

Grade	Application C-Commutator S-Slipring	Resistivity micro-ohm-cm	Transverse Strength Kg/cm ²	Apparent Density gm/cc	Scleroscope Hardness Shore	Contact drop Vol/finch	Current density Amp/cm ²	Coefficient of friction	Max. Operating speed min/sec	Pressure gf/cm ²	Application Guidance
EGO	C	1200	160	1.55	37	0.95	11.5	0.11	20	180	High Conductivity-suitable for Low Voltage, high current machines, also medium size slow speed D.C Motors and Hydro Exciters.
EGOR	S	1200	195	1.55	41	0.95	10	0.11	20	180	Oil impregnated to increase its operating speed. Recommended for steel and bronze sliprings of low current density.
EG 2	C	2850	140	1.62	47	>0.60	8.5	0.15 - 0.20	20	175	Suitable for slow speed F.H.P. Motors. Also used on fan motors.
EG3	C	2900	165	1.67	53	1.15	8.5	0.13	20	140	Recommended for small and medium size industrial motors
EG3D	C	3000	262	1.68	57	>0.60	8.5	0.15 - 0.16	40	210	Impregnated to increase strength. Suitable for traction auxiliaries, carriage fans.
EG10	C C-traction	3050	175	1.68	70	0.60	9.5 9.5	0.10 - 0.20	30 30	175 - 420	Suitable for use on D.C Machines of moderate speed and on A.C. Motors a low voltage betwen adjacent segments.
EG11	C	2100	188	1.68	87	0.92	12.5	0.11	50	180 - 210	Used on medium and large industrial D.C. Machines. Also recommended for Aircraft Generator but with suitable high altitude treatment.
EG11S	C C-traction	2500	175	1.57	63	0.90	12.5	0.10	50	180 - 210	Fairly dense and strong grade. Suitable for medium size D.C Machines. Also used on high speed traction motors of A.C. locos.
EG12	C	2500	175	1.57	63	0.90	12.5	0.10	50	180 - 350	A cool running grade with good current collecting and commutating properties suited to D.C. Machines of sustained high output or prolonged overload like welding generator.
EG109	C	4500	360	1.8	87	> 0.41	12.4	0.20	50	280-520	A strong grade with a good commutating ability. It is very suitable for Diesel traction motors and generators and for D.C traction motors.
EG111	C	4500	170	1.6	87	>0.60	10	< 0.10	50	180	A very open structure material with film recovery property and commutating ability. Most suitable for motors with fluctuating load.
EG114	C	4000	190	1.52	57	> 0.70	11	> 0.10	60	180	Similar to EG111, impregnated to give quicker film forming property. Suitable for light load applications.
EG116	C	5350	165	1.63	70	1.20	11	0.11	50	210	Good collecting, commutating and film forming ability. Suitable for wide range industrial D.C machines of modern design.
EG116S	C-traction	5000	210	1.67	70	0.87	12.5	0.12	50	490	An open texture and cool running grade with good collecting, commutating and film forming ability. Particularly suitable for use on traction motors of high speed A.C locos.
EG119	C	4800	320	1.75	66	1.3	12.4	0.08	35	210-350	A high contact drop grade for difficult commutating conditions. Particularly suitable for A.C. traction motors.
EG123		3000	140	1.55	62	0.86	10	0.12	50	180	An open texture grade with good current collecting and commutating properties. Suitable for D.C Machines of sustained high output, particularly welding generators, low voltage machines and BEV motors.
EG12K	C	3000	140	1.55	42	>0.60	10	0.10 - 0.16	50	175	Used mainly in Welding generators.
EG14	C	4900	175	1.57	62	0.92	10	0.16	45	210	A popular industrial grade suitable for wide range of D.C motors and generators with steady load and not too difficult commutating conditions, used on train fighting dynamos with good collecting and commutating ability and brush life.
EG14D	C C-traction	4900	225	1.67	66	1.10 0.82	10	0.10 0.20	30 50	210 280-350	Stronger version of EG14 with long life. Suitable for heavy loaded D.C motors and generators. Can withstand severe mechanical shocks.
EG16	C	4000	185	1.58	57	> 0.6	70 11	0.10 - 0.15	10000 50	3.0 210	Porous structure to give good and stable current collection. Good commutating ability.
EG16K	C	5253	160	1.55	57	1.05	12	0.10	50	210	Similar to EG16; used in traction auxiliary application.
EG17	C	4000	210	1.58	66	> 0.7	65 10	0.10 - 0.15	10000 50	3.0 210	A grade suitable for use under fluctuating load conditions such as steel mill motors and generators. Particularly good on large reversing blooming mill motors.
EG105	C C-traction	5250	210	1.62	70	1.10 0.95	10	0.10 0.13	50	210 - 490 490	a newly developed grade suitable for high speed traction motors of A.C locos. Very good commutating and light load running ability. A grade of medium strength. Recommended traction pressure not to exceed 350gms/cm ²
EG105S	C	5250	210	1.62	70	0.87	12.5	0.12	50	490	A stronger version of EG105 having low friction and good commutating ability. Particularly suitable for traction motors and some industrial applications.
EG205		2500	200	1.63	67	1.25	10	0.05	50	210	A grade with low coefficient of friction and suitable for operation in hydrogen. It is also suited for use on the rings of totally enclosed machines with silicone impregnated insulation.