

Module 1 – Tools of the Trade

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The Metal Buildings Institute proudly presents the Quality and Craftsmanship Series. This is the module on Tools of the Trade. During this module on Tools of the Trade you'll be able to navigate through the various types of tools and equipment that you are most likely to find on a metal building job site. The goal of this module is to teach you to visually recognize and name these various tools and construction equipment.

This DVD is not designed to instruct you on the proper operation of equipment or tools. Many of the tools and most of the equipment requires specialized or even certified training prior to safe and sometimes legal operation. It is your responsibility to familiarize yourself with all relevant OSHA regulations, state and local codes, as well as the normal and customary safe operating practices related to every one of these tools and equipment pieces prior to use. Additionally, you should read the manufacturer's operating instructions completely prior to use of any tool or equipment. Never use a tool or operate a piece of equipment when you are unsure about its proper operational procedures. Using a tool or piece of equipment improperly can result in damage to the tool, your building materials, or injury to you or those on the job site.

Remember your life and the life of others around your job site may be at risk from improper use. So if in doubt, don't.

Hand Tools

Ball peen hammer, carpenter's claw hammer, chipping hammer, large sledge, rubber mallet, small sledge, pipe wrench, socket set, ratchet, torque wrench, screw driver set, ratcheting box wrench, combination wrench, adjustable wrench, spud ratchet, adjustable head spud wrench, open end spud wrench, bull pin, drift pin, tool bag, wrench holder, sleeve bar, striking box wrench, wrecking bar, house broom, push broom, whisk broom, wire brush, paint brush, sponge brush, straight jaw locking pliers, curved jaw locking pliers, locking duckbill, locking C-clamps, crimper, C-clamps, adjustable C-clamp, diagonal cutting pliers, pliers, adjustable tongue and groove, duckbills, side cuts, tape measure, 300 foot tape, torpedo level, level, plumb bob, laser, Transit with tripod, chalk line reel and chalk, framing square, speed square, combination square, pens, scratch awl, right and left snips, straight snips, right and left offsets, offset straight, hacksaw, utility knife, pocket knife, center punch, carpenter's saw, cold chisel, caulking gun, pop rivet, stapler, mop, shovel, tool bucket, steel wedge, scraper tool, load binder, file, seamer.

Power Tools

Screwgun, 3/8 inch electric drill, half-inch electric drill, hammer drill, uni-bit, mag drill press, tension control gun, three-quarter inch electric impact wrench, half-inch electric impact wrench, air impact wrench, gas cut-off saw, two-cycle gas can, electric cut-off saw, nibblers, power shears, portable band saw, reciprocal saw, skill saw, steel cutting blade, wood cutting blade, power cut off tool, hole saw, arc welder, wire feed welder, torch, grinder, welding gloves, welding hood, torch repair kit, striker, tip cleaner, gas powered generator, standard gas can, extension cords, walkie talkies, GFI, electric rivet gun, leaf blower, Shop-Vac, heat gun, powder actuated gun.

Ladders and Lifts

Extension ladder, step ladder, electric scissor lift, gasoline scissor lift, diesel scissor lift, liquid propane scissor lift, articulating boom, electric boom, gasoline boom, diesel boom, liquid propane boom, two wheel drive boom, four wheel drive boom, rustgo wagon, fork with basket, baker's scaffold.

Personal Protective Equipment and Safety Gear

Hard hats, boots, particle mask, pants, shirt, gloves, respirator, safety and sun glasses, full face shield, goggles, welder's helmet, harness, standing seam retractable lanyard, personal retractable lanyard, beamers, safety post, orange delineator post, 3/8 inch safety grade cable, standing seam clamp, girder grip, caution tape, rebar caps, orange cones, eye wash, water jug, first-aid kit, fire extinguisher.

Material Handling

Extended boom forklift, straight mast forklift, crane, boom truck, chokers, nylon straps, spreader bar, spreader cables, super clamp, shackle, tagline, Christmas tree, banding system, come alongs, cable clamp, half inch steel cable, turnbuckles, ratchet straps, mastic, butyl caulk, gun grade caulk, double face tape, duct tape, adhesive spray, brush-on adhesive, acetone, rubber gloves, wipes, squeegee.

This concludes the module on Tools of the Trade.