALLOY	€ 210,00
<b>HONDA</b>			
PULDVTEC	PAIR VTEC 16V	ALLOY	€ 351,00
<b>HYUNDAI</b>			
PULDHYN	HYUNDAI ACCENT	ALLOY	€ 215,00
<b>MITSUBISHI</b>			
PULDMITS	MITSUBISHI EVO 4/5/6/7/8	ALLOY	€ 375,00
<b>NISSAN</b>			
PULSSR20	PULSAR GTIR	STEEL	€ 333,00

\*\* = These pulleys do not have sensor pick-ups, therefore are only recommended for vehicles with an aftermarket ecu, triggered from else where.

# PIPER CAMS

PART NO.	DESCRIPTION	MATERIAL	PRICE
<b>PEUGEOT</b>			
PULDMI16	PAIR MI16	ALLOY	€ 338,00
PULD205	106 1.4 & 205 1.3/1.6/1.9 GTI	ALLOY	€ 210,00
PULD306TD	306 1.9 TURBO DIESEL	ALLOY	€ 210,00
PULDXSI	2.0 8v XSi	ALLOY	€ 210,00
PULDGTI6**	PAIR 306 GTI6 16V	ALLOY	€ 338,00
PULD206	206 GTI	ALLOY	€ 338,00
<b>PORSCHE</b>			
PULDPOR	PORSCHE 924	ALLOY	€ 210,00
<b>RENAULT</b>			
PULSR5	REN 5 GT TURBO	STEEL	€ 189,00
PULDCLIO	PAIR CLIO 16V	ALLOY	€ 348,00
<b>ROVER</b>			
PULSMIN	A SERIES DUPLEX KIT	STEEL	€ 184,00
PULSB	B SERIES DUPLEX KIT	STEEL	€ 184,00
PULSBS	B SERIES CAM SPROCKET	STEEL	€ 144,00
PULSV8	V8 DUPLEX KIT	STEEL	€ 210,00
PULDK	PAIR K SERIES	ALLOY	€ 338,00
PULDT	PAIR T SERIES	ALLOY	€ 338,00
PULDKV6	PR K-SERIES V6 (REAR ONLY)	ALLOY	€ 338,00
<b>TOYOTA</b>			
PULD3SG	TOYOTA 3SGE / 3SGTE (EARLY 2006)	ALLOY	€ 338,00
<b>VAUXHALL</b>			
PULSOPS	1.6/1.9/2.0 C.I.H. SPROCKETS	STEEL	€ 184,00
PULSOP	1.6/1.9/2.0 C.I.H. DUPLEX KIT	STEEL	€ 210,00
PULDA13	1.3 ASTRA / NOVA	ALLOY	€ 194,00
PULDGTE	1.4/1.6 GTE (ROUND TOOTH)	ALLOY	€ 194,00
PULDA18	1.6/2.0 ASTRA / CAVALIER	ALLOY	€ 194,00
PULDA20	PAIR ASTRA 2.0 16V 20XE	ALLOY	€ 351,00
PULDECO	PAIR ECOTEC 16V	ALLOY	€ 351,00
PULDCOR**	PAIR CORSA 16V	ALLOY	€ 351,00
<b>VOLKSWAGEN</b>			
PULDGTI	GOLF 1.6/1.8/2.0 & G60	ALLOY	€ 210,00
PULDV16	GOLF 16V EXTERNAL PULLEY	ALLOY	€ 210,00

**COMPETITION CAM BELTS**

PART NO.	DESCRIPTION	PRICE
<b>CITROEN</b>		
TBP27	CITROEN SAXO VTS 1.6 16V	€ 69,00
TBP12	CITROEN SAXO 1.4 & 1.6 VTR	€ 45,00
<b>FIAT</b>		
TBP1	FIAT UNO TURBO 1.3 & SOHC 1.5	€ 45,00
TBP2	FIAT UNO TURBO 1.4	€ 45,00
TBP3	FIAT 2.0 TWIN CAM	€ 45,00
<b>FORD</b>		
TBP4	FORD CVH 1.4/1.6	€ 45,00
TBP5	FORD CVH 1.1/1.3	€ 45,00
TBP6	FORD SOHC 1.6 NOT SIERRA 1.6 E.MAX	€ 45,00
TBP7	FORD SOHC 1.8/2.0	€ 45,00
TBP8	FORD ZETEC 16V 1.6/1.8	€ 69,00
TBP30	FORD FOCUS 1.6/2.0 16v	€ 69,00
TBP31	FORD FOCUS 1.4/ PUMA 1.7 16v	€ 69,00
TBP9	FORD COSWORTH 16v	€ 69,00
TBP37	BDA	€ 69,00
<b>HONDA</b>		
TBP32	HONDA 1.6 VTEC	€ 69,00
<b>MINI</b>		
TBP34	MINI COOPER 1.6 16V	€ 69,00
<b>MITSUBISHI</b>		
TBP34	MITSUBISHI EVO 4 / 5 / 6 ONLY	€ 69,00
<b>PEUGEOT</b>		
TBP10	PEUGEOT 1.0/1.1/1.3 RALLY	€ 45,00
TBP11	PEUGEOT 106 XR/XRT & 205 1360cc	€ 45,00
TBP12	PEUGEOT 106 Xsi 1.4 / 306 1.6 & 106 RALLYE	€ 45,00
TBP13	PEUGEOT GTI 1.6/1.9 TO 01-92	€ 45,00
TBP14	PEUGEOT GTI 1.6/1.9 01-92 ON / 2.0 8v XSi	€ 45,00
TBP15	PEUGEOT 1.9 MI16	€ 69,00
TBP27	PEUGEOT 2.0 MI16	€ 69,00
TBP28	PEUGEOT 306 S16 16V 1996-ON / GTI 6	€ 69,00
<b>RENAULT</b>		
TBP16	RENAULT 19 / CLIO 16V 1.8	€ 69,00
<b>ROVER</b>		
TBP17	ROVER K SERIES 1.4/1.6/1.8 16V	€ 69,00
TBP33	ROVER K SERIES 1.8 16V 'Nov 98-on	€ 69,00

PART NO.	DESCRIPTION	PRICE
<b>SUBARU</b>		
TBP26	SUBARU IMPREZA TURBO	€ 120,00
<b>VAUXHALL</b>		
TBP18	VAUX 1.3 1980 ON	€ 45,00
TBP19	VAUX 1.4/1.6 UP TO 91 (104 TOOTH)	€ 45,00
TBP20	VAUX 1.4/1.6 91-ON (111 TOOTH)	€ 45,00
TBP21	VAUX ASTRA/CAV 1.6/1.8/2.0 J SERIES	€ 45,00
TBP22	VAUX ASTRA/CAV 2.0 16V UP TO 1992	€ 69,00
TBP35	VAUX ASTRA/CAV 2.0 16V 1993 ON	€ 69,00
TBP36	VAUX ECOTEC 2.0 16V	€ 69,00
<b>VOLKSWAGEN</b>		
TBP23	VOLKSWAGEN GOLF 1.5, 1.6 & 1.8 GTI	€ 45,00
TBP24	VOLKSWAGEN GOLF 2.0 8V	€ 45,00
TBP25	VOLKSWAGEN GOLF 1.8 16V	€ 69,00
TBP29	VOLKSWAGEN GOLF 2.0 16V 93-96	€ 69,00

**MISCELLANEOUS ITEMS**

ASTADJH	ASTRA HYDRAULIC ADJUSTERS	€ 149,00
ASTADJM	ASTRA MECHANICAL ADJUSTERS	€ 678,00
BSTUD	FORD SOHC BALL STUDS	€ 45,00
DISC	TIMING DISC	€ 13,00
LUBE	BOTTLE OF CAM LUBE	€ 11,00
MINKEY	A SERIES OFFSET KEYS	€ 51,00
PLATES	K SERIES VVC CONVERSION PLATE KIT	€ 229,00
PULDAUX	FORD SOHC ALLOY AUX DRIVE PULLEY	€ 88,00
PULXFC	FORD XFLOW CRANK PULLEY	€ 88,00
SBAR	FORD SOHC SPRAY BAR	€ 21,00
SSCVH	CVH COMBINED SPRING SEATS & SEALS	€ 47,00
TCOP	OPEL CIH DUPLEX TIMING CHAIN	€ 39,00
TCMIN	A SERIES DUPLEX TIMING CHAIN	€ 39,00
TCV8	ROVER V8 DUPLEX TIMING CHAIN	€ 39,00
TCXF	FORD XFLOW DUPLEX TIMING CHAIN	€ 39,00
VSOOHC	FORD SOHC VALVE STEM OIL SEALS	€ 16,00
XFDOW	FORD XFLOW OFFSET DOWELS	€ 66,00
COSWASH	5mm THRUST SPACER	€ 16,00
VSODUR	DURATEC OIL SEALS	€ 82,00
ROTOR	K SERIES ROTOR ARM ATTACHMENT	€ 40,00

# VALVE SPRINGS & SPRING KITS

**PIPER CAMS**

PART NO.	APPLICATION	CAPS	SEATS	SEALS	TYPE	RATE	NOMINAL I.D.	NOMINAL O.D.	INSTALLED LENGTH	CRUSH HEIGHT	PRICE
<b>CITROEN</b>											
VSSVTR	SAXO VTR (ROLLER TYPE)				SINGLE	233 lb	20.00mm	28.00mm	37.50 mm	24.80 mm	€ 90,00
VSSVTR2	SAXO VTR (NON - ROLLER TYPE)				SINGLE	276 lb	20.10mm	28.30mm	40.74 mm	25.01 mm	€ 90,00
VDSVTS	SAXO VTS 16V	KIT	SC18	YES	DOUBLE	259 lb	13.50mm	25.10mm	37.20 mm	20.46 mm	€ 475,00
<b>FIAT</b>											
VDSFTC	TWIN CAM 8V				DOUBLE	278 lb	18.05 mm	31.65 mm	37.10 mm	20.30 mm	€ 152,00
VDSPUN	PUNTO GT TURBO				DOUBLE	278 lb	18.05 mm	31.65 mm	37.10 mm	20.30 mm	€ 152,00
<b>FORD</b>											
VSSF	XFLOW				SINGLE	246 lb	20.10 mm	27.90 mm	34.00 mm	21.94 mm	€ 74,00
VDSF2	XFLOW	KIT	SC9	YES	DOUBLE	264 lb	18.35 mm	31.70 mm	32.10 mm	20.00 mm	€ 141,00
VDSFR	XFLOW RACE	KIT	SC9		DOUBLE	278 lb	18.05 mm	31.65 mm	36.83 mm	20.30 mm	€ 165,00
VDSFBPR	XFLOW RACE				DOUBLE	312 lb	15.20 mm	27.70 mm	34.00 mm	18.64 mm	€ 144,00
VSSOHC	OHC				SINGLE	240 lb	22.30 mm	30.50 mm	36.80 mm	22.26 mm	€ 104,00
VDSOHC	OHC RACE				DOUBLE	276 lb	18.05 mm	31.65 mm	37.50 mm	20.30 mm	€ 154,00
VSSCVH	CVH	KIT		YES	YES	SINGLE	275 lb	23.3 mm	32.00 mm	37.10 mm	€ 141,00
VDSCVH2	CVH	KIT	SC34	YES	YES	DOUBLE	290 lb	18.35 mm	32.45 mm	37.10 mm	€ 236,00
VSSV6	V6 3L ESSEX				SINGLE	232 lb	23.95 mm	32.45 mm	38.85 mm	23.16 mm	€ 108,00
VSSV6G	V6 2.8 COLOGNE				SINGLE	200 lb	25.20 mm	33.90 mm	40.00 mm	25.88 mm	€ 108,00
VSSZETA	ZETEC 16V 1.6/1.8/2.0 HYD				SINGLE	242 lb	18.08 mm	25.60 mm	37.20 mm	23.50 mm	€ 205,00
VDSCOS	COSWORTH 16V				DOUBLE	312 lb	15.20 mm	27.70 mm	34.00 mm	18.64 mm	€ 306,00
VSSDUR	DURATEC	KIT	SC20		SINGLE	242 lb	18.08 mm	25.6 mm	37.00 mm	23.50 mm	€ 303,00
VDSDUR	DURATEC	KIT	SC22	YES	YES	DOUBLE	297 lb	15.50 mm	28.50 mm	38.00 mm	€ 306,00
VSSFOC16	FOCUS 1.6 16V	KIT	SC24		SINGLE	225 lb	16.00 mm	22.74 mm	38.00 mm	23.00 mm	€ 559,00
VSSZETA34	FOCUS 2.0 16V	KIT	SC11		SINGLE	171lb	18.00 mm	25.00 mm	34.00 mm	24.00 mm	€ 306,00
VSSRS2	RS2000 16v				SINGLE	242 lb	18.08 mm	25.60 mm	37.20 mm	23.50 mm	€ 205,00
<b>HONDA</b>											
VDSVTEC	VTEC 16V				DOUBLE	263 lb	16.70 mm	29.10 mm	34.00 mm	19.98 mm	€ 303,00
<b>MITSUBISHI</b>											
VSSMITS	EVO 4 / 5 / 6 / 7	KIT	SC21		SINGLE	276 lb	20.10 mm	28.30 mm	41.00 mm	25.01 mm	€ 348,00
VSSMITS8	EVO 8	KIT	SC31		SINGLE	276 lb	20.10 mm	28.30 mm	41.00 mm	25.01mm	€ 348,00
<b>PEUGEOT</b>											
VSSP13	PEUGEOT 1360cc				SINGLE	240 lb	21.80 mm	30.00 mm	38.50 mm	23.21 mm	€ 85,00
VDSP16	PEUGEOT 1.6/1.9 RACE	KIT	SC35	YES	DOUBLE	286 lb	18.80 mm	33.00 mm	39.00 mm	21.92 mm	€ 306,00
VDSP306	PEUGEOT 306 GTI 6	KIT	SC14		DOUBLE	312 lb	15.20 mm	27.70 mm	34.00 mm	18.64 mm	€ 419,00
VDSMI16	PEUGEOT MI 16	KIT	SC26		DOUBLE	275 lb	15.60 mm	28.50 mm	37.00 mm	22.27 mm	€ 459,00
VSSP206A	PEUGEOT 206 GTI - SUIT HYD LIFTERS	KIT	SC27		SINGLE	242 lb	18.08 mm	25.60 mm	37.20 mm	23.50 mm	€ 306,00
VSSP206B	PEUGEOT 206 GTI - SUIT MEC LIFTERS	KIT	SC28		SINGLE	242 lb	18.08 mm	25.60 mm	37.20 mm	23.50 mm	€ 306,00

**VALVE SPRINGS & SPRING KITS (CONT)****PIPER CAMS**

PART NO.	APPLICATION	CAPS	SEATS	SEALS	TYPE	RATE	NOMINAL I.D	NOMINAL O.D	INSTALLED LENGTH	CRUSH HEIGHT	PRICE
<b>RENAULT</b>											
VSSR5	5 GT TURBO				SINGLE	162 lb	21.70 mm	29.10 mm	34.00 mm	22.03 mm	€ 85,00
VDSMEG	MEGAN / CLIO 16V	KIT	SC29		DOUBLE	301 lb	16.00 mm	30.50 mm	38.50 mm	22.26 mm	€ 378,00
<b>ROVER</b>											
VDSMIN2	A SERIES				DOUBLE	223 lb	16.00 mm	29.10 mm	35.00 mm	22.02 mm	€ 84,00
VDSMINR	A SERIES FULL RACE				DOUBLE	312 lb	15.20 mm	27.70 mm	34.00 mm	18.64 mm	€ 144,00
VSSB	B SERIES				SINGLE	240 lb	21.80 mm	30.00 mm	38.00 mm	23.21 mm	€ 74,00
VDSB2	B SERIES				DOUBLE	228 lb	18.60 mm	33.20 mm	38.00 mm	23.78 mm	€ 84,00
VSSV8	ROVER V8				SINGLE	246 lb	22.25 mm	30.75 mm	40.40 mm	25.29 mm	€ 200,00
VTSV8	ROVER V8				TRIPLE	282 lb	16.30 mm	31.05 mm	38.00 mm	21.59 mm	€ 279,00
VDSAH6	HEALEY 3000				DOUBLE	286 lb	18.80 mm	33.00 mm	39.00 mm	21.92 mm	€ 229,00
VSSK	K SERIES 16V				SINGLE	242 lb	18.08 mm	25.60 mm	37.20 mm	23.50 mm	€ 205,00
VDSK	K SERIES 16V				DOUBLE	258 lb	13.50 mm	25.10 mm	37.20 mm	20.46 mm	€ 282,00
VSSKV6	K SERIES V6 24V				SINGLE	242 lb	18.08 mm	25.60mm	37.20 mm	23.50 mm	€ 307,00
VDSKV6	K SERIES V6 24V				DOUBLE	258 lb	13.50mm	25.10mm	37.20 mm	20.46 mm	€ 423,00
<b>TOYOTA</b>											
VSS3SG	TOYOTA 2.0 16V 3SGE & 3SGTE				SINGLE	197 lb	20.60 mm	27.70 mm	32.50 mm	18.64 mm	€ 205,00
VDS3SG	TOYOTA 2.0 16V 3SGE & 3SGTE				DOUBLE	280 lb	15.20 mm	27.70 mm	34.00 mm	18.64 mm	€ 306,00
<b>TRIUMPH</b>											
VSSTR4	1500 SPITFIRE				SINGLE	246 lb	20.10 mm	27.90 mm	35.00 mm	21.94 mm	€ 74,00
VSSTR6	TR6				SINGLE	246 lb	20.10 mm	27.90 mm	35.00 mm	21.94 mm	€ 112,00
VDSTR6	TR6				DOUBLE	277 lb	20.19 mm	29.10 mm	35.00 mm	22.02 mm	€ 176,00
<b>VAUXHALL</b>											
VSSAST13	ASTRA / NOVA 1.3				SINGLE	197 lb	20.60 mm	27.70 mm	32.50 mm	18.64 mm	€ 108,00
VSSAST18	ASTRA / CAV 1.6 / 1.8				SINGLE	160 lb	25.00 mm	33.20 mm	38.00 mm	23.78 mm	€ 108,00
VSSAST16V	ASTRA 16V				SINGLE	246 lb	20.10 mm	27.90 mm	34.00 mm	21.94 mm	€ 205,00
VDSAST16V	ASTRA 2.0 16V	KIT	SC17		DOUBLE	267 lb	15.20 mm	27.70 mm	34.00 mm	18.64 mm	€ 418,00
VSSOP	C.I.H. 1.6 / 1.9 / 2.0	KIT		YES	SINGLE	251 lb	25.00 mm	34.00 mm	40.00 mm	26.55 mm	€ 141,00
VDSCOR	CORSA 16V	KIT	SC16		DOUBLE	267 lb	15.20 mm	27.70 mm	34.00 mm	18.64 mm	€ 418,00

## VALVE SPRING CAPS - STEEL

PART NO	DESCRIPTION	PRICE
<b>CITROEN</b>		
SC18	SAXO VTS 16v (Suit VDSVTS springs)	€ 121,00
SC30	SAXO VTR (Suit VSSVTR springs)	€ 74,00
<b>FORD</b>		
SC7	COSWORTH (Suit VDSCOS springs)	€ 121,00
SC33	COSWORTH LONG VALVE	€ 121,00
SC34	CVH (Suit VDSCVH2 springs)	€ 74,00
SC8A	OHC (Suit VSSOHC springs)	€ 74,00
SC8B	OHC (Suit VDSOHCRCR springs)	€ 74,00
SC9	XFLOW (Suit VDSF2 / VDSFR springs)	€ 74,00
SC10	XFLOW (Suit VDSFBPR springs)	€ 74,00
SC11	ZETEC 16v (Suit VSSZETA / VSSZETA34 springs)	€ 121,00
SC32**	ZETEC 16v (Suit VSSZETA / VSSZETA34 springs)	€ 121,00
SC20	DURATEC 16v (Suit VSSDUR springs)	€ 121,00
SC22	DURATEC 16v (Suit VDSDUR springs)	€ 121,00
SC24	FOCUS 1.6 16v (Suit VSSFOC springs)	€ 121,00
<b>HONDA</b>		
SC12	VTEC (Suit VDSVTEC springs)	€ 121,00
<b>MINI</b>		
<b>MITSUBISHI</b>		
SC21	EVO 4 / 5 / 6 / 7 (Suit VSSMITS springs)	€ 121,00
SC31	EVO 8 (Suit VSSMITS8 springs)	€ 121,00
<b>PEUGEOT</b>		
SC14	306 16v (Suit VDSP306 springs)	€ 121,00
SC26	MI16 (Suit VDSMI16 springs)	€ 121,00
SC27	206 GTI (As SC28 expect to suit hyd buckets)	€ 121,00
SC28	206 GTI (Suit VSSP206 springs)	€ 121,00
SC35	205 GTI (Suit VDSP16 springs)	€ 74,00
<b>RENAULT</b>		
SC29	MEGANE / CLIO (Suit VDSMEG springs)	€ 121,00

\*\* NOTE : To suit single groove valve stem

PART NO	DESCRIPTION	PRICE
<b>ROVER</b>		
SC1	A SERIES (Suit VDSMINR springs)	€ 74,00
SC3	K SERIES (Suit VSSK & VDSK springs)	€ 121,00
SC19	K SERIES (As SC3 except to suit hyd buckets)	€ 121,00
SC23	KV6 (Suit VSSKV6 & VDSKV6 springs)	€ 181,00
SC25	KV6 (As SC23 except to suit hyd buckets)	€ 181,00
<b>VAUXHALL</b>		
SC16	CORSA 16v (Suit VDSCOR springs)	€ 121,00
SC17	ASTRA 2.0 16v (Suit VDSAST16V springs)	€ 121,00

## VALVE SPRING CAPS - TITANIUM

NOTE : ALL TITANIUM VALVE SPRING RETAINERS ARE PLASMA NITRIDED

<b>FORD</b>		
SC7T	COSWORTH (Suit VDSCOS springs)	€ 545,00
<b>MITSUBISHI</b>		
SC21T	EVO 4 / 5 / 6 / 7 (Suit VSSMITS springs)	€ 545,00
SC31T	EVO 8 (Suit VSSMITS8 springs)	€ 545,00

ANY SPRING CAP FROM OUR RANGE CAN BE PRODUCED IN TITANIUM, PLEASE SEE BELOW FOR PRICES:

ANY 8V ENGINE	€ 306,00
ANY 16V ENGINE	€ 545,00
ANY 24V ENGINE	€ 819,00

TO ORDER SUFFIX THE RELAVANT PART NUMBER WITH 'T'

## CAM KITS WITH POWER CHIPS

High performance engines require adjustments to be made to the fueling and ignition to get the best from the performance camshaft. With many engines now fitted with 'electronic' controls even more performance is available if the microprocessor (chip) is also re-programmed.

For this reason we have introduced a range of cam kits which include a modified chip.

PART NO.	DESCRIPTION	BHP IMPROVEMENT	PRICE
KBBMW270S	BMW E36 318I M40 ENGINE	15 BHP	€ 878,00
KBCVH285S	FORD ESCORT / ORION CVH 1.6I	15 BHP	€ 854,00
KBCVH285T2S	FORD RS TURBO ESCORT / FIESTA	55 BHP	€1 482,00
KBZETEC270S	FORD ESCORT / FIESTA 16V ZETEC	18 BHP	€1 027,00
KBP16270S	PEUGEOT 205 GTI	20 BHP	€1 088,00
KBR16V270RS **	RENAULT 19 / CLIO 16V	18 BHP	€ 628,00
KBR16V270S	RENAULT 19 / CLIO 16V	18 BHP	€1 370,00
KBV18270S	VAUXHALL 2.0 8V	15 BHP	€ 936,00
KBV16V270S	VAUXHALL 2.0 16V	18 BHP	€1 229,00
KBVG285HS	VOLKSWAGEN GOLF GTI 8V	18 BHP	€ 934,00
KBVG60285S	VOLKSWAGEN GOLF G60 <small>includes 68mm s/charger pulley</small>	50 BHP	€1 434,00

\*\* = CUSTOMER'S CAMS REQUIRED TO REPROFILE

**We also offer the full range of normal superchips for use in standard engines. In the majority of cases the price is €€€, phone for details.**

# CAMSHAFTS HONDA

**PIPER CAMS**

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	Price €
		Inl	Exh	Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	with clearance 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	351 Repro
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	351 Repro
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	351 Repro
PH14	CBR600 RR 2006 SUPERSPORT	AVAILABLE EARLY 2006										351 Repro		
PH10	CBR600 RR 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	351 Repro
PH1	CBR900RR 893cc N - S 1992 - 1995 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	351 Repro
PH1	CBR900RR 919cc T - X 1996 - 1999 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	351 Repro
PH1	CBR900RR 929cc Y 2000 - 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	351 Repro
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	351 Repro
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	1224 Billet
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	351 Repro
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	351 Repro
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	351 Repro
PH4	CBR1100 XX 1997 - 1998 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	351 Repro
PH4	CBR1100 XX 1999 - 2002 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	351 Repro

## KAWASAKI

Valve lifts quoted assume a rocker ratio of 1:1

PK1	ZX6 R F1 - 3 1995 - 1998 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	351 Repro
PK1	ZX6 R G1 - 2 1998 - 2000 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	351 Repro
PK1	ZX6 R J1 - 2 2001 - 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	351 Repro
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	351 Repro
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	351 Repro
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	351 Repro
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	1170 Billet

**CAMSHAFTS KAWASAKI (CONT)****PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1:1

\*\* Valve lifts quoted assume a rocker ratio of 1.3:1

Part No.	Application	Duration @ 1mm		Cam Lift		Valve Lift		Timing	Full Lift		Lift @ TDC with clearance		Valve Clearance	Price €	
		Inl	Exh	Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl	Exh			
PK5**	ZX9 R 1994	TRACK DAY / ROAD	263 deg	258 deg	.266" 6.76mm	.254" 6.45mm	.347" 8.81mm	.333" 8.46mm	41 - 71 68 - 38	105 deg	105 deg	.174" 4.42mm	.164" 4.17mm	.008" / .20mm .010" / .25mm	351 Repro
PK5**	ZX9 R 1995 - 1997	TRACK DAY / ROAD	263 deg	258 deg	.266" 6.76mm	.254" 6.45mm	.347" 8.81mm	.333" 8.46mm	41 - 71 68 - 38	105 deg	105 deg	.174" 4.42mm	.164" 4.17mm	.008" / .20mm .010" / .25mm	351 Repro
PK6	ZX9 R 1998 - 1999	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	351 Repro
PK6	ZX9 R 2000 - 2002	TRACK DAY / RACE	245 deg	242 deg	.392" 9.93mm	.380" 9.65mm	.384" 9.75mm	.370" 9.40mm	22 - 45 45 - 17	102 deg	104 deg	.121" 3.07mm	.108" 2.74mm	.008" / .20mm .010" / .25mm	351 Repro
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	351 Repro
PK7	ZX12 R 2000 - 2001	STREET / KIT CAR	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	351 Repro
PK7	ZX12 R 2002 On	STREET / KIT CAR	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	351 Repro

**SUZUKI**

Valve lifts quoted assume a rocker ratio of 1:1

PS1	GSX R600 WV 1996 - 1997	TRACK DAY / RACE	243 deg	218 deg	.343" 8.71mm	.290" 7.36mm	.335" 8.51mm	.280" 7.11mm	20 - 44 32 - 43	102 deg	104 deg	.111" 2.82mm	.055" 1.40mm	.008" / .20mm .010" / .35mm	351 Repro
PS1	GSX R600 WW - WY 1998 - 2000	TRACK DAY / RACE	243 deg	218 deg	.343" 8.71mm	.290" 7.36mm	.335" 8.51mm	.280" 7.11mm	21 - 44 32 - 43	102 deg	104 deg	.111" 2.82mm	.055" 1.40mm	.008" / .20mm .010" / .35mm	351 Repro
PS2	GSX R600 K1 - 2 2001 - 2002	TRACK DAY / RACE	250 deg	230 deg	.350" 8.89mm	.314" 7.98mm	.342" 8.69mm	.304" 7.72mm	23 - 47 41 - 9	102 deg	106 deg	.126" 3.20mm	.071" 1.88mm	.008" / .20mm .010" / .35mm	351 Repro
PS2	GSX R600 K3 2003	TRACK DAY / RACE	250 deg	230 deg	.350" 8.89mm	.314" 7.98mm	.342" 8.69mm	.304" 7.72mm	24 - 47 41 - 9	102 deg	106 deg	.126" 3.20mm	.071" 1.88mm	.008" / .20mm .010" / .35mm	351 Repro
PS3	GSX R600 K1 - 3 2001 - 2003	SUPERSPORT	248 deg	237 deg	.337" 8.56mm	.285" 7.24mm	.330" 8.38mm	.278" 7.06mm	22 - 46 39 - 19	102 deg	100 deg	.126" 3.20mm	.103" 2.62mm	.006" / .15mm .008" / .20mm	351 Repro
PS16	GSX R600 K6 2006	SUPERSPORT	AVAILABLE EARLY 2006												351 Repro
PS4	GSX R750 WW - WX 1998 - 1999	TRACK DAY / RACE	248 deg	238 deg	.376" 9.55mm	.342" 8.69mm	.368" 9.35mm	.330" 8.38mm	22 - 46 45 - 13	102 deg	106 deg	.127" 3.23mm	.085" 2.16mm	.008" / .20mm .012" / .30mm	351 Repro
PS5	GSX R750 K1 2000 - 2001	TRACK DAY / RACE	251 deg	237 deg	.392" 9.96mm	.355" 9.02mm	.384" 9.75mm	.345" 8.76mm	23 - 47 44 - 12	102 deg	106 deg	.132" 3.35mm	.086" 2.18mm	.008" / .20mm .010" / .25mm	351 Repro
PS5	GSX R750 K2 2002	TRACK DAY / RACE	251 deg	237 deg	.392" 9.96mm	.355" 9.02mm	.384" 9.75mm	.345" 8.76mm	23 - 47 44 - 12	102 deg	106 deg	.132" 3.35mm	.086" 2.18mm	.008" / .20mm .010" / .25mm	351 Repro
PS5	GSX R750 K3 2003	TRACK DAY / RACE	251 deg	237 deg	.392" 9.96mm	.355" 9.02mm	.384" 9.75mm	.345" 8.76mm	23 - 47 44 - 12	102 deg	106 deg	.132" 3.35mm	.086" 2.18mm	.008" / .20mm .010" / .25mm	351 Repro
PS10	GSX R750 K	TRACK DAY / 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	351 Repro
PS6	GSX R1000 K1 2001 - 2002	TRACK DAY / RACE	248 deg	238 deg	.376" 9.55mm	.340" 8.64mm	.368" 9.35mm	.330" 8.38mm	20 - 48 45 - 13	104 deg	106 deg	.118" 3.00mm	.087" 2.21mm	.008" / .20mm .010" / .25mm	351 Repro
PS6	GSX R1000 K2 2002	TRACK DAY / RACE	248 deg	238 deg	.376" 9.55mm	.340" 8.64mm	.368" 9.35mm	.330" 8.38mm	20 - 48 45 - 13	104 deg	106 deg	.118" 3.00mm	.087" 2.21mm	.008" / .20mm .010" / .25mm	351 Repro
PS15	GSX R1000 K2 2002	TRACK DAY / RACE	250 deg	230 deg	.350" 8.89mm	.312" 7.92mm	.342" 8.68mm	.302" 7.67mm	20 - 50 40 - 10	105 deg	105 deg	.115" 2.92mm	.075" 1.90mm	.008" / .20mm .010" / .25mm	351 Repro 1330 Blank
PS6	GSX R1000 K3 2003	TRACK DAY / RACE	248 deg	238 deg	.376" 9.55mm	.340" 8.64mm	.368" 9.35mm	.330" 8.38mm	20 - 48 45 - 13	104 deg	106 deg	.118" 3.00mm	.087" 2.21mm	.008" / .20mm .010" / .25mm	351 Repro
PS7	GSX R1000 K3 2003	RACE	251 deg	237 deg	.392" 9.96mm	.355" 9.02mm	.384" 9.75mm	.345" 8.76mm	23 - 47 42 - 14	102 deg	104 deg	.132" 3.35mm	.093" 2.36mm	.008" / .20mm .010" / .25mm	351 Repro 1330 Blank
PS11	GSX R1000 K1 - 4	RACE	255 deg	240 deg	.405" 10.28mm	.338" 8.58mm	.397" 10.08mm	.328" 8.33mm	23 - 53 45 - 15	105 deg	105 deg	.125" 3.18mm	.093" 2.36mm	.008" / .20mm .010" / .25mm	351 Repro 1330 Blank

# CAMSHAFTS SUZUKI (CONT)

**PIPER CAMS**

Valve lifts quoted assume a rocker ratio of 1:1

Part No.	Application	Duration @ 1mm		Cam Lift		Valve Lift		Timing	Full Lift		Lift @ TDC with clearance		Valve Clearance	Price €
		Inl	Exh	Inl	Exh	Inl	Exh		Inl ATDC	Exh BTDC	Inl	Exh		
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	1330 Blank
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	351 Repro 1330 Blank
PS12	GSX R1000 K5 2005 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	1330 Blank
PS8	GSX R1300 1999 - 2003 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	351 Repro
PS9	GSX 1400 K2 2002 STREET / KIT CAR	226 deg	212 deg	.315" 8.00mm	.277" 7.03mm	.307" 7.80mm	.267" 6.78mm	8 - 38 31 - 1	105 deg	105 deg	.069" 1.75mm	.043" 1.10mm	.008" / .20mm .010" / .25mm	351 Repro

## YAMAHA

Valve lifts quoted assume a rocker ratio of 1:1

PY5	YZF R6 1999 - 2002 TRACK DAY / 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	351 Repro
PY6	YZF R6 INJ 2003 TRACK DAY / 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	351 Repro
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	351 Repro
PY10	YZF R6 INJ 2006 SUPERSPORT	AVAILABLE EARLY 2006											351 Repro	
PY1 B	FSZ 1000 FAZER 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	1224 Billet
PY1 A / B / C	YZF R1 1998 - 2002 / INJ 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	1224 Billet
PY2 A / B / C	YZF R1 1998 - 2002 / INJ 2003 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	1224 Billet
PY3 A / B / C	YZF R1 1998 - 2002 / INJ 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	1224 Billet
PY4C	YZF R1 INJ 2003 SUPER BIKE	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	1224 Billet
PY8	YZF R1 INJ 2004 ON STREET / TRACK DAY	AVAILABLE EARLY 2006											1224 Billet	
PY9	YZF R1 INJ 2004 ON TRACK DAY / RACE	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	1224 Billet

## MOTORCYCLE VERNIER PULLEYS

PART NO.	DESCRIPTION	MATERIAL	PRICE
<b>HONDA</b>			
PULMH6F23	CBR600 F2 / 3 1991 - 1998 SPROCKET	STEEL	€ 106,00
PULMH6F4	CBR600 F4 1999 - 2002 SPROCKET	STEEL	€ 106,00
PULMH6RR	CBR600 RR 2003 On SPROCKET	STEEL	€ 106,00
PULMH900	CBR900 RR 1992 - 1999 SPROCKET	STEEL	€ 106,00
PULMH929	CBR900 RR 2000 On SPROCKET	STEEL	€ 106,00
PULMH1100	CBR1100BB 1996 On SPROCKET	STEEL	€ 106,00
<b>KAWASAKI</b>			
PULMK6R	ZX6 R F - K 1994 On SPROCKET KIT	STEEL	€ 213,00
PULMK7R	ZX7 R 1991 - 2003 SPROCKET KIT	STEEL	€ 213,00
PULMK9R47	ZX9 R B1 - 4 1994 - 1998 SPROCKE KIT	STEEL	€ 213,00
PULMK9R8	ZX9 R C - E 1998 On SPROCKET KIT	STEEL	€ 213,00
<b>SUZUKI</b>			
PULMS750	GSX R600 / R750 1998 - 1999 SPROCKET KIT	STEEL	€ 213,00
PULMS7502	GSX R750 K 2000 On SPROCKET KIT	STEEL	€ 213,00
PULMS1300	GSX R1300 1999 On SPROCKET KIT	STEEL	€ 213,00
<b>YAMAHA</b>			
PULMYR1	YZF R1 1998 On SPROCKET	STEEL	€ 106,00
PULMYR6	YZF R6 1999 On SPROCKET	STEEL	€ 106,00

**MANY OTHER MAKES AND MODELS AVAILABLE SPECIAL ORDER  
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