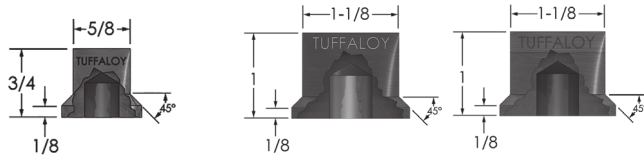


## HIGH PRESSURE TIPS

Spot and projection welding operations may utilize pressures over 2000 lbs. TUFFALOY high-pressure tips have flat bottoms which eliminates tip jamming in tapered holders. 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.

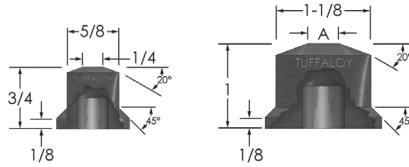
### FLAT FACED



Size 1 PMC-2503  
Part No. 180-2203  
Part No. 180-2203-10W

Size 2 PMC-2104  
Part No. 180-1040  
Part No. 180-2104-10W

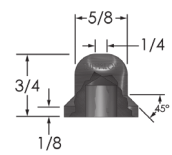
### TRUNCATED CONE



Size 1 PME-2503  
Part No. 180-2303

| Size 2 |             |          |
|--------|-------------|----------|
| 'A'    | Description | Part No. |
| 1/4    | PME-21041   | 180-1041 |
| 5/16   | PME-21042   | 180-1042 |
| 3/8    | PME-21043   | 180-1043 |
| 7/16   | PME-21044   | 180-1044 |
| 1/2    | PME-21045   | 180-1045 |

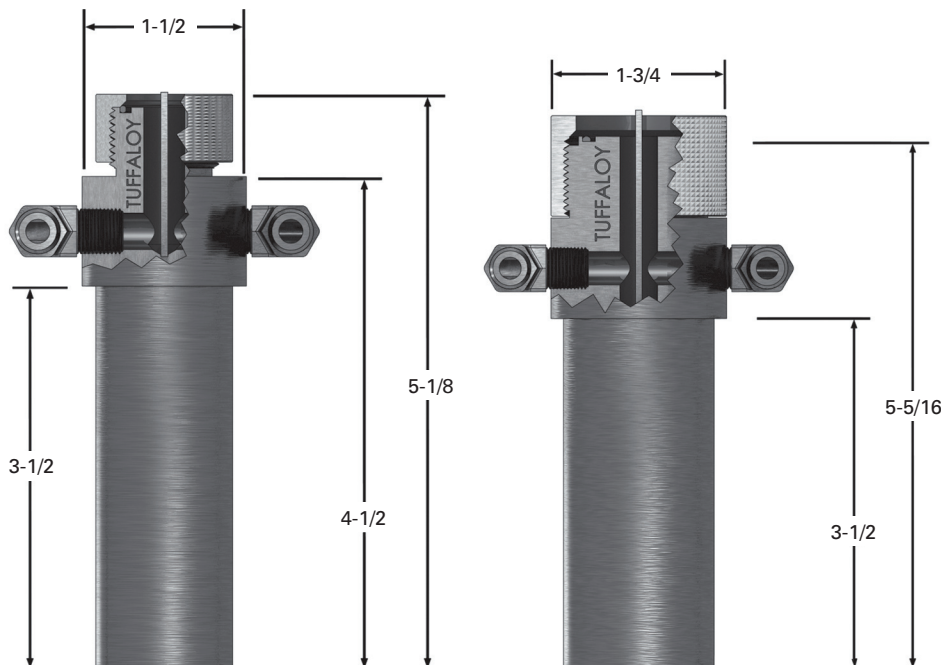
### DOME NOSED



Size 1 PMB-2503  
Part No. 180-2103

## 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 Size 1 and Size 2 High Pressure tips. They are of Class 2 (C18200) alloy and hold the tips in the same manner as do the PM holders.



| Size | Barrel Dia. | Description | Part No. |
|------|-------------|-------------|----------|
| 1    | 1           | 4511        | 350-4511 |
| 1    | 1-1/4       | 4512        | 350-4512 |
| 1    | 1-1/2       | 4513        | 350-4513 |
| 2    | 1-1/4       | 4521        | 350-4521 |
| 2    | 1-1/2       | 4522        | 350-4522 |