

# 4600702

sport

Opel C20XE without distributor (DIS)

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



	intake	exhaust
--	--------	---------

**camshaft data:**

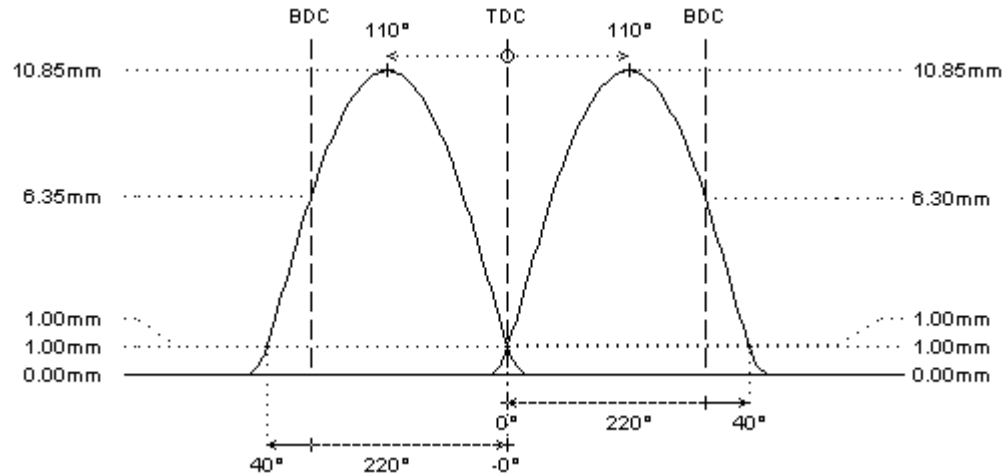
lash ramp	: hydro	hydro
duration @ 0.1mm	: 245°	245°
duration @ 1.0mm	: 220°	220°
valve lift	: 10.85mm	10.85mm
cam lift	:	
lobe angle	: 110°	110°
timing @ 1.0mm	: -0° / 40°	40° / -0°
valve lift @ TDC	: 1.00mm	1.00mm

**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	:	:

fitted load / length	: 26kg @ 33.3mm	: 28kg @ 32.9mm
max. load / lift	: 71kg @ 11.0mm	: 71kg @ 10.6mm

**REMARKS :**



**REMARKS :**

# - profiles for use with original hydraulic cam followers

# 4600733

hot street - dirt track

Opel C20XE without distributor (DIS)

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



### intake

### exhaust

#### camshaft data:

lash ramp	: hydro	hydro
duration @ 0.1mm	: 274°	274°
duration @ 1.0mm	: 236°	236°
valve lift	: 12.00mm	12.00mm
cam lift	:	
lobe angle	: 110°	110°
timing @ 1.0mm	: 8° / 48°	48° / 8°
valve lift @ TDC	: 2.00mm	1.95mm

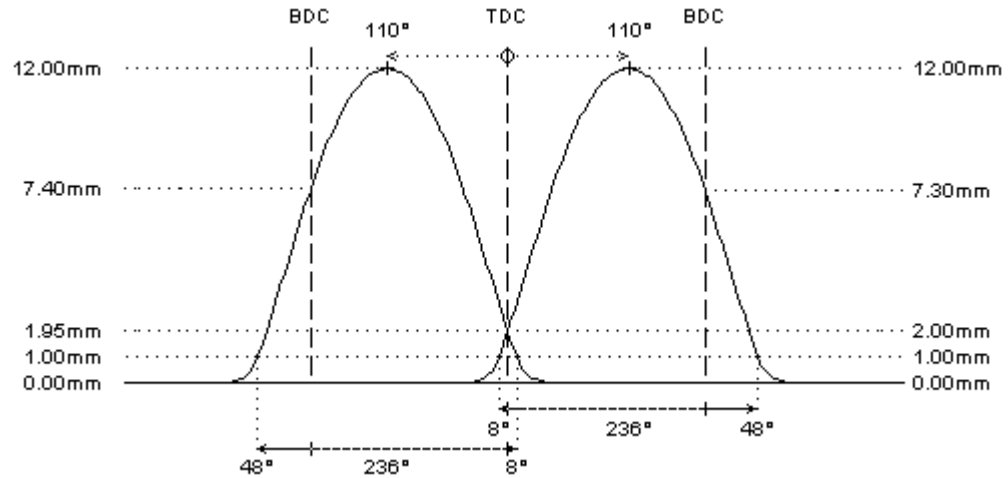
#### parts setup:

cam wheels :	: <b>CTOP031</b>	: <b>CTOP031</b>
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	: <b>99341</b>	: <b>99341</b>
lower retainer	: <b>remove</b>	: <b>remove</b>
exterior spring	: <b>PAC-E92009</b>	: <b>PAC-E92009</b>
interior spring	: <b>PAC-I92009</b>	: <b>PAC-I92009</b>

fitted load / length	: 33kg @ 33.5mm	: 33kg @ 33.5mm
max. load / lift	: 94kg @ 12.5mm	: 94kg @ 12.5mm

#### REMARKS :

# replace OEM lower retainer to obtain a correct installation / fitted length (currently not available)



#### REMARKS :

# - profiles for use with original hydraulic cam followers

# 4600736

sport

Opel C20XE without distributor (DIS)

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



### intake

### exhaust

#### camshaft data:

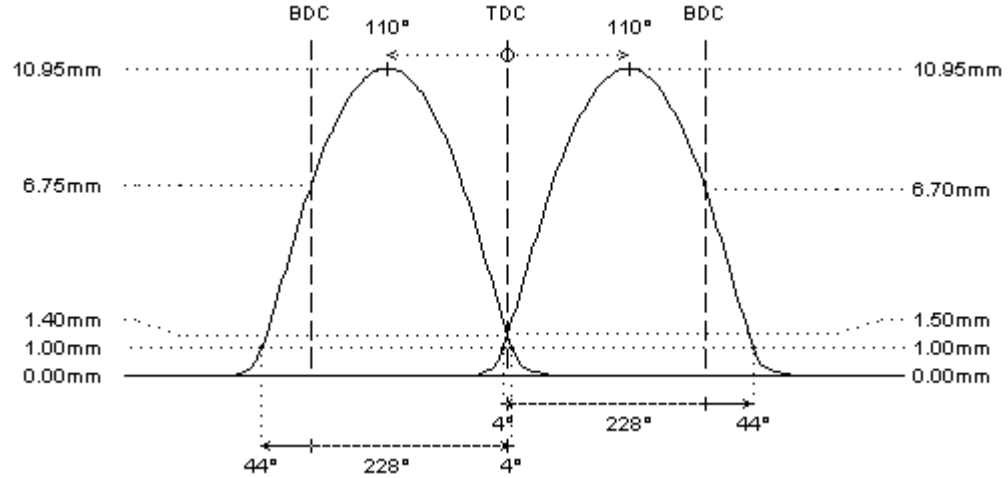
lash ramp	: hydro	hydro
duration @ 0.1mm	: 268°	268°
duration @ 1.0mm	: 228°	228°
valve lift	: 10.95mm	10.95mm
cam lift	:	
lobe angle	: 110°	110°
timing @ 1.0mm	: 4° / 44°	44° / 4°
valve lift @ TDC	: 1.50mm	1.40mm

#### parts setup:

cam wheels :	: <b>CTOP031</b>	: <b>CTOP031</b>
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	: 26kg @ 33.3mm	: 28kg @ 32.9mm
max. load / lift	: 71kg @ 11.0mm	: 71kg @ 10.6mm

#### REMARKS :



#### REMARKS :

# - profiles for use with original hydraulic cam followers

# 4600748

turbo conversion

Opel C20XE without distributor (DIS)

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



### intake

### exhaust

#### camshaft data:

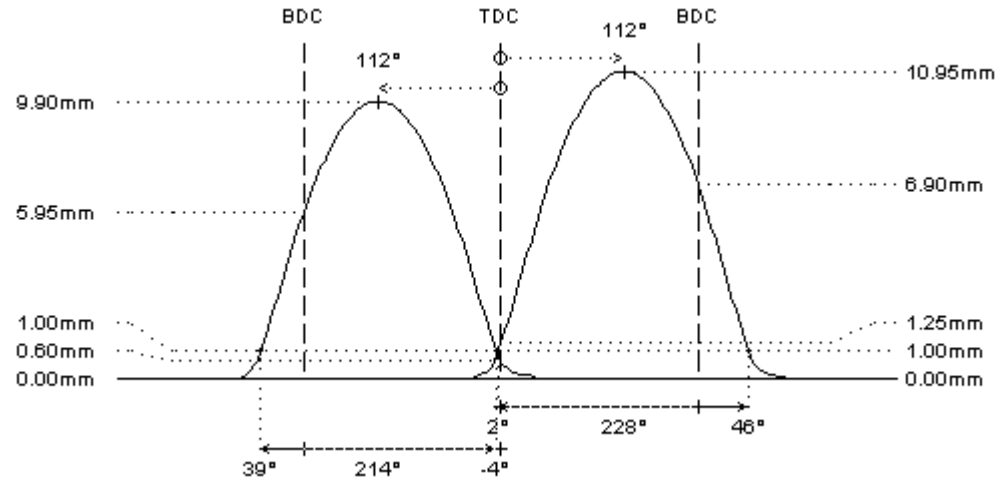
lash ramp	: hydro	hydro
duration @ 0.1mm	: 268°	257°
duration @ 1.0mm	: 228°	215°
valve lift	: 10.95mm	9.90mm
cam lift	:	
lobe angle	: 112°	112°
timing @ 1.0mm	: 2° / 46°	39° / -4°
valve lift @ TDC	: 1.25mm	0.60mm

#### parts setup:

cam wheels :	: <b>CTOP031</b>	: <b>CTOP031</b>
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	: 26kg @ 33.3mm	: 28kg @ 32.9mm
max. load / lift	: 71kg @ 11.0mm	: 71kg @ 10.6mm

#### REMARKS :



#### REMARKS :

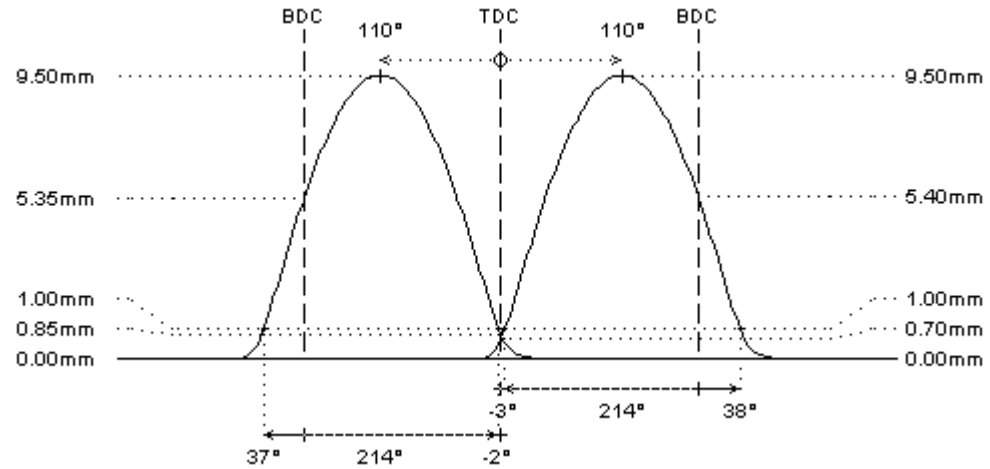
# - profiles for use with original hydraulic cam followers

O.E.M.

Opel C20XE without distributor (DIS)  
I-4cyl 2.0L 16v DOHC (DTH/DTH)



	intake	exhaust
<b>camshaft data:</b>		
lash ramp	: hydro	hydro
duration @ 0.1mm	: 252°	252°
duration @ 1.0mm	: 215°	215°
valve lift	: 9.50mm	9.50mm
cam lift	:	
lobe angle	: 110°	110°
timing @ 1.0mm	: -3° / 38°	37° / -2°
valve lift @ TDC	: 0.70mm	0.85mm
<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	: 26kg @ 33.3mm	: 28kg @ 32.9mm
max. load / lift	: 71kg @ 11.0mm	: 71kg @ 10.6mm



**REMARKS :**

# - profiles for use with original hydraulic cam followers

**REMARKS :**