

RACE VALVES



All our race valves are produced in EN214N steel, stellite tipped and use the later narrow collet groove and current valve head shapes.

C-AHT111
1.525" Inlet valve x 3.57

C-AHT110
1.480" Inlet valve x 3.57

C-AHT55
1.464" Inlet valve x 3.57

C-AEG544
1.401" Inlet valve x 3.57

AEG593
1.401" Inlet valve x 3.57

C-AEG569
1.311" Inlet valve x 3.57

C-AEG590
1.311" Inlet valve x 3.44, small bore

C-AEG588
1.250" Inlet valve X 3.44, small bore

C-AEG107
1.215" Exhaust valve, x 3.57

C-AEG589
1.15" Exhaust valve, x 3.57

C-AEG106
1.15" exhaust valve, x 3.44, small bore

C-AEG587
1.04" Exhaust valve x 3.44, small bore

RIMFLOW VALVES



We also stock the range of Paul Ivey developed Rimflo valves for the A-Series. They are made of EN214N steel with chrome plated stems which enable them to be used with standard iron guides.

Rimflow1.46L
1.46" x 3.57 Inlet valve, 12G940 casting

Rimflow1.44L
1.44" x 3.57 Inlet valve, 12G940 casting

Rimflow1.4L
1.401" x 3.57 Inlet valve, 12G940 casting

Rimflow3.1L
1.311" x 3.57 Inlet valve, 12G940 casting.

Rimflow1.25
1.25" x 3.44 Inlet valve, 12G295 casting

Rimflow1.25L
1.25" 3.57 Exhaust valve, 12G940 casting

Rimflow1.21L
1.215" x 3.57 Exhaust valve, 12G940 casting

Rimflow1.15L
1.15" x 3.57 Exhaust valve, 12G940 casting.

Rimflow1.0
1.06" x 3.44 Exhaust valve, 12G295 casting

Valve Springs, Retainers & Guides



Modern high lift, short duration camshafts have posed quite a few problems for the general public in recent years. Widely available performance valve springs were overnight out dated, as it became necessary to reduce spring crush. This, in turn, caused low valve seat pressures creating valve float at high rpm. Mini Spares has massively simplified these problems by introducing all range of springs that covers all eventualities. Manufactured from super-quality silicone wire imported from Switzerland, their resistance against fading and breaking is extremely high. They are also designed to take standard type top caps. They can be fitted directly to the head with no fear of spring crush.

C-AEA526
Anti coil bind dual springs for use up to 8000 rpm. 165 lb load at .380 lift, 185lb at .495 lift.

C-AEA527
Anti coil-bind dual springs for race use will take .570 lift without modifications, 240lb.

The standard fitted length of all springs above is 1.4" - 1.42". Spacer shims are available to increase valve seat poundage and overall spring rate. If the spring or valve seats in the head have already been machined, it will be necessary to reshim to the correct fitted length.

SS4
Spring seat shims (set of 4). .080 thick (2mm).

It is essential to use bottom inner spring locating collars with all dual springs to prevent breakage caused by the inner spring wandering at high rpm.

C-AEA654
Competition inner spring locator

AEA403
Standard inner spring locator - lower - for use with cams up to .300" lift at the lobe.

903-0000
Crane competition steel retainers.

C-AJJ4037
Bronze Valve guides are required when using EN214N steel valves unless the valve stems are chrome plated.



VWE-005 SP6
260lb ISKY Valve springs (Require ISKY retainers).

VWE005/116
320LB ISKY Valve springs. (Require ISKY retainers)

SPOO7
ISKY lightweight aluminum valve spring retainers.