Carbon Steel Controlled Hydrogen Electrodes and Wires

Easy-to-use, all-position electrodes are fully machinable and designed to resist underbead cracking. For use in a variety of applications for everyday maintenance of mild and low-alloy steels.

Superior Advantages

- Fully machinable
- Resists cracking due to high elongation
- Easy slag removal saves time
- Moisture-resistant coating
- Meets or exceeds low-hydrogen requirements

Applications

- Use on free-machining or high sulfur steels
- Agriculture equipment
- Structural members
- Truck bodies and frames
- Pipes, flanges, channels, tubes and shafts
- Holding tanks, steel vessels

Certanium® Alloys

747SP Electrode

Tensile Strength: 78,000 PSI
Yield Strength: 66,000 PSI
Elongation: 28%
Polarity: DC Reverse

Dia. (Inches)	Amps (Flat/Overhead)	Amps (Vertical)	Part No.	Pkg. Qty. (Lbs.)
1/8	100 – 170	95 – 135	**P12887**	30
5/32	150 – 190	140 – 170	**P12995**	30

757 Electrode

Tensile Strength: 87,000 PSI
Yield Strength: 72,000 PSI
Elongation: 31%
Polarity: AC or DC Reverse

Dia. (Inches)	Part No.	Pkg. Qty. (Lbs.)
3/32	**P12660**	25
1/8	**P12662**	25
5/32	**P12664**	25

Cronatron Alloys

311 Electrode

Tensile Strength: 78,000 PSI
Yield Strength: 65,000 PSI
Elongation: 30%
Polarity: DC Reverse

Dia. (Inches)	Amps	Part No.	Pkg. Qty. (Lbs.)
3/32	50 – 70	**CW1852B**	10
3/32	50 – 70	**CW1852**	25
3/32	50 – 70	**CW1852A**	50
1/8	85 – 120	**CW1055B**	10
1/8	85 – 120	**CW1055**	25
1/8	85 – 120	**CW1055A**	50
5/32	115 – 150	**CW1054B**	10
5/32	115 – 150	**CW1054**	25
5/32	115 – 150	**CW1054A**	50
3/16	145 – 175	**CW1851B**	10
3/16	145 – 175	**CW1851**	25
3/16	145 – 175	**CW1851A**	50
1/4	170 – 225	**CW1850B**	10
1/4	170 – 225	**CW1850**	25
1/4	170 – 225	**CW1850A**	50

311M-FC MIG Wire

Tensile Strength: 81,000 PSI
Yield Strength: 72,000 PSI
Elongation: 29%
Gas: 75% Ar, 25% CO_2

Dia. (Inches)	Part No.	Pkg. Qty. (Lbs.)
.035	**CW1762**	10
.035	**CW1763**	33
.045	**CW1764**	10
.045	**CW1765**	33
1/16	**CW1766**	33

376M-FC** MIG Wire

No Shielding Gas Required
Tensile Strength: 76,000 PSI
Elongation: To 29%
Polarity: DC Straight
Gas: None

Dia. (Inches)	Part No.	Pkg. Qty. (Lbs.)
.030	**CW3713**	2
.030	**CW3100**	10
.030	**CW3562**	33
.035	**CW1793**	2
.035	**CW1792**	10
.035	**CW1770**	33
.045	**CW1771**	10
.045	**CW1772**	33
1/16	**CW1773**	33

**376M-FC eliminates cold lapping and reduces distortion due to its ability to run at lower heat input and higher travel speeds.

311-1* Electrode

Tensile Strength: 81,500 PSI
Yield Strength: 69,000 PSI
Elongation: 32%
Polarity: DC Reverse
Impact Properties: As welded at –50°F (–46°C), 104 ft./lb.

Dia. (Inches)	Amps	Part No.*	Pkg. Qty. (Lbs.)
3/32	70 – 100	**CW9365**	30
3/32	70 – 100	**CW9365A**	50
1/8	90 – 160	**CW9364**	30
1/8	90 – 160	**CW9364A**	50
5/32	130 – 220	**CW9366**	30
5/32	130 – 220	**CW9366A**	50

**311-1 is only available in Canada and meets or exceeds Canadian Welding Bureau specifications*