High Strength Carbon Steel Controlled Hydrogen Electrodes and Wires

Maintenance engineered, all-position, high-strength, hydrogen-controlled electrodes and wires for difficult weldments of low carbon, low alloy and cast steels.

Superior Advantages

- Versatile – joins a wide variety of carbon and low alloy steels, can be used in all positions
- Strong – produces tough welds with high impact strength and elongation

Applications

- Heavy equipment repairs – buckets, liners, pins, etc.
- Structural members – H-beams, frames, angle iron
- Mild and low-alloy steels – chains and chain links
- Pipes and pipe flanges
- Rear end housings and spring block hangers

Certanium® Alloys

704 Electrode

Tensile Strength: 101,000 PSI
Yield Strength: 85,000 PSI
Elongation: 28%
Polarity: AC or DC Reverse

Dia. (Inches)	Amps	Part No.*	Pkg. Qty. (Lbs.)
3/32	65 – 110	**P12656**	25
1/8	110 – 140	**P12657**	25
5/32	140 – 200	**P12658**	25
3/16	200 – 275	**P12659**	25

704FCG MIG Wire

Tensile Strength: 101,000 PSI
Yield Strength: 91,000 PSI
Elongation: 26%
Gas: 75% Ar, 25% CO_2 or 98% Ar, 2% O_2

Dia. (Inches)	Part No.	Pkg. Qty. (Lbs.)
.035	**P12111**	10
.035	**P12110**	25
.045	**P12112**	25

Cronatron Alloys

315 Electrode

Tensile Strength: 86,500 PSI
Yield Strength: 72,000 PSI
Elongation: 29%
Hardness: 235 BHN
Polarity: AC or DC Reverse

Dia. (Inches)	Amps	Part No.	Pkg. Qty. (Lbs.)
3/32	70 – 110	**CW1510**	10
3/32	70 – 110	**CW1510A**	25
1/8	90 – 160	**CW1511**	10
1/8	90 – 160	**CW1511A**	25
5/32	120 – 210	**CW1512**	10
5/32	120 – 210	**CW1512A**	25
3/16	200 – 290	**CW1513**	10
3/16	200 – 290	**CW1513A**	25

315T TIG Wire

Tensile Strength: 111,000 PSI
Yield Strength: 95,000 PSI
Elongation: 22%
Polarity: DC Straight
Gas: 100% Ar

Dia. (Inches)	Part No.	Pkg. Qty. (Lbs.)
1/16	**CW3067A**	5
1/16	**CW3067**	10
3/32	**CW3068A**	5
3/32	**CW3068**	10
1/8	**CW3069A**	5
1/8	**CW3069**	10

315M-MC* MIG Wire

Tensile Strength: 105,000 PSI
Yield Strength: 96,000 PSI
Elongation: 23%
Gas: 75% Ar, 25% CO_2

Dia. (Inches)	Part No.	Pkg. Qty. (Lbs.)
.045	**CW4668**	33
.062	**CW4669**	33

*Metal-cored wires offer higher deposition rates than solid MIG wires