



Application Data

Crane wheels

Description

Double flanged crane wheels for use on five- and ten-ton cranes to be used at rocket launching sites.

Material

AMPCO® 18.23 Sand cast, heat treated and finish machined

Advantages

Cranes at the sterilization assembly area and propellant laboratory of the Jet Propulsion Laboratories, Explosive Safe Facility (Cape Kennedy), must be equipped with spark-resistant materials. It is especially important that the wheels on such cranes be spark resistant; and, therefore, they were cast in Ampco 18.23 HT alloy to meet these requirements. These Ampco crane wheels also meet specified requirements for high strength and toughness for wear resistance.

Cranes used in the course of manufacture and assembly of parts for rockets that will be used in future space shots at the Cape, must be corrosion resistant to salt water atmosphere as well as being spark resistant. Ampco 18.23 HT alloy meets all of these requirements. Forged steel wheels are used most generally in crane construction. In addition to the wheels, all hooks used with these cranes were also cast in Ampco 18.23 HT alloy.

