TUFFALOY paddle-type holders

This holder is for welding in very restricted areas. It provides a very low head height and a four-inch offset. It is made in shank diameters of 3/4, 7/8, 1, and 1-1/4 inches. An adapter bushing is used to add a 1-1/2-in. dia. model to the line. Each holder comes complete with a socket-type tip (SE-3101) and holding screw. The tip may be inserted in either side of the paddle. Holders are of Class 2 alloy. Tips are available in Class 1, Class 2, Class 3 alloy, or Z alloy.

The four socket-type tips shown here can be used in special welding fixtures and dies as well as in the paddle-type holders.

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TUFFALOY HEAVY-DUTY
Paddle-Type Holders and Tips

TUFFALOY heavy-duty paddle-type holders are made of the stronger Class 3 alloy, for greater rigidity and minimum deflection, even under loads of 1000 pounds and more. Class 3 alloy provides 154% more tensile strength (up to 100,000 psi). Head height is a low 3/4 in. and the shank length is a usable 4 inches.

Three low-profile electrodes of Class 2 alloy are offered for use in this heavy-duty holder. If applications permit greater head height, any standard No. 4 RW tip may be used.
Tuffaloy high pressure welding

HIGH PRESSURE TIPS

Spot and projection welding operations utilize pressures over 2000 lb. Tuffaloy high-pressure tips have flat bottoms. Elimination of the usual tapered-sockets and tip-jamming. Assembled tip and holder heights are always the same, as contrasted to tapered tips which can be forced into the sockets varying distances.

Tuffaloy high pressure tips can be used in the two holder styles shown: PM holders for mounting on the platens of press-type welders, and straight holders for spot welder arm mounting. The tips are held to the holders by a threaded coupling. Copper tungsten faced tips are available for high pressure wear and projection welding.

STRAIGHT HOLDERS CLASS 2 ALLOY

Straight holders are made for carrying Tuffaloy high pressure tips in rocker arm welders or press-type welder horn extensions. They are made in two basic sizes, to accommodate the Size 1 and 2 tips. They are of Class 2 alloy and hold the tips in the same manner as do the PM holders.

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