

SelectWear 42-S

Hardsurfacing / Flux Shielded / Submerged Arc

PRODUCT DATA SHEET

FEATURES

- Designed for surfacing with the submerged arc process
- Produces a deposit for low to medium stress metal-to-metal wear
- Chemistry: Fe-Cr-Mn
- Multiple layers may be applied with proper welding procedure
- Machinable with carbide tools
- Good crack resistance

DIAMETERS (in [mm])

3/32 (2.4), 7/64 (2.8), 1/8 (3.2)

POSITIONS



FLUX

Neutral flux

POLARITY

Direct Current Electrode Positive (DCEP)

HARDNESS

3 layers: 42-47 HRC

RECOMMENDED WELDING PARAMETERS

Diameter in (mm)	Flux	Position	WFS* in/min (m/min)	Amps	Volts	CTWD* in (mm)
3/32 (2.4 mm)	N/A	Flat & Horizontal	165 (4.2)	400	31	1 - 1 1/2 (25 - 38)
7/64 (2.8 mm)	N/A	Flat & Horizontal	140 (3.6)	460	32	1 - 1 1/2 (25 - 38)
1/8 (3.2 mm)	N/A	Flat & Horizontal	115 (2.9)	500	33	1 - 1 1/2 (25 - 38)

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

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.



Revision: 1/19/2024

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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