Swivel tips have ball-jointed swivel heads to compensate for minor misalignment, and to eliminate marking of the work surface. They are all machined from Class 2 alloy bar stock. The S-Series tip water hole does not reach the head. In the OS and OSH models, the water does contact the head, and O-rings are used to seal it. Class 1 and class 3 heads are also available.

The Giant
The Giant swivel-head electrode for projection welding has a face 2-1/2 inches in diameter, a double O-ring seal, and a replaceable head. It is ideal for accomplishing uniform set-down of multiple projections. It is the largest tip TUFFALOV offers from stock. If a larger one should be needed, TUFFALOV is prepared to supply it. 7 RW.

Refactory metal-faced tips

The TUFFALOV copper-tungsten and copper-molybdenum faced tips listed here withstand greater heat and pressure, at the expense of some conductivity. Besides being used for spot welding high resistance base metals, they are useful in achieving "heat balance" when welding dissimilar metals. (The higher resistance electrode is used against the lower resistance, or thinner, member, to help contain the heat generated.) They have the same diameters and tapers as the standard straight tips in this catalog. Bodies are of Class 1 alloy. Lengths other than those shown can be ordered.