

# 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 Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
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)		123.70mm	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 Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
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/Single				BMEVI-1031S/Single		
								BMEVN-1031		
					31.50mm(+1.0)					
					31.50mm(+1.0)					
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-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 S50 B30 EURO VERSION

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited
E35 M3 3.0lts	34.00mm (std)	6.97mm	121.00mm	BMIVN-1036	30.60mm(std)	6.96mm	119.75mm	BMEVI-1036

## BMW S54 24v 3.2 lts

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
M3 / 2002+	35mm(std)	5.97mm	117.50mm	BMIVN-1040	30.5mm(std)	5.95mm	119.1mm	BMEVI-1040S		
	35mm(std)			BMIVN-1040S	30.5mm(Std)			BMEVN-1040		
	36mm(+1.0)			BMIVN-1045S	31.50mm(+1.0)			BMEVI-1045S		
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

# SPORT COMPACT RACING VALVES AND VALVE SPRING KITS

FORD / MAZDA Duratec 2.0 - 2.3Lts										
	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
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)	MAEVI-2301F		
	36.75m(+1.75)Flat			MAIVN-2306F	31mm(+1.0)Dish			MAEVI-2304		
	36mm(+1.0) Dish			MAIVN-2304D	31mm(+1.0)Dish			MAEVI-2304D		
	36mm(+1.0)Flat			MAIVN-2304F	31mm(+1.0)Flat			MAEVI-2304F		
					32mm(+2.0)			MAEVI-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

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	GEVI-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		
					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										

# SPORT COMPACT RACING VALVES AND VALVE SPRING KITS

## 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			HEVI-1001 Inconel			
					29.00mm (+1.0)D orF		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

## 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
SPR-TS2081/LS	27.50mm	20.00mm			54@34.5	152 @ 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		
	31.00mm (+1)dish			HIVN-1102	27.00mm (+1)dish			HEVI-1102		
	32.00mm (+2)dish			HIVN-1112						
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

# SPORT COMPACT RACING VALVES AND VALVE SPRING KITS

## 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

## 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 Inconel		
	35.00mm (std)Flat			HIVN-1020F	30.00mm (std)Dish			HEVN-1020D		
	35.50mm (+0.5)Dish			HIVN-1021D	30.00mm (std)Flat			HEVN-1020F		
	35.50mm (+0.5)Flat			HIVN-1021F	30.50mm (+0.5)Dish			HEVI-1021D Inconel		
	36.00mm (+1.0)Dish			HIVN-1022D	30.50mm (+0.5)Dish			HEVN-1021D		
	36.00mm (+1.0)Flat			HIVN-1022F	30.50mm (+0.5)Flat			HEVN-1021F		
	36.50mm(+1.5)Flat			HIVN-1022.5F	31.00mm (+1.0)Dish			HEVI-1030D Inconel		
	37.00mm (+2.0)Flat			HIVN-1023F	31.00mm (+1.0)Dish			HEVN-1030D		
					31.00mm (+1.0)Flat			HEVN-1030F		
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-H1007BE-1	28.00mm	18.80mm	24.20mm	14.50mm	75 @ 39	230 @ 12	16.20mm	22.80mm	12.70mm	RET-H55BE-T1 + SEAT-HKBE1
SPR-H1007BE-2	28.00mm	18.80mm	24.20mm	14.50mm	90 @ 37.8	248 @ 12	15.00mm	22.80mm	12.70mm	RET-H55BE-T1+ SEAT-HKBE2
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	95 @ 40.4	253 @ 12	15.50mm	22.7mm	13.4mm	RET-K20A2/T2 + SEAT-H1020D
SPR-H1022D	30mm	21.8mm	21mm	15.5mm	80 @ 40.4	215 @ 12	18.30mm	22.00mm	11.2mm	RET-K20A2/T2 + SEAT-H1020D
SPR-M1007D/K2	28.1mm	20mm	20mm	15.2mm	82 @ 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

# SPORT COMPACT RACING VALVES AND VALVE SPRING KITS

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 Inconle	
	36.00mm (std)Flat				HIVN-1030F					
	36.50mm (+0.5)Flat				HIVN-1033F					
	37.00mm (+1.0)Dish				HIVN-1035D	31.00mm (std)Flat				HEVN-1030D HEVN-1030F HEVI-1033D Inconel HEVN-1033F
						31.50mm (+0.5)Dish				
					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 @ 40.40	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

LANCIA / ALFA ROMEO										
	INTAKE VALVE				Part Number	EXHAUST VALVE				Part Number
	Head Diam	Stem Diam	Length		Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited	
Delta Integrale 2.0 / 155 Q4	34.40mm	6.98mm	128.80mm		LIVN-1001	28.4mm	6.97mm	126.0mm	LEVI-1001	

MAZDA MIATA 1.6lts DOHC B6D										
	INTAKE VALVE				Part Number	EXHAUST VALVE				Part Number
	Head Diam	Stem Diam	Length		Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited	
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

# SPORT COMPACT RACING VALVES AND VALVE SPRING KITS

## MAZDA MIATA 1.8lts DOHC BPD /FORD Escort GT

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
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)			103.10mm (+1.1)	MAEVN-1204		
	33.00mm (std)		103.10 (+1.1)	MAIVN-1208 (std flo)	29.00mm (+1.0)		12.60mm (+0.6)	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-1012-M18D	27.50mm	20.00mm	20.00mm	15.20mm	63 @ 34.2	164 @ 10.5	14.20mm	20.00mm	9.60mm	RET-TS60/MA2+SEAT-TS/MA18I+fact seat
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 Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
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 Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
MINI Cooper S	30.70mm (+0.5)	5.94mm	109.58mm	MCIVN-1005	24.20mm (+1.0)	5.92mm	118.37mm	MCEVN-1007F		
					24.20mm(+1.0)			MCEVI-1007FS		
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-EC3025D/MC	26.60mm	19.60mm	19.40mm	14.20mm	70 @ 34.2	215 @ 11	14.10mm	20.70mm	12.8mm	RET-EC3020/T1+SEAT-MC1015D+OEM+KPR6S/7
SPR-EC3027D/MC	26.60mm	19.60mm	19.40mm	14.20mm	95 @ 34.20	220 @ 11	14.10mm	20.70mm	11.30mm	RET-EC3020/T1+SEAT-MC1015D+OEM+KPR6S/7
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 Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
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	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/MEX2	27.50mm	20.00mm	20.00mm	15.20mm	75 @ 35.30	215 @ 11.50	12.50mm	20.70mm	12.10	RET-TS55/T1EX + SEAT-M1015-1 +OEM
SPR-TS1015/MEX3	27.50mm	20.00mm	20.00mm	15.20mm	85 @ 35.30	228 @ 11.50	12.50mm	20.70mm	12.10	RET-TS55/T1EX + SEAT-M1015-2 + OEM
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-M1007BE-1	28.00mm	18.80mm	24.20mm	14.50mm	80 @ 38.6	230 @ 11.5	15.30mm	22.80mm	12.70mm	RET-M65-TBE+SEAT-M65BE-1
SPR-M1007BE-2	28.00mm	18.80mm	24.20mm	14.50mm	95 @ 37.2	248 @ 11.5	14.00mm	22.80mm	12.70mm	RET-M65-TBE + SEAT-M65BE-2
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-M1005S	28.10mm	20.00mm			92@37.15	207 @ 11.5	13.60mm	23.50mm	10.00mm	RET-M65/T1
SPR-M1007BE	28.00mm	18.80mm	24.20	14.50	92 @ 37.15	2240 @ 11.5	14.35mm	22.80mm	12.70mm	RET-M65-TBE + OEM
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	94.00mm	95.00mm (+1.0)	NEVI-1023 Inconel	
	38.15mm (+1.0)			NIVN-1028	31.32mm (std)			NEVN-1025		
					31.35mm (std)			NEVI-1025 Inconel		
					32.32mm (+1.0)			NEVN-1028		
					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

# SPORT COMPACT RACING VALVES AND VALVE SPRING KITS

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		
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-TS1012/NCA	27.50	20.00	20.00	15.20	73 @ 35	175 @ 10	15.00	20.00	10.20	RET-NVG1015/T1 + OEM seat
SPR-TS1015/NCA	27.50	20.00	20.00	15.20	82 @ 10	207 @ 10	14.30	20.7	12.50	RET-NVG1015/T1 + OEM seat

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 PULSAR										
	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
GTi-R RNN14	35.15mm	5.97mm	102.10mm	NIVN-1017GTIR	31.15mm	6.94mm	103.00mm	NEVI-1017GTIR		
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/GTIR	29.65mm	21.85mm	20.50mm	15.50mm	75 @ 10	190 @ 10	17mm	21.50mm	11.50mm	RET-NSR20/T1 + OE seat

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

# SPORT COMPACT RACING VALVES AND VALVE SPRING KITS

## 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

## 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		
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

# SPORT COMPACT RACING VALVES AND VALVE SPRING KITS

## 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-TS1012/2	27.50mm	20.00mm	20.00mm	15.20mm	74 @ 35	192 @ 10	14.30mm	20.70mm	12.70mm	RET-NVG1015/T1 + SEAT-1015
SPR-TS1015/2	27.50mm	20.00mm	20.00mm	15.20mm	84 @ 35	202 @ 10	14.30mm	20.70mm	12.70mm	RET-NVG1015/T1 + SEAT-1015

## NISSAN VR38DETT

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
3.8L V6 24v	38.15mm(+1)	5.96mm	95.00mm	NIVN-1062	33.15mm(+1)	5.95mm	92.00mm	NEVI-1062		
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-TS1012/GRT (exh)	27.50	20.00	20.00	15.20	80 @ 34.2	185 @ 10	14.50	20.00	10.50	RET-TS5.5/T9 + SEAT-TS/GTR
SPR-TS1012/GTR (int)	27.50	20.00	20.00	15.20	60 @ 36	166 @ 10	16.00	20.00	10.50	RET-TS5.5/T8 - SEAT-TS/GTR
SPR-TS1015/GTR (Exh)	27.50	20.00	20.00	15.20	90 @ 34.2	212 @ 10	14.00	20.70	12.10	RET-TS5.5/T9 + SEAT/GTR
SPR-TS1015/GTR (int)	27.50	20.00	20.00	15.50	70 @ 36	190 @ 10	16.00	20.70	12.10	RET-TS5.5/T8 +SEAT/GTR

## 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	31.30mm	5.96mm	103.80mm	PEIVN-28603	24.45mm	5.95mm	104.25mm	PEEVC-28065
	33.30mm	5.98mm	106.20mm	PEIVN-28594	24.5	5.96	104.40mm	PEEVI-28066
	34.10mm	5.97mm	106.50mm	PEIVN-28692	24.50mm	5.96mm	104.40mm	PEEVN-28604
	34.60mm (+.5)	6.98mm	106.40 (tri grv)	PEIVN-28055F	25.50mm(+1)	5.96mm	104.40mm	PEEVN-28606
	35.00mm	5.97mm	106.10mm	PEIVN-28704	29.00mm	5.97mm	103.35mm	PEEVN-28595
					29.60mm	6.96mm	104.90 (tri grv)	PEEVN-28056F
					30.80mm	5.96mm	105.30mm	PEEVN-28693
				31.00mm	5.95mm	102.85mm	PPEVN-28705	

## RENAULT F4R RS 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
Clio RS 2.0lts	33.50mm (std)	5.47mm	110.05mm	RIVN-28337-2	29.00mm (std)	5.44mm	108.9mm	REVI-28338F-2

## 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		
	36.50mm (+0.5)		103.85mm (short)	SIVN-1012/2	32.50mm (+0.5)		104.2mm (short)	SEVI-1012/2 Inc.		
	37.00mm (+1.0)		104.35mm (std)	SIVN-1014	32.50mm (+0.5)		104.7mm (std)	SEVN-1012		
	37.00mm (+1.0)		103.85mm (short)	SIVN-1014/2	32.50mm (+0.5)		104.20mm (short)	SEVN-1012/2		
					33.00mm (+1.0)		104.7mm (std)	SEVI-1014 Inconel		
					33.00mm (+1.0)		104.20mm (short)	SEVI-1014/2 Inc.		
				33.00mm (+1.0)	104.20mm (short)	SEVN-1014/2				
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

# SPORT COMPACT RACING VALVES AND VALVE SPRING KITS

## 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			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 (+1.0)Dish			SIVN-2304D	31.00mm (+0.5)			SEVN-1030D		
					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

## TOYOTA 1FZ-FE 16 24v 4.5lt DOHC

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
Landcruiser	39.50mm(+1.5)	6.97mm	98.80mm	TIVN-1083D	33.50mm(+1.5)	6.97mm	98.10mm	TEVN-1083D		
	39.50mm(+1.5)			TIVN-1083F				33.50mm(+1.5)	TEVN-1083F	
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/1FZ	29.65mm	21.85mm	20.50mm	15.50mm	82 @ 11	208 @ 11	15.50mm	20.70mm	11.50mm	RET-H/70/T1+SEAT-H/N240+OEM
SPR-H1005D/1FZ	29.65mm	21.85mm	22.50mm	15.50mm	100 @ 36.20	226 @ 11	14.70mm	21.50mm	11.50mm	RET-H70/T1+SEAT-H/N240+OEM
SPR-H100DR/1FZ	30.20mm	22.20mm	22.20mm	16.80mm	65 @ 36.20	197 @ 11	15.50mm	20.50mm	12.00mm	RET-H70/T1+SEAT-H/N240 +OEM

## 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)									
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	13.3mm	20.70mm	12.10mm	RET-TS5.5/TC + SEAT-TS?TC
SPR-TS2081/TC	27.50mm	20.00mm			60 @ 33.6	165 @ 11	12.9mm	20.70mm	9.60mm	RET-TS5.5/TC-S +SEAT-TS/TC

# SPORT COMPACT RACING VALVES AND VALVE SPRING KITS

## 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-2081-SP	27.50mm	20.00mm			60 @ 33.60	165 @ 11	12.90mm	20.70mm	9.60mm	RET-NVG1015/T1 + OEM seat
SPR-TS1012	27.50mm	20.00mm	20.00mm	15.20mm	80 @ 33.60	224 @ 11	12.90mm	20.70mm	12.10	RET-TS60/T1+SEAT-TS1015/2+OEM
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 2RZ / 3RZ 16v

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited
TACOMA	37.5mm (std)	5.97mm	103.60mm	TIVN-1045	30.5mm (std)	5.96mm	103.60mm	TEVN-1045
	38.50mm (+1.0)			TIVN-1047	31.50mm (+1.0)			TEVN-1047
	39.50mm (+2)			TIVN-1048	32.50mm (+2.0)			TEVI-1048

## 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 2UZ-FE 4.7lts V8 32V

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
Landcruiser /Lexus / tundra	36.00mm(+1.5)	5.48mm	95.05mm	TIVN-1093D	30.50mm(+1.5)	5.47mm	95.10mm	TEVI-1093D		
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-TU24	24.50mm	17.90mm			80 @ 35	130 @ 10	12.00mm	23.00mm	5.00mm	RET-TU24/T1+(OEM Shim under bucket)

## 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		
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-T2ZS	24.50mm	17.00mm			70 @ 38.50	180 @ 11.50	13.00mm	25.50mm	9.60mm	RET-T2Z/T1 + OEM Seat

## 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)		99.10mm	TEVI-1016 Inconel		
					30.00mm (+1.0)			99.10mm	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-2081/MR	27.50mm	20.00mm			59 @ 34.75	175 @ 12	13.25mm	20.70mm	9.6mm	RET-TS60/MA2 + SS-3025 +OEM seat
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 + SEAT-TS1015

# SPORT COMPACT RACING VALVES AND VALVE SPRING KITS

## 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

## 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	26.50mm(std)			TIVN-1017	27.00mm (+1.0)	4.97mm	108.40mm	TEVN-1018		
	27.50mm (+1.0)	4.96mm	98.6mm	TIVN-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

# SPORT COMPACT RACING VALVES AND VALVE SPRING KITS

## VW 1.8 /2.0lts 16v /2.2 5cyl 20v

	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 )	VWEVN-1034	
	32.50mm (+0.5)			VWIVN-1035				28.00mm(std	VWEVI-1034	
	34.00mm(+2)			VWIVN-1038				KR/9A)	inconel	
					28.50mm (+0.5)			VWEVI-1035		
					28.50mm (+0.5)			Inconel		
				29.50mm(1.5)			VWEVN-1035			
								VWEVI-1037		
CAM FOLLOWER	CF-35/14.7LC (std base cir)				CF-35/16.7LC (for Reground cam)					
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-V2093/4-16s	30.4mm	23.20mm	21.90mm	16.50mm	86 @ 31.75	230 @ 11.50	13mm	18.70mm	12.50mm	RET-027 (single Groove)

## 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 /Passatt /Beetle 85-03	40.00mm (std)	7.00mm	91.60mm	VWIVN-1014	33.00mm (std)	7.00mm	90.95mm	VWEVN-1014		
	40.00mm (std)			VWIVN-1024				33.00mm Std)	VWEVN-1024	
	41.00mm (+1.0)			VWIVN-1017				34.00mm (+1.0)	VWEVN-1017	
	41.00mm (+1.0)			VWIVN-1027				34.00mm (+1.0)	VWEVN-1027	
	42.00mm (+2.0)			VWIVN-1019				35.00mm (+2.0)	VWEVN-1019	
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-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	
CAM FOLLOWER	CF-24/15				CF-33.5/15.5					
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-A2095(intk)	20.60mm	14.40mm			54 @ 36.6	123 @ 10.5	13.60mm	23.00mm	6.70mm	RET-AU5VI/T2 (12)
SPR-H1002D(exh)	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 / Passatt	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						
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-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

# SPORT COMPACT RACING VALVES AND VALVE SPRING KITS

## 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)		
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/VR6	25.00mm	18.00mm	18.00mm	13.00mm	80@36mm	231 @ 12mm	13.90mm	21 / 17	12.60mm	RET-K20A3/TC25+Seat-VR624

## VW- AUDI 2.0T FSI

	INTAKE VALVE			Part Number	EXHAUST VALVE			Part Number		
	Head Diam	Stem Diam	Length	Black Nitrited	Head Diam	Stem Diam	Length	Black Nitrited		
	33.85mm (std)	5.98mm	101.80mm	VWIVN-1002S	28.00mm (std)	5.96mm	101.80mm	VWEVI-1002S		
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-A2416	24.00mm	16.50mm			68@38.60	185 @ 11.5	13.70mm	24.90mm	10.20mm	RET-A2416/T1 opt. 0.060" intake shim SS-A204