



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, Half Up, Half Down		

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