

Twist-Free Welding Wire System

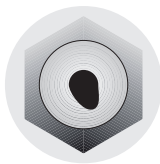


Straight & Clean from Beginning to End
ProStar™ welding wire is the right choice for weld productivity and quality—formulated for both manual and robotic welding.

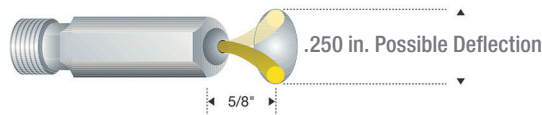
WHAT DOES “TWIST-FREE” MEAN IN A WELDING WIRE?

- “Twist-free” means the drawing and packaging process results in a product with very little cast or helix – wire comes out of its packaging much straighter compared to standard wires.
- Wire and arc placement are predictable—it goes where you want and doesn’t flip back and forth—helping to reduce over-welding, waste, and cost/inch.
- Straighter wire creates less wear points inside a conduit, with reduced possible binding areas and less drag for more consistent feeding.
- Straighter wire creates uniform contact tip wear, which means that properly sized tips can be used and consumable costs are reduced.
- Straighter wire provides feed consistency from pack to pack.
- All of these factors contribute to greater productivity, less downtime, and reduced overall welding costs.

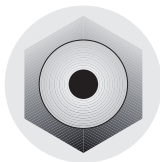
TORCH TIP WEAR COMPARISON | PERFORMANCE COMPARISON



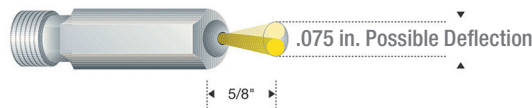
Irregular tip wear is possible with standard wire



Standard wires with twist, helix & 25 in. (600 mm) cast



Uniform tip wear with ProStar twist-free welding wire



ProStar twist-free welding wire: no twist, helix, or cast

Possible performance variance between standard welding wire & ProStar twist-free welding wire.

STANDARD FEATURES

- No cast or helix
- Single, high-quality mill source
- High-tech, proprietary drawing processes
- Distinctly clean, consistent & smooth wire surfaces for a premium surface finish
- Exclusive, proprietary stackable wire package containers with lifting access on four sides
- Inner packaging

BENEFITS

- Minimizes arc wander, weld cost-per-inch & provides uniform tip wear
- Provides superior consistency of tight wire chemistry & purity while improving overall weld quality & over-cast
- Maintains consistent wire diameter within defined tolerances
- Decreases downtime from wire feed issues
- Reduces impact on floor space & provides faster, more efficient transportation
- Cuts down on the effects of moisture

Clean Materials, Stringent Controls

ProStar twist-free welding wire starts as pickled green rod coils produced under ISO-certified control to some of the tightest batch-to-batch tolerances in the industry.

Our proprietary drawing and coppersing processes result in fewer scratches with less flaking or peeling to produce an extremely clean and smooth wire surface.

ProStar wire is packaged using our proprietary, twist-free winding machines. Innovative bulk packaging

design helps to ensure, maintain, and deliver twist-free performance, weld after weld.

The result is a wire product featuring reliable feeding and predictive welding performance that is consistent from pack to pack. This means less downtime due to clogged liners, unevenly worn consumables, and feed issues; less over-welding due to predictable placement of the weld puddle; and reduced overall weld cost-per-foot.



PROSTAR TWIST-FREE WIRE GRADES

DRUM SIZE	ER70S-3	ER70S-6 Automotive	ER70S-6 Professional	ER80SD-2/90SD-2
	Available Wire Diameter (in)			
330 lbs. (150 kg)	.035 .040	×	.035 .040 .045 .052	0.35 0.52
660 lbs. (299 kg)	.035 .045 .052	Available early 2019 .035 .045 .052	.030 .035 .040 .045 .052	.045
1,200 lbs. (544 kg)	.035 .045 .052	.035 .045 .052	.030 .035 .040 .045 .052 .062	.045 .052 .062