

7602301

full race

Volkswagen BYD TFSI 230hp

I-4cyl 2.0L 16v DOHC (RPRH/RPRH)



intake

exhaust

camshaft data:

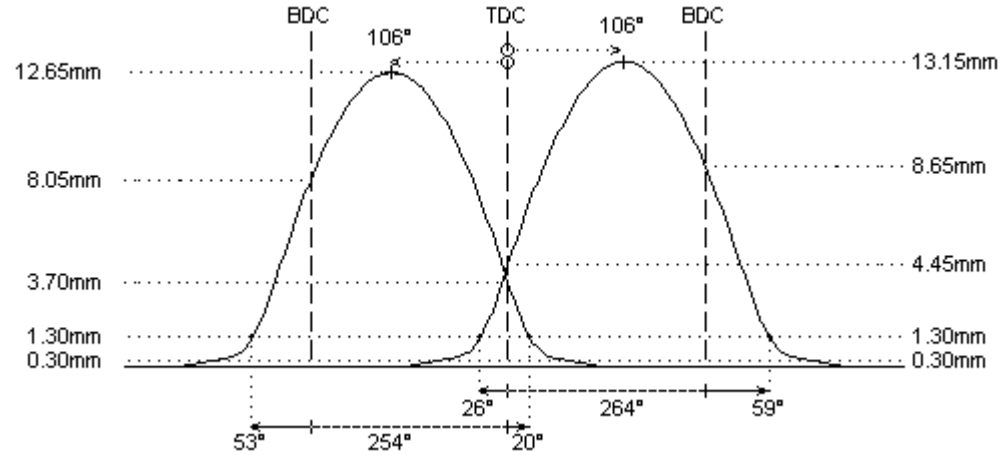
lash ramp	: 0.30mm	0.30mm
duration @ 0.1mm	: 318°	302°
duration @ 1.0mm	: 265°	253°
valve lift	: 13.15mm	12.65mm
cam lift	: 13.15mm	12.65mm
lobe angle	: 106°	106°
timing @ 1.0mm	: 26° / 59°	53° / 20°
valve lift @ TDC	: 4.45mm	3.70mm

parts setup:

cam wheels :	:	: CTVW038
follower	: O.E.M.	: O.E.M.
valve lash	: CC084	: CC084
valve	: O.E.M.	: O.E.M.
valve locks	: O.E.M.	: O.E.M.
upper retainer	: 99545/s	: 99545/s
lower retainer	: 99546/s	: 99546/s
exterior spring	: PAC-E99865	: PAC-E99865
interior spring	: PAC-I99865	: PAC-I99865
fitted load / length	: 30kg @ 31.0mm	: 34kg @ 30.0mm
max. load / lift	: 79kg @ 13.5mm	: 79kg @ 12.5mm

REMARKS :

machining of cylinder head NOT required #
use PAC-D99864 dual valve spring + 99423 upper retainer + 99503 lower retainer for 88kg MAX possible load, requires head machining to clear outer diameter



REMARKS :

- # - camshafts for use with stand alone injection setup
- no fuel lobe
- including adjustable sprockets for connecting chain (VVT sprocket can be used as well)
- # 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 use in competition engines with independent engine management (throttle position sensor) or carburetors
- # for ATMO engines