

# INSTRUCTIONS

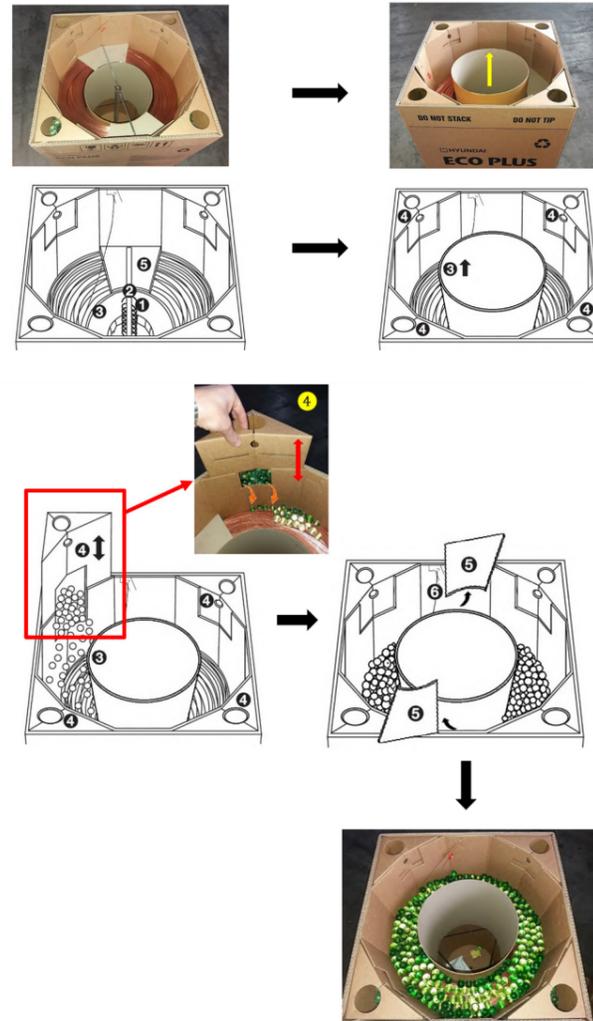
## HOW TO USE WITH BALL PAC

Remove the spring ❶ and the steel rod ❷. (Grasp the steel bar ❷ and remove the spring ❶) As the spring ❶ and steel bar ❷ are removed, the paper tube ❸ automatically rises.

(It is possible that the elastic has lost some of its strength and the paper tube ❸ is not going back up correctly. If you find yourself in this situation, the problem is solved simply by slowly pulling the paper tube ❸ with the hand. The paper tube ❸ serves to prevent the glass spheres from falling into the central space of the thread)

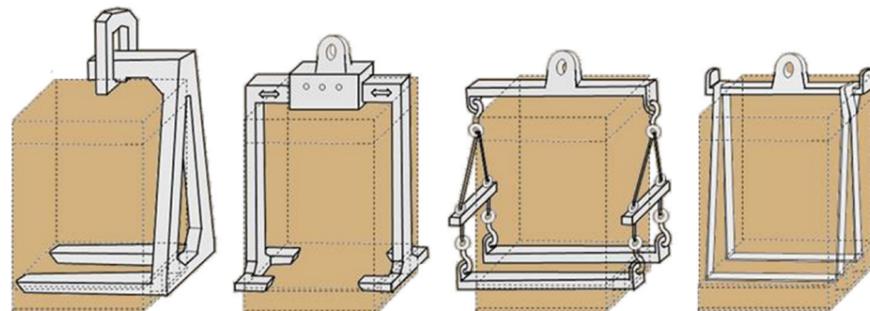
As shown in the drawing, extract the cardboard corners containing the glass spheres ❹ found in every corner. And deposit «all» the glass spheres on the thread. (After placing all the glass spheres on the wire, put the corner pieces back in each angle.) Important: Before pulling out the corner pieces ❹, the paper tube ❸ must be pulled out.)

Remove the two cardboard protections ❺. (To avoid tangling of the thread, remove the cardboard sheets only after placing all the balls glass on the wire.)



## HOW TO LIFT ECO PLUS

- Please use a proven lift as much as possible. (must be free of damage)
- Low lifts must be able to lift loads of 1,500 kg or more at all times.
- The use of the lift must always comply with the manufacturer's safety regulations
- Use under the supervision and direction of an administrator.



# ECO PLUS

Disposing of waste is expensive, **RECYCLING IS CONVENIENT!** For this reason Hyundai Welding successfully proposes the new packaging for drums called ECO PLUS. The ECO PLUS drums are in fact made of 100% recyclable cardboard and their particular structure allows us to take advantage of the exclusive Hyundai Ball pac® technology.

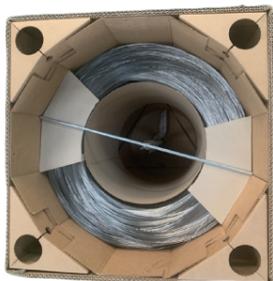
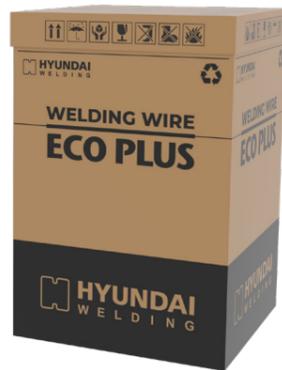


HYUNDAI WELDING is a global manufacturer of welding consumables and equipment. As the top leading manufacturer of welding consumables in Korea, and with a global network of sales, distribution and manufacturing plants, HYUNDAI WELDING has developed into a key player in the international welding industry.

Our company is fully committed to the ever-changing needs of our customers and has evolved in just under 50 years to provide welding expertise and breakthroughs in welding technology. HYUNDAI WELDING understands customer needs and offers customers world-class products and world-class solutions.

## PRODUCT INFORMATION

Disposal of waste is expensive, recycling is convenient. For this reason Hyundai Welding presents ECO PLUS, the new drum for welding wires made of 100% recyclable cardboard. It is standard supplied with the exclusive anti-tangling Hyundai Ball pac® technology.



### Corrugated cardboard type

- A lightweight structure that does not require separation of materials
- Easy to handle, discard and recycle
- Application of reinforced corrugated cardboard for packaging heavy goods with high functionality and enhanced moisture resistance and strength

### Quadrilateral structure

- Improved stability and ease of loading

### Safe Load Design Criteria

- Applying the safety factor of RSC vertical compressive strength standard
- 545 type safety load 619kgf
- 610 type safe load 939kgf

Model	Weight	Diameter mm (in)	Product Type
 	Up to 500 kg	0.9 / 1.0 / 1.2 / 1.4 / 1.6 (0.035 / 0.040 / 0.045 / 0.052 / 1/16)	GMAW
 	300 kg	0.9 / 1.0 / 1.2 / 1.4 / 1.6 (0.035 / 0.040 / 0.045 / 0.052 / 1/16)	FCAW
	420 & 500 kg	1.4 / 1.6 (0.052 / 1/16)	

## Ball pac

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.

### 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.



### 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

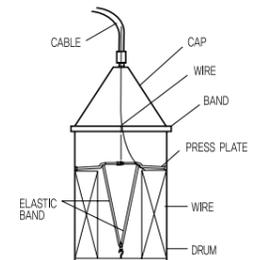
KR. 135931 / JP. 3040923 / CN. ZL 96 2 18535.3

#### Trademark Principal Register

KR. 378634 / US. 2139642 / JP. 4181764

## MAX PAK

MAX PAK is an effective system to avoid tangling of the wire during pay-off. It uses a press plate and elastic band to keep the remaining wire in place. It guarantees regular, low force feeding resulting in straight welds with good penetration along the intended welding line. It is easy to see when the drum is almost empty and needs to be replaced.



## RING PAK

RING PAK is an effective system to avoid tangling of the wire during pay-off. It uses a press and a spring to keep the remaining wire in place. It guarantees regular, low force feeding resulting in straight welds with good penetration along the intended welding line.

