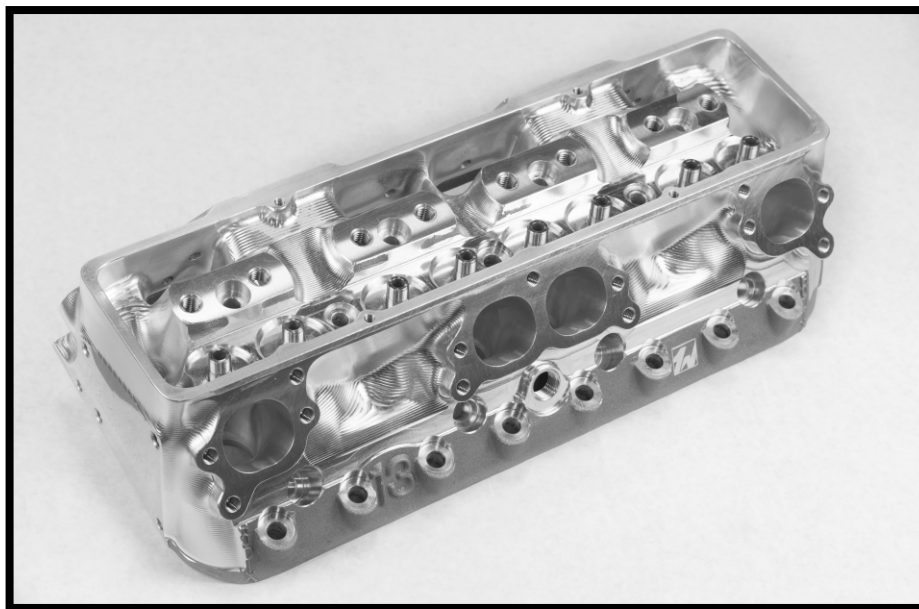




2019



C.N.C. Ported Heads & Manifolds

This brochure has been prepared for the professional engine builder. As such, it is primarily a specification presentation.

If further information is required about application and/or characteristics, please do not hesitate to call.

We are continually striving to provide additional heads and port shapes for more applications as they become proven performers and meet our criteria of excellence. If your current needs require something not listed in this brochure, CALL, we may have it.

We depend on our customers for good, accurate information and feedback. We want to know how well our products satisfies your needs. Your comments and suggestions are always welcome and appreciated.

SPECIAL NOTES

The surface finish on all cylinder heads are intentionally left as machine finish. Our extensive research has found that in most cases, traditional polishing of our machined castings can have a detrimental effect on airflow. Any polishing or other modifications to the surface is generally limited to only those areas where it has proven to be advantageous to performance, i.e. intake and exhaust short turn radius.

Also note that because of the EXACT nature of C.N.C. machining and the inconsistent nature of sand castings, sometimes minor "non-machined" areas will appear. These are usually very small and in non-critical locations. They have NO effect on performance and are usually detailed as needed.

Warranty Disclaimer: The products listed in this brochure are sold without any express warranty of merchantability or fitness for the intended purpose. Where that purpose is competitive racing, they are sold with no warranty whatsoever.

Note: Not for sale or use in California on any pollution controlled motor vehicle

We make every effort to insure adequate wall thickness but we do not pressure check every head for water jacket leaks. It is the engine builders responsibility to check heads for any problem before assembly.

We will assist you in selecting the best head for your application, but we DO NOT guarantee they will meet any specific rules.

Custom programming of your developed port shapes is available. We will capture your detailed port shape and machine on your supplied castings.

1 WAY does NOT disclose any information regarding any customers' machining requirements.

- Working closely with our vendors, we can supply you with any custom engine part required.
- We also offer complete race ready cylinder heads.

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GM 364/580 & EDELBROCK 18°

Physical Specifications

GM 18° 1013364/2450580 (Edelbrock 7750/7751) Castings

The 364 & 580 (7750 & 7751) are the same cylinder head with the exception of .080" material added to the deck and .055" material added to the intake flange on the 580 (7751). Additional deck material is to increase combustion chamber volumes. To provide a common reference, all flow numbers are based on a 364 (7750) casting.

Exhaust Valve 1.625 dia. x 5.550 length
Serdi # S1033 (45° seat)

Notations

Pushrods cleared for .550 offset rocker shafts

HUT 921

Intake Runner Volume **246cc**
Combustion Chamber Volume 53cc/**64cc**
Intake Valve 2.150 dia. x 5.550 length
Serdi # H1.1N1 (45° seat)
Intake port opening at gasket **2.16H x 1.3W**
Distance from floor to deck at gasket **1.2**
Intake min. cross sectional dim. **2.637 sq. in.**

HUT 921.1

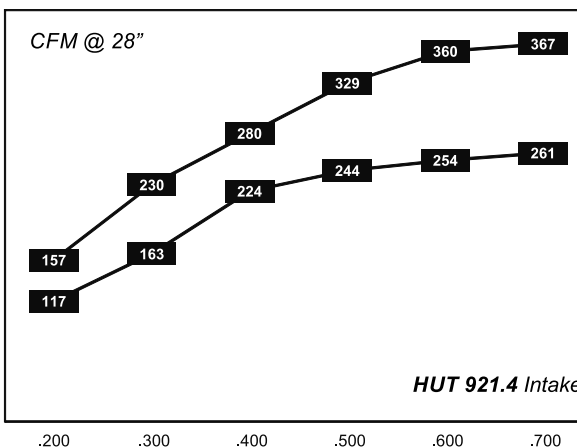
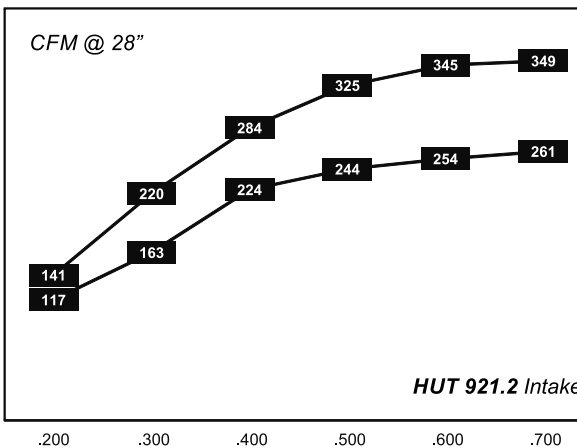
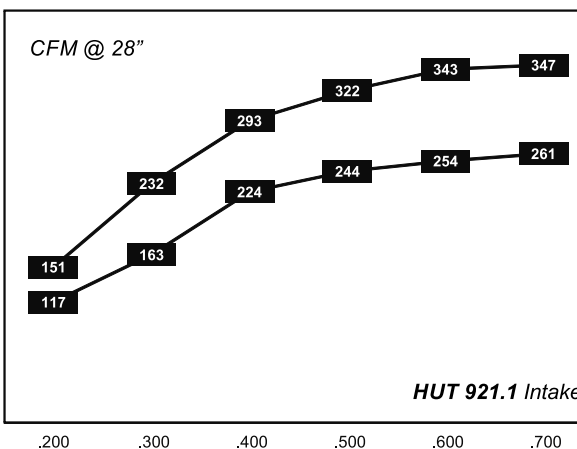
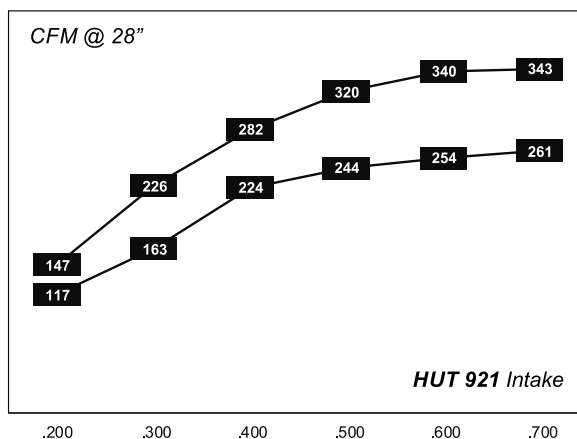
Intake Runner Volume **249cc**
Combustion Chamber Volume 53cc/**64cc**
Intake Valve 2.150 dia. x 5.550 length
Serdi # H1.1N1 (45° seat)
Intake port opening at gasket **2.15H x 1.3W**
Distance from floor to deck at gasket **1.2**
Intake min. cross sectional dim. **2.519 sq. in.**

HUT 921.2

Intake Runner Volume **254cc**
Combustion Chamber Volume 53cc/**64cc**
Intake Valve 2.150 dia. x 5.550 length
Serdi # H1.1N1 (45° seat)
Intake port opening at gasket **2.16H x 1.32W**
Distance from floor to deck at gasket **1.2**
Intake min. cross sectional dim. **2.642 sq. in.**

HUT 921.4 (not available on GM castings)

Intake Runner Volume **254cc**
Combustion Chamber Volume 53cc/**64cc**
Intake Valve 2.180 dia. x 5.550 length
Serdi # HP2353-B1 (45° seat)
Intake port opening at gasket **2.1H x 1.295W**
Distance from floor to deck at gasket **1.265**
Intake min. cross sectional dim. **2.58 sq. in.**



GM 364/580 & EDELBROCK 18°

Physical Specifications

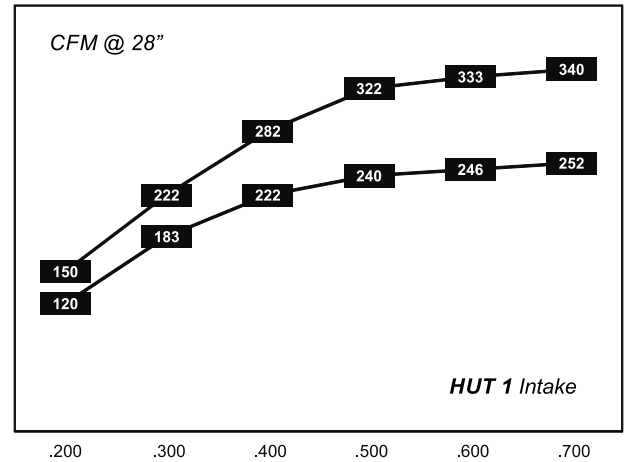
GM 18° 1013364/2450580 (Edelbrock 7750/7751) Castings

The 364 & 580 (7750 & 7751) are the same cylinder head with the exception of .080" material added to the deck and .055" material added to the intake flange on the 580 (7751). Additional deck material is to increase combustion chamber volumes. To provide a common reference, all flow numbers are based on a 364 (7750) casting.

Exhaust Valve 1.625 dia. x 5.550 length
 Serdi # S1033 (45° seat)

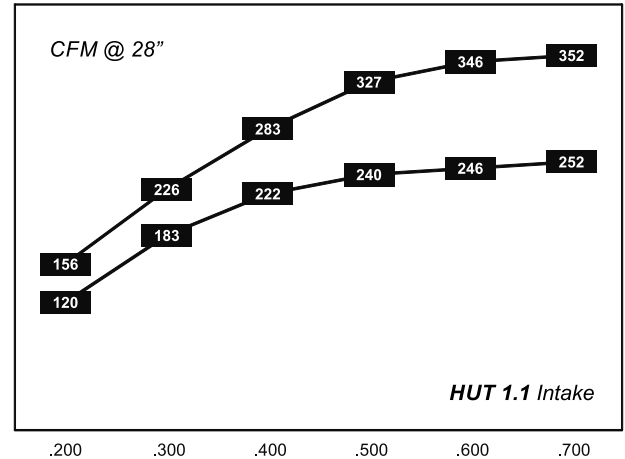
Notations

Pushrods cleared for .550 offset rocker shafts



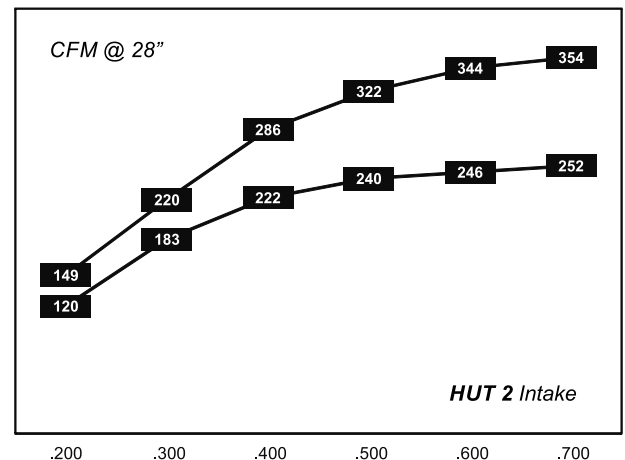
HUT 1

Intake Runner Volume 248cc
 Combustion Chamber Volume 53cc/64cc
Intake Valve 2.150 dia. x 5.550 length
 Serdi # H1N1 (45° seat)
 Intake port opening at gasket 2.2H x 1.345W
 Distance from floor to deck at gasket 1.15
 Intake min. cross sectional dim. 2.751 sq. in.



HUT 1.1

Intake Runner Volume 256cc
 Combustion Chamber Volume 53cc/64cc
Intake Valve 2.180 dia. x 5.550 length
 Serdi # H1.1N1 (45° seat)
 Intake port opening at gasket 2.2H x 1.345W
 Distance from floor to deck at gasket 1.15
 Intake min. cross sectional dim. 2.751 sq. in.



HUT 2

Intake Runner Volume 264cc
 Combustion Chamber Volume 53cc/64cc
Intake Valve 2.180 dia. x 5.550 length
 Serdi # H1.1N1 (45° seat)
 Intake port opening at gasket 2.2H x 1.36W
 Distance from floor to deck at gasket 1.15
 Intake min. cross sectional dim. 2.776 sq. in.

BRODIX TRACK 1 CHEVY

Physical Specifications

Brodix Track 1 CNC Castings

Intake Runner Volume **226cc**
 Combustion Chamber Volume **69cc**
 23° Valve Angle
 Standard Valve spacing

Intake Valve 2.080 dia. x 4.940 long
 (45° seat)

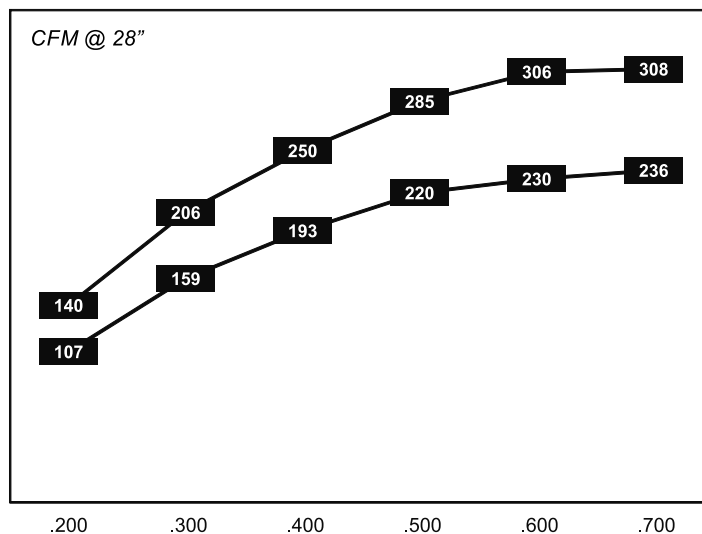
Exhaust Valve 1.600 dia. x 4.950 long
 (45° seat)

10° Intake flange
 Intake port opening at gasket **2.24H x 1.355W**
 Distance from floor to deck at gasket **.195**
 Intake min. cross sectional dim. **2.41 sq. in.**

Notations

Standard exhaust pattern
 Standard rockers & lifters

226cc



BRODIX TRACK 1 FORD

Physical Specifications

Brodix Track 1 SBF Castings

Intake Runner Volume **218cc**
 Combustion Chamber Volume **72cc**
 20° Valve Angle

Intake Valve 2.080 dia. x 5.015 length*
 (45° seat)

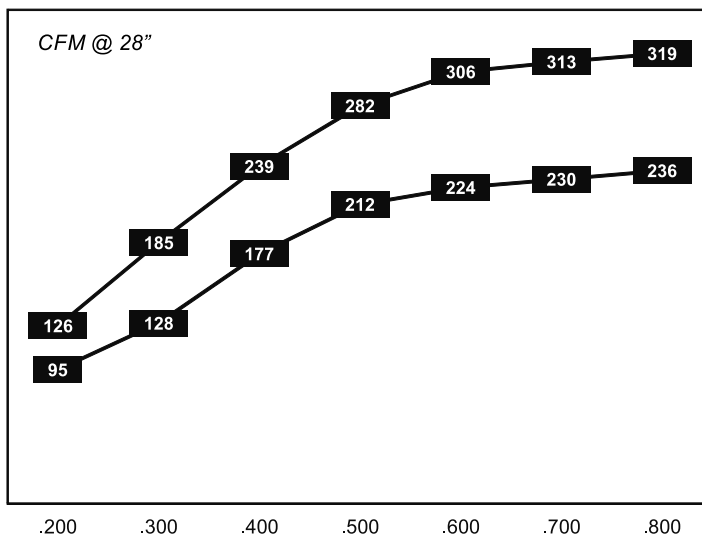
Exhaust Valve 1.600 dia. x 5.015 length*
 (45° seat)

90° Intake flange
 Intake port opening at gasket **2.115H x 1.31W**
 Distance from floor to deck at gasket **.275**
 Intake min. cross sectional dim. **2.3 sq. in.**

Notations

Stud girdle 53/119 BR 6430
 Rocker arms Ford 7/16" roller rockers
 Guide plates 5/16" BR 289351
 Standard lifters

218cc



*2" Installed spring height

BRODIX 15° LM

Physical Specifications

Brodix -15° Castings

Intake Runner Volume **261cc**

Combustion Chamber Volume **49cc**

15° Valve Angle

58/107 Valve spacing

Intake Valve 2.180 dia. x 5.850 length

Serdi # HP2353-B1 (45° seat)

Exhaust Valve 1.600 dia. x 5.850 length

Serdi # B1X1 (45° seat)

5° Intake flange

Intake port opening at gasket **2.18H x 1.36W**

Distance from floor to deck at gasket **1.39**

Intake min. cross sectional dim. **2.685 sq. in.**

Notations

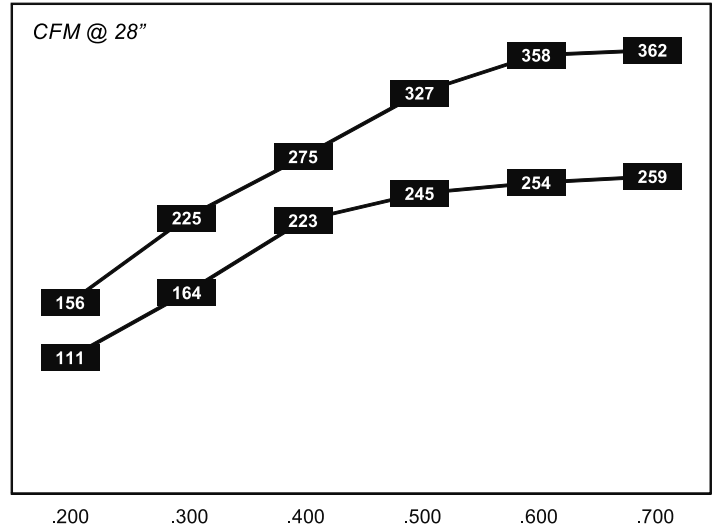
Available in standard or spread port exhaust

.550 Offset rockers required

.180 Offset lifters required

(T&D 2239, JESEL KPS 306114, Crower 74117F)

261cc



BRODIX 16° LM

Physical Specifications

Brodix -16° Castings

Intake Runner Volume **267cc**

Combustion Chamber Volume **48cc**

16° Valve Angle

58/107 Valve spacing

Intake Valve 2.180 dia. x 5.550 length

Serdi # HP2353-B1 (45° seat)

Exhaust Valve 1.600 dia. x 5.550 length

Serdi # B1X1 (45° seat)

5° Intake flange

Intake port opening at gasket **2.19H x 1.355W**

Distance from floor to deck at gasket **1.385**

Intake min. cross sectional dim. **2.645 sq. in.**

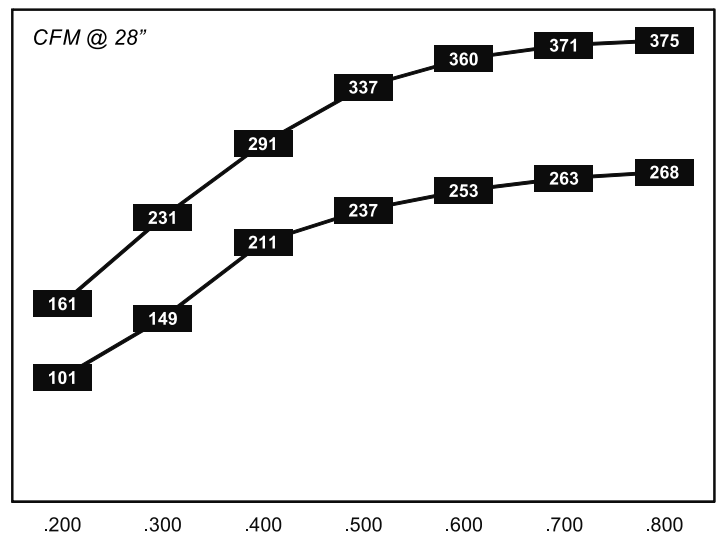
Notations

Standard exhaust pattern

Offset rockers required (T&D 2125, JESEL KPS 10509)

.180 Offset lifters required

267cc



BRODIX 12° LM

Physical Specifications

Brodix -12° LM CNC Castings

Intake Runner Volume **300cc**

Combustion Chamber Volume **49cc**

12° Valve Angle

85/134 Valve spacing

Intake Valve **2.180** dia. x **.700** long

Serdi # HP2353-B1 (45° seat)

Exhaust Valve **1.625** dia. x **.700** long

Serdi # B1X1 (45° seat)

5° Intake flange

Intake port opening at gasket **2.2H x 1.4W**

Distance from floor to deck at gasket **1.72**

Intake min. cross sectional dim. **2.67 sq. in.**

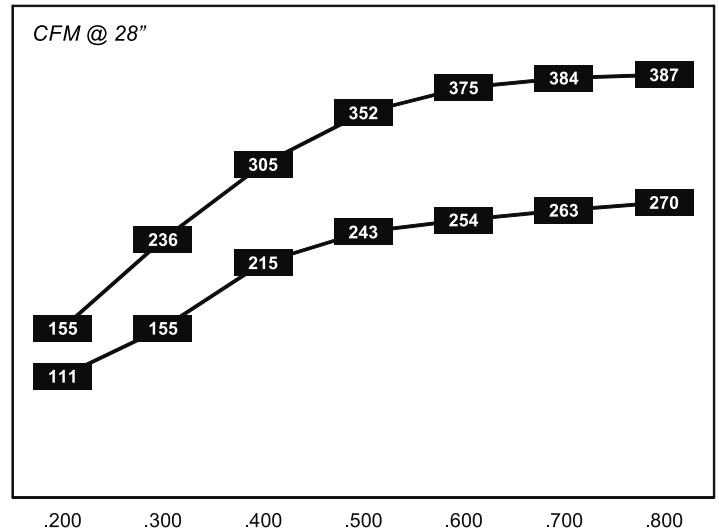
Notations

Standard exhaust pattern

Offset rockers required (T&D 22076, JESEL KPS 45442)

.180 Offset lifters required

300cc



BRODIX 13° LM

Physical Specifications

Brodix 13° CNC Castings

Intake Runner Volume **282cc**

Combustion Chamber Volume **43cc**

13° Valve Angle

85/134 Valve spacing

Intake Valve **2.180** dia. x **.700** long

Serdi # HP2353-B1 (45° seat)

Exhaust Valve **1.600** dia. x **.700** long

Serdi # B1X1 (45° seat)

5° Intake flange

Intake port opening at gasket **2.2H x 1.38W**

Distance from floor to deck at gasket **1.68**

Intake min. cross sectional dim. **2.608 sq. in.**

Notations

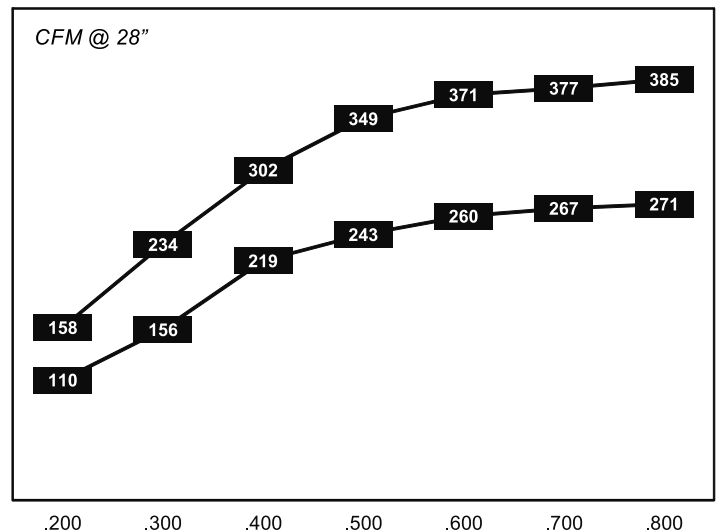
Standard exhaust pattern

Offset rockers required (T&D 2126, JESEL KPS 32342)

.180 Offset lifters required

Also available with **292cc** that accepts a 2.200 valve

282cc



PROFILER 13° LM

Physical Specifications

ProFiler 13° CNC Castings

Intake Runner Volume **297cc**

Combustion Chamber Volume **45cc**

13° Valve Angle

85/135 Valve spacing

Intake Valve 2.180 dia. x 5.740 length
(50° seat)

Exhaust Valve 1.600 dia. x 5.740 length
(45° seat)

5° Intake flange

Intake port opening at gasket **2.185H x 1.41W**

Distance from floor to deck at gasket **1.69**

Intake min. cross sectional dim. **2.76 sq. in.**

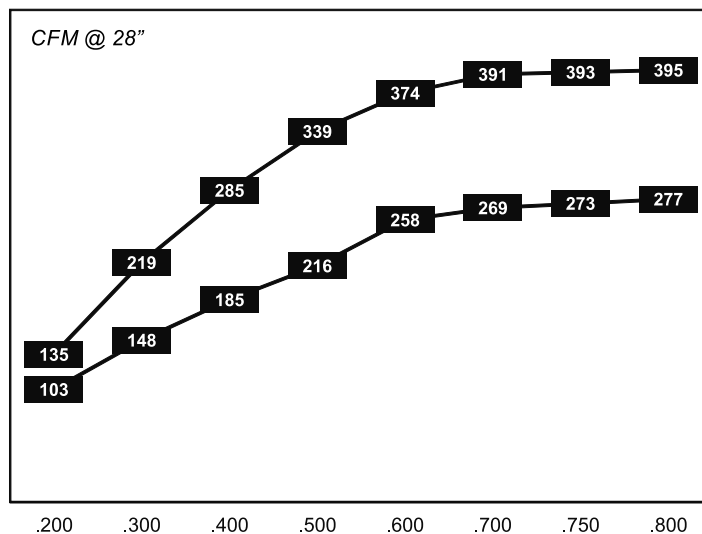
Notations

Standard exhaust pattern

.650 Offset rockers required

.180 Offset lifters required

297cc



BRODIX 13° LM

Physical Specifications

BroDix 13° CNC Castings

Intake Runner Volume **289cc**

Combustion Chamber Volume **45cc**

13° Valve Angle

85/134 Valve spacing

Intake Valve 2.180 dia. x .700 long
Goodson # EFT-5046B-HP (50° seat)

Exhaust Valve 1.625 dia. x .700 long
Serdi # B1X1 (45° seat)

5° Intake flange

Intake port opening at gasket **2.22H x 1.375W**

Distance from floor to deck at gasket **1.7**

Intake min. cross sectional dim. **2.73 sq. in.**

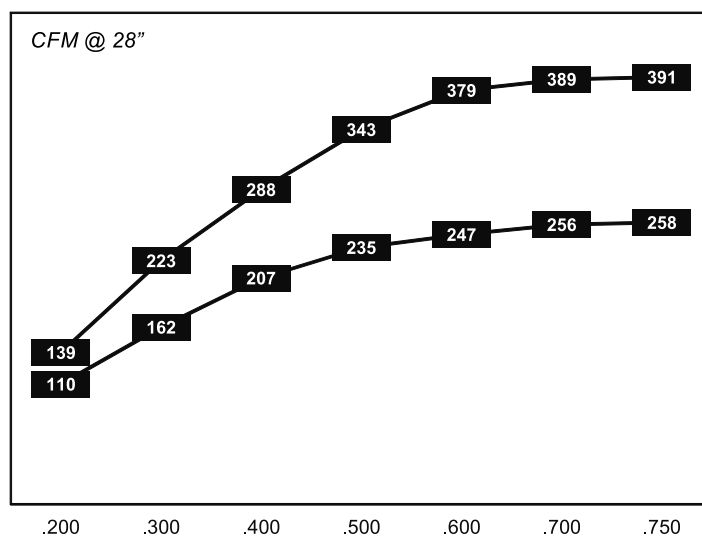
Notations

Standard exhaust pattern

Offset rockers required (T&D 2126, JESEL KPS 32342)

.180 Offset lifters required

289cc



BRODIX 10 S RI 21° SEGA

Physical Specifications

Brodix 10 S RI CNC Castings

Intake Runner Volume **246cc**

Combustion Chamber Volume **54cc**

21.15° Valve Angle

60/80 Valve spacing

Intake Valve 2.125 dia. x .300 long
(45° seat)

Exhaust Valve 1.600 dia. x .300 long
(45° seat)

10° Intake flange

Intake port opening at gasket **2.31H x 1.39W**

Distance from floor to deck at gasket **.53**

Intake min. cross sectional dim. **2.62 sq. in.**

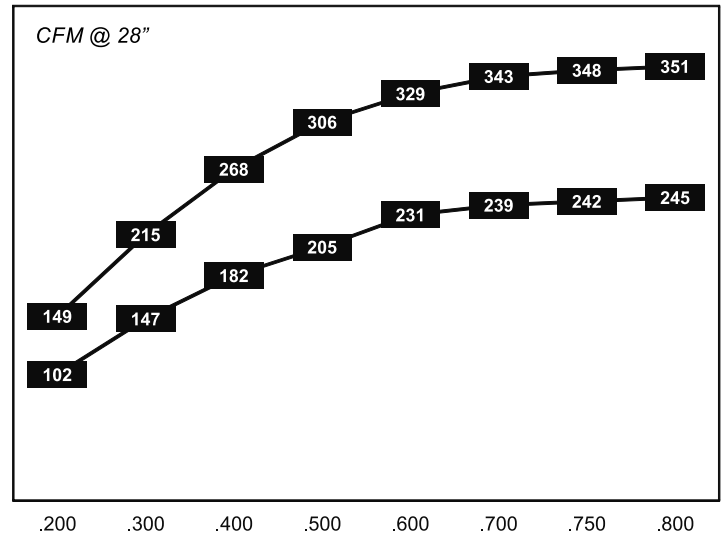
Notations

Approved for competition in SouthEast Gassers Assoc.

.650 Offset rocker shafts required (T&D 2274)

.180 Offset lifters required

246cc



BRODIX 10 S RI 21° LM

Physical Specifications

Brodix 10 S RI CNC Castings

Intake Runner Volume **229cc**

Combustion Chamber Volume **53cc**

21.15° Valve Angle

60/80 Valve spacing

Intake Valve 2.080 dia. x .300 long
(45° seat)

Exhaust Valve 1.600 dia. x .300 long
(45° seat)

10° Intake flange

Intake port opening at gasket **2.3H x 1.365W**

Distance from floor to deck at gasket **.375**

Intake min. cross sectional dim. **2.35 sq. in.**

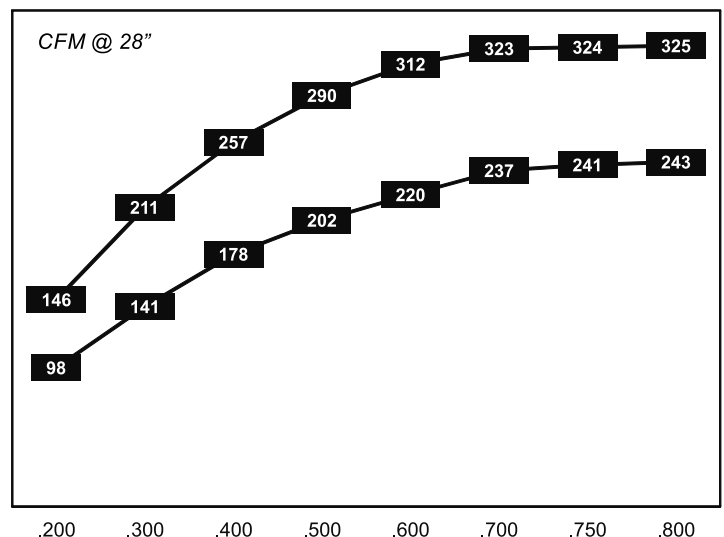
Notations

Compatible for use in F.U.E.L. Racing Series

.650 Offset rocker shafts required (T&D 2274)

.180 Offset lifters required

229cc



BRODIX-10RI 23°

Physical Specifications

Brodix -10 RI Castings

Intake Runner Volume **240cc**

Combustion Chamber Volume **71cc**

22.3° Valve Angle (*Angle machined 0-100*)

40/60 Valve spacing

Intake Valve 2.125 dia. x 5.165 length

Serdi # 2TN-B1 (45° seat)

Exhaust Valve 1.600 dia. x 5.165 length

Serdi # H1X1 (45° seat)

10° Intake flange

Intake port opening at gasket **2.27H x 1.35W**

Distance from floor to deck at gasket **.4**

Intake min. cross sectional dim. **2.362 sq. in.**

Notations

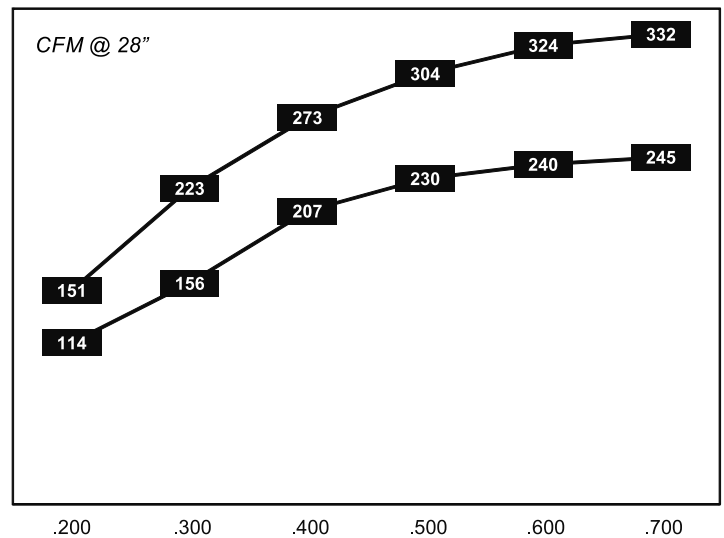
Available in standard or spread port exhaust

If using offset rocker ARMS, *offset lifters are required.*

If using 350 or more offset rocker SHAFTS,
offset lifters are not required.

(T&D: 2216=.450, 2217=.375, 2218=.250)

JONES 240



BRODIX-10X AP 23°

Physical Specifications

Brodix -10X AP Castings

Intake Runner Volume **230cc**

Combustion Chamber Volume **65cc**

22.3° Valve Angle (*Angle machined 0-100*)

40/60 Valve spacing

Intake Valve 2.125 dia. x .300 long

Sunnen # A95961 (45° seat)

Exhaust Valve 1.600 dia. x .300 long

Sunnen # A18142 (45° seat)

10° Intake flange

Intake port opening at gasket **2.195H x 1.35W**

Distance from floor to deck at gasket **.515**

Intake min. cross sectional dim. **2.54 sq. in.**

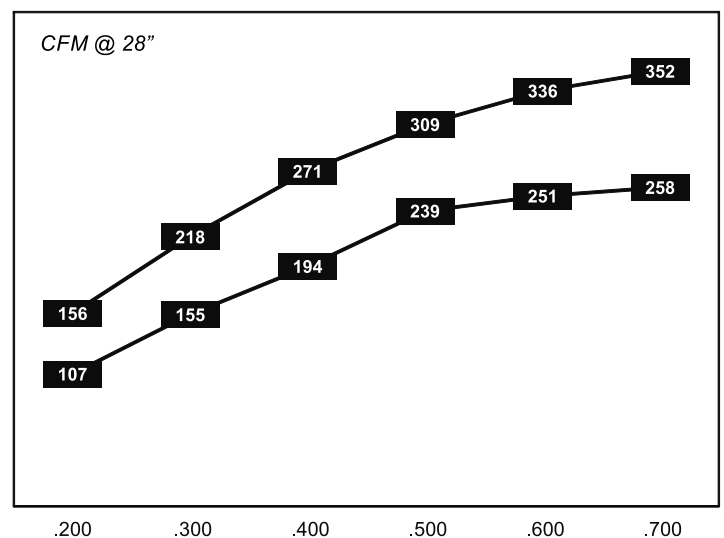
Notations

Available in standard or spread port exhaust

.750 Offset rocker shafts required

.180 Offset lifters required

AP 230



BRODIX 10X

Physical Specifications

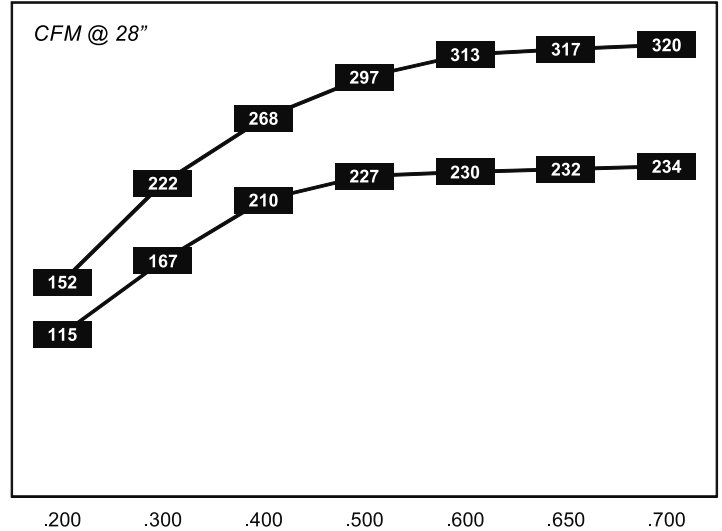
Brodirx -10X (3941075) NASCAR Castings

Intake Runner Volume	231cc
Combustion Chamber Volume	69cc
22.3° Valve Angle (<i>Angle Machined 0-100</i>)	
40/60 Valve spacing	
Intake Valve	2.100 dia. x .200 long*
Serdi #	1T35 (45° seat)
Exhaust Valve	1.600 dia. x .200 long*
Serdi #	H1X1 (45° seat)
10° Intake flange	
Intake port opening at gasket	2.22H x 1.36W
Distance from floor to deck at gasket	.47
Intake min. cross sectional dim.	2.318 sq. in.

Notations

Available in standard or spread port exhaust
 If using offset rocker ARMS, *offset lifters are required.*
 If using 350 or more offset rocker SHAFTS,
offset lifters are not required.
 (T&D: 2216=.450, 2217=.375, 2218=.250)
 Intake Gasket: FP 1263 Exhaust Gasket: MG 1500 (SPX)

HVH 231



* 2" springs require .300 long valves

Physical Specifications

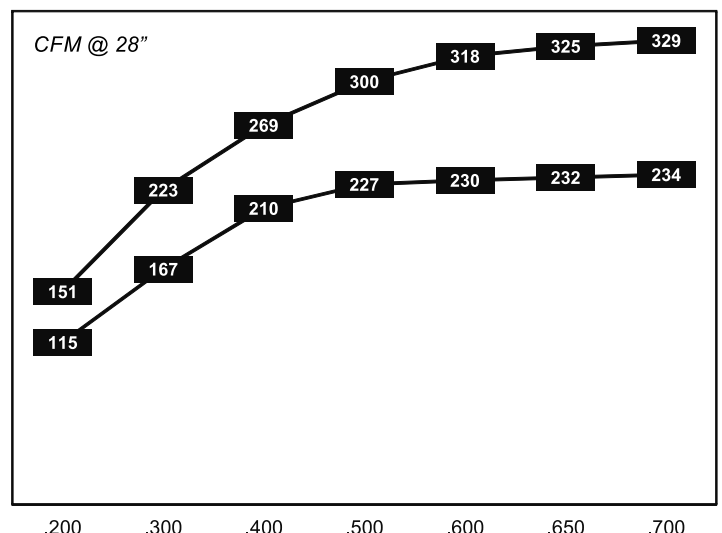
Brodirx -10X (3941075) NASCAR Castings

Intake Runner Volume	233cc
Combustion Chamber Volume	74cc
22.3° Valve Angle (<i>Angle Machined 0-100</i>)	
40/60 Valve spacing	
Intake Valve	2.125 dia. x .200 long*
Serdi #	2TN-B1 (45° seat)
Exhaust Valve	1.600 dia. x .200 long*
Serdi #	H1X1 (45° seat)
10° Intake flange	
Intake port opening at gasket	2.22H x 1.36W
Distance from floor to deck at gasket	.47
Intake min. cross sectional dim.	2.318 sq. in.

Notations

Available in standard or spread port exhaust
 If using offset rocker ARMS, *offset lifters are required.*
 If using 350 or more offset rocker SHAFTS,
offset lifters are not required.
 (T&D: 2216=.450, 2217=.375, 2218=.250)
 Intake Gasket: FP 1263 Exhaust Gasket: MG 1500 (SPX)

HVH 233



* 2" springs require .300 long valves

BRODIX 10X RP

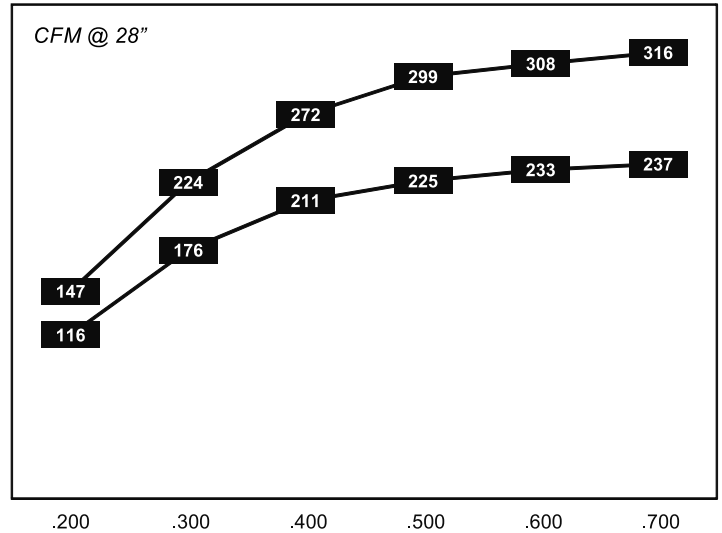
GEN 230

Physical Specifications

Brodix -10X RP (3941075) NASCAR Castings
 Intake Runner Volume **230cc**
 Combustion Chamber Volume **65cc**
 22.3° Valve Angle (*Angle Machined 0-100*)
 40/60 Valve spacing
Intake Valve **2.100** dia. x **.200** long*
 Serdi # 2TN-B1 (45° seat)
Exhaust Valve **1.600** dia. x **.200** long*
 Serdi # B1X1 (45° seat)
 10° Intake flange
 Intake port opening at gasket **2.05H x 1.34W**
 Distance from floor to deck at gasket **.67**
 Intake min. cross sectional dim. **2.47 sq. in.**

Notations

Available in standard or spread port exhaust
 If using offset rocker ARMS, *offset lifters are required.*
 If using 350 or more offset rocker SHAFTS,
offset lifters are not required.
 (T&D: 2216=.450, 2217=.375, 2218=.250)



* 2" springs require .300 long valves

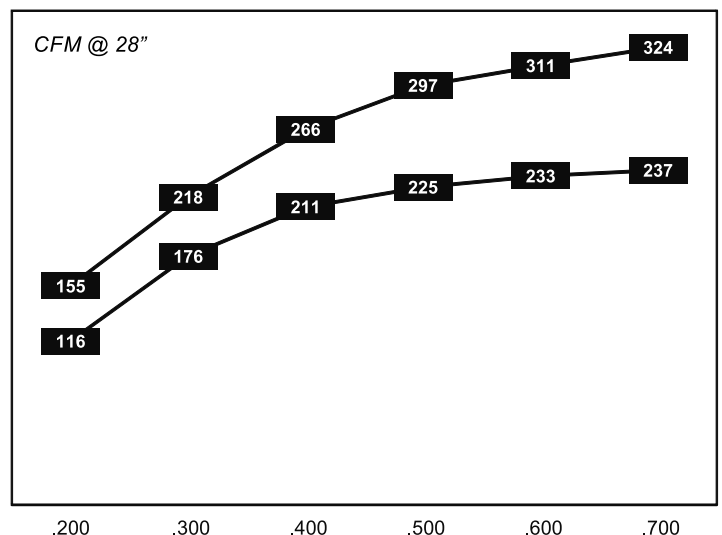
GEN 232

Physical Specifications

Brodix -10X RP (3941075) NASCAR Castings
 Intake Runner Volume **232cc**
 Combustion Chamber Volume **65cc**
 22.3° Valve Angle (*Angle Machined 0-100*)
 40/60 Valve spacing
Intake Valve **2.125** dia. x **.200** long*
 Serdi # 2TN-B1 (45° seat)
Exhaust Valve **1.600** dia. x **.200** long*
 Serdi # B1X1 (45° seat)
 10° Intake flange
 Intake port opening at gasket **2.04H x 1.34W**
 Distance from floor to deck at gasket **.68**
 Intake min. cross sectional dim. **2.45 sq. in.**

Notations

Available in standard or spread port exhaust
 If using offset rocker ARMS, *offset lifters are required.*
 If using 350 or more offset rocker SHAFTS,
offset lifters are not required.
 (T&D: 2216=.450, 2217=.375, 2218=.250)



* 2" springs require .300 long valves

BRODIX ASCS CHEVY

Physical Specifications

Brodix 11 SP X ASCS Castings

Intake Runner Volume **220cc**
 Combustion Chamber Volume **58cc**
 23° Valve Angle

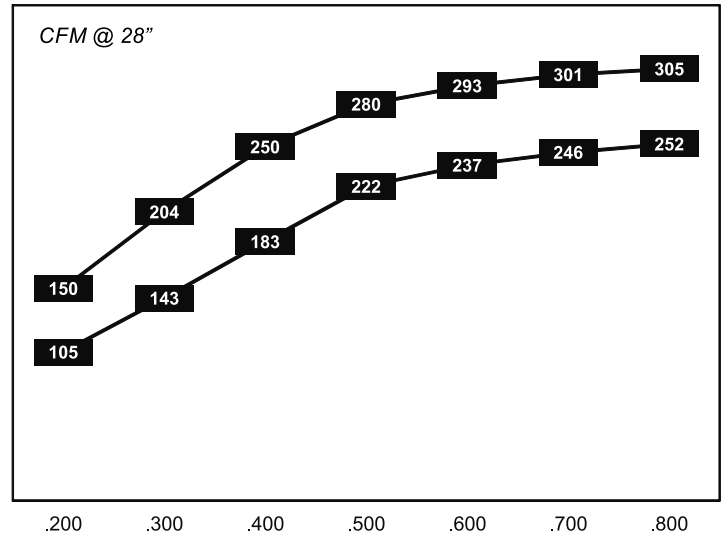
Intake Valve 2.100 dia. x .200 long
 (45° seat)

Exhaust Valve 1.600 dia. x .200 long
 (45° seat)

Notations

Intake gasket FP 1206
 Exhaust gasket Cometic C5424

U.S. Version



Physical Specifications

Brodix 11 SP X ASCS Castings

Intake Runner Volume **229cc**
 Combustion Chamber Volume **58cc**
 23° Valve Angle

Intake Valve 2.125 dia. x .200 long
 (45° seat)

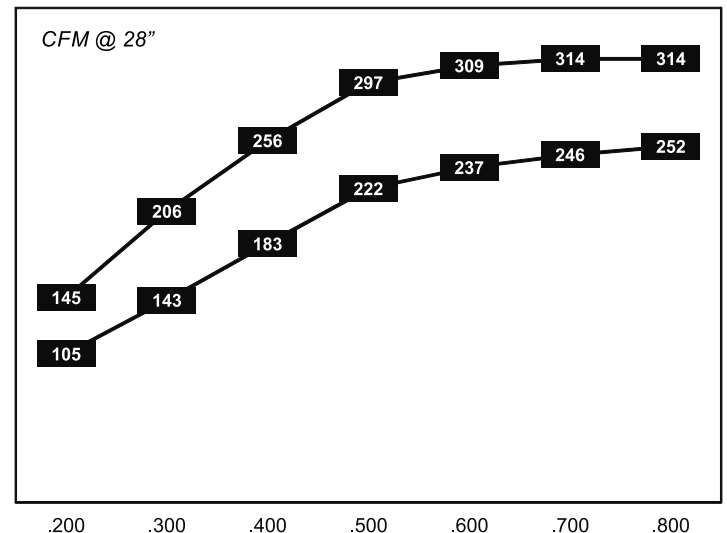
Exhaust Valve 1.600 dia. x .200 long
 (45° seat)

Notations

Intake gasket FP 1206
 Exhaust gasket Cometic C5424

****NOT LEGAL for ASCS competition in the U.S.A.****

Australia



BRODIX ASCS FORD

U.S. Version

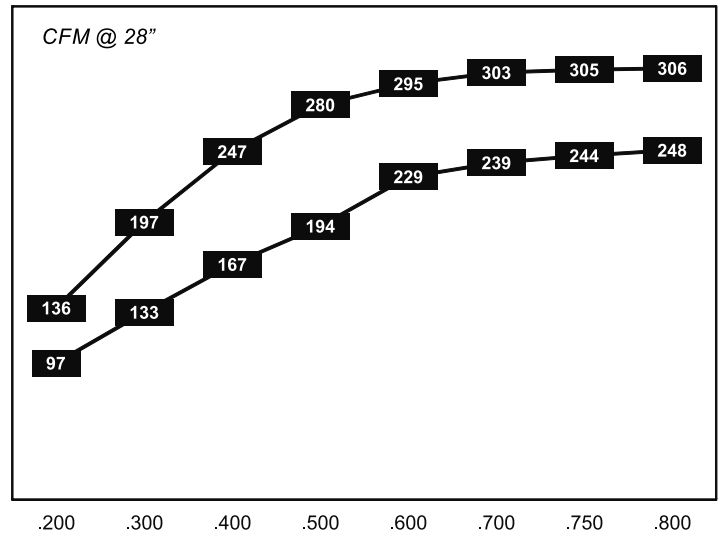
Physical Specifications

Brodix 27-223 ASCS Castings
 Intake Runner Volume **200cc**
 Combustion Chamber Volume **77cc**
 20° Valve Angle

Intake Valve 2.100 dia. x 5.140 length
 Serdi # 2TN-B1 (45° seat)
Exhaust Valve 1.600 dia. x 5.140 length
 Serdi # 029695 (45° seat)

Notations

Intake gasket FP 1262
 Exhaust gasket MG 1315



Australia

Physical Specifications

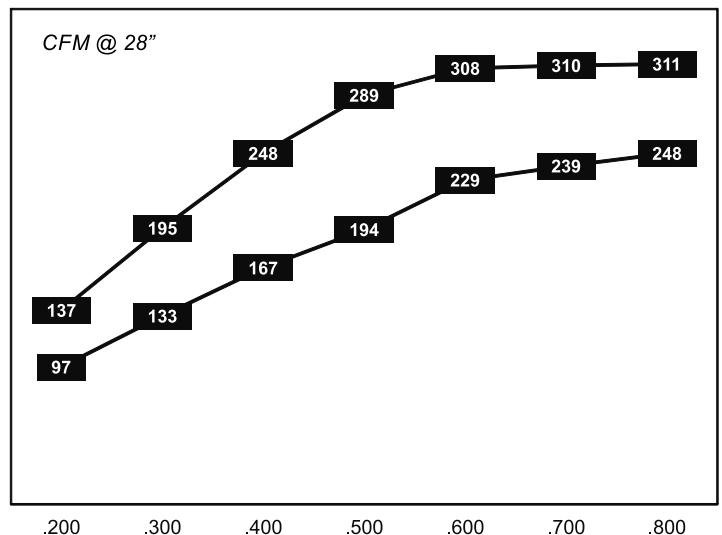
Brodix 27-223 ASCS Castings
 Combustion Chamber Volume **77cc**
 20° Valve Angle

Intake Valve 2.100 dia. x 5.140 length
 Serdi # 2TN-B1 (45° seat)
Exhaust Valve 1.600 dia. x 5.140 length
 Serdi # 029695 (45° seat)

Notations

Intake gasket FP 1262
 Exhaust gasket MG 1315

****NOT LEGAL for ASCS competition in the U.S.A.****



BRODIX BD 1010-LM

Physical Specifications

Brodix BD1010 Castings

Intake Runner Volume **282cc**

Combustion Chamber Volume **44cc**

12° Valve Angle

95/150 Valve spacing

Intake Valve **2.180** dia. x **6.250** length

Serdi # HP2353-B1 (45° seat)

Exhaust Valve **1.600** dia. x **6.250** length

Serdi # B1X1 (45° seat)

5° Intake flange

Intake port opening at gasket **2.02H x 1.575W**

Distance from floor to deck at gasket **2.15**

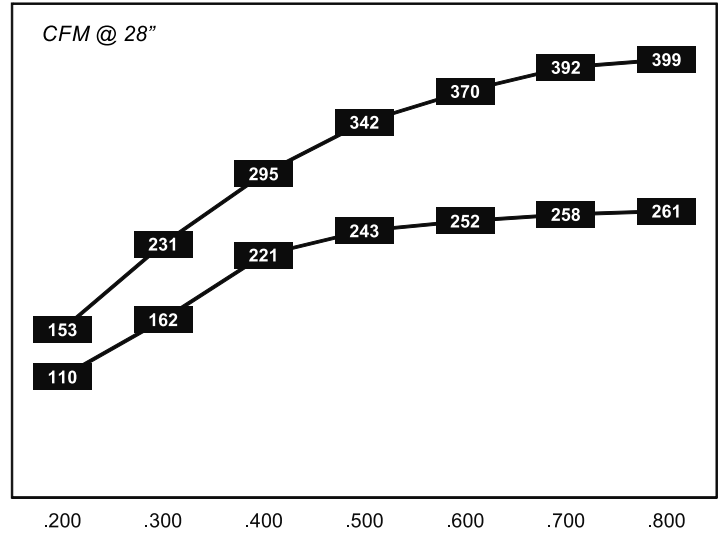
Intake min. cross sectional dim. **2.53 sq. in.**

Notations

Offset rocker shafts required

Offset lifters required

282cc



BRODIX BD2300

Physical Specifications

Brodix BD2300 Castings

Intake Runner Volume **312cc**

Combustion Chamber Volume **49cc**

13.5° Valve Angle

95/150 Valve spacing

Intake Valve **2.200** dia. x **6.250** length

Serdi # 025714 (52° seat)

Exhaust Valve **1.600** dia. x **6.250** length

Serdi # B1X1 (45° seat)

5° Intake flange

Intake port opening at gasket **2.15H x 1.5W**

Distance from floor to deck at gasket **2.305**

Intake min. cross sectional dim. **2.75 sq. in.**

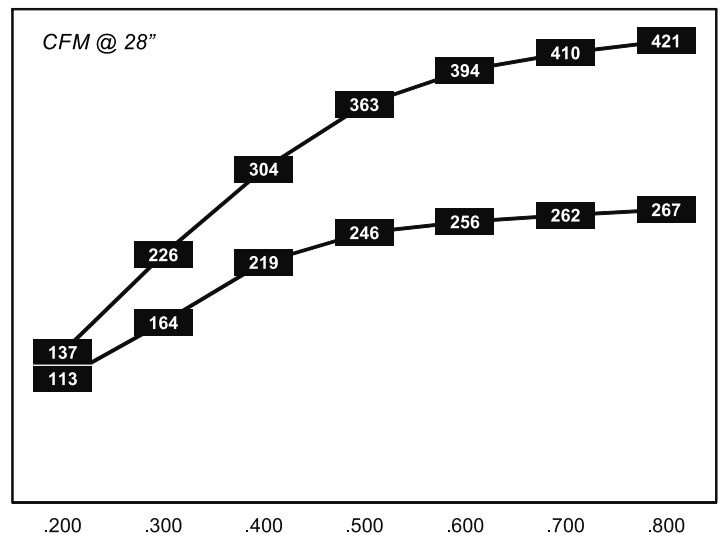
Notations

Offset rockers shafts required

Offset lifters required

Offset lifter bore block recommended

312cc



BRODIX 12 X 12

Physical Specifications

Custom Brodix 12 X 12 Castings

Intake Runner Volume **275cc, 286cc or 296cc**

Combustion Chamber Volume **67cc**

12° Valve Angle

58/107 Valve spacing

Exhaust Valve **1.600** dia. x **5.540** length

Serdi # H1X1 (45° seat)

10° Intake flange

Notations

Spread port exhaust

.550 Offset rocker shafts required (T&D 22073)

.180 Offset lifters required

Intake gasket Brodix MG 1212

Exhaust gasket Brodix MG 52464/Cometic C5424

Manifold Brodix HV 1800/HV 1801

275cc

Intake Runner Volume **275cc**

Intake Valve **2.150** dia. x **5.540** length

Serdi # 2TN-B1 (45° seat)

Intake port opening at gasket **2.34H x 1.26W**

Distance from floor to deck at gasket **1.025**

Intake min. cross sectional dim. **2.7 sq. in.**

286cc

Intake Runner Volume **286cc**

Intake Valve **2.180** dia. x **5.540** length

Serdi # 2TN-B1 (45° seat)

Intake port opening at gasket **2.37 x 1.29W**

Distance from floor to deck at gasket **1.01**

Intake min. cross sectional dim. **2.798 sq. in.**

296cc

Intake Runner Volume **296cc**

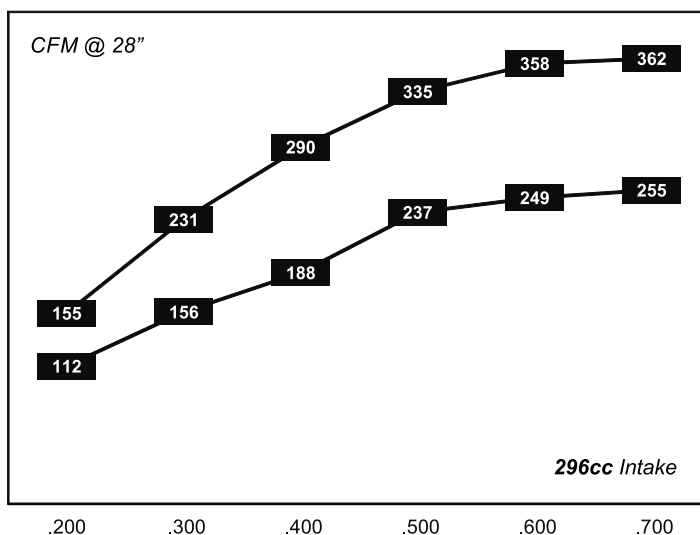
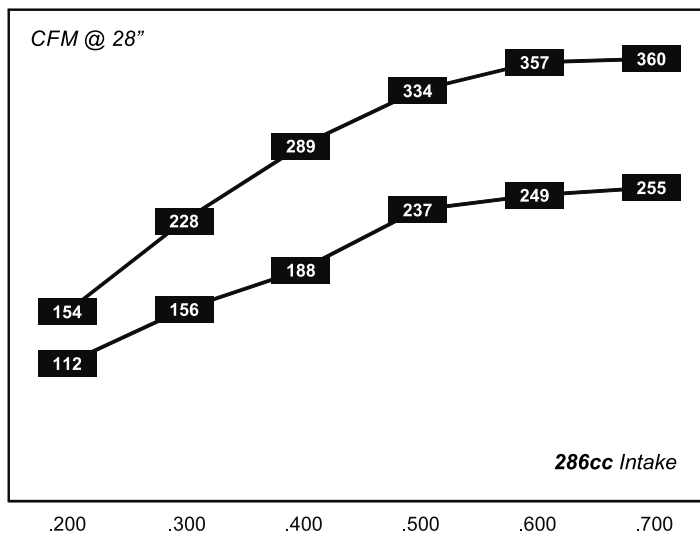
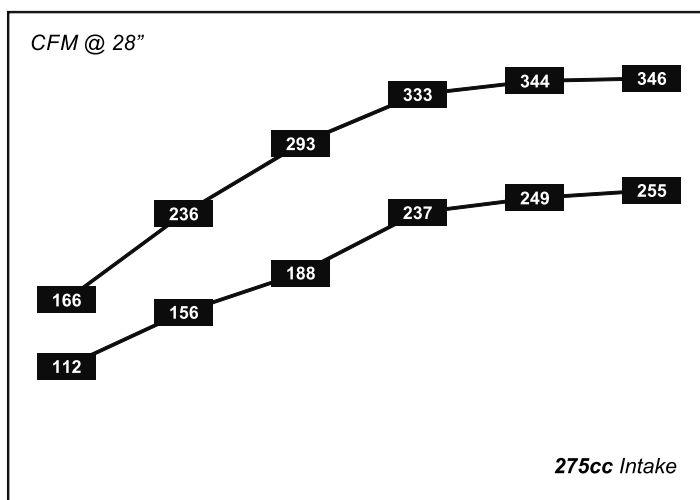
Intake Valve **2.180** dia. x **5.540** length

Serdi # 2TN-B1 (45° seat)

Intake port opening at gasket **2.4H x 1.32W**

Distance from floor to deck at gasket **1.0**

Intake min. cross sectional dim. **2.898 sq. in.**



BRODIX 12X12RP

Physical Specifications

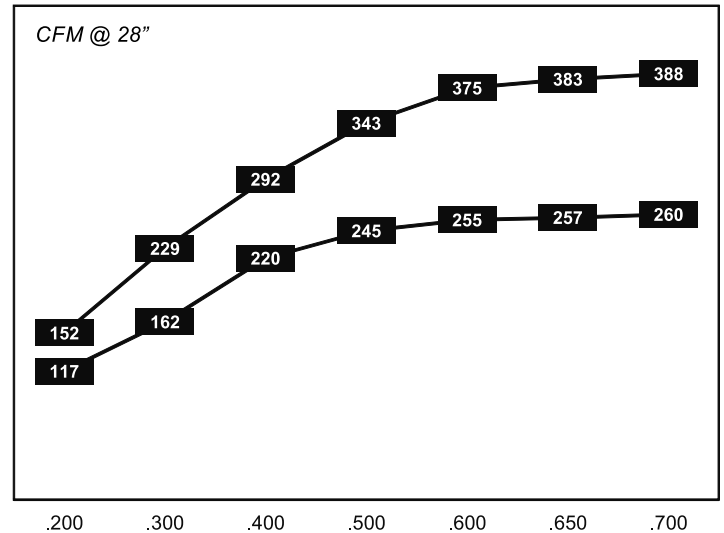
Custom Brodix 12X12 SP RP Castings

Intake Runner Volume	300cc
Combustion Chamber Volume	64cc
12° Valve Angle	
58/125 Valve spacing	
Intake Valve	2.200 dia. x 6.090 length
Serdi #	SC 604 (45° seat)
Exhaust Valve	1.600 dia. x 6.090 length
Serdi #	H1X1 (45° seat)
5° Intake flange	
Intake port opening at gasket	2.23H x 1.46W
Distance from floor to deck at gasket	1.92
Intake min. cross sectional dim.	2.74 sq. in.

Notations

Spread port exhaust	
.650 Offset rocker shafts required	
.180 Offset lifters required	
Intake gasket	Brodix MG 2200
Exhaust gasket	Brodix MG 52464/Cometic C5424
Manifold	Brodix HV 1800/HV 1801 (Valley Tray and Spacers required)

BRO 300



*Flow #'s provided by BRODIX, Inc.

BRODIX GB2000 - 13.5°

Physical Specifications

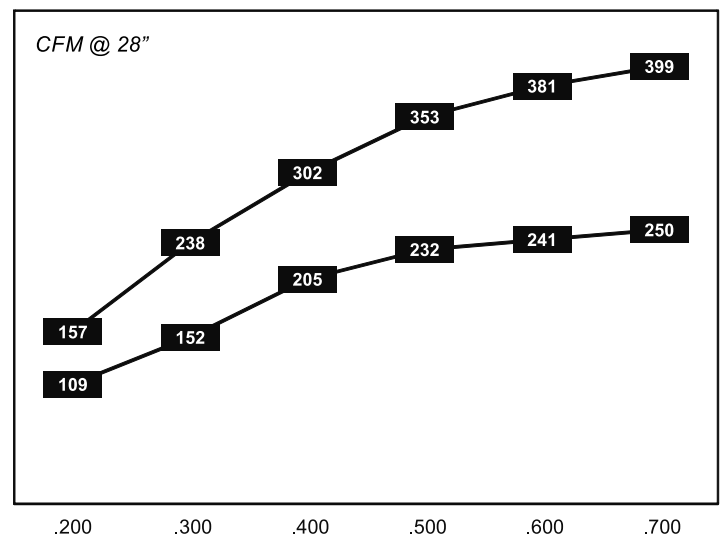
Custom Brodix GB2000/2001 Castings

Intake Runner Volume	286cc
Combustion Chamber Volume	76cc
13.5° Valve Angle	
85/125 Valve spacing	
Intake Valve	2.200 dia. x 6.090 length
Serdi #	SC 604 (45° seat)
Exhaust Valve	1.580 dia. x 6.090 length
Serdi #	H1X1 (45° seat)
5° Intake flange	
Intake port opening at gasket	2.2H x 1.465W
Distance from floor to deck at gasket	1.96
Intake min. cross sectional dim.	2.7 sq. in.

Notations

Spread port exhaust	
.700 Offset rocker shafts required (T&D 2221)	
.180 Offset lifters required	
Exhaust gasket	Cometic C5422

BRO 286



*Flow #'s provided by BRODIX, Inc.

BRODIX BD 1010

Physical Specifications

Custom Brodix BD1010 Castings

Intake Runner Volume **300cc**
 Combustion Chamber Volume **64cc**

12° Valve Angle
 58/125 Valve spacing

Intake Valve 2.200 dia. x 6.090 length
 Serdi # SC 604 (45° seat)

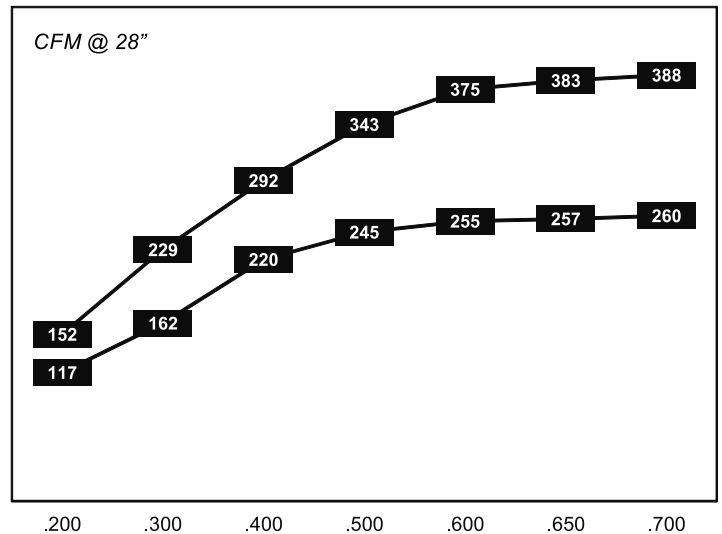
Exhaust Valve 1.600 dia. x 6.090 length
 Serdi # H1X1 (45° seat)

5° Intake flange
 Intake port opening at gasket **2.23H x 1.46W**
 Distance from floor to deck at gasket **1.92**
 Intake min. cross sectional dim. **2.74 sq. in.**

Notations

.700 Offset rocker shafts required (T&D 2220)
 .180 Offset lifters required
 Intake gasket Cometic C5421
 Exhaust gasket Cometic C5420
 Manifold Brodix BM 100/BM 102
 (Valley Tray and Spacers required)

BRO 300



*Flow #'s provided by BRODIX, Inc.

BRODIX BD2000

Physical Specifications

Custom Brodix BD2000 Castings

Intake Runner Volume **286cc**
 Combustion Chamber Volume **76cc**

13.5° Valve Angle
 85/125 Valve spacing

Intake Valve 2.200 dia. x 6.090 length
 Serdi # SC 604 (45° seat)

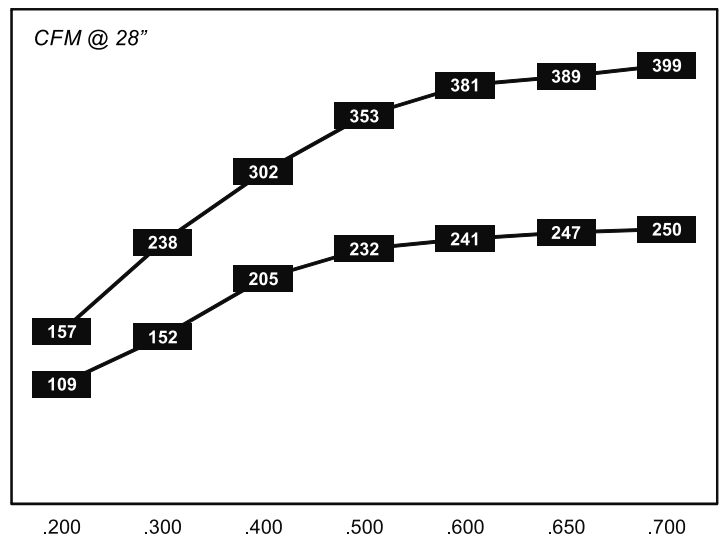
Exhaust Valve 1.580 dia. x 6.090 length
 Serdi # H1X1 (45° seat)

5° Intake flange
 Intake port opening at gasket **2.2H x 1.465W**
 Distance from floor to deck at gasket **1.96**
 Intake min. cross sectional dim. **2.7 sq. in.**

Notations

.700 Offset rocker shafts required (T&D 2223)
 .180 Offset lifters required
 Intake gasket Cometic C5421
 Exhaust gasket Cometic C5420
 Manifold Brodix BM 100/BM 102
 (Valley Tray and Spacers required)

BRO 286



*Flow #'s provided by BRODIX, Inc.

BRODIX BD4510-LM

292cc

Physical Specifications

Brodix BD4510 Castings

Intake Runner Volume **292cc**

Combustion Chamber Volume **50cc**

12° Valve Angle

88/184 Valve spacing

Intake Valve 2.200 dia. x 6.250 length

Serdi # HP2353-B1 (45° seat)

Exhaust Valve 1.600 dia. x 6.250 length

Serdi # 029695 (45° seat)

5° Intake flange

Intake port opening at gasket **2.05H x 1.605W**

Distance from floor to deck at gasket **2.135**

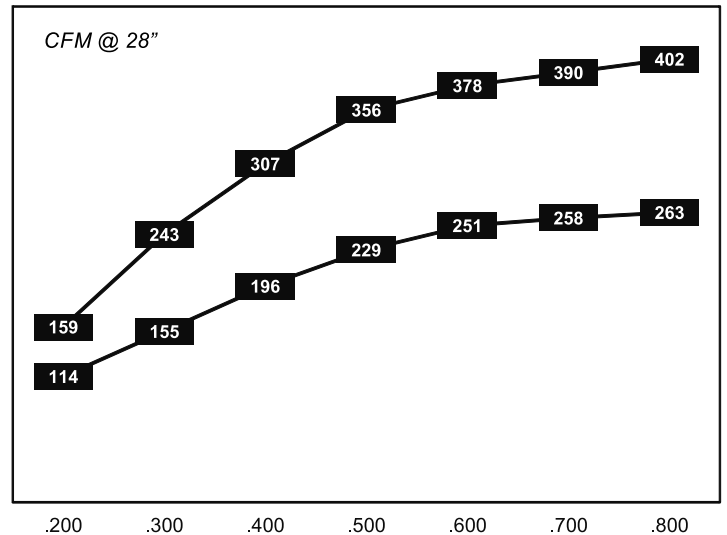
Intake min. cross sectional dim. **2.61 sq. in.**

Notations

.700 Offset rocker shafts required

Offset lifters required

Combustion chambers machined for 4.250 bore



302cc

Physical Specifications

Brodix BD4510 Castings

Intake Runner Volume **302cc**

Combustion Chamber Volume **50cc**

12° Valve Angle

88/184 Valve spacing

Intake Valve 2.230 dia. x 6.250 length

(52° seat)

Exhaust Valve 1.625 dia. x 6.250 length

(55° seat)

5° Intake flange

Intake port opening at gasket **2.08H x 1.635W**

Distance from floor to deck at gasket **2.12**

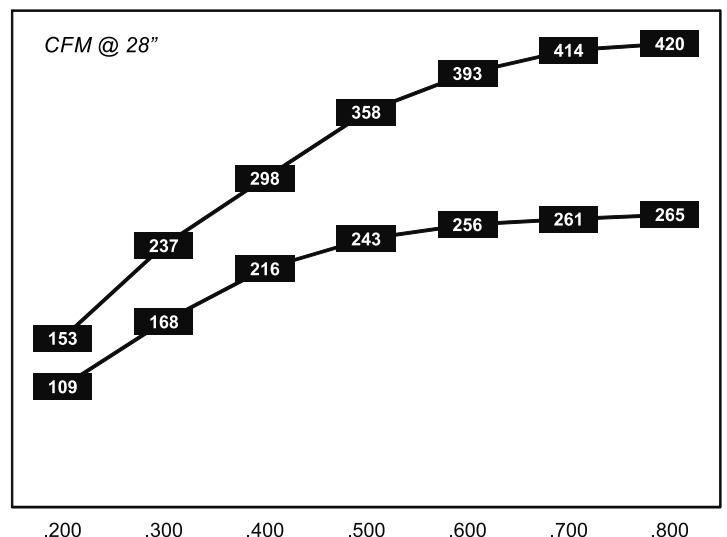
Intake min. cross sectional dim. **2.71 sq. in.**

Notations

.700 Offset rocker shafts required

Offset lifters required

Combustion chambers machined for 4.250 bore



BRODIX BF202 SBF

Physical Specifications

Custom Brodix/Neal BF202 Castings

Intake Runner Volume **277cc**

Combustion Chamber Volume **49cc**

Intake Valve Angle 11°

Intake Valve 2.180 dia. x 5.740 length

Serdi # HP2681-B1 (50° seat)

Exhaust Valve Angle 8.5°

Exhaust Valve 1.600 dia. x 5.640 length

Serdi # B1X1 (45° seat)

90° Intake flange

Intake port opening at gasket **2.175H x 1.525W**

Distance from floor to deck at gasket **1.785**

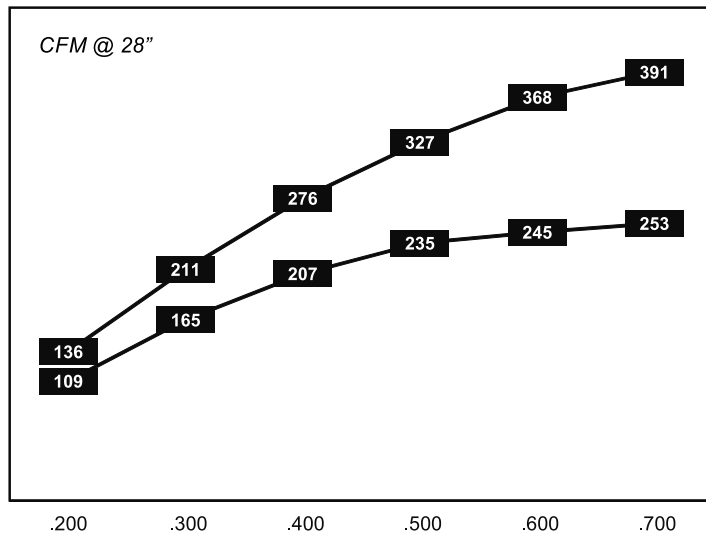
Intake min. cross sectional dim. **2.7 sq. in.**

Notations

Offset rockers required (T&D 7384)

Down nozzles also available

NEAL 277



*Flow #'s provided by BRODIX, Inc.

BRODIX BF200 SBF

Physical Specifications

Custom Brodix/Neal BF200 Castings

Intake Runner Volume **293cc**

Combustion Chamber Volume **46cc**

Intake Valve Angle 11°

Intake Valve 2.125 dia. x 5.740 length

Serdi # HP2393-B1

Exhaust Valve Angle 8.5°

Exhaust Valve 1.600 dia. x 5.640 length

Serdi # 15H45E58R1.5

90° Intake flange

Intake port opening at gasket **2.15H x 1.45W**

Distance from floor to deck at gasket **1.69**

Intake min. cross sectional dim. **2.944 sq. in.**

Notations

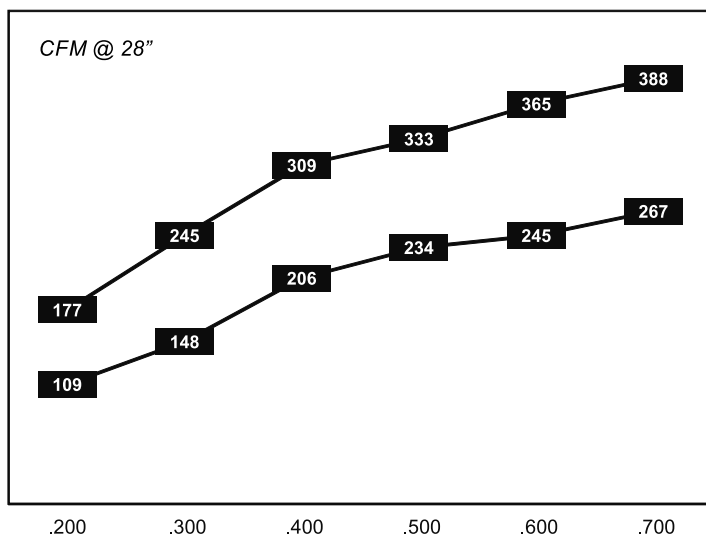
Offset rockers required (T&D 7383)

Down nozzles also available

Intake gasket FP 1265/1229

Exhaust gasket FP 1431

NEAL 293



*Flow #'s provided by NEAL INDUCTION

BRODIX GB2200 - 13.5°

282cc/291cc

Physical Specifications

Custom Brodix GB2200 Castings

Intake Runner Volume **282cc or 291cc**

Combustion Chamber Volume **69cc**

13.5° Valve Angle

85/125 Valve spacing

Intake Valve **2.200** dia. x **6.090** length

Serdi # HP2353-B1 (45° seat)

Exhaust Valve **1.600** dia. x **6.090** length

Serdi # B1X1 (45° seat)

5° Intake flange

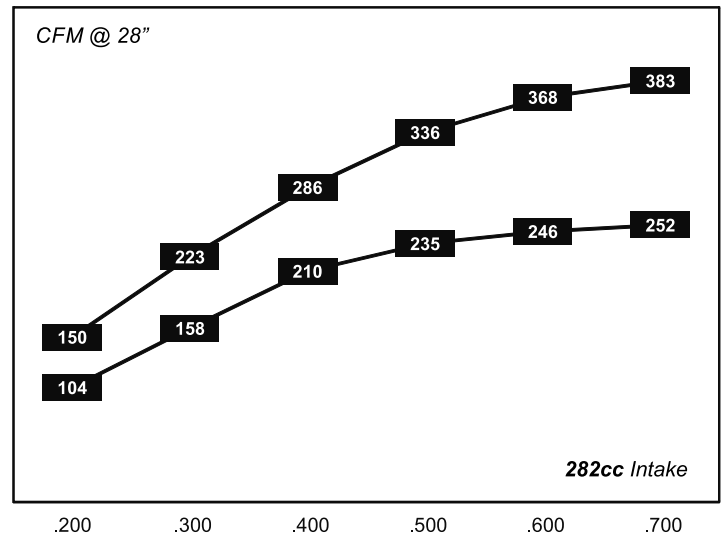
Notations

Spread port exhaust

.725 Offset rocker shafts required (T&D 2222)

.180 Offset lifters required

Exhaust gasket Cometic C5422



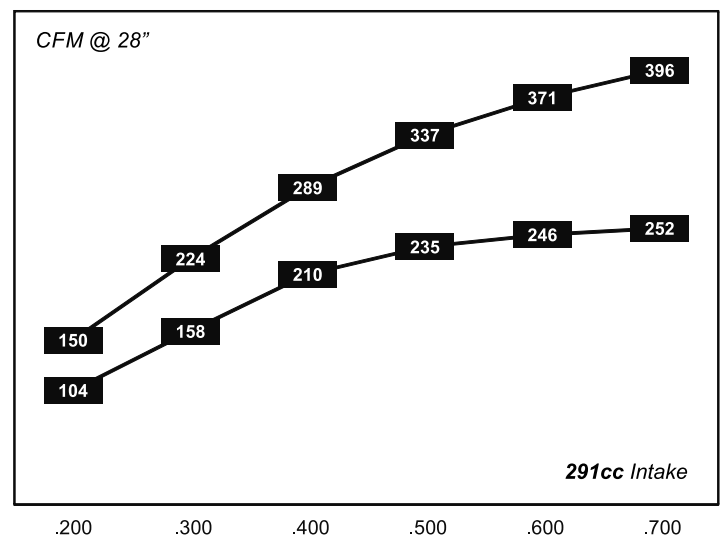
282cc

Intake Runner Volume **282cc**

Intake port opening at gasket **2.12H x 1.46W**

Distance from floor to deck at gasket **2.175**

Intake min. cross sectional dim. **2.67 sq. in.**



291cc

Intake Runner Volume **291cc**

Intake port opening at gasket **2.15H x 1.49W**

Distance from floor to deck at gasket **2.16**

Intake min. cross sectional dim. **2.76 sq. in.**

BRODIX GB2300 - 13.5°

Physical Specifications

Custom Brodix GB2300 Castings

Intake Runner Volume **311cc**

Combustion Chamber Volume **49cc**

13.5° Valve Angle

75/125 Valve spacing

Intake Valve 2.200 dia. x 6.250 length

Serdi # HP2353-B1 (45° seat)

Exhaust Valve 1.580 dia. x 6.250 length

Serdi # B1X1 (45° seat)

5° Intake flange

Intake port opening at gasket **2.14H x 1.5W**

Distance from floor to deck at gasket **2.25**

Intake min. cross sectional dim. **2.75 sq. in.**

Notations

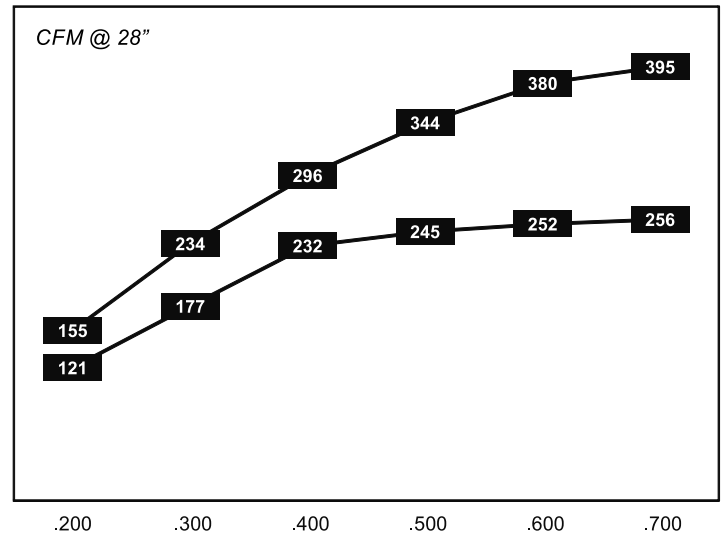
Spread port exhaust

.725 Offset rocker shafts required (T&D 2222)

.180 Offset lifters required

Exhaust gasket Cometic C5422

311 cc [75/125]



311 cc [95/150]

Physical Specifications

Custom Brodix GB2300 Castings

Intake Runner Volume **311cc**

Combustion Chamber Volume **49cc**

13.5° Valve Angle

95/150 Valve spacing

Intake Valve 2.230 dia. x 6.250 length

Serdi # 025714 (52° seat)

Exhaust Valve 1.600 dia. x 6.250 length

Serdi # B1X1 (45° seat)

5° Intake flange

Intake port opening at gasket **2.14H x 1.5W**

Distance from floor to deck at gasket **2.25**

Intake min. cross sectional dim. **2.75 sq. in.**

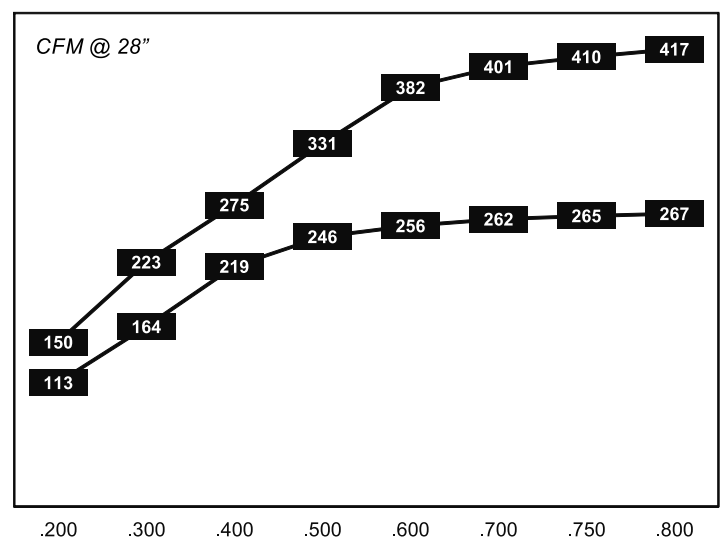
Notations

Spread port exhaust

.725 Offset rocker shafts required (T&D 2222)

.180 Offset lifters required

Exhaust gasket Cometic C5422



BRODIX GB2300 - 13.5°

Physical Specifications

Custom Brodix GB2300 Castings

Intake Runner Volume **309cc**

Combustion Chamber Volume **49cc**

13.5° Valve Angle

75/125 Valve spacing

Intake Valve 2.200 dia. x 6.250 length

Serdi # HP2353-B1 (45° seat)

Exhaust Valve 1.600 dia. x 6.250 length

Serdi # B1X1 (45° seat)

5° Intake flange

Intake port opening at gasket **2.05H x 1.575W**

Distance from floor to deck at gasket **2.395**

Intake min. cross sectional dim. **2.83 sq. in.**

Notations

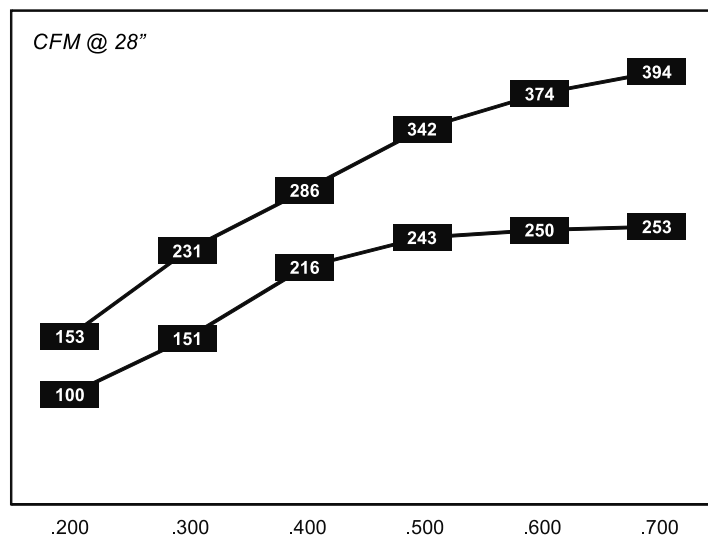
Spread port exhaust

.775 Offset rocker shafts required (T&D 22221)

.180 Offset lifters required

Exhaust gasket Cometic C5422

309cc



BRODIX DR1213

Physical Specifications

Custom Brodix DR1213 Castings

Intake Runner Volume **315cc**

Combustion Chamber Volume **49cc**

95/150 Valve spacing

Intake Valve Angle 12.5°

Intake Valve 2.230 dia. x 6.250 length

Serdi # 025714 (52° seat)

Exhaust Valve Angle 13.5°

Exhaust Valve 1.600 dia. x 6.250 length

Serdi # B1X1 (45° seat)

5° Intake flange

Intake port opening at gasket **2.14H x 1.505W**

Distance from floor to deck at gasket **2.3**

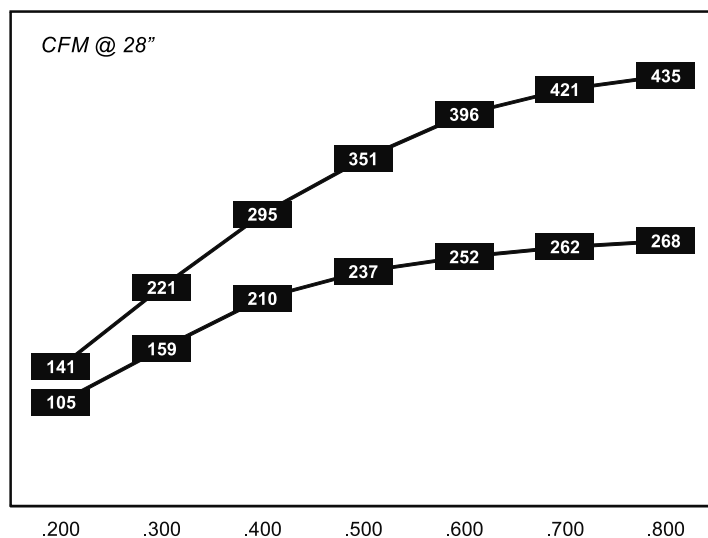
Intake min. cross sectional dim. **2.83 sq. in.**

Notations

.750 Offset rocker shafts required

.180 Offset lifters required

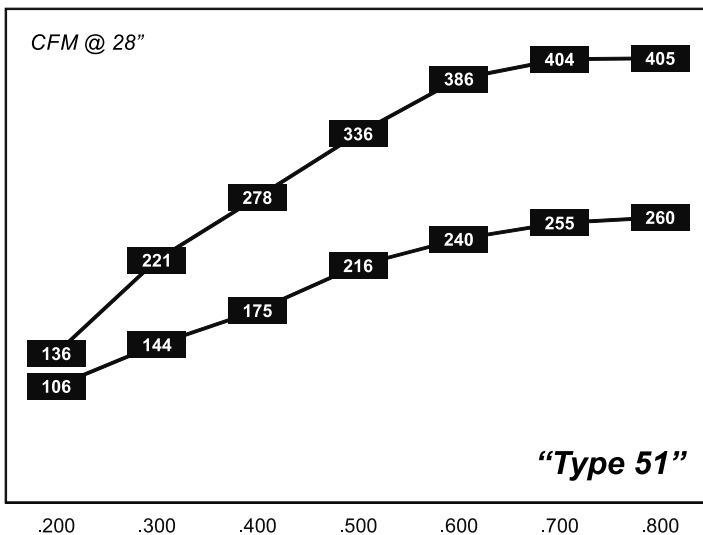
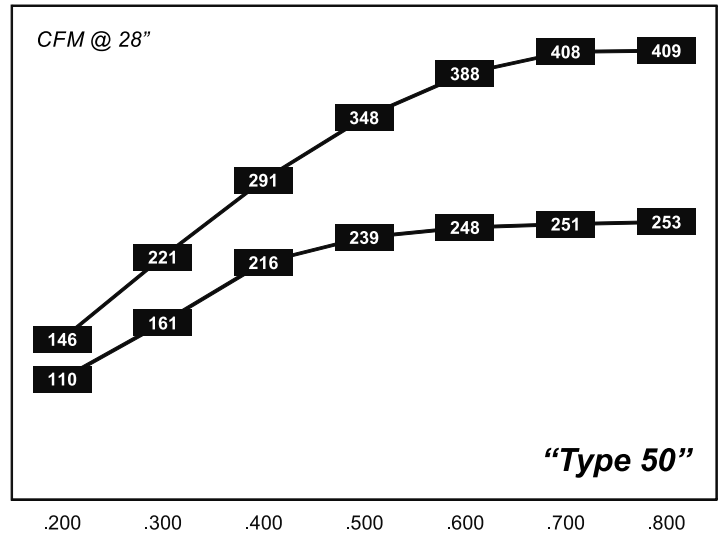
315cc



BRODIX AK 270

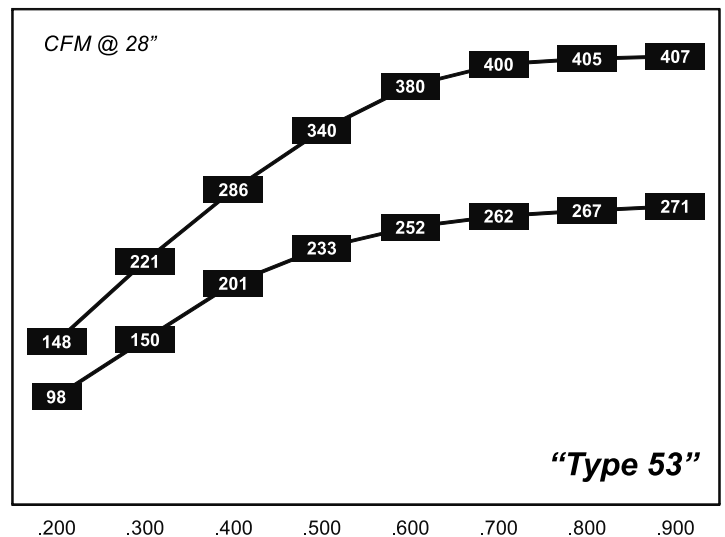
“Type 50”

Intake port opening at gasket **2.12H x 1.505W**
 Distance from floor to deck at gasket **2.245**
 Intake min. cross sectional dim. **2.77 sq. in.**



“Type 51”

Intake port opening at gasket **2.12H x 1.505W**
 Distance from floor to deck at gasket **2.245**
 Intake min. cross sectional dim. **2.81 sq. in.**



“Type 53”

Intake port opening at gasket **2.17H x 1.5W**
 Distance from floor to deck at gasket **2.3**
 Intake min. cross sectional dim. **2.76 sq. in.**

Physical Specifications

Brodix AK270 Castings
 Combustion Chamber Volume **44cc**
 13° Valve Angle

Notations

Lightening and down nozzle options available
 Accepts All Pro “13-3” style piston
 Valve sizing: 2.180 - 2.230 / 1.600 - 1.625
 Also Available in Brodix “78/135” style castings

We are continually working on new port designs. Call for details!

ALLPRO 21-7 (21°)

Physical Specifications

All Pro 21-7 Castings

Intake Runner Volume **279cc**

Combustion Chamber Volume **58cc**

21° Valve Angle

95/135 Valve spacing

Intake Valve 2.150 dia. x 5.950 long
(52° seat)

Exhaust Valve 1.600 dia. x 5.950 long
(55° seat)

5° Intake flange

Intake port opening at gasket **2.09H x 1.44W**

Distance from floor to deck at gasket **2.05**

Intake min. cross sectional dim. **2.65 sq. in.**

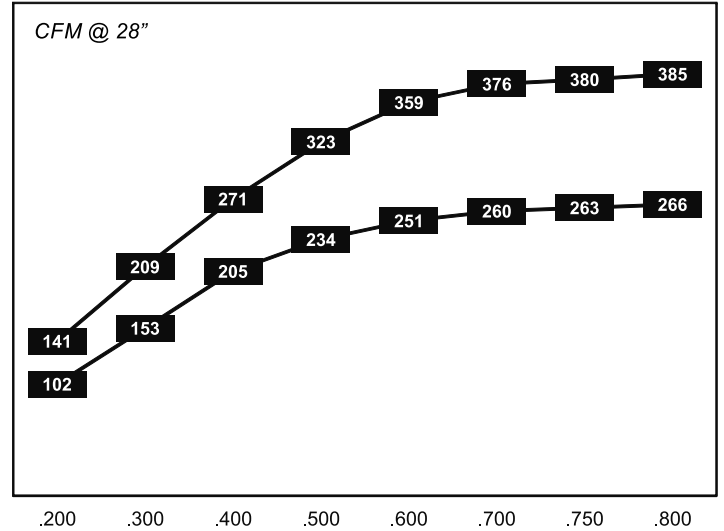
Notations

Spread Port Exhaust

Offset rocker shafts required

Offset lifters required

279cc



ALLPRO 272-22°

Physical Specifications

All Pro 272-22 Castings

Intake Runner Volume **278cc**

Combustion Chamber Volume **68cc**

22° Valve Angle

88/135 Valve spacing

Intake Valve 2.150 dia. x 5.950 length
(52° seat)

Exhaust Valve 1.600 dia. x 5.950 length
(55° seat)

5° Intake flange

Intake port opening at gasket **2.08H x 1.42W**

Distance from floor to deck at gasket **1.98**

Intake min. cross sectional dim. **2.65 sq. in.**

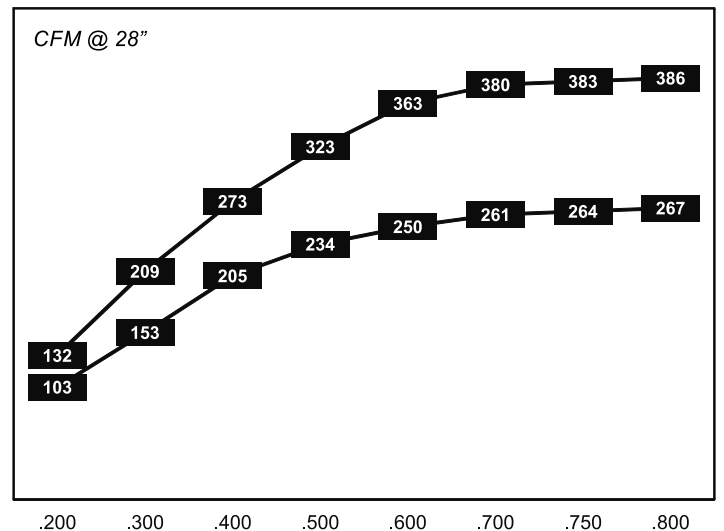
Notations

Spread port exhaust

Offset rocker shafts required

Offset lifters required

278cc



ALLPRO RE 13.5°

Physical Specifications

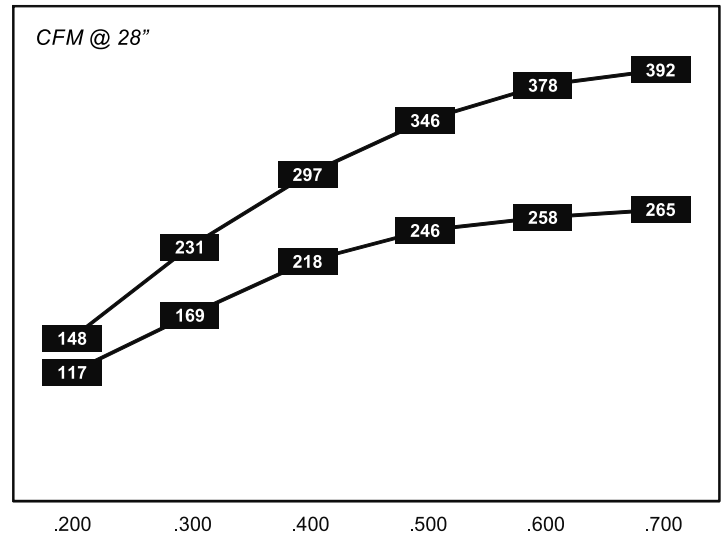
All Pro 13.5-2 Castings

Intake Runner Volume	306cc
Combustion Chamber Volume	49cc
13.5° Valve Angle	
78/135 Valve spacing	
Intake Valve	2.200 dia. x 6.090 length
Serdi #	HP2353-B1 (45° seat)
Exhaust Valve	1.600 dia. x 6.090 length
Serdi #	B1X1 (45° seat)
5° Intake flange	
Intake port opening at gasket	2.14H x 1.5W
Distance from floor to deck at gasket	2.3
Intake min. cross sectional dim.	2.75 sq. in.

Notations

Spread port exhaust	
.725 Offset rocker shafts required	
.180 Offset lifters required	
Exhaust gasket	Cometic C5422

306cc [78/135]



306cc [95/150]

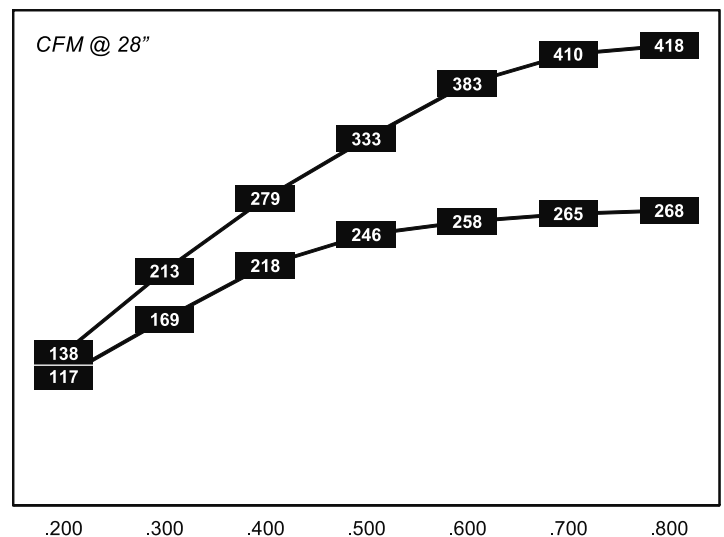
Physical Specifications

All Pro 13.5-3 Castings

Intake Runner Volume	306cc
Combustion Chamber Volume	49cc
13.5° Valve Angle	
95/150 Valve spacing	
Intake Valve	2.230 dia. x 6.090 length
Serdi #	025714 (52° seat)
Exhaust Valve	1.600 dia. x 6.090 length
Serdi #	B1X1 (45° seat)
5° Intake flange	
Intake port opening at gasket	2.14H x 1.5W
Distance from floor to deck at gasket	2.3
Intake min. cross sectional dim.	2.75 sq. in.

Notations

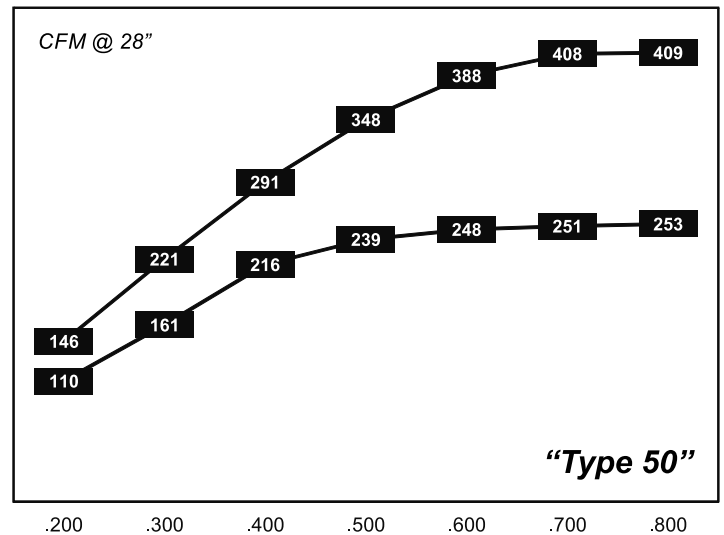
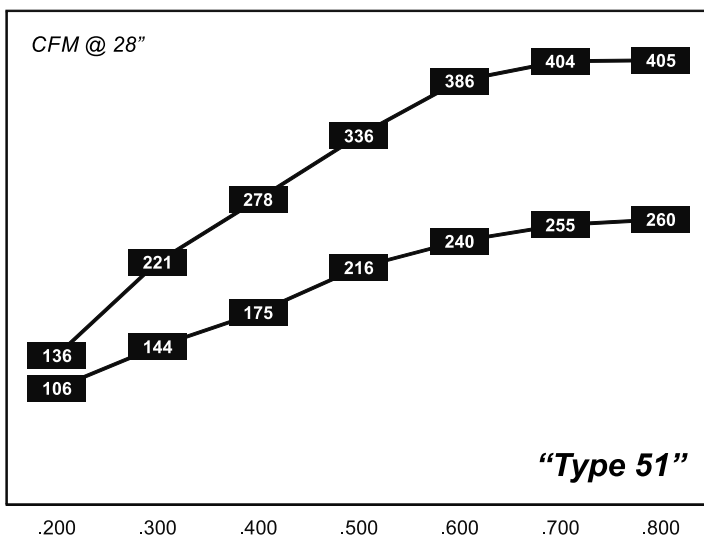
Spread port exhaust	
.725 Offset rocker shafts required	
.180 Offset lifters required	
Exhaust gasket	Cometic C5422



ALLPRO RE 13^o

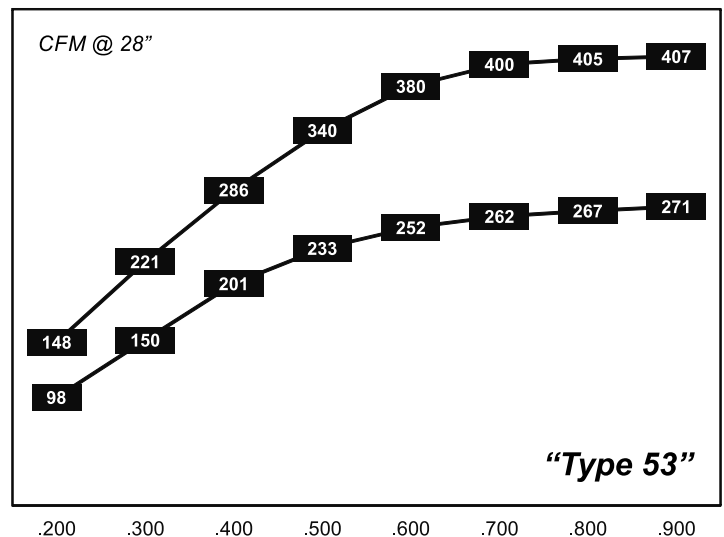
“Type 50”

Intake port opening at gasket **2.12H x 1.505W**
 Distance from floor to deck at gasket **2.245**
 Intake min. cross sectional dim. **2.77 sq. in.**



“Type 51”

Intake port opening at gasket **2.12H x 1.505W**
 Distance from floor to deck at gasket **2.245**
 Intake min. cross sectional dim. **2.81 sq. in.**



“Type 53”

Intake port opening at gasket **2.17H x 1.5W**
 Distance from floor to deck at gasket **2.3**
 Intake min. cross sectional dim. **2.76 sq. in.**

Physical Specifications

AllPro 13-3 Castings
 Combustion Chamber Volume **44cc**
 13° Valve Angle

Notations

Lightening and down nozzle options available
 Accepts All Pro “13-3” style piston
 Valve sizing: 2.180 - 2.230 / 1.600 - 1.625
 Also Available in AllPro “13-2” style castings

We are continually working on new port designs. Call for details!

ALLPRO RE 13-3T

“Type 60”

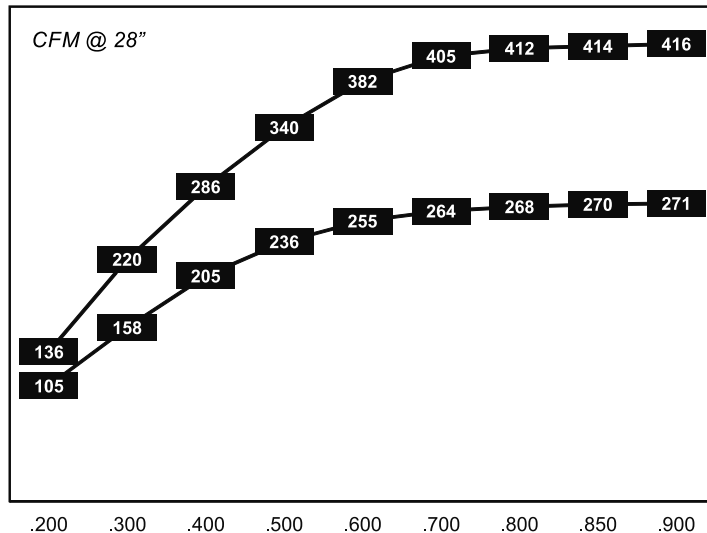
Physical Specifications

All Pro 13-3T Castings

Combustion Chamber Volume	44cc
13° Valve Angle	
95/150 Valve spacing	
Intake port opening at gasket	2.025H x 1.56W
Distance from floor to deck at gasket	2.62
Intake min. cross sectional dim.	2.88 sq. in.

Notations

Lightening and down nozzle options available
Accepts All Pro “13-3” style piston
Valve sizing: 2.180 - 2.230 / 1.600 - 1.625



ALLPRO 10-5

“Type 70”

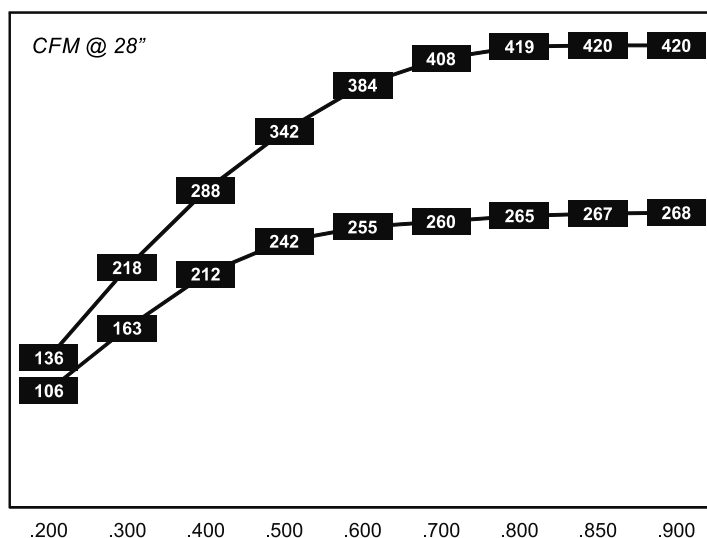
Physical Specifications

All Pro 10-5 Castings

Combustion Chamber Volume	36cc
10° Valve Angle	
95/150 Valve spacing	
Intake port opening at gasket	2.01H x 1.63W
Distance from floor to deck at gasket	2.925
Intake min. cross sectional dim.	2.96 sq. in.

Notations

Lightening and down nozzle options available
Accepts All Pro “10” style piston
Valve sizing: 2.180 - 2.230 / 1.600 - 1.625



BRODIX -12RI 15°

HUT 247/262

Physical Specifications

Brodix -12P Castings

Intake Runner Volume **247cc or 262cc**

Combustion Chamber Volume **60cc**

15° Valve Angle

Exhaust Valve

1.600 dia. x **5.440** length

Serdi #

H1X1 (45° seat)

10° Intake flange

Notations

.450 Offset rocker shafts required

.180 Offset lifters required

Intake gasket

FP 1263

Exhaust gasket

MG 52464

Manifold

MS 89

247cc

40/60 Valve spacing

Intake Runner Volume **247cc**

Intake Valve

2.125 dia. x **5.440** length

Serdi #

2TN-B1 (45° seat)

Intake port opening at gasket **2.2H x 1.33W**

Distance from floor to deck at gasket **1.175**

Intake min. cross sectional dim. **2.512 sq. in.**

262cc

40/60 Valve spacing

Intake Runner Volume **262cc**

Intake Valve

2.125 dia. x **5.440** length

Serdi #

2TN-B1 (45° seat)

Intake port opening at gasket **2.23H x 1.37W**

Distance from floor to deck at gasket **1.17**

Intake min. cross sectional dim. **2.775 sq. in.**

262cc (58/107)

58/107 Valve spacing

Intake Runner Volume **262cc**

Intake Valve

2.170 dia. x **5.440** length

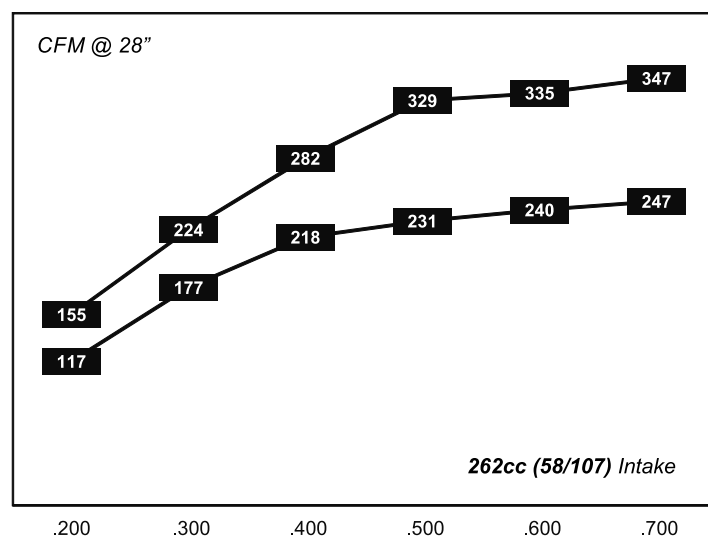
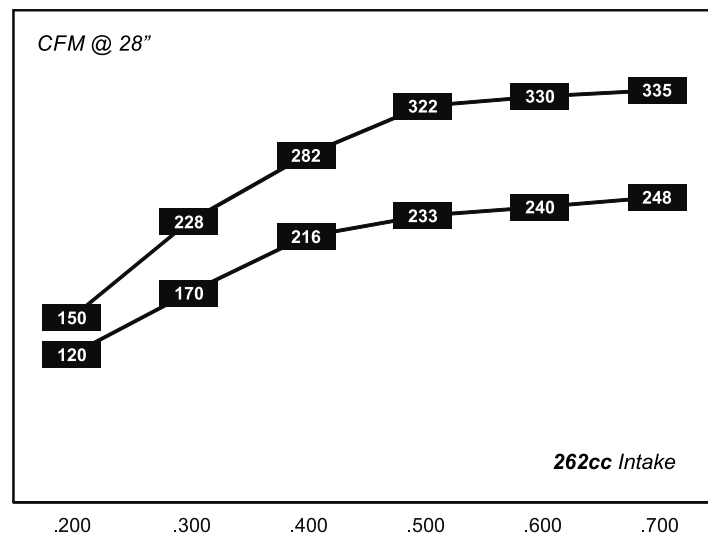
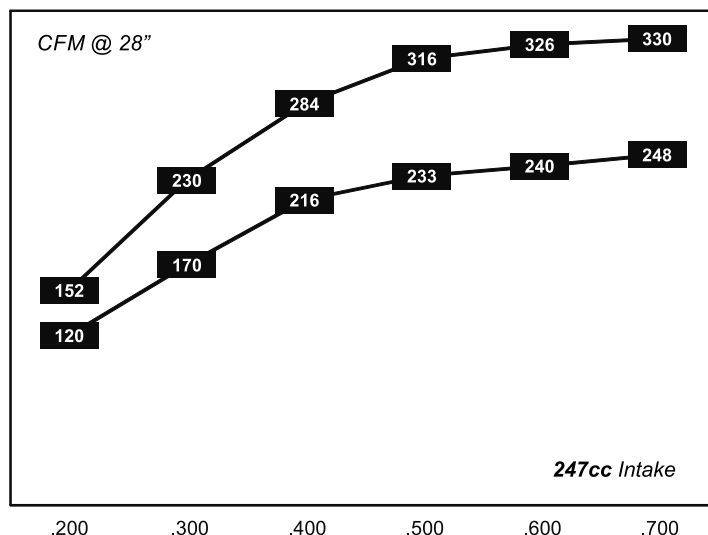
Serdi #

2TN-85° (45° seat)

Intake port opening at gasket **2.23H x 1.37W**

Distance from floor to deck at gasket **1.17**

Intake min. cross sectional dim. **2.775 sq. in.**



BRODIX - 12B 15°

HVH 287

Physical Specifications

Brodix - 12B Castings

Intake Runner Volume **287cc**

Combustion Chamber Volume **61cc**

15° Valve Angle

40/60 Valve spacing

Intake Valve 2.150 dia. x 5.440 length

Serdi # S1036 (45° seat)

Exhaust Valve 1.600 dia. x 5.440 length

Serdi # H1X1 (45° seat)

10° Intake flange

Intake port opening at gasket **2.415H x 1.425W**

Distance from floor to deck at gasket **.725**

Intake min. cross sectional dim. **2.904 sq. in.**

Notations

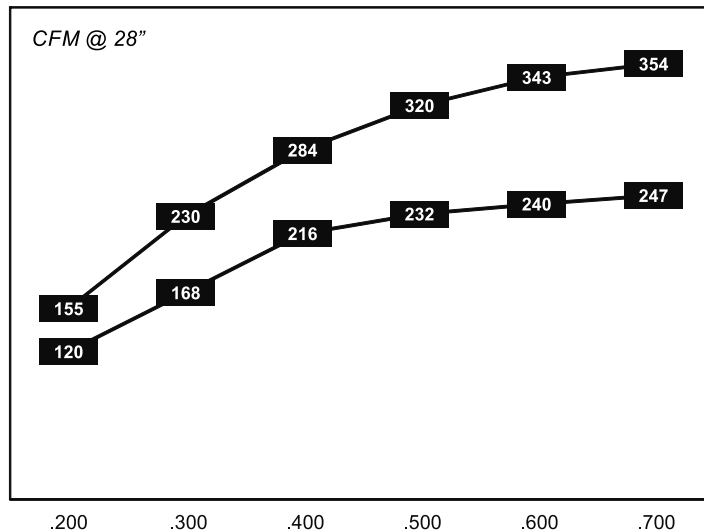
.450 Offset rocker shafts required

.180 Offset lifters required

Intake gasket FP 1209

Exhaust gasket MG 52464

Manifold HV1200/HV1201



BRODIX - 12RVR 15°

285cc

Physical Specifications

Brodix - 12RVR Castings

Intake Runner Volume **285cc**

Combustion Chamber Volume **58cc**

15° Valve Angle

70/125 Valve spacing

Intake Valve 2.180 dia. x 5.440 length

(45° seat)

Exhaust Valve 1.600 dia. x 5.440 length

(45° seat)

10° Intake flange

Intake port opening at gasket **2.275H x 1.4W**

Distance from floor to deck at gasket **1.25**

Intake min. cross sectional dim. **2.87 sq. in.**

Notations

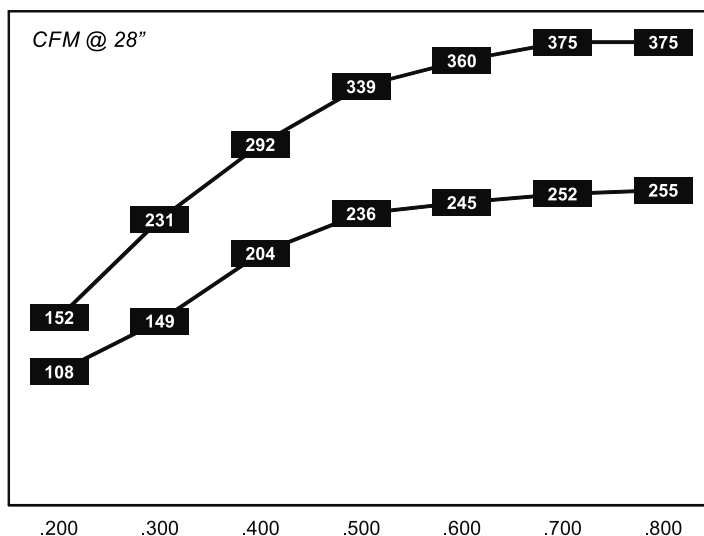
Offset rocker shafts required

.180 Offset lifters required

Intake gasket FP 1263

Exhaust gasket MG 52464

*2" springs require 5.540 long valves



BRODIX -1 BB RP

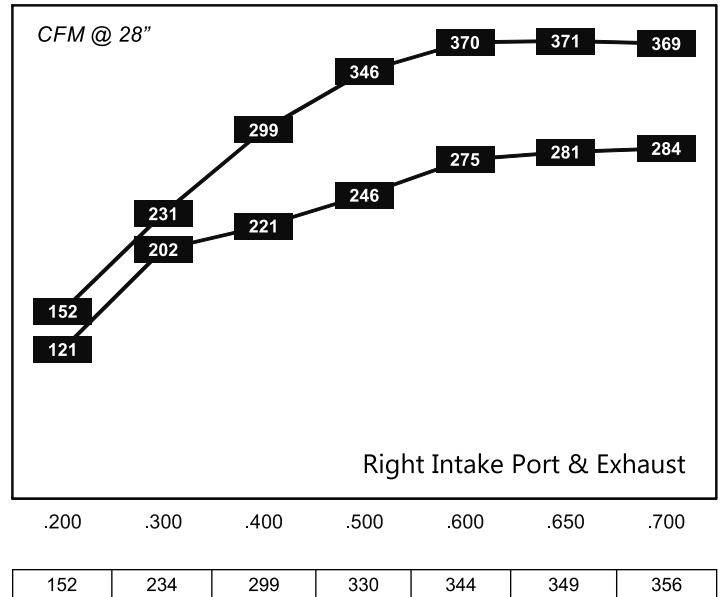
HUT 300/310

Physical Specifications

Custom Brodix -1 BB RP Castings	
L. Intake Runner Volume	300cc
R. Intake Runner Volume	310cc
Combustion Chamber Volume	118cc
Intake Valve Angle 25.3° x 4°	
Intake Valve	2.250 dia. x .300 long*
Serdi #	HP2353-B1 (45° seat)
Exhaust Valve Angle 16.3° x 4°	
Exhaust Valve	1.880 dia. x Standard length*
Serdi #	H1X1 (45° seat)
Intake port opening at gasket	2.32H x 1.78W
Distance from floor to deck at gasket	.71
R. Intake min. cross sectional dim.	2.9 sq. in.
L. Intake min. cross sectional dim.	3.03 sq. in.

Notations

Angle machined 0-100	
Rocker systems available from JESEL and T&D	
Intake gasket	FP 1275
Exhaust gasket	FP 1411



* 2.050 installed height w/ Super7 retainers & +.050" locks
 ** 2" springs require .300 long valves

DART PRO 1 BB

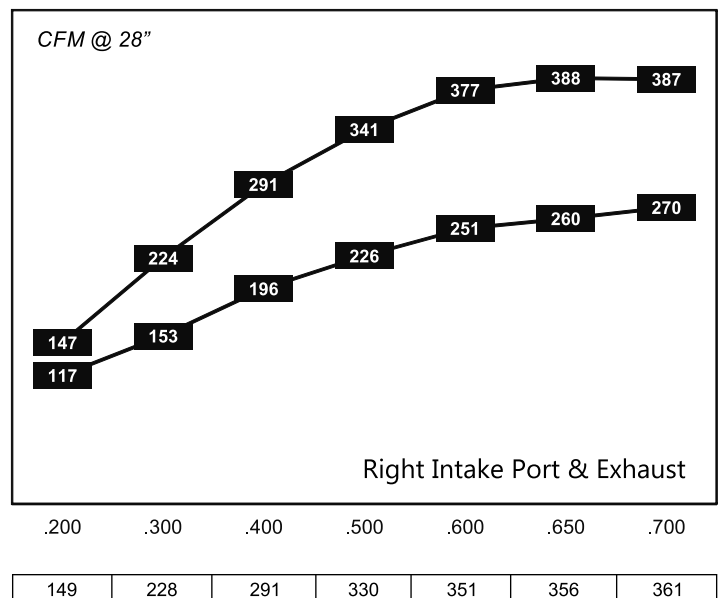
HUT 311/310

Physical Specifications

Custom Dart Pro 1 BBC Castings	
L. Intake Runner Volume	311cc
R. Intake Runner Volume	310cc
Combustion Chamber Volume	116cc
Intake Valve Angle 24°(rolled 2°) x 4°	
Intake Valve	2.300 dia. x 5.494 length
Serdi #	HP2353-B1 (45° seat)
Exhaust Valve Angle 15°(rolled 2°) x 4°	
Exhaust Valve	1.880 dia. x 5.422 length
Serdi #	B1X1 (45° seat)
Intake port opening at gasket	2.33H x 1.77W
Distance from floor to deck at gasket	.7
L. Intake min. cross sectional dim.	3.17 sq. in.
R. Intake min. cross sectional dim.	3.19 sq. in.

Notations

Standard valve train components	
Stud girdle:	Dart Machinery Part #64110001



BRODIX - 1 BB OVAL RP

Physical Specifications

Custom Brodix -1 BB OVAL RP Castings

L. Intake Runner Volume **293cc**
 R. Intake Runner Volume **303cc**
 Combustion Chamber Volume **109cc**
 Intake Valve Angle 24.6° x 4°

Intake Valve **2.300** dia. x **.300** long
 Serdi # L. 3516 / R. 3515 (45° seat)

Exhaust Valve Angle 15.6° x 4°

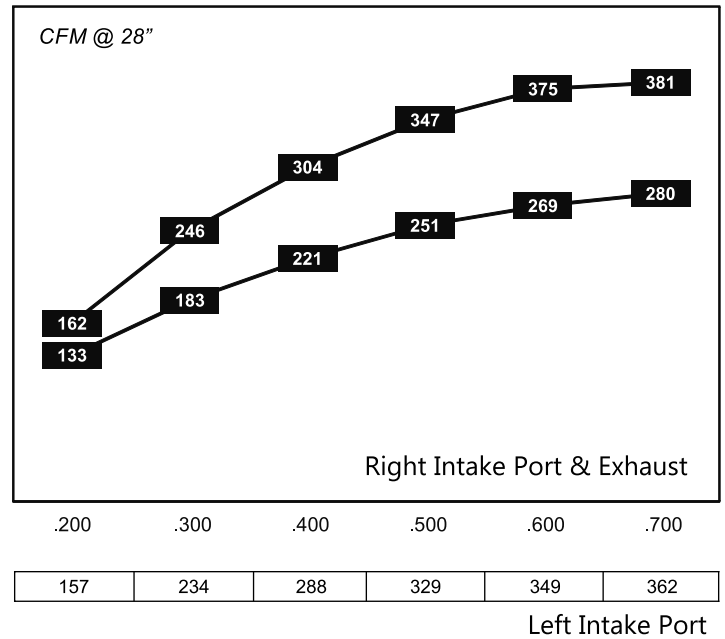
Exhaust Valve **1.880** dia. x Standard length
 Serdi # 3517 (45° seat)

Intake port opening at gasket **2.08H x 1.875W**
 Distance from floor to deck at gasket **1.**
 L. Intake min. cross sectional dim. **2.8 sq. in.**
 R. Intake min. cross sectional dim. **2.89 sq. in.**

Notations

Rocker systems available from T&D or JESEL(188 Bar)
 Accepts HV 2018 Intake Manifold
 Intake gasket Cometic IR424060KF
 Exhaust gasket FP 1411

GEN 293/303



DART 18° BB

Physical Specifications

Dart 18° BB Castings

L. Intake Runner Volume **307cc**
 R. Intake Runner Volume **301cc**
 Combustion Chamber Volume **93cc**
 Intake Valve Angle 18° x 4°

Intake Valve **2.250** dia. x **5.770** length
 Serdi # 2TN-B1 (45° seat)

Exhaust Valve Angle 9° x 4°

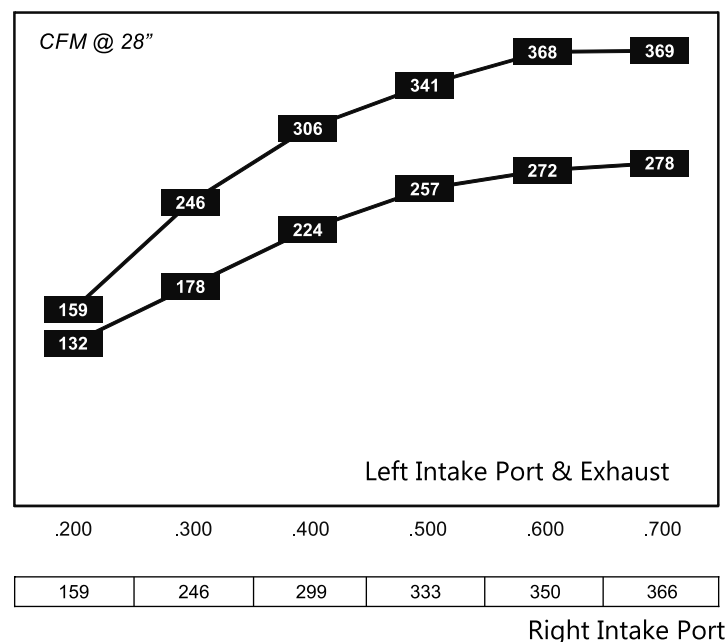
Exhaust Valve **1.880** dia. x **5.522** length
 Serdi # 3517 (45° seat)

Intake port opening at gasket **2.14H x 1.92W**
 Distance from floor to deck at gasket **1.06**
 L. Intake min. cross sectional dim. **2.87 sq. in.**
 R. Intake min. cross sectional dim. **2.8 sq. in.**

Notations

Standard valve train components
 Accepts HV 2018 Intake Manifold

GEN 307/301



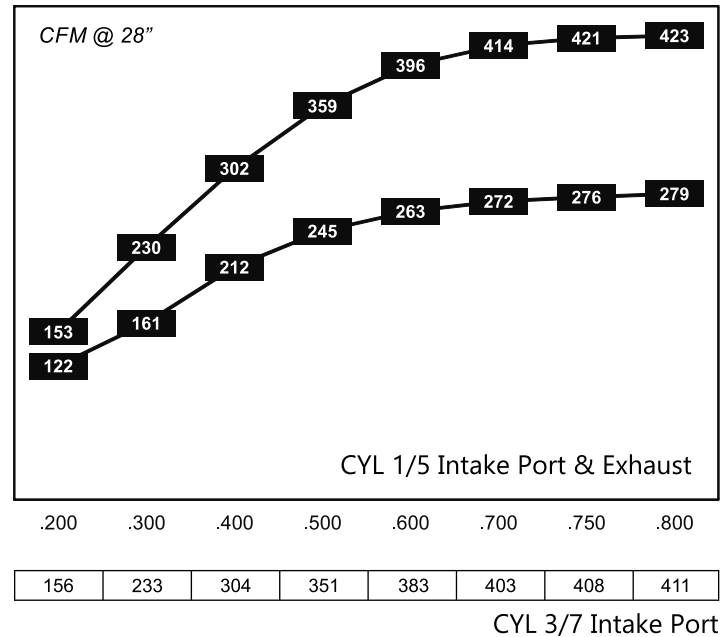
BRODIX SR 20 NE BB Mod

343/338

Physical Specifications

Custom Brodix SR 20 BB Castings

CYL 1/5 Intake Runner Volume	343cc
CYL 3/7 Intake Runner Volume	338cc
Combustion Chamber Volume	85cc
Intake Valve Angle 20° x 4°	
Intake Valve	2.250 dia.
Exhaust Valve Angle 13° x 4°	
Exhaust Valve	1.850 dia.
Intake port opening at gasket	2.0H x 1.95W
Distance from floor to deck at gasket	1.6
CYL 1/5 Intake min. cross sectional dim.	2.82 sq. in.
CYL 3/7 Intake min. cross sectional dim.	2.73 sq. in.



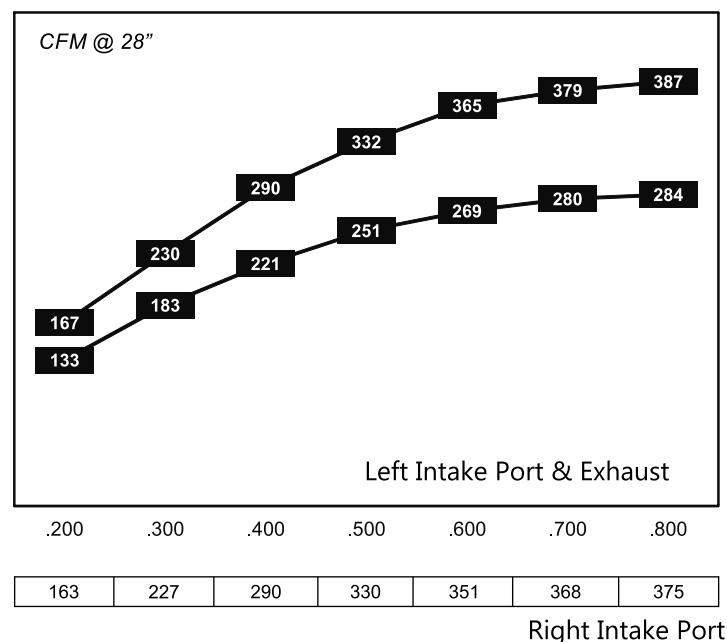
BRODIX-2BB SUPER MOD

GEN 336/338

Physical Specifications

Custom Brodix -2 BB Castings

L. Intake Runner Volume	336cc
R. Intake Runner Volume	338cc
Combustion Chamber Volume	109cc
Intake Valve Angle 24.6° x 4°	
Intake Valve	2.300 dia. x .100 long
Serdi #	2TN-B1 (45° seat)
Exhaust Valve Angle 15.6° x 4°	
Exhaust Valve	1.880 dia. x Standard length
Serdi #	B1X1 (45° seat)
Intake port opening at gasket	2.49H x 1.76W
Distance from floor to deck at gasket	.45
L. Intake min. cross sectional dim.	3.49 sq. in.
R. Intake min. cross sectional dim.	3.53 sq. in.



BRODIX SR 20

Physical Specifications

Brodix SR 20 BBC Castings

Intake Runner Volume **435cc**

Combustion Chamber Volume **93cc**

Intake Valve Angle 20° x 4°

Intake Valve **2.400** dia. x **6.040** length
(50° seat)

Exhaust Valve Angle 13° x 4°

Exhaust Valve **1.800** dia. x **5.930** length
(55° seat)

Intake port opening at gasket **2.525H x 1.82W**

Distance from floor to deck at gasket **1.1**

Intake min. cross sectional dim. **3.83 sq. in.**

Notations

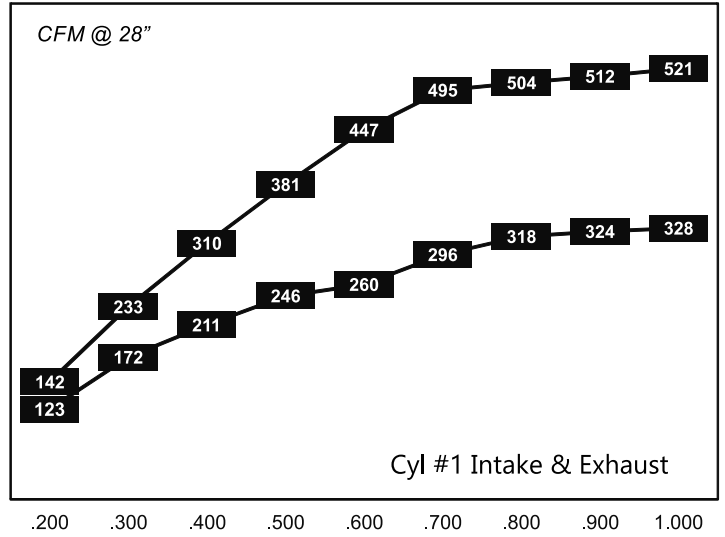
Rocker arms: JESEL(KPS 441184) or T&D(3142)

Intake manifold: BM 2020 STD / BM 2021 Tall Deck

Intake gasket Brodix MG 2021

Exhaust gasket FP 1412

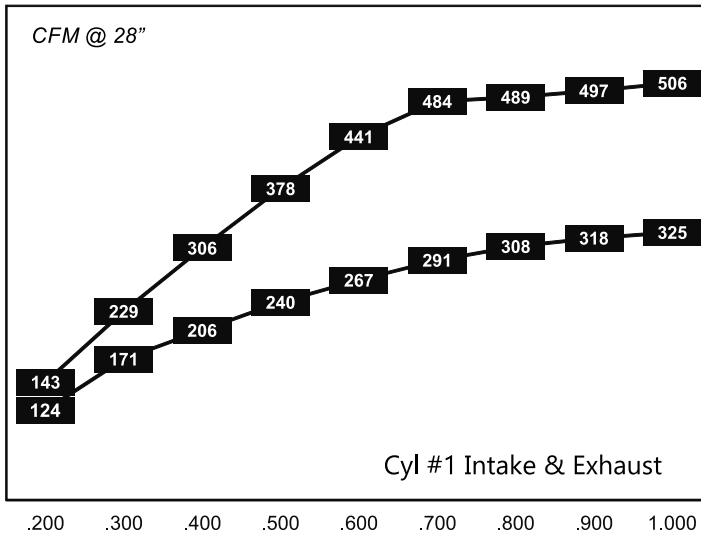
Test performed on SuperFlow 600



144	233	312	381	441	481	495	502	504
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Cyl #3 Intake

Test performed on SuperFlow 1020



146	231	310	379	432	467	485	488	491
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Cyl #3 Intake

BRODIX 18RI SP5

Physical Specifications

Brodix 18 RI SP 5 Castings

18° Valve Angle
 Raised intake runners
 58/107 Valve spacing (*same as GM heads*)

Exhaust Valve 1.625 dia. x 5.550 length
 Serdi # S1033 (45° seat)

Notations

Pushrods cleared for .550 offset rocker shafts
 Also available in standard exhaust

HUT 921A

Intake Runner Volume **246cc**
 Combustion Chamber Volume **53cc**
Intake Valve 2.150 dia. x 5.550 length
 Serdi # H1.1N1 (45° seat)
 Intake port opening at gasket **2.16H x 1.3W**
 Distance from floor to deck at gasket **1.2**
 Intake min. cross sectional dim. **2.637 sq. in.**

HUT 921.1A

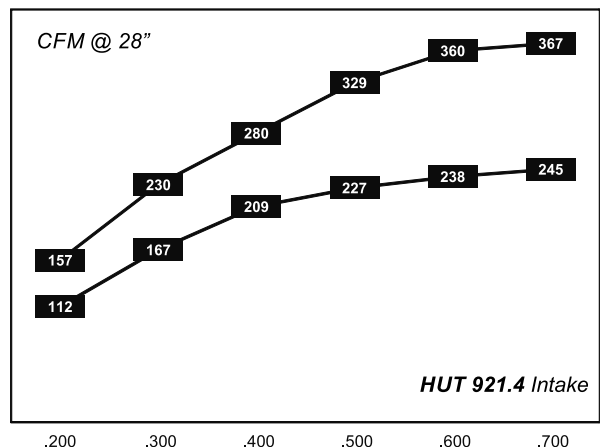
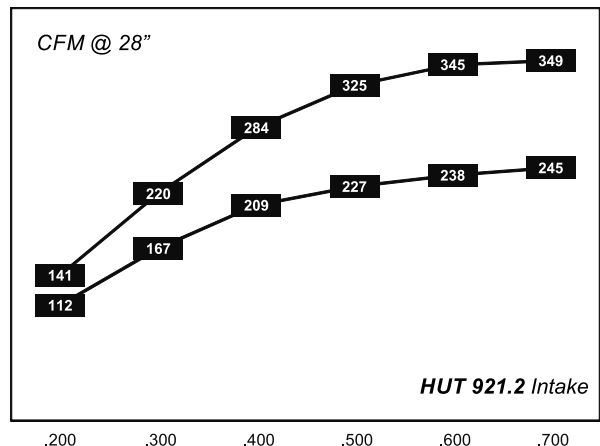
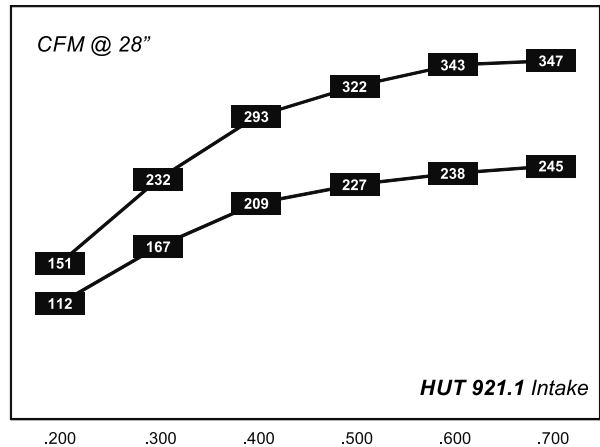
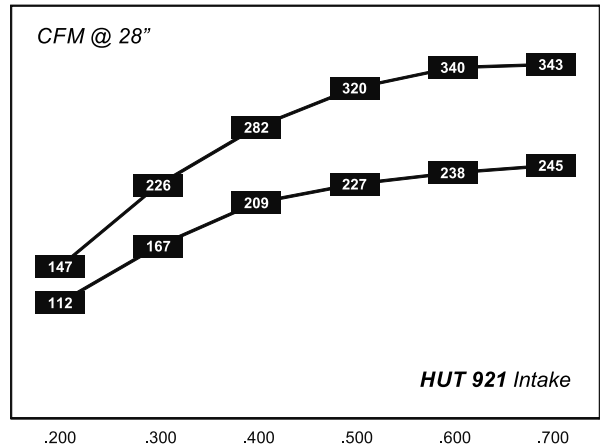
Intake Runner Volume **249cc**
 Combustion Chamber Volume **53cc**
Intake Valve 2.150 dia. x 5.550 length
 Serdi # H1.1N1 (45° seat)
 Intake port opening at gasket **2.15H x 1.3W**
 Distance from floor to deck at gasket **1.2**
 Intake min. cross sectional dim. **2.519 sq. in.**

HUT 921.2A

Intake Runner Volume **254cc**
 Combustion Chamber Volume **53cc**
Intake Valve 2.150 dia. x 5.550 length
 Serdi # H1.1N1 (45° seat)
 Intake port opening at gasket **2.16H x 1.32W**
 Distance from floor to deck at gasket **1.2**
 Intake min. cross sectional dim. **2.642 sq. in.**

HUT 921.4A

Intake Runner Volume **254cc**
 Combustion Chamber Volume **53cc**
Intake Valve 2.180 dia. x 5.550 length
 Serdi # HP2353-B1 (45° seat)
 Intake port opening at gasket **2.1H x 1.295W**
 Distance from floor to deck at gasket **1.265**
 Intake min. cross sectional dim. **2.58 sq. in.**



BRODIX 18RI SP5

Physical Specifications

Brodix 18 RI SP 5 Castings

18° Valve Angle
 Raised intake runners
 58/107 Valve spacing (*same as GM heads*)

Exhaust Valve 1.625 dia. x 5.550 length
 Serdi # S1033 (45° seat)

Notations

Pushrods cleared for .550 offset rocker shafts
 Also available in standard exhaust

HUT 1A

Intake Runner Volume **248cc**
 Combustion Chamber Volume **53cc**
Intake Valve 2.150 dia. x 5.550 length
 Serdi # H1N1 (45° seat)
 Intake port opening at gasket **2.2H x 1.345W**
 Distance from floor to deck at gasket **1.15**
 Intake min. cross sectional dim. **2.751 sq. in.**

HUT 1.1A

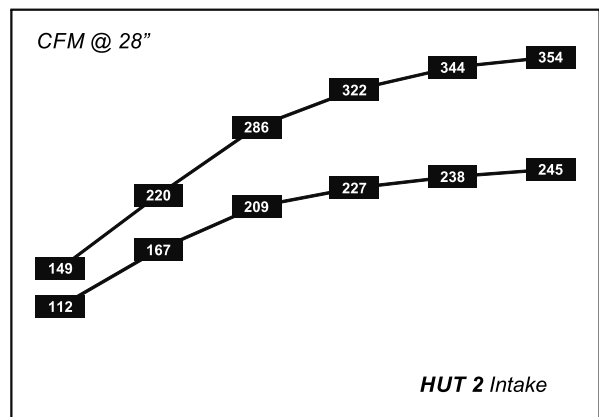
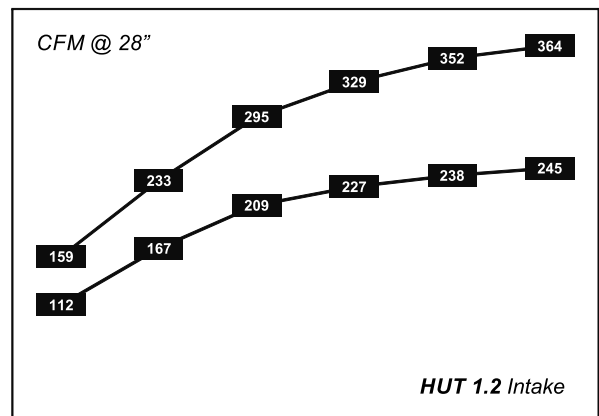
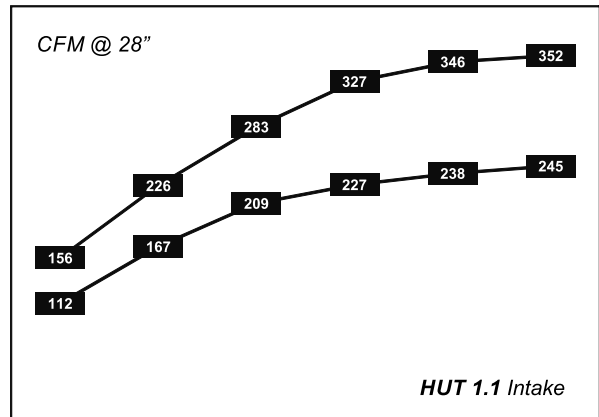
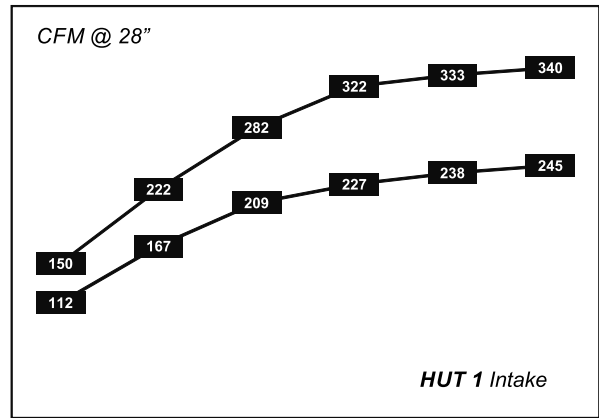
Intake Runner Volume **256cc**
 Combustion Chamber Volume **53cc**
Intake Valve 2.180 dia. x 5.550 length
 Serdi # H1.1N1 (45° seat)
 Intake port opening at gasket **2.2H x 1.345W**
 Distance from floor to deck at gasket **1.15**
 Intake min. cross sectional dim. **2.751 sq. in.**

HUT 1.2A

Intake Runner Volume **270cc**
 Combustion Chamber Volume **53cc**
Intake Valve 2.180 dia. x 5.550 length
 Serdi # H1.1N1 (45° seat)
 Intake port opening at gasket **2.25H x 1.385W**
 Distance from floor to deck at gasket **1.14**
 Intake min. cross sectional dim. **2.885 sq. in.**

HUT 2A

Intake Runner Volume **264cc**
 Combustion Chamber Volume **53cc**
Intake Valve 2.180 dia. x 5.550 length
 Serdi # H1.1N1 (45° seat)
 Intake port opening at gasket **2.2H x 1.36W**
 Distance from floor to deck at gasket **1.15**
 Intake min. cross sectional dim. **2.776 sq. in.**



BRODIX 18RI AP

AP 231

Physical Specifications

Brodix -18 AP Castings

Intake Runner Volume **231cc**

Combustion Chamber Volume **57cc**

18° Valve Angle

58/107 Valve spacing (*same center lines as GM heads*)

Intake Valve **2.150** dia. x **5.750** length

Sunnen # A95961 (45° seat)

Exhaust Valve **1.625** dia. x **5.750** length

Sunnen # A18142 (45° seat)

5° Intake flange (*with GM bolt pattern*)

Intake port opening at gasket **2.08H x 1.32W**

Distance from floor to deck at gasket **1.28**

Intake min. cross sectional dim. **2.61 sq. in.**

Notations

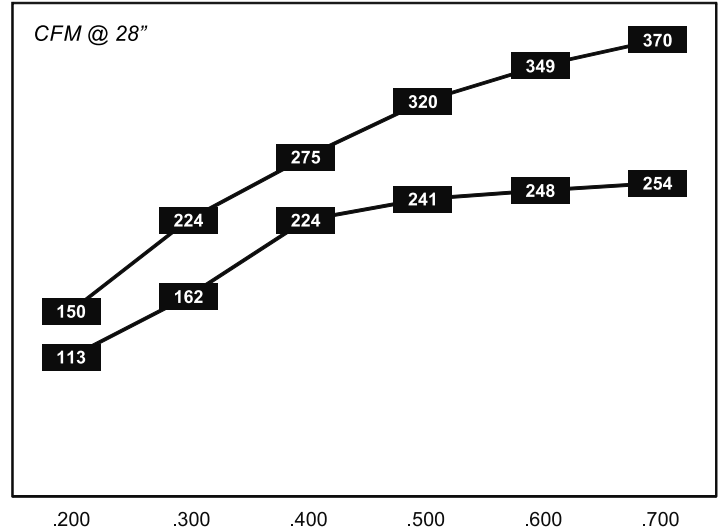
.750 Offset rocker shafts required (T&D 2238)

.180 Offset lifters required

Intake gasket Modified Fel-Pro 1282

Exhaust gasket Spread Port: MG 52464

Available in standard or spread port exhaust



AP 266

Physical Specifications

Brodix -18 AP Castings

Intake Runner Volume **266cc**

Combustion Chamber Volume **57cc**

18° Valve Angle

58/107 Valve spacing (*same center lines as GM heads*)

Intake Valve **2.180** dia. x **5.750** length

Serdi # HP2977-B1 (52° seat)

Exhaust Valve **1.625** dia. x **5.750** length

Sunnen # A18142 (45° seat)

5° Intake flange (*with GM bolt pattern*)

Intake port opening at gasket **2.18H x 1.35W**

Distance from floor to deck at gasket **1.29**

Intake min. cross sectional dim. **2.72 sq. in.**

Notations

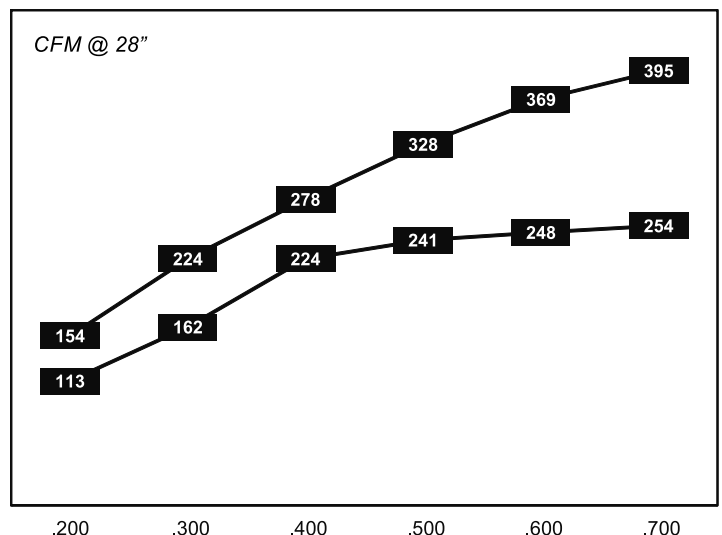
.750 Offset rocker shafts required (T&D 2238)

.180 Offset lifters required

Intake gasket Modified Fel-Pro 1282

Exhaust gasket Spread Port: MG 52464

Available in standard or spread port exhaust



MOPAR W9 - 15°

Physical Specifications

Mopar W9 15° Castings

Intake Runner Volume **274cc**
 Combustion Chamber Volume **60cc**
 15° Valve Angle

Intake Valve 2.180 dia. x 5.640 length
 Serdi # 025205 (50° seat)

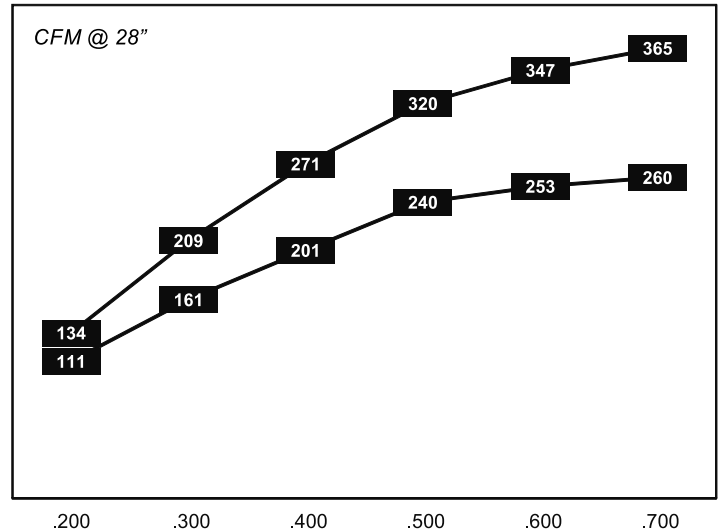
Exhaust Valve 1.625 dia. x 5.540 length
 Serdi # 025206 (55° seat)

Intake port opening at gasket **2.14H x 1.4W**
 Distance from floor to deck at gasket **1.5**
 Intake min. cross sectional dim. **2.76 sq. in.**

Notations

.575 Offset rocker shafts required
 .180 Offset lifters required
 Midget applications: *Offset lifters not required*

HUT 274



MOPAR W9RP - 13°

Physical Specifications

Mopar W9 RP 13° Castings

Intake Runner Volume **300cc**
 Combustion Chamber Volume **48cc**
 13° Valve Angle

Intake Valve 2.200 dia. x 6.090 length
 Serdi # HP2353-B1 (45° seat)

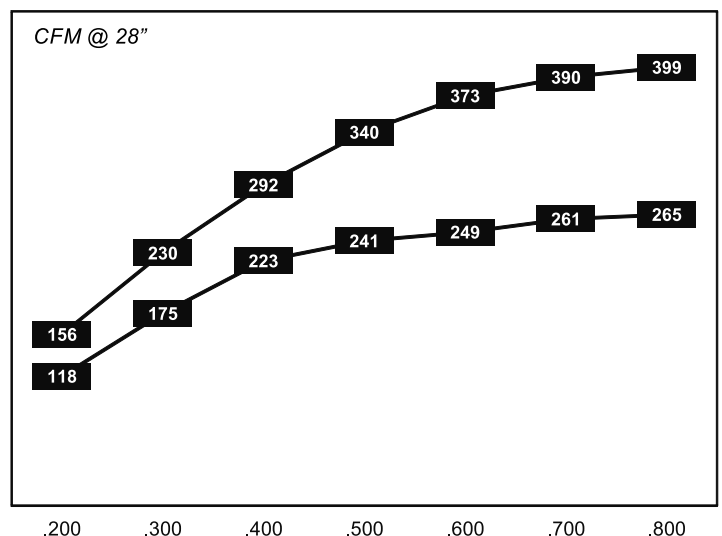
Exhaust Valve 1.600 dia. x 6.090 length
 Serdi # B1X1 (45° seat)

90° Intake flange
 Intake port opening at gasket **2.155H x 1.5W**
 Distance from floor to deck at gasket **2.295**
 Intake min. cross sectional dim. **2.79 sq. in.**

Notations

.700 Offset rocker shafts required
 .180 Offset lifters required
 Intake Gasket Cometic IR350SP2018

300cc



GM/CHEVY SB2.2

Physical Specifications

1 Way SB2.2 Castings

Intake Runner Volume **287cc**

Combustion Chamber Volume **48cc**

Intake Valve Angle 11° x 4°

Intake Valve 2.170 dia. x 5.640 length

Serdi # HP2849-B1 (50° seat)

Exhaust Valve Angle 8°

Exhaust Valve 1.625 dia. x 5.540 length

Serdi # HP2684-B1 (55° seat)

90° Intake flange

Intake port opening at gasket **2.15H x 1.51W**

Distance from floor to deck at gasket **1.925**

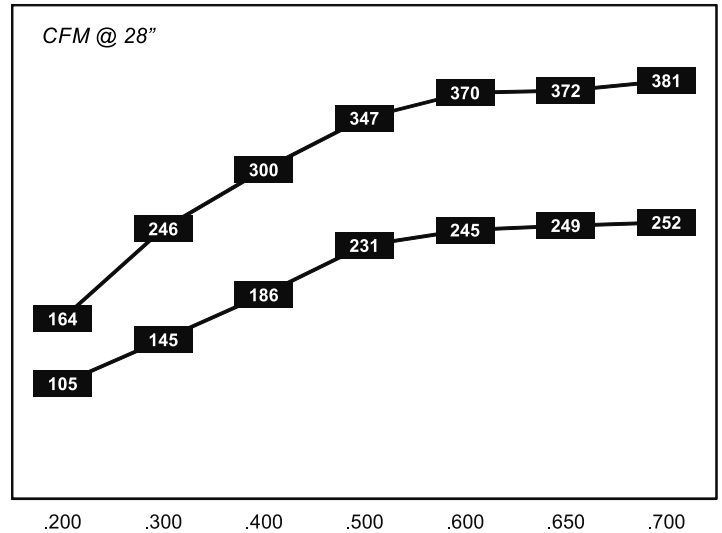
Intake min. cross sectional dim. **2.81 sq. in.**

Notations

Deck milled .055"

Pushrods clearanced for the most commonly used rocker systems.

GPTECH 1



GM/CHEVY SB2.2

Physical Specifications

1 Way SB2.2 Castings

Intake Runner Volume **286cc**

Combustion Chamber Volume **51cc**

Intake Valve Angle 11° x 4°

Intake Valve 2.170 dia. x 5.840 length

Serdi # HP2849-B1 (50° seat)

Exhaust Valve Angle 8°

Exhaust Valve 1.625 dia. x 5.640 length

Serdi # HP2684-B1 (55° seat)

90° Intake flange

Intake port opening at gasket **2.16H x 1.52W**

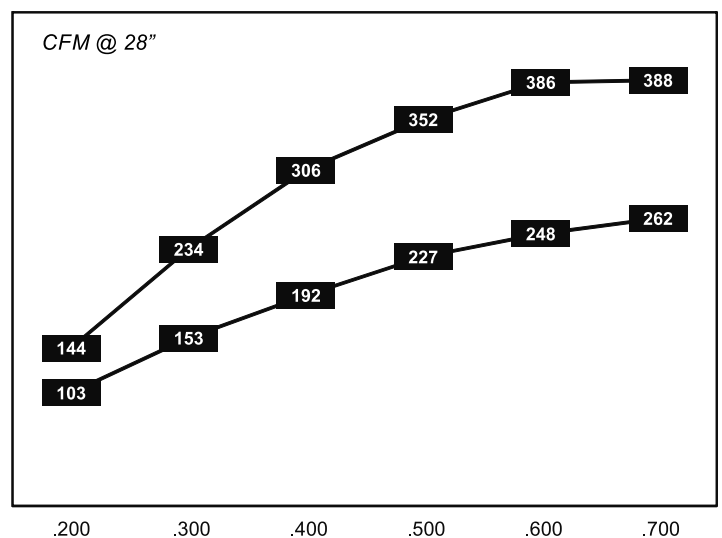
Distance from floor to deck at gasket **1.97**

Intake min. cross sectional dim. **2.81 sq. in.**

Notations

Pushrods clearanced for the most commonly used rocker systems.

GPTECH 1.1



GM/CHEVY ROX Design

Physical Specifications

1 Way ROX Castings

Intake Runner Volume **288cc**

Combustion Chamber Volume **50cc**

Intake Valve Angle 11° x 4°

Intake Valve 2.180 dia. x 5.970 length
(50° seat)

Exhaust Valve Angle 7° x 2°

Exhaust Valve 1.600 dia. x 5.820 length
(55° seat)

Intake port opening at gasket **2.0H x 1.6W**

Distance from floor to deck at gasket **2.275**

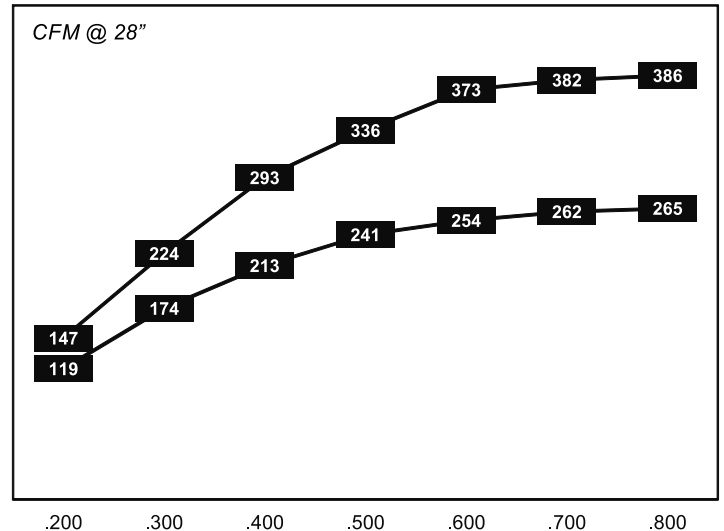
Intake min. cross sectional dim. **2.83 sq. in.**

Notations

4.500 Bore centerline

Valve lengths are for an installed height of 2.050"

VHR 1



PROFILER 221 BBF

Physical Specifications

ProFiler 221 BBF Castings

Intake Runner Volume **442cc**

Combustion Chamber Volume **61cc**

Valve Angle: Standard Stock C Style

Intake Valve 2.475 dia. x 6.600 length*
(55° seat)

Exhaust Valve 1.850 dia. x 6.500 length*
(55° seat)

90° Intake flange

Intake port opening at gasket **2.7H x 2.035W**

Distance from floor to deck at gasket **2.27**

Intake min. cross sectional dim. **4.72 sq. in.**

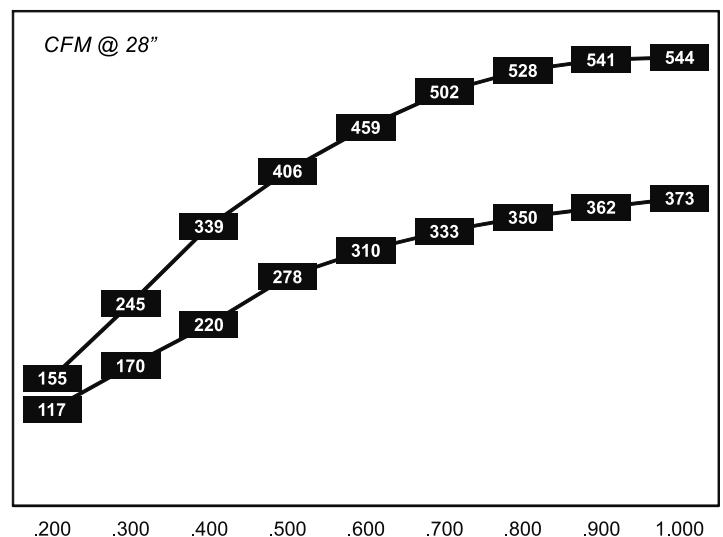
Notations

4.900 Bore centerline

Suitable for Nitrous & Blown Applications

Offset rocker shafts required (Jesel or T&D)

442cc



*2.100" Installed spring height

BRODIX FF 13° LM

Physical Specifications

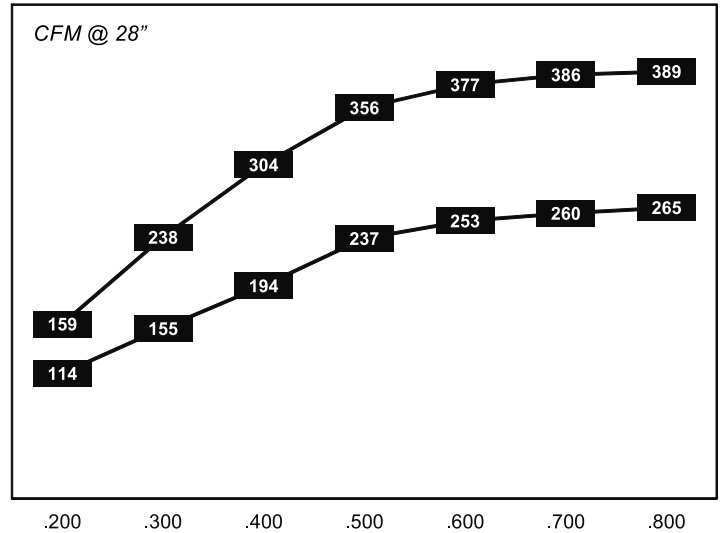
Brodix FF 13 STD CNC Castings

Intake Runner Volume	290cc
Combustion Chamber Volume	49cc
13° Valve Angle	
88/184 Valve spacing	
Intake Valve	2.200 dia. x .700 long
Serdi #	HP2353-B1 (45° seat)
Exhaust Valve	1.600 dia. x .700 long
Serdi #	029695 (45° seat)
5° Intake flange	
Intake port opening at gasket	2.23H x 1.4W
Distance from floor to deck at gasket	1.675
Intake min. cross sectional dim.	2.7 sq. in.

Notations

- 4.500 Bore centerline
- Combustion chambers machined for 4.250 bore
- Offset rocker shafts required
- Offset lifters required

290cc



ALLPRO 10° / BRODIX 10° LM

Physical Specifications

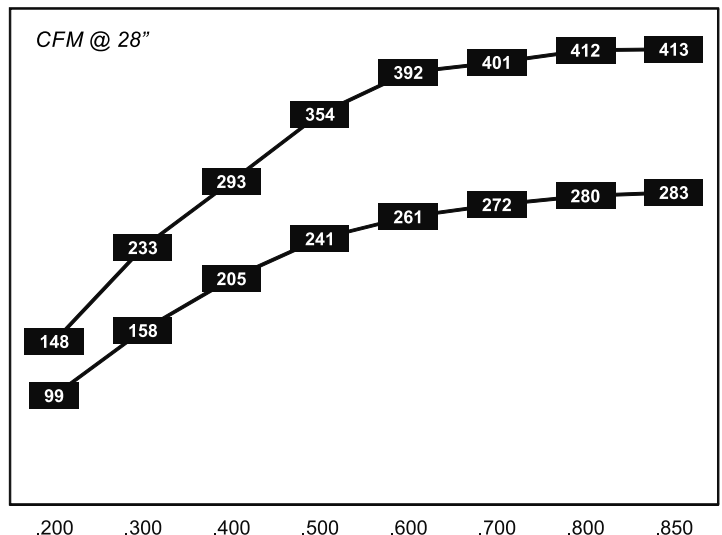
All Pro 10° / Brodix FF 10 STD CNC Castings

Intake Runner Volume	310cc
Combustion Chamber Volume	45cc
10° Valve Angle	
110/184 Valve spacing	
Intake Valve	2.230 dia. x 5.950 length
	(52° seat)
Exhaust Valve	1.625 dia. x 5.950 length
	(55° seat)
5° Intake flange	
Intake port opening at gasket	2.27H x 1.46W
Distance from floor to deck at gasket	2.125
Intake min. cross sectional dim.	2.83 sq. in.

Notations

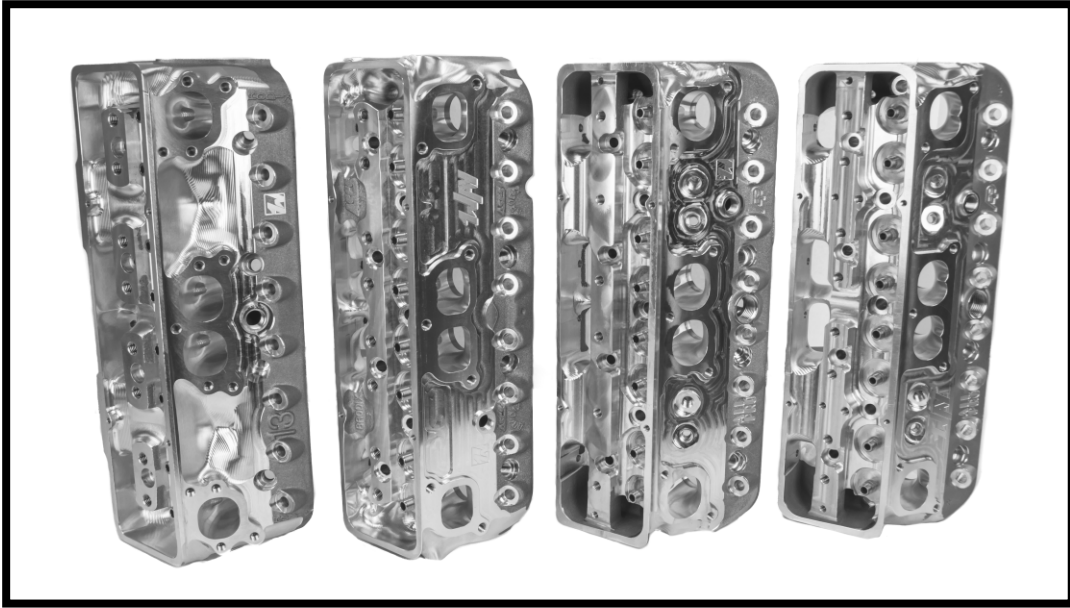
- 4.500 Bore centerline
- Combustion chambers machined for 4.250 bore
- Offset rocker shafts required
- Offset lifters required

310cc

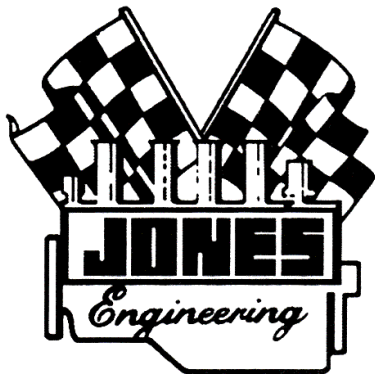


NOTES

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