



FUSION™ GO is a unique chrome free hardfacing wire, meant for particularly high abrasive wear and moderate impact applications. Being chrome-free there is no hexavalent chromium produced by the welding wire when being used. The special formulation allows you to produce excellent abrasion resistance in a single layer. It can be applied to carbon, low alloy, or manganese steels and can be used in hot wear applications up to 1100° F. No shielding gas is required for this welding wire making it a convenient material to work with. FUSION™ GO hardfacing wire is formulated to be used in applications where sand and earth are the main wear material.

Typical Deposit Characteristics

Abrasion Resistance	Excellent
Impact Resistance	Moderate
Hardness	HRC 60 – 65
Machinability	No
Deposit Layers	2 Layer Max. (Based on 1/8” thickness per layer)
Surface Cross Checks	Yes
Hot Wear Applications	Up to 1100°F

Operational Characteristics/Welding Parameters

Diameter, In. (mm)	0.045” (1.2)	OR	1/16” (1.6)
Current, Amp. DCRP	140 – 230	OR	180 – 300
Voltage	23 – 32		
Wire Extension, in (mm)	1” – 2” (25 – 50)		
Shielding Gas (Not Required)	If Desired:	100% CO ₂	OR 75% Ar / 25% CO ₂
Position	Flat, Horizontal		

TYPICAL ALL-WELD METAL ANALYSIS						
C	Mn	Si	Ni	B	Ti	Fe
0.5	2.00	1.30	2.00	4.50	0.3	Bal

Alloy Type

Boron carbides in a martensitic matrix.

Typical Applications

- Buckets/Shovels
- Mining Equipment
- Slurry Pipes
- Drag Line Components
- Chutes/Hopper
- Dredge Parts

Standard Sizes & Packaging

Diameter: .045” (1.2mm) OR 1/16” (1.6mm)
 Packaging: 33 lbs. Spools OR 55 lbs. Coil