

# 3702602

turbo conversion

Mazda BP-Z3 vvt in

I-4cyl 1.8L 16v DOHC (DTs/DTs)



## intake

## exhaust

### camshaft data:

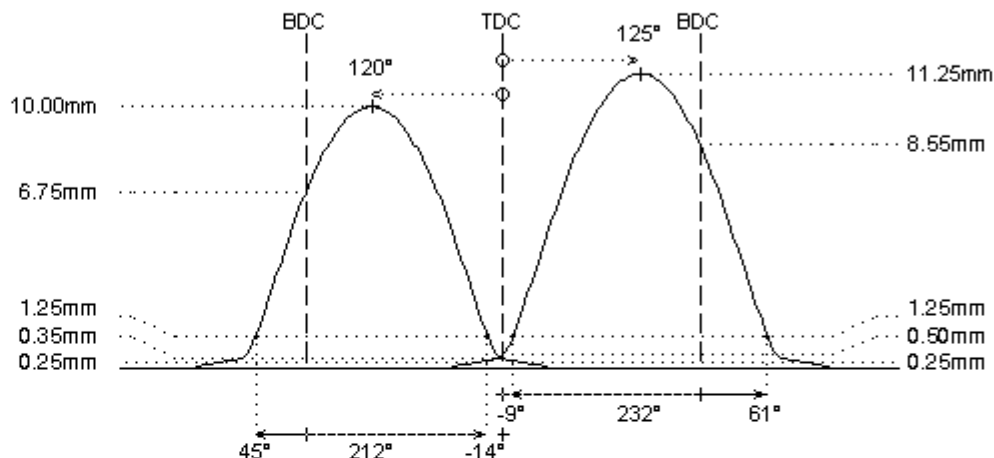
|                  |             |            |
|------------------|-------------|------------|
| lash ramp        | : 0.25mm    | 0.25mm     |
| duration @ 0.1mm | : 264°      | 242°       |
| duration @ 1.0mm | : 232°      | 211°       |
| valve lift       | : 11.25mm   | 10.00mm    |
| cam lift         | :           |            |
| lobe angle       | : 125°      | 120°       |
| timing @ 1.0mm   | : -9° / 61° | 45° / -14° |
| valve lift @ TDC | : 0.50mm    | 0.35mm     |

### parts setup:

|                   |            |            |
|-------------------|------------|------------|
| cam wheels :      | :          | CTMA023    |
| follower :        | CC017      | CC017      |
| valve lash :      | TS101      | TS101      |
| valve :           | O.E.M.     | O.E.M.     |
| valve locks :     | O.E.M.     | O.E.M.     |
| upper retainer :  | O.E.M.     | O.E.M.     |
| lower retainer :  | O.E.M.     | O.E.M.     |
| exterior spring : | PAC-S90015 | PAC-S90015 |
| interior spring : |            |            |

|                      |                 |                 |
|----------------------|-----------------|-----------------|
| fitted load / length | : 28kg @ 39.3mm | : 28kg @ 39.3mm |
| max. load / lift     | : 74kg @ 13.0mm | : 74kg @ 13.0mm |

### REMARKS :



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- # more profiles available, contact CatCams for more info
- # FOR COMPETITION APPLICATIONS ONLY. Following details must be verified:
  - the camshafts must turn smooth in the cylinderhead, provide free travel by machining where needed
  - distance between valve seal and retainer at full lift must be 0.6mm at least
  - minimum valve spring travel of 1.0mm at full lift must be provided
  - distance between valve and piston 1.0mm (pref. 1.5mm). check 5-15° before TDC on exhaust, and after TDC on intake
- # ONLY for dirt track applications and pro street use with adjustable engine management or carburetors
- # for TURBO conversion (atmospheric to turbo)