Valve spring pressures may vary plus or minus 5%. It is the customer’s responsibility to verify springs are correct for their application. Failure to do so could result in engine damage.

All springs that come standard with AFR Cylinder Heads are made of high quality spring wire and are sufficient for most general applications when following the below recommendations. Keep in mind that forced induction, Nitrous, high RPM, and even modest RPM with aggressively designed (faster) cam lobes require additional spring pressure and higher quality spring wire. AFR offers various upgrades over standard valve springs; if you’re questioning the spring requirement for your particular application, we advise you contact AFR directly. It is always better to run a higher quality spring than you need, resulting in greater spring life, and more importantly, a higher level of reliability while doing so.

Valve spring pressures may vary plus or minus 5%. It is the customer’s responsibility to verify springs are correct for their application. Failure to do so could result in engine damage.

<table>
<thead>
<tr>
<th>Part #, Application, &amp; Markings</th>
<th>Size (in)</th>
<th>Installed &amp; Open Load (lbs/in)</th>
<th>Material, Manufacturer &amp; Spring Type</th>
<th>Coil Bind (in)</th>
<th>Rate (lbs/in)</th>
<th>Gross Max Lift General Guideline</th>
<th>Max RPM General Guideline</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFR-8000 Solid Roller Orange Stripe</td>
<td>1.550 OD .800 ID</td>
<td>220 lbs @ 1.950 603 lbs @ 1.240</td>
<td>PAC Racing, Chrome Silicon, Dual Spring Max Duration - SB 260° &amp; BB 250°</td>
<td>1.155</td>
<td>540</td>
<td>.710</td>
<td>680 for valves larger than 2.165</td>
</tr>
<tr>
<td>AFR-8001* Solid Roller Yellow Stripe</td>
<td>1.550 OD .788 ID</td>
<td>250 lbs @ 2.000 762 lbs @ 1.200</td>
<td>Pacaloy PAC Racing Springs #1225 Dual Spring</td>
<td>1.150</td>
<td>640</td>
<td>.800</td>
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<tr>
<td>AFR-8002 Hydraulic Roller Green Stripe</td>
<td>1.550 OD .755 ID</td>
<td>175 lbs @ 2.000 505 lbs @ 1.275</td>
<td>Pacaloy PAC Racing Springs #1940 Dual Spring with Damper</td>
<td>1.110</td>
<td>455</td>
<td>.725</td>
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<tr>
<td>AFR-8014* Solid Roller No Stripe</td>
<td>1.645 OD .871 ID .633 ID</td>
<td>350 lbs @ 2.150 1000 lbs @ 1.200</td>
<td>Pacaloy PAC Racing Springs #1258 Triple Spring</td>
<td>1.130</td>
<td>688</td>
<td>.950</td>
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<tr>
<td>AFR-8016 Solid Flat Tappet No Stripe</td>
<td>1.540 OD .754 ID</td>
<td>135 lbs @ 1.930 400 lbs @ 1.300</td>
<td>Pacaloy PAC Racing Springs #1924 Dual Spring with Damper</td>
<td>1.125</td>
<td>431</td>
<td>.600</td>
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<tr>
<td>AFR-8017 Hydraulic Roller No Stripe</td>
<td>1.290 OD .685 ID</td>
<td>140 lbs @ 1.810 356 lbs @ 1.210</td>
<td>PAC Racing, Chrome Silicon, Dual Spring Max Duration - Small Block 236°</td>
<td>1.000</td>
<td>360</td>
<td>.600</td>
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</tr>
<tr>
<td>AFR-8019* Hydraulic Roller Red or Pink Stripe</td>
<td>1.270 OD .645 ID</td>
<td>155 lbs @ 1.810 448 lbs @ 1.160</td>
<td>Premium Grade Chrome Silicon PAC Racing Springs Dual Spring</td>
<td>1.080</td>
<td>450</td>
<td>.650</td>
<td></td>
</tr>
<tr>
<td>AFR-8020 Hydraulic Flat Tappet Inner Blue</td>
<td>1.437 OD .720 ID</td>
<td>125 lbs @ 1.800 304 lbs @ 1.250</td>
<td>Chrome Silicon Pioneer Springs Dual Spring with Damper</td>
<td>1.090</td>
<td>320</td>
<td>.550</td>
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</tr>
<tr>
<td>AFR-8022* Solid Roller Green Stripe</td>
<td>1.640 OD .860 ID</td>
<td>320 lbs @ 2.040 862 lbs @ 1.200</td>
<td>Premium Grade Chrome Silicon Manley Nextek #221425-16 Dual Spring</td>
<td>1.150</td>
<td>645</td>
<td>.840</td>
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</tr>
<tr>
<td>AFR-8023* Solid Roller White Stripe</td>
<td>1.580 OD .830 ID</td>
<td>235 lbs @ 1.950 625 lbs @ 1.220</td>
<td>Erson, Special Steel Alloy Endurance Dual Spring #E915043</td>
<td>1.170</td>
<td>536</td>
<td>.730</td>
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<tr>
<td>AFR-8031 Solid Roller No Stripe</td>
<td>1.625 OD .851 ID</td>
<td>275 lbs @ 2.000 810 lbs @ 1.150</td>
<td>Pacaloy PAC Racing Springs #1224 Dual Spring</td>
<td>1.100</td>
<td>629</td>
<td>.850</td>
<td></td>
</tr>
</tbody>
</table>

*Titanium Retainers Recommended

**IMPORTANT:** Break in cam per cam manufacturers specifications. This can be critical for solid flat tappet and hydraulic flat tappet cams.