CONTACTS and Contact ASSEMBLIES

GRAPHALLOY, with its inherent non-welding and arc-quelling characteristics, is used extensively for contacts especially where positive breaking of a circuit is essential.

GRAPHALLOY contacts are particularly valuable for interrupting highly inductive or heavy overload currents such as in circuit breakers, controllers, contactors, and relays.

Low resistance and low current drop give GRAPHALLOY contacts extra current-carrying capacity without overheating.

These Standard Shapes (in various sizes) are available for prompt shipment:

1. Flat contact against radiused contact, with radius at least twice larger than contact diameter.
2. Solid rivet: flat, circular, square or rectangular.
4. Contact press-fitted into cup, with or without threaded stud.
5. Contact soldered in clip or welded to leaf spring.

Here and on the following pages are a few drawings of representative contacts.

**GRAPHALLOY**

Specification Factors:

1. For promoting better contact operation
   1.1 Firm contact pressure
   1.2 Wiping action for positive contact
   1.3 High closing and opening speeds
   1.4 No bounce at closing or opening

2. For greater current capacity of contacts
   2.1 High contact pressure
   2.2 Material with high electrical conductivity
   2.3 Material with low contact resistance
   2.4 Effective ventilation
   2.5 Large cross section for optimum heat conduction to limit temperature rise

NOTE: Normal current density in “steady state” is 25 to 100 amperes per square inch. Maximum inrush current approximately five times steady state current.

Please fill in our Contact Inquiry Form 203 and send it to us. We shall be glad to submit a design which our engineers consider most suitable.

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