

MAX manufactures a full line of Genuine OEM Black Annealed, Electro-Galvanized, Plastic Coated, and Stainless Steel tie wire to work effectively and safely in the broadest range of conditions and applications. MAX wire, available in 21-Ga spools 19-Ga spools, and 16-Ga spools, is tested to rigorous quality standards, under tightly controlled manufacturing processes to assure consistent quality and performance. MAX wire is packaged 50 spools to a box, and 40 boxes to a skid. AIRMATIC, one of the largest MAX Rebar Tier distributors in North America, maintains one of the largest inventories of MAX wire, tools, parts, and accessories in the USA.

By purchasing Genuine OEM MAX wire from AIRMATIC, our customers can be assured they are getting quality wire that is manufactured for optimal performance, and designed to work together with MAX Rebar Tiers for the greatest reliability, speed, and tie tightness. Non-OEM, and clone wire does not meet the high quality and performance standards of MAX wire, and will result in higher failure rates which reduce uptime and increase labor and maintenance costs. MAX wire is made of the ideal grades of carbon steel and stainless steel to suit the environment they must endure. The wire is drawn and dead soft annealed to create the greatest possible ductility which provides a tough but pliable wire which is easy to twist but hard to break. MAX carbon steel wire is sold in 21-Ga (898-series), 19-Ga (1061T-series), or 16-Ga (1525-series) thickness (size based on tool model needed), with each size available in three finishes:

**TW898:** 21-Ga wire; 312-ft/spool; 3 wraps/tie; 120-210 ties/spool (based on rebar size); 50 spools/box.\*

**TW1525:** 16-Ga wire; 82-ft/spool; 1 wrap/tie; 120-130 ties/spool (based on rebar size); 50 spools/box.\*

**TW1061T:** 19-Ga wire; 215-ft/spool; 1 wrap/tie; 240 ties/spool (based on rebar size); 30 spools/box.\*

\*Specs f/ Black Annealed; Electro-Galvanized; Plastic Coated.

### BLACK ANNEALED

This low carbon steel, dead soft annealed wire is coated with a black oxide finish to provide a thin, mildly corrosion-resistant finish. This commonly used wire meets most construction, pre-cast, and pre-stressed concrete industry applications.

### ELECTRO-GALVANIZED

This low carbon steel, dead soft annealed wire is finished with a 5-micron zinc coating to provide greater corrosion resistance. It is ideal for pre-cast or pre-stressed concrete used in marine or other harsh environment applications, or where length of service is important.

### PLASTIC COATED

This low carbon steel, dead soft annealed wire is powder coated with .05mm thickness of yellow polymer (polyester). It is used when tying epoxy coated rebar or other DOT mandated uses, or anywhere a cushioned wire with added protection against corrosion or abrasives is needed.



**TW898-USA, TW898-PC-USA, & TW1061T-USA** spools use 21 Ga & 19 Ga **USA Made, BUY AMERICA Certified Wire**, and can be used in the RB218, RB398S, RB441T, RB611T, and the RB518 rebar tiers.

## TW1061T WIRE SPECIFICATIONS

19-Ga wire;  
 1-Twin wrap/tie;  
 215-ft/spool;  
 155-265 ties/spool (based on rebar size);  
 30 spools/box.



TW1061T  
TW1061T-USA



TW1061T-EG



TW1061T-PC

	Material	Ingredient	Wire Dia.	Heat Treatment	Tensile Strength	Surface
<b>TW1061T</b> Black Annealed	Low Carbon Steel Wire Rods SAE J403 MAY 94	Carbon 0.13 - 0.18% Mangan 0.60 - 0.90% Phosphorus less than 0.03% Sulfur less than 0.035%	0.0394" 19-Ga	Annealed	55,800-81,300 (lb/in <sup>2</sup> )	
<b>TW1061T-EG</b> Electro- Galvanized	Low Carbon Steel Wire Rods SAE J403 MAY 94	Carbon 0.13 - 0.18% Mangan 0.60 - 0.90% Phosphorus less than 0.03% Sulfur less than 0.035%	0.0394" 19-Ga	Annealed	55,800-81,300 (lb/in <sup>2</sup> )	Electric Galv. 1 μm or more
<b>TW1061T-PC</b> Plastic Coated	Low Carbon Steel Wire Rods SAE J403 MAY 94	Carbon 0.13 - 0.18% Mangan 0.60 - 0.90% Phosphorus less than 0.03% Sulfur less than 0.035%	0.0394" 19-Ga (Without Surface Treatment)	Annealed	55,800-81,300 (lb/in <sup>2</sup> )	Polyester Coated 0.00197" (0.65mm)

## STRENGTH COMPARISON BETWEEN MAX TW1061TWIRE AND REGULAR 16-GAUGE TIE

	Diameter	Area / Wraps (a)	Wraps / Tie (b)	Area / Tie (a x b)
<b>TW1061T (19-Gauge)</b>	.0394"	.00122 in <sup>2</sup>	1-Twin	.00243 in <sup>2</sup>
<b>16-Gauge Tie Wire</b>	.0551"*	.00238 in <sup>2</sup>	1	.00238 in <sup>2</sup>

\*This number was measured from sample 16-gauge wire in the market.

The strength of tie wire is in proportion to the sum of area of wire wrapping rebars, therefore, the strength of 1-Twin wrap by MAX TW1061T is equivalent to regular 16-gauge wire.



**USA Made, BUY AMERICA Certified Wire**, and can be used in the RB218, RB398, RB441T, RB611T, and the RB518 rebar tiers.

## TW898 WIRE SPECIFICATIONS

21-Ga wire;  
3 wraps/tie;  
312-ft/spool;  
Up to 120 ties/spool (based on rebar size);  
50 spools/box.



**TW898  
TW898-USA**



**TW898-EG**



**TW898-PC**

	Material	Ingredient	Wire Dia.	Heat Treatment	Tensile Strength	Surface
<b>TW898 Black Annealed</b>	Low Carbon Steel Wire Rods SAE J403MAY94	Carbon 0.13 - 0.18% Mangan 0.60 - 0.90% Phosphorus less than 0.03% Sulfur less than 0.035%	0.0315" 21-Ga	Annealed	68.226 - 81.290 (lb/in <sup>2</sup> )	
<b>TW898-EG Electro- Galvanized</b>	Low Carbon Steel Wire Rods SAE J403MAY94	Carbon 0.13 - 0.18% Mangan 0.60 - 0.90% Phosphorus less than 0.03% Sulfur less than 0.035%	0.0315" 21-Ga	Annealed	68.226 - 81.290 (lb/in <sup>2</sup> )	Electric Galv. 1 µm and over  Production Avg 4.29 µm
<b>TW898-PC Plastic Coated</b>	Low Carbon Steel Wire Rods SAE 1016L	Carbon 0.13 - 0.18% Mangan 0.60 - 0.90% Phosphorus less than 0.03% Sulfur less than 0.035%	0.0315" 21-Ga	Annealed	55.887 - 81.290 (lb/in <sup>2</sup> )	Plastic Coated 0.00197" (0.05mm)

## STRENGTH COMPARISON BETWEEN MAX TW898 WIRE AND REGULAR 16-GAUGE TIE WIRE

	Diameter	Area / Wraps (a)	Wraps / Tie (b)	Area / Tie (a x b)
<b>TW898 (21-Gauge)</b>	.0315"	.00078 in <sup>2</sup>	3	.00234 in <sup>2</sup>
<b>16-Gauge Tie Wire</b>	.0551"*	.00238 in <sup>2</sup>	1	.00238 in <sup>2</sup>

\*This number was measured from sample 16-gauge wire in the market.

The strength of tie wire is in proportion to the sum of area of wire wrapping rebars, therefore, the strength of three wraps by MAX TW898 is equivalent to regular 16-gauge wire.



**USA Made, BUY AMERICA Certified Wire**, and can be used in the RB218, RB398, RB441T, RB611T, and the RB518 rebar tiers.

### TW1525 WIRE SPECIFICATIONS

16-Ga wire;  
 1 wrap/tie;  
 82-ft/spool;  
 120-230 ties/spool (based on rebar size);  
 50 spools/box.



TW1525



TW1525-EG



TW1525-PC

	Material	Ingredient	Wire Dia.	Heat Treatment	Tensile Strength	Surface
<b>TW1525 Black Annealed</b>	Low Carbon Steel Wire Rods	Carbon less than 0.08% Mangan less than 0.60% Phosphorus less than 0.045% Sulfur less than 0.045%	0.059" 16-Ga	Annealed	41,336 - 52,939 (lb/in <sup>2</sup> )	
<b>TW1525-EG Electro- Galvanized</b>	Low Carbon Steel Wire Rods	Carbon less than 0.08% Mangan less than 0.60% Phosphorus less than 0.045% Sulfur less than 0.045%	0.059" 16-Ga	Annealed	41,336 - 52,939 (lb/in <sup>2</sup> )	Electric Galv. 1 µm and over  Production Avg 3.54 µm
<b>TW1525-PC Plastic Coated</b>	Low Carbon Steel Wire Rods	Carbon less than 0.08% Mangan less than 0.60% Phosphorus less than 0.045% Sulfur less than 0.045%	0.059" 16-Ga	Annealed	41,336 - 52,939 (lb/in <sup>2</sup> )	Plastic Coated 0.00197" (0.05mm)