

IS 13466 : 1992 — Brushes for Electrical Machines

The brushes specified in IS 13466 are designed for electrical machines operating on DC or AC systems, providing efficient conduction between stationary and rotating parts. These carbon brushes are commonly used in motors, generators, and other rotating machinery, where they ensure smooth energy transfer, reduce wear, and maintain consistent contact.

Desirable properties include high conductivity, durability, wear resistance, and effective self-lubrication to minimize friction and heating. The flexible connections are reinforced to withstand mechanical stress, and specific materials and construction techniques are used to enhance thermal stability and electrical reliability.

Tests carried out on these brushes include dimensional accuracy, pull-out strength, and connection drop tests to ensure strong mechanical and electrical connections. Additional acceptance tests verify the brush's durability, workmanship, and consistency in performance. These tests ensure that the brushes meet the high standards required for long-lasting performance in demanding applications