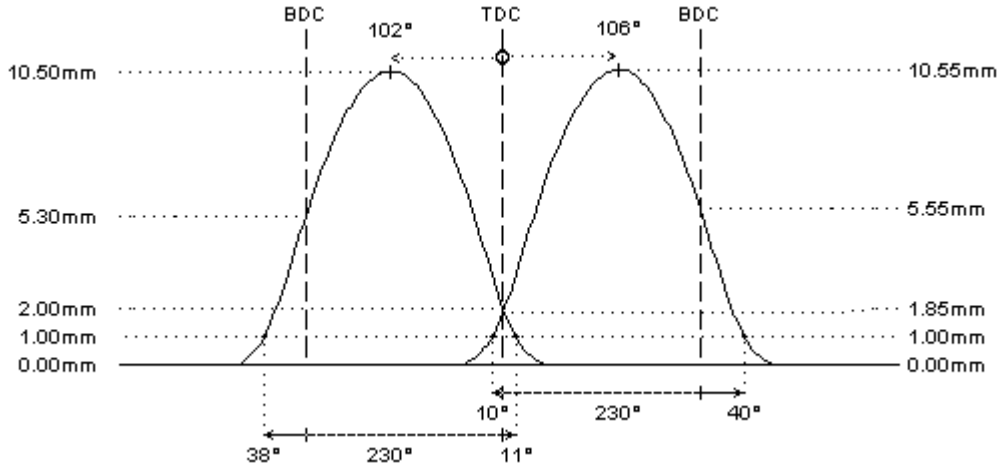
4600315

sport

Opel OHC small block (1.2 > 1.6L)

I-4cyl 1.6L 8v SOHC (RPH/RPH)

	intake	exhaust
camshaft data:		
lash ramp	: hydro	hydro
duration @ 0.1mm	: 272°	270°
duration @ 1.0mm	: 230°	229°
valve lift	: 10.55mm	10.50mm
cam lift	: 6.55mm	6.50mm
lobe angle	: 106°	102°
timing @ 1.0mm	: 10° / 40°	38° / 11°
valve lift @ TDC	: 1.85mm	2.00mm



REMARKS :

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	: ✕ **not available**	: ✕ **not available**
interior spring		
fitted load / length	: 0kg @ 0.0mm	: 0kg @ 0.0mm
max. load / lift	: 0kg @ 0.0mm	: 0kg @ 0.0mm

REMARKS :

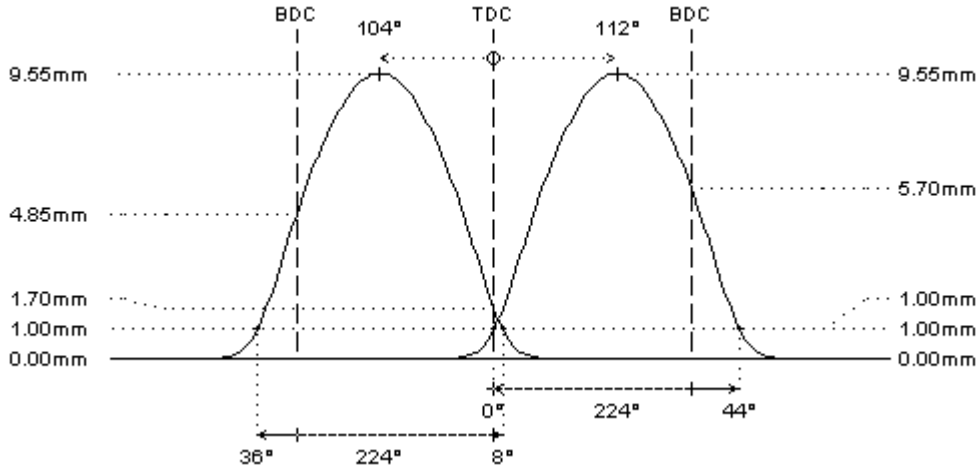
4600318

sport

Opel OHC small block (1.2 > 1.6L)

I-4cyl 1.6L 8v SOHC (RPH/RPH)

	intake	exhaust
camshaft data:		
lash ramp	: hydro	hydro
duration @ 0.1mm	: 274°	274°
duration @ 1.0mm	: 224°	224°
valve lift	: 9.55mm	9.55mm
cam lift	: 6.10mm	6.10mm
lobe angle	: 112°	104°
timing @ 1.0mm	: -0° / 44°	36° / 8°
valve lift @ TDC	: 1.00mm	1.70mm



REMARKS :

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	: ✕ **not available**	: ✕ **not available**
interior spring		
fitted load / length	: 0kg @ 0.0mm	: 0kg @ 0.0mm
max. load / lift	: 0kg @ 0.0mm	: 0kg @ 0.0mm

REMARKS :

4600320

hot street - dirt track

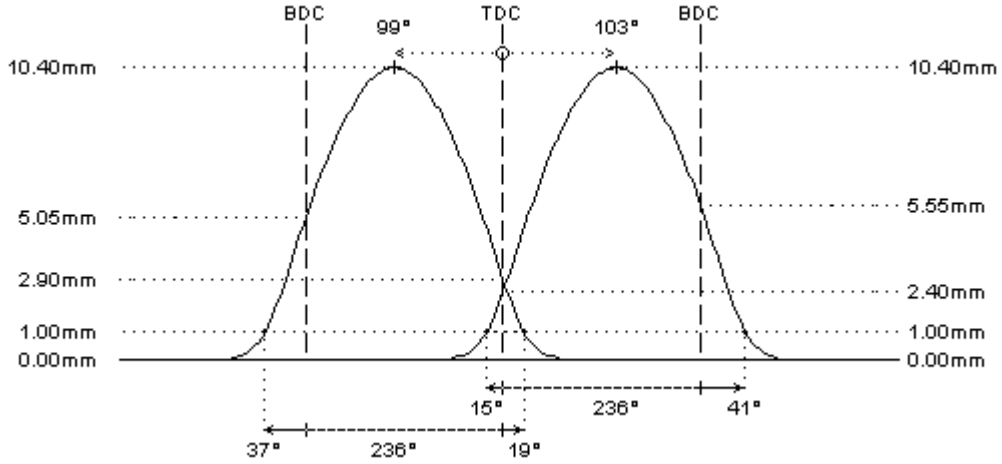
Opel OHC small block (1.2 > 1.6L)

I-4cyl 1.6L 8v SOHC (RPH/RPH)

	intake	exhaust
camshaft data:		
lash ramp	: hydro	hydro
duration @ 0.1mm	: 285°	285°
duration @ 1.0mm	: 236°	236°
valve lift	: 10.40mm	10.40mm
cam lift	: 6.60mm	6.60mm
lobe angle	: 103°	99°
timing @ 1.0mm	: 15° / 41°	37° / 19°
valve lift @ TDC	: 2.40mm	2.90mm

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	: ✕ **not available**	: ✕ **not available**
interior spring		
fitted load / length	: 0kg @ 0.0mm	: 0kg @ 0.0mm
max. load / lift	: 0kg @ 0.0mm	: 0kg @ 0.0mm

REMARKS :



REMARKS :

FOR COMPETITION APPLICATIONS ONLY. Following details must be verified:
- the camshafs 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 dirt track applications and pro street use with adjustable engine management or carburettors

4600338

hot street - dirt track

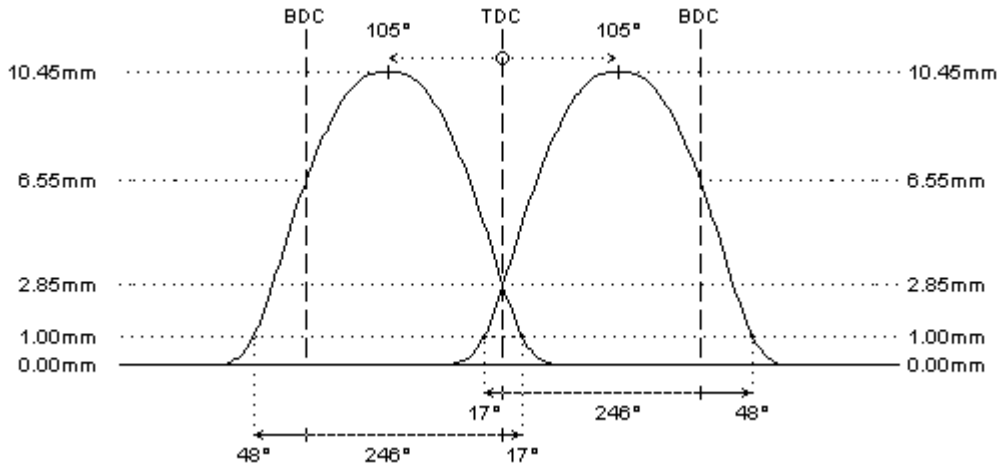
Opel OHC small block (1.2 > 1.6L)

I-4cyl 1.6L 8v SOHC (RPH/RPH)

	intake	exhaust
camshaft data:		
lash ramp	: hydro	hydro
duration @ 0.1mm	: 285°	285°
duration @ 1.0mm	: 245°	245°
valve lift	: 10.45mm	10.45mm
cam lift	: 6.60mm	6.60mm
lobe angle	: 105°	105°
timing @ 1.0mm	: 17° / 48°	48° / 17°
valve lift @ TDC	: 2.85mm	2.85mm

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	: ✕ **not available**	: ✕ **not available**
interior spring		
fitted load / length	: 0kg @ 0.0mm	: 0kg @ 0.0mm
max. load / lift	: 0kg @ 0.0mm	: 0kg @ 0.0mm

REMARKS :



REMARKS :

FOR COMPETITION APPLICATIONS ONLY. Following details must be verified:
- the camshafs 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 dirt track applications and pro street use with adjustable engine management or carburettors

4600339

tarmac rally - race

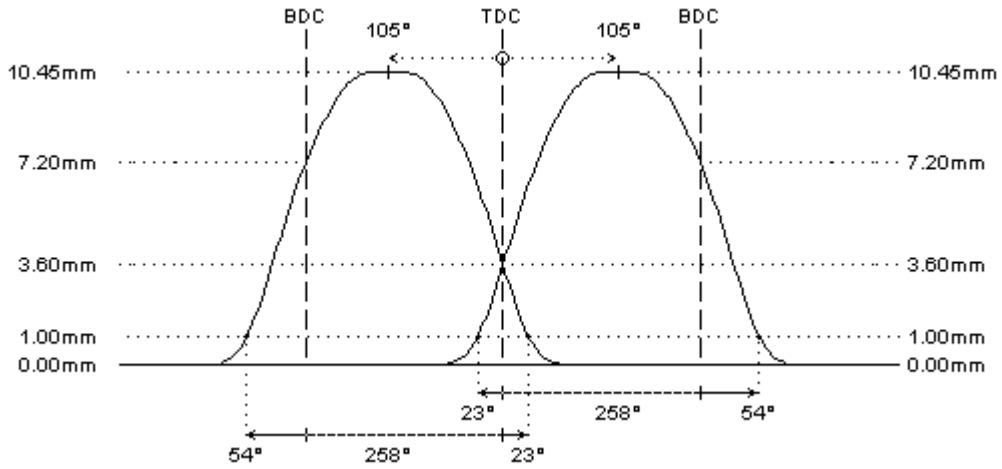
Opel OHC small block (1.2 > 1.6L)

I-4cyl 1.6L 8v SOHC (RPH/RPH)

	intake	exhaust
camshaft data:		
lash ramp	: hydro	hydro
duration @ 0.1mm	: 297°	297°
duration @ 1.0mm	: 257°	257°
valve lift	: 10.45mm	10.45mm
cam lift	: 6.60mm	6.60mm
lobe angle	: 105°	105°
timing @ 1.0mm	: 23° / 54°	54° / 23°
valve lift @ TDC	: 3.60mm	3.60mm

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	: ✕ **not available**	: ✕ **not available**
interior spring		
fitted load / length	: 0kg @ 0.0mm	: 0kg @ 0.0mm
max. load / lift	: 0kg @ 0.0mm	: 0kg @ 0.0mm

REMARKS :



REMARKS :

FOR COMPETITION APPLICATIONS ONLY. Following details must be verified:
- the camshafs 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 carburettors

4600340

tarmac rally - race

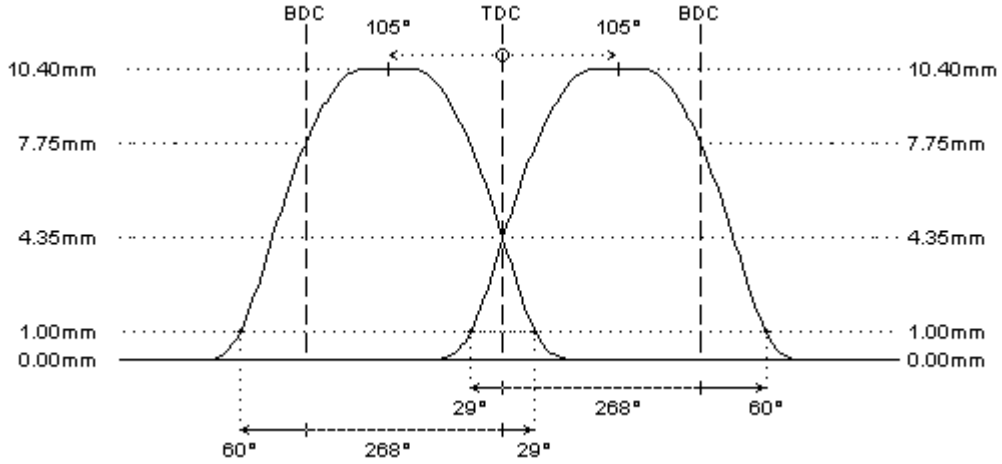
Opel OHC small block (1.2 > 1.6L)

I-4cyl 1.6L 8v SOHC (RPH/RPH)

	intake	exhaust
camshaft data:		
lash ramp	: hydro	hydro
duration @ 0.1mm	: 308°	308°
duration @ 1.0mm	: 269°	269°
valve lift	: 10.40mm	10.40mm
cam lift	: 6.55mm	6.55mm
lobe angle	: 105°	105°
timing @ 1.0mm	: 29° / 60°	60° / 29°
valve lift @ TDC	: 4.35mm	4.35mm

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	: ✕ **not available**	: ✕ **not available**
interior spring		
fitted load / length	: 0kg @ 0.0mm	: 0kg @ 0.0mm
max. load / lift	: 0kg @ 0.0mm	: 0kg @ 0.0mm

REMARKS :



REMARKS :

FOR COMPETITION APPLICATIONS ONLY. Following details must be verified:
- the camshafs 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 carburettors

4600444

full race

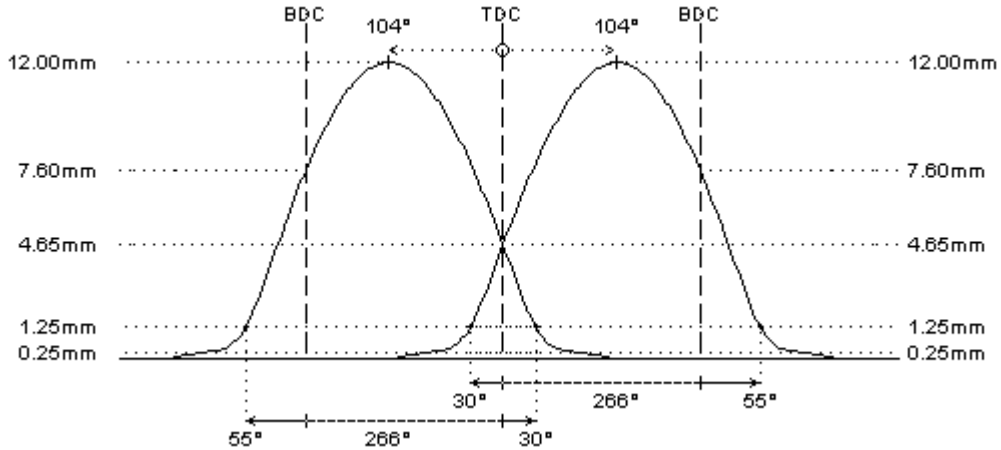
Opel OHC small block (1.2 > 1.6L)

I-4cyl 1.6L 8v SOHC (RPH/RPH)

	intake	exhaust
camshaft data:		
lash ramp	: 0.25mm	0.25mm
duration @ 0.1mm	: 309°	309°
duration @ 1.0mm	: 265°	265°
valve lift	: 12.00mm	12.00mm
cam lift	: 7.20mm	7.20mm
lobe angle	: 104°	104°
timing @ 1.0mm	: 30° / 55°	55° / 30°
valve lift @ TDC	: 4.65mm	4.65mm

parts setup:		
cam wheels :	:	:
follower	: O.E.M.	: O.E.M.
valve lash	: **CC081**	: **CC081**
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	: **not available**	: **not available**
interior spring		
fitted load / length	: 0kg @ 0.0mm	: 0kg @ 0.0mm
max. load / lift	: 0kg @ 0.0mm	: 0kg @ 0.0mm

REMARKS :



REMARKS :

FOR COMPETITION APPLICATIONS ONLY. Following details must be verified:
- the camshafs 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 carburettors

4600445

tarmac rally - race

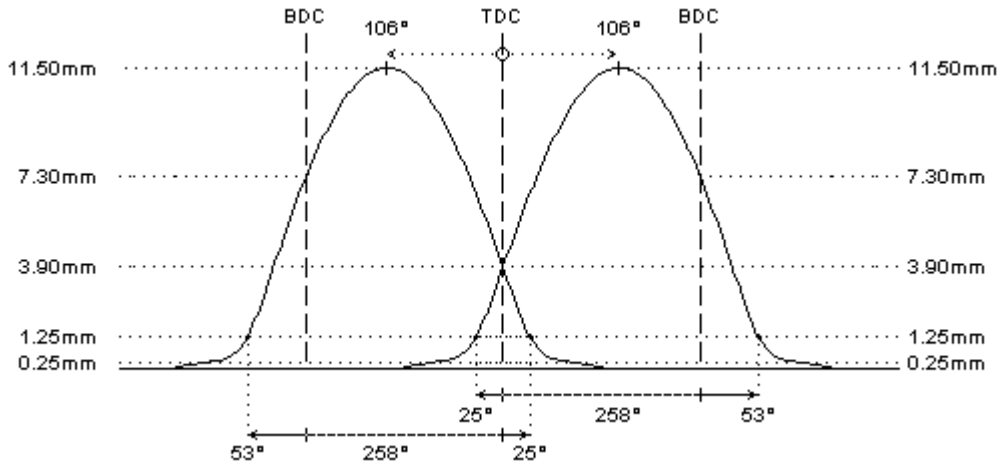
Opel OHC small block (1.2 > 1.6L)

I-4cyl 1.6L 8v SOHC (RPH/RPH)

	intake	exhaust
camshaft data:		
lash ramp	: 0.25mm	0.25mm
duration @ 0.1mm	: 301°	301°
duration @ 1.0mm	: 258°	258°
valve lift	: 11.50mm	11.50mm
cam lift	: 7.00mm	7.00mm
lobe angle	: 106°	106°
timing @ 1.0mm	: 25° / 53°	53° / 25°
valve lift @ TDC	: 3.90mm	3.90mm

parts setup:		
cam wheels :	:	:
follower	: O.E.M.	: O.E.M.
valve lash	: **CC081**	: **CC081**
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	: **not available**	: **not available**
interior spring		
fitted load / length	: 0kg @ 0.0mm	: 0kg @ 0.0mm
max. load / lift	: 0kg @ 0.0mm	: 0kg @ 0.0mm

REMARKS :



REMARKS :

FOR COMPETITION APPLICATIONS ONLY. Following details must be verified:
- the camshafs 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 carburettors

4600446

hot street - dirt track

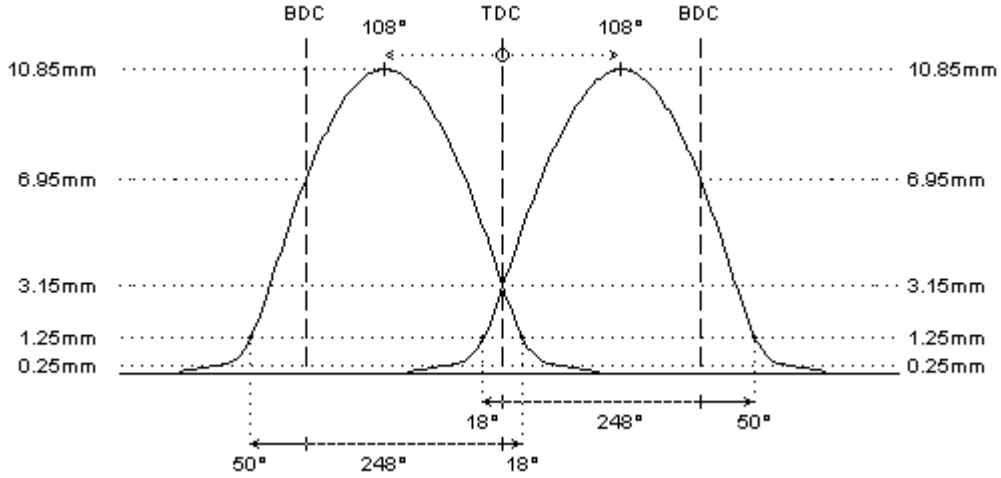
Opel OHC small block (1.2 > 1.6L)

I-4cyl 1.6L 8v SOHC (RPH/RPH)

	intake	exhaust
camshaft data:		
lash ramp	: 0.25mm	0.25mm
duration @ 0.1mm	: 292°	292°
duration @ 1.0mm	: 248°	248°
valve lift	: 10.85mm	10.85mm
cam lift	: 6.80mm	6.80mm
lobe angle	: 108°	108°
timing @ 1.0mm	: 18° / 50°	50° / 18°
valve lift @ TDC	: 3.15mm	3.15mm

parts setup:		
cam wheels :	:	:
follower	: O.E.M.	: O.E.M.
valve lash	: **CC081**	: **CC081**
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	: **not available**	: **not available**
interior spring		
fitted load / length	: 0kg @ 0.0mm	: 0kg @ 0.0mm
max. load / lift	: 0kg @ 0.0mm	: 0kg @ 0.0mm

REMARKS :



REMARKS :

FOR COMPETITION APPLICATIONS ONLY. Following details must be verified:
- the camshafs 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 dirt track applications and pro street use with adjustable engine management or carburettors

4600447

hot street - dirt track

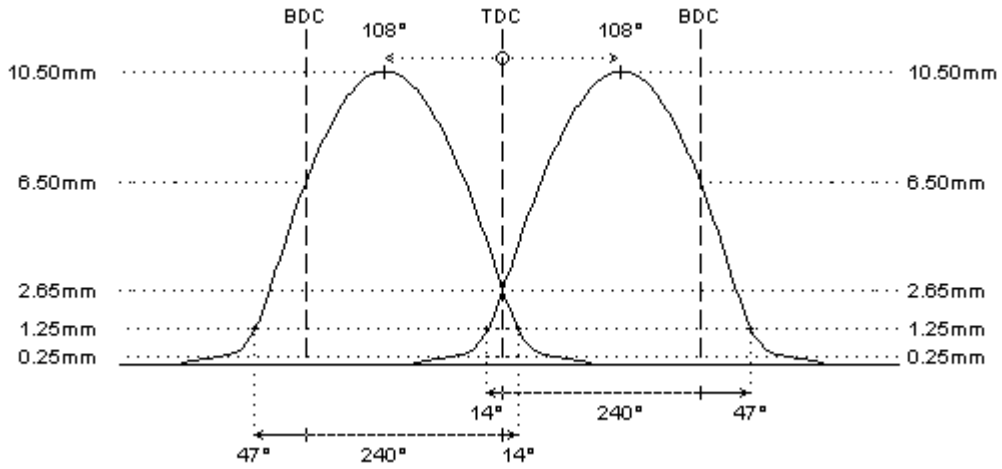
Opel OHC small block (1.2 > 1.6L)

I-4cyl 1.6L 8v SOHC (RPH/RPH)

	intake	exhaust
camshaft data:		
lash ramp	: 0.25mm	0.25mm
duration @ 0.1mm	: 284°	284°
duration @ 1.0mm	: 241°	241°
valve lift	: 10.50mm	10.50mm
cam lift	: 6.60mm	6.60mm
lobe angle	: 108°	108°
timing @ 1.0mm	: 14° / 47°	47° / 14°
valve lift @ TDC	: 2.65mm	2.65mm

parts setup:		
cam wheels :	:	:
follower	: O.E.M.	: O.E.M.
valve lash	: **CC081**	: **CC081**
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	: **not available**	: **not available**
interior spring		
fitted load / length	: 0kg @ 0.0mm	: 0kg @ 0.0mm
max. load / lift	: 0kg @ 0.0mm	: 0kg @ 0.0mm

REMARKS :



REMARKS :

FOR COMPETITION APPLICATIONS ONLY. Following details must be verified:
- the camshafs 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 dirt track applications and pro street use with adjustable engine management or carburettors

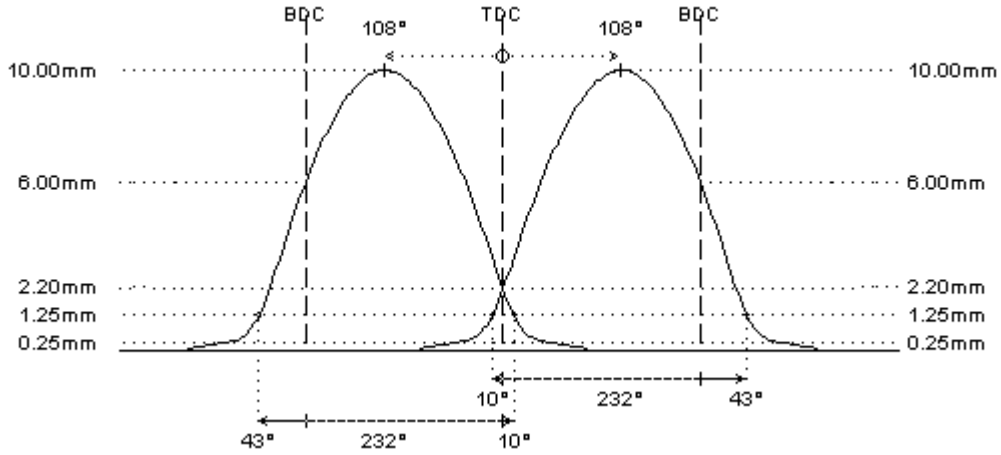
4600448

sport

Opel OHC small block (1.2 > 1.6L)

I-4cyl 1.6L 8v SOHC (RPH/RPH)

	intake	exhaust
camshaft data:		
lash ramp	: 0.25mm	0.25mm
duration @ 0.1mm	: 276°	276°
duration @ 1.0mm	: 233°	233°
valve lift	: 10.00mm	10.00mm
cam lift	: 6.30mm	6.30mm
lobe angle	: 108°	108°
timing @ 1.0mm	: 10° / 43°	43° / 10°
valve lift @ TDC	: 2.20mm	2.20mm



REMARKS :

parts setup:

cam wheels :	:	:
follower	: O.E.M.	: O.E.M.
valve lash	: **CC081**	: **CC081**
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	: **not available**	: **not available**
interior spring		
fitted load / length	: 0kg @ 0.0mm	: 0kg @ 0.0mm
max. load / lift	: 0kg @ 0.0mm	: 0kg @ 0.0mm

REMARKS :