



## **FEULING® LIFTER BORE MEASURING KIT**



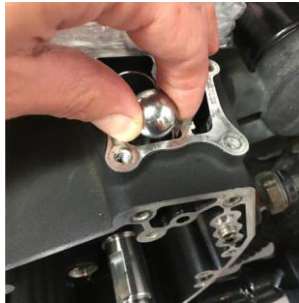
A set of precision ground steel balls to accurately measure lifter bore diameter and bore roundness.

Feuling recommends a lifter to lifter bore clearance of 0.001" - 0.0015" for optimum lifter performance, oil flow to top end and overall engine/lifter sound.

The correct size ball will pass through the lifter bore 'snugly', this will give you the correct bore size taking roundness of the bore into account.

See Feuling oversized lifters #4051 & 4052 to tighten up the lifter to bore clearance if needed.

Ball Sizes: 0.8430", 0.8435", 0.8440", 0.8445", 0.8450"



**#9004 Fits: EVO, Twin Cam and Milwaukee Eight lifter bores**

**\*FEULING® RECOMMENDS PUMPING UP EACH LIFTER BY HAND PRIOR TO INSTALLATION, TO REMOVE ALL AIR AND PROVIDE A FULLY PUMPED UP LIFTER. USE OF A THIN WEIGHT OIL LIKE ATF IN A SQUIRT CAN WORKS WELL.**

**\*Feuling recommends a maximum of 0.0035" crankshaft runout + play in the crankshaft bearings for maximum horsepower/torque and engine longevity.**

### **IMPORTANT NOTICE:**

Damage to Feuling oil pump corporation products from incorrect installation, calibration and/or from excessive pinion shaft run out and/or valve spring coil bind will void manufacturer's warranty.

### **WARRANTY:**

All parts are guaranteed to the original purchaser to be free of manufacturing defects in materials and workmanship for a period of twelve (12) months from the date of purchase. Merchandise that fails to conform to these conditions will be repaired or replaced at FOP's option if the parts are returned to FOP by the purchaser within the (12) month warranty period. In the event warranty service is required, the original purchaser must notify FOP of the problem immediately. Some problems may be rectified by a telephone call and need no further action. A part that is suspected of being defective must not be replaced without prior authorization from FOP. If it is deemed necessary for FOP to make an evaluation to determine whether the part was defective, it must be packaged properly to avoid further damage, and be returned prepaid to FOP with a copy of the original invoice of purchase and a detailed letter outlining the nature of the problem, how the part was used and the circumstances at the time of failure. After an evaluation has been made by FOP and the part was found to be defective, repair, replacement or refund will be granted.

### **ADDITIONAL WARRANTY PROVISIONS:**

FOP shall have no obligation in the event an FOP part is modified by any other person or organization, or if another manufacturer's part is substituted for one provided by FOP. FOP shall have no obligation if an FOP part becomes defective in whole or in part as a result of improper installation, improper break-in or maintenance, improper use, abnormal operation, or any other misuse or mistreatment. FOP shall not be liable for any consequential or incidental damages resulting from the failure of an FOP part, the breach of any warranties, the failure to deliver, delay in delivery, delivery in non-conforming condition, or any other breach of contract or duty between FOP and the customer. The installation of parts may void or otherwise adversely affect your factory warranty. In addition, such installation and use may violate certain federal, state and local laws, rules and ordinances as well as other laws when used on motor vehicles operated on public highways, especially in states where pollution laws may apply. Always check with federal, state, and local laws before modifying your motorcycle. It is the sole and exclusive responsibility of the user to determine the suitability of the product for his/her use, and the user shall assume all legal, personal injury risk and liability and all other obligations, duties and risks associated therewith. Our high performance parts, engines and motorcycles are intended for experienced riders only. Feuling Oil Pump Corporation reserves the right to change prices and/or discounts without notice and to bill at the prevailing prices at the time of shipments.

The words Harley®, Harley-Davidson® and H-D® and all H-D® part numbers and model designations are used in reference only. Feuling Oil Pump Corporation is in no way associated with, or authorized by Harley-Davidson Motor Co®. to manufacture and sell any of the engine parts described in this instruction sheet.



## **FEULING® RACE SERIES® HYDRAULIC LIFTERS**



*FEULING® RACE SERIES® full travel hydraulic lifters are machined from a steel body and designed to exceed the needs of large lift camshafts and higher valve spring pressures with a slower bleed down rate. RACE SERIES® lifters maintain proper oil flow to the top end, increase engine RPM, valve-train stability, decreasing valve float promoting maximum valve lift.*

*Feuling® recommends Race Series® lifters for engines running higher than 185 Lbs. valve spring seat pressure. FEULING recommends the use of a high volume oil pump which will result in quieter, better performing lifters. Race Series® lifters are compatible with either FEULING® HP+® or Race Series® oil pumps and are designed for use with both street and strip engines. Spin-Tron dyno developed and track proven, Made in the USA.*

- Precision ground needle roller bearing with high chromium steel axle for long life and minimal friction
- Cold forged extra long piston, precision ground and fitted for controlled leak down and pump up
- High flow disc style quick reacting check valve for better reaction at higher RPM.
- Available in oversized diameters – Case Savers!
- Available with axle oiling
- Recommended for both strip and performance street engines
- Sold in sets of 4
- Made in the U.S.A.

<i>Part # 4050 Std. Diameter (0.842" - 0.8425") T/C® '99 – '16, XL&amp; Buell '00 – '16</i>	<i>\$269.95(set)</i>
<i>Part # 4051 Oversized Dia. (0.843" - 0.8435") T/C® '99 – '16, XL&amp; Buell '00 – '16</i>	<i>\$269.95(set)</i>
<i>Part # 4052 Oversized Dia (0.8435" - 0.844") T/C® '99 – '16, XL&amp; Buell '00 – '16</i>	<i>\$269.95(set)</i>

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