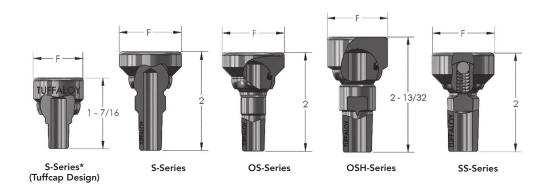
SWIVEL TIPS TUFFALOY

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 (C18200) bar stock. The S- and SS-Series tip water hole does not reach the head. In the OS and OSH models, the water does contact the head, and Orings are used to seal it. In the SS Series a spring is used to keep pressure on head for better positioning. Class 1 (C15000) and Class 3 (C18000) heads are also available.

Note: Standard swivel tilt is approximately 18', a 25' swivel is available on request. Add suffix "-HS" to above part number.



Taper No.	Face Dia. 'F'	S-Series		OS-Series		OSH-Series		SS-Series	
		Descrip- tion	Part No.	Descrip. tion	Part No.	Descrip- tion	Part No.	Descrip- tion	Part No.
5-CT*	7/8 1 1-1/4	S-248 S-249 S-250	182-0248 182-0249 182-0250						
4RW	7/8 1 1-1/4	S-348 S-350 S-351	182-0348 182-0350 182-0351	OS-348 OS-350 OS-351	182-1348 182-1350 182-1351				
5RW	7/8 1 1-1/4 1-1/2 2	S-349 S-353 S-354	182-0349 182-0353 182-0354	OS-349 OS-353 OS-354	182-1349 182-1353 182-1354	OSH-353 OSH-354 OSH-356 OSH-358	182-2353 182-2354 182-2356 182-2358	SS-353 SS-354	182-3353 182-3354
7RW	2-1/2					3360	182-3360		

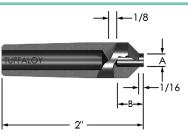
*Will fit Tuffcap adapter shanks having No. 5 RW tapers, as shown on page 8.

TUFFALOY

REFRACTORY METAL-FACED TIPS

Nose			Dimensions		Descrip-	Part	
Type			A B		tion	No.	
Pointed	4RW 4RW 5RW 5RW 5RW	14 13 11 14 13	3/16 3/16 1/4 1/4 1/4	3/8 3/8 3/8 3/8 3/8 3/8	A-2408-100M A-2408-100W A-2508-10W A-2508-100M A-2508-100W	185-0120 185-0130 185-0150 185-0160 185-0170	
Dome	4RW	11	1/2	1/4	B-2408-10W	185-1110	
	5RW	11	5/8	1/4	B-2508-10W	185-1120	
	5RW	13	5/8	1/4	B-2508-100W	185-1170	
Flat	4RW 4RW 4RW 5RW 5RW 5RW	11 14 13 11 14 13	1/2 1/2 1/2 5/8 5/8 5/8	1/4 1/4 1/4 1/4 1/4 1/4	C-2408-10W C-2408-100M C-2408-100W C-2508-10W C-2508-100M C-2508-100W	185-1210 185-1220 185-1230 185-1250 185-1250 185-1260 185-1270	

The **TUFFALOY** copper-tungsten, tungsten and 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 2 (C18200) alloy. Lengths other than those shown can be ordered.



POINTED NOSE 'A'

