

**LYCOMING**  
A Textron Company

*Our latest engine innovation is ready to roll.*

Lycoming proudly rolls out the next advancement for its series of best-selling engines: roller tappets. This technology – proven by high-performance automotive engines and in our own test bed engines at the National Air Race Championships in Reno – offers a number of advantages over traditional flat tappets.

The roller tappet eliminates the sliding motion between the cam and tappet, improving wear and allowing the introduction of more advanced materials. Adding to its durability, the tappet's body and crankcase are designed to maintain proper alignment, ensuring the roller tappet cannot loosen or turn during engine use. Bottom line, Lycoming's new roller tappet technology improves upon the legendary durability of our engines and further enhances their reputation for reliability.



Lycoming roller tappets are another example of Lycoming innovation and help broaden the possibilities for other potential improvements in engine performance. And better yet, they're automatically included with every applicable factory overhaul. Contact your authorized Lycoming distributor for more details, or visit us online at [www.lycoming.com](http://www.lycoming.com).



Jon Sharp's Nemesis NXT experimental aircraft provided a key test bed for Lycoming's innovative roller tappet designs. Harnessing the power of this technology, Sharp took first place in the Sport Class Gold at the 2006 Reno National Championship Air Races.

### **FAA Certification**

Lycoming roller tappets are FAA Certified for most 320, 360, 540, 580 and 720 series engines. Check with your authorized Lycoming distributor to see if your plane can benefit from Lycoming's roller tappet technology.

### **Roller Tappet Testing**

- Dynamometer and Motoring Tests
- Extreme Condition Cold Start Tests
- FAA Certification Testing
- Tens of thousands of hours of stringent test time

### **In-flight Testing**

"Reno-tested for toughness"  
2003-2006 National Air Race Championships, Reno  
(Mike Jones' Glasair and Jon Sharp's Nemesis NXT)

