

Polaris® 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% CO₂ however use of 75% Argon – 25% CO₂ will improve usability especially for out of position applications. Increasing the percentage of Argon in the Argon – CO₂ 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% CO₂
- 75% Argon – 25% CO₂

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

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