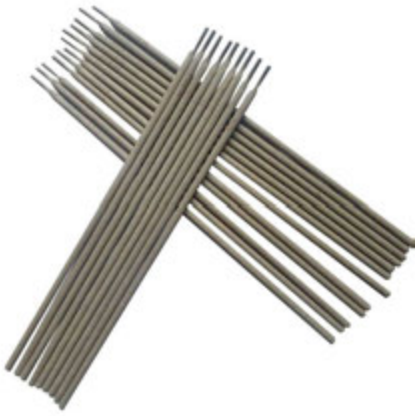
PANDA WELD

PANDA WELD CATALOG
GREAT PRICES, ACCEPTABLE QUALITY



STAINLESS STEEL WELDING ELECTRODES

Electrodes

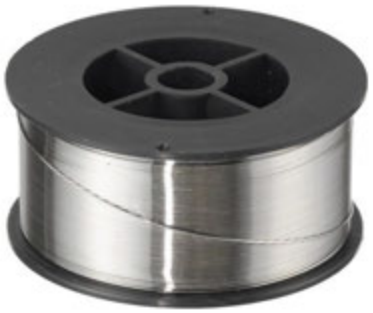
- Perfect **FULL LENGTH** welding
- Self-releasing slag
- Low moisture absorption
- Perfect re-striking
- Best in class welding & packaging

	Product Name	Classification AWS/SFA	Mechanical Properties of Weld Metal (Typical) Yield Strength N/mm2	Tensile Strength N/mm2	Elongation A5 (%)	Impact (J)	Welding Conditions	Unique Feature
1.	**SUPER OPTIMAL 307**	E 307L-16	-	>600	>35	>75 at RT	AC;DC+	Austenitic structure, rutile type, excellent weldability. Excellent machinability.
2.	**SUPER OPTIMAL 308H**	E 308H-16	-	600	37	>55 at RT	AC;DC+	Smooth weldability. Suitable for high. temperature applications.
3.	**SUPER OPTIMAL 308L-15**	E 308L-15	-	>550	>40	>40	DC+>47 at -196°C	Superior weldability, self-peeling slag best suitable for pipe welding. Impact passes at-196°C.
4.	**SUPER OPTIMAL 308L***	E 308L-16	-	610	44	60 at RT	AC;DC+	LMA type coating, superior weldability without spatter, self-peeling slag. Best in class mechanical properties.
5.	**SUPER OPTIMAL 309Cb**	E 309Cb-16	-	590	40	75 at RT	AC;DC+	Excellent resistance to chemical corrosion and heat. Weldability with spatter free arc, self-releasing slag.
6.	**SUPER OPTIMAL 309L***	E 309L	-	16-600	>35	60 at RT	AC;DC+	Excellent weldability, self-peeling slag. BestExcellent weldability, slag-peeling slag best in class mechanical properties. Best for joining dissimilar steels
7.	**SUPER OPTIMAL 309L-15**	E 309L-15	-	>550	>30	60 at RT	DC+	Excellent weldability. Best in class mechanical properties.
8.	**SUPER OPTIMAL 309LMO**	E 309LMo-16	-	600	35	65 at RT	AC;DC+	Highly crack resistant. Soft fusion, nice aspect of the bead, slag lifts by itself.
9.	**SUPER OPTIMAL 310**	E 310-16	-	620	35	75 at RT	AC;DC+	Austenitic structure, rutile type, excellent weldability.Superior weldability.
10.	**SUPER OPTIMAL 312***	E 312-16	>500	>800	>20	70 at RT	AC;DC+	Excellent crack, heat and shock resistant, highest tensile strength with elongation in class.
11.	**SUPER OPTIMAL 316L***	E 316L-16	-	>590	>35	60 at RT	AC;DC+	Superior weldability, finely rippled bead, self-peeling slag. Best in class corrosion resistant.
12.	**SUPER OPTIMAL 316L-15**	E 316L-15	-	570	40	>50 at -60°C.	DC+	Superior weldability, self peeling slag, controlled fluidity, best for all position welding. Impact passes at-196°C.
13.	**SUPER OPTIMAL 317LE 317**	L-16	>400	590	36	50 at RT	AC:DC+	Excellent weldability. Smooth arc, finely rippled weld bead, self-releasing slag.
14.	**SUPER OPTIMAL 318-16**	E 18-16	450	590	35	65 at +20°C	AC;DC+	Excellent intergranular corrosion resistant, good weldability, self peeling slag.
15.	**SUPER OPTIMAL 347**	E 347-16	-	590	40	60 at RT	AC:DC+	Soft fusion, without spatters, very easy slag removal, exceptional weld bead appearance, easy restriking.

16.	**SUPER OPTIMAL 347-15**	E 347-15	-	590	40	>47 at -60°C	DC+	Controlled fluidity, superior weldability, self-peeling slag, superior intergranular corrosion resistant.
17.	**SUPER OPTIMAL 385**	E 385-16	>370	>570	>35	>70at +20°C	AC;DC+	Fully austenitic, highly corrosion resistant. Good weldability in all positions, except vertical down.
18.	**SUPER OPTIMAL 2209-16**	E 2209-16	>500	>700	>25	>47 at -40°C	AC:DC+	Corrosive resistant duplex-steels. Excellent resistant to intergranular corrosion, pitting and stress corrosion conditions
19.	**SUPER OPTIMAL 2594-16***	E 2594-16	>650	>800	>20	>47 RT	AC;DC+	Super-duplex stainless steels. Excellent resistant to pitting and crevice corrosion. Excellent weldability, spatter free arc, very smooth bead appearance
20.	**SUPER OPTIMAL 410**	E 410-15>250	>250	>520	>22	-	AC;DC+	Heavy coated low hydrogen type. Excellent weldability.
21.	**SUPER OPTIMAL 410NiMo E 410NiMo-15**	>600	>600	>850	≥15	-	DC+	Basic coated. Superior weldability. Excellent resistance to abrasion.

STAINLESS STEEL WELDING WIRES

Stainless Steel MIG Wires



Size Range
0.60 mm to 1.20 mm (0.025" to 0.047")

Finish
Bright, Semi-Bright & Matte

Packaging
1 kg, 5 kg, 12.5 kg,15 kg & 20 kg plastic & Basket Spools

100kg & 250kg Drum Pack

Panda Weld manufactures high quality stainless steel MIG welding wires in bright as well as in matte finish with specially designed cleaning operation to avoid welding contamination & trouble free feeding. Super MIG welding wire comes in plastic & in metal basket spool as per the different weight requirement by customers. The wires tensile strength, helix and cast diameter is engineered to precise tolerance to ensure perfect "Pay-Off". Panda Weld also manufactures stainless steel MIG welding wires in bulk supplies, which comes with 100 to 250 Kgs (250 to 500 Lbs) fibre/card board drums for robotic as well as for general applications. Our pail pack drums equipped with all required facilities for robotic uses & can be utilized on any wire-feeding unit without changing much expensive equipment's. Our pail pack drum also increases productivity by reducing down times as compared with small plastic spools. Cast & helix of our pail pack drums are engineered in such a manner that it reduces wastage of wires & increase life of liner tips.

Stainless Steel TIG Wires

Size Range
0.80 mm to 5.00 mm (0.030" to 0.196")

Finish
Bright

Packaging
1 kg, 2 kg, 5 kg & 20 kg

Length
1000mm (40") & 914 mm (36")

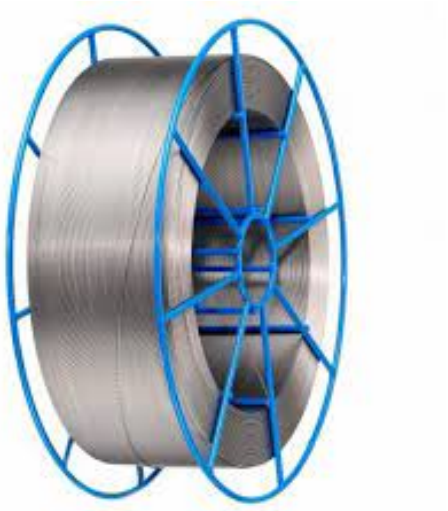
Panda Weld manufactures high quality stainless steel TIG welding wires in 36" & 1,000 mm cut lengths, with embossing on one or both sides above 1.2 mm wires as per customer's requirements. TIG welding wires are supplied in bright and clean finish to avoid all possible contamination. Plastic tube/ cardboard tube packaging of 5kg (10lbs) in master carton of 20kg (44lbs) further packed in wooden/cardboard box/Euro pallet

Stainless Steel MIG Wires

Size Range
1.60mm to 4.00mm (0.062" to 0.156")

Finish
Bright & Matte

Packaging
25 kg Paper Core & K415 basket spools



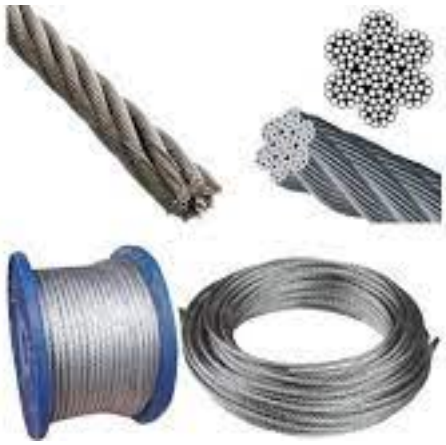
Panda Weld manufactures clean & layer wound wire for submerged arc welding from 1.60 mm (0.0625") to 5.00 mm (0.1875") in various grades in bright as well as in matte finish. The tensile strength, helix and cast diameter is engineered to precise tolerance: to ensure perfect "Pay-Off".

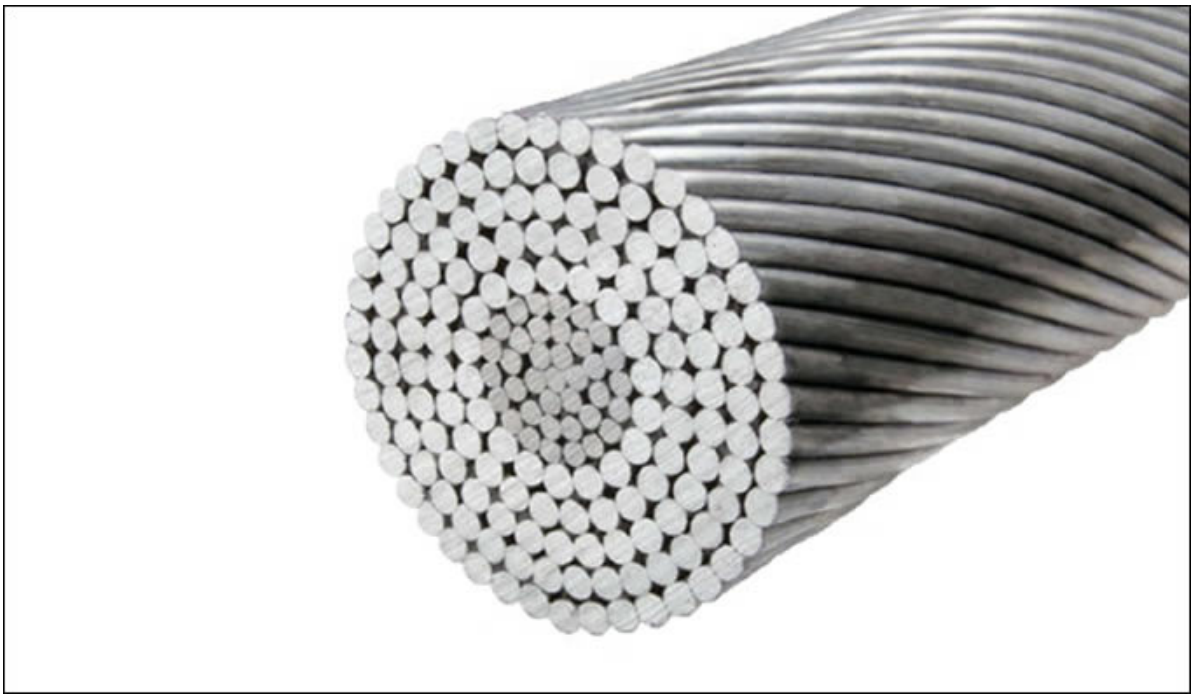
Stainless Steel Core Wires

Size Range
1.60mm to 5.00mm (0.062" to 0.196")

Packaging
Cut length of 350mm & coils

Finish
Bright & Matte





STAINLESS STEEL WIRE

Stainless Steel Fine Wires

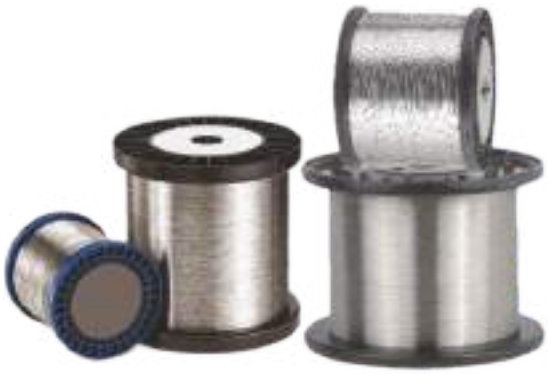
Size Range
0.10mm to 0.70mm (0.004" to 0.317")

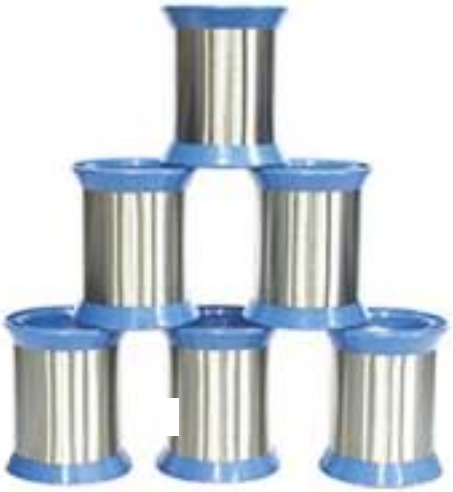
Finish
Bright

Temper
Annealed or spring hard (stress relieved - optional)

Packaging
On spools DIN 125, DIN160, DIN 200, DIN 250 & DIN 355

Application
Braiding, Knitting, Weaving, Jewellery, Scrubber, Shorts, Brushes, Staples, Wire Rope Manufacturing, Fencing etc.





STAINLESS STEEL THICK WIRES

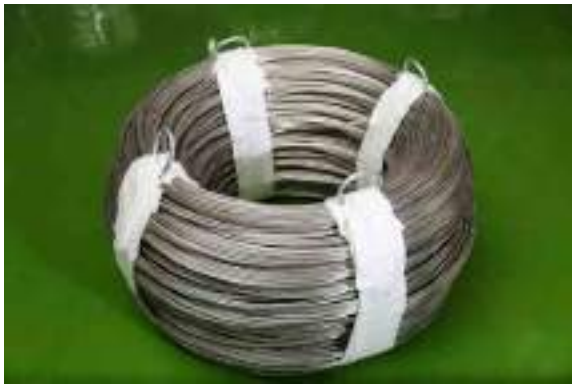
Size Range
0.70mm to 7.00mm (0.317" to 3.17")

Finish
Soap Drawn (Matte Finish)/Grease Drawn (Bright Finish) Cleaned or with residual lubricant, Bright Drawn (EPQ) Quality.

Temper
Annealed or spring hard

Packaging
Coils on Hanger & DIN 760 Metal Spool

Application
Air Bag, Balls, conveyor belts, Fasteners, Fencing, Filters, Hangers, Lashing, Nails, Kitchen Hose, Roofing Hooks, Screens, Staples, Wool, Wire Mesh, Wire Ropes, etc.



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