

# Polaris<sup>®</sup> Maxi Shield Pro

## Flux Core Arc Welding (FCAW -Wire)

For welding high strength, low alloy, mild and medium carbon steels.

### Features

- Superior Crack Resistance
- 90,000 psi Tensile Strength
- Excellent Out-Of-Position
- 29% Elongation
- Easy Slag Removal
- Low Spatter
- Exceptional Charpy Impact Property of 75 ft/lb at -20°F
- Low Welding Fumes

### Characteristics

**Polaris Maximum Shield Pro** is a fast-freezing flux-cored wire designed for single and multiple pass welding in flat and all position applications. With its low fume, easy slag removal and low spatter levels combined with its high-quality welds, **Polaris Maximum Shield Pro** has excellent operator appeal. Characterized by a spray transfer, **Polaris Maximum Shield Pro** provides excellent impact strength at low temperatures and resists cracking in severe applications. Recommended shielding gas can be 100% CO<sub>2</sub> however use of 75% Argon – 25% CO<sub>2</sub> will improve usability especially for out of position applications. Increasing the percentage of Argon in the Argon – CO<sub>2</sub> mixture will increase the yield and tensile strengths.

### Technical

Inches	.035	.045	1/16
(mm)	(0.9)	(1.2)	(1.6)
Volts	22-28	22-30	24-32
Amps	125-225	160-300	200-300
Stick Out	1/2"-3/4"	1/2"-3/4"	1/2"-3/4"

Use Reverse Polarity (DCEP)

### Shielding Gas Options *Gas Required*

- 100% CO<sub>2</sub>
- 75% Argon – 25% CO<sub>2</sub>

### Applications

Applications include structural fabrication, construction equipment, pipe weldments, storage tanks, pressure vessels, truck frames and all crack sensitive steels.

We recommend **Gemini Anti-Spatter spray** for lasting protection of your contact tip and MIG nozzle (see chemical aids in Abrasives & Metal Working products section).

### Spool Size

- 10# Available in .035 and .045
- 33# Available in .035, .045 and 1/16"