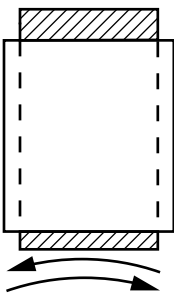


## Brush Holders

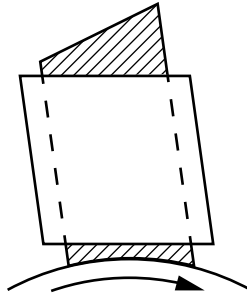
Brush holders may be divided into two broad classes; one in which the brush is rigidly attached to a swivel arm, and the other in which the brush is free to slide in a supporting box.

Slide-type holders are generally classified according to the angle at which the brush meets the collector. This may be:



### **Radial**

When the brush centre line is radial or normal to the collector surface.



### **Trailing**

When the inclination of the brush centre line to the radial line is 'with' the rotation.

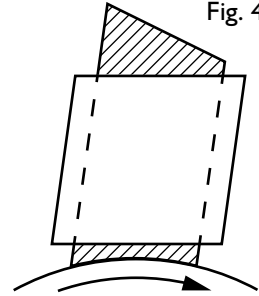


Fig. 4

### **Reaction**

When the inclination of the brush centre line to the radial line is 'against' the rotation.

## Fitting Brushes and Holders - General points

### Clearance between Brush Holder and Collector

Set the holder so that the distance between its lower edge and the collector is approximately 2.5mm – If this distance is less than 2mm or more than 3mm re-set the holder, using the adjustment provided in the holder/clamp assembly, or by adjusting the brush arm.

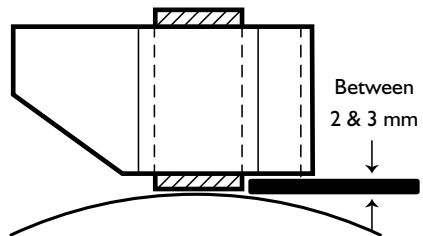


Fig. 5: Brush Box Clearance