

# 180cc SBC Eliminator Street Head

The Small Port, High Velocity Torque Monster



The AFR Emissions Legal (versions from 1969-94 with heat riser, CARB EO #D-250-2), 180cc intake port small block Chevy cylinder heads are available in your choice of straight, or L98 angle plug versions. These heads feature a 75cc or 65cc combustion chamber with a 64cc exhaust port and a 3/4" thick head deck (ideal for nitrous or blower applications.) Standard valves are lightweight 8mm 2.020 intake and 1.600 exhaust with AFR's hardened ductile iron interlocking valve seats. The exceptional flow characteristics, ideal operating range of idle to 5500 rpm (higher rpm ranges possible depending on combination of parts), 23° valve angle, and standard valve spacing make this the perfect street head for 327 cid to 350 cid engines from 1955-86. Also available for 1987 to present engines with center bolt valve covers and 2 center intake bolts at 72° angle (AFR #0919). No special parts are required (See footnotes page 47). Vortec style head available too. Dual valve cover bolt pattern is standard. Exhaust port is raised .100 over GM L98 Heads.

**Note:** Hydraulic roller cams typically experience valve float at 6200-6400 rpm because of their fast ramp rates. AFR suggest you upgrade your springs to AFR part #8605, 1.290 O.D. with higher spring pressures and use our Patented "Hydra Rev Kit" to reduce chances of valve float associated with rpm 6200 or higher.

Basic Package Components	Part #
100% CNC Ported Combustion Chambers 100% CNC Ported Exhaust Ports 100% CNC Ported Intake Ports, 3-angle Valve Job	
Bead Lock Intake Valve, 2.020" standard length	AFR #7251
Bead Lock Exhaust Valve, 1.600" standard length	AFR #7250
1.290" OD Hydraulic Dual Valve Spring, 135 lbs. on seat, .600" maximum lift (upgrades available)	AFR #8017 Comp PKG #8019
7° 4140 Chrome Moly Retainers	AFR #8514
7° Bead Locks Valve Keepers	AFR #9007
3/8" Rocker Studs	AFR #6410
Guide Plates	AFR #6110
Viton Valve Seals	AFR #6612
Hardened Spring Cup	AFR #8042
Intake Valve Seats	AFR #9060
Exhaust Valve Seats	AFR #9070
Bronze Valve Guides	AFR #9051

\*Only models with heat riser (marked by an asterisk) are emissions legal, all others are not legal for sale or use on pollution controlled motor vehicles in the United States.

## Specifications, Features, and Optional Supporting Components

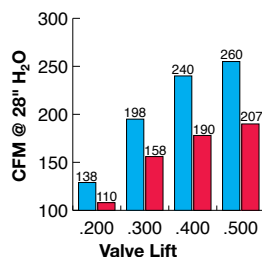
Head Torque	65-70 Ft. Lbs.
Rocker Stud Torque	55-60 Ft. Lbs.
Intake Port Gasket, 1.230" x 1.990" with 3/8" radius	AFR #6817
	Fel-Pro #1256
<b>Important:</b> Do not port match your intake manifold to Fel-Pro gasket as it does not precisely fit AFR heads.	
Exhaust Port Gasket	Fel Pro #1404, AFR #6834
Head Gasket	350cid Fel Pro #1003, AFR #6800
	400cid Fel Pro #1014, AFR #6802
Head Bolts & Studs	Standard ARP, AFR #6310 & #6305
Head Bolt Washers	Manley, AFR #6320
Stud Girdle GM L98	AFR #6200
Suggested Manifold	Edelbrock #3701,
Spark Plug Starting Range	AC FR3LS or 41629
Combustion Chambers	75cc or 65cc
Spring Pocket can be cut to 1.625, no deeper.	
Valve Spacing	Standard GM L98
Rocker Arms	Standard GM L98
Valve Angle	23°
Angle Mill (milling options available)	.008" per cc
Flat Mill (milling options available)	.006" per cc

**Note:** Milling Head Deck Will Affect Flow Numbers. Angle mills might require a .120 thick intake gasket.

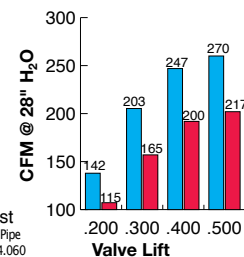
### Pairs of Cylinder Heads Complete With Parts & Ready To Install

Runner Volume	Plug Type	Combustion Chamber	Part #
<b>CNC Street Porting</b>			
*180cc	Straight	75cc	0911
*180cc	Straight	65cc	0916
*180cc	L98	75cc	0917
*180cc	L98	65cc	0918
<b>CNC Competition Package Street Porting</b>			
*180cc	L98	75cc	0988
*180cc	Straight	75cc	0990
*180cc	Straight	65cc	0991
180cc	L98	65cc	0992

### 180cc Street Head Flow Chart



### 180cc Competition Package Flow Chart



# 180cc LT1 Eliminator Street Head

The Small Port, High Velocity Torque Monster



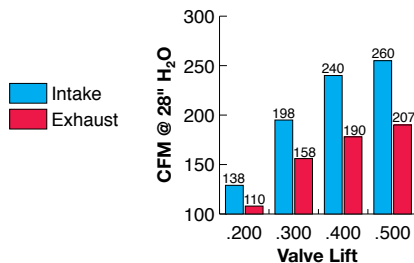
## Specifications, Features, and Optional Supporting Components

Head Torque-----	65-70 Ft. Lbs.
Rocker Stud Torque-----	55-60 Ft. Lbs.
Intake Port Gasket-----	GM #12524653 LT1 / Fel-Pro #1284
<b>Important: Do not port match your intake manifold to Fel-Pro / GM LT1 gasket as it does not precisely fit AFR heads.</b>	
Exhaust Port Gasket-----	Fel Pro #1404, AFR #6834
Head Gasket-----	350 cid Fel Pro #1074, AFR #6803
Head Bolts & Studs-----	Standard ARP, AFR #6310 & #6305
Head Bolt Washers-----	Manley, AFR #6320
Stud Girdle GM L98-----	AFR #6200
Suggested Manifold-----	GM LT1
Spark Plug Starting Range-----	AC FR3LS or 41629
Combustion Chambers-----	55cc to 65cc
Spring Pocket can be cut to 1.625, no deeper.	
Valve Spacing-----	Standard GM L98
Rocker Arms-----	Standard GM L98
Valve Angle-----	23°
Angle Mill-----	.008" per cc
Flat Mill-----	.006" per cc

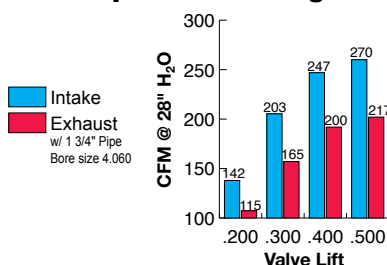
**Note:** Milling Head Deck Will Affect Flow Numbers. Angle mills might require a .120 thick intake gasket.

Pairs of Cylinder Heads Complete With Parts & Ready To Install			
Runner Volume	Plug Type	Combustion Chamber	Part #
<b>CNC Street Porting</b>			
*180cc	Angle	55cc-65cc	0908
<b>CNC Competition Package Street Porting</b>			
*180cc	Angle	55cc-65cc	0909

**180cc LT1 Street Head Flow Chart**



**180cc LT1 Competition Package Flow Chart**



The AFR Emissions Legal (CARB EO #D-250-2 for engines up to 1994), 180cc intake port LT1 small block Chevy cylinder heads are available in the LT1 angle plug version only. These heads feature a 55cc to 65cc combustion chamber with a 64cc exhaust port and a 3/4" thick head deck (ideal for nitrous or blower applications). Standard valves are lightweight 8mm 2.020 intake and 1.600 exhaust with AFR's hardened ductile iron interlocking valve seats. The exceptional flow characteristics, ideal operating range of idle to 6000 rpm (higher rpm ranges possible depending on combination of parts), 23° valve angle, and standard valve spacing make this the perfect street head for 350 cid to 383 cid engines and is specifically designed for 1992-95 Corvettes and 1993-97 Camaros. No special parts are required (See Footnotes page 47). Dual valve cover bolt pattern is standard. Exhaust port is raised .100 over GM L98 head.

**Note:** Hydraulic roller cams typically experience valve float at 6200-6400 rpm because of their fast ramp rates. AFR suggest you upgrade your springs to AFR part #8605, 1.290 O.D. with higher spring pressures and use our Patented "Hydra Rev Kit" to reduce chances of valve float associated with rpm 6200 or higher.

Basic Package Components	Part #
<b>100% CNC Ported Combustion Chambers 100% CNC Ported Exhaust Ports 100% CNC Ported Intake Ports, 3-angle Valve Job</b>	
Bead Lock Intake Valve, 2.020" standard length	AFR #7251
Bead Lock Exhaust Valve, 1.600" standard length	AFR #7250
1.290" OD Hydraulic Dual Valve Spring with dampner, 135 lbs. on seat, .600" maximum lift (upgrades available)	AFR #8017 Comp PKG #8019
7° Titanium Retainers	AFR #8515
7° Bead Locks Valve Keepers	AFR #9007
3/8" Rocker Studs (if using non-self aligning rockers)	AFR #6410
Guide Plates	AFR #6110
Viton Valve Seals	AFR #6612
Hardened Spring Cup	AFR #8042
Intake Valve Seats	AFR #9060
Exhaust Valve Seats	AFR #9070
Bronze Valve Guides	AFR #9051

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# 190cc SBC Eliminator Vortec Street Head

The Small Port, High Velocity Torque Monster



## Specifications, Features, and Optional Supporting Components

Head Torque	-----	65-70 Ft. Lbs.
Rocker Stud Torque	-----	55-60 Ft. Lbs.
Intake Port Gasket	-----	GM Vortec
<b>Important: Do not port match your intake manifold to GM gasket as it does not precisely fit AFR heads.</b>		
Exhaust Port Gasket	-----	Fel Pro #1404, AFR #6834
Head Gasket	-----	350cid Fel Pro #1003, AFR #6800
	-----	400cid Fel Pro #1014, AFR #6802
Head Bolts & Studs	-----	Standard ARP, AFR #6310 & #6305
Head Bolt Washers	-----	Manley, AFR #6320
Stud Girdle GM L98	-----	AFR #6200
Suggested Manifold	-----	GM Vortec or Edelbrock
Spark Plug Starting Range	-----	AC FR3LS or 41629
Combustion Chambers	-----	65cc
Spring Pocket can be cut to 1.625, no deeper.		
Valve Spacing	-----	Standard GM L98
Rocker Arms	-----	Standard GM L98
Valve Angle	-----	23°
Angle Mill (milling options available)	-----	.008" per cc
Flat Mill (milling options available)	-----	.006" per cc
Pushrods	-----	5/16" Hardened AFR #6600 & #6601

The AFR Vortec Emissions Legal (CARB EO #D-250-2), 190cc intake port small block Chevy cylinder heads are available in straight plug version. These heads feature a 65cc combustion chamber with a 64cc exhaust port and a 3/4" thick head deck (ideal for nitrous or blower applications.) Standard valves are lightweight 8mm 2.020 intake and 1.600 exhaust with AFR's hardened ductile iron interlocking valve seats. The exceptional flow characteristics, ideal operating range of idle to 5500 rpm (higher rpm ranges possible depending on combination of parts), 23° valve angle, and standard valve spacing make this the perfect street head for 350 cid engines from 1996-2000. No special parts are required (See footnotes page 47). Dual valve cover bolt pattern is standard. Exhaust port is raised .100 over GM L98 Heads.

**Note:** Milling Head Deck Will Affect Flow Numbers. Angle mills might require a .120 thick intake gasket.

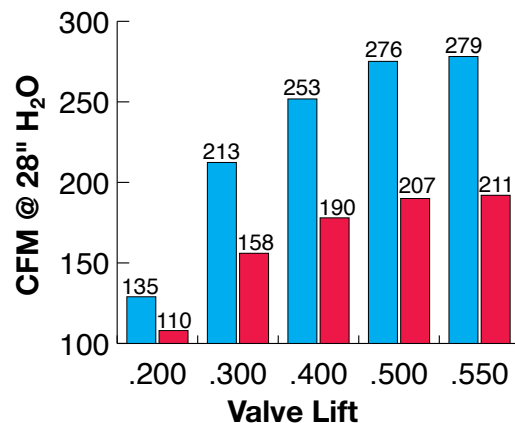
**Note:** Hydraulic roller cams typically experience valve float at 6200-6400 rpm because of their fast ramp rates. AFR suggest you upgrade your springs to AFR part #8605, 1.290 O.D. with higher spring pressures and use our Patented "Hydra Rev Kit" to reduce chances of valve float associated with rpm 6200 or higher.

Pairs of Cylinder Heads Complete With Parts & Ready To Install			
Runner Volume	Plug Type	Combustion Chamber	Part #
<b>CNC Street Porting</b>			
*190cc	Vortec	65cc	0912

Basic Package Components	Part #
100% CNC Ported Combustion Chambers 100% CNC Ported Exhaust Ports 100% CNC Ported Intake Ports, 3-angle Valve Job	
Bead Lock Intake Valve, 2.020" standard length	AFR #7251
Bead Lock Exhaust Valve, 1.600" standard length	AFR #7250
1.290" OD Hydraulic Dual Valve Spring, 135 lbs. on seat, .600" maximum lift (upgrades available)	AFR #8017
7° 4140 Chrome Moly Retainers	AFR #8514
7° Bead Locks Valve Keepers	AFR #9007
3/8" Rocker Studs	AFR #6410
Guide Plates	AFR #6110
Viton Valve Seals	AFR #6612
Hardened Spring Cup	AFR #8042
Intake Valve Seats	AFR #9060
Exhaust Valve Seats	AFR #9070
Bronze Valve Guides	AFR #9051

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## 190cc Vortec Street Head Flow Chart



Intake  
Exhaust  
w/ 1 3/4" Pipe Bore size 4.060

# 195cc SBC Eliminator Street Head

The Ultimate Bolt-on Emissions  
Legal Street Weapon



## Specifications, Features, and Optional Supporting Components

Head Torque	-----	65-70 Ft. Lbs.
Rocker Stud Torque	-----	55-60 Ft. Lbs.
Intake Port Gasket, 1.280" x 2.090" with 3/8" radius Street	-----	AFR #6810
	-----	Fel-Pro #1205
Intake Port Gasket, 1.310" x 2.180" w/ 3/8" radius Comp Pkg	-----	AFR #6820
	-----	Fel-Pro #1206
<b>Important: Do not port match your intake manifold to Fel-Pro gasket as it does not precisely fit AFR heads.</b>		
Exhaust Port Gasket	-----	Fel Pro #1404, AFR #6834
Head Gasket	-----	350cid Fel Pro #1003, AFR #6800
	-----	400cid Fel Pro #1014, AFR #6802
Head Bolts & Studs	-----	Standard ARP, AFR #6310 & #6305
Head Bolt Washers	-----	Manley, AFR #6320
Stud Girdle GM L98	-----	AFR #6200
Suggested Manifold	-----	Edelbrock RPM Performer, AFR #5032
Spark Plug Starting Range	-----	AC FR3LS or 41629
Combustion Chambers	-----	65cc or 75cc
Spring Pocket can be cut to 1.625, no deeper.		
Valve Spacing	-----	Standard GM L98
Rocker Arms	-----	Standard GM L98
Valve Angle	-----	23°
Angle Mill (milling options available)	-----	.008" per cc
Flat Mill (milling options available)	-----	.006" per cc

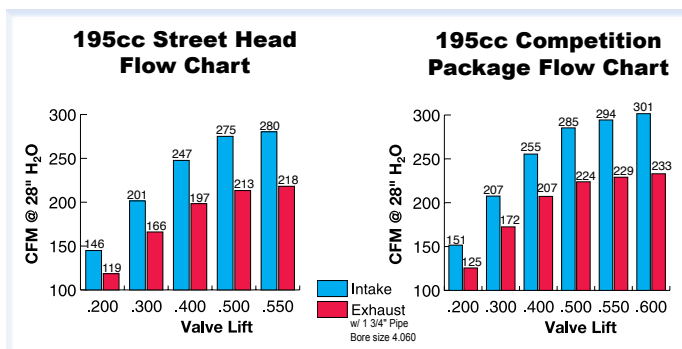
**Note:** Milling Head Deck Will Affect Flow Numbers. Angle mills might require a .120 thick intake gasket

The AFR Emissions Legal (versions from 1969-94 with heat riser, CARB EO #D-250-2), 195cc intake port small block Chevy cylinder heads are available in your choice of straight, or L98 angle plug versions. These heads feature a 75cc or 65cc combustion chamber with a 64cc exhaust port and a 3/4" thick head deck (ideal for nitrous or blower applications). Standard valves are lightweight 8mm 2.050 intake (comp package has 2.080) and 1.600 exhaust with AFR's hardened ductile iron interlocking valve seats. The exceptional flow characteristics, ideal operating range of 2000 rpm to 6500 rpm, 23° valve angle, and standard valve spacing make this the perfect street head for 350 cid to 400 cid engines from 1955-86. Available for 1987 to present engines with center bolt valve covers and 2 center intake bolts at 72° angle AFR part# 1041. No special parts are required (see footnotes page 47). Dual valve cover bolt pattern is standard. Exhaust port raised .100 over GM L98 head.

**Note:** Hydraulic roller cams typically experience valve float at 6200-6400 rpm because of their fast ramp rates. AFR suggest you upgrade your springs to AFR part #8605, 1.290 O.D. with higher spring pressures and use our Patented "Hydra Rev Kit" to reduce chances of valve float associated with rpm 6200 or higher.

Pairs of Cylinder Heads Complete With Parts & Ready To Install			
Runner Volume	Plug Type	Combustion Chamber	Part #
<b>CNC Street Porting</b>			
*195cc	Straight	65cc	1034
*195cc	Straight	75cc	1036
*195cc	L98	75cc	1038
*195cc	L98	65cc	1040
<b>CNC Competition Package Street Porting</b>			
*195cc	L98	75cc	1094
*195cc	L98	65cc	1095

Basic Package Components	Part #
100% CNC Ported Combustion Chambers, 100% CNC Ported Exhaust Ports, 100% CNC Ported Intake Ports 3-angle Valve Job	
Bead Lock Intake Valve, 2.050" standard length Bead Lock Intake Valve, 2.080" standard length	AFR #7252 Comp PKG #7259
Bead Lock Exhaust Valve, 1.600" standard length	AFR #7250
1.290" OD Hydraulic Dual Valve Spring with dampener, 135 lbs. on seat, .600" maximum lift (upgrades available)	AFR #8017 Comp PKG #8019
7° 4140 Chrome Moly Retainers	AFR #8514
7° Bead Locks Valve Keepers	AFR #9007
3/8" Rocker Studs	AFR #6410
Guide Plates	AFR #6110
Viton Valve Seals	AFR #6612
Hardened Spring Cup	AFR #8042
Intake Valve Seats	AFR #9060
Exhaust Valve Seats	AFR #9070
Bronze Valve Guides	AFR #9051



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# 195cc LT1/LT4 Eliminator Street Head

The Ultimate Bolt-on Emissions  
Legal Street Weapon



The AFR Emissions Legal (CARB EO #D-250-2 for engines up to 1994), 195cc intake port LT4 small block Chevy cylinder heads are available in an LT4 angle plug version. These heads feature a 55cc to 65cc combustion chamber with a 64cc exhaust port and a 3/4" thick head deck (ideal for nitrous or blower applications). Standard valves are lightweight 8mm 2.050 intake (comp package has 2.080) and 1.600 exhaust with AFR's hardened ductile iron interlocking valve seats. The exceptional flow characteristics, ideal operating range of 2500 rpm to 6500 rpm (higher rpm ranges possible depending on combination of parts), 23° valve angle, and standard valve spacing make this the perfect street head for 350 cid to 383 cid engines. Designed specifically for 1996 Corvettes or LT4 manifold users. No special parts are required (see footnotes page 47). Dual valve cover bolt pattern is standard. Exhaust port is raised .100 over GM L98 head.

**Note:** Hydraulic roller cams typically experience valve float at 6200-6400 rpm because of their fast ramp rates. AFR suggest you upgrade your springs to AFR part #8605, 1.290 O.D. with higher spring pressures and use our Patented "Hydra Rev Kit" to reduce chances of valve float associated with rpm 6200 or higher.

Basic Package Components	Part #
100% CNC Ported Combustion Chambers 100% CNC Ported Exhaust Ports 100% CNC Ported Intake Ports, 3-angle Valve Job	
Bead Lock Intake Valve, 2.050" standard length	AFR #7252
Bead Lock Intake Valve, 2.080" standard length	Comp PKG #7259
Bead Lock Exhaust Valve, 1.600" standard length	AFR #7250
1.290" OD Hydraulic Dual Valve Spring with dampener, 135 lbs. on seat, .600" maximum lift (upgrades available)	AFR #8017 Comp PKG #8019
7° Titanium Retainers	AFR #8515
7° Bead Locks Valve Keepers	AFR #9007
3/8" Rocker Studs	AFR #6410
Guide Plates (if using non-self aligning rockers)	AFR #6110
Viton Valve Seals	AFR #6612
Hardened Spring Cup	AFR #8042
Intake Valve Seats	AFR #9060
Exhaust Valve Seats	AFR #9070
Bronze Valve Guides	AFR #9051

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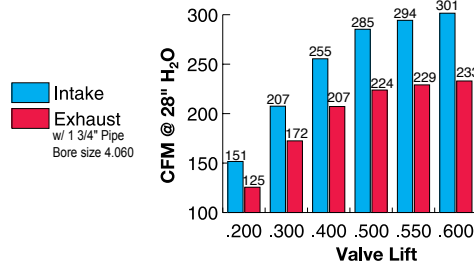
## Specifications, Features, and Optional Supporting Components

Head Torque	65-70 Ft. Lbs.
Rocker Stud Torque	55-60 Ft. Lbs.
Intake Port Gasket	195cc Street GM LT4 #12528884
Intake Port Gasket	195 Comp Pkg AFR #6860
<b>Important: Do not port match your intake manifold to GM LT4 gasket as it does not precisely fit AFR heads. Don't use GM# 12367777</b>	
Exhaust Port Gasket	Fel Pro #1404, AFR #6834
Head Gasket	350 cid Fel Pro #1074, AFR #6803
Head Bolts & Studs	Standard ARP, AFR #6310 & #6305
Head Bolt Washers	Manley, AFR #6320
Stud Girdle GM L98	AFR #6200
Suggested Manifold	GM LT4
Spark Plug Starting Range	AC FR3LS or 41629
Combustion Chambers	55cc to 65cc
Spring Pocket can be cut to 1.625, no deeper.	
Valve Spacing	Standard GM L98
Rocker Arms	Standard GM L98
Valve Angle	23°
Angle Mill	.008" per cc
Flat Mill	.006" per cc

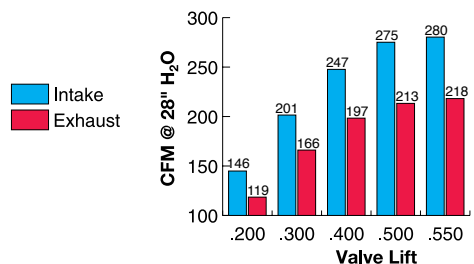
**Note:** Milling Head Deck Will Affect Flow Numbers

Pairs of Cylinder Heads Complete With Parts & Ready To Install			
Runner Volume	Plug Type	Combustion Chamber	Part #
<b>CNC Street Porting</b>			
*195cc	Angle	55cc-65cc	1031
<b>CNC Competition Package Street Porting</b>			
*195cc	Angle	55cc-65cc	1039

### 195cc LT4 Competition Package Flow Chart



### 195cc LT4 Street Head Flow Chart



# 210cc SBC Eliminator Racing Head & 210cc SBC LT-4

The Most Powerful Standard Racing Head Available



## Specifications, Features, and Optional Supporting Components

Head Torque-----65-70 Ft. Lbs.  
 Rocker Stud Torque -----55-60 Ft. Lbs.  
 Intake Port Gasket, 1.310" x 2.180" with 3/8" radius----- AFR #6820  
 ----- Fel-Pro #1206

**Important:** Do not port match your intake manifold to Fel-Pro gasket as it does not precisely fit AFR heads.

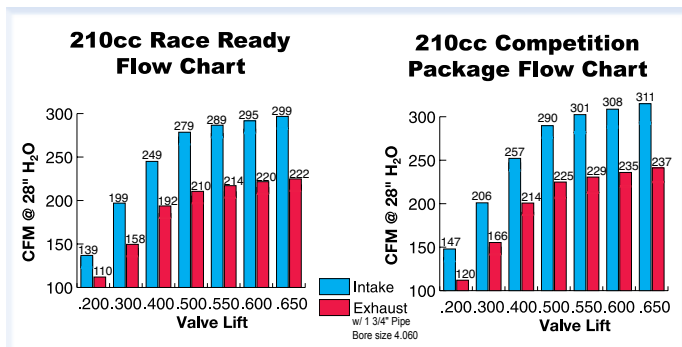
Exhaust Port Gasket ----- Fel Pro #1405, AFR #6835  
 Head Gasket ----- 350cid Fel Pro #1003, AFR #6800  
 ----- 400cid Fel Pro #1014, AFR #6802  
 Head Bolts & Studs ----- Standard ARP, AFR #6310 & #6305  
 Head Bolt Washers ----- Manley, AFR #6320  
 Stud Girdle GM L98----- AFR #6200  
 Suggested Manifold -----Victor Jr or Super Victor, AFR #5031 & #5033  
 Spark Plug Starting Range-----Autolite 3910  
 Combustion Chambers ----- 65cc or 75cc  
 Spring Pocket can be cut to 1.750, no deeper.  
 Valve Spacing----- Standard GM L98  
 Rocker Arms----- Standard GM L98  
 Valve Angle ----- 23°  
 Angle Mill (milling options available) ----- .008" per cc  
 Flat Mill (milling options available)----- .006" per cc

**Note:** Milling Head Deck Will Affect Flow Numbers. Angle mills might require a .120 thick intake gasket

These reasonably priced AFR 210cc intake port small block Chevy angle plug cylinder heads are available in two stages of performance. The Race Ready version features 100% CNC ported intakes while the higher flowing Competition version features 100% CNC ported intakes with greater detail. Both come with 100% CNC ported combustion chambers and 80cc exhaust ports with a 3/4" thick head deck (ideal for nitrous or blower applications). Standard valves are lightweight 8mm 2.080 intake and 1.600 exhaust with AFR's hardened ductile iron interlocking valve seats. The exceptional flow characteristics, 23° valve angle, and standard valve spacing make this the perfect head for 350 to 400 cid engines in bracket drag cars, sportsman oval trackers, and highly modified street class cars operating between 3000 and 7500 rpm. No special parts are required (see footnotes page 47). Dual valve cover bolt pattern is standard. Exhaust port is raised .250 over GM L98 head.

Pairs of Cylinder Heads Complete With Parts & Ready To Install			
Runner Volume	Plug Type	Exhaust Type / Combustion Chamber	Part #
<b>Race Ready CNC Strip Porting</b>			
210cc	Angle	Standard 75cc	1050
210cc	Angle	Standard 65cc	1054
210cc	LT1/LT4	Only Standard/Reverse Cooled 55cc - 65cc	1057
<b>Competition CNC Strip Porting</b>			
210cc	Angle	Standard 75cc	1100
210cc	LT4	Only Standard/Reverse Cooled 55cc - 65cc	1101
210cc	Angle	Standard 65cc	1103

Basic Package Components	Part #
100% CNC Ported Combustion Chambers 100% CNC Ported Exhaust Ports 100% CNC Ported Intake Ports, 3-angle Valve Job	
Bead Lock Intake Valve, 2.080" x .100" long	AFR #7255
Bead Lock Exhaust Valve, 1.600" x .100" long	AFR #7254
1.550" OD Roller Dual Valve Spring 225 lbs. on seat, .710" maximum lift (upgrades available)	AFR #8000
10° 4140 Chrome Moly Retainers	AFR #8511
10° Bead Locks Valve Keepers	AFR #9009
7/16" Rocker Studs	AFR #6405
5/16" Guide Plates	AFR #6110
Viton Valve Seals	AFR #6612
Hardened Spring Seat	AFR #8045
Intake Valve Seats	AFR #9060
Exhaust Valve Seats	AFR #9070
Bronze Valve Guides	AFR #9051



Not legal for sale or use on pollution controlled motor vehicles in the United States.



# 220cc SBC Eliminator Racing Head

The Ultimate Standard Racing Head Available



## Specifications, Features, and Optional Supporting Components

Head Torque ----- 65-70 Ft. Lbs.  
 Rocker Stud Torque ----- 55-60 Ft. Lbs.  
 Intake Port Gasket, 1.310" x 2.180" with 3/8" radius----- AFR #6820  
 ----- Fel-Pro #1206

**Important:** Do not port match your intake manifold to Fel-Pro gasket as it does not precisely fit AFR heads.

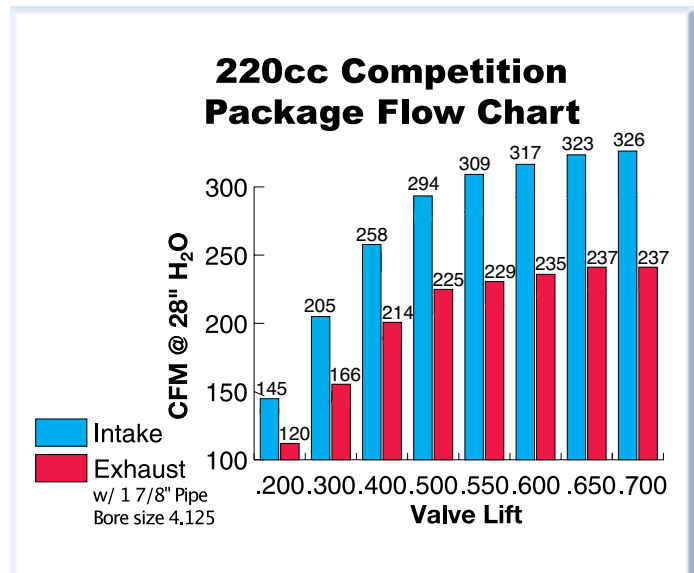
Exhaust Port Gasket ----- Fel Pro #1405, AFR #6835  
 Head Gasket ----- 350cid Fel Pro #1003, AFR #6800  
 ----- 400cid Fel Pro #1014, AFR #6802  
 Head Bolts & Studs ----- Standard ARP, AFR #6310 & #6305  
 Head Bolt Washers ----- Manley, AFR #6320  
 Stud Girdle GM L98 ----- AFR #6200  
 Suggested Manifold ----- Victor Jr or Super Victor, AFR #5031 & #5033  
 Spark Plug Starting Range----- Autolite 3910  
 Combustion Chambers ----- 65cc or 75cc  
 Spring Pocket can be cut to 1.750, no deeper.  
 Valve Spacing----- Standard GM L98  
 Rocker Arms----- Standard GM L98  
 Valve Angle ----- 23°  
 Angle Mill (milling options available) ----- .008" per cc  
 Flat Mill (milling options available)----- .006" per cc

**Note:** Milling Head Deck Will Affect Flow Numbers. Angle mills might require a .120 thick intake gasket

AFR is reviving its popular 220cc moniker due to overwhelming requests from customers for a larger bolt on standard valve location head. Unlike the previous 220, the new Eliminator version requires no special parts (see footnotes page 47). Valves and studs are in stock GM L98 locations just like our very popular 180, 195, and 210 series heads. They do not require offset rockers of any kind yet are still able to muster flow numbers that are in raised runner head territory. A 325 CFM head that is perfect for someone wanting to retain all their standard components while still having the airflow necessary to approach the elusive 700 HP mark in aggressive drag race trim. Displacement ranging from a high RPM 350 to a 427 CID with natural applications in the various sportsman classes, bracket/drag cars, oval track, and larger displacement street machines with typical operating ranges between 4000 to 8000 RPM depending on application. Getting this much flow from a stock geometry 23' head means they will only be available in fully optimized "competition" CNC porting. As always they come with AFR's trademark 3/4" thick head deck (ideal for nitrous and blower applications). Standard valves are lightweight 8mm 2.100 intake and 1.600 exhaust with AFR's harden ductile iron interlocking valve seats. Dual valve cover bolt pattern is standard. Exhaust port is raised .250 over GM L98 head.

Pairs of Cylinder Heads Complete With Parts & Ready To Install			
Runner Volume	Plug Type	Exhaust Type / Combustion Chamber	Part #
<b>Competition CNC Strip Porting</b>			
220cc	Angle	Standard 75cc	1112
220cc	Angle	Standard 65cc	1110

Basic Package Components	Part #
100% CNC Ported Combustion Chambers 100% CNC Ported Exhaust Ports 100% CNC Ported Intake Ports, 3-angle Valve Job	
Bead Lock Intake Valve, 2.100" x .100" long	AFR #7256
Bead Lock Exhaust Valve, 1.600" x .100" long	AFR #7254
1.550" OD Roller Dual Valve Spring 225 lbs. on seat, .710" maximum lift (upgrades available)	AFR #8000
10° 4140 Chrome Moly Retainers	AFR #8511
10° Bead Locks Valve Keepers	AFR #9009
7/16" Rocker Studs	AFR #6405
5/16" Guide Plates	AFR #6110
Viton Valve Seals	AFR #6612
Hardened Spring Seat	AFR #8045
Intake Valve Seats	AFR #9060
Exhaust Valve Seats	AFR #9070
Bronze Valve Guides	AFR #9051



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# 227cc SBC Eliminator Racing Head & 227cc SBC LT-4

The Baddest 23° Standard Port Head



## Specifications, Features, and Optional Supporting Components

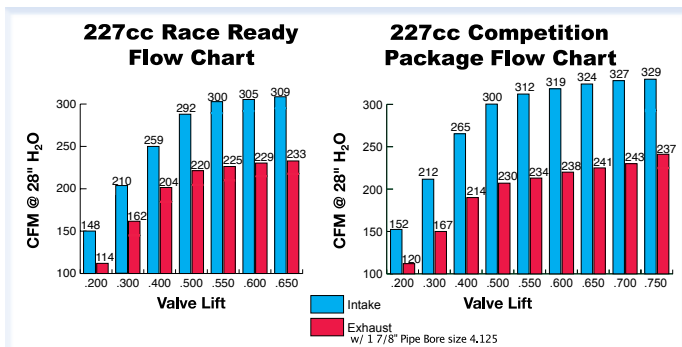
Head Torque	-----	65-70 Ft. Lbs.
Rocker Stud Torque	-----	55-60 Ft. Lbs.
Intake Port Gasket, 1.310" x 2.180" with 3/8" radius	-----	AFR #6820
	-----	Fel-Pro #1206
<b>Important: Do not port match your intake manifold to Fel-Pro gasket as it does not precisely fit AFR heads.</b>		
Exhaust Port Gasket	-----	Fel Pro #1405, AFR #6835
Head Gasket	-----	350cid Fel Pro #1003, AFR #6800
	-----	400cid Fel Pro #1014, AFR #6802
Head Bolts & Studs	-----	Standard ARP, AFR #6310 & #6305
Head Bolt Washers	-----	Manley, AFR #6320
Stud Girdle AFR Offset	-----	AFR #6208
Suggested Manifold	-----	Victor Jr, Super Victor, or HV1000;
	-----	AFR #5005, #5031 & #5033
Spark Plug Starting Range	-----	Autolite 3910
Combustion Chambers	-----	65cc or 75cc
Spring Pocket can be cut to 1.680 O.D., no deeper.		
Valve Spacing	-----	60/40
Rocker Arms	-----	Shaft Mount
Valve Angle	-----	23°
Angle Mill (milling options available)	-----	.008" per cc
Flat Mill (milling options available)	-----	.006" per cc

**Note:** Milling Head Deck Will Affect Flow Numbers. Angle mills might require a .120 thick intake gasket

High flowing AFR 227cc intake port small block Chevy angle plug cylinder heads are available in two stages of performance. The Race Ready version features 100% CNC ported intakes while the higher flowing Competition version features 100% CNC ported intakes with greater detail. Both come with 100% CNC ported 65 or 75cc combustion chambers and 80cc exhaust ports with a 3/4" thick head deck (ideal for nitrous or blower applications). In addition we also offer the "as cast" Stage 1 heads for 227cc performance on a budget. Standard valves are lightweight 8mm 2.100 intake and 1.600 exhaust with AFR's hardened ductile iron interlocking valve seats. The 227 has 60/40 valve spacing and piston valve pockets should be checked. The exceptional flow characteristics and 23° valve angle make this the perfect head for 350 to 434 cid engines in drag cars, sprint cars, and late model oval trackers operating from 4500 rpm and up. The 227cc heads are available in either standard or spread port exhaust. AFR offset stud girdles are the only special parts required (see footnotes page 47). Some applications require shaft mount rockers or .050 offset intake rocker arms for durability and reliability of valve train components. Standard rocker arms can be used but the intake rocker arm will be at a slight angle and the roller tip will not be perfectly centered on valve tip. Not recommended for street use, unless shaft mount rockers are used. The exhaust port is raised .250 over GM L98 Head.

Pairs of Cylinder Heads Complete With Parts & Ready To Install			
Runner Volume	Plug Type	Exhaust Type/Combustion Chamber	Part #
<b>Race Ready CNC Strip Porting</b>			
227cc	Angle	Standard 75cc	1067
227cc	Angle	Standard 65cc	1068
227cc	LT4	Standard/Reverse Cooled 55-65cc	1076
<b>Competition CNC Strip Porting</b>			
227cc	Angle	Standard 75cc	1120
227cc	Angle	Standard 65cc	1121
227cc	LT4	Standard/Reverse Cooled 55cc-65cc	1126

Basic Package Components	Part #
100% CNC Ported Combustion Chambers 100% CNC Ported Exhaust Ports 100% CNC Ported Intake Ports, Competition 3-angle Valve Job	
Bead Lock Intake Valve, 2.100" x .100" long	AFR #7256
Bead Lock Exhaust Valve, 1.600" x .100" long	AFR #7254
1.550" OD Roller Dual Valve Spring with dampener, 225 lbs. on seat, .710" maximum lift (upgrades available)	AFR #8000
10° 4140 Chrome Moly Retainers	AFR #8511
10° Bead Locks Valve Keepers	AFR #9009
7/16" Rocker Studs	AFR #6405
5/16" Guide Plates	AFR #6105
Viton Valve Seals	AFR #6612
Hardened Spring Seat	AFR #8045
Intake Valve Seats	AFR #9060
Exhaust Valve Seats	AFR #9070
Bronze Valve Guides	AFR #9051



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# 235cc SBC Eliminator Racing Head

The Nastiest 23° Standard Port Head



## Specifications, Features, and Optional Supporting Components

Head Torque-----65-70 Ft. Lbs.  
 Rocker Stud Torque -----55-60 Ft. Lbs.  
 Intake Port Gasket, 1.310" x 2.180" with 3/8" radius----- AFR #6820  
 -----Fel-Pro #1206

**Important:** Do not port match your intake manifold to Fel-Pro gasket as it does not precisely fit AFR heads.

Exhaust Port Gasket ----- Fel Pro #1405, AFR #6835  
 Head Gasket ----- 350cid Fel Pro #1004, AFR #6801  
 ----- 400cid Fel Pro #1014, AFR #6802  
 Head Bolts & Studs ----- Standard ARP, AFR #6310 & #6305  
 Head Bolt Washers ----- Manley, AFR #6320  
 Stud Girdle AFR Offset ----- AFR #6208  
 Suggested Manifold ----- Victor Jr, Super Victor, or HV1000;  
 ----- AFR #5031 & #5033

Spark Plug Starting Range----- Autolite 3910  
 Combustion Chambers ----- 70cc or 80cc  
 Spring Pocket can be cut to 1.680 O.D., no deeper.  
 Valve Spacing-----60/40  
 Rocker Arms----- Shaft Mount  
 Valve Angle ----- 23°  
 Angle Mill (milling options available) ----- .008" per cc  
 Flat Mill (milling options available)----- .006" per cc

**Note:** Milling Head Deck Will Affect Flow Numbers. Angle mills might require a .120 thick intake gasket

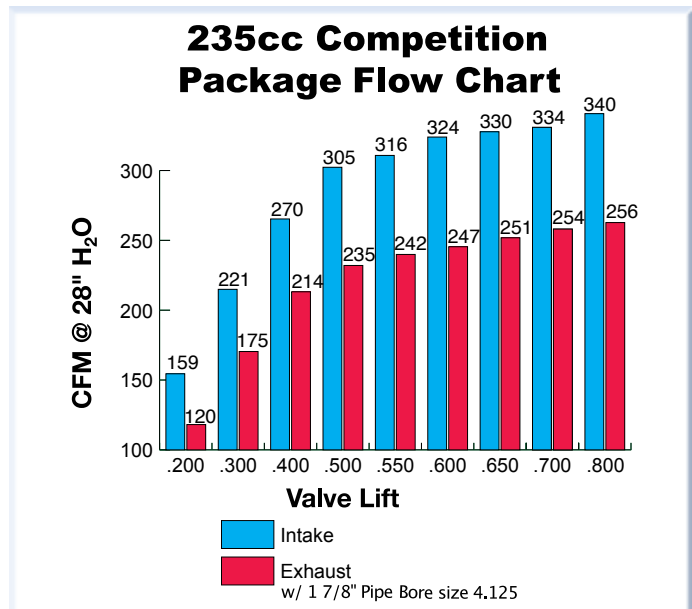
With the price of big displacement SBC engines fraction of what they were years ago, the allure to go BIG is stronger than ever. To help quench the thirst of that large displacement monster AFR is proud to offer our largest direct bolt on 23° Chevy head yet. At 235 cc's, anything under 400 inches can look the other way. It has the same geometry as our 227 head and will accept all the same rocker arms, stud girdles, etc. AFR offset stud girdles are the only special parts required (see footnotes page 47). Some applications require shaft mount rockers or .050 offset intake rocker arm for durability and reliability of valve train components. Standard rocker arms can be used but the intake rocker arm will be at a slight angle and the roller tip will not be perfectly centered on the valve. It will feature a larger 2.125 diameter intake valve. Exhaust valve diameter stays the same with a little more flow from its larger runner volume. The big news is our all new intake port design which pushes this standard location intake port over 335 CFM's! That's 18° territory and this head should be able to generate power figures that rival those heads (725+ HP). This head is not for every large displacement combination so if you're unsure whether this is the right AFR head for you, we always encourage you to contact us directly.

Pairs of Cylinder Heads Complete With Parts & Ready To Install			
Runner Volume	Plug Type	Exhaust Type / Combustion Chamber	Part #
<b>Competition CNC Strip Porting</b>			
235cc	Angle	Standard 80cc	1130
235cc	Angle	Standard 70cc	1132

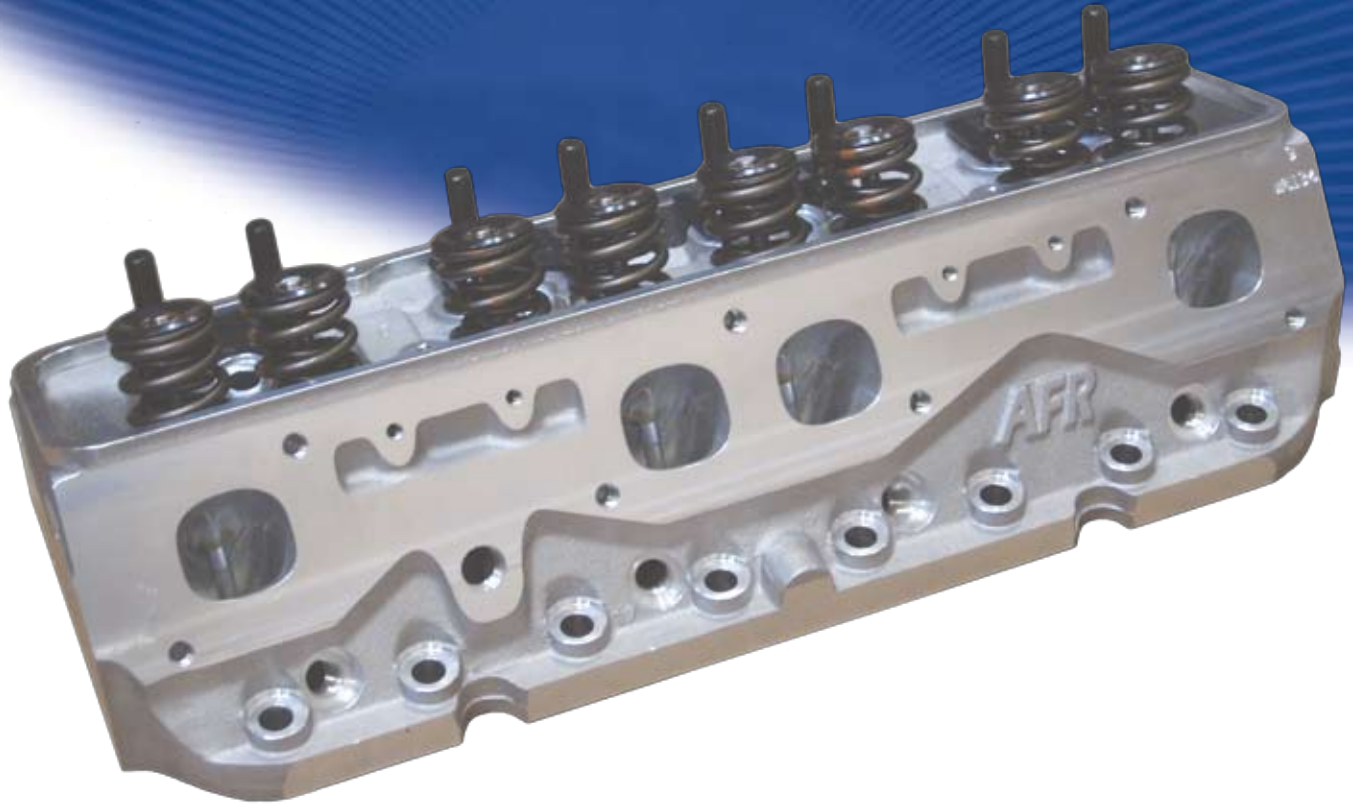
Basic Package Components	Part #
100% CNC Ported Combustion Chambers 100% CNC Ported Exhaust Ports 100% CNC Ported Intake Ports, Competition 3-angle Valve Job	
Bead Lock Intake Valve, 2.125" x .100" long	AFR #7253
Bead Lock Exhaust Valve, 1.600" x .100" long	AFR #7254
1.550" OD Roller Dual Valve Spring 225 lbs. on seat, .710" maximum lift (upgrades available)	AFR #8000
10° 4140 Chrome Moly Retainers	AFR #8511
10° Bead Locks Valve Keepers	AFR #9009
7/16" Rocker Studs	AFR #6405
5/16" Guide Plates	AFR #6105
Viton Valve Seals	AFR #6612
Hardened Spring Seat	AFR #8045
Intake Valve Seats	AFR #9060
Exhaust Valve Seats	AFR #9070
Bronze Valve Guides	AFR #9051

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\*See Web Page for Intake Flow Numbers

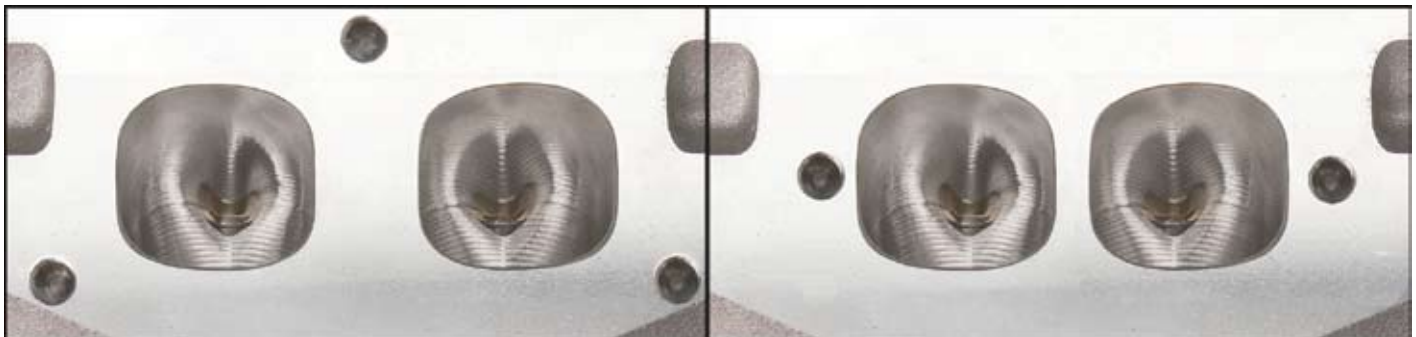


# 210, 220, 227, 235cc SBC Eliminator SPREAD PORT Racing Heads



**SPREAD PORT EXHAUST**

**STANDARD EXHAUST**



Spread port heads have the center exhaust ports spread apart 5/8" over stock L98 GM heads. The reason for spread port heads is to achieve additional cooling in the center of the head where the heat concentration is greatest. As standard headers do not fit, spread port headers are required since the center ports are spread further apart than stock GM products. The increased spacing on the exhaust port also requires the use of exhaust gasket Fel-Pro #1409. Spread port heads only come with a Stahl bolt pattern. AFR's spread port head has all the benefits and features of AFR's standard head. As all benefits and features are the same, please review respective page for product details (i.e. for 210cc spread port, view page 15 on SBC Eliminator 210cc).

**Pairs of Cylinder Heads Complete With Parts & Ready To Install**

<i>Runner Volume</i>	<i>Plug Type</i>	<i>Exhaust Type/ Combustion Chamber</i>	<i>Part #</i>
<b>Race Ready CNC Strip Porting</b>			
210cc	Angle	Spread Port 65cc	1059
210cc	Angle	Spread Port 75cc	1055
227cc	Angle	Spread Port 65cc	1074
227cc	Angle	Spread Port 75cc	1075
<b>Competition CNC Strip Porting</b>			
210cc	Angle	Spread Port 65cc	1106
210cc	Angle	Spread Port 75cc	1105
220cc	Angle	Spread Port 65cc	1114
220cc	Angle	Spread Port 75cc	1115
227cc	Angle	Spread Port 65cc	1124
227cc	Angle	Spread Port 75cc	1125
235cc	Angle	Spread Port 70cc	1134
235cc	Angle	Spread Port 80cc	1136