



**RACING VALVES  
VALVETRAIN  
COMPONENTS  
& PISTONS**



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# SPORT COMPACT RACING VALVES AND VALVE SPRING KITS

## BMW S14 16v / S38 24v

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrided	Head Diam	Stem Diam	Length	Black Nitrided		
E30 M3 87-91	37.00mm (std)	6.98mm	123.00mm	BMIVN-1006/L	32.00mm (std)	6.95mm	125.00mm	BMEVI-1006/Long		
	38.00mm(+1.0)		121.40mm	BMIVN-1008	32.50mm(+0.5)		121.40mm	BMEVN-1009		
	38.5mm(+1.5)		121.40mm	BMIVN-1009	32.5mm(+0.5)		126.10	BMEVN-1009/Long		
	38.5mm(+1.5)		123.80mm	BMIVN-1009/Long	33.00mm(+1.0)		123.70mm	BMEVI-1010		
	39.00mm(+2.0)		121.40mm	BMIVN-1010	33.00mm(+1.0)		123.70mm	BMEVN-1010		
	39.00mm(+2.0)		123.80mm	BMIVN-1010/Long	33.00mm(+1.0)		126.10mm	BMEVN-1010/Long		
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-H1000D/S14	29.65	21.85	20.50	15.50	78 @ 35.5	195 @ 10	14.50	20.70	12.80	RET-BMS14-T1+ Seat-H1002
SPR-H1005D/S14	29.65	21.85	20.5	15.50	92 @ 35.5	220 @ 11	14.50	20.70	11.50	RET-BMS14-T1+ Seat-H1002
SPR-H1022D/S14	29.00	21.80	21.00	15.50	110 @ 37.6	220 @ 10	15.50	22.0	11.20	RET-H70/T1 + SEAT-H1002D

## BMW S42/M42/M50/S50/M52

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrided	Head Diam	Stem Diam	Length	Black Nitrided		
1.8/2.5lts(16v) 2.8/3.0lts(24v)	33mm(std)	5.97mm	106.10mm	BMIVN-1030	30.50mm(std)	5.96mm	105.65mm	BMEVI-1030S/Single		
	33mm(std)			BMIVN-1030/Single				BMEVN-1030		
	34mm(+1.0)			BMIVN-1031				BMEVI-1030S/Single		
	34mm(+1.0)			BMIVN-1031/Single				BMEVN-1031		
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-H1000D/BM	29.65mm	21.85mm	20.50mm	15.50mm	84 @ 35.70	220 @ 12	14.50	20.7	11.5	RET-K20A2/T2 + SEAT-BM50 (x24)
SPR-H1005D/BM	29.65	21.85	20.50	15.50	98 @ 35.7	236 @ 12	14.50	20.70	11.50	RET-K20A2/T2 + SEAT-BM50 (x24)
SPR-H100DR/BM	30.20mm	22.20mm	22.20mm	16.80mm	67 @ 35.70	220 @12	17.20	18.50	12.9	RET-K20A2/T2 + SEAT-BM50 (x24)

## BMW S54 24v 3.2 lts

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrided	Head Diam	Stem Diam	Length	Black Nitrided		
M3 / 2002+	35mm(std)	5.97mm	117.50mm	BMIVN-1040	30.5mm(Std)	5.95mm	119.1mm	BMEVN-1040		
	36mm(+1.0)			BMIVN-1045	31.50mm(+1.0)			BMEVI-1045S		
					31.50mm(+1.0)			BMEVN-1045		
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-2521/BM	26.4mm	19.3mm	19.3mm	14.5mm	82 @ 41	186 @ 10	15.5mm	25.5mm	10mm	RET-BM2521/T1 + Factory Seat

## FORD / MAZDA Duratec 2.0 - 2.3lts

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrided	Head Diam	Stem Diam	Length	Black Nitrided		
Focus / Mazda 3	35mm(Std) Flat	5.48mm	103.40mm(Std)or 102.4mm(-1mm)	MAIVN-2301F	30mm(std)Flat	5.48mm	104.7mm(std)or 103.70mm(-1mm)	MAEVN-2301F		
	36mm(+1.0) Dish			MAIVN-2304D	31mm(+1.0)Dish			MAEVI-2304		
	36mm(+1.0)Flat			MAIVN-2304F	31mm(+1.0)Dish			MAEVN-2304D		
	37.5mm(+2.5)			MAIVN-2308	31mm(+1.0)Flat			MAEVN-2304F		
					32mm(+2.0)			MAEVN-2306F		
CAM FOLLOWER	CF-31/2.5+ (+Shims / to be use w 1mm shorter valve									
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPRK-TS/DUR-D1	27.5mm	20mm	20mm	15.2mm	83 @ 35	233 @ 12	14.3mm	20.7mm	12.10mm	RET-TS5.5/T1+Fact Seat + SEAT-DUR1
SPRK-TS/DUR-D2	27.5mm	20mm	20mm	15.2mm	70 @ 36.2	215 @ 12	15.2mm	20.7mm	12.10mm	RET-TS5.5/T1+Fact Seat + SEAT-DUR2
SPRK-TS/DUR-DS	27.5mm	20mm	20mm	15.2mm	55 @ 35	170 @ 12	14.3mm	20.7mm	9.6mm	RET-TS5.5/T1+Fact Seat + SEAT-DUR1

# SPORT COMPACT RACING VALVES AND VALVE SPRING KITS

## FORD ZETEC 2.0 lts DOHC

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited
Focus	32mm(Std)	6.035mm	97.10mm	FIVN-1035	28mm(Std)	6.012mm	96.70mm	FEVN-1035
	33mm(+1.0)			FIVN-1037	29mm(+1.0)			FEVN-1037

## GM ECOTEC 2.0 / 2.2 lts

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
Cavalier /Cobalt /Opel /Vauxhall	35.1mm(std)	5.97mm	102.5mm	GIVN-0010	30.1mm(Std)	5.96mm	101.5mm	GEVN-0010		
	35.6mm(+0.5)			GIVN-0012S	30.6mm(+0.5)			GEVI-0012S		
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-EC3025	26.6mm	19.6mm	19.4mm	14.2mm	76 @ 34.6	217 @ 12.5	15.6mm	19mm	11.3mm	RET-EC3020/T1+SEAT-EC3020
SPR-EC3027	26.6mm	19.6mm	19.6mm	14.2mm	94 @ 34.6	232 @ 12.5	13.9mm	20.7mm	11.1mm	RET-EC3020/T1+SEAT-EC3020
SPR-TS1015/EC	27.5mm	20mm	20mm	15.2mm	78 @ 34.6	229 @ 12.5	13.9mm	20.7mm	12.10mm	RET-TS5.5/T5+SEAT-EC1015+fact seat

SINGLE OR TRIPPLE GROOVE / TITANIUM VALVES PLEASE CALL

## GM VORTEC 4 / 5 / 6 Cyl

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited
2002-2006	39.00mm(+2)	5.97mm	105.30mm	GIVN-3920S	34.00mm(+3.5)	5.96mm	107.9mm	GEVN-3435S

## HONDA ACURA NSX 3.2lts 24V

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
Acura NSX	36.00mm (std)Dish	5.48mm	112.15mm	HIVN-NSX/C1	30.00mm (std)Dish	5.45mm	111.00mm	HEVI-NSX/C1 Inconel		
					30.00mm(std)			HEVN-NSX/C1		
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-H1005D/NSX	29.65	21.85	20.50	15.50	80 @ 36.4	234 @ 12	14.20	20.70	11.50	RET-K20A2/T2 + SEAT-H1020DS
SPR-H100D/NSX	29.70mm	21.90mm	20.50mm	15.50mm	67 @ 36.40	220 @ 12	14.20mm	20.70mm	11.50	RET-K20A2/T2 + SEAT-H1020DS

Use Keepers 2004 or older

## HONDA B16A /B17A /B18C 1.6 /1.7 /1.8 DOHC VTEC

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
GSR /Acura Integra /Del Sol / Civic Si 92-00	33.00mm(std)Dish	5.48mm	102.5mm	HIVN-1000	28.00mm (std)Dish	5.45mm	102.50mm	HEVI-1000 Inconel		
	33.00mm(std)Flat			HIVN-100F	28.00mm (std)Dish			HEVN-1000		
	33.00mm(std)Flat			HIVN-200F	28.00mm (std)Flat			HEVN-100F		
	33.50mm (+0.5)Flat			HIVN-1000F	28.00mm (Std)Flat			HEVN-200F		
	33.50mm(+0.5)Dish			HIVN-1000D	28.50mm (+0.5)dish			HEVI-1001/2		
	34.00mm (+1.0)Dish			HIVN-1001	28.50mm (+0.5)Dish			HEVN-1001D		
	34.00mm (+1.0)Flat			HIVN-1001F	28.50mm (+0.5)Flat			HEVN-1001F		
					28.5mm (+0.5)Dish 29.00mm (+1.0)D orF			HEVI-1001 Inconel HEVN-1001/2 D or F		
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-H1002D	29.05mm	21.85mm	20.5mm	15.5mm	70 @ 33.5	190 @ 12	14mm	19.5mm	10.0mm	RET-K20A2/T2+Fact Seat or Seat-H1002D
SPR-H100DR	30.2mm	22.2mm	22.2mm	16.8mm	85 @ 33.5	266 @ 14	15mm	18.5mm	12.9mm	RET-K20A2/T2+Fact Seat or Seat-H1002D

TITANIUM VALVES PLEASE CALL / Use Keepers 2004 or older

# SPORT COMPACT RACING VALVES AND VALVE SPRING KITS

## HONDA B18A /B18B /B20 1.8lts DOHC Non-VTEC

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
Acura Integra LS /CRV 92-03	31.00mm (std)Dish	6.57mm	105.40mm	HIVN-1004/0	28.00 (std)Dish	6.55mm	105.80mm	HEVN-1004		
	31.50mm (+0.5)Dish			HIVN-1004	28.00mm (std)Dish			HEVN-1004/0		
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-TS1015/LS	27.50mm	20.00mm	20.00mm	15.50mm	77 @ 34.50	211 @ 11	13.80mm	20.70mm	12.10mm	RET-TS66/T1+SEAT-TS/LS-IN+SEAT-TS/ LS-EX

Use Keepers 2004 or older

## HONDA D16A6 /D15B /F22 1.6lts SOHC Non VTEC

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
Civic / CRX 88-92	29.00mm (std) Dish	5.48mm	115.00mm	HIVN-1003	25.00mm (Std) Dish	5.45mm	118.75mm	HEVN-1003		
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-H1003S	22.74mm	15.25mm			73 @ 40.6	192 @ 12.0	13.30mm	27.30mm	9.90mm	RET-H1002/T1 +Exhaust (8)SEAT-H1003E

## HONDA D16Z6 /Y6/Y8 /D17 1.6 1.7lts SOHC VTEC

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
Civic /CRX /Del Sol 92-02	30.00mm (std)Dish	5.48mm	118.50mm	HIVN-1012	26.00mm (std)Dish	5.45mm	116.00mm	HEVN-1012		
	30.50mm (+0.5)Dish			HIVN-1002	26.50mm (+0.5)Dish			HEVN-1002		
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-H1002S	22.70mm	15.20mm			60 @ 49.5	166 @ 12.50	14.90mm	34.60mm	8.50mm	RET-H1002/T1 + Factory Seat

## HONDA H22A 2.2lts VTEC

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
Prelude 93-00	35.00mm (std)Dish	5.48mm	106.85mm	HIVN-1006	30.00mm (std)Dish	5.45mm	106.45mm	HEVI-1006 Inconel		
	35.00mm (std)Flat			HIVN-1006F	30.00mm (std)Dish			HEVN-1006		
	35.50mm (+0.5)Dish			HIVN-1007	30.00mm (std)Flat			HEVN-1006F		
	36.00mm (+1.0)			HIVN-1008	30.50mm (+0.5)Dish			HEVN-1007		
	37.00mm (+2.0)			HIVN-1009	31.00mm (+1.0)Dish			HEVN-1008		
					31.00mm(+1.0)			HEVI-1008		
		31.00mm(+1.0)Dish	HEVI-1008							
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-H1000D	29.65mm	21.85mm	20.50mm	15.50mm	80 @ 35.5	239 @ 12.50	14.80mm	20.70mm	12.80mm	RET-K20A2/T2 + Factory Seat
SPR-H1005D	29.65mm	21.85mm	20.50mm	15.50mm	93@35.5	239@12.5	14.80mm	20.70mm	11.50m	RET-K20A2/T2 + Factory Seat

Use Keepers 2004 or older

## HONDA H23A

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited
Prelude 92-96	34.00mm (std)Dish	6.58mm	103.50mm	HIVN-1040D	29.00mm (std)Dish	6.54mm	102.70mm	HEVN-1040D
	35.00mm (+1.0)Dish	6.58mm	103.50mm	HEVN-1042D	30.00mm (+1.0)Dish			HEVN-1042D

VALVE SPRINGS PLEASE CALL



# SPORT COMPACT RACING VALVES AND VALVE SPRING KITS

## HONDA K20 /K24 2.0lts / 2.4lts DOHC VTEC

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
RSX-S / TSX	35.00mm (std)Dish	5.48mm	108.85mm	HIVN-1020D	30.00mm (std)Dish	5.45mm	108.65mm	HEVI-1020D Inconle		
	35.00mm (std)Flat			HIVN-1020F				HEVN-1020D		
	35.50mm (+0.5)Dish			HIVN-1021D				HEVN-1020F		
	35.50mm (+0.5)Flat			HIVN-1021F				HEVI-1021D Inconel		
	36.00mm (+1.0)Dish			HIVN-1022D				HEVN-1021D		
	36.00mm (+1.0)Flat			HIVN-1022F				HEVN-1021F		
	37.00mm (+2.0)Flat			HIVN-1023F				HEVI-1030D Inconel		
	38.00mm (+3.0)Flat			HIVN-1024F				HEVN-1030D		
										31.00mm (+1.0)Dish
				31.00mm (+1.0)Flat						
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-H1020D	30mm	21.8mm	21.3mm	15.5mm	100 @ 40.4	268 @ 12	14.4mm	26mm	13.2mm	RET-K20A2/T2 + SEAT-H1020D
SPR-H1021D	30mm	21.8mm	21.3mm	15.5mm	92 @ 40.4	253 @ 12	15.50mm	25.5mm	13.4mm	RET-K20A2/T2 + SEAT-H1020D
SPR-H1022D	30mm	21.8mm	21mm	15.5mm	80 @ 40.4	215 @ 12	20.4mm	20.0mm	11.2mm	RET-K20A2/T2 + SEAT-H1020D
SPR-M1007D/K2	28.1mm	20mm	20mm	15.2mm	92 @ 39.8	241 @ 12	15.1mm	24.7mm	12.5mm	RET-K20A3/T1 + SEAT-HKA3
SPR-M1007S/K2	28.1mm	20mm			80 @ 39.8	206 @ 12	15.1mm	24.7mm	10.5mm	RET-K20A3/T1

TITANIUM VALVES PLEASE CALL / Use Keepers 2004 or older

## HONDA S2000 / F20

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
S2000	36.00mm (std)Dish	5.48mm	109.85mm	HIVN-1030D	31.00mm (std)Dish	5.45mm	108.80mm	HEVI-1030D		
	36.00mm (std)Flat			HIVN-1030F				Inconle		
	36.50mm (+0.5)Flat			HIVN-1033F				HEVN-1030D		
	37.00mm (+1.0)Dish			HIVN-1035D				HEVN-1030F		
								HEVI-1033D		
								Inconel		
					31.50mm (+0.5)Dish			HEVN-1033F		
					31.50mm (+0.5)Flat					
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-H1021D	30mm	21.8mm	21.3mm	15.5mm	92 @ 40.4	253 @ 12	14.9mm	25.5mm	13.5mm	RET-K20A2/T2 + SEAT-H1020D
SPR-H1021S	30mm	21.8mm			80 @ 40.4	186 @ 12	14.9mm	25.5mm	8.9mm	RET-K20A2/T2 Req. Factory Seat
SPR-H1022D	29mm	21.8mm	21mm	15.5	80 @ 40.4	215 @ 12	20.4mm	20mm	11.2mm	RET-K20A2/T2 + SEAT-H1020D

TITANIUM VALVES PLEASE CALL / Use keepers 2004 or older

## HONDA ZC / D16A1

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
Integra 88-89	30.50mm (+0.5)Dish	6.57mm	105.40mm	HIVN-1005	27.50mm (+0.5)Dish	6.45mm	105.80mm	HEVN-1005		
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPRK-TS1015/ZC	27.50mm	20.00mm	20.00mm	15.50mm	77 @ 34.5	211 @ 11	13.80mm	20.70mm	12.10	RET-TS66/T1+Seat-TS/LS-EX



# SPORT COMPACT RACING VALVES AND VALVE SPRING KITS

MAZDA MIATA 1.6lts DOHC B6D										
	INTAKE VALVE			Part Number		EXHAUST VALVE			Part Number	
	Head Diam	Stem Diam	Length	Black Nitrided		Head Diam	Stem Diam	Length	Black Nitrided	
Miata / MX 5 90-93	31.00mm (std)	5.96mm	105.35mm	MAIVN-1100(hi flo)		26.20mm (std)	5.94mm	105.35mm	MAEVN-1100	
	31.00mm (std)			MAIVN-1100/2(std flo)		27.20mm (+1.0)			MAEVN-1102	
	32.00mm (+1.0)			MAIVN-1102 (hi flo)						
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPRK-MM16D1	27.50mm	20.00mm	20.00mm	15.20mm	49 @ 36.80	127 @ 10.5	16.10mm	20.70mm	12.10mm	RET-TS60MA2+ SEAT-TS/MA16+fact Seat
SPRK-MM16D2	27.50mm	20.00mm	20.00mm	15.20mm	70 @ 35.5	197 @ 10.5	14.80mm	20.70mm	12.10mm	RET-TS60MA2+SEAT-TS/MA18E+fact seat
SPRK-MM16S	27.50mm	20.00mm			58 @ 34.10	157 @ 10.5	13.40mm	20.70mm	9.40mm	RET-TS60MA2+ SEAT-TS/MA18I+fact seat

MAZDA MIATA 1.8lts DOHC BPD /FORD Escort GT										
	INTAKE VALVE			Part Number		EXHAUST VALVE			Part Number	
	Head Diam	Stem Diam	Length	Black Nitrided		Head Diam	Stem Diam	Length	Black Nitrided	
Miata /MX5 Protege 90-99 /Ford Escort GT 91-96	33.00mm (std)	5.96mm	101.3mm	MAIVN-1201 (hi flo)		28.00mm (std)	5.94mm	101.60mm	MAEVN-1201	
	33.00mm (std)			MAIVN-1204 (hi flo)		28.00mm (std)			MAEVN-1204	
	33.00mm (std)		103.10 (+1.1)		MAIVN-1208 (std flo)				29.00mm (+1.0)	MAEVN-1206
	34.00mm (+1.0)		102.6mm (+0.6)		MAIVN-1206 (hi flo)					
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPRK-MM18S	27.50mm	20.00mm			56 @34.2	154 @ 10.5	13.50mm	20.70mm	9.40mm	RET-TS60/MA2+SEAT-TS/MA18I+fact seat
SPRK-MM8D	27.50mm	20.00mm	20.00mm	15.20mm	74 @ 33.75	177 @ 10.5	13.00mm	20.70mm	12.10mm	RET-TS60/MA2+SEAT-TS/MA18I+fact seat

MAZDA PROTEGE										
	INTAKE VALVE			Part Number		EXHAUST VALVE			Part Number	
	Head Diam	Stem Diam	Length	Black Nitrided		Head Diam	Stem Diam	Length	Black Nitrided	
MX6 2.0 Lts FS	32.50mm (+1mm)	5.97mm	89.9mm	MAIVN-2002		28.6mm (+1mm)	5.96mm	89.9mm	MAEVN-2002	
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-MP20S	25.00mm	18.00mm			58 @ 34.8mm	142 @ 11mm	13.8mm	21.00mm	7.60mm	RET-2500/T1 + Fact Seat
SPR-TC25D	25.00mm	18.00mm	18.00mm	13.00mm	85 @ 34.8mm	223 @ 11mm	13.8mm	21 / 17.00	12.6mm	RET-2500/T1+ SS-3012 +VS-T6SM

MINI COOPER 2002 + 1.6lts TURBO										
	INTAKE VALVE			Part Number		EXHAUST VALVE			Part Number	
	Head Diam	Stem Diam	Length	Black Nitrided		Head Diam	Stem Diam	Length	Black Nitrided	
MINI Cooper S	30.70mm (+0.5)	5.94mm	109.58mm	MCIVN-1005		24.20mm (+1.0)	5.92mm	118.37mm	MCEVN-1007F	
	32.00mm (+1.8)			MCIVN-1008S/singl e		25.50mm (+2.3)			MCEVI-1010FS Inconel	
						25.50mm(+2.3)			MCEVN-1010FS	
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-TS1015/MC	27.50mm	20.00mm	20.00mm	15.20mm	76 @ 34.8	210 @ 11	14.00mm	20.70mm	12.10mm	RET-TS60MA2+SEAT-MC1015D+ fact seat

MITSUBISHI 420A										
	INTAKE VALVE			Part Number		EXHAUST VALVE			Part Number	
	Head Diam	Stem Diam	Length	Black Nitrided		Head Diam	Stem Diam	Length	Black Nitrided	
420A	35.00mm (std)	5.96mm	111.70mm	MIVN-1420		30.70mm (std)	5.95mm	110.00mm	MEVN-1420	
	36.00mm (+1.0)			MIVN-1422		31.70mm (+1.0)			MEVN-1422	
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-TS1015/NE	27.50mm	20.00mm	20.00mm	15.20mm	84 @ 34.6	202 @ 24.6	13.90mm	20.70mm	12.10mm	RET-M60/T1 + Fact Seat



# SPORT COMPACT RACING VALVES AND VALVE SPRING KITS

## MITSUBISHI 4B11 2.0 DOHC

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited
EVO X	35.00mm (std)	5.47	113.25	MIVN-1017	29.00mm (Std)	5.46mm	105.9mm	MEVI-1017
	36.00mm (+1.0)			MIVN-1019	31.00mm(+1.0)			MEVI-1019
CAM FOLLOWER	Cam Followes Coming Soon!!							
Valve Springs Coming Soon!!!								

## MITSUBISHI 4G63 2.0lts DOHC TURBO

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
Eclipse /Talon /Lancer EVO 90-06	34.00mm (std)	6.57mm	109.6mm	MIVN-1007	30.50mm (std)	6.54mm	109.6mm	MEVN-1007		
	34.50mm (+0.5)			MIVN-1008	31.00mm (+0.5)			MEVN-1008		
	35.00mm (+1.0)			MIVN-1009	31.50mm (+1.0)			MEVI-1009 Inconel		
	36.00mm (+2.0)			MIVN-1010	31.50mm (+1.0)			MEVN-1009		
					32.50mm (+2.0)			MEVI-1010 Inconel		
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-M1005D	28.10mm	20.00mm	20.00mm	15.20mm	80 @ 39.6	200 @ 11.5	16.00mm	23.50mm	10.50mm	RET-M65/T1+SEAT-M1007D+VS-H6.6
SPR-M1007D	28.10mm	20.00mm	20.00mm	15.20mm	92 @ 39.6	247 @ 11.5	14.90mm	24.70mm	12.50mm	RET-M65/T1+SEAT-M1007D+VS-H6.6
SPR-M1007S	28.10mm	20.00mm			76 @ 39.6	200 @ 11.5	14.90mm	24.70mm	10.50mm	RET-M65/T1 + fact seat
SPR-M1009D	28.10mm	20.00mm	20.00mm	14.20mm	120 @ 39.6	313 @ 11.5	12.80mm	24.70mm	16.80mm	RET-M65/T2+SEAT-M1009D+VS-H6.6
TITANIUM VALVES PLEASE CALL										

## MITSUBISHI 6GT2 3.0lts V6

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
300 GT 91-98	35.50mm (+0.5)	6.57mm	106.35mm	MIVN-1011	31.00mm (+0.5)	6.54mm	105.5mm	MEVN-1011		
	36.00mm (+1.0)			MIVN-1012	31.50mm (+1.0)			MEVI-1012 Inconel		
					32.50mm (+2.0)			MEVN-1013		
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-M1007S	28.10mm	20.00mm			102 @ 37.15	224 @ 11.5	12.40mm	24.70mm	10.50mm	RET-M65/T1

## NISSAN 350Z /TITAN 5.6lts V8

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
VQ35 6Cyl 24v	37.15mm (std)	5.96mm	96.6mm	NIVN-1025	30.50mm (-0.8)	5.95mm	95.00mm (+1.0)	NEVI-1023 Inconel		
	38.15mm (+1.0)			NIVN-1028	31.35mm (std)		94.00mm	NEVI-1025 Inconel		
					32.35mm (+1.0)			NEVI-1028 Inconel		
CAM FOLLOWER	CF-34/6.5+ (+Shims)									
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-TS1015/N35	27.50mm	20.00mm	20.00mm	15.20mm	82 @ 35	215 @ 11	14.50mm	20.70mm	12.10mm	RET-TS5.5/T6+SEAT-TS1015+fact seat
SPR-TS1015/N352	27.50mm	20.00mm	20.00mm	15.20mm	70 @ 36	200 @ 11	15.50mm	20.70mm	12.10mm	RET-TS5.5/T8-SEAT-TS1015+fact seat
SPR-TS2081/N35	27.50mm	20.00mm			55 @ 35	160 @ 11	14.50mm	20.70mm	9.60mm	RET-TS5.5/T6 + fact Seat

## NISSAN CA18 DET

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited
	34.15mm (std)	5.95mm	88.90mm	NIVN-1001	28.15mm (std)	5.95mm	89.30mm	NEVI-1001

# SPORT COMPACT RACING VALVES AND VALVE SPRING KITS

## NISSAN KA24DE 2.4lts DOHC

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
240 SX /Altima 91-99	36.60mm (std)	6.97mm	101.32mm	NIVN-1009	31.80mm (+0.5)	6.94mm	99.00mm	NEVN-1010		
	37.10mm (+0.5)			NIVN-1010	32.00mm (+0.7)			NEVI-1011 Inconel		
CAM FOLLOWER	CF-34/3.5+ (+Shims 1.5mm to 2.7mm thick)									
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-H1000D/240	29.65mm	21.85mm	20.50mm	15.50mm	96 @ 11.80	240 @ 11.80	14.00mm	20.70mm	12.80mm	RET-H70/T1 + SEAT-H/N240
SPR-H1002D/240	29.05mm	21.85mm	20.50mm	15.50mm	73 @ 34.85	225 @ 11.80	15.30mm	19.50mm	10.00mm	RET-H70/T1 + SEAT-H/N240
SPR-H100DR/240	30.20mm	22.20mm	22.20mm	16.80mm	84 @ 34.85	225 @ 11.80	14.20mm	20.50mm	12.00mm	RET-H70/T1 + SEAT-H/N240

## NISSAN SKYLINE RB20 Hydraulic lifters

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
Skyline RB20 DET	31.10mm (+1mm)	5.97mm	90.7mm	NIVN-1042	27.50mm (+1mm)	5.94mm	89.90mm	NEVI-1042		
CAM FOLLOWER	Fact Hydraulic cam follower									
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-2081/RB20	27.50mm	20.00mm			70@32.8	156@9.00	12.10mm	20.70mm	9.60	RET-NVG1015/T1 +SEAT SS-2820/2.2

## NISSAN SKYLINE RB20 Solid lifter

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
Skyline RB20 DET	31.10mm (+1mm)	5.97mm	107.5mm	NIVN-1042-SL	27.50mm (+1mm)	5.94mm	106.7mm	NEVI-1042-SL		
CAM FOLLOWER	CF-31/3.28+SHIM reduce base circle				CF-31/2.5+ SHIMS standard base circle					
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-TS1015/RB20	27.50mm	20.00mm	20.00mm	15.20mm	75 @35.60	208@ 11	14.90mm	20.70mm	12.10	RET-NVG1015/T1 +SEAT-RB25-E (24)

## NISSAN SKYLINE RB25 DOHC HYDRAULIC LIFERS

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
Skyline RB25 DET	35.15mm (+1mm)	5.97mm	86.75mm	NIVN-1052	30.65mm (+1mm)	5.94mm	89.00mm	NEVI-1052		
CAM FOLLOWER	Factory Hydraulic cam followers									
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-2081/RB25	27.50mm	20.00mm			85 @30.6	171@9	9.90mm	20.70mm	9.60	RET-NVG1015/T1+SEATS+Intake OE

## NISSAN SKYLINE RB25 DOHC SOLID LIFTER CONVERSION

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
Skyline RB25 DET	35.15mm (+1.00)	5.97mm	103.55mm	NIVN-1052-SL	30.65mm (+1.0)	5.94mm	105.80mm	NEVI-1052-SL		
CAM FOLLOWER	CF-31/3.28+SHIM for Reduce base circle				CF-31/2.5+SHIM For standard base circle					
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-TS1015/RB25	27.50mm	20.00mm	20.00mm	15.20mm	83@35	216@11	14.30mm	20.70mm	12.10	RET-NVG1015/T1 +In&EX seats

# SPORT COMPACT RACING VALVES AND VALVE SPRING KITS

## NISSAN SKYLINE RB26 24v DOHC

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
RB26 DET 6Cyl 24v	35.65mm (+1.0)	5.97mm	102.3mm	NIVN-1032	31.15mm (+1.0)	6.94mm	101.6mm	NEVI-1032/7 Inconel		
CAM FOLLOWER	CF-31/2.7 (OE is 3mm thick use OE shim)				OR CF-31/3.28+ (+Supertech Shim /Req. mod. Retaine					
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-M1007D/RB	28.10	20.00	20.00	15.20	CALL	CALL	13.10mm	24.70mm	12.50mm	RET-NRB60/T2 + fact seat
SPR-M1007S/RB	28.10mm	20.00mm			70 @ 40.7	188 @ 11	13.10	24.70	10.50	RET-NRB60/T2 + fact seat
SPR-TS1015/RB	27.50mm	20.00mm	20.00mm	15.20mm	CALL	204 @ 11	12.80mm	20.70mm	12.70mm	RET-NRB60/T2 + SEAT-RB26/4.3

## NISSAN SR20 VE 2.0 lts DOHC

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
	35.50mm (+1mm)	5.97mm	99.70mm	NIVN-1007-VE	31.15mm (+2mm)	5.97mm	100.50mm	NEVI-1007-VE		
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-2035-2022	30.00mm	21.80mm	20.50mm	15.50mm	100@37.30	194@10	15.70	19.50	9.40	RET-NSR20/T1 + fact seat

## NISSAN SR20DE / DET 2.0lts DOHC

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
SX / NX / Sentra /G20 91-98	34.15mm (std)	5.97mm	101.40mm	NIVN-1005	30.15mm	6.94mm (DET)	102.40mm	NEVI-1005/7 Inconel		
	34.65mm (+0.5)			NIVN-1006				NEVN-1005		
	35.15mm (+1.0)			NIVN-1007	NEVN-1006					
				30.65mm (+0.5)	5.94mm	NEVI-1007 Inconel				
				31.15mm (+1.0)	5.94mm	NEVI-1007/7 Inconel				
				31.15mm (+1.0)	6.94mm (DET)	NEVN-1007				
					31.15mm (+1.0)	5.94mm				
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-H1020/SR	30.00mm	21.80mm			75 @ 40.5	168 @ 12	15.00mm	25.50mm	7.80mm	RET-NSR20/T1 + factory seat
SPR-H1020D/SR20	30.00mm	21.80mm	21.30mm	15.50mm	116 @ 40.5	275 @ 12	15.00mm	25.50mm	13.20mm	RET-NSR20/T1+SEAT-SR20/6+SEAT-HN 240
SPR-H1021D/SR20	30.00mm	21.80mm	21.30mm	15.50mm	106 @ 40.5	264 @ 12	13.00mm	25.00mm	13.20mm	RET-NSR20/T1+SEAT-SR20/6+SEAT-HN 240
SPR-H1022D/SR20	30.00mm	21.80mm	20.50mm	15.50mm	95 @ 40.5	230 @ 12	16.00mm	19.50mm	11.20mm	RET-NSR20/T1+SEAT-SR20/6+SEAT-HN 240
TITANIUM VALVES PLEASE CALL										

## NISSAN VG30D 3.0lts DOHC

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
300ZX 90-96	34.50mm (+0.5)	5.97mm	103.15mm	NIVN-1017	30.00mm (+0.5)	5.97mm	103.70mm	NEVI-1017 Inconel		
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-TS1015/2	27.50mm	20.00m	20.00mm	15.20mm	84 @ 35	202 @ 10	14.30mm	20.70mm	12.70mm	RET-NVG1015/T1 + SEAT-1015

# SPORT COMPACT RACING VALVES AND VALVE SPRING KITS

PEUGEOT								
	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited
106 / 206 / 306	28.75mm	5.96mm	104.40mm	PEIVC-28066	24.45mm	5.95mm	104.25mm	PEEVC-28065
	31.30mm	5.96mm	103.80mm	PEIVN-28603	24.50mm	5.96mm	104.40mm	PEEVN-28604
	33.30mm	5.98mm	106.20mm	PEIVN-28594	25.50mm(+1)	5.96mm	104.40mm	PEEVN-28606
	34.10mm	5.97mm	106.50mm	PEIVN-28692	29.00mm	5.97mm	103.35mm	PEEVN-28595
	34.60mm (+.5)	6.98mm	106.40 (tri grv)	PEIVN-28055F	29.60mm	6.96mm	104.90 (tri grv)	PEEVN-28056F
	35.00mm	5.97mm	106.10mm	PEIVN-28704	30.80mm	5.96mm	105.30mm	PEEVN-28693
					31.00mm	5.95mm	102.85mm	PPEVN-28705

SUBARU EJ20 /EJ25 WRX - STi										
	INTAKE VALVE				Part Number	EXHAUST VALVE				Part Number
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
Impreza WRX /STi	36.00mm (std)	5.96mm	104.35mm (std)	SIVN-1010	32.00mm (std)	5.96mm	104.7mm (std)	SEVI-1010 Inconel		
	36.50mm (+0.5)			SIVN-1012	32.00mm (std)			SEVN-1010		
	37.00mm (+1.0)			SIVN-1014	32.50mm (+0.5)			SEVI-1012 Inconel		
			32.50mm (+0.5)	SEVN-1012						
			33.00mm (+1.0)	SEVI-1014 Inconel						
			33.00mm (+1.0)	SEVN-1014						
CAM FOLLOWER	CF-35/2.7+ or CF-35/3.7+ (+Shims +1.5mm to 2.7mm )									
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-TS1015/SU1	27.20mm	20.00mm	20.00mm	15.20mm	70 @ 35.5	209 @ 11.5	13.80mm	21.70mm	12.10mm	RET-TS60/WRX1+SEAT-TS/SUB1
SPR-TS1015/SU3	27.50mm	20.00mm	20.00mm	15.20mm	64 @ 36	199 @ 11.5	15.30mm	20.70mm	12.10mm	RET-TS60/WRX1+SEAT-TS/SUB3
SPR-TS1015/SU4	27.50mm	20.00mm	20.00mm	15.20mm	82 @ 34.25	220 @ 11.5	12.50mm	21.70mm	12.10mm	RET-TS60/WRX1+SEAT-TS/SUB4

SUBARU EJ25 Non TURBO SOHC										
	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
EJ25 - Non TURBO SOHC	36.00mm (std)	5.96mm	105.9mm (std)	SIVN-1016	32.00mm (std)	5.96mm	106.2mm (std)	SEVN-1016		
	37.00mm (+1.0)		108.10mm(Oversize)	SIVN-1015	32.00mm(Std)		106.20mm	SEVI-1016		
					33.00mm (+1.0)		108.35mm(Oversize)	SEVN-1015		
CAM FOLLOWER	CF-35/2.7+ or CF-35/3.7+ (+Shims +1.5mm to 2.7mm )				RET-TS0/STi available for under bucket shim JDM					
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-TS1015/SU5	27.50mm	20.00mm	20.00mm	15.20mm	70 @ 35.5	209 @ 11.5	13.80mm	21.70mm	12.10mm	RET-TS60/WRX1+SEAT-TS/SUB5

SUBARU EZ30 H6										
	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
EZ30 H6 1st Generation	35.00mm (std)Flat	5.48mm	103.4mm	SIVN-2301F	30.50mm (std)	5.45mm	103.25mm	SEVN-1021D		
	36.00mm			SIVN-2304D	31.00mm (+0.5)			SEVN-1030D		
	(+1.0)Dish				31.50mm (+1.0)			SEVN-1033D		
CAM FOLLOWER	CF-34/2.5+ (+Shim 1.5mm to 2.7mm )									
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-TS1015/SV6	27.50mm	20.00mm	20.00mm	15.20mm	63 @ 36.10	184 @ 10	15.20mm	20.70mm	12.10mm	RET-TS5.5/T1 + SEAT-TS/SUB1

SUBARU EZ30 H6										
	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
EZ30 H6 2nd Gen.	35.00mm (std)	5.45mm	99.8mm	CALL	30.50mm (std)	5.45mm	105.25mm	SEVI-1043D Inconel		
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-H1002D(intake)	29.10mm	21.90mm	20.50mm	15.50mm	85 @ 31.9	195 @ 11	12.40mm	19.50mm	10.00mm	RET-H1000/T2+fact seat
SPR-TS1015(exhaust)	27.50mm	20.00mm	20.00mm	15.20mm	60 @ 36.10	193.11	15.40mm	20.70mm	12.10mm	RET-TS5.5/TS+SEAT-TS/SUH6



# SPORT COMPACT RACING VALVES AND VALVE SPRING KITS

## SUZUKI 89-94 DOHC 16v

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited
Swift GTI 1.3 lts	29.50mm (+0.5)	5.50mm (+0.3)	106.45mm (+1.0)	SSIVC-1005 Chrome	24.60mm (+0.5)	5.48mm (+0.3)	105.70mm (+1.0)	SSEVC-1005 Chrome

## TOYOTA 1ZZ-FE

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited
Celica/ Matrix	32.00mm (std)	5.48mm	88.67mm	TIVN-1021	27.50mm (std)	5.46mm	88.74mm	TEVN-1021
CAM FOLLOWER	CF-31/3.28+ (Shims 1.5mm to 2.7mm)							

## TOYOTA 2JZGE /GTE 3.0lts 24v DOHC

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
Supra 94-98	34.00mm (+0.5)	5.98mm	98.55mm	TIVN-1015	29.50mm (+0.5)	5.97mm	99.10mm	TEVN-1015		
	34.50mm (+1.0)			TIVN-1016	30.00mm (+1.0)			TEVI-1016 Inconel		
					30.00mm (+1.0)			TEVN-1016		
CAM FOLLOWER	CF-31/3.28+ (+Shims 1.5mm to 2.7mm)									
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-TS1015	27.50mm	20.00mm	20.00mm	15.20mm	91 @ 33.65	224 @ 11	12.90mm	20.70mm	12.10mm	RET-TS60/T1 + SEAT-TS1015/2+Fact seat
TITANIUM VALVES PLEASE CALL										

## TOYOTA 2TC / 3TC

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited
Corolla 71-82	44.00mm (+3.0)	8.00mm	110mm	TIVN-1063	39.00mm (+3.0)	8.00mm	110mm	TEVN-1063

## TOYOTA 2ZZ-GE

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited
Celica 00+	34.00mm (std)	5.48mm	111.45mm	TIVN-1031	29.00mm (std)	5.46mm	111.65mm	TEVN-1031

## TOYOTA 3SGTE 2.0lts DOHC

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
Celica /MR2 Turbo 90-95	34.00mm (+0.5)	5.98mm	100.50mm	TIVN-1011	29.50mm (+0.5)	5.97mm	99.50mm	TEVN-1015		
	34.50mm (+1.0)			TIVN-1012	30.00mm (+1.0)			TEVI-1016 Inconel		
					30.00mm (+1.0)			TEVN-1016		
CAM FOLLOWER	CF-31/3.28+ (+Shim 1.5mm to 2.7mm)									
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-TS1015/MR	27.50mm	20.00mm	20.00mm	15.20mm	77 @ 35.50	222 @ 12	14.00mm	20.70mm	12.10mm	RET-TS60/MA2

## TOYOTA 4AGE 16v

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
Atlantic /Corolla	30.50mm (std)	5.98mm	99.60mm	TIVN-1019	25.50mm (std)	5.97mm	99.75mm	TEVN-1019		
	32.00mm (+1.5)			TIVN-1020	27.50mm (+2.0)			TEVN-1020		
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-TC25D	25.00mm	18.00mm	18.00mm	13.00mm	73 @ 35.4	202 @ 10.5	14.40mm	21 /17 mm	12.6mm	RET-2500/T1+Seat SS-1324+Seal Vs-N6e
SPR-TC25S	25.00mm	18.00mm			55 @ 35.40	130 @ 10.5	14.40mm	21.00mm	7.60mm	RET-2500/T1+Seat SS-1324

# SPORT COMPACT RACING VALVES AND VALVE SPRING KITS

TOYOTA 4AGE 20v										
	INTAKE VALVE			Part Number		EXHAUST VALVE			Part Number	
	Head Diam	Stem Diam	Length	Black Nitrited		Head Diam	Stem Diam	Length	Black Nitrited	
Corolla	27.50mm (+1.0)	4.96mm	98.6mm	TIVN-1018		27.00mm (+1.0)	4.97mm	108.40mm	TEVN-1018	
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-2095	20.60mm	14.40mm			54 @ 36.6	123 @ 10.5	13.6mm	23.00mm	6.70mm	RET-TC50/T1

TOYOTA 5VZ-FE DOHC										
	INTAKE VALVE			Part Number		EXHAUST VALVE			Part Number	
	Head Diam	Stem Diam	Length	Black Nitrited		Head Diam	Stem Diam	Length	Black Nitrited	
Tacoma / Tundra	34.00mm (std)	5.48mm	95.15mm	TIVN-1040		27.50mm (Std)	5.96mm	94.9mm	TEVN-1040	

TOYOTA 7MGTE 3.0lts 24v										
	INTAKE VALVE			Part Number		EXHAUST VALVE			Part Number	
	Head Diam	Stem Diam	Length	Black Nitrited		Head Diam	Stem Diam	Length	Black Nitrited	
Supra 86-92	32.00mm (+1.0)	5.98mm	98.10mm	TIVN-1007		28.00mm (+0.5)	5.97mm	98.20mm	TEVN-1007	
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-TC25D/24	25.00mm	18.00mm	18.00mm	13.00mm	67@36mm	200 @ 10.5	14.40mm	21.00/17.00	12.60	RET-2500/T1+ Seatbase SS-3012 +VS-N6E
SPR-TC25S/24	25.00mm	18.00mm			51@36mm	131@10.5mm	14.40mm	21.00	7.6	RET-2500/T1+Springbase SS-3012
VALVE SPRING PLEASE CALL										

TOYOTA SCION TC 2AZ-FE										
	INTAKE VALVE			Part Number		EXHAUST VALVE			Part Number	
	Head Diam	Stem Diam	Length	Black Nitrited		Head Diam	Stem Diam	Length	Black Nitrited	
Scion TC	34.00mm (std)	5.48mm	101.85mm	TIVN-1035		29.50mm (std)	5.46mm	101.20mm	TEVN-1035	
	35.00mm (+1)			TIVN-1037		30.50mm (+1)			TEVI-1037	
CAM FOLLOWER	CF-31/3.28+ (+Shim 1.5mm to 2.7mm)									
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-TS1015/TC	27.50mm	20.00mm	20.00mm	15.20mm	81 @ 34	226 @ 12	13.30mm	20.70mm	12.10mm	RET-TS5.5/TC + SEAT-TS/TC

VW 1.8 /2.0lts 16v										
	INTAKE VALVE			Part Number		EXHAUST VALVE			Part Number	
	Head Diam	Stem Diam	Length	Black Nitrited		Head Diam	Stem Diam	Length	Black Nitrited	
Golf /Jetta /GTI /GLI 87-92	32.00mm (std)	6.95mm	95.50mm	VWIVN-1034		27.00mm (std ABF)	7.00mm	98.20mm	VWEVN-1032F	
	32.00mm (std)			VWIVN-1034F (flat)		28.00mm (std KR/9A)			VWEVI-1034	
	32.50mm (+0.5)			VWIVN-1035		28.00mm(std KR/9A)			VWEVI-1034 inconel	
				28.50mm (+0.5)	VWEVI-1035 Inconel					
				28.50mm (+0.5)	VWEVN-1035					
VALVE SPRINGS	Outer Spring		Inner Spring		Pressure		Max lift	Coil Bind	Rate	Titanium Retainer
Part Number	O.D. (mm)	I.D. (mm)	O.D. (mm)	I.D. (mm)	Seat	Open (lift)	mm	mm	lbs/mm	Part Number
SPR-V2091/4	20.60mm	14.40mm			54 @ 36.6	123 @ 10.5	13.60mm	23.00mm	6.70mm	RET-027 (single Groove)



# SPORT COMPACT RACING VALVES AND VALVE SPRING KITS

## VW 1.8 /2.0lts 8v

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
Golf /Jetta /Passat /Beetle 85-03	40.00mm (std)	7.00mm	91.60mm	VWIVN-1014	33.00mm (std)	7.00mm	90.95mm	VWEVN-1014		
	40.00mm (std)		98.60mm	VWIVN-1024	33.00mm (Std)		98.40mm	VWEVN-1024		
	41.00mm (+1.0)		91.60mm	VWIVN-1017	34.00mm (+1.0)		90.95mm	VWEVN-1017		
	41.00mm (+1.0)		98.60mm	VWIVN-1027	34.00mm (+1.0)		98.40mm	VWEVN-1027		
	42.00mm (+2.0)		91.60mm	VWIVN-1019	35.00mm (+2.0)		90.95mm	VWEVN-1019		
<b>VALVE SPRINGS</b>	<b>Outer Spring</b>		<b>Inner Spring</b>		<b>Pressure</b>		<b>Max lift</b>	<b>Coil Bind</b>	<b>Rate</b>	<b>Titanium Retainer</b>
<b>Part Number</b>	<b>O.D. (mm)</b>	<b>I.D. (mm)</b>	<b>O.D. (mm)</b>	<b>I.D. (mm)</b>	<b>Seat</b>	<b>Open (lift)</b>	<b>mm</b>	<b>mm</b>	<b>lbs/mm</b>	<b>Part Number</b>
SPR-V1107	31.10mm	23.10mm	23.10mm	17.40mm	147 @ 34	259 @ 10	12mm	22mm	11.17mm	RET-026 (8mm stem) RET-21 (7mm stem)
SPR-V2091/4	30.40mm	23.20mm	21.90mm	16.50mm	80 @ 33.	208 @ 11.50	14mm	19.00mm	11.20mm	RET-021 (triple groove)+Seat-VW8V-1

## VW 1.8T /2.7T 5v/Cyl

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
VW / Audi	26.90mm (std)	5.96mm	105.09mm	AIVN-1103	29.90mm (std)	5.94mm	103.90mm	AEVI-1103 Inconel		
	26.90mm(std)			AIVN-1103S/ Single	29.90mm (std)			AEVN-1103		
	27.90mm (+1.0)			AIVN-1106S/Single	29.90mm(std)			AEVI-1103S/Single		
					30.90mm(+1.0)			AEVI-1106S/Single		
<b>VALVE SPRINGS</b>	<b>Outer Spring</b>		<b>Inner Spring</b>		<b>Pressure</b>		<b>Max lift</b>	<b>Coil Bind</b>	<b>Rate</b>	<b>Titanium Retainer</b>
<b>Part Number</b>	<b>O.D. (mm)</b>	<b>I.D. (mm)</b>	<b>O.D. (mm)</b>	<b>I.D. (mm)</b>	<b>Seat</b>	<b>Open (lift)</b>	<b>mm</b>	<b>mm</b>	<b>lbs/mm</b>	<b>Part Number</b>
SPR-A2095(intake)	20.60mm	14.40mm			54 @ 36.6	123 @ 10.5	13.60mm	23.00mm	6.70mm	RET-AU5VI/T2 (12)
SPR-H1002D(exhaust)	29.10mm	21.90mm	20.50mm	15.50mm	80 @ 33.2	185 @ 10.5	13.70mm	19.50mm	10.00mm	RET-AU5VE/T1 +SEAT-H1000 (8)

## VW 2.8lts 12v VR6

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
Jetta / GTI / Passat	39.00mm (std)	6.97mm	105.95mm	VWIVN-1007	34.20mm (std)	6.95mm	106.95mm	VWEVN-1007		
	41.00mm (+2.0)			VWIVN-1010	36.00mm (+1.8)			VWEVN-1010		
	42.00mm (+3)			VWIVN-1011						
<b>VALVE SPRINGS</b>	<b>Outer Spring</b>		<b>Inner Spring</b>		<b>Pressure</b>		<b>Max lift</b>	<b>Coil Bind</b>	<b>Rate</b>	<b>Titanium Retainer</b>
<b>Part Number</b>	<b>O.D. (mm)</b>	<b>I.D. (mm)</b>	<b>O.D. (mm)</b>	<b>I.D. (mm)</b>	<b>Seat</b>	<b>Open (lift)</b>	<b>mm</b>	<b>mm</b>	<b>lbs/mm</b>	<b>Part Number</b>
SPR-V2093/4	30.4mm	23.20mm	21.90mm	16.50mm	77 @ 33mm	229 @ 12mm	15.50mm	17.50/14.50	12.70	RET-021 (tri groove) Fact Seat

## VW VR6-R32 24v

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
Golf / GTI 3.2lts	33.15mm(std)	5.97mm	136.40mm	VWIVN-1044SL (6)	30.15mm(std)	5.96mm	136.10mm	VWEVI-1044SL(6)		
	33.15mm(std)		102.5mm	VWIVN-1044SS(6)	30.15mm(std)		102.5mm	VWEVI-1044SS (6)		
<b>VALVE SPRINGS</b>	<b>Outer Spring</b>		<b>Inner Spring</b>		<b>Pressure</b>		<b>Max lift</b>	<b>Coil Bind</b>	<b>Rate</b>	<b>Titanium Retainer</b>
<b>Part Number</b>	<b>O.D. (mm)</b>	<b>I.D. (mm)</b>	<b>O.D. (mm)</b>	<b>I.D. (mm)</b>	<b>Seat</b>	<b>Open (lift)</b>	<b>mm</b>	<b>mm</b>	<b>lbs/mm</b>	<b>Part Number</b>
SPR-TC25D/VR6	25.00mm	18.00mm	18.00mm	13.00mm	80@36mm	231 @ 12mm	13.90mm	21 / 17	12.60mm	RET-K20A3/TC25+Seat-VR624

# CAM FOLLOWERS

CAM FOLLOWERS				
Application	Part Number	Diameter	Length	Pad thickness / Post
Toyota 4AGE	CF-28/3.85+	28mm	23mm	3.85mm+Shim 1.45-3.2
Toyota /Nissan /Mazda Duratec	CF-31/2.5+	31mm	25.5mm	2.5mm + Shim 1.45 -3.2
Toyot/Nissan RB26	CF-31/2.7	31mm	24.8mm	2.7mm
Toyota /Nissan RB26	CF-31/3.28+	31mm	25.5mm	3.28mm+ Shim 1.45 - 3.2
Toyota / Nissan	CF-31/3.78	31mm	25.5mm	3.78mm
Opel/Peugeot oversize	CF-32.5/2.5	32.50mm	23.1mm	2.54mm
BMW	CF-33/14	33mm	26mm	14mm
BMW	CF-33/2.9	33mm	26mm	2.92mm
BMW	CF-33/3.0	33mm	26mm	3.0mm
Generic	CF-33/5.10	33mm	24.5mm	5.10mm
Nissan /Subaru H6 (1st)	CF-34/2.5+	34mm	26mm	2.5mm + Shim 1.45 -3.2
Nissan KA24	CF-34/3.5+	34mm	26mm	3.5mm +Shim 1.45 - 3.2
Nissan 340Z/ VQ35	CF-34/6.5+	34mm	21mm	6.5mm + Shim 1.45 -3.2
VW/ Subaru EJ20-25	CF-35/2.7+	35mm	25mm	2.7mm + Shim 1.45 -3.2
VW/ Subaru	CF-35/2.8	35mm	26mm	2.8mm
VW/ Subaru	CF-35/3.3	35mm	26mm	3.3mm
VW/ Subaru EJ20-25	CF-35/3.7+	35mm	25mm	3.7mm +Shim 1.45 - 3.2
BMW M12/ S14 (long valve) VW	CF-37/3.3	37mm	26mm	3.3mm
BMW M12/ S14 (long valve) VW	CF-37/3.6	37mm	26mm	3.68mm
BMW M12/ S14 (long valve) VW	CF-37/3.9	37mm	26mm	3.90mm

OTHER CAM FOLLOWERS WILL BE ADDED SOON

# CAM FOLLOWER SHIMS

CAM FOLLOWER SHIMS				
Application	Part Number	Diameter	Length	Pad thickness / Post
Cam Follower Shims	CF-SHIM	8.0 mm		1.45mm to 3.20mm (0.05mm increments)

# LASH CAPS

LASH CAPS				
Application	Part Number	Diameter	Length	Pad thickness / Post
Valve Lash Cap	LC-55	5.5 mm		Several Thickness
	LC-60	6.0 mm		
	LC-65	6.5 mm		

# VALVE GUIDES

VALVE GUIDES		
Application	Part Number	Pad thickness / Post
HONDA LS / H23 Exhaust	GDE-H66-E	6.6mm Exhaust valve guide, Manganese Bronze
HONDA LS / H23 Intake	GDE-H66-I	6.6mm Intake valve guide, Manganese Bronze
HONDA B/H SERIES Exhaust	GDE-HB55-E	5.5mm Exhaust valve guide, Manganese Bronze
HONDA B/H SERIES Intake	GDE-HB55-I	5.5mm Intake valve guide, Manganese Bronze
HONDA D SERIES Exhaust	GDE-HDK55-E	5.5mm Exhaust valve guide, Manganese Bronze
HONDA D SERIES Intake	GDE-HDK55-I	5.5mm Intake valve guide, Manganese Bronze
HONDA S2000	GDE-HS255-E	5.5mm Exhaust Valve guide, Manganese Bronze
HONDA S2000 Intake	GDE-HS255-I	5.5mm Intake valve guide, Manganese Bronze
MITSUBISHI 4G63 Exhaust	GDE-MI66-E	6.6mm Exhaust valve guide, Manganese Bronze
MITSUBISHI 4G63 Intake	GDE-MI66-I	6.6mm Intake valve guide, Manganese Bronze
NISSAN SR20DE	GDE-NSR6-E	6mm Exhaust valve guide, Manganese Bronze
NISSAN SR20DET / RB26 Intake	GDE-NSR6-I	6mm Intake Valve guide, Manganese Bronze
NISSAN SR20DET / RB26 Exhaust	GDE-NSR7-E	7mm Exhaust valve guide, Manganese Bronze

VALVE GUIDES ARE PRECISION-MACHINED FROM HIGH QUALITY, MAGNANESE BRONZE MATERIAL

# VALVE SEALS

VALVE SEALS			
Part Number	Application	Guide OD	Seal OD
VS-6NI	Nissan (all) 6mm Intake valve stem seal/Polycr.	10mm/.395"	12.6mm/.495"
VS-H5.5E	Honda B/H/K Series Exhaust Valve stem seal 5.5mm / Viton	11mm/.433"	12.9mm/.507"
VS-H5.5I	Honda B/H/K Series Intake Valve stem seal 5.5mm/Polycr.	11mm/.433"	12.9mm/.507"
VS-H6.6E	Honda LS Exhaust Valve stem seal 6.6 mm. Viton.	12mm/.472"	13.7mm/.540"
VS-H6.6E	Mitsubishi 4G63 reduced OD for Dual Spring	12mm/.472"	13.7mm/.540"
VS-H6.6I	Mitsubishi 4G63 reduced OD for Dual Spring	12mm/.472"	13.7mm/.540"
VS-H6.6I	Honda LS Intake Valve stem seal 6.6 mm/ Polycr.	12mm/.472"	13.7mm/.540"
VS-M6.6E	Mitsubishi 4G63 / 6G72 Exhaust Valve stem seal 6.6 mm / Viton.	12mm/.472"	12mm/.472"
VS-M6.6I	Mitsubishi 4G63 / 6G72 6.6mm Intake Valve size seal / Polycr.	12mm/.472"	12mm/.472"
VS-N6E	Nissan (all) 6mm Exhaust valve stem seal/Viton	10mm/.395"	12.6mm/.495"
VS-N7E	Nissan 7mm (KA24/ SRD0DETT) Exhaust Valve stem seal / Viton	11mm/.435"	14mm/.550"
VS-T5.5E	Toyota Scion TC 2AFE/Celica 1ZZ/2ZZ Exhaust 5.5mm Stem/Viton	10.1mm/.400"	12.5mm/.493"
VS-T5.5I	Toyota Scion TC 2AFE/Celica 1ZZ/2ZZ Intake 5.5mm Stem/Polycr.	10.1mm/.400"	12.5mm/.493"
VS-T6E	Toyota Supra 2JZE 6mm Exhaust Valve stem seal / Viton	11mm/.435"	13.4mm/.529"
VS-T6I	Toyota Supra 2JZE 6mm Intake Valve stem seal / Polycr.	11mm/.435"	13.4mm/.529"
VS-T6SM	6mm Small OD valve stem seal/ Viton	9.4mm/.371"	12.1mm/.478"
VS-TS6E	Toyota (3SGTE/ 4AGE 16v/7MGTE) 6mm Exhaust Valve stem seal/ Viton.	11mm/.435"	13.2mm/.521"
VS-TS6I	Toyota (3SGTE/ 4AGE 16v/7MGTE) 6mm Intake Valve stem seal / Polycr.	11mm/.435"	13.2mm/.521"
VS-TY5I	Toyota 4AGE 20v 5mm stem seal/Polycr.	9.4mm/.371"	11.5mm/.452"
VS-VBM6E	VW - BMW 6mm Exhaust Valve stem seal / Viton	8.8mm/.347"	12.2mm/.480"
VS-VBM6I	VW - BMW 6mm Intake Valve stem seal / Polycr.	8.8mm/.347"	12.2mm/.480"
VS-VW7E	VW 7mm Exhaust Valve stem seal / Viton	9.8mm/.385"	13.2mm/.520"
VS-VW7I	VW 7mm Intake Valve stem seal / Polyacrylic	9.8mm/.385"	13.2mm/.520"
VS-VW8E	VW 8mm Exhaust Valve stem seal / Viton	10.8mm/.425"	14.4mm/.566"
VS-VW8I	VW 8mm Intake Valve stem seal / Polyacrylic	10.8mm/.425"	14.4mm/.566"
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# BLOCK GUARDS

BLOCK GUARDS		
Application	Part Number	Pad thickness / Post
Block Guard for Honda B16a/B18C /B18A	BG-B16	
Block Guard for Honda B20	BG-B20	
Block Guard for D15B - D16Z single cam	BG-D15/D16	
Block Guard For Honda D16A1	BG-D16A1	
Block Guard for Honda D16ZC Integra dual cam	BG-D16ZC	
Block Guard for Honda D17 Single Cam 2002+	BG-D17	
Block Guard for Honda F22 Single Cam	BG-H22/F22	
Block Guard for Honda H22A	BG-H22A	
Block Guard For Honda H22A	BG-K20	
Block Guard For Honda K20	BG-K20	
Block Guard For Honda K24	BG-K24	
Block Guard for Honda S2000	BG-S2000	
Block Guard for Nissan 350z / VQ35DET	BG-VQ35DET	

# PISTONS BREAKTHROUGH PERFORMANCE

FORD ZETEC 2.0 (SVT)												
Bore (mm)	Oversize	Comp. Ratio	Dome/Dish	Head CC's	Comp. Height	Stroke	Rod Length	Pin. Diam	Weight Grams	Piston P/N	Ring P/N	Note
85.00mm	+0.07mm	8.7:1	-9	48	1.161"(29.5mm)	3.465	5.480mm	20mm(.787")	CALL	P4-FZ85-N9	GNH-8500	T/N
85.00mm	+0.07mm	10.6:1	3.5	48	1.161"(29.5mm)	3.465	5.480mm	20mm(.787")	CALL	P4-FZ85-P3	GNH-8500	A/N

HONDA / ACURA B16A DOHC VTEC												
Bore (mm)	Oversize	Comp. Ratio	Dome/Dish	Head CC's	Comp. Height	Stroke	Rod Length	Pin. Diam	Weight Grams	Piston P/N	Ring P/N	Note
81.00mm(81.02mm)	Std	10.5:1	5.9	42.7	1.181"(30mm)	3.047"	5.290"	21mm(.827")	285grs	P4-H81-P6	GNH-8100	A/N
81.00mm(81.02mm)	Std	9.0:1	-2.5	42.7	1.181"(30mm)	3.047"	5.290"	21mm(.827")	241grs	P4-H81-N2	GNH-8100	T/N
81.50mm	+0.5mm	10.5:1	5.9	42.7	1.181"(30mm)	3.047"	5.290"	21mm(.827")	287grs	P4-H815-P6	GNH-8150	A/N
81.50mm	+0.5mm	11:1	7.5	42.7	1.181"(30mm)	3.047"	5.290"	21mm(.827")	265grs	P4-H815-P7	GNH-8150	T/N
81.50mm	+0.5mm	9.0:1	-2.5	42.7	1.181"(30mm)	3.047"	5.290"	21mm(.827")	267grs	P4-H815-N2	GNH-8150	T/N
82.00mm	+1.0mm	10.5:1	5.7	42.7	1.181"(30mm)	3.047"	5.290"	21mm(.827")	290grs	P4-H82-P6	GNH-8200	T/N
82.00mm	+1.0mm	9.0:1	-2.5	42.7	1.181"(30mm)	3.047"	5.290"	21mm(.827")	269grs	P4-H82-N2	GNH-8200	T/N
84.00mm	+3.0mm	8.3:1	-10.3	42.7	1.181"(30mm)	3.047"	5.290"	21mm(.827")	306grs	P4-H84-N10	GNH-8400	T/N
84.00mm	+3.0mm	10.2:1	1.4	42.7	1.181"(30mm)	3.047"	5.290"	21mm(.827")	306grs	P4-H84-p1	GNH-8400	A/N
84.00mm	+3.0mm	11:1	5.5	42.7	1.181"(30mm)	3.047"	5.290"	21mm(.827")	310grs	P4-H84-P5	GNH-8400	A/N

HONDA / ACURA B18A Integra LS Non-VTEC												
Bore (mm)	Oversize	Comp. Ratio	Dome/Dish	Head CC's	Comp. Height	Stroke	Rod Length	Pin. Diam	Weight Grams	Piston P/N	Ring P/N	Note
81.00mm(81.02mm)	std	11.4:1	5.9	45	1.181"(30mm)	3.504"	5.394"	21mm(.827")	285grs	P4-H81-P6	GNH-8100	A/N
81.00mm(81.02mm)	std	9.6:1	-2.5	45	1.181"(30mm)	3.504"	5.394"	21mm(.827")	241grs	P4-H81-N2	GNH-8100	T/N
81.50mm	+0.5mm	11.4:1	5.9	45	1.181"(30mm)	3.504"	5.394"	21mm(.827")	287grs	P4-H815-P6	GNH-8150	A/N
81.50mm	+0.5mm	11.9:1	7.5	45	1.181"(30mm)	3.504"	5.394"	21mm(.827")	265grs	P4-H815-P7	GNH-8150	T/N
81.50mm	+0.5mm	9.6:1	-2.5	45	1.181"(30mm)	3.504"	5.394"	21mm(.827")	267grs	P4-H815-N2	GNH-8150	A/N/T
82.00mm	+1mm	9.6:1	-2.5	45	1.181"(30mm)	3.504"	5.394"	21mm(.827")	269grs	P4-H82-N2	GNH-8200	T/N

HONDA / ACURA B18A Integra LS with B16A Head (+0.3 w/grs head)												
Bore (mm)	Oversize	Comp. Ratio	Dome/Dish	Head CC's	Comp. Height	Stroke	Rod Length	Pin. Diam	Weight Grams	Piston P/N	Ring P/N	Note
81.00mm(81.02mm)	std	11.9:1	5.9	42.7	1.181"(30mm)	3.504"	5.394"	21mm(.827")	285grs	P4-H81-P6	GNH-8100	A/N
81.00mm(81.02mm)	std	10.1:1	-2.5	42.7	1.181"(30mm)	3.504"	5.394"	21mm(.827")	241grs	P4-H81-N2	GNH-8100	T/N
81.50mm	+0.5mm	11.9:1	5.9	42.7	1.181"(30mm)	3.504"	5.394"	21mm(.827")	287grs	P4-H815-P6	GNH-8150	A/N
81.50mm	+0.5mm	12.4:1	7.5	42.7	1.181"(30mm)	3.504"	5.394"	21mm(.827")	265grs	P4-H815-P7	GNH-8150	T/N
81.50mm	+0.5mm	10.1:1	-2.5	42.7	1.181"(30mm)	3.504"	5.394"	21mm(.827")	267grs	P4-H815-N2	GNH-8150	A/N
82.00mm	+1mm	10.1:1	-2.5	42.7	1.181"(30mm)	3.504"	5.394"	21mm(.827")	269grs	P4-H82-N2	GNH-8200	T/N

# PISTONS BREAKTHROUGH PERFORMANCE

HONDA / ACURA B18AC5 VTEC Integra Type R												
Bore (mm)	Oversize	Comp. Ratio	Dome/Dish	Head CC's	Comp. Height	Stroke	Rod Length	Pin. Diam	Weight Grams	Piston P/N	Ring P/N	Note
81.00mm(81.02mm)	std	11.6:1	5.9	42.7	1.181"(30mm)	3.433"	5.429"	21mm(.827")	285grs	P4-H81-P6	GNH-8100	A/N
81.00mm(81.02mm)	std	9.9:1	-2.5	42.7	1.181"(30mm)	3.433"	5.429"	21mm(.827")	241gr	P4-H81-N2	GNH-8100	T/N
81.50mm	+0.5mm	11.6:1	5.9	42.7	1.181"(30mm)	3.433"	5.429"	21mm(.827")	287grs	P4-H815-P6	GNH-8150	A/N
81.50mm	+0.5mm	12.1:1	7.5	42.7	1.181"(30mm)	3.433"	5.429"	21mm(.827")	265grs	P4-H815-P7	GNH-8150	T/N
81.50mm	+0.5mm	9.9:1	-2.5	42.7	1.181"(30mm)	3.433"	5.429"	21mm(.827")	267grs	P4-H815-N2	GNH-8150	A/N/T
82.00mm	+1mm	9.9:1	-2.5	42.7	1.181"(30mm)	3.433"	5.429"	21mm(.827")	267grs	P4-H82-N2	GNH-8200	T/N

HONDA / ACURA B18C1 DOHC VTEC Integra GSR												
Bore (mm)	Oversize	Comp. Ratio	Dome/Dish	Head CC's	Comp. Height	Stroke	Rod Length	Pin. Diam	Weight Grams	Piston P/N	Ring P/N	Note
81.00mm(81.02mm)	Std	11.9:1	5.9	41.5	1.181"(30mm)	3.433"	5.429"	21mm(.827")	285grs	P4-H81-P6	GNH-8100	A/N
81.00mm(81.02mm)	std	10.1:1	-2.5	41.5	1.181"(30mm)	3.433"	5.429"	21mm(.827")	241grs	P4-H81-N2	GNH-8100	T/N
81.50mm	+0.5mm	11.9:1	5.9	41.5	1.181"(30mm)	3.433"	5.429"	21mm(.827")	287grs	P4-H815-P6	GNH-8150	A/N
81.50mm	+0.5mm	12.4:1	7.5	41.5	1.181"(30mm)	3.433"	5.429"	21mm(.827")	265grs	P4-H815-P7	GNH-8150	T/N
81.50mm	+0.5mm	10.1:1	-2.5	41.5	1.181"(30mm)	3.433"	5.429"	21mm(.827")	267grs	P4-H815-N2	GNH-8150	A/N
82.00mm	+1mm	10.1:1	-2.5	41.5	1.181"(30mm)	3.433"	5.429"	21mm(.827")	269grs	P4-H82-N2	GNH-8200	T/N
84.00mm	+3.0mm	9.4:1	-10.3	41.5	1.181"(30mm)	3.433"	5.429"	21mm(.827")	306grs	P4-H84-N10	GNH-8400	
84.00mm	+3.0mm	11.6:1	1.4	41.5	1.181"(30mm)	3.433"	5.429"	21mm(.827")	306grs	P4-H84-P1	GNH-8400	
84.00mm	+3.0mm	12.6:1	5.5	41.5	1.181"(30mm)	3.433"	5.429"	21mm(.827")	310grs	P4-H84-P5	GNH-8400	

HONDA / ACURA B20 with B16A Head (+0.3 w/ GSR B18C head)												
Bore (mm)	Oversize	Comp. Ratio	Dome/Dish	Head CC's	Comp. Height	Stroke	Rod Length	Pin. Diam	Weight Grams	Piston P/N	Ring P/N	Note
84.00mm	std	9.5:1	-10.3	42.7	1.181"(30mm)	3.504"	5.394"	21mm(.827")	306 grs	P4-H84-N10	GNH8400	A/N/T
84.00mm	std	11.5:1	1.4	42.7	1.181"(30mm)	3.504"	5.394"	21mm(.827")	310 grs	P4-H84-P1	GNH8400	A/N
84.00mm	std	12.5:1	5.5	42.7	1.181"(30mm)	3.504"	5.394"	21mm(.827")	306 grs	p4-H84-P5	GNH8400	A/N
84.50mm	+0.5mm	9.5:1	-10.3	42.7	1.181"(30mm)	3.504"	5.394"	21mm(.827")	270 grs	P4-H845-N10	GNH-8450	A/N/T
84.50mm	+0.5mm	11.5:1	1.4	42.7	1.181"(30mm)	3.504"	5.394"	21mm(.827")	306 grs	P4-H845-P1	GNH8450	A/N
84.50mm	+0.5mm	12.5:1	5.5	42.7	1.181"(30mm)	3.504"	5.394"	21mm(.827")	310 grs	P4-H845-P5	GNH8450	A/N
85.00mm	+1.0mm	13.5:1	8	42.7	1.181"(30mm)	3.504"	5.394"	21mm(.827")	322 grs	P4-H85-P8	GNH8500	A/N
85.00mm	+1.0mm	12.5:1	5.5	42.7	1.181"(30mm)	3.504"	5.394"	21mm(.827")	318 grs	P4-H85-P5	GNH8500	A/N
85.00mm	+1.0mm	11.5:1	1.4	42.7	1.181"(30mm)	3.504"	5.394"	21mm(.827")	318 grs	P4-H85-P1	GNH-8500	A/N
85.00mm	+1.0mm	9.5:1	-10.3	42.7	1.181"(30mm)	3.504"	5.394"	21mm(.827")	275 grs	P4-H85-N10	GNH8500	A/N/T
86.00mm	+2.0mm	12.7:1	4.5	42.7	1.181"(30mm)	3.504"	5.394"	21mm(.827")	CALL	P4-H86-P4	GNH8600	A/N
86.00mm	+2.0mm	13.5:1	8	42.7	1.181"(30mm)	3.504"	5.394"	21mm(.827")	322 grs	P4-H86-P8	GNH8600	A/N
86.00mm	+2.0mm	11.5:1	1.4	42.7	1.181"(30mm)	3.504"	5.394"	21mm(.827")	CALL	P4-H86-P1	GNH8600	A/N

# PISTONS BREAKTHROUGH PERFORMANCE

HONDA / ACURA K20A2 (+0.7 w/ K20A3 head)(Gasket 0.030"-deck height: 0.002")												
Bore (mm)	Oversize	Comp. Ratio	Dome/Dish	Head CC's	Comp. Height	Stroke	Rod Length	Pin. Diam	Weight Grams	Piston P/N	Ring P/N	Note
86.00mm	Std (+0.02mm)	9:1	-6	50.7	1.181"(30mm)	3.386"	5.472"	22mm(.866")	227	P4-HK86-N6	GNH-8600	A/N/T
86.00mm	Std (+0.02mm)	12:1	11	50.7	1.181"(30mm)	3.386"	5.472"	22mm(.866")	314	P4-HK86-P11	GNH-8600	A/N
86.00mm	Std	12.5:1	14.8	50.7	1.181"(30mm)	3.386"	5.472"	22mm(.866")	CALL	P4-HK-86-P15	GNH-8601	A/N
86.50mm	+0.5mm	9:1	-6	50.7	1.181"(30mm)	3.386"	5.472"	22mm(.866")	281	P4-HK8650-N6	GNH-8650	A/N/T
86.50mm	+0.5mm	12:1	11	50.7	1.181"(30mm)	3.386"	5.472"	22mm(.866")	316	P4-HK8650-P11	GNH-8650	A/N
86.50mm	+0.5mm	12.5:1	14.8	50.7	1.181"(30mm)	3.386"	5.472"	22mm(.866")	CALL	P4-HK8650-P15	GNH-8650	A/N
87.00mm	+1.0mm	12.5:1	14.8	50.7	1.181"(30mm)	3.386"	5.472"	22mm(.866")	CALL	P4-HK87-P15	GNH-8700	A/N

HONDA / ACURA K24A2 w/K20 Head (Gasket 0.030"-deck height: 0.002")												
Bore (mm)	Oversize	Comp. Ratio	Dome/Dish	Head CC's	Comp. Height	Stroke	Rod Length	Pin. Diam	Weight Grams	Piston P/N	Ring P/N	Note
87.00mm	std	11.5:1	-0.5	50.7	1.181"(30mm)	3.897"	5.984"	22mm(.866")	227	P4-HK87-N10	GNH-8700	A/N
87.00mm	std	12.5:1	4.5	50.7	1.181"(30mm)	3.897"	5.984"	22mm(.866")	312	P4-HK87-P4	GNH-8700	A/N
87.50mm	+0.5	12.5:1	4	50.7	1.181"(30mm)	3.897"	5.984"	22mm(.866")	315	P4-HK875-P4	GNH-8750	A/N
88.00mm	1mm	12.5:1	3.5	50.7	1.181"(30mm)	3.897"	5.984"	22mm(.866")	317	P4-HK88-P4	GNH-8800	A/N

HONDA CIVIC D16Z6												
Bore (mm)	Oversize	Comp. Ratio	Dome/Dish	Head CC's	Comp. Height	Stroke	Rod Length	Pin. Diam	Weight Grams	Piston P/N	Ring P/N	Note
75.50mm	0.5mm+	8.8:1	-12.5	34.6	1.173"(29.8mm)	3.543"	5.394"	19mm(.748")	220grs	P4-HD755-N12	GNH-7550	A/N/T
75.50mm	0.5mm+	10.5:1	-3	34.6	1.173"(29.8mm)	3.543"	5.394"	19mm(.748")	231grs	P4-HD755-N3	GNH-7550	A/N

MAZDA Miata 1.6lts (gasket + Deck height 0.060)												
Bore (mm)	Oversize	Comp. Ratio	Dome/Dish	Head CC's	Comp. Height	Stroke	Rod Length	Pin. Diam	Weight Grams	Piston P/N	Ring P/N	Note
78.50mm	+0.5mm	8.5:1	-13	36	1.244"(31.6mm)	3.287"	5.228"	20mm(.787")	Call	P4-MA7850-N13	GNH-7850	T/N

MAZDA Miata 1.8lts (gasket + Deck height 0.060)												
Bore (mm)	Oversize	Comp. Ratio	Dome/Dish	Head CC's	Comp. Height	Stroke	Rod Length	Pin. Diam	Weight Grams	Piston P/N	Ring P/N	Note
83.50mm	+0.5	8.6:1	-4	50	1.201"(30.5mm)	3.346"	5.228"	20mm(.787")	Call	P4-MA8350-N4	GNH-8350	
83.50mm	+0.5mm	11:1	10.5	50	1.201"(30.5mm)	3.346"	5.228"	20mm(.787")	Call	-MA8350-P10	GNH-8350	
84.00mm	+1.0mm	8.6:1	10.5	50	1.201"(30.5mm)	3.346"	5.228"	20mm(.787")	Call	P4-MA84-N4	GNH-8400	
84.00mm	+1.0mm	11:1	-4	50	1.201"(30.5mm)	3.346"	5.228"	20mm(.787")	Call	P4-M84-P10	GNH-8400	

# PISTONS BREAKTHROUGH PERFORMANCE

MAZDA/FORD Duratec 2.3lts (2.0lts)(Gasket 0.017"-Deck height:0.0435")												
Bore (mm)	Oversize	Comp. Ratio	Dome/Dish	Head CC's	Comp. Height	Stroke	Rod Length	Pin. Diam	Weight Grams	Piston P/N	Ring P/N	Note
87.50mm	Std	11.6:1 (10.4)	-2	42	1.122"(28.50mm)	3.700"	6.094"	21mm(.827")	300grs	P4-DU875-N2	GNH-8750	A/N
87.50mm	Std	12.5:1 (11.2)	1.5	42	1.122"(28.50mm)	3.700"	6.094"	21mm(.827")	CALL	P4-DU875-P1	GNH-8750	A/N
87.50mm	Std	14:1 (12.5)	7.8	42	1.122"(28.50mm)	3.700"	6.094"	21mm(.827")	295grs	P4-DU875-P7	GNH-8750	A/N
87.50mm	Std	9:1 (8)	-20	42	1.122"(28.50mm)	3.700"	6.094"	21mm(.827")	277grs	P4-DU875-N20	GNH-8750	T/N
88.00mm	+0.5mm	14.1:1 (12.6)	7.8	42	1.122"(28.50mm)	3.700"	6.094"	21mm(.827")	303grs	P4-DU88-P7	GNH-8800	A/N
88.00mm	+0.50m	12.5:1 (11.3)	1.5	42	1.122"(28.50mm)	3.700"	6.094"	21mm(.827")	308grs	P4-DU88-P1	GNH-8800	A/N
88.00mm	+0.5mm	11.6:1 (10.5)	-2	42	1.122"(28.50mm)	3.700"	6.094"	21mm(.827")	303grs	P4-DU88-N2	GNH-8800	A/N
88.00mm	+0.5mm	9.1:1 (8.1)	-20	42	1.122"(28.50mm)	3.700"	6.094"	21mm(.827")	283grs	P4-DU88-N20	GNH-8800	T/N
89.00mm	+1.5mm	12.5:1 (11.2)	0.5	42	1.122"(28.50mm)	3.700"	6.094"	21mm(.827")	303grs	P4-DU89-P1	GNH-8900	A/N
90.00mm	+2.5mm	12.5:1 (11.2)	-2	42	1.063"(27.0mm)	3.819"	6.094"	21mm(.827mm)	296grs	P4-DU900-N2	GNH-9000	A/N
91.00mm	+3.5mm	9:1 (8.1:1)	-24	42	1.122"(28.50)	3.700"	6.094"	21mm(.827mm)	Call	P4-DU91-N24	GNH-9100	T/N
91.00mm	+3.5mm	12.3:1 (11)	-2	42	1.122"(28.50mm)	3.700"	6.094"	21mm(.827")	Call	P4-DU91-N2	GNH-9100	A/N
92.00mm	+4.5mm	12.2:1 (10.8)	-4	42	1.122"(25.50mm)	3.700"	6.094"	21mm(.827mm)	377grs	P4-DU91-N	GNH-9200	A/N

MITSUBISHI 4G63 2nd Gen. (for EVO8 add +0.5 to C.R.)(gasket 0.042"-Deck hei												
Bore (mm)	Oversize	Comp. Ratio	Dome/Dish	Head CC's	Comp. Height	Stroke	Rod Length	Pin. Diam	Weight Grams	Piston P/N	Ring P/N	Note
85.50mm	+0.5	9:1	-9.5	47	1.378"(35mm)	3.465"	5.905"	22mm(.866")	303grs	P4-2MI8550-N9	GNH-8550	T/N
85.5mm	+0.5	8.3:1	-15	47	1.378"(35mm)	3.465"	5.905"	22mm(.866")	299grs	P4-2MI8550-N15	GNH-8550	T/N

NISSAN 240 SX 95-98 / KA24DE												
Bore (mm)	Oversize	Comp. Ratio	Dome/Dish	Head CC's	Comp. Height	Stroke	Rod Length	Pin. Diam	Weight Grams	Piston P/N	Ring P/N	Note
89.00mm	Std	10.5:1	-11	46	1.339"(34mm)	3.780"	6.496"	21mm(.827")	395grs	P4-N8900-N11	GNH-8900	A/N/T
89.50mm	+0.5	8.4:1	-29	46	1.339"(34mm)	3.780"	6.496"	21mm(.827")	395grs	P4-N8950-N29	GNH-8950	T/N
89.50mm	+0.5	8.6:1	-27	46	1.339"(34mm)	3.780"	6.496"	21mm(.827")	CALL	P4-N8950-N27	GNH-8950	T/N
89.50mm	+0.5	9:1	-23	46	1.339"(34mm)	3.780"	6.496"	21mm(.827")	389grs	P4-N8950-N23	GNH-8950	T/N
89.50mm	+0.5	10.5:1	-11	46	1.339"(34mm)	3.780"	6.496"	21mm(.827")	389grs	P4-N8950-N11	GNH-8950	A/N/T

NISSAN 350Z VQ35 (gasket + Deck height 0.082)												
Bore (mm)	Oversize	Comp. Ratio	Dome/Dish	Head CC's	Comp. Height	Stroke	Rod Length	Pin. Diam	Weight Grams	Piston P/N	Ring P/N	Note
95.50mm	Std	8.8:1	-10	57	1.168"(29.6mm)	3.205"	5.669"	22mm(.866")	370	P6-N35-955-N10	GNH-9550	T/N
96.00mm	+0.5mm	8.8:1	-10	57	1.168"(29.6mm)	3.205"	5.669"	22mm(.866")	370	P6-N35-96-N10	GNH-9600	T/N

# PISTONS BREAKTHROUGH PERFORMANCE

NISSAN CA18DET												
Bore (mm)	Oversize	Comp. Ratio	Dome/Dish	Head CC's	Comp. Height	Stroke	Rod Length	Pin. Diam	Weight Grams	Piston P/N	Ring P/N	Note
83.50mm	+0.5mm	8.5:1	FT(-0.9)	53	1.181"(30mm)	3.291"	5.236"	20mm(.787")	292	P4-NC18-835-85	GNH-8350	T/N
84.00mm	+1.0mm	8.5:1	FT(-0.9)	53	1.181"(30mm)	3.291"	5.236"	20mm(.787")	296	P4-NC18-84-85	GNH-8400	T/N

NISSAN RB20 2.0 lts												
Bore (mm)	Oversize	Comp. Ratio	Dome/Dish	Head CC's	Comp. Height	Stroke	Rod Length	Pin. Diam	Weight Grams	Piston P/N	Ring P/N	Note
78.50mm	+0.5mm	8.5:1	1.3		32mm			21mm	277	P6-RB20/78.5-85	GNH-R7850	

NISSAN RB25 2.5 lts												
Bore (mm)	Oversize	Comp. Ratio	Dome/Dish	Head CC's	Comp. Height	Stroke	Rod Length	Pin. Diam	Weight Grams	Piston P/N	Ring P/N	Note
86.50mm	+0.5	9:1	15.5	64	1.24"(31.5mm)	2.822"	4.783"	21mm(.866")	349	P6RB25/86.6CR9	GNH8650	T/N

NISSAN RB26 2.6 lts												
Bore (mm)	Oversize	Comp. Ratio	Dome/Dish	Head CC's	Comp. Height	Stroke	Rod Length	Pin. Diam	Weight Grams	Piston P/N	Ring P/N	Note
86.50mm	+0.5	8.5:1	15.5	70	1.181"(30mm)	2.901"	4.783"	21mm(.827")	347grs	P6-RB26/86.5-85	GNH-8650	T/N

NISSAN SR20DET												
Bore (mm)	Oversize	Comp. Ratio	Dome/Dish	Head CC's	Comp. Height	Stroke	Rod Length	Pin. Diam	Weight Grams	Piston P/N	Ring P/N	Note
86.50mm	+0.5mm	9:1	-10	46	1.25"(32mm)	3.386"	5.366"	22mm(.866")	303	P4-NS20/86.5-9	GNH-8650	T/N
87.00mm	+1.0mm	9:1	-10	46	1.25"(32mm)	3.386"	5.366"	22mm(.866")	306	P4-NS20/87-9	GNH-8700	T/N
87.50mm	+1.5mm	9:1	-10	46	1.25"(32mm)	3.386"	5.366"	22mm(.866")	306	P4-NS20/87.5-9	GNH-8750	T/n

SUBARU H6 EZ30 (gasket:0.60mm /piston deck height: 0.38mm)												
Bore (mm)	Oversize	Comp. Ratio	Dome/Dish	Head CC's	Comp. Height	Stroke	Rod Length	Pin. Diam	Weight Grams	Piston P/N	Ring P/N	Note
89.20mm	std	8.5:1	-18	42	1.193"(30.3mm)	3.149"	Std	22mm(.866")	321grm	P6-SU8920-N18	Factory	T/N

SUBARU WRX EJ20 (gasket:0.60mm / Piston deck height:1.48mm)												
Bore (mm)	Oversize	Comp. Ratio	Dome/Dish	Head CC's	Comp. Height	Stroke	Rod Length	Pin. Diam	Weight Grams	Piston P/N	Ring P/N	Note
92.00mm	Std	8.3:1	-5	48	1.279"(31.5mm)	2.952"	5.137"	23mm(.905")	380grs	P4-SU9200-N5	SWF-20062-0	T/N
92.50mm	+0.5	8.3:1	-5	48	1.279"(31.5mm)	2.952"	5.137"	23mm(.905")	390grs	P4-SU9250-N5	SWF-20062-2	T/N

# PISTONS BREAKTHROUGH PERFORMANCE

## SUBARU WRX STI EJ25 2004 (gasket:0.60mm/Piston deck height: 0.38mm)

Bore (mm)	Oversize	Comp. Ratio	Dome/Dish	Head CC's	Comp. Height	Stroke	Rod Length	Pin. Diam	Weight Grams	Piston P/N	Ring P/N	Note
100.00mm	+0.5mm	8.2:1	-20.5	56	1.208"(30.7mm)	3.110"	5.137"	23mm(.905")	400grs	P4-SU100-N19	SWF-20066-2	T/N
99.50mm	Std	8.2:1	-20.5	56	1.208"(30.7mm)	3.110"	5.137"	23mm(.905")	390grs	P4-SU9950-N19	SWF-20066	T/N

## TOYOTA COROLLA 2TC

Bore (mm)	Oversize	Comp. Ratio	Dome/Dish	Head CC's	Comp. Height	Stroke	Rod Length	Pin. Diam	Weight Grams	Piston P/N	Ring P/N	Note
86.00mm	+1.0	13.8:1	34	63	1.535"(39mm)	2.756"	4.835"	22mm(.866")	360grs	P4-T2TC86-13.8	GNH-8600	A/N
86.00mm	+1.0	10:1	34	63	1.535"(39mm)	2.756"	4.835"	22mm(.866")	360grs	P4-T2TC86-10	GNH-8600	A/N
87.00mm	+2.0	10:1	34	63	1.535"(39mm)	2.756"	4.835"	22mm(.866")	365grs	P4-T2TC87-10	GNH-8700	A/N
88.00mm	+3.0	13.8:1	34	63	1.535"(39mm)	2.756"	4.835"	22mm(.866")	370grs	P4-T2TC88-13.8	GNH-8800	A/N

## TOYOTA COROLLA 3TC

Bore (mm)	Oversize	Comp. Ratio	Dome/Dish	Head CC's	Comp. Height	Stroke	Rod Length	Pin. Diam	Weight Grams	Piston P/N	Ring P/N	Note
88.00mm	+3.0	13.8:1	34	63	1.377"(3.070mm)	3.070"	4.835"	22mm(4.835")	370grs	P4-T3TC88-13	GNH-8800	A/N



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3580 Charter Park Dr., San Jose, CA. 95136  
Phone: (408) 448-2001 Fax: (408) 448-3700

**Ph. 1300 350 351 Fax. 1300 350 454 Web: [www.fabre.com.au](http://www.fabre.com.au)**

