HYUNDAI BALL PAC

Take Your Welding Experience to a Higher Level

Your Welding Partner

HYUNDAI WELDING

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Ball Pac

Meet Hyundai Welding's Marble System Today

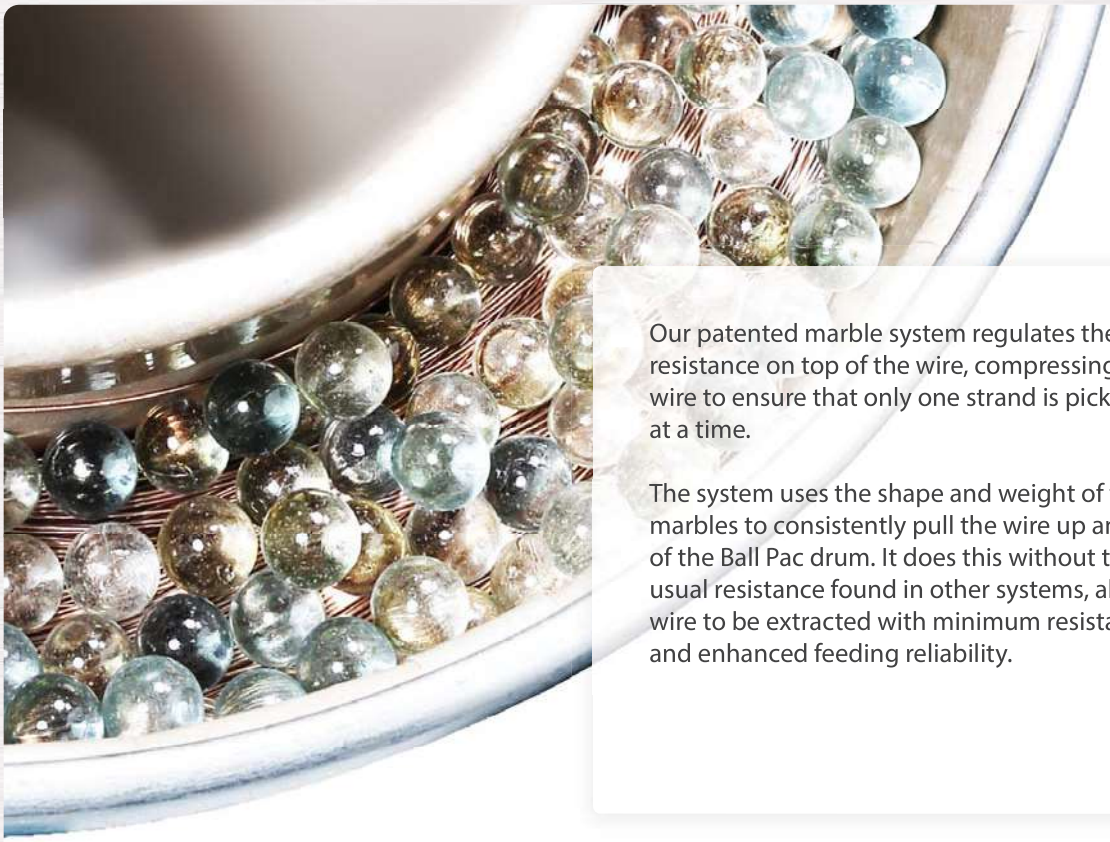
Our pre-tensioned, electroplated wire and patented marble system provide more consistent starts, more accurate weld tracking, and excellent feedability, which are essential for robotic and automated welding applications. The high-capacity design also significantly reduces downtime between wire changes. Decreased downtime means increased productivity.

Product Information

Our patented marble system allows for better feeding reliability and improves welding efficiency. Hundreds of marbles inside our drums prevent wire deformation and tangling. The wire is extracted directly with this innovative system, reducing friction and tangles, creating an improved welding experience and superior results.

BALL PAC

HYUNDAI BALL PAC is a new and improved version of our original Pail Pack. Our patented 'marble' system, acts as a 'non-static' resistance on top of the wire. The marbles add weight on the wire to ensure that only one strand, at a time, is picked up.



Our patented marble system regulates the resistance on top of the wire, compressing the wire to ensure that only one strand is picked up at a time.

The system uses the shape and weight of the marbles to consistently pull the wire up and out of the Ball Pac drum. It does this without the usual resistance found in other systems, allowing wire to be extracted with minimum resistance and enhanced feeding reliability.

Specifications

Product Packages	Drum Dimensions and Weight	Cap Dimensions	Wire diameters	Wire Types	Conduit
440 lbs (200 kg) 551 lbs (250 kg) 661 lbs (300 kg)	**Diameter** 20.1 in (510 mm) **Height** 31.9 in (810 mm) **Weight** 22 lbs (10 kg)	**Diameter** 20.1 in (510 mm) **Height** 11.8 in (300 mm)	.035 in (0.9 mm) .039 in (1.0 mm) .045 in (1.1 mm) .052 in (1.4 mm) 1/16 in (1.6 mm)	Solid / Flux Cored Stainless Steel	**Type** Flexible **Diameter** 0.43 in (11mm) **Length** 3.28–16.4 ft (1–5 m)
882 lbs (400 kg) 926 lbs (420 kg)	**Diameter** 26 in (660 mm) **Height** 31.9 in (810 mm) **Weight** 33 lbs (15 kg)	**Diameter** 26 in (660 mm) **Height** 19.7 in (500 mm)			

Ball Pac Features

Hyundai solid wires are 'pre-tensioned' resulting in little to no cast and helix when exiting the Ball Pac. The straightness of the wire provides more accurate and consistent welds and tracking during a weld. This is ideal for automated applications.

Excellent Feeding

The Ball Pac minimizes friction normally resulting from twisted or tangled welding wire. This results in smooth wire feeding and stable arc, two essential elements of effective welding.

Anti-tangling & Twist Proof Design

Hyundai Ball Pac has proven its superior quality and strong performance in various industries over many years. This patented marble system functions as an anti-tangling device that prevents welding wires from tangling and twisting inside the drum.

Protection Against Damage and Deformation

Because the welding wire is pre-installed in our factories inside a metal container, the welding wire is effectively protected from damage and deformation resulting from stacking during shipping and storage.

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Accurate Tracking of Welding Seams

Welding wire is wound inside the drum under tension so that it can be extracted straight out of the drum without rotation. Ensuring that the welding wire is straight allows for more accurate tracking of welding seams.

Reduced Downtime and Improved Productivity

The Ball Pac design increases the weight of welding wire available in a single drum. This substantially reduces downtime between wire changes improving productivity. Design features that reduce intervention during welding activity are particularly suited to robotic and automated welding processes.

Patent & Trademark Principal Register

Patent

US. 5,746,380 / AU. 681988

Utility Model

KR. 135931 / JP. 3040923 / CN. ZL 96 2 18535.3

Trademark Principal Register

KR. 378634 / US. 2139642 / JP. 4181764

Technical Information

Hyundai Solid Welding Wire

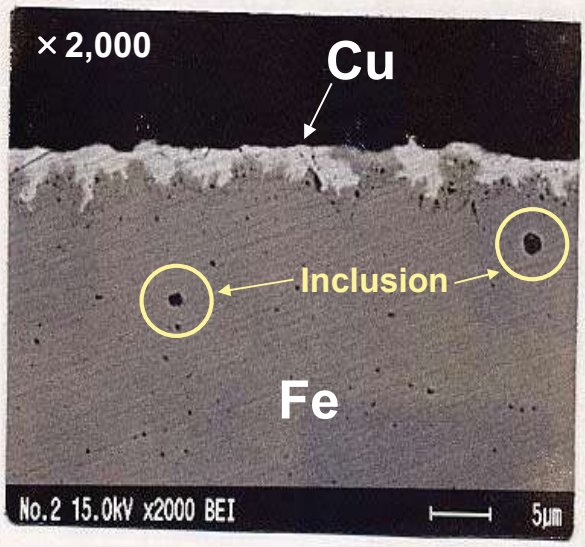
Hyundai Welding is one of the few manufacturers that supply electroplated welding wire. Electroplated welding wire provides more accurate and consistent arc when compared to chemically plated welding wire.

Electroplating Provides Uniform Copper Coating

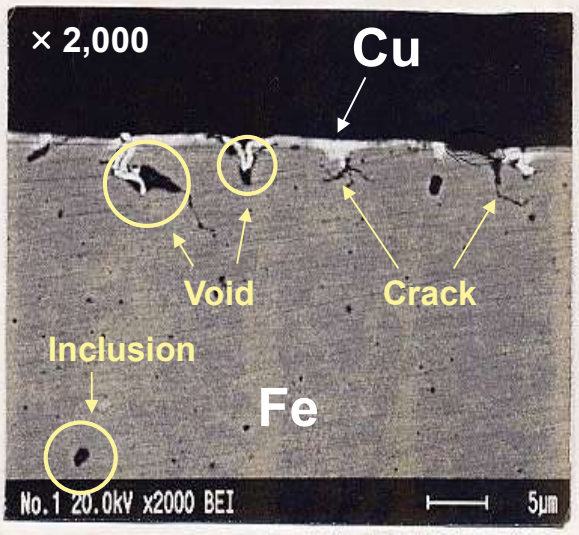
Electroplated welding wire has a smoother surface to optimize feeding efficiency and extend the life of welding equipment (feeder tips, liners, etc.).

Cross-section Magnification (x 2,000)

Electroplating



Chemical plating



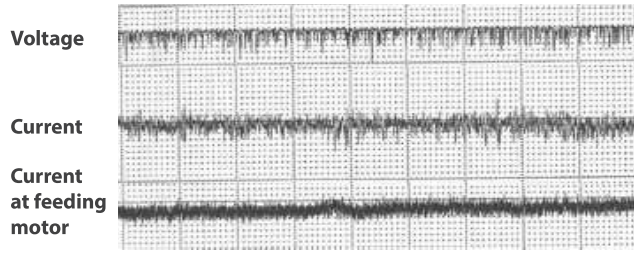
The electroplating process forms a consistent copper coating with a smooth finish over the surface of the welding wire. All of the wire strand's voids and cracks are filled with copper to create a welding wire that provides a consistent welding experience.

Electroplating: The Key to High-Performance Welding

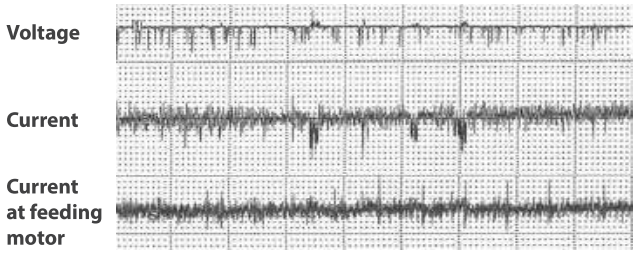
One of the most important benefits of using electroplated welding wire is the consistent copper coating that is evenly applied to its external surface. This enables stable current and voltage levels to be applied effectively during the welding process to produce excellent welds.

Comparison of Power Characteristics

Electroplating



Chemical plating



Electroplated welding wire enhances stable power characteristics during the welding process.

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