

# 1304405

sport

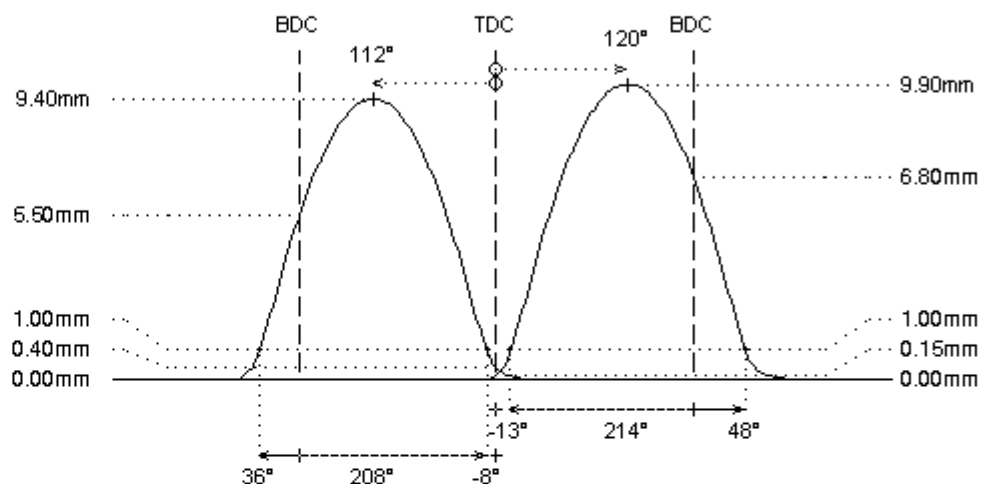
Bmw M52TU B20 150hp, vanos in+ex

I-6cyl 2.0L 24v DOHC (DTH/DTH)



	intake	exhaust
<b>camshaft data:</b>		
lash ramp	: hydro	hydro
duration @ 0.1mm	: 257°	247°
duration @ 1.0mm	: 215°	208°
valve lift	: 9.90mm	9.40mm
cam lift	:	
lobe angle	: 120°	112°
timing @ 1.0mm	: -13° / 48°	36° / -8°
valve lift @ TDC	: 0.15mm	0.40mm
<b>parts setup:</b>		
cam wheels :	:	:
follower :	O.E.M.	O.E.M.
valve lash :	O.E.M.	O.E.M.
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 :	O.E.M.	O.E.M.
interior spring :		
fitted load / length	: 25kg @ 36.9mm	: 22kg @ 37.6mm
max. load / lift	: 60kg @ 10.0mm	: 60kg @ 10.5mm

REMARKS :



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# - steel billet camshafts

# The VANOS (VVT) system on the intake camshaft changes the PD from 120° to 80°. The data are shown for full intake retard (disengaged VVT).

The VANOS (VVT) system on the exhaust camshaft changes the PD from 112° to 87°. The data are shown for full exhaust advance (disengaged VVT).

Check distance between valves and piston to be 1mm at least with VVT engaged. Wrong installation will cause severe engine damage!