

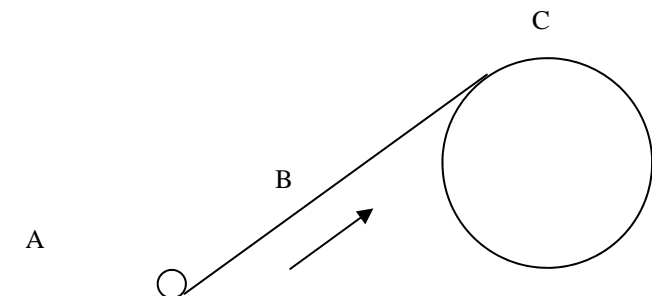
## SOLUTIONS TO STATIC PROBLEMS

Positioning of passive static dischargers on winders is important - if they are in the wrong place their effectiveness will be greatly reduced. The following notes give an introduction to the factors which should be considered.

### Centre Winders

Position (A) may be the easiest place to position a discharger, but it is also the least effective place because the charge is re-generated by the guide roller and also multiplied by the accumulating action of the reel.

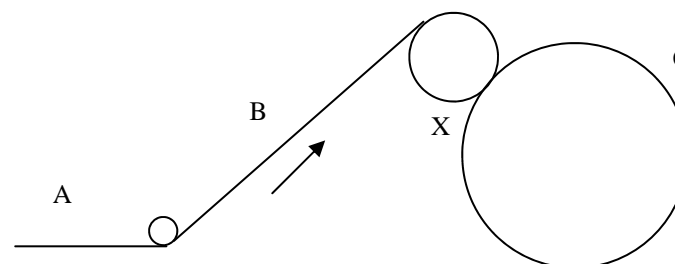
Position (B) is better than (A) but there will still be an increase in charge as the reel accumulates small charges like batteries in series.



### Winder with Lay-on Roller

Positions AA) and (B) are equally bad because the whole charge is likely to be regenerated by the lay on roller in the exit nip (X).

Position (C) is the best option - riding on the reel as it grows. You can achieve over 80% charge reduction with this arrangement.



Position (C) is the best position for 801 Anti-Static Tinsel or 850 Anti-Static Cord. Draped over the reel so that it will not get caught in the winding process you can achieve a 90-95% reduction in charge.