

WELDING INSPECTION ESSENTIALS

The ultimate guide to markers and fillet gauges.

There are many applications in the metal working industry which require items to be identified and inspected, and a range of products is available to meet these varying needs.

PAINT MARKER OR PERMANENT INK MARKER?

Both can be used on a wide range of surfaces with permanent ink markers generally being faster-drying and inexpensive, but ink will tend to fade in direct sunlight and cleaning solvents will remove them easily.

Paint markers have a far greater resistance to atmospheric conditions and are more difficult to remove, even when solvents come into contact with them. This makes them the ideal choice for long-term marking applications.

INTRICATE OR GENERAL MARKING?

For small parts or when intricate shapes are needed, a marker with a fine nib should be selected, such as the Squeeze Marker with its durable metal nib for controlled paint delivery, allowing elaborate, detailed marking. For general-purpose marking applications, a pump-action paint marker is ideal. Fitted with a rubber grip handle, it can be used while a welding gauntlet is worn. Its pump-action tip optimises paint flow and produces clear, crisp-markings, making this an ideal marker for everyday application.

OTHER OPTIONS

When larger areas need to be marked, a large tipped marker should be selected, such as the Jumbo Marker which uses a



14mm-wide felt tip, with paint dispensed using a pump action for accurate application.

For parts that will be galvanized as part of the manufacturing process, a Metal-

Pro marker can be used. The paint simply dissolves, leaving no visible signs after the galvanising process.

Finally, when marking metals that are coated in oil, you will require the use of a marker with a trace of solvent in the paint mixture. This eliminates the bleeding of the paint in oil upon application. The Weldability Bottle Paint Marker is suitable for these and it features a metal roller nib where paint is delivered via a squeeze action, resulting in precise marking with the optimum amount of paint used.

HOW TO GAUGE THE RIGHT GAUGE FOR YOU

The fillet weld gauge is the most used measuring device in the welding inspector's kit, which is understandable considering the majority of the welds deposited are fillet welds. An MG11 Fillet Weld Gauge Set is ideal for measuring a range of fillet weld dimensions in imperial and metric units. It also comes in a handy pouch, ready to add to one's inspection kit.

Just as convenient is the Pocket Fillet Gauge, a little red number that allows simple measurement of fillet leg length and throat thickness. Suitable for 3.5mm, 6mm, 8mm, 10mm, 12mm, 16mm, 20mm and 25mm leg length welds, all increments are clearly engraved on the gauge. Secured together with a stainless-steel chain, the Pocket Fillet Gauge is manufactured from 2mm thick aluminium, making an ideal every day tool for the Responsible Welding Co-Coordinator. ●

sif tips



Technical advice in the original SifTips style was started in 1932. 'Sifbronzing' is an almost universally recognised way of describing the low temperature bronze welding of sheet steel, cast iron and other metals. This explains why Sifbronze, the company which first developed and promoted the technique, is generally considered to be a supplier of high quality welding rods, wires, fluxes and equipment.

'Will the Welder' was a SifTips magazine that was produced in the early 1930s. The aim was to provide users with ideas and tips on how to get the most out of their welding equipment.

Sif is renowned for its UK manufacturing heritage as well as its complete range of quality welding consumables used globally for almost a century.

Weldability Sif

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