**TOOLS FOR STEEL FABRICATION**

**CHIPPING HAMMER**

A chippinghammer is a tool used to remove welding slag from a weld and welding spatter from along side welds used to remove slag when standard arc welding is performed as slag is not produced when mig or tig welding is performed. Used to remove welding spatter in all welding processes.

**COMBINATION SQUARE**

A combinationsquare is a tool used for multiple purposes in woodworking, stonemasonry and metalworking. It is composed of a ruler and one or more interchangeable heads that may be affixed to it. The most common head is the standard or square head which is used to lay out or check right and 45° angles.

**FLAT CROSS-CUT BASTARD FILE**

A single-cut file has one set of parallel teeth while a cross-cut or double-cut file has a second set of cuts forming diamond shaped cutting surfaces.

**GAS/CUTTING TORCH**

A cutting torch head is used to cut materials. It is similar to a welding torch, but can be identified by the oxygen blast trigger or lever. ... It is the heat that continues the cutting process. The cutting torch only heats the metal to start the process; further heat is provided by the burning metal.

**EAR MUFF**

Earmuffs are objects designed to cover a person's ears for hearing protection or for warmth. They consist of a thermoplastic or metal head-band, that fits over the top or back of the head, and a cushion or cup at each end, to cover the external ears.

**LINEMAN PLIER**

Lineman's pliers, Kleins, linesman pliers and combination pliers, or simply pliers are a type of pliers used by linemen, electrical contractors and other tradesmen primarily for gripping, twisting, bending and cutting wire, cable and small metalwork components.

**MAGNETIC TORPEDO LEVEL**

A torpedo level is a spirit level designed for use in tight spaces.

**NEEDLE NOSE PLIER**

Needle-nose pliers are both cutting and holding pliers used by artisans, jewellery designers, electricians, network engineers and other tradesmen to bend, re-position and snip wire. Their namesake long nose gives excellent control while the cutting edge near the pliers' joint provides "one-tool" convenience.

**SAFETY GLASS (EYE GOGGLE)**

Welding goggles provide a degree of eye protection while some forms of welding and cutting are being done. They are intended to protect the eyes not only from the heat and optical radiation produced by the welding, such as the intense ultraviolet light produced by an electric arc, but also from sparks or debris.

**ROUND CROSS-CUT BASTARD FILE**

A file is a tool used to remove fine amounts of material from a workpiece. It is common in woodworking, metalworking, and other similar trade and hobby tasks. Most are hand tools, made of a case hardened steel bar of rectangular, square, triangular, or round cross-section, with one or more surfaces cut with sharp, ... Most files have teeth on all faces, but some specialty flat files ...

**SLEDGE HAMMER**

A sledgehammer is a tool with a large, flat, often metal head, attached to a long handle. The long handle combined with a heavy head allows the sledgehammer to gather momentum during a swing and apply a large force compared to hammers designed to drive nails.

**TAPE MEASURE**

A tape measure or measuring tape is a flexible ruler used to measure distance. It consists of a ribbon of cloth, plastic, fibre glass, or metal strip with linear-measurement markings. It is a common measuring tool.

**WELDING GLOVES**

Welding gloves are personal protective equipment (PPE) that protect the hands of welders from the hazards of welding. These gloves allow digit articulation while protecting the operator from electrical shock, extreme heat, and ultraviolet and infrared radiation, and also provide abrasion resistance and enhanced grip.

**WRENCH**

A wrench or spanner is a tool used to provide grip and mechanical advantage in applying torque to turn objects—usually rotary fasteners, such as nuts and bolts—or keep them from turning. In Commonwealth English, spanner is the standard term. The most common shapes are called open-ended spanner and ring spanner.

**WELDING HELMET**

A welding helmet is a type of headgear used when performing certain types of welding to protect the eyes, face and neck from flash burn, ultraviolet light, sparks, infrared light, and heat.



**ELECTRODE HOLDER (STINGER)**

An electrode holder, commonly called a stinger, is a clamping device for holding the electrode securely in any position. The welding cable attaches to the holder through the hollow insulated handle. The design of the electrode holder permits quick and easy electrode exchange.

**ANGLE GRINDER**

An angle grinder, also known as a side grinder or disc grinder, is a handheld power tool used for grinding and polishing. Although developed originally as tools for rigid abrasive discs, the availability of an interchangeable power source has encouraged their use with a wide variety of cutters and attachments.

**COVERALL**

A one-piece protective garment worn for heavy manual work; a boiler suit.

**SAFETY WORK SHEOS (LEATHER)**

Safety boots are shoes made with a protective reinforcement at the front making them quite durable. The reinforcement helps to protect the toes from falling objects or any kind of compression. They are normally installed with a sole plate in the main sole to prevent against punctures that may come from below.