



Description

St. Marys Carbon Brushes are manufactured from the highest quality carbon graphite, electrographite, resin-bonded graphite, copper graphite, silver graphite and other metal graphite materials to suit your specific OEM or aftermarket application. All of our brushes, from the blending of raw materials to the finished product, are made in-house by our specialized craftsmen.

**St. Marys Carbon is a custom solution provider. No matter your application or product needs, contact us and we will find a solution.*

Features & Benefits

- **Anti-Welding / Melting:** Prohibits welding and melting to other metal surfaces due to the composition and quality of our grades.
- **High Conductivity:** Provides consistently high conductivity as only the purest metals and materials are used.
- **Oxidation-Resistant:** Resists chemical degradation of the surface material for use in extreme conditions.
- **Self-Lubricating:** Reduces friction/wear and maintenance and increases stability at high temperatures.

Typical Applications

- Appliances
- Conveyors / Hoists
- Elevators
- Forklifts / Lift Trucks
- Light / Heavy Duty Vehicles
- Overhead Cranes
- Power Tools
- Rail Systems

Key Markets - Aerospace, Automotive, Construction, Mining, Power Generation, Renewable Energy, Transport

Specifications - Below are St. Marys Carbon's top recommended grades, which are produced in-house.

Properties English Units

Grade	Density (lbs./ft. ³)	Flexural Strength (psi)	Current Capacity (Amps/in ²)	Scleroscope Hardness	Volts Contact Drop	Coefficient of Friction	% Metal	Applications
B-16	102.96	4,000	75	60	High	Low	N/A	Industrial Brushes
B-17	96.72	4,500	65	65	Very High	Medium Low	N/A	Industrial Brushes
B-86	102.96	4,000	65	40	Medium	Low	N/A	Industrial Brushes
B-119	94.22	3,500	60	50	Very High	Medium Low	N/A	Industrial Brushes
F-90	171.60	4,500	100	30	Low	Low	42%	Industrial Brushes