



# Techniwear 41-O

## Flux-Cored, Open-Arc Hardfacing Filler Metal

### Features

- Flux-cored, open arc
- Deposits are exceptionally sound and dense, and heavy buildups are possible without danger of cracking
- Strong, tough, low alloy build-up welding wire.
- Ideal for rebuilding worn cast steel sections, medium carbon steel parts and buttering layers for hardfacing applications.

### Applications

- Kiln trunnions
- Ingo buggies
- Shovel carrier
- Dredge ladder rolls
- Crane wheels
- Driving sprockets
- Carbon steel pump shells
- Tractor undercarriage idlers and rollers
- Driving tumblers
- Dragline chains
- Trencher drive segments and rollers
- Shovel boom heels
- Coupling boxes
- Logging arch wheels
- Spindles
- Saw carriage wheels
- Ladder roll bearing box
- Wobblers Cable sheaves
- Dredge driving tumblers
- Dredge bucket pins
- Wheels on mine cars
- Gears shafts and keyways
- Miner bearing carrier
- Slag ladle cars
- Conveyor chain links
- Hot metal cars
- Power shovel transmission parts

### Diameters & Packages

Diameter	25 lb	55 lb
0.045"	✓	
0.062" (1/16")	✓	
0.109" (7/64")		✓

### Technical Specifications

- **Average Hardness:** 30-35 HRC
- **Maximum Deposit Thickness:** Unlimited with proper preheat
- Machinable with carbide tools
- Good resistance to compression and plastic deformation.
- Multi-pass deposit capability.
- Use on carbon and low alloy steels.

#### Recommended Weld Parameters:

Diameter	Volts	Amps	Stick Out
0.045"	20-26	125-225	¾"-1"
0.062" (1/16")	23-28	225-375	1"-1 ¼"
0.109" (7/64")	25-30	325-500	1"-1 ½"