



## Dart BBC Aluminum Big "M" Block

Part#	31264344 - 31264695
Material:	355-T61 Aluminum Alloy
Bore:	4.250", 4.500" & 4.600"
Bore & stroke:	4.625" x 4.750" (max recommended)
Cam bearing bore ID:	BBC - 2.1195" - 2.1205"
Cam bearings:	Special coated, grooved, w/3 oil holes
Cam bearing O.S.	+.010", +.020", +.030"
Cam bearing press:	.002"
Camshaft position:	Std. Location or .400" raised available
Camshaft to Crank $\emptyset$	5.152" Std. / 5.552" +.400
Camshaft snout:	BBC
Cam Drive:	Timing chain, Gear drive & Belt drive
Cam Plug:	2.375" Dia. Cup Plug w/ Snap ring
Cam Plug snap ring:	.030" thick
Cubic inch:	638.4" (max recommended)
Cylinder Wall Thickness:	Min @ 4.770 (+.030) is .070 - .080 thick
Deck Height:	9.800" & 10.200" +/- .002
Deck Thickness:	.625" min.
Fuel Pump:	Mechanical pump provision
Fuel Pump Pushrod:	Std. BBC pushrod (+.200" pushrod for raised .400" cam)
Freeze Plugs:	Threaded 1 5/16" OD (1.312")
Lifter Bores:	SBC .8427" - .8437"
Main bearing size:	Std. BBC
Main bearing bore:	2.937" - 2.938"
Main caps:	Steel - 4 bolt splayed .005" press
Oil system:	Wet or Dry Sump - Main Priority Oiling
Oil Pump shaft:	BBC shaft (Moroso #22074 is a hex design for +.400" cam)
Oil Filter:	Std. BBC Location
Oil Pan:	Standard pan bolt pattern, extra bolt holes provided for stroker clearance
Rear Main Seal	STD 2 pc seal / Fel-Pro# 2918
Serial No.	Left front & main caps
Sleeve OD:	4.740"
Sleeve O.S.	+.010", +.020" & +.030" available
Sleeve thickness:	4.250 Bore (.245) 4.500 Bore (.120) 4.600 Bore (.070)
Sleeve Length:	9.800 Deck (6.370) 10.200 Deck (6.770) 10.400 Deck (7.00)
Starter:	Mounts on either side
Studs, Mains:	1-5 Inner 1/2 x 4.850 2-4 Splayed 1/2 x 3.800 1 & 5 Outer 1/2 x 4.325
Studs, heads:	Must use our head studs
Studs holes, Head:	Blind holes
Stud length in block:	1.750"
Timing chain/gears	Std BBC or BBC +.400
Timing Cover:	Std BBC Timing Cover Dart 67240002 for +.400 cam
Torque Specs:	1-5 100 ft lbs with high pressure lube
Weight	9.800 x 4.250 bore (160lbs) - 9.800 x 4.500 bore (136lbs) 10.200 x 4.250 bore (168lbs) - 10.200 x 4.500 bore (144lbs)