

Grade	Application C-Commutator S-Slipring	Resistivity micro-ohm-cm	Transverse Strength Kgf/cm ²	Apparent Density gms/cc	Scleroscope Hardness shore	Contact drop Vollt/brush	Current density Amps/cm ²	Coefficient of friction	Max. Operating speed mtr/sec	Pressure gf/cm ²	Application Guidance
M14R	S	5.50	710	6.4	9	0.40	23.1	0.17	20	140	Highly conductive and low wearing grade specially used on sliprings with high current density.
M14E	S	6.00	710	5.66	8	0.40	23.2	0.17	20	140	Lucas design, Induction motors sliprings, Circuit breakers and Elevator controller contacts.
M14ES	AUTO	6.00	710	5.66	8	0.40	17	0.17	20	140	A special grade developed to suit Lucas 12V Self starters.
M15E	S	13.5	345	4.58	8	0.40	15	0.17	30	210	Rotary converters and Induction motor Sliprings of AEL, Siemens and NGEF
M16EX	S	68.0	475	3.86	18	0.40	11.5	0.13	30	210	Special grade with extremely smooth texture and very low friction. Suitable for LUCAS 24V Self starters.
M18E	S	80.0	465	3.57	18	0.40	11.5	0.17	30	140	Highly lubricating grade with low metal content used in Leyland Comet and CAV self starters, slip rings of induction motors and welding generators.
M145E	S	11.0	480	4.65	9	0.40	8.5	0.17	30	175	Most suitable for Induction motors slip rings. Approved for Slip ring motors.
M16E	C-S	68.0	475	3.86	18	0.40	11.5	0.13	30	210	Rotary converters and Induction motor sliprings of NGFE make and generators from 12-30 Volts.
M17E	S	135	255	3.60	15	0.40	11.5	0.13	30	210	Suitable for sliprings for totally enclosed Induction Motors.
M185E	S	160	225	3.35	16	0.40	11.5	0.17	30	140	Suitable for screen wiper motors and Auto Alternators.
BM51	S	38.0	1150	5.60	11	0.40	23.1	0.17	30	140	For Earthing Brushes of Locomotives and for very special slipring applications.
M100	C	1100.0	240	2.00	25	0.55	11.5	0.13	30	140	Highly lubricating grade with very low metal content.
CM+0	C	7.00	850	6.30	7.5		18		20	490*	A highly metallic clean running grade, widely used on automobile starters. Particularly suitable for commutators with flush insulation.
	S						20				
CM122	C	1150.0	335	2.75	21	0.6	11	0.1	30	140-280	A 50% Resin bonded Copper gradesuitable for low voltage d.c. machines.
	S						12				