

SelectWear 58-MCG

Hardsurfacing / Gas Shielded / Metal Cored

PRODUCT DATA SHEET

FEATURES

- Iron Based, martensitic alloy designed as a general purpose hardfacing wire
- High hardness (Rc 56-60) with a good balance between abrasion and impact resistance
- Excellent choice for components that are required to maintain a sharp edge
- Can be deposited in multiple layers with proper welding procedure
- Applications include: Debarking knives, Agricultural tillage, Chisel plows, Dredge components, Earthmoving bucket lips, Extruder screws, Hard banding applications, Repairs on AR plate

DIAMETERS (in (mm))

0.035 (0.9), 0.045 (1.2), 1/16 (1.6), 7/64 (2.8), 1/8 (3.2)

POSITIONS



SHIELDING GAS

100% CO₂, 75-99.5% Ar / Balance CO₂, 97-99.5 Ar / Balance O₂

Flow Rate: 40 - 50 CFM

POLARITY

Direct Current Electrode Positive (DCEP)

HARDNESS

3 layers: 56 - 61 HRC

RECOMMENDED WELDING PARAMETERS

Diameter in (mm)	Shielding Gas	Position	WFS* in/min (m/min)	Amps	Volts	CTWD* in (mm)
0.035 (0.9 mm)	75% Ar/25% CO ₂	Flat & Horizontal	500 (12.7)	200	26	1/2 - 3/4 (13 - 19)
0.045 (1.2 mm)	75% Ar/25% CO ₂	Flat & Horizontal	400 (10.2)	250	27	3/4 - 1 (19 - 25)
1/16 (1.6 mm)	75% Ar/25% CO ₂	Flat & Horizontal	275 (7.0)	300	28	3/4 - 1 1/4 (19 - 32)
7/64 (2.8 mm)	75% Ar/25% CO ₂	Flat & Horizontal	125 (3.2)	450	29	1 1/4 - 1 3/4 (32 - 44)
1/8 (3.2 mm)	75% Ar/25% CO ₂	Flat & Horizontal	100 (2.5)	500	29	1 1/4 - 1 3/4 (32 - 44)

* WFS = Wire Feed Speed, CTWD = Contact Tip To Work Distance

For Welding in 100% CO₂, increase by 1 - 1.5 volts

At higher levels of argon the voltage should be gradually decreased; 0.5-1 volt for 85% Ar/15% CO₂, 1-1.5 volts for 90% Ar/10% CO₂

PACKAGING (lbs (kgs))

33 (15) Spools, 60 (27.2) Coils, 500 (226.8) Round Drum, 800 (362.9) Hex Drum, 900 (408.2) Hex Drum

*Some packaging options may not be available depending on diameter and product. Special package options may be available upon request.



Revision: 12/11/2023

Notice: Be sure to follow all your employers safety practices, policies and procedures when using this product. Refer to CSA W117.2 and ANSI Z49.1 Safety in Welding, Cutting and Allied Processes for further information and the manufactures SDS sheet. The results reported are based upon testing of the product under controlled laboratory conditions in accordance with American Welding Society Standards. Actual use of the product may produce different results due to varying conditions. An example of such conditions would be electrode size, plate chemistry, environment, weldment design, fabrication methods, welding procedure and service requirements. Thus the results are not guarantees for use in the field. The manufacturer disclaims any warranty of merchantability or fitness for any particular purpose with respect to its products.

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STORAGE AND HANDLING

All products should be stored in original packaging, in dry conditions and handled with care. For more information refer to our website.



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