



IRON HEAD®

- Extreme Duty Replacement Valves
- Valves Seals
- Valves Guides



AV&V2068

1757



AV&V Extreme Duty Replacement Valves

These superb valves are one piece forged from a racing grade stainless steel alloy.

Our liquid nitriding process creates a valve that is smoother and stronger than traditional O.E.M. or replacement valves.

The stems are centerless grinded to a micro finish for longer life.

AV&V™ Extreme Duty valves also feature a 45° angle below the lock groove to facilitate valve seal installation.



| HD03 | | | | | |
|---|----------------|-----------|---------------|------------|--------|
| Exhaust | | | | | |
| Head Dia. | Overall Length | Stem Dia. | Coating | Tip Length | Groove |
| 1.561" | 3.505" | .3389" | Black nitride | .155" | Single |
| Note | | | | | |
| <ul style="list-style-type: none"> • 20° back angle tulip • For 900/1000 Sportster® • 1 1/32" stem | | | | | |



| HD04 | | | | | |
|--|----------------|-----------|---------------|------------|--------|
| Intake | | | | | |
| Head Dia. | Overall Length | Stem Dia. | Coating | Tip Length | Groove |
| 1.812" | 3.615" | .3108" | Black nitride | .200" | Single |
| Note | | | | | |
| <ul style="list-style-type: none"> • 20° back angle tulip • For 900 Sportster® • 5/16" stem | | | | | |



| HD05 | | | | | |
|---|----------------|-----------|---------------|------------|--------|
| Intake | | | | | |
| Head Dia. | Overall Length | Stem Dia. | Coating | Tip Length | Groove |
| 1.940" | 3.615" | .3108" | Black nitride | .200" | Single |
| Note | | | | | |
| <ul style="list-style-type: none"> • 20° back angle tulip • For 1000 Sportster® • 5/16" stem | | | | | |

IRON HEAD

AV&V Extreme Duty Cast Iron Valve Guides



- AV&V's Cast iron valve guides are CNC machined. Our alloy allows you to fit both intake and exhaust valves at tighter clearances for better heat dissipation, quieter running and longer engine life.
- Special Hi-temp. Viton O'rings are used to prevent oil infiltration between guide & head.
- Tapered & radiused nose for easier installation and better air flow.
- Unique Super Grip valve seal section : use either OEM style or viton seals.
- Unfinished I.D. ready to be easily finished with AV&V's Carbide reamers. (see reamers section)



| O.D. | I.D. | Oversize | Overall Length | Intake | Exhaust |
|-----------------------------------|-------|----------|----------------|----------------|----------------|
| High Lift & High Flow application | | | | | |
| .5645" | .308" | Std | 1.750" | VG5100C | |
| .5655" | .308" | .001" | 1.750" | VG5101C | |
| .5665" | .308" | .002" | 1.750" | VG5102C | |
| .5675" | .308" | .003" | 1.750" | VG5103C | |
| .5645" | .338" | Std | 1.750" | | VG5200C |
| .5655" | .338" | .001" | 1.750" | | VG5201C |
| .5665" | .338" | .002" | 1.750" | | VG5202C |
| .5675" | .338" | .003" | 1.750" | | VG5203C |

- For XL 1957 to early 1983
- Made from G2 Cast Iron
- Shortened seal section allows .530" valve seal installation (K312530 and K341530).
- Profiled for optimum airflow.

AV&V Valve Seals



| O.E Style Seals | | K312530 |
|--|-------------------|--|
| Description | | |
| Stem Dia. | Seal section O.D. | <ul style="list-style-type: none"> • For Iron Head Sportster® |
| .312" | .530" | |
| Note | | |
| <ul style="list-style-type: none"> • O.E. Style metal clad seal | | |



| O.E Style Seals | | K341530 |
|--|-------------------|--|
| Description | | |
| Stem Dia. | Seal section O.D. | <ul style="list-style-type: none"> • For Iron Head Sportster® |
| .341" | .530" | |
| Note | | |
| <ul style="list-style-type: none"> • O.E. Style metal clad seal | | |

IRON HEAD

*Curiosity is the
mother of creativity.*

AV&V™ is and always has been a pioneer when it comes to technological innovations for the Harley-Davidson® cylinder head components.

Systematic and advanced development are part of our mission to offer you the ultimate valve train components.

With more than 66 valve models, 17 valve guide models and 14 valve spring kits, **AV&V™** offers you the most complete line of high-performance valve train components in the industry.



High Performance Valvetrain Components Manufacturer



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