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### E-28 SERIES ELECTRIC

The 28 series of electric guitars was designed with the serious musician in mind. Consequently this narrows the market to which we will sell. We are not attempting to compete with instruments of lesser quality or price. With this in mind you should feel free to compare this instrument with any other instrument with similar features. You will find that the 28 series will fall in the lower half on price and in the upper half in quality.

Most instruments similar in quality as far as parts and workmanship will tend to be \$100 to \$500 more expensive (retail). Some instruments with which to compare the 28 series are B. C. Rich, Dean, Gibson Active Artist series, Alembic, Hamer, and Kramer.

The E-28 lead has an Amazonian mahogany neck which runs through the body. The truss rod which is anchored at the 21st fret and adjusted with a 5/16" socket wrench is covered with an ebony fingerboard and a micarta nut. This ebony fingerboard has a 24.9" scale with 24 nickel silver frets and mother-of-pearl dot position markers. The width of the fingerboard at the nut is 1 5/8". The headstock has a 15° pitch and there is a 4° neck to body pitch. Chrome plated enclosed tuning machines are used with a gear ratio of 1 to 14.

A new style Schaller guitar bridge is used on the body which is a double cutaway with total access to the upper playing register of the fingerboard. The body size of 19" in length, 12 7/8" in width and 1 3/4" deep is blended with a smooth arch on the top.

Two Seymour Duncan humbucking pickups, specially wound for the C. F. Martin Co., along with through-the-body neck construction and an active tone circuit provide an excellent combination of sustain and tonal variations.

The active electronics used on the E-28 lead and bass is an active tone circuit which gives the player a master bass and a master treble control with a gain or cut of 12 decibels. The tonal potentiometers have a center detent (flat spot) which depicts zero or a flat tonal response. If turned clockwise, you get a plus db and counterclockwise a minus db. There are 3 switches all of which are strategically located and angled for quick accessibility. One is a three position pickup selector. One is a phase switch which puts both pickups in and out of phase with each other. The third switch is an active bypass which enables the player to bypass the active tone circuit. If battery failure occurs the player can use the bypass switch and still have a playable instrument.

#### EB-28 BASS

The EB-28 bass also has an Amazonian mahogany neck which runs through the body. The truss rod is anchored at the 18th fret and adjusted with a 5/16" socket wrench. The ebony fingerboard has a scale length of 33.16", 22 frets and mother-of-pearl dot position markers. The width of the fingerboard at the nut is 1 9/16" and the nut itself is micarta. There is a 15° headstock pitch and a 4° neck to body pitch. Chrome plated tuning machines with a gear ratio of 1 to 14 and a Schaller bass bridge are used on the body which has the same body dimensions as the lead.

The pickups used on the EB-28 bass are DiMarzio. In the treble position a model J bass pickup is used and in the rhythm position a modified model P bass pickup is used. The modification on the P bass pickup was not done especially for the C. F. Martin Co. This pickup is only offered to OEM accounts and is not offered as a retail replacement pickup.

The preceding was a basic description of the 28 series. The following is a listed description which should answer some questions.

1. A micarta nut was used because it has proved itself to be very stable and is almost as dense as ivory. Brass was not used because it tarnishes quickly and the wound strings tend to groove themselves into the brass.
2. An ebony fingerboard was used because it wears well through time and its aesthetic value.
3. The strings used are Darco .009, .0115, .016, .026W, .036W, .046W on the E-28 lead and 9200L flat round wound on the bass guage, .047, .061, .082, .104.
4. Mahogany is light in weight and very stable. Woods tonal qualities are very subjective but mahogany tends to carry more of a mellow tone than a high crisp tone.
5. 24 frets on the lead allows a two octave range per string. The bass uses a 33.16" scale length and only 22 frets which limits the neck length and makes the neck more stable.
6. Seymour Duncan pickups were used on the lead because we liked the way they sounded. The quality and the fact that they would work closely with us and our specifications.

7. DiMarzio pickups were used on the bass because we felt that they were an excellent combination and sounded the best of the pickups that were available to us.
8. Active electronics were used to offer the player on board accessibility to greater tonal variations.

Any questions, please contact John Marshall. Thank you.