

# 1031602

sport

Alfa Romeo AR321.02 VVT intake

I-4cyl 1.6L 16v DOHC (DTH/DTH)



**intake**                      **exhaust**

**camshaft data:**

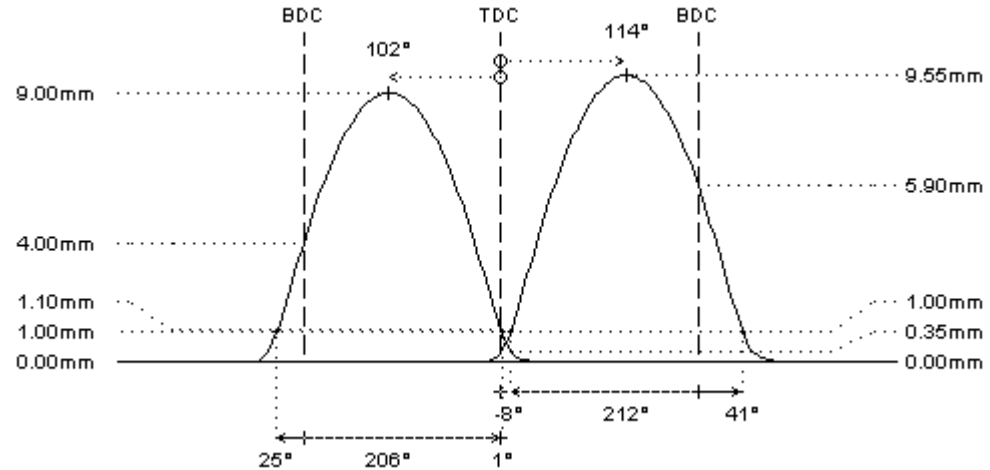
lash ramp	: hydro	hydro
duration @ 0.1mm	: 250°	237°
duration @ 1.0mm	: 212°	206°
valve lift	: 9.55mm	9.00mm
cam lift	:	
lobe angle	: 114°	102°
timing @ 1.0mm	: -8° / 40°	25° / 1°
valve lift @ TDC	: 0.35mm	1.10mm

**parts setup:**

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	: O.E.M.	: O.E.M.

fitted load / length	: 39kg @ 33.8mm	: 39kg @ 33.8mm
max. load / lift	: 80kg @ 10.5mm	: 77kg @ 10.0mm

**REMARKS :**



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- # steel billet camshafts  
camshafts for use with STD VVT (vanos) system
- # The VANOS (VVT) system on the intake camshaft changes the PD from 114° to 89°.  
The data are shown for full intake retard (disengaged VVT). Check distance between valves and piston to be 1mm at least with VVT engaged. Wrong installation will cause severe engine damage!