



## PHILARK PH 160

*Coated Electrode for wear protective protective coating and high strength joining applications*



### General Description

PHILARK PH 160 is designed to serve the dual purpose of joining (carbon steel, alloy steels and austenitic steels) as well as a protective coating to resist impact, compressive loading and frictional wear.

It is also recommended for rebuilding worn parts of 14% Mn Steels experiencing high impact load.

Pressure					
Impact					
Abrasion					

### Mechanical Properties of Weld Metal

Hardness:

As deposited : 85-90 HRb  
Work Hardened : 30-35 HRc

Tensile Strength: 65 Kgf/mm<sup>2</sup>

### Typical Applications

- drive sprockets
- crusher rollers & jaws
- track pads
- bucket pins
- trencher teeth
- bulldozer blades
- Under Carriage parts
- Hammers
- Scraper Blades



Repair of Wheels

### Welding Parameters

Current Type and Polarity : AC/DC(+),  
Welding Positions: Flat, Vertical.

Diameter [ mm ]	3.15	4.0	5.0
Length [ mm ]	350	350	450
Current [ A ]	130-160	150-180	170-200

PHILARK ALLOYS

REGD. OFFICE & WORKS: E 37, UPSIDC, MG ROAD, HAPUR, UP



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