Premium Austenitic Stainless Steel Electrodes and Wires

X-ray quality welds, smooth-running in all positions for joining the most common grades of stainless steels including 303, 304, 307, 308, 309, 316, 317 and the low carbon "L" version of these alloys.

Superior Advantages

- Minimal carbide precipitation
- Excellent resistance to corrosion and heat
- All-position welding reduces the need to dismantle equipment
- Easy slag removal saves time

Applications

- Piping and tubing
- Food and medical processing equipment
- Housings and impellers
- Tanks and vats

Certanium® Alloys

788 SL Electrode

Low Carbon

Tensile Strength: 83,000 PSI
Yield Strength: 62,000 PSI
Elongation: 45%
Hardness: 21 HRC, as welded
Polarity: AC or DC Reverse

Dia. (Inches)	Amps (Flat or Overhead)	Amps (Vertical)	Part No.	Pkg. Qty. (Lbs.)
5/64	50 – 65	45 – 60	**P12492**	5
3/32	70 – 90	65 – 90	**P12715**	5
1/8	80 – 110	70 – 100	**P12497**	5

788T TIG Wire

Low Carbon

Tensile Strength: 83,000 PSI
Yield Strength: 62,000 PSI
Elongation: 45%
Hardness: 21 HRC, as welded
Polarity: DC Straight
Gas: 100% Ar

Dia. x Length (Inches)	Part No.	Pkg. Qty. (Lbs.)
.035 x 36	**P19419**	3
.045 x 36	**P14140**	3
1/16 x 36	**P14130**	3
3/32 x 36	**P14150**	3
1/8 x 36	**P19417**	3

777 Electrode

Superior Vertical-down Performance

Tensile Strength: 80,000 PSI
Yield Strength: 56,000 PSI
Elongation: 42%
Polarity: AC or DC Reverse

Dia. (Inches)	Amps	Part No.	Pkg. Qty. (Lbs.)
5/64	35 – 55	**P14077A**	5
5/64	35 – 55	**P14077**	10
3/32	60 – 80	**P14078A**	5
3/32	60 – 80	**P14078**	10
1/8	90 – 110	**P14079A**	5
1/8	90 – 110	**P14079**	10

Cronatron Alloys

3880 Electrode

Extra Low Carbon

Tensile Strength: 90,000 PSI
Elongation: Up to 42%
Polarity: AC or DC Reverse

Dia. (Inches)	Amps	Part No.	Pkg. Qty. (Lbs.)
1/16	30 – 55	**CW1885**	5
3/32	50 – 70	**CW1884**	5
1/8	85 – 115	**CW1883**	5
5/32	115 – 145	**CW1882**	5

3880M-FC MIG Wire

Extra Low Carbon

Tensile Strength: 90,000 PSI
Elongation: Up to 42%
Gas: 75% Ar, 25% CO_2

Dia. (Inches)	Part No.	Pkg. Qty. (Lbs.)
.035	**CW3089**	5
.045	**CW3088**	5

3880M MIG Wire

Extra Low Carbon

Tensile Strength: 85,000 PSI
Elongation: Up to 42%
Gas: 98% Ar, 2% O_2 or 90% He, 7.5% Ar, 2.5% CO_2

Dia. (Inches)	Part No.	Pkg. Qty. (Lbs.)
.024	**CW1795**	2
.030	**CW1813**	2
.030	**CW1778**	10
.035	**CW1814**	2
.035	**CW1775**	10
.035	**CW1938**	25
.045	**CW1776**	10
.045	**CW1939**	25
1/16	**CW1777**	10

3880T TIG Wire

Extra Low Carbon

Tensile Strength: 90,000 PSI
Elongation: Up to 42%
Polarity: DC Straight
Gas: 100% Ar

Dia. x Length (Inches)	Part No.	Pkg. Qty. (Lbs.)
.035 x 36	**CW1989**	2
1/16 x 36	**CW1023**	2
3/32 x 36	**CW1022**	2
1/8 x 36	**CW1800**	2
5/32 x 36	**CW3272**	2

Specialty Alloys

3880T-C TIG Wire

Flux-cored for stainless steel root passes with no shielding gas backup.

Tensile Strength: Up to 90,000 PSI
Elongation: Up to 42%
Polarity: DC Straight
Gas: 100% Ar

Dia. x Length (Inches)	Part No.	Pkg. Qty. (Lbs.)
3/32 x 39	**CW3508A**	2

382 Electrode

Tensile Strength: 80,000 PSI
Elongation: 35%
Polarity: AC or DC Reverse

Dia. (Inches)	Amps	Part No.	Pkg. Qty. (Lbs.)
3/32	50 – 75	**CW1518**	10
1/8	70 – 90	**CW1519**	10

3881 Electrode

Excellent Vertical-down and Overhead

Tensile Strength: 84,000 PSI
Elongation: 40%
Polarity: AC or DC Reverse

Dia. (Inches)	Amps	Part No.	Pkg. Qty. (Lbs.)
3/32	50 – 75	**CW1805**	5
1/8	75 – 90	**CW1806**	5