



TECHNICAL DATA FOR LOLLAR PICKUPS

Important considerations when using these charts

DC Resistance ($k\Omega$)

- DC resistance ($k\Omega$) is a handy but rough measure. The DC resistance of any given pickup will change based on other variables like temperature. For example if the pickup has been sitting in a sunny window and is warmer, the dc resistance will read higher. If you took that same pickup and stored it in your basement / practice room and it was cooler in temp, the dc resistance would read lower.
- The dc resistance will also read lower once the pickup has been installed into your guitar.
- Another factor is variation of copper wire. Although it's manufactured to rigorous specs, variation exists between spools of copper wire—including spools made by the same manufacturer and from the same lot number. A microscopic size variance that's still within specs can affect dc resistance.
- Equipment calibration can vary between ohm meters and can also change if your battery is low.

Magnets

- Magnet “strength”: To list magnet type like AL-2, AL-3, or AL-5 can be a little misleading. This is because we use our own proprietary techniques to gauss and/or de-gauss our magnets.
- AL-2, AL-3, AL-5 are not just a measure of oersteds or magnet strength. They also reflect different proportions of the other trace metals that are mixed with ferrous material. These different metal amalgams give different tonal qualities.
- Magnet type like AL-2, AL-3, AL-5 is also not a “stand-alone” thing. It has to be considered along with the type of wind. The results aren't necessarily “cut and dried.” In other words, you still have to do R&D on the overall sound. It's the variables added together that shape the overall sound.

Inductance (H)

- When iron or an iron-based (ferrous) metal moves within a magnetic field, it has the capacity to induce a current in any conductive material also in that magnetic field (i.e. the copper wire coil). This is inductance – a measure of the physical property to induce a current. In general, the greater the inductance, the greater the output and greater the bass response.



Strat® Style

| Pickup model & position | dc resistance (kΩ) | Inductance (Henry) | Magnet composition |
|----------------------------------|---------------------|--------------------|--------------------|
| Lollar Special S Series® | | | |
| Neck | 6.7 | 3.01 | AlNiCo5 |
| Middle | 7.1 | 3.26 | AlNiCo5 |
| Bridge | 7.6 | 3.6 | AlNiCo5 |
| Lollar Vintage Blackface® | | | |
| Neck | 6.4 | 2.50 | AlNiCo5 |
| Middle | 6.5 | 2.63 | AlNiCo5 |
| Bridge | 6.8 | 2.78 | AlNiCo5 |
| Lollar Vintage Blonde® | | | |
| Neck | 5.6 | 2.2 | AlNiCo2 |
| Middle | 5.8 | 2.46 | AlNiCo2 |
| Bridge | 6.0 | 2.68 | AlNiCo2 |
| Lollar Vintage Tweed® | | | |
| Neck | 4.9 | 1.7 | AlNiCo2 |
| Middle | 5.3 | 2.0 | AlNiCo2 |
| Bridge | 5.7 | 2.3 | AlNiCo2 |
| Chicago Steel® for Strat | | | |
| Bridge only | 7.0 | 5.24 | Ceramic |

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®Chicago Steel and Lollar Guitars are registered trademarks of Jason Lollar.

®Special S Series, Vintage Blackface, Vintage Blonde, & Vintage Tweed are registered trademarks of Jason Lollar.



Tele[®] Style

| Pickup model & position | dc resistance (kΩ) | Inductance (Henry) | Magnet composition |
|--------------------------------------|---------------------|--------------------|--------------------|
| Lollar Special T Series [®] | | | |
| Neck | 6.3 | 2.5 | AlNiCo5 |
| Bridge | 8.0 | 3.98 | AlNiCo5 |
| Lollar Vintage T | | | |
| Neck | 5.6 | 2.1 | AlNiCo5 |
| Bridge | 7.4 | 3.48 | AlNiCo5 |
| Lollar '52 T Series [®] | | | |
| Neck | 6.7 | 2.1 | AlNiCo2 |
| Bridge | 6.7 | 3.3 | AlNiCo2 |
| Lollar Staggered T | | | |
| Neck | 7.6 | 2.35 | AlNiCo3 |
| Bridge | 7.3 | 4.15 | AlNiCo3 |
| Charlie Christian | | | |
| Neck | 3.2 | 5.9 | AlNiCo2 |

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®Lollar Special T Series, Lollar '52 T Series are registered trademarks of Jason Lollar.



P-90s®

| Pickup model & position | dc resistance (kΩ) | Inductance (Henry) | Magnet composition |
|--------------------------|---------------------|--------------------|--------------------|
| Lollar P-90 / standard | | | |
| Neck | 8.2 | 6.5 | AlNiCo5 |
| Bridge | 9.15 | 7.4 | AlNiCo5 |
| Lollar P-90, '50's wind | | | |
| Neck | 7.1 | 5.36 | AlNiCo2 |
| Bridge | 7.4 | 5.66 | AlNiCo2 |
| Lollar P-90 underwound | | | |
| Neck only | 7.8 | 5.9 | AlNiCo5 |
| Lollar P-90, overwound | | | |
| Bridge only | 9.45 | 8.65 | AlNiCo5 |
| Lollar P-90, 3-piece set | | | |
| Middle/standard | 8.73 | 7.01 | AlNiCo5 |

® P-90 is a registered trademark of Gibson USA.

®Lollar Guitars is a registered trademark of Jason Lollar.



Miscellaneous Single-coil Pickups

| Pickup model & position | dc resistance (kΩ) | Inductance (Henry) | Magnet composition |
|-------------------------|---------------------|--------------------|--------------------|
| Charlie for Humbucker | | | |
| Neck only | 2.9 | 5.5 | AlNiCo2 |
| Lollar for Jazzmaster® | | | |
| Neck | 8.4 | 4.3 | AlNiCo5 |
| Bridge | 8.8 | 4.7 | AlNiCo5 |
| Stringmaster 8 | | | |
| Neck | 8.6 | 3.95 | AlNiCo5 |
| Bridge | 8.6 | 3.95 | AlNiCo5 |
| Stringmaster 10 | | | |
| Neck | 9.1 | 4.1 | AlNiCo5 |
| Bridge | 9.1 | 4.1 | AlNiCo5 |
| Chicago Steel® | | | |
| 6-string | 7.0 | 5.47 | Ceramic |
| 8-string | 8.5 | 6.5 | Ceramic |
| 10-string | 9.6 | 7.8 | Ceramic |
| For Strat (bridge) | 7.0 | 5.24 | Ceramic |

®Jazzmaster is a registered trademark of Fender Musical Instruments, Inc.

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Humbuckers

| Pickup model & position | dc resistance (k Ω) | Inductance (Henry) | Magnet composition |
|-------------------------|------------------------------|--------------------|--------------------|
| Lollar Imperial® | | | |
| Neck | 7.6 | 4.09 | AlNiCo2 |
| Bridge | 8.4 | 4.80 | AlNiCo5 |
| Lollar Low Wind | | | |
| Neck | 7.0 | 3.61 | AlNiCo2 |
| Bridge | 7.9 | 4.29 | AlNiCo5 |
| Lollar High Wind | | | |
| Neck | 8.4 | 5.0 | AlNiCo2 |
| Bridge | 9.3 | 5.9 | AlNiCo2 |
| Mini Humbucker | | | |
| Neck | 6.6 | 3.36 | AlNiCo2 |
| Bridge | 7.2 | 3.83 | AlNiCo5 |
| Firebird® | | | |
| Neck | 6.1 | 1.80 | AlNiCo5 |
| Bridge | 7.4 | 2.31 | AlNiCo5 |
| Fleetwood / Green | | | |
| Neck | 7.3 | 3.96 | AlNiCo2 |
| Bridge | 7.9 | 4.29 | AlNiCo5 |
| Imperial F-spaced | | | |
| Bridge | 8.86 | 5.0 | AlNiCo5 |
| Low Wind F-spaced | | | |
| Bridge | 7.9 | 4.36 | AlNiCo2 |
| 7-String Humbucker | | | |
| Imperial Bridge | 9.58 | 5.56 | AlNiCo5 |

®Firebird is a registered trademark of Gibson USA.

®Imperial and Lollar Guitars are registered trademarks of Jason Lollar.



Bass Pickups

| Pickup model & position | dc resistance (k Ω) | Inductance (Henry) | Magnet composition |
|-------------------------|------------------------------|--------------------|--------------------|
| Lollar Jazz style | | | |
| Neck | 7.9 | 3.5 | AlNiCo5 |
| Bridge | 8.5 | 4.0 | AlNiCo5 |
| Lollar Original P | | | |
| Single coil | 8.7 | 4.3 | AlNiCo5 |
| Lollar P-Bass | | | |
| Split coil | 11 | 6.1 | AlNiCo5 |

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