



Description

ARC™ Electrical Contacts / Collector Shoes are manufactured from the highest quality, proprietary materials. St. Marys Carbon has carbon graphite, electrographite, resin-bonded graphite, copper graphite, silver graphite and other metal graphite materials to suit your specific application. All of our electrical contacts, 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

- **Conveyors / Hoists**
- **Electric Vehicles**
- **Elevators**
- **Mobile Cranes**
- **Monorails**
- **People Movers**
- **Rail Systems**
- **Revolving Lights**

Key Markets - Aerospace, Automotive, Construction, Industrial, Mining, Power Generation, Transportation

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
G-60	411.84	11,000	150	<20	Low	Medium	96%	Electrical Contacts / Collector Shoes
G-98B	393.12	12,000	150	<20	Low	Medium	97%	Electrical Contacts / Collector Shoes
G320	405.60	30,000	150	<20	Low	Medium	96%	Electrical Contacts / Collector Shoes
G257	393.12	22,000	<20	Low	Low	Low	95%	Electrical Contacts / Collector Shoes
B-17	96.72	4,500	65	65	Very High	Medium Low	N/A	Electrical Contacts / Collector Shoes
FL-57	146.64	8,000	70	75	Medium	Low	N/A	Electrical Contacts / Collector Shoes
A-96	98.59	4,000	50	45	Medium	Medium	N/A	Electrical Contacts / Collector Shoes
B-96	102.96	3,000	65	45	Medium	Low	N/A	Electrical Contacts / Collector Shoes