

Cast Iron Electrodes:

Cast iron is an alloy of iron with a carbon content of 2 – 5%, Silicon content of 1 – 3% and up to 1% of manganese.

The major types of Cast Iron are:

- ✚ Grey cast iron
- ✚ Nodular cast iron
- ✚ Malleable cast iron
- ✚ White cast iron

Cast iron has very low ductility, low strength and is very brittle. It is generally alloyed or heat treated for improving these properties. The high carbon content adversely affects the weld ability of cast iron. Out of the grades mentioned above, white cast iron is considered unweldable for all practical purpose. The other types can be welded successfully with the consumables available.

