



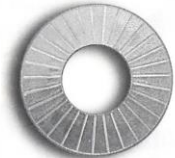
# FONDERA LIMITED

IMPORTERS AND SUPPLIERS OF AUTOMOTIVE ENGINEERING PRODUCTS

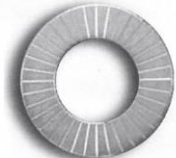
## VSI Valve Spring Inserts

The Original VSI®

Individually Engineered, Tested, and Proven Superior!



**.060 Type "A"**  
For Serviceable Springs  
Std. - Copper Color  
HP - Blue, Case Hardened  
PATENTED SERRATIONS



**.030 Type "B"**  
For New Springs  
Std. - Silver Color  
HP - Blue, Case Hardened  
PATENTED SERRATIONS



**.015 Type "C"**  
For Balancing  
Std. - Black Color  
HP - Blue Tempered  
Spring Steel



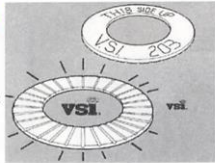
**.060 Cup A500 Series**  
For Step/Flush Spring Pads  
Std. - Copper Color  
HP - Blue, Case Hardened  
Helps Control Spring Walk  
PATENTED SERRATIONS

Remember, Only VSI® Offers The Full Line,  
Don't Be Fooled By Imitations!



### Patented Design

For decades, engine builders have been installing VSI inserts/adjusters on all valve jobs. Why? Because they are superior to plain shims. Only VSI has patented heat-retarding serrations. Whether you're a PER or CER (Custom Engine Rebuilder), VSI completes the valve job, building your reputation while doing a complete job for your customer.



High-Performance Series VSI® are the preferred valve spring insert when assembling High-Performance cylinder heads. Aluminum heads require the installation of inserts to prevent the valve spring from damaging the aluminum spring seat. Standard shims are unable to handle the stress of racing spring pressures.

Plain shims are NOT designed for the stresses of high valve spring pressure.



**VSI HP Series**  
Corrects & protects. Patented serrations dissipate heat.

- Patented Heat-Slashing Serrations.
- Equalizes the Installed Height & Pressure Among Springs.
- Type A (.060) & B (.030) HP Series are Case Hardened.
- Type C (.015) HP Series are Blue Tempered Spring Steel

### Free Cabinet Dispenser

with purchase of 30 box (#20000) or 50 box (#50000) assortment, or order separately (#5000MT)

#### 30 Box Assortment

**Part #20000** (30 Boxes Type A & B)  
Provides 80% Coverage on Pass. Cars, Trucks, Tractors, & Industrial Engines.

A100	A105	A202	A301	A502
B100	B105	B202	B301	A503
A102	A200	A203	A302	A801
B102	B200	B203	B302	A810
A103	A201	A300	A303	A820
B103	B201	B300	B303	821

#### 50 Box Assortment

**Part #50000** (1 Box Ea. - 50 Boxes)  
Provides 98% Coverage on Pass. Cars, Trucks, Tractors, & Industrial Engines.

A100	A106	A204	A305	A407
A101	A107	A300	B305	A408
B101	A200	B300	A306	A409
A102	B200	A301	A400	A502
B102	A201	B301	A401	A503
A103	B201	A302	A402	A506
B103	A202	B302	A403	A600
A104	B202	A303	A404	C601HP
A105	A203	B303	A405	A810
B105	B203	A304	A406	821

### 50 Hook Cabinet Dispenser

Easy-To-Store Boxes



24" Wide x 18" High x 4-1/2" Deep

**Part #5000MT**

5 FREE boxes of VSI with every 5000R cabinet.  
See Page 2 of Price Sheet.

### Economy-Size Boxes



Save 10%

Add Suffix **RS** to the Part #

FONDERA LIMITED, Unit 3, Tower Industrial Estate,  
Berinsfield, Wallingford, Oxon, OX10 7LN.

Tel. No: 01865 341 900 Fax No: 01865 341 440

www.fondera.co.uk



**SILVER SEAL VALVE SPRING INSERTS AND ADJUSTERS**

INDEXED BY OUTSIDE DIAMETER				
TYPE A	TYPE B	TYPE C		
.060	.030	.015		
Springs In Service	New Springs	Spring Balancing	O.D	I.D
A204(HP)	B204(HP)	C204(HP)	0.796	0.515
		C202(HP)	0.915	0.640
	B108(HP)	C108(HP)	0.970	0.445
A101	B101	C101	1.000	0.688
A104	B104	C104	1.000	0.765
A106	B106	C106(HP)	1.100	0.719
A300(HP)	B300(HP)	C300(HP)	1.125	0.719
		C203S	1.140	0.812
A408	B408		1.140	0.570
A407	B407		1.156	0.828
A105(HP)	B105(HP)	C105(HP)	1.218	0.875
A107(HP)	B107(HP)	C107(HP)	1.250	0.625
A107S	B107S	C107S	1.250	0.680
A201(HP)	B201(HP)	C201(HP)	1.250	0.875
A203(HP)	B203(HP)	C203(HP)	1.250	0.812
		C105S	1.140	0.885
A308			1.311	0.889
A100	B100	C100	1.312	0.954
A302(HP)	B302(HP)	C302(HP)	1.312	0.765
A409			1.312	0.755
A102(HP)	B102(HP)	C102(HP)	1.360	1.000
A200(HP)	B200(HP)	C200(HP)	1.360	0.640
A102S	B102S	C102S	1.360	1.017
A301(HP)	B301(HP)	C301(HP)	1.375	0.765
A403	B403		1.375	0.781
A508(HP)			1.400	1.265
A305(HP)	B305(HP)	C305(HP)	1.437	0.785
A306(HP)	B306(HP)	C306(HP)	1.437	0.645
	B109		1.440	1.057
A303(HP)	B303(HP)	C303(HP)	1.480	0.703
	B410		1.480	0.785
A103(HP)	B103(HP)	C103(HP)	1.500	1.031
		C103S	1.500	1.000
A304	B304		1.500	1.156
A306S(HP)	B306S(HP)	C306S(HP)	1.500	0.645
A404			1.500	0.875
		C602(HP)	1.500	0.765
	B603(HP)	C603(HP)	1.500	0.562
A401	B401		1.600	0.820
A605(HP)	B605(HP)	C605(HP)	1.610	0.570
A601(HP)	B601(HP)	C601(HP)	1.640	0.635
A400S	B400S		1.650	1.180
	B402		1.687	1.281
	B400		1.750	0.820
A405	B405		1.750	0.890
	B406		1.750	1.328
A600			1.937	1.250

INDEXED BY INSIDE DIAMETER				
TYPE A	TYPE B	TYPE C		
.060	.030	.015		
Springs In Service	New Springs	Spring Balancing	O.D	I.D
	B108(HP)	C108(HP)	0.970	0.445
A204(HP)	B204(HP)	C204(HP)	0.796	0.515
	B603(HP)	C603(HP)	1.500	0.562
A408	B408		1.140	0.570
A605(HP)	B605(HP)	C605(HP)	1.610	0.570
A107(HP)	B107(HP)	C107(HP)	1.250	0.625
A601(HP)	B601(HP)	C601(HP)	1.640	0.635
		C202(HP)	0.915	0.640
A200(HP)	B200(HP)	C200(HP)	1.360	0.640
A306(HP)	B306(HP)	C306(HP)	1.437	0.645
A306S(HP)	B306S(HP)	C306S(HP)	1.500	0.645
A107S	B107S	C107S	1.250	0.680
A101	B101	C101	1.000	0.688
A303(HP)	B303(HP)	C303(HP)	1.480	0.703
A106	B106	C106(HP)	1.100	0.719
A300(HP)	B300(HP)	C300(HP)	1.125	0.719
A409			1.312	0.755
A104	B104	C104	1.000	0.765
A302(HP)	B302(HP)	C302(HP)	1.312	0.765
A301(HP)	B301(HP)	C301(HP)	1.375	0.765
		C602(HP)	1.500	0.765
A403	B403		1.375	0.781
A305(HP)	B305(HP)	C305(HP)	1.437	0.785
	B410		1.480	0.785
		C203S	1.140	0.812
A203(HP)	B203(HP)	C203(HP)	1.250	0.812
A401	B401		1.600	0.820
	B400		1.750	0.820
A407	B407		1.156	0.828
A105(HP)	B105(HP)	C105(HP)	1.218	0.875
A201(HP)	B201(HP)	C201(HP)	1.250	0.875
A404			1.500	0.875
		C105S	1.140	0.885
A308			1.311	0.889
A405	B405		1.750	0.890
A100	B100	C100	1.312	0.954
A102(HP)	B102(HP)	C102(HP)	1.360	1.000
		C103S	1.500	1.000
A102S	B102S	C102S	1.360	1.017
A103(HP)	B103(HP)	C103(HP)	1.500	1.031
	B109		1.440	1.057
A304	B304		1.500	1.156
A400S	B400S		1.650	1.180
A600			1.937	1.250
A508(HP)			1.400	1.265
	B402		1.687	1.281
	B406		1.750	1.328

**CUP STYLE VALVE SPRING INSERTS**

APPLICATION (REFER TO I.D./O.D FOR PROPER FIT)	VSI O.D	SPRING PAD O.D	SPRING PAD I.D	PART NO	TYPE
Same application as 102 Series	1.542	1.390	1.000	A502(HP)	.060
Same application as 103 Series	1.640	1.520	1.031	A503(HP)	.060
Same application as 306 Series	1.650	1.530	0.645	A506(HP)	.060
SB Chevy w/remachined Spring Pad	1.400	1.265	0.821	A505	.060
Crane 1.460 O.D Spring	1.600	1.475	0.645	A507(HP)	.060
Small Block Chevy	1.400	1.265	0.580	A508(HP)	.060
SB Chevy, Ford, Chrysler 1.460 Spring	1.613	1.470	0.570	A512(HP)	.060
390-428 Ford, 383-440 Chrysler 1.540 Spring	1.700	1.550	0.570	A514(HP)	.060