

COLOMBO & BARIANI - SPECIAL CAMSHAFTS CATALOG

October 2009

Part No.	Camshaft codes	Application	Cam Lift IN	Cam Lift EX	Duration	Lobe Center Angles	Valve Timing	Valve lift TDC	Clearance	Notes	Price
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ALFA ROMEO

OLD MODELS type Giulia and similar rn1300-1600-1800-2000

AR.SM1	AR.105.280S (2)	Road medium	10.5	10.5	280°/280°	110°/110°	30°/70°-70°/30°	2.3/2.0	0.50/0.55	1	€ 481.00
AR.SM2	AR.109.280S (2)	Road medium	10.9	10.9	280°/280°	110°/110°	30°/70°-70°/30°	2.0/1.8	0.50/0.55		€ 481.00
AR.ST1	AR.120.292S (2)	Road max	12.0	12.0	292°/292°	110°/110°	36°/76°-76°/36°	2.3/2.0	0.50/0.55	2-3	€ 481.00
AR.CM1	AR.106.298C (2)	Race medium	10.6	10.6	298°/292°	105°/105°	44°/74°-71°/41°	3.7/3.3	0.40/0.50	2	€ 563.00
AR.CT2	AR.109.296C (2)	Race max	10.9	10.9	296°/292°	105°/105°	43°/73°-71°/41°	4.2/3.6	0.40/0.50	2	€ 563.00
AR.CT1	AR.114.300C (2)	Race max	11.4	11.4	300°/294°	105°/105°	45°/75°-72°/42°	4.0/3.8	0.40/0.50	2	€ 563.00

145/146 8v 1700 P.I.

AS2.ST1	AS2.107.278S (2)	Road max	10.7	10.2	278°/258°	112°/112°	27°/71°-61°/17°	1.6/1.2			€ 460.00
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33 8v 1500-1700 Mech. tappets

ASS.ST1	ASS.112.280S (2)	Road max	11.2	10.3	280°/280°	112°/112°	28°/72°-72°/28°	2.7/1.9	0.40/0.50		€ 460.00
ASS.CM1	ASS.114.300C (2)	Race medium	11.4	11.4	300°/294°	105°/105°	45°/75°-72°/42°	4.0/3.9	0.40/0.50	6	€ 563.00
ASS.CT1	ASS.120.320C (2)	Race max	12.0	12.0	320°/312°	102°/102°	58°/82°-78°/54°	5.4/5.3	0.40/0.50	7	€ 563.00

33/145/146 1700 16v

AS16.SM1	AS16.103.280S (2) AS16.097.268S (2)	Road medium	10.3	9.7	280°/268°	112°/112°	32°/68°-66°/22°	1.9/0.9			€ 1,016.00
AS16.CM1	AS16.116.300C.A (2) AS16.116.300C.S (2)	Race medium	11.6	11.6	300°/300°	105°/105°	45°/75°-72°/42°	4.4/4.0	0.40/0.50		€ 1,092.00
AS16.CT1	AS16.120.320C.A (2) AS16.120.320C.S (2)	Race max	12.0	12.0	320°/320°	102°/102°	58°/82°-78°/54°	5.4/5.2	0.40/0.50		€ 1,092.00

75 Turbo

ART.ST1	ART.107.290S (1) ART.101.262S (1)	Road max	10.7	10.1	290°/262°	114°/114°	31°/79°-61°/21°	1.6/0.9	0.45/0.50		€ 481.00
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75/155 Twin Spark 8v

ARTS.SM1	ARTS.121.280S (1) ARTS.105.280S (1)	Road medium	12.1	10.5	280°/280°	110°/110°	30°/70°-70°/30°	2.6/2.0	0.35/0.50	4-5	€ 606.00
ARTS.CM1	ARTS.114.300C.A (1) ARTS.114.294C (1)	Race medium	11.4	11.4	300°/294°	105°/105°	45°/75°-72°/42°	4.0/3.8	0.40/0.50	4-5	€ 730.00

1600 16v Twin Spark 77Kw (105hp)

FAR.SM2	FAR.104.268S.A (1) FAR.085.252S.S (1)	Road medium	10.4	8.5	268°/252°	114°/104°	20°/68°-50°/22°	0.9/0.8			€ 703.00
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1600 16v Twin Spark 88Kw (120hp)

FAR.SM3	FAR.102.258S.A (1) FAR.096.258S.S (1)	Road medium	10.2	9.6	258°/258°	122°/101° 97°/101°	7°/71°-50°/28° 32°/46°-50°/28°	0.3/1.2 3.4/1.2		9-10	€ 703.00
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1800-2000 16v Twin Spark

FAR.SM1	FAR.105.272S.A (1) FAR.096.258S.S (1)	Road medium	10.5	9.6	272°/258°	128°/100° 103°/100°	8°/84°-50°/29° 33°/59°-50°/29°	0.3/1.2 3.4/1.2		9-10	€ 703.00
FAR.ST1	FAR.104.260S.A (1) FAR.100.272S.S (1)	Road max	10.4	10.0	260°/272°	125°/104° 100°/104°	5°/75°-60°/32° 30°/50°-60°/32°	0.4/1.6 3.4/1.6		9-10	€ 703.00

2000 16v JTS Twin Spark

ARJTS.SM1	ARJTS.112.270S.A (1) ARJTS.104.260S.S (1)	Road medium	11.2	10.4	270°/260°	115°/100° 90°/100°	20°/70°-50°/30° 45°/45°-50°/30°	0.5/1.3 3.1/1.3			€ 703.00
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V6 2000 12v Turbo

AR6T.SM1	AR6T.088.282S.1 (1) AR6T.088.282S.2 (1)	Road medium	8.8	6.4	282°/254°	114°/114°	27°/75°-61°/13°	0.9/0.6	0.40/0.30	12	€ 769.00
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V6 2500-3000 12V

AR6.SM1	AR6.104.294S.1 (1) AR6.104.294S.2 (1)	Road medium	10.4	6.4	294°/264°	114°/114°	33°/81°-66°/18°	0.9/1.0	0.50/0.30	12	€ 769.00
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AR6.ST1	AR6.105.282S.1 (1) AR6.105.282S.2 (1)	Road max	10.5	6.5	282°/268°	112°/112°	29°/73°-66°/22°	1.9/1.5	0.40/0.30	12	€ 769.00
AR6.CM1	AR6.114.300C.1 (1) AR6.114.300C.2 (1)	Race medium	11.4	8.0	300°/304°	105°/105°	45°/75°-77°/47°	4.0/3.9	0.40/0.30	12	€ 1,114.00

V6 2500-3000-3200 24v

AR24.SM1	AR24.092.274S.A1 (1) AR24.092.274S.A2 (1) AR24.094.272S.S1 (1) AR24.094.272S.S2 (1)	Road medium	9.2	9.4	274°/272°	112°/110°	25°/69°-59°/19°	1.3/0.7			€ 1,773.00
AR24.SM2	AR24.099.268S.A1 (1) AR24.099.268S.A2 (1) AR24.094.272S.S1 (1) AR24.094.272S.S2 (1)	Road medium	9.9	9.4	268°/272°	112°/110°	22°/66°-59°/19°	1.4/0.7			€ 1,773.00
AR24.ST1	AR24.104.260S.A1 (1) AR24.104.260S.A2 (1) AR24.092.274S.S1 (1) AR24.092.274S.S2 (1)	Road max	10.4	9.2	260°/274°	110°/110°	20°/60°-67°/27°	1.2/1.7		22	€ 1,773.00
AR24.CM1	AR24.114.300C.A1 (1) AR24.114.300C.A2 (1) AR24.112.280C.S1 (1) AR24.112.280C.S2 (1)	Race medium	11.4	11.2	300°/280°	105°/110°	45°/75°-70°/30°	4.0/2.8	0.40/0.30		€ 2,379.00

1900 8v JTD

MJTD.SM1	MJTD.091.252S (1)	Road medium	9.1	8.9	252°/250°	108°/108°	18°/54°-51°/15°	0.8/0.5	0.30/0.40		€ 367.00
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AUTOBIANCHI

A112 - 70cv

A.SM1	A.065.282S (1)	Road medium	6.5	6.5	282°/268°	110°/110°	31°/71°-64°/24°	1.8/1.5	0.20/0.30	28	€ 298.00
A.ST1	A.070.280S (1)	Road max	7.0	7.0	280°/272°	110°/110°	30°/70°-66°/26°	2.8/2.2	0.20/0.30		€ 298.00
A.RM1	A.072.296C (1)	Race medium	7.2	7.2	296°/284°	105°/105°	43°/73°-67°/37°	3.0/2.8	0.20/0.30		€ 331.00

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A.RT1	A.071.316C (1)	Race max	7.1	7.1	316°/304°	110°/110°	48°/88°-82°/42°	3.2/2.9	0.20/0.30		€ 331.00
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BMW

318 i.s. 4 cyl. 16v (M42)

B18.SM1	B18.104.260S.A (1) B18.104.260S.S (1)	Road medium	10.4	10.4	260°/260°	110°/110°	20°/60°-60°/20°	1.0/1.0			€ 822.00
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320 i.s. / M3 2300-2500 (E30)

B16.SM1	B16.108.288S.A (1) B16.108.276S.S (1)	Road medium	10.8	10.8	288°/276°	110°/110°	34°/74°-68°/28°	2.1/1.9	0.30/0.40		€ 876.00
B16.ST1	B16.109.294S.A (1) B16.108.276S.S (1)	Road max	10.9	10.8	294°/276°	110°/110°	47°/77°-68°/28°	3.9/1.9	0.30/0.40		€ 876.00

CITROEN

SAXO 1600 8v SportrnRoller tappet

CSR.SM1	CSR.066.280S (1)	Road medium	6.6	6.6	280°/278°	110°/110°	30°/70°-64°/24°	/	0.25/0.30		€ 379.00
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FIAT

500 - 595 - 695

F1.SM1	F1.072.296S (1)	Road medium	7.2	7.2	296°/284°	110°/110°	38°/78°-72°/32°	2.5/2.2	0.20/0.30		€ 302.00
F1.ST1	F1.076.300S (1)	Road max	7.6	7.6	300°/296°	110°/110°	40°/80°-78°/38°	2.7/2.0	0.15/0.20		€ 302.00
F1.RM1	F1.071.316C (1)	Race medium	7.1	7.1	316°/310°	110°/110°	48°/88°-85°/45°	3.0/2.8	0.20/0.25		€ 319.00
F1.RT1	F1.071.330C (1)	Race max	7.1	7.1	330°/320°	104°/104°	67°/83°-77°/59°	3.9/3.5	0.20/0.30		€ 319.00

MONOALBERO Carburettors - e.i.

FT.SM1	FT.103.280S (1)	Road medium	10.3	10.3	280°/268°	112°/112°	28°/72°-66°/22°	1.9/1.4	0.40/0.50		€ 352.00
FT.RM1	FT.114.300C (1)	Race medium	11.4	11.4	300°/294°	105°/105°	45°/75°-72°/42°	4.0/3.9	0.40/0.50	23	€ 412.00
FT.RT1	FT.120.314C (1)	Race max	12.0	12.0	314°/306°	102°/102°	55°/79°-75°/51°	5.2/5.0	0.40/0.50	25	€ 412.00

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UNO / PUNTO GT TURBO

FUT.SM1	FUT.103.272S (1)	Road medium	10.3	8.9	272°/260°	112°/112°	24°/68°-62°/18°	1.8/0.8	0.45/0.50		€ 362.00
FUT.CS1	FUT.103.294C (1)	Race min	10.3	8.8	294°/242°	108°/108°	39°/75°-49°/13°	2.6/0.9	0.40/0.50		€ 455.00
FUT.RM1	FUT.1110.276C (1)	Race medium	11.1	8.5	276°/240°	105°/105°	33°/63°-45°/15°	3.6/1.1	0.30/0.40	14	€ 455.00

TWIN CAM 8v 1600-1800-2000

FB.SM1	FB.103.280S.A (1) FB.103.272S.S (1)	Road medium	10.3	10.3	280°/272°	112°/110°	28°/72°-66°/26°	1.9/1.8	0.40/0.45		€ 481.00
FB.RM1	FB.114.300C.A (1) FB.114.294C.S (1)	Race medium	11.4	11.4	300°/294°	105°/105°	45°/75°-72°/42°	4.0/3.9	0.40/0.50		€ 556.00

TIPO / COUPE` 2000 16v

FT16.SM1	FT16.103.250S.A (1) FT16.103.242S.S (1)	Road medium	10.3	10.3	250°/242°	110°/110°	15°/55°-51°/11°	0.9/0.7	0.40/0.50		€ 790.00
FT16.RM1	FT16.113.280C.A (1) FT16.113.274C.S (1)	Race medium	11.3	11.3	280°/274°	108°/110°	32°/68°-67°/27°	2.9/2.7	0.30/0.40		€ 855.00

1108 - 1242 Fire 8v

FF.SM1	FF.103.268S (1)	Road medium	10.3	10.3	268°/250°	110°/110°	24°/64°-55°/15°	1.0/0.9	0.30/0.40	27	€ 309.00
FF.ST1	FF.103.280S (1)	Road max	10.3	10.3	280°/268°	112°/112°	28°/72°-66°/22°	1.9/1.8	0.40/0.50	27	€ 309.00
FF.RM1	FF.106.298C (1)	Race medium	10.6	10.6	298°/292°	108°/108°	41°/77°-74°/38°	3.6/3.4	0.40/0.50	27	€ 374.00
FF.RT1	FF.114.300C (1)	Race max	11.4	11.4	300°/294°	105°/105°	45°/75°-72°/42°	4.0/3.8	0.40/0.50	27	€ 374.00

1242 - 1368 Fire 16v

FF16.SM1	FF16.087.274S (1) FF16.080.248S (1)	Road medium	8.7	8.0	274°/248°	110°/110°	27°/67°-54°/14°	0.6/0.4			€ 589.00
FF16.ST1	FF16.094.246S (1) FF16.080.248S (1)	Road max	9.4	8.0	246°/248°	110°/110°	13°/53°-54°/14°	0.8/0.4		26	€ 589.00

1400 16v Turbo T-Jet

FF16T.SM1	FF16T.080.248S (1) FF16T.074.244S (1)	Road medium	8.0	7.4	248°/244°	110°/110°	14°/54°-52°/12°	0.4/0.2			€ 589.00
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FF16T.ST1	FF16T.087.274S (1) FF16T.074.244S (1)	Road max	8.7	7.4	274°/244°	110°/110°	27°/67°-52°/12°	0.6/0.2			€ 589.00
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1600 16V

F6.SM1	F6.094.260S.A (1) F6.094.260S.S (1)	Road medium	9.4	9.4	260°/260°	110°/110°	20°/60°-60°/20°	0.6/0.6		15	€ 671.00
F6.ST1	F6.100.272S.A (1) F6.094.260S.S (1)	Road max	10.0	9.4	272°/260°	112°/110°	24°/68°-60°/20°	1.2/0.6		15	€ 671.00

1800 16v without phase variator

FB8.SM1	FB8.096.258S.A (1) FB8.096.258S.S (1)	Road medium	9.6	9.6	258°/258°	110°/110°	19°/59°-59°/19°	0.9/0.9			€ 671.00
FB8.ST1	FB8.100.272S.A (1) FB8.096.258S.S (1)	Road max	10.0	9.6	272°/258°	112°/110°	24°/68°-59°/19°	1.1/0.9			€ 671.00

1800 16v with phase variator

FAR2.SM1	FAR2.096.258S.A (1) FAR.092.258S.S (1)	Road medium	9.6	9.2	258°/258°	113°/96° 96°/96°	16°/62°-45°/33° 41°/37°-45°/33°	0.3/1.3 2.6/1.3		9-10	€ 703.00
FAR2.ST1	FAR.104.260S.A (1) FAR2.096.258S.S (1)	Road max	10.4	9.6	260°/258°	120°/100° 95°/100°	10°/70°-49°/29° 35°/45°-49°/29°	0.4/1.4 3.3/1.4		9-10	€ 703.00

2000 5 Cylinder 20v Non-supercharged

F5.SM1	F5.100.272S.A (1) F5.094.260S.S (1)	Road medium	10.0	9.4	272°/260°	125°/100° 100°/100°	11°/81°-50°/30° 36°/56°-50°/30°	0.3/1.2 2.9/1.2		10	€ 860.00
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2000 5 CYLINDER 20v Turbo

F5T.SM1	F5T.102.280S.A (1) F5T.094.260S.S (1)	Road medium	10.2	9.4	280°/260°	124°/110° 99°/110°	16°/84°-60°/20° 41°/44°-60°/20°	0.4/0.6 3.0/0.6		10	€ 860.00
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STILO 2400 20v Abarth

F5.ST1	F5.104.260S.A (1) F5.102.258S.S (1)	Road max	10.4	10.2	260°/258°	125°/101° 100°/101°	5°/75°-50°/28° 30°/50°-50°/28°	0.4/1.5 3.4/1.5		10	€ 855.00
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LANCIA

DELTA Turbo 8v

LD8.SM1	LD8.103.280S (1) LD8.089.260S (1)	Road medium	10.3	8.9	280°/260°	112°/110°	28°/72°-60°/20°	1.9/0.9	0.40/0.50		€ 491.00
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DELTA 2000 Turbo 16v

LD16.SS1	LD16.099.246S (1) LD16.084.238S (1)	Road min	9.9	8.4	246°/238°	110°/110°	13°/53°-49°/9°	0.4/0.5	0.40/0.50		€ 784.00
LD16.SM1	LD16.103.250S (1) LD16.084.238S (1)	Road medium	10.3	8.4	250°/238°	110°/110°	15°/55°-49°/9°	0.9/0.5	0.40/0.50		€ 784.00
LD16.ST2	LD16.104.260S (1) LD16.083.254S (1)	Road max	10.4	8.3	260°/254°	110°/110°	20°/60°-52°/12°	1.7/0.9	0.30/0.40		€ 784.00
LD16.RM1	LD16.1090.276C (1) LD16.088.250C (1)	Race min	10.9	8.8	276°/250°	108°/105°	30°/66°-50°/20°	2.1/1.5	0.35/0.40		€ 855.00

MINI

ONE - COOPER - COOPER S (1st and 2nd series)

M.SM1	M.057.246S (1)	Road medium	5.7	5.5	246°/276°	110°/110°	13°/53°-68°/28°	0.6/0.4			€ 314.00
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OPEL

1400 16v

O14.SM1	O14.094.260S.A (1) O14.094.260S.S (1)	Road medium	9.4	9.4	260°/260°	110°/110°	20°/60°-60°/20°	0.6/0.6			€ 595.00
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1600 16v

O2.SM1	O2.102.258S (1) O2.094.260S (1)	Road medium	10.2	9.4	258°/258°	112°/110°	17°/61°-59°/19°	1.0/0.6			€ 595.00
O2.RM1	O2.115.296C.A (1) O2.115.280C.S (1)	Race medium	11.5	11.5	296°/280°	105°/105°	43°/73°-65°/35°	2.9/2.5	0.20/0.30	8	€ 660.00

COLOMBO & BARIANI - SPECIAL CAMSHAFTS CATALOG

October 2009

Part No.	Camshaft codes	Application	Cam Lift IN	Cam Lift EX	Duration	Lobe Center Angles	Valve Timing	Valve lift TDC	Clearance	Notes	Price
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1800-2000 16v Old models

O16.SM1	O16.103.280S (1) O16.097.268S (1)	Road medium	10.3	9.7	280°/268°	112°/110°	28°/72°-64°/24°	1.7/1.0			€ 676.00
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1800-2000 16v Ecotec

O3.SM1	O3.105.272S (1) O3.100.272S (1)	Road medium	10.5	10.0	272°/272°	110°/110°	26°/66°-66°/26°	1.3/1.1			€ 676.00
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1800-2000 16v New models

O4.SM1	O4.096.258S.A (1) O4.094.260S.S (1)	Road medium	9.6	9.4	258°/260°	110°/110°	19°/59°-60°/20°	0.9/0.6			€ 606.00
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PEUGEOT

205 RALLYE 1360

P.SM1	P.075.280S (1)	Road medium	7.5	7.4	280°/278°	110°/110°	30°/70°-69°/29°	1.5/0.7	0.20/0.30		€ 379.00
P.RM1	P.075.304C (1)	Race medium	7.5	7.5	304°/288°	106°/106°	47°/77°-77°/43°	3.0/2.7	0.20/0.30		€ 449.00

106 / 206 / 306 rn1300 - 1400 - 1600 8v rnShoulder tappet

P106.SM1	P106.075.280S (1)	Road medium	7.5	7.4	280°/278°	110°/110°	30°/70°-69°/29°	1.5/0.7	0.20/0.30	12-20	€ 379.00
P106.RM1	P106.075.304C (1)	Race medium	7.5	7.5	304°/288°	106°/106°	47°/77°-77°/43°	3.0/2.7	0.20/0.30	12-20	€ 449.00
P106.RT1	P106.075.332C (1)	Race max	7.5	7.5	332°/299°	102°/102°	63°/89°-78°/41°	3.5/3.2	0.25/0.30	12-20-21	€ 449.00

106 / 206 / 306 - 1400 8v rnRoller tappet

PR.SM1	PR.060.284S (1)	Road medium	6.0	6.0	284°/278°	112°/112°	30°/74°-71°/27°	1.2/1.1	0.20/0.30		€ 379.00
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1600 - 16v

CS16.SS1	CS16.094.260S.A (1) CS16.094.260S.S (1)	Road min	9.4	9.4	260°/260°	110°/110°	20°/60°-60°/20°	0.6/0.6			€ 654.00
CS16.SM1	CS16.096.258S.A (1) CS16.094.260S.S (1)	Road medium	9.6	9.4	258°/260°	110°/110°	19°/59°-60°/20°	0.8/0.6			€ 654.00

COLOMBO & BARIANI - SPECIAL CAMSHAFTS CATALOG

October 2009

Part No.	Camshaft codes	Application	Cam Lift IN	Cam Lift EX	Duration	Lobe Center Angles	Valve Timing	Valve lift TDC	Clearance	Notes	Price
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CS16.ST1	CS16.102.280S.A (1) CS16.096.258S.S (1)	Road max	10.2	9.6	280°/258°	110°/110°	30°/70°-59°/19°	1.1/0.8			€ 654.00
CS16.RT1	CS16.124.298C (2)	Race max	12.4	12.4	298°/288°	105°/105°	44°/74°-69°/39°	4.1/3.7	0.30/0.40	8-17	€ 795.00

206 / 307 2000 16v 100kw

P206.SM1	P206.096.258S (1) P206.094.260S (1)	Road medium	9.6	9.4	258°/260°	110°/110°	19°/59°-60°/20°	0.8/0.8			€ 697.00
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306 - 2000 16v RALLYE - GTI 130 Kw

P216.ST1	P216.1082.278S (1) P216.105.272S (1)	Road max	10.8	10.5	278°/272°	110°/110°	29°/69°-66°/26°	1.5/1.3			€ 730.00
P216.RM1	P216.125.282C.A (1) P216.121.294C.S (1)	Race medium	12.5	12.1	282°/294°	105°/105°	36°/66°-72°/42°	3.9/3.5	0.30/0.40	8	€ 838.00
P216.RT1	P216.119.296C.A (1) P216.119.296C.S (1)	Race max	11.9	11.9	296°/290°	105°/105°	43°/73°-70°/40°	4.1/3.5	0.30/0.35	8	€ 838.00

RENAULT

CLIO 1800-2000 16v

RC16.SM1	RC16.103.280S (1) RC16.097.268S (1)	Road medium	10.3	9.7	280°/268°	112°/112°	28°/72°-66°/22°	1.7/1.0			€ 676.00
RC16.RM1	RC16.119.296C (1) RC16.114.288C (1)	Race medium	11.9	11.4	296°/288°	105°/105°	43°/73°-74°/34°	3.5/3.0	0.30/0.30	8	€ 800.00
RC16.RT1	RC16.125.282C (1) RC16.120.264C (1)	Race max	12.5	12.0	282°/264°	108°/108°	33°/69°-60°/24°	3.7/2.6	0.30/0.30	8	€ 800.00

CLIO 2000 RS

R2R.SM1	R2R.057.286S (1) R2R.055.280S (1)	Road medium	5.7	5.5	286°/280°	124°/124° 104°/124°	19°/87°-70°/30° 39°/52°-70°/30°	0.5/1.2 3.5/1.2			€ 724.00
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COLOMBO & BARIANI - SPECIAL CAMSHAFTS CATALOG

October 2009

Part No.	Camshaft codes	Application	Cam Lift IN	Cam Lift EX	Duration	Lobe Center Angles	Valve Timing	Valve lift TDC	Clearance	Notes	Price
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CLIO 1400-1600 16v Roller tappet

R1R.SM1	R1R.050.280S (1) R1R.046.252S (1)	Road medium	5.0	4.6	280°/252°	110°/110°	30°/70°-56°/16°	0.5/0.4			€ 633.00
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SMART

FOR TWO

S.SM1	S.044.220S (1)	Road medium	4.4	4.4	220°/220°	110°/110°	15°/35°-30°/10°	0.4/0.4			€ 302.00
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SUBARU

IMPREZA without phase variator

SI.SM1	SI.103.256S.A1 (1) SI.103.256S.A2 (1) SI.099.246S.S1 (1) SI.099.246S.S2 (1)	Road medium	10.3	9.9	256°/246°	110°/110°	18°/58°-53°/13°	0.8/0.3	0.30/0.40		€ 1,109.00
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IMPREZA with phase variator

SI3.SM1	SI3.099.266S.A1 (1) SI3.099.266S.A2 (1) SI3.088.250S.S1 (1) SI3.088.250S.S2 (1)	Road medium	9.9	8.8	266°/250°	125°/125° °/125°	8°/78°-55°/15° 8°/78°-55°/15°	0.3/0.9 0.9/0.9	0.30/0.40		€ 1,109.00
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VOLKSWAGEN - AUDI - SEAT - SKODA

1400-1600 8v

V.SM1	V.102.280S (1)	Road medium	10.2	9.6	280°/258°	110°/110°	30°/70°-59°/19°	1.1/0.9	18		€ 319.00
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1600 8v 101hp

V6.SM1	V6.1082.278S (1)	Road medium	10.8	10.8	278°/278°	112°/112°	27°/71°-71°/27°	1.4/1.4			€ 356.00
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COLOMBO & BARIANI - SPECIAL CAMSHAFTS CATALOG

October 2009

Part No.	Camshaft codes	Application	Cam Lift IN	Cam Lift EX	Duration	Lobe Center Angles	Valve Timing	Valve lift TDC	Clearance	Notes	Price
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1400 16v 75-101 hp Roller tappet

V14R.SM1	V14R.046.248S.A (1) V14R.046.248S.S (1)	Road medium	4.6	4.6	248°/248°	108°/108°	16°/52°-52°/16°	0.6/0.6			€ 628.00
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GOLF GTI 1800 16v

V16.SM1	V16.103.280S (1) V16.097.268S (1)	Road medium	10.3	9.7	280°/268°	112°/112°	28°/72°-64°/24°	1.9/1.0			€ 671.00
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GOLF GTI 2000 16v

V216.SM1	V216.114.278S.A (1) V216.114.278S.S (1)	Road medium	11.4	11.4	278°/278°	110°/110°	29°/69°-69°/29°	1.0/1.0			€ 671.00
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1800 Turbo 20v

VT.SM1	VT.084.262S (1)	Road medium	8.4		262°/°	110°/110°	21°/61°-°/°	0.7/		19	€ 400.00
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1900 TDI 90-101-105-110 hp

VTD.SM1	VTD.094.260S (1)	Road medium	9.4	8.6	260°/252°	110°/110°	20°/60°-56°/16°	0.6/0.4		18	€ 357.00
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YAMAHA

T-Max 500 (all models)

TMAX.SM1	TMAX.086.286S (1) TMAX.087.288S (1)	Road medium	8.6	8.7	294°/286°	110°/110°	37°/77°-73°/33°	2.3/1.9	0.15/0.20		€ 490.00
TMAX.ST1	TMAX.090.304S (1) TMAX.089.294S (1)	Road max	9.0	8.9	304°/294°	105°/110°	47°/77°-77°/37°	2.9/2.0	0.15/0.20		€ 490.00

NOTES

- 1 Profile recommend for 1300 and 1600 cc
- 2 Our camshaft is build with cam diameter 26.0 (original is 27.0). If not specified with a note, you can fit this product without any other work in the head of your engine
- 3 It is necessary to mill the cylinder head for cam passage
- 4 State whether 75/164 or 155 and if with or without phase variator
- 5 Use for INLET the same gear ad for EXHAUST
- 6 Cam diameter: 23.5
- 7 Cam diameter: 22.5
- 8 Mechanical tappet
- 9 For installation use the specific C&B tools
- 10 HPMS with closed and open variator
- 11 Cam diameter: 23.0
- 12 State the car model
- 13 Cam diameter: 35.0 ore others on request
- 14 Inlet cam diameter: 24.9
- 15 State, whether if old or new models
- 16 For installation use specific Ford tools
- 17 Cam diameter: 29.1
- 18 State the series of the car and power of the engine
- 19 Replace only the INLET camshaft
- 20 State the support diameter
- 21 More suitable for 1600
- 22 With this profile (only INLET) we recommend to remove the lower valve spring cap washers
- 23 Cam diameter: 25.15
- 24 State the engine Cm3
- 25 Cam diameter: 24.3
- 26 More suitable for 1400
- 27 State if Euro 0,1,2,3 o 4
- 28 Useful for standard engines. Use Road Max cam for Abarth 70hp.

ALL OUR CAMSHAFTS ARE SOLD ON THE BASIS OF THEIR DECLARED TECHNICAL SPECIFICATIONS AND WITHOUT REGARD FOR THE PERFORMANCE OBTAINABLE, WHICH MAY BE AFFECTED, AMONG OTHER THINGS, BY OTHER ENGINE DESIGN PARAMETERS.