

# CYLINDER HEAD BOLTS

## HIGH PERFORMANCE SERIES

High Performance head bolts are available with a reduced wrenching hex or 12-point and wide area flanged head that eliminates the need for valve train removal to facilitate cylinder head retorquing. All High Performance Series bolts are 180,000 psi (which is 15% stronger than Grade 8) and kits come complete with hardened parallel-ground washers.

## PROFESSIONAL SERIES

All Pro Series bolts are cold-forged to ensure molecular integrity, heat-treated prior to thread rolling and machining, and are rated nominally at 200,000 psi. ARP Pro Series head bolt kits are application specific – designed for use with typically competition only components. These fasteners deliver superior strength and meet the ARP “ZERO defect – ZERO failure” quality standard. Hardened and parallel-ground washers are included with each kit to ensure even load distribution and accurate torque readings. All Pro Series head bolts have a reduced wrenching hex or 12-point head and wide area flange to eliminate the need for valve train removal for cylinder head retorquing and permits the use of larger diameter valve springs. Most applications have undercut short bolts that can help eliminate head gasket failures through providing more “stretch” to compensate for the additional compression of gaskets.

Refer to Main & Head Bolt Instructions on page 45.

All kits come complete with hardened parallel-ground washers.



| Application  | High Performance |          | Pro Series |            | Stainless |          |
|--|------------------|----------|------------|------------|-----------|----------|
|  | Hex              | 12-Point | 12-Point   | 12-Pt. U/C | Hex       | 12-Point |
| <b>AMC</b>   |                  |          |            |            |           |          |
| 258 cid inline 6 with 1/2" bolts   | 112-3601         |          |            |            |           |          |
| 290-343-390 cid (1969 and earlier) 7/16"   | 114-3601         |          |            |            |           |          |
| 290-343-390 cid (1969 and earlier) with Edelbrock heads 7/16"  | 114-3605         |          |            |            |           |          |
| 304-360-390-401 cid (1970 & later) 1/2"  | 114-3602         |          |            |            |           |          |
| 304-360-390-401 cid (1970 & later) with Edelbrock heads 1/2"   | 114-3604         |          |            |            |           |          |
| 401 cid with Indy heads  | 114-3603         |          |            |            |           |          |
| <b>BMW</b>   |                  |          |            |            |           |          |
| Mini Cooper  |                  |          | 206-3601   |            |           |          |
| <b>BUICK</b>   |                  |          |            |            |           |          |
| V6 Stage I (1977-85)   | 123-3601         | 123-3701 | 223-3701   |            | 423-3601  | 423-3701 |
| V6 Grand National and T-Type (1986-87)   | 123-3603         | 123-3703 | 223-3703   |            |           |          |
| V6 with 1986-87" block and GN1 Champion heads  |                  |          | 223-3705   |            |           |          |
| V6 Stage II  |                  |          | 223-3700   |            |           |          |
| V6 Stage II with Champion heads  |                  |          | 223-3704   |            |           |          |
| V6 with Duttweiler and M&A aluminum heads  | 123-3602         |          |            |            |           |          |
| 455 cid  | 125-3601         |          |            |            |           |          |
| <b>CHEVROLET, SMALL BLOCK</b>  |                  |          |            |            |           |          |
| 23° Cast iron OEM, Gen III Vortec/Truck, most Edelbrock, LT-AFR, Brodix-8,-10,-11,-11xb, LT-1, Dart Pro-1 & Trick Flow heads   | 134-3601         | 134-3701 | 234-3701   |            | 434-3601  | 434-3701 |
| 23° Cast iron OEM, Gen III Vortec/Truck, most Edelbrock, LT-AFR, Brodix-8,-10,-11,-11xb, LT-1, Dart Pro-1 & Trick Flow heads (black oxide inner rows, stainless steel outer row) | 134-3603         | 134-3703 |            |            |           |          |
| 23° Pro Action head  |                  | 134-3604 |            |            |           |          |
| 12-Rollover Brodix, 18° Brodix   | 134-3602         | 134-3702 | 234-3702   |            |           |          |
| 18° standard port  | 134-3607         |          | 234-3707   | 234-3723   |           |          |
| 18° hi-port  | 134-3608         |          | 234-3708   | 234-3720   |           |          |
| 18° hi-port with 3/8" holes, casting #10134363 and 64  |                  |          | 234-3721   | 234-3722   |           |          |
| Bowtie with Brodix 12 - Weld-Tech, Dart II, WP Sportsman II, Brodix Track I  |                  |          | 234-3703   |            |           |          |
| Dart-Buick   |                  |          | 234-3709   |            |           |          |
| Oldsmobile 14°   |                  |          | 234-3705   |            |           |          |
| Pontiac Brodix aluminum heads, raised intake, -10x RI  |                  |          | 234-3704   |            |           |          |
| Gen III/LS Series small block (2003 & earlier) hex   |                  |          | 134-3609   |            |           |          |
| Gen III/LS Series small block (2004 & later) w/ all same length hex bolts  |                  |          | 134-3610   |            |           |          |
| <b>CHEVROLET, BIG BLOCK</b>  |                  |          |            |            |           |          |
| 348, 409, Cast iron OEM  | 135-3602         |          |            |            |           |          |
| 396-402-427-454 Cast iron OEM  | 135-3601         | 135-3701 | 235-3701   |            | 435-3601  | 435-3701 |
| 396-402-427-454 Cast iron OEM (black oxide inner rows, stainless steel outer rows)   | 135-3604         | 135-3704 |            |            |           |          |
| Mark IV or Mark V block with Brodix aluminum heads   | 135-3609         | 135-3709 | 235-3709   |            |           |          |
| Mark IV or Mark V block with Brodix-2, -4 and Canfield aluminum heads  | 135-3606         | 135-3702 | 235-3702   |            |           |          |
| Mark IV block with Edelbrock heads 60409, 60429, 60459, 60479, 60499, 60559  | 135-3610         | 135-3710 |            |            |           |          |
| Mark IV or Mark V block with Edelbrock heads 77609, 77659, 7760, 7765  | 135-3611         | 135-3711 |            | 235-3711   |           |          |