



285 West Avenue

Tallmadge, Ohio 44278

Phone: 330.630.1555 • Fax: 330.633.2504
TrickFlow.com

Cylinder Heads for Small Block Chevrolet/LT1 Reference Sheet

Super 23® Series Cylinder Heads for Small Block Chevrolet

Product Name	Intake Runner Volume	Combustion Chamber Volume	Valve Sizes	Port Flow @ .600" Valve Lift (unless otherwise specified)	Use
Super 23 175	175cc Fast As Cast®	56cc	1.940" intake 1.500" exhaust	245 cfm intake 192 cfm exhaust	<ul style="list-style-type: none"> Ideal for 283-350 cubic inch engines Fast As Cast intake and exhaust runners Delivers great torque and throttle response Capable of supporting 450 horsepower as delivered
Super 23 195	195cc Fast As Cast®	62cc	2.020" intake 1.600" exhaust	254 cfm intake 190 cfm exhaust	<ul style="list-style-type: none"> Ideal for 302-406 cubic inch street performance engines Fast As Cast intake and exhaust runners Delivers strong midrange horsepower and torque Capable of supporting up to 500 horsepower as delivered
Super 23 195 with CNC-profiled combustion chambers	195cc Fast As Cast®	64cc or 72cc CNC-profiled	2.020" intake 1.600" exhaust	Intake: 64cc/258 cfm 72cc/249 cfm Exhaust: 64cc/196 cfm 72cc/199 cfm	<ul style="list-style-type: none"> Same as Super 23 195 but with 64cc or 72cc CNC-profiled combustion chambers
Super 23 215	215cc Fast As Cast®	67cc or 72cc	2.080" intake 1.600" exhaust	287 cfm intake 223 cfm exhaust (@ .700" Valve Lift)	<ul style="list-style-type: none"> Ideal for 350 cubic inch and larger hot street, bracket race, and modified oval track engines Fast As Cast intake and exhaust runners Delivers strong upper rpm horsepower and torque Capable of supporting up to 650 horsepower as delivered
Super 23 230	230cc CNC-ported	70cc CNC-profiled	2.080" intake 1.600" exhaust	310 cfm intake 240 cfm exhaust (@ .700" Valve Lift)	<ul style="list-style-type: none"> Ideal for maximum performance 383 cubic inch and larger engines Fully CNC-ported intake and exhaust runners plus CNC-profiled combustion chambers Delivers 700+ horsepower as delivered an in excess of 7,000+ rpm

Ultra 18® 250 Cylinder Heads for Small Block Chevrolet

Product Name	Intake Runner Volume	Combustion Chamber Volume	Valve Sizes	Port Flow @ .700" Valve Lift	Use
Ultra 18 250	250cc Fast As Cast®	56cc CNC-profiled	2.150" intake 1.600" exhaust	334 cfm intake 256 cfm exhaust	<ul style="list-style-type: none"> Ideal for maximum effort 358 cubic inch and larger engines in street/strip, bracket racing, and oval track cars Fully CNC-profiled combustion chambers Fast As Cast intake and exhaust runners Capable of supporting 700+ horsepower as delivered

GenX® Series Cylinder Heads for GM LT1

Product Name	Intake Runner Volume	Combustion Chamber Volume	Valve Sizes	Port Flow @ .600" Valve Lift	Use
GenX 185	185cc Fast As Cast®	54cc CNC-profiled	2.020" intake 1.600" exhaust	273 cfm intake 209 cfm exhaust	<ul style="list-style-type: none"> Ideal for stock bore, naturally aspirated LT1 engines 21 degree valve angles Fast As Cast intake and exhaust runners Capable of delivering in excess of 500 horsepower as delivered
GenX 195	195cc Fast As Cast®	62cc	2.020" intake 1.600" exhaust	254 cfm intake 190 cfm exhaust	<ul style="list-style-type: none"> Ideal for engines with forced induction or for maximum performance stroker engines of 383 cubic inches and larger 23 degree valve angles Fast As Cast intake and exhaust runners Capable of delivering in excess of 500 horsepower as delivered



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Cylinder Heads/Intake Manifold for Big Block Chevrolet Reference Sheet

PowerOval® 280 Cylinder Heads for Big Block Chevrolet

Product Name	Intake Runner Volume	Combustion Chamber Volume	Valve Sizes	Port Flow @ .700" Valve Lift	Use
PowerOval 280	280cc Fast As Cast®	113cc	2.190" intake 1.880" exhaust	347 cfm intake 264 cfm exhaust	<ul style="list-style-type: none"> • Ideal for street performance, RV/towing, mild street/strip, and bracket race applications that operate up to 7,000 rpm • Fast As Cast intake and exhaust runners • Delivers tremendous midrange torque for excellent performance in heavy vehicles • Capable of supporting 700+ horsepower as delivered

PowerPort® Series Cylinder Heads for Big Block Chevrolet

Product Name	Intake Runner Volume	Combustion Chamber Volume	Valve Sizes	Port Flow @ .800" Valve Lift	Use
PowerPort 320	320cc Fast As Cast®	122cc	2.250" or 2.300" intake 1.880" exhaust	362 cfm intake 301 cfm exhaust	<ul style="list-style-type: none"> • Perfect for street/strip and bracket race applications • Fast As Cast intake and exhaust runners • Engines under 500 cubic inches require a loose torque converter • Capable of 750 horsepower as delivered
PowerPort 360	360cc Fast As Cast®	122cc	2.300" intake 1.880" exhaust	390 cfm intake 301 cfm exhaust	<ul style="list-style-type: none"> • Best for use with large cubic inch naturally aspirated stroker combinations, forced induction engines, or with alcohol • Ideal cylinder heads for maximum performance with stock intake port location • Fast As Cast intake and exhaust runners • Requires a loose torque converter or a manual transmission • Capable of 800+ horsepower as delivered in excess of 8,000 rpm

R-Series Intake Manifold for Big Block Chevrolet

Product Name	Overall Height	Port Opening	Carburetor Flange	Use
R-Series	6.550"	Rectangular	Holley 4500 Dominator	<ul style="list-style-type: none"> • Best for aggressive street, street/strip, and bracket race applications • Engine size recommendations: 427 cubic inches and larger with alcohol or forced induction; 500 cubic inches and larger naturally aspirated • RPM range: 4,000-8,000+



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Cylinder Heads for GM LSX Reference Sheet

GenX® Series Cylinder Heads for GM LSX

Product Name	Intake Runner Volume	Combustion Chamber Volume	Valve Sizes	Port Flow @ .600" Valve Lift	Use
GenX 205, 4.8L/5.3L/5.7L (Vortec)	205cc CNC-ported	58cc CNC-profiled	2.000" intake 1.575" exhaust	299 cfm intake 237 cfm exhaust	<ul style="list-style-type: none"> • Ideal for street performance and street/strip 4.8L/5.3L engines • Fully CNC-ported intake and exhaust runners plus CNC-profiled combustion chambers • Capable of supporting up to 600 horsepower as delivered
GenX 220, LS1	220cc Fast As Cast®	64cc CNC-profiled	2.040" intake 1.575" exhaust	305 cfm intake 233 cfm exhaust	<ul style="list-style-type: none"> • Ideal for naturally aspirated and forced induction street performance and street/strip applications • Fast As Cast intake and exhaust runners • Capable of supporting 550+ horsepower as delivered
GenX 220, LS2	220cc Fast As Cast®	65cc CNC-profiled	2.055" intake 1.575" exhaust	305 cfm intake 233 cfm exhaust	<ul style="list-style-type: none"> • Ideal for naturally aspirated and forced induction street performance and street/strip applications • Fast As Cast intake and exhaust runners • Capable of supporting 600 horsepower as delivered
GenX 215, LS1	215cc CNC-ported	64cc CNC-profiled	2.040" intake 1.575" exhaust	320 cfm intake 259 cfm exhaust	<ul style="list-style-type: none"> • Ideal for naturally aspirated and forced induction street performance and street/strip applications • Fully CNC-ported intake and exhaust runners plus CNC-profiled combustion chambers • Capable of supporting 600+ horsepower as delivered
GenX 225, LS2	225cc CNC-ported	65cc CNC-profiled	2.055" intake 1.575" exhaust	338 cfm intake 259 cfm exhaust	<ul style="list-style-type: none"> • Ideal for naturally aspirated and forced induction street performance and street/strip applications • Fully CNC-ported intake and exhaust runners plus CNC-profiled combustion chambers • 4.000" minimum bore required • Capable of supporting 650+ horsepower as delivered
GenX 235, LSX	235cc CNC-ported	70cc CNC-profiled	2.080" intake 1.600" exhaust	340 cfm intake 270 cfm exhaust	<ul style="list-style-type: none"> • Ideal for naturally aspirated and forced induction street performance, street/strip, and bracket race applications • Fully CNC-ported intake and exhaust runners plus CNC-profiled combustion chambers • 4.125" minimum bore required • Available with standard and 6-bolt mounting patterns • Capable of supporting 700+ horsepower as delivered
GenX 245, LSX	245cc CNC-ported	70cc CNC-profiled	2.100" intake 1.600" exhaust	350 cfm intake 274 cfm exhaust	<ul style="list-style-type: none"> • Ideal for naturally aspirated and forced induction street performance, street/strip, and bracket race applications • Fully CNC-ported intake and exhaust runners plus CNC-profiled combustion chambers • 4.125" minimum bore required • 6-bolt mounting pattern for high compression, high boost applications • Capable of supporting 700+ horsepower as delivered



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Cylinder Heads for Small Block Ford Reference Sheet

Twisted Wedge® Series Cylinder Heads for Small Block Ford

Product Name	Intake Runner Volume	Combustion Chamber Volume	Valve Sizes	Port Flow @ .600" Valve Lift (unless otherwise specified)	Use
Twisted Wedge 170	170cc Fast As Cast®	61cc	2.020" intake 1.600" exhaust	251 cfm intake 193 cfm exhaust	<ul style="list-style-type: none"> • Ideal for street performance and mild bracket race applications • Fast As Cast intake and exhaust runners • Delivers great torque and throttle response • Capable of delivering in excess of 450 horsepower as delivered
Twisted Wedge 185 and 205	185cc or 205cc CNC-ported	64cc (185) or 65cc (205) CNC-profiled	2.020" intake 1.600" exhaust	Intake: 185cc/301 cfm 205cc/316 cfm Exhaust: 185cc/231 cfm 205cc/231 cfm	<ul style="list-style-type: none"> • Fully CNC-ported version of the Twisted Wedge 170 cylinder heads • Ideal for street/strip, bracket race, and forced induction engines that operate up to 7,000 rpm • Requires the use of high-flowing intake and exhaust systems • Capable of supporting 600+ horsepower as delivered
Twisted Wedge Track Heat® 170	170cc Fast As Cast®	61cc CNC-profiled	2.020" intake 1.600" exhaust	251 cfm intake 193 cfm exhaust	<ul style="list-style-type: none"> • Same features as Twisted Wedge 170 cylinder heads but with higher rate valve springs, 10° steel locks, and 7/16" rocker arm studs • Perfect for dual purpose street/strip cars • Fast As Cast intake and exhaust runners • Supports camshafts up to .600" lift • Capable of delivering in excess of 450 horsepower as delivered
Twisted Wedge Track Heat® 190	190cc Fast As Cast®	64cc CNC-profiled	2.020" intake 1.600" exhaust	273 cfm intake 197 cfm exhaust	<ul style="list-style-type: none"> • Ideal for street performance, street/strip, and forced induction engines • Fast As Cast intake and exhaust runners • Capable of supporting 550-600 horsepower as delivered
Twisted Wedge Track Heat® 185 and 205	185cc or 205cc CNC-ported	64cc (185) or 65cc (205) CNC-profiled	2.020" intake 1.600" exhaust	Intake: 185cc/301 cfm 205cc/316 cfm Exhaust: 185cc/231 cfm 205cc/231 cfm	<ul style="list-style-type: none"> • Same features as Twisted Wedge 185 and 205 cylinder heads but with higher rate valve springs, 10° steel locks, and 7/16" rocker arm studs • Perfect for maximum performance street, street/strip, and bracket race cars • Requires high-flowing intake and exhaust systems; small cubic inch naturally aspirated engines require a loose torque converter • Capable of supporting 650+ horsepower and 7,000 rpm as delivered
Twisted Wedge Race 206	206cc Fast As Cast®	61cc CNC-profiled	2.080" intake 1.600" exhaust	305 cfm intake 235 cfm exhaust (@ .700" Valve Lift)	<ul style="list-style-type: none"> • Ideal cylinder heads for maximum effort street/strip and bracket race cars • Copper bronze exhaust seats combat extreme combustion chamber temperatures in high boost forced induction engines • Small cubic inch engines require a loose torque converter • Capable of 650 horsepower as delivered
Twisted Wedge Race 225	225cc CNC-ported	65cc CNC-profiled	2.080" intake 1.600" exhaust	341 cfm intake 271 cfm exhaust (@ .700" Valve Lift)	<ul style="list-style-type: none"> • Fully CNC-ported version of the Twisted Wedge Race 206 cylinder heads • Ideal for maximum effort street/strip and bracket race cars • Copper bronze exhaust seats combat extreme combustion chamber temperatures in high boost forced induction engines • Requires high-flowing intake and exhaust systems; small cubic inch naturally aspirated engines require a loose torque converter • Capable of 700+ horsepower and 7,500 rpm as delivered



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Cylinder Heads for Small Block Ford and Ford 4.6L/5.4L 2V Reference Sheet

High Port® Series Cylinder Heads for Small Block Ford

Product Name	Intake Runner Volume	Combustion Chamber Volume	Valve Sizes	Port Flow @ .600" Valve Lift	Use
High Port 192	192cc Fast As Cast®	64cc	2.020" intake 1.600" exhaust	267 cfm intake 193 cfm exhaust	<ul style="list-style-type: none"> Ideal for street performance, street/strip, and bracket race applications on both naturally aspirated and forced induction engines One of the best Ford race cylinder heads available Capable of supporting 550 horsepower as delivered
High Port 225	225cc CNC-ported	58cc or 70cc CNC-profiled	2.080" intake 1.600" exhaust	Intake: 58cc/333 cfm 70cc/335 cfm Exhaust: 58cc/255 cfm 70cc/257 cfm	<ul style="list-style-type: none"> Fully CNC-ported version of the High Port 192 cylinder heads with additional valve spring package options Ideal for maximum effort street/strip and bracket race cars Requires high-flowing intake and exhaust systems; small cubic inch naturally aspirated engines require a loose torque converter Capable of 700 plus horsepower and 7,500 rpm as delivered

PowerPort® Billet Cylinder Heads for Small Block Ford

Product Name	Intake Runner Volume	Combustion Chamber Volume	Valve Sizes	Port Flow @ .600" Valve Lift	Use
PowerPort Billet	290cc*, 295cc*, or 300cc* CNC-ported	52cc* CNC-profiled	2.020** or 2.250** intake 1.590** or 1.600** exhaust	Unavailable due to availability of multiple configurations	<ul style="list-style-type: none"> The ultimate solution for large cubic inch, large power adder Small Block Ford racing engines These fully CNC-ported, 9° billet aluminum heads are available virtually any port size, combustion chamber volume, valve, and valve spring package requested Custom made to customer's specifications; delivery takes 4–6 weeks

*NOTE: These specifications are based on popular combinations and are for reference only.
Please contact a Trick Flow sales representative at 1-330-630-1555 to discuss ordering custom heads to suit your application.

Twisted Wedge® Series Cylinder Heads for Ford 4.6L/5.4L 2V

Product Name	Intake Runner Volume	Combustion Chamber Volume	Valve Sizes	Port Flow @ .600" Valve Lift	Use
Twisted Wedge 185	185cc Fast As Cast®	38cc or 44cc CNC-profiled	1.840" intake 1.450" exhaust	252 cfm intake 188 cfm exhaust	<ul style="list-style-type: none"> New cylinder head for Ford 4.6L/5.4L 2V engines Perfect for street performance, street/strip, and mild race applications OE PI-style intake inlets; Fast As Cast intake and exhaust runners Full 3/4 reach spark plugs; replaceable cam bearing journals Accepts all OE-type 2V cams, followers, lash adjusters, and valve covers Capable of 450+ horsepower as delivered
Twisted Wedge Track Heat® 185	185cc Fast As Cast®	38cc or 44cc CNC-profiled	1.840" intake 1.450" exhaust	252 cfm intake 188 cfm exhaust	<ul style="list-style-type: none"> Same features as Twisted Wedge 185 cylinder heads with 125 lb. rate valve springs for engines with power adders and/or high rpm applications Accepts all Romeo and Windsor valve covers plus most OE Ford front covers Capable of 500+ horsepower as delivered



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Cylinder Heads for Ford 351C, 351M/400, and Big Block Ford Reference Sheet

PowerPort® Cleveland Series Cylinder Heads for Ford 351C, 351M/400

Product Name	Intake Runner Volume	Combustion Chamber Volume	Valve Sizes	Port Flow @ .600" Valve Lift	Use
PowerPort Cleveland 190	190cc Fast As Cast®	62cc CNC-profiled	2.080" intake 1.600" exhaust	299 cfm intake 232 cfm exhaust	<ul style="list-style-type: none"> New cylinder head for Ford 351C and 351M/400 engines Perfect for street performance, street/strip, and mild bracket race applications Combines factory 351C 2V low- and midrange muscle with 351C 4V high-rpm ability and top-end might With minor machining, these heads can also be used on 302/351W blocks Capable of 550-600 horsepower as delivered
PowerPort Cleveland 225	225cc CNC-ported	60cc CNC-profiled	2.080" intake 1.600" exhaust	340 cfm intake 240 cfm exhaust	<ul style="list-style-type: none"> Fully CNC-ported version of the PowerPort Cleveland 190 cylinder heads Ideal for maximum performance engines Capable of 650+ horsepower as delivered

PowerPort® Series Cylinder Heads for Ford 429/460

Product Name	Intake Runner Volume	Combustion Chamber Volume	Valve Sizes	Port Flow @ .700" Valve Lift	Use
PowerPort 290	290cc Fast As Cast®	74cc	2.200" intake 1.760" exhaust	350 cfm intake 240 cfm exhaust	<ul style="list-style-type: none"> Awesome OEM replacement cylinder heads ideal for street performance, RV/towing, and street/strip Capable of supporting up to 700 horsepower as delivered
PowerPort 325	305cc CNC-ported	80cc CNC-profiled	2.200" intake 1.760" exhaust	388 cfm intake 261 cfm exhaust	<ul style="list-style-type: none"> Fully CNC-ported version of the PowerPort 290 cylinder heads Perfect for street/strip and mild bracket racing applications Capable of supporting in excess of 850+ horsepower as delivered

PowerPort® A460 Cylinder Heads for Ford 429/460

Product Name	Intake Runner Volume	Combustion Chamber Volume	Valve Sizes	Port Flow @ .800" Valve Lift	Use
PowerPort A460 340	340cc Fast As Cast®	91cc or 83cc	2.300" or 2.350" intake 1.880" exhaust	Intake: 91cc/412 cfm 83cc/423 cfm Exhaust: 91cc/300 cfm 83cc/300 cfm	<ul style="list-style-type: none"> Ideal for maximum performance street, bracket racing, truck pull, and monster truck applications Small cubic inch engines require a loose torque converter Available with standard and 18-bolt mounting patterns Capable of supporting in excess of 850 horsepower as delivered on naturally aspirated engines
PowerPort A460 355	350cc CNC-ported	85cc CNC-profiled	2.350" intake 1.880" exhaust	451 cfm intake 321 cfm exhaust	<ul style="list-style-type: none"> Fully CNC-ported version of the PowerPort A460 340 cylinder heads Perfect for naturally aspirated and forced induction engines 18-bolt mounting pattern Capable of supporting in excess of 1,000+ horsepower as delivered on naturally aspirated and forced induction engines



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Intake Manifolds for Big Block Ford Reference Sheet

Ford 429/460 Intake Manifolds

Product Name	Overall Height	Port Opening	Carburetor Flange	Use
Track Heat® 429/460	6.800"	Ford 429/460, non-Super Cobra Jet	Holley 4150 square bore	<ul style="list-style-type: none">• Aggressive street, street/strip, and bracket race applications• RPM range: 3,500-8,000
R-Series A460	8.600"	Trick Flow PowerPort A460 340 and 355	Holley 4500 Dominator	<ul style="list-style-type: none">• Maximum effort street, street/strip, bracket, race, and truck pull applications• Small cubic inch engines will require a loose torque converter• RPM range: 3,500-8,000
R-Series A460 Tunnel Ram	10.480**	Trick Flow PowerPort A460 340 and 355	Holley 4500 Dominator, single or dual carburetor top covers available	<ul style="list-style-type: none">• Ideal for truck pull, monster truck, dragster, and fast bracket race applications• Loose torque converter or manual transmission required for all combinations• RPM range: 4,500-8,000

***NOTE:** Overall height is measured from the bottom of the manifold to the base of the top cover.