

## HONDA XL-175

Hardfaced (HF) cam, on customer core.

| CAM NUMBER | VALVE LIFT | DURATION AT .010" | LOBE CENTERS | DESCRIPTION AND APPLICATION   | INTAKE OPEN/CLOSE EXHAUST OPEN/CLOSE | RUNNING CLEARANCE |
|------------|------------|-------------------|--------------|---|--------------------------------------|-------------------|
| 130-00     | .350"      | 250°              | 111°         | Mild improvement for off-road. OK with stock pistons and springs.                   | 14 btc/56 abc                        | .003"             |
|            | .350"      | 248°              | 102°         |   | 46 bbc/22 atc                        | .003"             |
| 130-40     | .380"      | 282°              | 106°         | Maximum performance. Mid-range and top-end performance for racing and off-road use. | 35 btc/67 abc                        | .004"             |
|            | .380"      | 283°              | 107.5°       |   | 69 bbc/34 atc                        | .004"             |

Megacycle needle bearing cams do not have a tach drive gear. Machining of cylinder head and cover is required to install our needle bearing cams.

## HONDA XL-250/350 (up to 1976) 250=1972—1976 350=1974—1978



Hardfaced cam (HF) on billet core.

New needle bearing cam (NB) no core needed.

Machine customer cylinder head 127-HD for (NB) cam.

Rocker arms (127-RA) weld and grind/cost each cust cores.

#127-02 Slotted cam sprocket.

#206-H R/D valve spring kit with aluminum tops, to .425" lift.

#229-H R/D valve spring kit with **titanium tops**, to .425" lift.

HVS-250 Norris valve springs/use stock tops to .380" lift.

#24-0009 Replacement oil seal for NB cam.

| CAM NUMBER | VALVE LIFT | DURATION AT .040" | LOBE CENTERS | DESCRIPTION AND APPLICATION   | INTAKE OPEN/CLOSE EXHAUST OPEN/CLOSE | RUNNING CLEARANCE |
|------------|------------|-------------------|--------------|---|--------------------------------------|-------------------|
| 127-00     | .345"      | 241°              | 100.5°       | OK with stock pistons and springs.  | 20 btc/41 abc                        | .003"             |
|            | .310"      | 243°              | 103.5°       | Increased mid-range, improved torque.   | 45 bbc/18 atc                        | .003"             |
| 127-20     | .356"      | 250°              | 103°         | Best all around on and off-road cam. OK with stock XL-350 piston. Must check clearance in XL-250. Great mid-range and top-end. Use HVS-250 valve springs.         | 22 btc/ 48 abc                       | .003"             |
|            | .332"      | 252°              | 104°         |   | 50 bbc/22 atc                        | .003"             |
| 127-40     | .365"      | 243°              | 103.5°       | Use with modified piston and springs. Best cam for TT, moto-X. Great throttle response  | 18 btc/45 abc                        | .004"             |
|            | .365"      | 243°              | 103.5°       |   | 45 bbc/18 atc                        | .004"             |
| 127-60     | .417"      | 250°              | 101°         | 1/8 and 1/4 mile modified midget profile. Strongest mid to upper range cam. Must use racing piston and springs. Smooth power band.                                | 24 btc/46 abc                        | .004"             |
|            | .374"      | 250°              | 101°         |   | 46 bbc/24 atc                        | .004"             |
| 127-90     | .415"      | 276°              | 105°         | Full race cam. Maximum top-end power. For high R.P.M. applications. 3/8 and 1/2 mile. Must use #229-H, and racing piston. Must grind cylinder head for clearance. | 33 btc/63 abc                        | .005"             |
|            | .405"      | 273°              | 103.5°       |   | 60 bbc/33 atc                        | .005"             |

Align boring of a damaged cylinder head is needed to use our needle bearing cams. We bore cylinder heads every 15 days. Send head, cover and 4 bolts. Extra cost to remove studs. Extra charge for welding to repair extensively damaged cylinder heads.

