

Lasting Connections

DRUM SYSTEMS FOR COST-EFFICIENT WELDING





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DRUM SYSTEMS FOR COST-EFFICIENT WELDING

WIRE VOLUME SYSTEMS FOR COST-EFFICIENT WELDING.

Welding wires from voestalpine Böhler Welding can be supplied in special volume packaging in the form of round, square and octagonal drums with filling contents from 100 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 different “click and go” liner types to connect the drums with the wire feed unit. Additionally with the Böhler LD feed we offer a smart way to ensure trouble free wire transport even over long distances.

Our drum systems are available for:





STREAMLINE YOUR 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	» Increase arc time and higher production output
Uninterrupted wire feeding during the whole welding process	» No partly welded objects to repair or scrap » Higher production output
Problem-free wire transport due to high quality and special feeding system	» Stable welding performance » Increased arc time and higher production output
Controlled wire parameters	» Precise weld positioning in mechanized and robotized welding
Effortless wire transport	» Lower wear of wire feeder components such as motors and rollers

A CHOICE OF ROUND AND OCTAGONAL DRUMS

Welding wire drums from voestalpine Böhler Welding are either round, square or octagonal. They are made from environmental friendly materials and can be used with the same set of accessories. Round drums are very strong and are a good option for tough transport and workflow conditions. Square and octagonal drums are fit for general use under controlled transport and work floor conditions.

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.

	Name	Format	Central Benefit
	BASEdrum™ 250	Ø 520 x 720 mm (Ø 520 x 749 mm with hood)	» For tough transport and work floor conditions
	CLIMAdrum™ 250		» Safe welding in difficult climates
	ECOdrum™ 250	Ø 520 x 870 mm (Ø 520 x 1165 mm with hood)	» Environmental friendly and easy to dispose
	ECOdrum™ 400	Ø 600 x 980 mm (Ø 600 x 1280 mm with hood)	
	SQUAREdrum™ 300	Ø 550 x 550 x 925 mm (Ø 550 x 550 x 1215 mm with hood)	» Highest productivity for uninterrupted welding
	SQUAREdrum™ 550	Ø 720 x 720 x 1080 mm (Ø 720 x 720 x 1140 mm with hood)	
	SAWdrum™ 350	Ø 570 x 900 mm	» High productivity and wire protection

ACCESSORIES FOR SAFE AND EFFICIENT TRANSPORT

Böhler Lift 250

Newly designed light-weight lifting bar according to EN 13155 for easy and safe transport of Böhler Welding BASEdrum™, CLIMAdrum™ and ECOdrum™ by fork lift truck or overhead crane. CE approved.












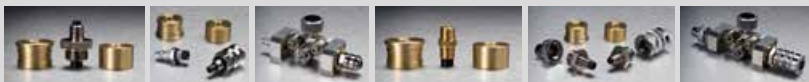




Art. Nr. 28373: Böhler Lift 250

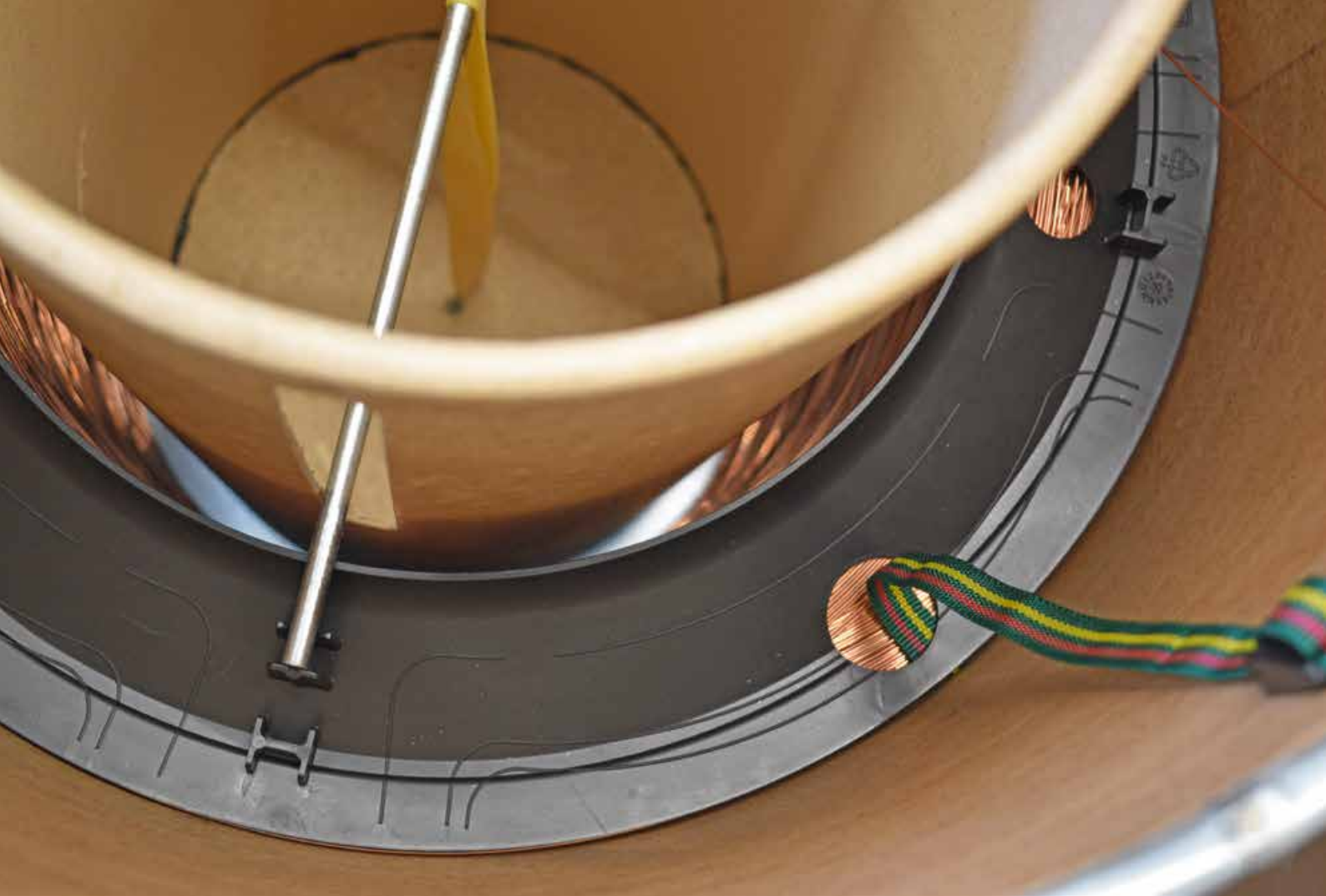
Art. Nr. 28549: Trolley Universal

Trolley Universal

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

A dedicated selection of professional liners, connectors and adapters allows the installation of drums in almost any production set up

<p>Hood</p> <p>Universal hood of rigid plexiglass for round and octagonal 100 and 250 kg drums. Enhances smooth wire pay-off and protects against contamination of the wire. Work opening covered with plastic flap.</p>	 <p>Art. No. 25254: Hood</p>	
<p>Pro Liner Connect</p> <p>"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, quick coupling and universal connector for wire feeders. Durable liner, even under extreme conditions. Tolerates strong robot arm movements over extended periods. 5 m extension set can be ordered separately.</p>	 <p>Art. No. 84241: Pro Liner Connect</p>	 <p>Art. No. 86465: Pro Liner Extend</p>
<p>Premium Liner Connect</p> <p>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, quick coupling and universal connector for wire feeders. Ideal for long time uninterrupted feeding, while allowing highly dynamic robot arm movements. Can be ordered in individual lengths (minimum 3 m).</p>	 <p>Art. No. 84242: Premium Liner Connect</p>	
<p>Soft Liner Stainless Connect</p> <p>"Click & go" polyethylene liner for stainless, aluminium and copper-alloy wires. Length 5 m. Comes with drum-hood connector, quick coupling 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.</p>	 <p>Art. No. 86468: Soft Liner Connect</p>	 <p>Art. No. 86469: Soft Liner Extend</p>
<p>Premium Liner SAW Connect</p> <p>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 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. Can be ordered in individual lengths (minimum 3 m).</p>	 <p>Art. No. 86478: Premium Liner SAW Connect</p>	
<p>Wire Straightener</p> <p>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 quick coupling to fit on drum-hood connector and liner. Connector sets for different liner types available.</p> <div data-bbox="118 1471 930 1552"></div>	 <p>Art. No. 69893: Wire Straightener</p>	 <p>Installation Guide https://www.youtube.com/user/voestalpinewelding</p>
<p>Böhler Welding LD Feed</p> <p>The Böhler Welding LD Feed is a smart booster which supports wire feeding in most demanding set ups. Supports MIG and cold and hot wire TIG processes.</p>	 <p>Art. No. 24584: Böhler Welding LD Feed</p>	
<p>Böhler Welding LD Glide</p> <p>Böhler Welding LD Glide is a highly professional wire conduit offering perfect long distance feeding for stable welding processes. It is the most perfect connection between the voestalpine Böhler Welding wire drums and robotic systems for any type of welding wire. Connectors for different wire feeders are available. Can be ordered in individual lengths (minimum 3 m).</p>	 <p>Art. No. 82392: Böhler Welding LD Glide</p>	



3-STRAP-TECHNOLOGY

Wire drums promise trouble free welding for longer periods of time. Nevertheless there are numerous parameters influencing the expected result.

It starts with the production of the wire and the spooling of the drums in the mill; the way of handling the drum during transport and storage can influence the pay-off behavior of the welding wire. Last but not least, the wire guiding system, feeder, liner and torch can have a significant impact on the result.

The Böhler Welding drums are designed for maximum reliability. Using the latest know-how of wire feeding technology.

The 3-strap-technology makes the the pay-off ring on top of the wire to be guided by three straps instead of the normally attached foam.

Consequently pay-off is extremely reliable as there is no undefined friction between the ring and the drum. The wire comes off very consistent and requires a minimal feeding force only.

Another distinct benefit of this 3-strap-technology is that the wire cannot come off between the ring and the drum.

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://www.youtube.com/user/voestalpinewelding>



BÖHLER WELDING LD GLIDE & FEED

The Böhler Welding LD Glide and LD Feed wire guiding system comes with a number of easy to use quick connectors and expert support to match each individual architecture for a perfect long service installation.

Böhler Welding LD Feed is a smart booster which supports wire feeding in most demanding set ups. Operation in both MIG and hot and cold wire TIG processes is possible. It is positioned above the wire drum and feeds into the Böhler Welding LD Glide.

The Böhler Welding LD Feed operates independently from the installed welding equipment and records productivity and welding data. Communication within the production IT environment is easy through Ethernet and USB connectivity.

Full control of the welding process is possible, even from remote. The smart LD Feed booster can send SMS and mail alerts in case parameters run out of preset parameter fields. Böhler Welding LD Glide is a highly professional wire conduit offering perfect long distance feeding for stable welding processes. It is the most perfect connection between the Böhler Welding wire drums and robotic systems for any type of welding wire. Connectors for different wire feeders are available. The Böhler Welding LD Glide can be ordered in variable lengths.

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



APPLICATION SERVICES – YOUR ADDED VALUE.

Böhler Welding offers more than best-in-class welding consumables, because in practice, only perfect welds and highest process efficiency count. We are able to guarantee this through our outstanding application support for customers in all branches of industry worldwide.

Our application services provide:

Product and technical consultation

The optimal solution for your requirements

Our experts advise which filler material is optimal for our customers' base material, taking into account technical requirements specified for the weld, while observing process efficiency and relevant standards.

Services

- » Selection of the Böhler Welding product to meet the required classification.
- » Review of technical feasibility and economic efficiency.
- » Verification of compliance with operating standards, industry specific procedures etc.
- » Advice on the application of the individual product.
- » After Sales Service: In addition to our welding recommendations, we provide information on proper storage and handling and assist with any questions as well as trouble shooting.

Process optimization

Welding with highest efficiency

Not only what you do is important – how you do it is decisive. Our application technicians/engineers are able to review your complete welding process and propose and implement concrete solutions for optimization. Weld defects and downtime are reduced and productivity increased.

Services

- » Process consultation (analyses, productivity audit).
- » Development and implementation of concrete welding process adaptations, in close co-operation with the customer.

Education and training

Exchange of know-how to stay ahead

Each weld is as good as the person who is responsible for it. In the Application Technology Centers of our Welding Academy, we teach the skills that make our clients' technicians and enterprise benefit in the long run. Individual education and training can also be given at the site of our customers, to guarantee best results with the available welding equipment.

Services

- » Individual product and welding training.
- » In our worldwide Application Technology Centers or at the customers' premises.

Take advantage of our application services
<http://www.voestalpine.com/welding/Services/Application-Services>



WELDING ACADEMY – JOIN THE PATH TO EXCELLENCE.

The Welding Academy is the voestalpine Böhler Welding educational institute where customers and partners are trained in the use of Böhler Welding, UTP Maintenance and Fontargen Brazing branded products for their individual industrial applications. This exclusive service guarantees customers the highest level of consulting and support.

Its goal is to generate and transfer specialist know-how, as well as providing practical training courses. Content, duration and scope are all adapted to your particular needs. One-to-one or group tuition, at one of our sites or on your company premises. Our aim is to provide customized training courses which help our customers and partners to fulfil their tasks over the long term.

Focus & offerings

- » Joint welding – Training covers all standard arc welding processes including SMAW, MIG/MAG, TIG and SAW.
- » Repairs and hardfacing – Focus on courses in repair welding, corrosion and wear protection applications and thermal spraying (PTA).
- » Brazing and soldering – The seminars focus on all standard brazing processes used in tool manufacture, automotive and HVACR.
- » Materials science & process training – Metallurgical courses on weldable base materials, from unalloyed steels through to NiBas alloys.
- » Product training – The training courses cover the basic features and optimum handling of electrodes, solid and flux-cored wires, TIG rods, strips and fluxes.
- » Industry-specific seminars & workshops – These training sessions focus on the welding challenges faced in particular industries.
- » Webinars – Transmitting expertise in a quick and efficient manner saves time and money.

Book your course today
<http://www.voestalpine.com/welding/Services/Welding-Academy>



JOIN! voestalpine Böhler Welding

We are a leader in the welding industry with over 100 years of experience, more than 50 subsidiaries and more than 4,000 distribution partners around the world. Our extensive product portfolio and welding expertise combined with our global presence guarantees we are close when you need us. Having a profound understanding of your needs enables us to solve your demanding challenges with Full Welding Solutions - perfectly synchronized and as unique as your company.



Lasting Connections – Perfect alignment of welding machines, consumables and technologies combined with our renowned application and process know-how provide the best solution for your requirements: A true and proven connection between people, products and technologies. The result is what we promise: Full Welding Solutions for Lasting Connections.



Tailor-Made Protectivity™ – The combination of our high-quality products and application expertise enables you to not only repair and protect metal surfaces and components. Our team of engineers, experienced in your specific applications, offer you customized solutions resulting in increased productivity for your demanding challenge. The result is what we promise: Tailor-Made Protectivity™.



In-Depth Know-How – As a manufacturer of soldering and brazing consumables, we offer proven solutions based on 60 years of industrial experience, tested processes and methods, made in Germany. This in-depth know-how makes us the internationally preferred partner to solve your soldering and brazing challenge through innovative solutions. The result is what we promise: Innovation based on in-depth know-how.

The Management System of voestalpine Böhler Welding Group GmbH, Peter-Mueller-Strasse 14-14a, 40469 Duesseldorf, Germany has been approved by Lloyd's Register Quality Assurance to: ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007, applicable to: Development, Manufacturing and Supply of Welding and Brazing Consumables. More information: www.voestalpine.com/welding



