



**BLUE
DEMON™**
WELDING PRODUCTS

HARDFACE 58FC-G

Welding Wire

PRODUCT NAME

58FC-G

WELDING PROCESS

Gas Shielded

WELDING CURRENT

DCEP

DESCRIPTION

58FC-G is a metal-cored, economical hardfacing alloy designed to resist abrasion. This gas-shielded wire can be welded out of position. It is typically used to overlay carbon and low alloy steels, manganese steels, and stainless steels. The welded deposit weathers severe abrasion, moderate impact, and metal-to-metal wear. Hardfacing generally does not require any heat treatment.

Preheat and post heat according to the base material where necessary.

TYPICAL APPLICATIONS

- **Dredge parts**
- **Earth moving equipment**
- **Farm equipment**
- **Muller tires**
- **Extruder worms**
- **conveyors**

Pre-heat should be applied to prevent relief checking.

TYPICAL WIRE CHEMISTRY

Cr - 5, Mn 1, Mo 2, W 1.2, V 0.5, Others 1, Fe BAL

TYPICAL MECHANICAL PROPERTIES

(As Welded on 1020 steel)

Hardness on 1 layer, Rc 52 - 56

Hardness on 2 layers, Rc 53 - 57

WELDING POSITIONS

F, V, OH, H

WELDING DIAMETERS AND SUGGESTED OPERATING RANGE IN AMPS

.035" 80 - 120

.045" 120 - 150

1/16" 150 - 190

Our products, and any recommended practices, should be tested by the user under actual service conditions to determine their suitability for any particular purpose. The results obtained using this product/information are affected by variables such as welding procedure, base material composition, operating temperature, weldment design, method of fabrication and service requirements which are beyond our control. It is the sole responsibility of the user to determine the serviceability of a structure using this product and the information contained in this data sheet.