Specialty Wear and Hardfacing Electrodes and Wires

A selection of alloys to meet specialty wear or hardfacing needs.

Certanium® Alloys

425 Electrode

Corrosion-resistant aluminum bronze overlay for metal-to-metal wear

Tensile Strength: Up to 100,000 PSI
Yield Strength: Up to 63,000 PSI
Elongation: Up to 35%
Hardness: 200 BHN, as welded
Polarity: DC Reverse

Dia. (Inches)	Amps (Flat or Overhead)	Amps (Vertical)	Part No.	Pkg. Qty. (Lbs.)
1/8	90 – 125	80 – 110	**P12930**	5
5/32	120 – 150	90 – 140	**P12935**	5

Cronatron Alloys

High frictional wear resistance for most ferrous and non-ferrous metals

625 Electrode

Tensile Strength: 110,000 PSI
Hardness: Rc 21-23
Polarity: DC Reverse

Dia. (Inches)	Amps	Part No.	Pkg. Qty. (Lbs.)
3/32	50 – 75	**CW1859**	5
1/8	100 – 120	**CW1045**	5
5/32	120 – 140	**CW1044**	5
3/16	140 – 180	**CW1043**	5

625T TIG Wire

Tensile Strength: 110,000 PSI
Hardness: Rc 21-23
Polarity: DC Straight
Gas: 100% Ar

Dia. x Length (Inches)	Part No.	Pkg. Qty. (Lbs.)
1/16 x 36	**CW3266**	1
3/32 x 36	**CW3267**	1
1/8 x 36	**CW3268**	1

625M MIG Wire

Tensile Strength: 110,000 PSI
Hardness: Rc 21-23
Gas: 100% Ar

Dia. (Inches)	Part No.	Pkg. Qty. (Lbs.)
.035	**CW5166**	10
.045	**CW5167**	10

747 Electrode

Cobalt alloy formulated for hardness, corrosion resistance and stability at temperatures up to 2,000°F (1,093°C)

Compressive Strength: To 230,000 PSI
Hardness: Up to Rc 42, work-hardened
Polarity: AC or DC Straight or Reverse

Dia. (Inches)	Part No.	Pkg. Qty. (Lbs.)
1/8	**CW1832**	5
5/32	**CW1833**	5

79 Brazing Alloy

Nickel-chrome-silicon-boron alloy that is resistant to corrosion and withstands temperatures up to 2,000°F (1,093°C)

Application Temperature: 1,300°F to 1,600°F (704°C to 871°C)
Hardness: Rc 58-62

Dia. x Length (Inches)	Part No.	Pkg. Qty. (Lbs.)
1/8 x 18	**CW1027**	2
3/16 x 18	**CW1026**	2

Micro Alloyed Diamond-Hard wires use nanotechnology to create deposits as hard as carbides but with the impact of tool steels

MAD-H 65 MIG Wire

Hardness: Rc 63-70
Gas: None

Dia. (Inches)	Type	Part No.	Pkg. Qty. (Lbs.)
1/16	Open-Arc	**CW6122**	33

MAD-H 75 MIG Wire

Hardness: Rc 70-77
Gas: 1/16" Dia. – None; .045" Dia. – 75% Ar, 25% CO_2

Dia. (Inches)	Type	Part No.	Pkg. Qty. (Lbs.)
.045	Gas Flux Core	**CW6120**	25
1/16	Open-Arc	**CW6121**	25

5 lb. sample sizes are available for all MAD-H products. Ask your Lawson agent for details.