

POSTLE INDUSTRIES, INC.



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Data Sheet

POSTALLOY® 3044-FCG

Description

POSTALLOY 3044-FCG is a high strength, **gas-shielded, flux-cored** welding wire designed for "**all position**" welding of carbon and alloy steels, low alloy steels such as Jallo, T-1, HY-90, SS-100, and 400, 500 and 600I wear plate.

In addition to offering excellent physical properties, weld deposits of **POSTALLOY 3044-FCG** are highly crack resistant and can be use on weld joints that are under high restraint. Very good low temperature notch toughness. For some applications, preheating can be reduced or even eliminated.

Weld Deposit Properties:

Tensile Strength.....106,000 psi
Yield Strength.....89,000 psi
Elongation23%
Charpy V Notch @ 0°F.....55 ft. lbs.

The superior Benefits of 3044-FCG are:

- Deposits are "X-Ray" quality
- All-Position weldability
- Use for single or multi-pass welding
- Deposits can be flame cut
- Welds are exceptionally smooth and spatter-free

Applications

POSTALLOY 3044-FCG should be used for fabricating structural shapes such as "I" and "H" beams, channels, plates and pipe. Ideal for fabricating wear plate. Excellent for use on construction and mining equipment such as dozer blades, buckets, crane and shovel booms. Also for truck and bus frames.

Welding Parameters: Use DC Reverse Polarity with a spray type transfer.

Gas Coverage - 75% Argon / 25% CO₂, or 100% CO₂ at 40 - 45 cfh

	045"	1/16"
Flat	21-30 volts, 125-325 amps	23-31 volts, 200-400 amps
Vertical-up	22-28 volts, 150-250 amps	22-26 volts, 150-275 amps
Overhead	22-28 volts, 150-250 amps	22-26 volts, 150-275 amps
Stick-out	1/2"-5/8"	1/2"-3/4"

Packaging

Diameter	.045"(1.2mm)	1/16"(1.6mm)
10 Lb. Spools	Standard	NA
25 Lb. Spools	Standard	Standard