



# Billet Timing Sets

**JPW** adjustable billet timing sets feature CNC machined billet sprockets, adjustability from -6° to +6°, high quality .250" seamless roller chain, Torrington roller thrust and induction hardened crank sprocket.



**JPW** billet timing sets feature CNC machined billet sprockets, induction hardened crank sprocket and .250" seamless roller chain. 9 key crank sprocket allows adjustments up to 8°. Torrington thrust available on most applications.



## Quick Adjust Billet Timing Sets

### Chev

Part #	Description
3100A	SBC w/torrington
3100A-5	SBC w/torrington +.005
3100A-10	SBC w/torrington +.010
3110A	BBC w/torrington

## Billet Timing Sets

### Chev

Part #	Description
3500T9	SBC w/torrington
3500T9-5	SBC w/torrington +.005
3500T9-10	SBC w/torrington +.010
3510T9	BBC w/torrington
3510T9-5	BBC w/torrington +.005
3510T9-10	BBC w/torrington +.010

### Ford

3138T9	SBF 302-351W '89 & up
3535T9	SBF 302-351W '72-88

### Mopar

3525T9	BB 383-440 3 bolt w/shim
3503T9	SB 318-360

**JPW** timing sets 3138T9 & 3535T9 require cam thrust plate modification to clear roller thrust bearing or bronze shim. Thrust plate holes must be countersunk so the screws supplied w/timing set are slightly below the surface of thrust plate.

## Performance-Pack Timing Sets

**JPW** Performance Pack roller timing sets feature induction hardened sprockets with 3 keyway adjustability. Affordable .250" pin chain (full roller chain on Performance Pack Plus).



## Performance Pack Plus Timing Sets

### Chev

Part #	Description
1100-3	SBC True Roller

## Performance Pack Timing Sets

### Chev

Part #	Description
3023-3	SBC Dual Row
3024-3	BBC Dual Row

### Ford

3054-3	SBF Dual Row
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### Mopar

3028-3	SB Mopar Dual Row
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## Aluminum Timing Covers

**JPW** diecast aluminum timing covers are polished and feature a rigid 1 piece design to eliminate flexing and leaks.



Timing pointers are available in steel or billet aluminum.

Contact **JPW** For your specific application.

## Steel Timing Covers

**JPW** timing cover features a rugged 3 rib design that allows use of a cam button and comes black powder coated.

## JPW Steel Timing Cover

Part #	Description
STC-200	SB Chev 55-79
STC-200R	SB Chev unpainted

## Aluminum Timing Covers

Part #	Description
ATC-200	SB Chev
ATC-250	BB Chev





# Performance-Pack Pushrods

- 4130 Seamless 1-piece
- Die Formed Ends
- Centerless Ground
- Black Oxide Coating

Pushrods are available in custom lengths, in diameters to 9/16" and wall thickness of .187". Cup ends, tapers and pushrod kits also available.



Part #	Length	Tube size & Thickness
PR3-7600	7.600	3/8 X .080
PR3-7750	7.750	3/8 X .080
PR3-7800	7.800	3/8 X .080
PR3-7900	7.900	3/8 X .080
PR3-7950	7.950	3/8 X .080
PR3-8000	8.000	3/8 X .080
PR3-8025	8.025	3/8 X .080
PR3-8050	8.050	3/8 X .080
PR3-8200	8.200	3/8 X .080
PR3-8250	8.250	3/8 X .080
PR3-8280	8.280	3/8 X .080
PR3-8350	8.350	3/8 X .080
PR3-8380	8.380	3/8 X .080
PR3-8400	8.400	3/8 X .080
PR3-8450	8.450	3/8 X .080
PR3-8500	8.500	3/8 X .080
PR3-8550	8.550	3/8 X .080
PR3-8600	8.600	3/8 X .080
PR3-8680	8.680	3/8 X .080
PR3-8780	8.780	3/8 X .080
PR3-8850	8.850	3/8 X .080
PR3-8900	8.900	3/8 X .080
PR3-9200	9.200	3/8 X .080
PR3-9150	9.150	3/8 X .080
PR3-9250	9.250	3/8 X .080
PR3-9350	9.350	3/8 X .080
PR3-9450	9.450	3/8 X .080
PR3-9500	9.500	3/8 X .080

Part #	Length	Tube size & Thickness
PR5-6250	6.250	5/16 X .080
PR5-6700	6.700	5/16 X .080
PR5-6750	6.750	5/16 X .080
PR5-6800	6.800	5/16 X .080
PR5-6850	6.850	5/16 X .080
PR5-6900	6.900	5/16 X .080
PR5-6950	6.950	5/16 X .080
PR5-7050	7.050	5/16 X .080
PR5-7150	7.150	5/16 X .080
PR5-7200	7.200	5/16 X .080
PR5-7300	7.300	5/16 X .080
PR5-7350	7.350	5/16 X .080
PR5-7400	7.400	5/16 X .080
PR5-7450	7.450	5/16 X .080
PR5-7650	7.650	5/16 X .080
PR5-7700	7.700	5/16 X .080
PR5-7750	7.750	5/16 X .080
PR5-7800	7.800	5/16 X .080
PR5-7850	7.850	5/16 X .080
PR5-7900	7.900	5/16 X .080
PR5-7950	7.950	5/16 X .080
PR5-8000	8.000	5/16 X .080
PR5-8050	8.050	5/16 X .080
PR5-8100	8.100	5/16 X .080
PR5-8150	8.150	5/16 X .080
PR5-8250	8.250	5/16 X .080
PR5-8400	8.400	5/16 X .080
PR5-8600	8.600	5/16 X .080
PR5-8650	8.650	5/16 X .080
PR5-8675	8.675	5/16 X .080
PR5-9850	9.850	5/16 X .080



**NEW!**

**210° Radius Ends**



- For High Lift Applications
- A Must with Shaft Rockers



All Performance Pack pushrods feature die formed ends.



Part #	Length	Tube size & Thickness
PR3-7900-210	7.900	3/8 X .080-210° END
PR3-7950-210	7.950	3/8 X .080-210° END
PR3-8000-210	8.000	3/8 X .080-210° END
PR3-8050-210	8.050	3/8 X .080-210° END
PR3-8100-210	8.100	3/8 X .080-210° END
PR3-8500-210	8.500	3/8 X .080-210° END
PR3-8550-210	8.550	3/8 X .080-210° END
PR3-8600-210	8.600	3/8 X .080-210° END

Part #	Length	Tube size & Thickness
PR5-7800-210	7.800	5/16 X .080-210° END
PR5-7850-210	7.850	5/16 X .080-210° END
PR5-7900-210	7.900	5/16 X .080-210° END
PR5-7950-210	7.950	5/16 X .080-210° END
PR5-8000-210	8.000	5/16 X .080-210° END
PR5-8050-210	8.050	5/16 X .080-210° END
PR5-8100-210	8.100	5/16 X .080-210° END
PR5-8150-210	8.150	5/16 X .080-210° END



# ULTRA FLO Stainless Steel Valves



**JPW ULTRA FLO** valves feature a 1 piece forging of severe duty alloy material. Valves are swirl polished with hard chrome stems. A special heat treat maintains consistent grain flow for improved ductility and longevity. Features include hardened tip and keeper groove.

## ULTRA FLO Stainless Steel Valves

### SB Chev

Part #	Type	Head Diameter	Stem Diameter	Install Height	Overall Length
V-1500UF	Exh	1.500	.3415	stock	4.910
V-1501UF	Exh	1.500	.3415	+.100	5.010
V-1600UF	Exh	1.600	.3415	stock	4.910
V-1601UF	Exh	1.600	.3415	+.100	5.010
V-1602UF	Exh	1.600	.3415	+.200	5.130
V-1625UF	Exh	1.625	.3415	stock	4.910
V-1626UF	Exh	1.625	.3415	+.100	5.010
V-1627UF	Exh	1.625	.3415	+.200	5.130
V-1940UF	Int	1.940	.3415	stock	4.910
V-1941UF	Int	1.940	.3415	+.100	5.010
V-2020UF	Int	2.020	.3415	stock	4.910
V-2021UF	Int	2.020	.3415	+.100	5.010
V-2022UF	Int	2.020	.3415	+.200	5.130
V-2055UF	Int	2.055	.3415	stock	4.910
V-2056UF	Int	2.055	.3415	+.100	5.010
V-2057UF	Int	2.055	.3415	+.200	5.130
V-2080UF	Int	2.080	.3415	stock	4.970
V-2081UF	Int	2.080	.3415	+.100	5.030
V-2082UF	Int	2.080	.3415	+.200	5.130
V-2100UF	Int	2.100	.3415	stock	4.940
V-2101UF	Int	2.100	.3415	+.100	5.030
V-2102UF	Int	2.100	.3415	+.200	5.130
V-2126UF	Int	2.125	.3415	+.100	5.030
V-2127UF	Int	2.125	.3415	+.200	5.130

## ULTRA FLO Stainless Steel Valves

### BB Chev

Part #	Type	Head Diameter	Stem Diameter	Install Height	Overall Length
V-1880UF	Exh	1.880	.3415	stock	5.430
V-1881UF	Exh	1.880	.3415	+.100	5.530
V-1880-3UF	Exh	1.880	.3715	stock	5.430
V-1881-3UF	Exh	1.880	.3715	+.100	5.530
V-1910-3UF	Exh	1.910	.3715	+.100	5.530
V-2191UF	Int	2.190	.3415	+.100	5.530
V-2191-3UF	Int	2.190	.3715	+.100	5.530
V-2192-3UF	Int	2.190	.3715	+.250	5.000
V-2250UF	Int	2.250	.3415	stock	5.430
V-2251UF	Int	2.250	.3415	+.100	5.530
V-2252UF	Int	2.250	.3415	+.250	5.470
V-2302UF	Int	2.300	.3415	+.250	5.500
V-2302-3UF	Int	2.300	.3715	+.250	5.500

## Street Pro Pushrods



1010 Steel Alloy  
Black Oxide Coating  
Guideplate Compatible  
Mild Street Performance

## Street Pro Pushrods

Part #	Length	Tube size & Thickness
<b>SB Chev</b>		
PR5-7800SP	7.800	5/16 X .065
PR5-7900SP	7.900	5/16 X .065
<b>BB Chev</b>		
PR3-8280SP	8.280	3/8 X .065
PR3-9250SP	9.250	3/8 X .065
<b>SB Ford</b>		
PR5-6905SP	6.905	5/16 X .065
PR5-6825SP	6.825	5/16 X .065
PR5-8176SP	8.176	5/16 X .065

## ULTRA FLO Titanium Valves



High quality alloy for reliability  
In high rpm situations.

## ULTRA FLO Titanium Valves

### SB Chev

Part #	Type	Head Diameter	Stem Diameter	Install Height	Overall Length
V-1602T	Exh	1.600	.3415	+.200	5.140
V-1603T	Exh	1.600	.3415	+.300	5.240
V-1627T	Exh	1.625	.3415	+.200	5.140
V-1628T	Exh	1.625	.3415	+.300	5.240
V-2082T	Int	2.080	.3415	+.200	5.140
V-2102T	Int	2.100	.3415	+.200	5.140
V-2103T	Int	2.100	.3415	+.345	5.285
V-2127T	Int	2.125	.3415	+.200	5.140
V-2128T	Int	2.125	.3415	+.300	5.240

## ULTRA FLO Titanium Valves

### BB Chev

Part #	Type	Head Diameter	Stem Diameter	Install Height	Overall Length
V-1882T	Exh	1.880	.3415	+.200	5.550
V-2303T	Int	2.300	.3415	+.300	5.550



# Performance-Pack Stainless Steel Valves



JPW Performance Pack valves feature a 1 piece forging from premium 21-4N alloy. Stems are hard chromed and feature a hardened tip and swirl polished head.

## Performance Pack Stainless Steel Valves

<b>SB Chev</b>		Head	Stem	Install	Overall
Part #	Type	Diameter	Diameter	Height	Length
V-1500SS	Exh	1.500	.3415	stock	4.90
V-1501SS	Exh	1.500	.3415	+1.00	5.00
V-1600SS	Exh	1.600	.3415	stock	4.90
V-1601SS	Exh	1.600	.3415	+1.00	5.00
V-1626SS	Exh	1.625	.3415	+1.00	5.01
V-1940SS	Int	1.940	.3415	stock	4.88
V-1941SS	Int	1.940	.3415	+1.00	4.98
V-2020SS	Int	2.020	.3415	stock	4.88
V-2021SS	Int	2.020	.3415	+1.00	4.98
V-2055SS	Int	2.055	.3415	stock	4.91
V-2056SS	Int	2.055	.3415	+1.00	5.02
V-2080SS	Int	2.080	.3415	stock	4.95
V-2081SS	Int	2.080	.3415	+1.00	5.05

## Performance Pack Stainless Steel Valves

<b>BB Chev</b>		Head	Stem	Install	Overall
Part #	Type	Diameter	Diameter	Height	Length
V-1725SS	Exh	1.725	.3715	stock	5.35
V-1880SS	Exh	1.880	.3715	stock	5.35
V-1881SS	Exh	1.880	.3715	+1.00	5.45
V-2065SS	Int	2.065	.3715	stock	5.22
V-2190SS	Int	2.190	.3715	stock	5.21
V-2191SS	Int	2.190	.3715	stock	5.35
V-2250SS	Int	2.250	.3715	stock	5.22
V-2300SS	Int	2.300	.3715	stock	5.22



## Valve Seals

### JPW Teflon® Valve Seals

PART#	DESC
OS-1611T	.341 ID/.500 Guide OD
OS-1711T	.341 ID/.530 Guide OD
OS-1712T	.372 ID/.530 Guide OD

Viton® oil seals from jpw have a spring wiper for superior oil control. Seals feature a low drag pliable surface and are metal clad for positive fit.



\*These seals have a reduced OD for use with triple and large double valve springs.

### JPW Viton® Hi Temp Seals

PART#	DESC
OS-11500V*	.342ID/.500 Guide OD
OS-11530V*	.342ID/.500 Guide OD
OS-31500V*	.311ID/.500 Guide OD
OS-31530V*	.311ID/.530 Guide OD
OS-108V	.344ID/.502 Guide OD
OS-530V	.342ID/.530 Guide OD
OS-562V	.342ID/.562 Guide OD
OS-375V	.373ID/.530 Guide OD
OS-377V	.373ID/.562 Guide OD
OS-802V	.311ID/.530 Guide OD
OS-805V	.311ID/.500 Guide OD



## Performance-Pack Valve Train Components



### JPW Rocker Studs

PART#	DESC
RS38-2400	4140 SBC 3/8" 2.400"
RS38-2500	4140 SBC 3/8" 2.500"
RS716-2540	4140 SBC 7/16" 2.540"
RS716-2650	4140 BBC 7/16" 2.650"

### JPW Guide Plates

PART#	DESC
GPA200	SBC 5/16" ADJUSTABLE
GPF200	SBC 5/16" FLAT
GPR200	SBC 5/16" RAISED
GPF250	SBC 3/8" FLAT
GPR250	SBC 3/8" RAISED
GPC538	BBC 3/8"
GPC6716	BBC 7/16"
GP302	SB FORD 5/16" FLAT





# Performance-Pack Valve Springs

JPW Performance valve springs cover a wide range of pressures and sizes to make it easy to select the correct spring for your application. Springs are made of high quality chrome silicone wire. Part numbers marked in **RED** are wound with the latest Alpha wire material for unsurpassed strength and durability. These springs are also electro polished to remove surface imperfections.  
\*fits LS1, LT1, LT4, etc.



Alpha 1™ Spring  
Electro Polished

Chrome Silicone

Conical Ovate Spring



# Performance-Pack Valve Train Components



JPW spring locators are made of hardened 4140 steel. .062" thick.

## JPW Spring Cups & Locators

PART#	SPRING OD	CUP OD	CUP ID
VSC-1270	1.25-1.26"	1.360	.570
VSC-1440	1.440"	1.550	.690
VSC-1475	1.46-1.475"	1.580	.640
VSC-1510	1.5-1.51"	1.630	.640
VSC-1565	1.54-1.56"	1.680	.640
VSC-1650	1.625-1.64"	1.750	.640
PART#	SPRING ID	BASE OD	BASE ID
VSL-1535	.740	1.535	.569
VSL-1550	.715	1.550	.569
VSL-1570	.810	1.570	.569
VSL-1620	.740	1.620	.569
VSL-1620A	.740	1.620	.640



JPW valve locks are stamped from premium steel alloy and heat treated for hardness.



Locks marked in **RED** are machined steel

## JPW Valve Locks

PART#	DESC
VL-1132	11/32 7° LOCKS HD
VL-1132-M7	11/32 7° LOCKS MACHINED
VL-1132-M10	11/32 10° LOCKS MACHINED
VL-1132+050	11/32 7° LOCKS HD +.050
VL-38	3/8 7° LOCKS HD
VL-38-M7	3/8 7° LOCKS MACHINED
VL-38-M10	3/8 10° LOCKS MACHINED

## JPW Performance Valve Springs

PART#	Type	Seat Pressure	Open Pressure	Coil Bind
<b>ROLLER SPRINGS</b>				
VS-621*	1.295 dual	140@1.800	385@1.150	1.100
VS-628	1.540 dual w/damp	190@1.940	450@1.375	1.200
VS-630	1.540 dual w/damp	215@1.900	490@1.300	1.200
VS-640	1.550 dual w/damp	220@2.000	500@1.375	1.200
VS-650	1.550 dual w/damp	235@1.950	590@1.230	1.190
VS-660	1.560 dual w/damp	240@2.000	600@1.250	1.190
VS-680	1.625 dual w/damp	235@2.000	650@1.250	1.150
VS-730	1.630 triple assy	340@2.100	850@1.300	1.210
<b>MECHANICAL SPRINGS</b>				
VS-501	1.260 sing w/damp	130@1.750	340@1.250	1.160
VS-502	1.260 sing w/damp	140@1.750	360@1.200	1.100
VS-505	1.530 sing w/damp	125@1.900	380@1.375	1.200
VS-611	1.440 dual w/damp	135@1.750	320@1.200	1.125
VS-615	1.460 dual w/damp	130@1.850	380@1.250	1.080
VS-620	1.460 dual	160@1.850	430@1.250	1.080
<b>HYDRAULIC SPRINGS</b>				
VS-943	1.250 sing w/damp	110@1.700	300@1.250	1.160
VS-501	1.260 sing w/damp	130@1.750	340@1.250	1.160
VS-506	1.290 single conical	110@1.800	265@1.200	1.050
VS-504	1.430 sing w/damp	110@1.700	300@1.150	1.080
VS-503	1.440 sing w/damp	110@1.750	215@1.250	1.090
VS-500	1.460 sing w/damp	110@1.800	275@1.250	1.150
VS-609	1.460 dual w/damp	125@1.850	320@1.300	1.190

JPW retainers are made from high quality 4140 chromoly steel, heat treated, and black oxide finished. Part numbers marked in **RED** are titanium.



## JPW Valve Spring Retainers

PART#	FITS	LOCK	VALVE	A	B	C
RT-100	1.250"	7°	11/32"	1.240	0.852	0.600
RT-100T	1.250"	7°	11/32"	1.240	0.852	0.600
RT-302	1.40-1.44"	7°	ALL	1.400	1.060	0.700
RT-304	1.40-1.44"	7°	3/8"	1.400	1.060	0.695
RT-305	1.50-1.56"	7°	3/8"	1.490	1.120	0.695
RT-307T	1.40-1.44"	10°	ALL	1.400	1.060	0.695
RT-308	1.50-1.56"	10°	ALL	1.490	1.120	0.695
RT-308T	1.50-1.56"	10°	ALL	1.490	1.120	0.695
RT-309T	1.625-1.63"	10°	ALL	1.580	1.174	0.700



# Performance-Pack Valve Train Components



JPW valve seats are sintered iron alloy with tungsten carbide and tempered tool steel. These seats are original equipment on many performance aftermarket heads.

## JPW Valve Seats

Part #	OD	ID	Taper ID	Depth	Fits these heads:
1650-350	1.6500	1.280		0.350	Dart IE SS
1650-350A	1.6500	1.340		0.350	Dart IE
1650-425	1.6500	1.340		0.425	Dart
2000-377	2.0005	1.602		0.377	Dart
2160-350	2.1600	1.810		0.350	Dart
2160-425	2.1600	1.810		0.425	Dart
2160-350A	2.1600	1.880		0.350	Dart
2160-352	2.1605	1.747		0.352	Dart
2450-377	2.4505	2.000		0.377	Dart, World
2450-375	2.4505	2.090		0.375	Dart
1650-350B	1.6500	1.280	1.500	0.350	World
2000-375	2.0000	1.600	1.870	0.375	World
2062-300	2.0620	1.600		0.300	World
2160-300	2.1600	1.800		0.300	World
2300-375	2.3000	1.800		0.375	World
1551-320	1.5510	1.180	1.450	0.320	RHS
1656-375	1.6560	1.350	1.626	0.375	RHS
1656-375A	1.6565	1.246	1.546	0.375	RHS
1673-394	1.6732	1.338		0.394	RHS
1804-375	1.8045	1.375	1.610	0.375	RHS
2006-375	2.0060	1.625		0.375	RHS
2006-375A	2.0065	1.600	1.878	0.375	RHS
2380-375	2.3800	1.900	2.242	0.375	RHS
2400-375	2.4000	1.900	2.242	0.375	RHS
1600-400	1.6000	1.345	1.500	0.400	Edelbrock
1650-400	1.6500	1.390	1.489	0.400	Edelbrock
1650-375	1.6500	1.400	1.566	0.375	Edelbrock
2000-400	2.0000	1.745	1.844	0.400	Edelbrock
2100-400	2.1000	1.815	1.914	0.400	Edelbrock
2200-312	2.2000	1.720	1.863	0.312	Edelbrock
2200-312A	2.2000	1.830	1.983	0.312	Edelbrock
1696-305	1.6960	1.350	1.580	0.305	AFR
2131-375	2.1310	1.680		0.375	AFR
2200-375	2.2000	1.750	2.000	0.375	AFR
2450-375A	2.4500	2.000		0.375	AFR

## Performance-Pack Stud Girdles



JPW stud girdles are a 1 piece design machined from 6061 bar stock, anodized and contain all needed fasteners.

## JPW Stud Girdles

SG100038	SB Chev 1 piece 3/8" polylock
SG1000716	SB Chev 1 piece 7/16" polylock
SGB1000716	BB Chev 1 piece 7/16" polylock
SGF100038	SB Ford 1 piece 3/8" polylock
SGF1000716	SB Ford 1 piece 7/16" polylock



JPW valve guides are manufactured in USA of a high grade manganese bronze material. They are made to fit a variety of applications.

\*These guides are flange type.

## JPW Bronze Valve Guides

Part #	ID	OD	Length	Seal
VG502-516*	0.308	0.502	2.250	0.530
VG439-516*	0.309	0.439	2.750	0.530
VG625-516*	0.309	0.625	2.420	0.530
VG500-516	0.310	0.500	2.100	0.500
VG502-516A*	0.310	0.502	2.250	0.530
VG545-516*	0.310	0.545	2.250	0.531
VG625-516A	0.310	0.625	2.427	
VG620-516	0.311	0.620	2.562	
VG439-516A	0.311	0.439	3.000	
VG625-516B	0.311	0.625	2.427	
VG502-516B	0.312	0.502	2.375	0.502
VG502-1132	0.335	0.502	2.250	0.500
VG502-1132A*	0.341	0.502	1.920	0.530
VG502-1132B*	0.341	0.502	2.500	0.530
VG502-1132C*	0.341	0.502	3.050	0.530
VG502-1132D*	0.342	0.502	2.125	0.530
VG502-1132E*	0.342	0.502	2.375	0.530
VG545-1132*	0.342	0.545	2.010	0.530
VG545-1132A*	0.342	0.545	2.425	0.530
VG502-1132F	0.343	0.502	2.375	
VG502-1132G*	0.343	0.502	2.125	0.530
VG558-1132	0.343	0.558	2.270	0.558
VG545-38*	0.371	0.545	2.425	0.530
VG502-38	0.372	0.502	2.375	
VG620-38	0.373	0.620	2.562	0.530



JPW cast iron guides are made in the USA of premium alloys. Many more sizes available.

## JPW Cast Iron Valve Guides

Part #	ID	OD	Length
140-7715	0.343	0.502	2.125
140-7459	0.343	0.502	2.375
140-7946	0.343	0.502	2.500
140-6106	0.343	0.502	2.750
140-7298	0.373	0.502	2.375
140-7964	0.373	0.502	2.625



# Performance-Pack Valve Train Kits



Our quality **JPW** performance valve train kits give you all the components you need to completely assemble a bare cylinder head. All kits have chromoly steel retainers and master kits feature posi-teflon or posi-viton oil seals. Kits for .600" lift & higher feature +.100" valves. Kits for .630" lift & higher feature **ULTRA FLO** valves. Components have been matched for your particular application. Upgrades and custom kits are available.

## **SMALL BLOCK CHEV**

*\* Items included in 'M' kits only!*

### Hydraulic .500" lift

HK-SBC500	
HK-SBC500-M	
8	1.940" SS Valves
8	1.500" SS Valves
16	Valve Springs (single) 110#@1.700"
16	1.250" Moly Retainers
32	7° HD Keepers
*8	5/16" Guide Plates
*16	3/8" Screw In Studs
*16	Teflon Oil Seals

### Hyd/Mech .550" lift

HK-SBC550	
HK-SBC550-M	
8	2.02"/2.055 SS Valves
8	1.600" SS Valves
16	Valve Springs (single) 130#@1.750"
16	1.250" Moly Retainers
32	7° HD Keepers
*8	5/16" Guide Plates
*16	3/8" Screw In Studs
*16	Teflon Oil Seals

### Mechanical .600" lift

HK-SBC600	
HK-SBC600-M	
8	2.02"/2.05" SS Valves
8	1.6"/1.625" SS Valves
16	Valve Springs (dual) 160#@1.800"
16	1.460" Moly Retainers
32	7° HD Keepers
*8	5/16" Guide Plates
*16	7/16" Screw In Studs
*16	Teflon Oil Seals

### Mech/Roller .630" lift

HK-SBC630	
HK-SBC630-M	
8	2.02"/2.05"/2.08" Valves
8	1.6"/1.625" SS Valves
16	Valve Springs (dual) 160#@1.900"
16	1.500" Moly Retainers
32	7° HD Keepers
*8	5/16" Guide Plates
*16	7/16" Screw In Studs
*16	Teflon Oil Seals

### Solid Roller .700" lift

HK-SBC700	
HK-SBC700-M	
8	2.02"/2.05"/2.08" Valves
8	1.6"/1.625" SS Valves
16	Valve Springs (dual) 190#@1.900"
16	1.500" Moly Retainers
32	10° HD Keepers
*8	5/16" Guide Plates
*16	7/16" Screw In Studs
*16	Teflon Oil Seals

### Solid Roller .730" lift

HK-SBC730	
HK-SBC730-M	
8	2.02"/2.05"/2.08" Valves
8	1.6"/1.625" SS Valves
16	Valve Springs (dual) 225#@1.950"
16	1.500" Moly Retainers
32	10° HD Keepers
*8	5/16" Guide Plates
*16	7/16" Screw In Studs
*16	Teflon Oil Seals

## **BIG BLOCK CHEV**

*\*\*Use longer studs in alum. heads*

### Hydraulic .600" lift

HK-BBC600	
HK-BBC600-M	
8	2.19" SS Valves
8	1.88" SS Valves
16	Valve Springs (dual) 135#@1.800"
16	1.460" Moly Retainers
32	7° HD Keepers
*8	3/8" Guide Plates
*16	7/16" Screw In Studs**
*16	Posi Viton Oil Seals

### Mechanical .650" lift

HK-BBC650	
HK-BBC650-M	
8	2.19" SS Valves
8	1.88" SS Valves
16	Valve Springs (dual) 160#@1.900"
16	1.460" Moly Retainers
32	7° HD Keepers
*8	3/8" Guide Plates
*16	7/16" Screw In Studs**
*16	Posi Viton Oil Seals

### Solid Roller .750" lift

HK-BBC750	
HK-BBC750-M	
8	2.25"/2.30" +.250" Valves
8	1.88 +.100" SS Valves
16	Valve Springs (dual) 235#@2.000"
16	1.625" Moly Retainers
32	10° HD Keepers
*8	3/8" Guide Plates
*16	7/16" Screw In Studs**
*16	Posi Viton Oil Seals

## **SMALL BLOCK FORD**

### Hydraulic .500" lift

HK-SBF500	
HK-SBF500-M	
8	1.940" SS Valves
8	1.500" SS Valves
16	Valve Springs (single) 110#@1.700"
16	1.250" Moly Retainers
32	7° HD Keepers
*8	5/16" Guide Plates
*16	3/8" Screw In Studs
*16	Teflon Oil Seals

### Hyd/Mech .550" lift

HK-SBF550	
HK-SBF550-M	
8	2.02"/2.055 SS Valves
8	1.600" SS Valves
16	Valve Springs (single) 130#@1.750"
16	1.250" Moly Retainers
32	7° HD Keepers
*8	5/16" Guide Plates
*16	3/8" Screw In Studs
*16	Teflon Oil Seals

### Mech/Roller .630" lift

HK-SBF630	
HK-SBF630-M	
8	2.02"/2.05"/2.08" Valves
8	1.6"/1.625" SS Valves
16	Valve Springs (dual) 160#@1.900"
16	1.500" Moly Retainers
32	7° HD Keepers
*8	5/16" Guide Plates
*16	7/16" Screw In Studs
*16	Teflon Oil Seals



# PERFORMAX



## Aluminum Cylinder Heads

- High Grade Aluminum
- Bronze Valve Guides
- Hardened Multi-angle Seats
- Machined for Large Valve Springs
- Tall Intake Ports for Greater Flow

Part#	Description	Chamber	Int. Port	Notes
PC-3002S*	SBC 2.02" X 1.60"	64cc	190cc	S/Plug
PC-3002A*	SBC 2.02" X 1.60"	64cc	190cc	A/Plug
PC-3011*	Vortec 2.02" x 1.60"	64cc	190cc	A/Plug
PC-3021	BBC 2. 25" x 1.88"	115cc	320cc	
PC-3037	SBF 2.02" x 1.60"	60cc	190cc	
PC-3038	SBF 2.02" x 1.60"	60cc	210cc	



**PERFORMAX** heads are available in a package with the Performance-Pack valve train kit of your choice.

\* You can now order the above listed small block Chev heads as a kit with these part numbers:

- HK-SBC550-IE WITH .550" LIFT VALVE TRAIN KIT
- HK-SBC600-IE WITH .600" LIFT VALVE TRAIN KIT
- HK-SBC630-IE WITH .630" LIFT VALVE TRAIN KIT



## Cylinder Head Packages

Performance Pack Valve Train kits are available as a package with the following heads:

- Dart Iron Eagle SS 165cc **HK-SBC500SS**
- Dart Iron Eagle SS 165cc **HK-SBC550SS**

- A** Dart Iron Eagle 180-230cc **HK-SBC550-IE**
- Dart Pro 1 aluminum all **HK-SBC600-IE**
- RHS 23° Lightning all **HK-SBC630-**

Select any cylinder head from **Group A** and any **JPW** Valve Train Kit from **Group B**.

Contact your **JPW** phone salesperson for pricing details. As always, customizing



# PERFORMAX

# SUPER SPORT

**JPW SUPER SPORT** heads feature precision cast ports and chambers combined with extra thick deck surfaces for outstanding reliability at a modest cost. Heads have 3 angle intake and hardened radius exhaust seats, integral guides, bosses threaded for rocker studs & machined valve cover rails. End pads are machined to accept stock accessory brackets.

23° Cast Iron



Part#	Description	Cham.	Int. Port	Notes
1070	SBC 1.94" X 1.50"	72cc	165cc	55-86 std. intake face
1010	SBC 2.02" x 1.60"	72cc	165cc	55-86 std. intake face
4266	SBC 2.02" x 1.60"	67cc	165cc	55-86 self-align rocker
4365	SBC 1.94" X 1.50"	67cc	165cc	87-95 late intake face
4370	SBC 1.94" X 1.50"	67cc	165cc	96-99 Vortec face

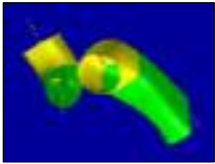


# PERFORMAX CNC



## Aluminum CNC Ported Cylinder Heads

CNC Ported Runner



Actual Mastercam® 3D profile of Performax head.

JPW is now able to offer fully CNC ported heads to you! Our heads are ported by an industry leader. They feature up to date wet flow technology, use the latest Mastercam® profiling software and are machined on dedicated 5 axis machinery.

### SB Chev 23° Aluminum Heads

Part#	Description	Chamber	Int. Port	Notes
KTH-1000	2.02" X 1.60"	72cc*	218cc	A/Plug
KTH-1100	2.08" X 1.60"	72cc*	228cc	A/Plug
KTH-2975	Victor Jr. CNC ported intake manifold			
SS4150-1	HVH 1" tall Super Sucker spacer			
	*can be machined to 64cc			

### Flow Rates

Air Speed: 370-360 ft/sec

LIFT	INT		EXH
	2.08	2.02	1.60
.200	150	153	121
.300	206	205	173
.400	250	252	202
.500	292	284	221
.600	308	290	228
.700	309	292	230



- KTH-KIT1** Bare CNC head castings w/Fel Pro intake gaskets
- KTH-KIT2** KTH-KIT1+Victor Jr. CNC port matched to heads
- KTH-KIT3** KTH-KIT2 + 1" HVH Super Sucker & base gasket

a **Performance-Pack** Valve Train Kit from page 8 make a complete top end package!

Flow rates achieved with KTH-1100 head using V2080UF intake and V1600UF exhaust @28" vacuum on 4.030 bore



## CNC Cylinder Head Packages



Part#	Description	Chamber	Int. Port	Notes
KDT-1000	SBC 2.08" X 1.60"	64cc	227cc	23° AP-std. valve spacing
KDT-2000	BBC 2.30" X 1.88"	119cc	335cc	2° rolled angle-std valve spacing
KDT-2100	BBC 2.30" X 1.88"	119cc	355cc	2° rolled angle-std valve spacing
KDT-1001	SBC Dart CNC ported intake manifold		4150 series carb	
KDT-1002	SBC Dart CNC ported intake manifold		4500 series carb	
KDT-2001	BBC Dart CNC ported intake manifold		4150 series carb	
KDT-2002	BBC Dart CNC ported intake manifold		4500 series carb	
SS4150-1	HVH 1" tall Super Sucker Spacer		4150 series carb	
SS4500-1	HVH 1" tall Super Sucker Spacer		4500 series carb	



### Dart Pro 1 SB Chev CNC Head Package:

- DART-KIT1** Bare Pro 1 CNC castings w/Fel Pro intake gaskets
- DART-KIT2** DART-KIT1+Dart manifold CNC port matched to heads\*
- DART-KIT3** DART-KIT2+1" HVH Super Sucker & base gasket\*  
\*specify 4150 or 4500 series carb

### Dart Pro 1 BB Chev CNC Head Package:

- DART-KIT21** Bare Pro 1 335cc CNC castings w/Fel Pro intake gaskets
- DART-KIT22** DART-KIT21+Dart manifold CNC port matched to heads\*
- DART-KIT23** DART-KIT22+1" HVH Super Sucker & base gasket\*

- DART-KIT24** Bare Pro 1 355cc CNC castings w/Fel Pro intake gaskets
- DART-KIT25** DART-KIT24+Dart manifold CNC port matched to heads\*
- DART-KIT26** DART-KIT25+1" HVH Super Sucker & base gasket\*  
\*specify 4150 or 4500 series carb

### Flow Rates

Lift	KDT-1000		KDT-2000		KDT-2100	
	In	Ex	In	Ex	In	Ex
.200	158	117	174	136	177	136
.300	209	149	245	178	251	178
.400	257	182	306	235	310	235
.500	293	211	353	265	360	265
.600	302	220	383	282	399	282
.700	309	226	401	296	423	296
.800	314	232	406	303	426	303

@28" using Ultra Flo valves