



CARBON BRUSHES

TYPICAL GRAPHITE GRADES

Grade classification I Natural graphite
Mainly used on steel slip rings for high speed applications. Appears as **G4, G160, LFC3A, LFC557, TG111, TD931, HM6R, 634, RE50, F19**

Grade classification II A Electro graphite
Grey coloured soft grades mainly used on slip rings and on commutators when low loads occur. Appears as **EH1, EH3, EG34D, E43, E46, G158, EG0, EG260, AY, RE92, RE54**

Grade classification II B Electro graphite
Black relatively hard grades with good commutating abilities. Appears as **G151 G162, 6677, EG367, EG332, SA35, SA45, E49, E50, RE59W**

Grade classification II C Electro graphite
Black, hard, general purpose DC motor and generator grades for high load applications. Appears as **G157, EH34, EG98B, 255, E27, RP5U**

Grade classification III Resin bonded graphite
Mainly used on AC commutator motors and universal motors. Appears as **G141, G124, 621, BG469, BG530, RX65, RX90, IM102, IM23, F45, F46**

Grade classification IV Amorphous carbon
Mainly used on small fractional HP motors. Appears as **H2, H4, H8, 450, AA, A, C4, RH30, A107**

Grade classification V A Metal graphite
Grades with copper contents between 60-75%, mainly used on slip rings. Appears as **M63, M65, M70, CG65/35, CG75, MK65, EN1350, A12S, CM5H, C39, RC67, RC73**

Grade classification V B Metal graphite
Grades with high copper contents, mainly used on slip rings high loads. Appears as **M87, M195, M291, CM0, CM1, OMC, MC79P, B91, B101, C151, RC87, RC95**