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Per NEMA 3.3.3 Cutting FMC & LFMC Conduit

There are three methods for cutting sections of Flexible Metal Conduit: **rotary armor cutters**, **hacksaws**, and **wire cutters** (such as diagonal cutters).

- **Rotary Armor Cutters:** These tools are specifically designed for safely cutting Flexible Metal Conduit and Armored Cable. With a few turns of the handle, the cutter makes a clean cut through the conduit's convolution.
- **Hacksaw:** If using a hacksaw, it is recommended to use a sharp blade with at least 32 teeth per inch. For best results, cut one of the convolutions at approximately a 60-degree angle.
- **Wire Cutters:** When using wire cutters, such as diagonal cutters, the armor can either be **broken** or **unwound**. To break the armor, bend the conduit at the desired cut point, twist the armor slightly, and insert the cutting pliers between the convolutions to make the cut. Be sure to twist the armor back into alignment with the convolutions before inserting it into the connector.

For **Liquid-tight Flexible Metal Conduit**, a square cut is required. This can be achieved using:

- A sharp hacksaw blade with at least 32 teeth per inch.
- Alternatively, a band saw with a 1/2" wide x .025" thick blade (24 teeth per inch, no set) and a blade speed of approximately 350 feet per minute can also be used.
- For larger conduit sizes, wrap reinforced tape around the circumference and cut directly through the center of the tape. This helps prevent the ends from flaring during the cut.