



# Böhler Welding Drum Solutions

Wire Volume Systems for  
Cost-Efficient MIG/MAG Welding





## Wire Volume Systems for Cost-Efficient MIG/MAG Welding

Welding wires from voestalpine Böhler Welding can be supplied in special volume packaging in the form of round and octagonal drums with filling contents from 250 up to 500 kg, depending on wire type and diameter. They provide efficient MIG/MAG welding, especially in mechanized and robotic operations where the elimination of time consuming wire spool exchanges yields drastically increased duty cycles and production output.

Drum solutions are offered across the wire ranges of our three category brands – Böhler Welding, UTP Maintenance and Fontargen Brazing – covering non and low-alloyed, stainless, aluminium, nickel-base and copper-base main wire types for welding, cladding, hardfacing and brazing. The range includes solid wires, flux and metal-cored wires and submerged arc welding wires.

A range of accessories for efficient internal transport and installation of the drums is available, including a choice of four different “click and go” liner types to connect the drums with the wire feed unit.







# Streamline Your MIG/MAG Welding Operations

## Increased net arc time

Drastically reduced downtime for wire spool exchange is a major and most obvious saving when using drums instead of 18 kg wire spools. With the 500 kg drum, you will avoid 26 spool changes of roughly ten minutes each, while the 250 kg drum accounts for a gain of 13 spool changes. The result is 260 or 130 more minutes of net arc time and a correspondingly higher duty cycle and production output. Use of the drums will thereby immediately lower your welding costs and improve your company's competitive edge.

However, there is much more to be gained. The implementation of our drum systems - with high quality welding wires and dedicated accessories - will streamline your entire MIG/MAG welding operation, as summarized by the table.

Features	User benefits
Drastically reduced downtime for spool exchange	<ul style="list-style-type: none"> <li>■ Increased arc time and higher production output</li> </ul>
No spools getting empty during welding	<ul style="list-style-type: none"> <li>■ No partly welded objects to repair or scrap</li> <li>■ Higher production output</li> </ul>
Problem-free wire transport due to high wire quality and special feeding system	<ul style="list-style-type: none"> <li>■ Stable welding performance</li> <li>■ Increased arc time and higher production output</li> </ul>
Controlled wire cast and helix	<ul style="list-style-type: none"> <li>■ Precise weld positioning in mechanized and robotized welding</li> </ul>
No spool weight to pull into motion	<ul style="list-style-type: none"> <li>■ Lower wear of wire feeder components such as motors and rollers</li> </ul>

# A Choice of Round and Octagonal Drums

Welding wire drums from voestalpine Böhler Welding are either round or octagonal. Both are made from cardboard and can be used with the same set of accessories. Round drums are very strong and are a good option for heavy welding applications and tough work floor conditions. Octagonal drums are fit for mainstream use without the chance of heavy impact forces onto the drum. The latter is foldable when empty, taking minimal storage space until disposal. Drum components are fully recyclable. Both drum types are offered across the wire ranges of our three category brands, as shown by the table. Two drums are packed on a returnable Europallet (1200 x 800 cm).

voestalpine Böhler Welding drum solutions: wire types and material across the programmes of our three category brands Böhler Welding, UTP Maintenance and Fontargen Brazing.

Wire type and material*	Round drums ø x h = 500 x 828 mm	Octagonal drums ø x h = 600 x 980 mm	
<b>Non and low-alloyed</b>	<b>Standard weight</b>	<b>Standard weight</b>	<b>depending on diameter and type</b>
Solid wires	250 kg	250 kg	200 – 500 kg
Cored wires	250 kg	150 kg	150 – 250 kg
SAW wires	350 kg (560 x 900 mm)		200 – 350 kg
<b>Stainless steel</b>			
Solid wires	250 kg	250 kg	200 – 500 kg
Cored wires	250 kg	150 kg	120 – 250 kg
SAW wires	350 kg (560 x 900 mm)		200 – 350 kg
<b>Ni-base</b>			
Solid wires	250 kg	250 kg	150 – 500 kg
Cored wires	250 kg	150 kg	150 – 250 kg
<b>Cu-base</b>			
Solid wires	250 kg	250 kg	150 – 250 kg

\*Drums for aluminium are described in a separate brochure together with special accessories for aluminium wires.



Octagonal drums can be folded flat, occupying minimal storage space when empty.

# Accessories for Safe and Efficient Internal Transport and Installation

## Lifting Bar

CE approved lifting bar - designed according to EN 13155 - for internal transport by overhead crane. The lifting straps attached to the drum are positioned around the stiff hooks for safe transport.



Art. No. 71201: Lifting Bar

## Trolley

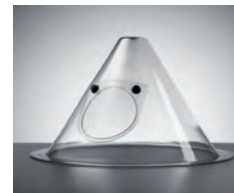
Universal hand-pushed trolley for all types and sizes of round and octagonal drums.



Art. No. 86549: Trolley

## De-coiling Hood

Universal de-coiling hood of rigid Plexiglas for round and octagonal drums. Enhances smooth wire pay-off and protects against contamination of the wire. Work opening covered with plastic flap.



Art. No. 25254: De-coiling Hood

## Pro Liner Connect

"Click & go" spiral liner of hardened steel with rounded edges for non, low and medium-alloyed wires. Length 5 m. Comes with drum-hood connector and quick coupling CRNG40 and universal connector for wire feeders. Durable liner, even under extreme conditions. Tolerates strong robot arm movements over extended periods. 5m extension set can be ordered separately.



Art. No. 84241: Pro Liner Connect

Art. No. 86465: Pro Liner Extend

## Premium Liner Connect

Innovative "click & go" liner for feeding without any friction and lowest liner wear. Features internal rollers placed in line under a 90 degree angle. For any type of welding wire. The ultimate solution for any feeding challenge. Comes with drum-hood connector and quick coupling CRNG20 and universal connector for wire feeders. Ideal for long time uninterrupted feeding, while allowing highly dynamic robot arm movements. An extension set at any required length can be ordered separately.



Art. No. 84242:  
Premium Liner Connect

Art. No. 86477:  
Premium Liner Extend

## Soft Liner Stainless Connect

"Click & go" polyethylene liner for stainless, aluminium and copper-base wires. Length 5 m. Comes with drum-hood connector and quick coupling CRNG40 and universal connector for wire feeders. Couplings are insulated to avoid direct contact between wire and coupling. 5 m extension set can be ordered separately.



Art. No. 86468: Soft Liner Connect

Art. No. 86469: Soft Liner Extend

## Premium Liner SAW Connect

Innovative "click & go" liner for feeding without any friction and lowest liner wear. Can be ordered at any required length. Features internal rollers placed in line under a 90 degree angle. For any type of submerged arc welding wire up to 4.0 mm diameter. The ultimate solution for any SAW feeding challenge. Comes with drum-hood connector and special SAW quick coupling. Ideal for long time uninterrupted feeding.



Art. No. 86478:  
Premium Liner SAW Connect

## Wire Straightener

For use with soft wires e.g. aluminium and copper-base. Removes spooling deformation and delivers straight wires into the liner and feeding unit. Comes with CRNG40 quick coupling to fit on drum-hood connector and liner.



Art. No. 69893: Wire Straightener

# Nine Simple Steps to Install

1



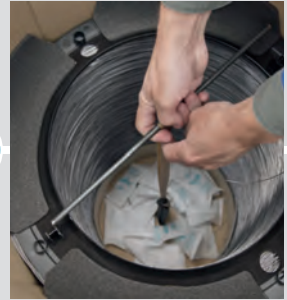
Remove the perforated instruction panel and take remainder of lid from the drum

2



Cut the wire loose

3



Remove fixation bar

4



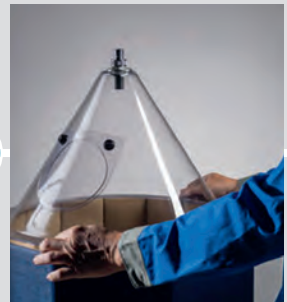
Take drum-hood connector from liner

5



Attach drum-hood connector to de-coiling hood

6



Place the de-coiling hood

7



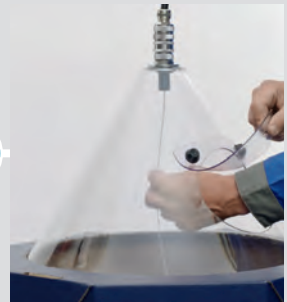
Place lid over the cone back onto the drum.

8



Click the selected liner onto the hood

9



Feed the wire through the liner

## Alternative Steps for round drums:

6



Open fixation ring and remove lid

7



Place cone and close fixation ring

To view a video on the installation process go to: [https://youtu.be/SDf\\_Fzh9NBo](https://youtu.be/SDf_Fzh9NBo)



# Always the Correct Welding Wire

As an option for fabricators with high safety and quality assurance demands in serial production, we can supply our welding wire in round and octagonal drums equipped with RFID (Radio Frequency Identification) labels. They can be used for standard bar code reading and/or RFID scanning, but also in combination with our ViewSystems MESprotect for automatic material identification.

MESprotect is a quality assurance device that guarantees the use of the correct welding wire in serial fabrication, by excluding human errors. In case of a wrong supply, MESprotect will immediately stop the welding station, thereby avoiding costly re-work and possible future claims.

## What RFID labels do for you

- When reading the RFID label there is a clear designation of the material grade, diameter and packaging to EAN/GTIN
- The data is identified according to the GS 1-128 code.
- A prerequisite for using the RFID label is that the supplier uses an identifier and the use of a parser reader to be able to read the data.
- The content of the RFID label provides the ability to automatically scan if the right welding consumable/material grade and article is used for a specific welding task in production.

## RFID label



## RFID chip



# voestalpine Böhler Welding

## Welding know-how joins steel

With over 100 years of experience, voestalpine Böhler Welding is the global top address for the daily challenges in the areas of joint welding, wear and corrosion protection as well as brazing. Customer proximity is guaranteed by more than 40 subsidiaries in 25 countries, with the support of 2,200 employees, and through more than 1,000 distribution partners worldwide. And with individual consultation by our application technicians and welding engineers, we make sure that our customers master the most demanding welding challenges. voestalpine Böhler Welding offers three specialized and dedicated brands to cater our customers' and partners' requirements.



**Lasting connections** – More than 2,000 products for joint welding in all conventional arc welding processes are united in a product portfolio that is unique throughout the world. Creating lasting connections is the brand's philosophy in welding and between people.



**Tailor-made Protectivity™** – Decades of industry experience and application know-how in the areas of repair of cracked material, anti-wear and cladding, combined with innovative and custom-tailored products, guarantee customers an increase in the productivity and protection of their components.



**In-depth know-how** – Through deep insight into processing methods and ways of application, Fontargen Brazing provides the best brazing and soldering solutions based on proven products with German technology. The expertise of this brand's application engineers has been formulated over many years of experience from countless application cases.

Scan QR code to access  
more information on our web site.

