

# COLOMBO & BARIANI - SPECIAL CAMSHAFTS CATALOG

October 2009

| Part No. | Camshaft codes | Application | Cam Lift<br>IN | Cam Lift<br>EX | Duration | Lobe Center Angles | Valve Timing | Valve lift TDC | Clearance | Notes | Price |
|----------|----------------|-------------|----------------|----------------|----------|--------------------|--------------|----------------|-----------|-------|-------|
|----------|----------------|-------------|----------------|----------------|----------|--------------------|--------------|----------------|-----------|-------|-------|

## 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 |
|---------|------------------|----------|------|------|-----------|-----------|-----------------|---------|--|--|----------|

### 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)<br>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)<br>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)<br>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)<br>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 |
|---------|--------------------------------------|----------|------|------|-----------|-----------|-----------------|---------|-----------|--|----------|

# COLOMBO & BARIANI - SPECIAL CAMSHAFTS CATALOG

October 2009

| Part No. | Camshaft codes | Application | Cam<br>IN | Lift<br>EX | Duration | Lobe Center Angles | Valve Timing | Valve lift TDC | Clearance | Notes | Price |
|----------|----------------|-------------|-----------|------------|----------|--------------------|--------------|----------------|-----------|-------|-------|
|----------|----------------|-------------|-----------|------------|----------|--------------------|--------------|----------------|-----------|-------|-------|

### 75/155 Twin Spark 8v

|          |  |             |      |      |           |           |                 |         |           |     |          |
|----------|--|-------------|------|------|-----------|-----------|-----------------|---------|-----------|-----|----------|
| ARTS.SM1 | ARTS.121.280S (1)<br>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)<br>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)<br>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 |
|---------|--|-------------|------|-----|-----------|-----------|-----------------|---------|--|--|----------|

### 1600 16v Twin Spark 88Kw (120hp)

|         |  |             |      |     |           |                       |                                   |                    |  |      |          |
|---------|--|-------------|------|-----|-----------|-----------------------|-----------------------------------|--------------------|--|------|----------|
| FAR.SM3 | FAR.102.258S.A (1)<br>FAR.096.258S.S (1) | Road medium | 10.2 | 9.6 | 258°/258° | 122°/101°<br>97°/101° | 7°/71°-50°/28°<br>32°/46°-50°/28° | 0.3/1.2<br>3.4/1.2 |  | 9-10 | € 703.00 |
|---------|--|-------------|------|-----|-----------|-----------------------|-----------------------------------|--------------------|--|------|----------|

### 1800-2000 16v Twin Spark

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

### 2000 16v JTS Twin Spark

|           |  |             |      |      |           |                       |                                    |                    |  |  |          |
|-----------|--|-------------|------|------|-----------|-----------------------|------------------------------------|--------------------|--|--|----------|
| ARJTS.SM1 | ARJTS.112.270S.A (1)<br>ARJTS.104.260S.S (1) | Road medium | 11.2 | 10.4 | 270°/260° | 115°/100°<br>90°/100° | 20°/70°-50°/30°<br>45°/45°-50°/30° | 0.5/1.3<br>3.1/1.3 |  |  | € 703.00 |
|-----------|--|-------------|------|------|-----------|-----------------------|------------------------------------|--------------------|--|--|----------|

### V6 2000 12v Turbo

|          |  |             |     |     |           |           |                 |         |           |    |          |
|----------|--|-------------|-----|-----|-----------|-----------|-----------------|---------|-----------|----|----------|
| AR6T.SM1 | AR6T.088.282S.1 (1)<br>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 |
|----------|--|-------------|-----|-----|-----------|-----------|-----------------|---------|-----------|----|----------|

### V6 2500-3000 12V

|         |  |             |      |     |           |           |                 |         |           |    |          |
|---------|--|-------------|------|-----|-----------|-----------|-----------------|---------|-----------|----|----------|
| AR6.SM1 | AR6.104.294S.1 (1)<br>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 |
|---------|--|-------------|------|-----|-----------|-----------|-----------------|---------|-----------|----|----------|

# COLOMBO & BARIANI - SPECIAL CAMSHAFTS CATALOG

October 2009

| Part No. | Camshaft codes | Application | Cam Lift<br>IN | Cam Lift<br>EX | Duration | Lobe Center Angles | Valve Timing | Valve lift TDC | Clearance | Notes | Price |
|----------|----------------|-------------|----------------|----------------|----------|--------------------|--------------|----------------|-----------|-------|-------|
|----------|----------------|-------------|----------------|----------------|----------|--------------------|--------------|----------------|-----------|-------|-------|

|         |  |             |      |     |           |           |                 |         |           |    |            |
|---------|--|-------------|------|-----|-----------|-----------|-----------------|---------|-----------|----|------------|
| AR6.ST1 | AR6.105.282S.1 (1)<br>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)<br>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)<br>AR24.092.274S.A2 (1)<br>AR24.094.272S.S1 (1)<br>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)<br>AR24.099.268S.A2 (1)<br>AR24.094.272S.S1 (1)<br>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)<br>AR24.104.260S.A2 (1)<br>AR24.092.274S.S1 (1)<br>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)<br>AR24.114.300C.A2 (1)<br>AR24.112.280C.S1 (1)<br>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 |
|----------|-------------------|-------------|-----|-----|-----------|-----------|-----------------|---------|-----------|--|----------|

## 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 |

# COLOMBO & BARIANI - SPECIAL CAMSHAFTS CATALOG

October 2009

| Part No. | Camshaft codes | Application | Cam Lift<br>IN | Cam Lift<br>EX | Duration | Lobe Center Angles | Valve Timing | Valve lift TDC | Clearance | Notes | Price |
|----------|----------------|-------------|----------------|----------------|----------|--------------------|--------------|----------------|-----------|-------|-------|
|----------|----------------|-------------|----------------|----------------|----------|--------------------|--------------|----------------|-----------|-------|-------|

|       |                |          |     |     |           |           |                 |         |           |  |          |
|-------|----------------|----------|-----|-----|-----------|-----------|-----------------|---------|-----------|--|----------|
| 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 |
|-------|----------------|----------|-----|-----|-----------|-----------|-----------------|---------|-----------|--|----------|

## BMW

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

|         |  |             |      |      |           |           |                 |         |  |  |          |
|---------|--|-------------|------|------|-----------|-----------|-----------------|---------|--|--|----------|
| B18.SM1 | B18.104.260S.A (1)<br>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 |
|---------|--|-------------|------|------|-----------|-----------|-----------------|---------|--|--|----------|

### 320 i.s. / M3 2300-2500 (E30)

|         |  |             |      |      |           |           |                 |         |           |  |          |
|---------|--|-------------|------|------|-----------|-----------|-----------------|---------|-----------|--|----------|
| B16.SM1 | B16.108.288S.A (1)<br>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)<br>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 |
|---------|------------------|-------------|-----|-----|-----------|-----------|-----------------|---|-----------|--|----------|

## 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 |

# COLOMBO & BARIANI - SPECIAL CAMSHAFTS CATALOG

October 2009

| Part No. | Camshaft codes | Application | Cam Lift<br>IN | Cam Lift<br>EX | Duration | Lobe Center Angles | Valve Timing | Valve lift TDC | Clearance | Notes | Price |
|----------|----------------|-------------|----------------|----------------|----------|--------------------|--------------|----------------|-----------|-------|-------|
|----------|----------------|-------------|----------------|----------------|----------|--------------------|--------------|----------------|-----------|-------|-------|

## 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)<br>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)<br>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)<br>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)<br>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)<br>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)<br>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)<br>FF16T.074.244S (1) | Road medium | 8.0 | 7.4 | 248°/244° | 110°/110° | 14°/54°-52°/12° | 0.4/0.2 |  |  | € 589.00 |
|-----------|--|-------------|-----|-----|-----------|-----------|-----------------|---------|--|--|----------|

# COLOMBO & BARIANI - SPECIAL CAMSHAFTS CATALOG

October 2009

| Part No. | Camshaft codes | Application | Cam Lift<br>IN | Cam Lift<br>EX | Duration | Lobe Center Angles | Valve Timing | Valve lift TDC | Clearance | Notes | Price |
|----------|----------------|-------------|----------------|----------------|----------|--------------------|--------------|----------------|-----------|-------|-------|
|----------|----------------|-------------|----------------|----------------|----------|--------------------|--------------|----------------|-----------|-------|-------|

|           |  |          |     |     |           |           |                 |         |  |  |          |
|-----------|--|----------|-----|-----|-----------|-----------|-----------------|---------|--|--|----------|
| FF16T.ST1 | FF16T.087.274S (1)<br>FF16T.074.244S (1) | Road max | 8.7 | 7.4 | 274°/244° | 110°/110° | 27°/67°-52°/12° | 0.6/0.2 |  |  | € 589.00 |
|-----------|--|----------|-----|-----|-----------|-----------|-----------------|---------|--|--|----------|

## 1600 16V

|        |  |             |      |     |           |           |                 |         |  |    |          |
|--------|--|-------------|------|-----|-----------|-----------|-----------------|---------|--|----|----------|
| F6.SM1 | F6.094.260S.A (1)<br>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)<br>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)<br>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)<br>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)<br>FAR.092.258S.S (1) | Road medium | 9.6  | 9.2 | 258°/258° | 113°/96°<br>96°/96°   | 16°/62°-45°/33°<br>41°/37°-45°/33° | 0.3/1.3<br>2.6/1.3 |  | 9-10 | € 703.00 |
| FAR2.ST1 | FAR.104.260S.A (1)<br>FAR2.096.258S.S (1) | Road max    | 10.4 | 9.6 | 260°/258° | 120°/100°<br>95°/100° | 10°/70°-49°/29°<br>35°/45°-49°/29° | 0.4/1.4<br>3.3/1.4 |  | 9-10 | € 703.00 |

## 2000 5 Cylinder 20v Non-supercharged

|        |  |             |      |     |           |                        |                                    |                    |  |    |          |
|--------|--|-------------|------|-----|-----------|------------------------|------------------------------------|--------------------|--|----|----------|
| F5.SM1 | F5.100.272S.A (1)<br>F5.094.260S.S (1) | Road medium | 10.0 | 9.4 | 272°/260° | 125°/100°<br>100°/100° | 11°/81°-50°/30°<br>36°/56°-50°/30° | 0.3/1.2<br>2.9/1.2 |  | 10 | € 860.00 |
|--------|--|-------------|------|-----|-----------|------------------------|------------------------------------|--------------------|--|----|----------|

## 2000 5 CYLINDER 20v Turbo

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

## STILO 2400 20v Abarth

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

# COLOMBO & BARIANI - SPECIAL CAMSHAFTS CATALOG

October 2009

| Part No. | Camshaft codes | Application | Cam Lift<br>IN | Cam Lift<br>EX | Duration | Lobe Center Angles | Valve Timing | Valve lift TDC | Clearance | Notes | Price |
|----------|----------------|-------------|----------------|----------------|----------|--------------------|--------------|----------------|-----------|-------|-------|
|----------|----------------|-------------|----------------|----------------|----------|--------------------|--------------|----------------|-----------|-------|-------|

## LANCIA

### DELTA Turbo 8v

|         |                                      |             |      |     |           |           |                 |         |           |  |          |
|---------|--------------------------------------|-------------|------|-----|-----------|-----------|-----------------|---------|-----------|--|----------|
| LD8.SM1 | LD8.103.280S (1)<br>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 |
|---------|--------------------------------------|-------------|------|-----|-----------|-----------|-----------------|---------|-----------|--|----------|

### DELTA 2000 Turbo 16v

|          |   |             |      |     |           |           |                 |         |           |  |          |
|----------|---|-------------|------|-----|-----------|-----------|-----------------|---------|-----------|--|----------|
| LD16.SS1 | LD16.099.246S (1)<br>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)<br>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)<br>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)<br>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 |
|-------|----------------|-------------|-----|-----|-----------|-----------|-----------------|---------|--|--|----------|

## OPEL

### 1400 16v

|         |  |             |     |     |           |           |                 |         |  |  |          |
|---------|--|-------------|-----|-----|-----------|-----------|-----------------|---------|--|--|----------|
| O14.SM1 | O14.094.260S.A (1)<br>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 |
|---------|--|-------------|-----|-----|-----------|-----------|-----------------|---------|--|--|----------|

### 1600 16v

|        |  |             |      |      |           |           |                 |         |           |   |          |
|--------|--|-------------|------|------|-----------|-----------|-----------------|---------|-----------|---|----------|
| O2.SM1 | O2.102.258S (1)<br>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)<br>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<br>IN | Cam Lift<br>EX | Duration | Lobe Center Angles | Valve Timing | Valve lift TDC | Clearance | Notes | Price |
|----------|----------------|-------------|----------------|----------------|----------|--------------------|--------------|----------------|-----------|-------|-------|
|----------|----------------|-------------|----------------|----------------|----------|--------------------|--------------|----------------|-----------|-------|-------|

## 1800-2000 16v Old models

|         |                                      |             |      |     |           |           |                 |         |  |  |          |
|---------|--------------------------------------|-------------|------|-----|-----------|-----------|-----------------|---------|--|--|----------|
| O16.SM1 | O16.103.280S (1)<br>O16.097.268S (1) | Road medium | 10.3 | 9.7 | 280°/268° | 112°/110° | 28°/72°-64°/24° | 1.7/1.0 |  |  | € 676.00 |
|---------|--------------------------------------|-------------|------|-----|-----------|-----------|-----------------|---------|--|--|----------|

## 1800-2000 16v Ecotec

|        |                                    |             |      |      |           |           |                 |         |  |  |          |
|--------|------------------------------------|-------------|------|------|-----------|-----------|-----------------|---------|--|--|----------|
| O3.SM1 | O3.105.272S (1)<br>O3.100.272S (1) | Road medium | 10.5 | 10.0 | 272°/272° | 110°/110° | 26°/66°-66°/26° | 1.3/1.1 |  |  | € 676.00 |
|--------|------------------------------------|-------------|------|------|-----------|-----------|-----------------|---------|--|--|----------|

## 1800-2000 16v New models

|        |  |             |     |     |           |           |                 |         |  |  |          |
|--------|--|-------------|-----|-----|-----------|-----------|-----------------|---------|--|--|----------|
| O4.SM1 | O4.096.258S.A (1)<br>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 |
|--------|--|-------------|-----|-----|-----------|-----------|-----------------|---------|--|--|----------|

## 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 |
|--------|-----------------|-------------|-----|-----|-----------|-----------|-----------------|---------|-----------|--|----------|

### 1600 - 16v

|          |  |             |     |     |           |           |                 |         |  |  |          |
|----------|--|-------------|-----|-----|-----------|-----------|-----------------|---------|--|--|----------|
| CS16.SS1 | CS16.094.260S.A (1)<br>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)<br>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<br>IN | Cam Lift<br>EX | Duration | Lobe Center Angles | Valve Timing | Valve lift TDC | Clearance | Notes | Price |
|----------|----------------|-------------|----------------|----------------|----------|--------------------|--------------|----------------|-----------|-------|-------|
|----------|----------------|-------------|----------------|----------------|----------|--------------------|--------------|----------------|-----------|-------|-------|

|          |  |          |      |      |           |           |                 |         |           |      |          |
|----------|--|----------|------|------|-----------|-----------|-----------------|---------|-----------|------|----------|
| CS16.ST1 | CS16.102.280S.A (1)<br>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)<br>P206.094.260S (1) | Road medium | 9.6 | 9.4 | 258°/260° | 110°/110° | 19°/59°-60°/20° | 0.8/0.8 |  |  | € 697.00 |
|----------|--|-------------|-----|-----|-----------|-----------|-----------------|---------|--|--|----------|

## 306 - 2000 16v RALLYE - GTI 130 Kw

|          |  |             |      |      |           |           |                 |         |           |   |          |
|----------|--|-------------|------|------|-----------|-----------|-----------------|---------|-----------|---|----------|
| P216.ST1 | P216.1082.278S (1)<br>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)<br>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)<br>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)<br>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)<br>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)<br>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)<br>R2R.055.280S (1) | Road medium | 5.7 | 5.5 | 286°/280° | 124°/124°<br>104°/124° | 19°/87°-70°/30°<br>39°/52°-70°/30° | 0.5/1.2<br>3.5/1.2 |  |  | € 724.00 |
|---------|--------------------------------------|-------------|-----|-----|-----------|------------------------|------------------------------------|--------------------|--|--|----------|

# COLOMBO & BARIANI - SPECIAL CAMSHAFTS CATALOG

October 2009

| Part No. | Camshaft codes | Application | Cam Lift<br>IN | Cam Lift<br>EX | Duration | Lobe Center Angles | Valve Timing | Valve lift TDC | Clearance | Notes | Price |
|----------|----------------|-------------|----------------|----------------|----------|--------------------|--------------|----------------|-----------|-------|-------|
|----------|----------------|-------------|----------------|----------------|----------|--------------------|--------------|----------------|-----------|-------|-------|

## CLIO 1400-1600 16v Roller tappet

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

## 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 |
|-------|----------------|-------------|-----|-----|-----------|-----------|-----------------|---------|--|--|----------|

## SUBARU

### IMPREZA without phase variator

|        |  |             |      |     |           |           |                 |         |           |  |            |
|--------|--|-------------|------|-----|-----------|-----------|-----------------|---------|-----------|--|------------|
| SI.SM1 | SI.103.256S.A1 (1)<br>SI.103.256S.A2 (1)<br>SI.099.246S.S1 (1)<br>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 |
|--------|--|-------------|------|-----|-----------|-----------|-----------------|---------|-----------|--|------------|

### IMPREZA with phase variator

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

## 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 |
|-------|----------------|-------------|------|-----|-----------|-----------|-----------------|---------|----|--|----------|

### 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 |
|--------|------------------|-------------|------|------|-----------|-----------|-----------------|---------|--|--|----------|

# COLOMBO & BARIANI - SPECIAL CAMSHAFTS CATALOG

October 2009

| Part No. | Camshaft codes | Application | Cam Lift<br>IN | Cam Lift<br>EX | Duration | Lobe Center Angles | Valve Timing | Valve lift TDC | Clearance | Notes | Price |
|----------|----------------|-------------|----------------|----------------|----------|--------------------|--------------|----------------|-----------|-------|-------|
|----------|----------------|-------------|----------------|----------------|----------|--------------------|--------------|----------------|-----------|-------|-------|

## 1400 16v 75-101 hp Roller tappet

|          |  |             |     |     |           |           |                 |         |  |  |          |
|----------|--|-------------|-----|-----|-----------|-----------|-----------------|---------|--|--|----------|
| V14R.SM1 | V14R.046.248S.A (1)<br>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 |
|----------|--|-------------|-----|-----|-----------|-----------|-----------------|---------|--|--|----------|

## GOLF GTI 1800 16v

|         |                                      |             |      |     |           |           |                 |         |  |  |          |
|---------|--------------------------------------|-------------|------|-----|-----------|-----------|-----------------|---------|--|--|----------|
| V16.SM1 | V16.103.280S (1)<br>V16.097.268S (1) | Road medium | 10.3 | 9.7 | 280°/268° | 112°/112° | 28°/72°-64°/24° | 1.9/1.0 |  |  | € 671.00 |
|---------|--------------------------------------|-------------|------|-----|-----------|-----------|-----------------|---------|--|--|----------|

## GOLF GTI 2000 16v

|          |  |             |      |      |           |           |                 |         |  |  |          |
|----------|--|-------------|------|------|-----------|-----------|-----------------|---------|--|--|----------|
| V216.SM1 | V216.114.278S.A (1)<br>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 |
|----------|--|-------------|------|------|-----------|-----------|-----------------|---------|--|--|----------|

## 1800 Turbo 20v

|        |                 |             |     |  |        |           |             |      |  |    |          |
|--------|-----------------|-------------|-----|--|--------|-----------|-------------|------|--|----|----------|
| VT.SM1 | VT.084.262S (1) | Road medium | 8.4 |  | 262°/° | 110°/110° | 21°/61°-°/° | 0.7/ |  | 19 | € 400.00 |
|--------|-----------------|-------------|-----|--|--------|-----------|-------------|------|--|----|----------|

## 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 |
|---------|------------------|-------------|-----|-----|-----------|-----------|-----------------|---------|--|----|----------|

## YAMAHA

### T-Max 500 (all models)

|          |  |             |     |     |           |           |                 |         |           |  |          |
|----------|--|-------------|-----|-----|-----------|-----------|-----------------|---------|-----------|--|----------|
| TMAX.SM1 | TMAX.086.286S (1)<br>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)<br>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.