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Product Data Sheet

This is the product data sheet for MAX TW1061T USA, TW1061T-PC USA Wire, which are to be used with MAX Rebar Tying Tools.

Wires Specifications

	Material	Ingredient	Wire Diameter	Heat Treatment	Surface
TW1061T USA Black annealed wire	Low carbon steel wire rods SAE J403 MAY 94	Carbon 0.08 – 0.20% Mangan 0.60 – 0.90% Phosphorus Less than 0.03% Sulfur less than 0.0035%	0.0394" 19Ga	Annealed	NA
TW1061T-PC USA Polyester coated wire	↑	↑	0.0394" 19Ga (Without Surface Treatment)	↑	Polyester Coated

* The above values are actual measured values of the wire, and do not guarantee performance.
Please note that specifications are subject to change without notice due to specification changes or improvements.

Strength comparison between MAX TW1061T tie wire and regular 16Ga and 15Ga tie wire.

	Diameter	Area/wraps (a)	Wraps/tie (b)	Area/tie (a)x(b)
TW1061T Tie Wire (19 gauge)	.0394"	.00122 in^2	2	.00243 in^2
16-gauge tie wire	a* .0551"	.00238 in^2	1	.00238 in^2
15-gauge tie wire	b* .0720"	.00407 in^2	1	.00407 in2

a*This number was measured from sample 16-gauge wire in the market.
b*This number was referenced from the SWG (Steel Wire Gauge US) specification standard.

The strength of tie wire is in proportion to the sum of area of wire wrapping re-bars, therefore, the strength of two wraps by MAX TW1061T wire is equivalent to regular 16-gauge wire. When compared to the 15 Ga tie wire tie, TW1061T holding strength may be increased by tying surrounding multiple rebar cross sections of the one cross section tied with a TW1061T.

Sincerely,

Masa Senda
President
MAX USA CORP.

1/1/2025