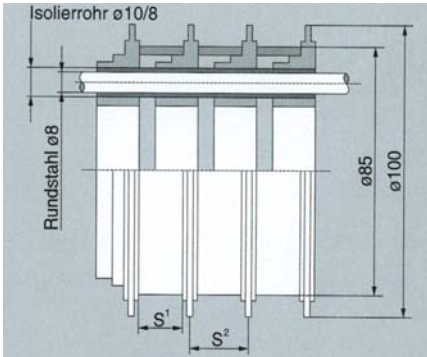


# SELF CONTAINED MODULAR

## slipring assemblies type KV



Amp	S1	S2
40/60	10	17
100	13	20

Morgan Industrial Carbon can satisfy all of your modular slipring requirements with our KV range.

Assemblies can be built up to provide a maximum number of 20 rings. The units are stacked on M8 rods with insulated tubes.

### Overview

The slipring system consists primarily of insulation disks and brass rings that are assembled in order on insulated rods. The cable connections to each of the sliprings are made to the terminal inside each ring during the assembly procedure.

### Installation – KV Ring assembly

The stud on the inside of the sliprings is offset towards one edge of the ring. The edge where the stud is closest should be assembled against each insulation disc where there is a section cut away to allow for the stud positions. This allows the spigot on the next insulation disc to correctly sit onto the top of the ring without fouling on the stud as it would if incorrectly assembled.

The terminal on the inside of subsequent rings should be positioned at 90° from the previous ring to stagger the electrical connections and avoid shorting between cable lugs. Insulated barrel lugs are recommended.

The brush holders should be mounted on an insulated 13mm diameter rod positioned so there is a distance of 40-42mm between the surface of the brass slipring and the centre line of the mounting stud. It can be an advantage to put two studs 180° apart and alternate the holders on each ring. This gives more electrical clearance between adjacent brush holders and also balances the mechanical force on the slipring stack from the spring pressure exerted by the holders.

The brushes should be bedded in by using a strip of garnet paper the width of the ring, placed on the ring with the abrasive side facing out toward the brush faces. The tape is worked back and forth until the brush face is profiled to the shape of the slipring. The amount of bedding can be minimised by ordering pre-radiused brushes.

### Maintenance

Approximately every 6 months the assembly should be inspected and cleaned of any carbon dust that may have accumulated. Particular care should be taken to brush off any deposits from the brush holder mounting posts between the brush holder clamps. Use a dry clean paint brush and then suck out or blow out any other carbon deposits from the complete unit.

