

# 7602301

full race

Volkswagen BYD-BWJ-BHZ TFSI 230-240-265hp

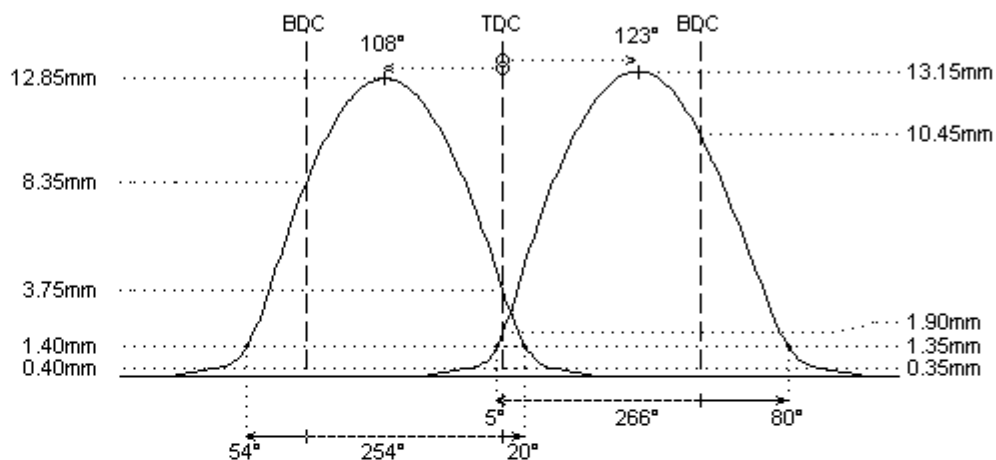
I-4cyl 2.0L 16v DOHC (RPRH/RPRH)



	intake	exhaust
<b>camshaft data:</b>		
lash ramp	: 0.35mm	0.38mm
duration @ 0.1mm	: 309°	293°
duration @ 1.0mm	: 265°	254°
valve lift	: 13.15mm	12.85mm
cam lift	: 7.80mm	7.55mm
lobe angle	: 123°	108°
timing @ 1.0mm	: 5° / 80°	54° / 20°
valve lift @ TDC	: 1.90mm	3.75mm
<b>parts setup:</b>		
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