

TOOLBOX SAFETY TRAINING

Company _____ Location _____ Date _____

Vol 16 - No 22 DOUBLE-INSULATED TOOLS

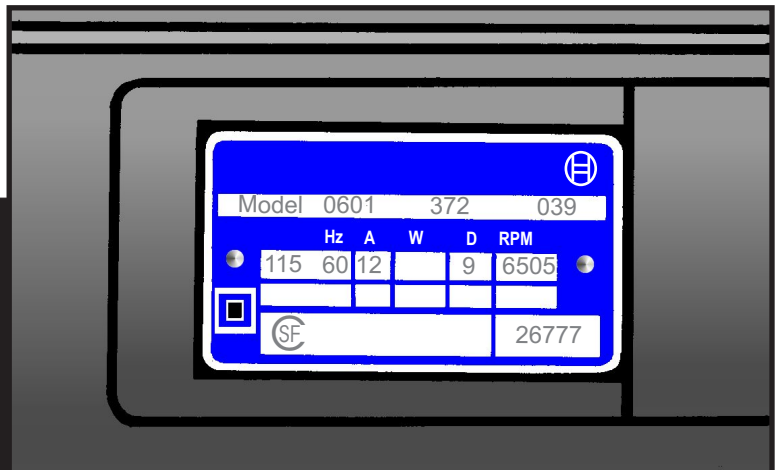
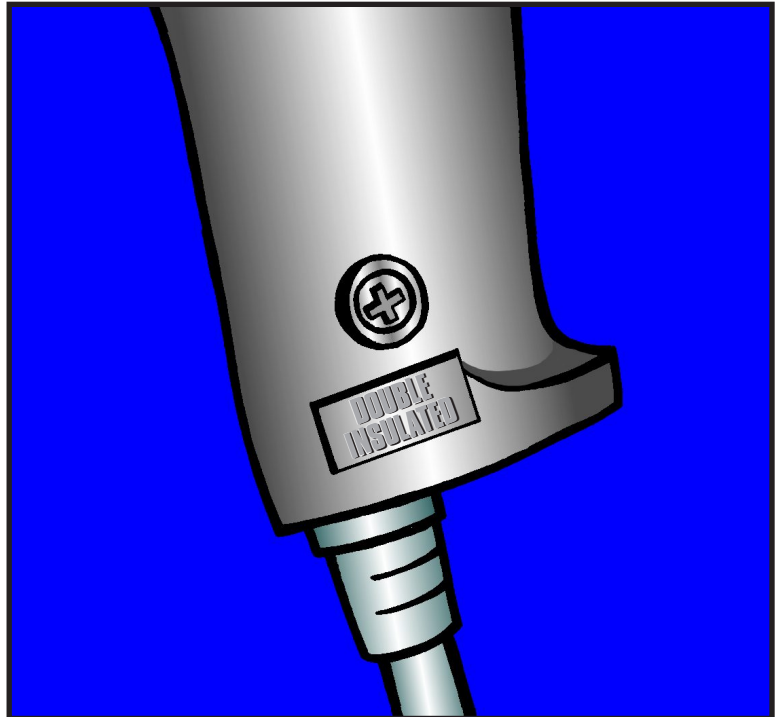
In the construction industry, employees are allowed to use their personal tools on the job sites. However, the tools must meet all regulatory compliance requirements just as if they were provided by the employer. To avoid the possibility of electrical shock, double-insulated tools should be used. Many home tools are not double insulated.

Double-insulated tools help protect against electrical shock. An electrical shock from a tool can occur due to worn wiring that causes exposed wire to touch the frame of an appliance. Double-insulated tools have an outer casing of plastic or some other nonconductive material and are the only tools with two-wire cord caps sold today that are approved by the Underwriters Laboratories (UL).

Each employee must understand that if their tools and equipment do not meet the minimum standards, the employer cannot allow them to be used on the job site. Tools and equipment must be inspected before each use and maintained in accordance with the manufacturers' recommendations.

1926.302(a)(1) "Double insulated tools"
Electric power operated tools shall either be of the approved double-insulated type or grounded in accordance with Subpart K.

1926.404(f)(7)(iv)(C)(6) Tools likely to be used in wet and/or conductive locations need not be grounded if supplied through an isolating transformer with an ungrounded secondary of not over 50 volts. Listed or labeled portable tools and appliances protected by a system of double insulation, or its equivalent, need not be grounded. If such a system is employed, the equipment shall be distinctively marked to indicate that the tool or appliance utilizes a system of double insulation.



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