

# SelectWear 57GW-MCG

Hardsurfacing / Gas Shielded / Metal Cored

PRODUCT DATA SHEET

## FEATURES

- Deposits an iron based, martensitic alloy that can be used as a matrix for tungsten carbide particles that are dropped into its weld puddle
- The deposit is ductile enough so that the tungsten carbide particles are less likely to be pulled out in service
- Can be deposited in multiple layers
- Applications include: Debarking knives, agricultural tillage, chisel plows, dredge components, earthmoving bucket lips, extruder screws, recycling shredder knives

## DIAMETERS (in (mm))

0.045 (1.2), 0.052 (1.3), 1/16 (1.6)

## POSITIONS



## SHIELDING GAS

100% CO<sub>2</sub>, 75%Ar / 25% CO<sub>2</sub>

Flow Rate: 40 - 50 CFM

## POLARITY

Direct Current Electrode Positive (DCEP)

## HARDNESS

3 layers: 54 - 58 HRC

## RECOMMENDED WELDING PARAMETERS

Diameter in (mm)	Shielding Gas	Position	WFS* in/min (m/min)	Amps	Volts	CTWD* in (mm)
0.045 (1.2 mm)	75% Ar/25% CO <sub>2</sub>	Flat & Horizontal	400 (10.2)	250	27	3/4 - 1 (19 - 25)
0.052 (1.3 mm)	75% Ar/25% CO <sub>2</sub>	Flat & Horizontal	350 (8.9)	275	27	3/4 - 1 (19 - 25)
1/16 (1.6 mm)	75% Ar/25% CO <sub>2</sub>	Flat & Horizontal	275 (7.0)	300	28	3/4 - 1 1/4 (19 - 32)

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

For Welding in 100% CO<sub>2</sub>, increase by 1 - 1.5 volts

## 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.

## 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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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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