

ABIMIG® AT LW



Innhold:

- I. Mulighetene
- II. Produkt argumenter
- III. Sortimentet
- IV. Prospektet

ABIMIG® AT LW

I. MULIGHETENE

- I framtiden er **kundetilpassede løsninger** ikke bare for store brukere, men tilgjengelige for alle brukere med den nyutviklede **ABIMIG® AT LW**.
- **En enkel konfigurasjon** av pistolen ved bruk av maler muliggjør en rask og effektiv implementasjon av **hundrevis av varianter**.



ABIMIG® AT LW

I. MULIGHETENE

- **Lav vekt** og fortsatt **kraftfull** pistol med en robust og velkjent teknologi, som er kundetilpasset grunnet modul konseptet, ideel for alle sveiseoperasjoner.
- Disse pistoler – er sveiserens drøm – gjennom en betydelig vektreduksjon og en kundetilpasset adapter løsning – og som samtidig tilbyr store **økonomiske fordeler**.



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I. MULIGHETENE

Fokus er på utførelsen

- Fleksibilitet
- Vekt
- Økonomi



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II. PRODUKTENE

Lav – vekt filosofien

Lavvekt og kraftfull!

- Ultra **lettvekt** og robust BIKOX® LW (Lav vekt).
I tillegg til lav vekt på BIKOX® LW er fordelene
 - Høy fleksibilitet – også under frysepunktet.
 - Ekstrem **UV motstand**
 - Vesentlig høyere **temperatur stabilitet** og dråpe motstand

- Ved bruk av BIKOX® LW og **kontinuerlig optimalisering av vekten på hele slangepakken er totalvekten redusert** sammenlignet med kommersielt tilgjengelige pistoler



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II. PRODUKTENE

Tekniske data

!

Torch neck	Wire-Ø	60% / CO ₂	60% / Mix
ABIMIG® A T 155 LW	0.6 – 1.0 mm	190	180
ABIMIG® A T 255 LW	0.8 – 1.2 mm	240	220
ABIMIG® A T 305 LW	1.0 – 1.4 mm	290	260
ABIMIG® A T 355 LW	1.0 – 1.6 mm	340	320
NEW ABIMIG® A T 405 LW	1.2 – 2.4 mm	400	370

Ratings acc. to DIN EN 60974-7

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III. SORTIMENTET

BASIC – ett ID-Nr. for en komplett pistol

- lengde 3 m, 4 m og 5 m
- Komplet pistol med BINZEL tilkobling (KZ-2)
- ett ID-nummer for komplett pistol



Standard utrustning:

- Tråd diameter
- Kontaktør materiale
- Kontaktør for stål
- Gasshylse skrudd
- Gasshylse diameter
- 45° hals
- Lang bryter
- Kort kule feste

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III. SORTIMENTET

COMBI – kombinerte pistolløsninger tilpasset de forskjellige sveise jobber

Hals sett:

- Utstyrt med standard slidedeler
- Alternative tråd diametere (pr range)
- Standard hals liner (for alle tråd diamatere pr range)



Maskin koblinger for UNI-Plug:

- Lincoln
- Miller
- Tweco
- Panasonic

Standard utrustning:

- Kontaktør materiale
- Kontaktør for stål tråd
- Gasshylse diameter
- Lang bryter
- Kort kule feste

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IV. PROSPEKT



ABIMIG® AT LW

IV. PROSPEKT

Fleksibel, Lett, Kostnads effektiv

One welding torch – three advantages

- Flexible
- Light
- Cost-effective

Welding professionals do some of the most physically demanding jobs in the metalworking sector.

Welders have to constantly adjust their posture to enable effective access to the work at hand, whilst simultaneously keeping a concentrated eye on the welding arc, at all times.

This heavy physical strain can lead to knee and joint ailments and potentially chronic damage.

For this reason, every welder would like to work with a robust welding torch, yet one that is both light and powerful and where possible is equipped with a torchneck that has been optimized for the job.

Impossible? Not now!

The new air-cooled welding torch series ABIMIG® AT LW makes these wishes come true!

The 2+ interface system allows the use of torch-necks whose geometry and alignment are matched as close as possible to the actual welding job.

Arguments that speak for themselves

- Flexibility: Numerous torch-neck geometries – for optimum accessibility in all welding positions
- Light-weight: Up to 50% lighter than comparable standard torches and with a handle design which, when combined with the rotatable torch-neck, enables reduced welder fatigue
- Robustness, stability and cost-effectiveness that bear comparison with the best on offer from the competition
- Whether for industrial or workshop applications – the ABIMIG® AT LW always provides the ideal customised tool

Innhold i prospektet:


- Produkt fordeler
- Underlag for argumentene
- Bestillings informasjon ,Basic‘

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IV. PROSPEKTET

FLEKSIBELT

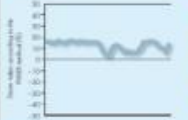

Flexibility that leaves nothing to be desired ...



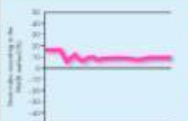

Significant strain relief!
Scientific studies taking measurements according to the PIMEX method¹⁾ document a significant reduction in musculoskeletal load, when the right torch neck was selected.

¹⁾ The PIMEX method (Picture Mixed Exposure) is the first method to describe the continuous recording and visual presentation of work load and ergonomic risk data in real time.

Measured results with standard torch neck: The worker is more often working in non-ergonomic positions.





Measured result with adapted torch neck: Thanks to the adapted torch neck, the worker works in a stronger posture.

¹⁾ Determined by IMPCO PIMEX in cooperation with a medical partner.

Adaptation makes welding easier



Control for comfortable reduced fatigue working on torch neck geometry and position.

The 3° change in positioning system allows the use of necks developed in terms of power, dimensions and alignment to the welding task to be performed.

The torch neck has been designed in such a way that the torch neck can be rotated within one minute and without tools on the job.

ABIMIG AT LW provides a clear and proven potential for improving welders' working conditions!

Avgjørende faktorer for et komfortabelt og stress fritt arbeide er geometri og possisjon på pistolhalsen. Med bytte og possisjons systemet kan den optimale sveisepistolen bli satt sammen for hver enkelt sveise jobb og den perfekte possisjon for sveiseren. **Den vitenskapelig testen PIMEX (Picture Mixed Exposure) viser synkroniseringen, visuell registrering av arbeidsbelastningen og medisinske data av arbeideren I arbeidssituasjon.**

Fordelene:

- Øke kvalitet og effektivitet av arbeidet ved bedre tilgjengelighet
- Redusere avbrudd ved uforutsette hendelser

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IV. PROSPEKTET

LAV VEKT

Lightweight and powerful ...

Scientific studies prove the benefits

The muscle groups exercised (EMG measurements made by the Sport Medicine Institute of JLU in Giessen)

Muscle strain in % when working overhead

Relief on the muscles when BIKOX® LW is used on the same job

Low-Weight

The most important factor for wide adoption is the handling weight of the torch, which has to be used throughout the working day. Thanks to specially selected cable components, which have been optimized in terms of conductivity and weight, BIKOX® LW cable assemblies are up to 50% lighter than standard cable assemblies.

The results are impressive:

The long-term studies in the sports science institute of the Justus-Liebig University in Giessen have shown that the degree of muscle load in welders working with the BIKOX® LW cable assemblies is perceptibly reduced both objectively and subjectively when compared with conventional cable assemblies. Shoulder and other muscles are used significantly less often.

The result: less fatigue, increased efficiency of work and in the long run: less sick leave due to work-related strain and illness.

Assembly Type	Weight (kg)
Standard Cable Assembly	2.15
BIKOX® LW Cable Assembly	1.5

En vitenskapelig studie utført av idretts departementet ved **Justus-Liebig University of Giessen** har vist at ved bruk av lettvekt BIKOX® LW kabel er muskel belastningen på sveiseren blitt betydelig redusert.

Fordelene:


- Økt nøyaktighet og effektivitet i arbeidet ved **bedre tilgjengelighet.**
- Økt lysbuetid ved færre stopp

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IV. PROSPEKTET

Kostnads effektiv

Convincing efficiency ...



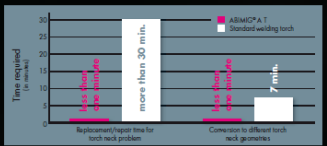
Example repair costs:

1. Downtime in the event of torch problem: 15 min.
2. Replacement of torch neck: 30 min.
3. Repairs/month: 5 pcs.

= Time required for repairs/year: 45 h

Saving potential: x €

Productivity
Downtime comparison in the event of problems with the torch neck and conversion to other torch neck geometries



Time is money! As competitive pressures increase, the demands for the optimum use of time and the reduction of downtime also increase.

The quick-change system ABIMIG® A T enables the torch neck to be replaced quickly thanks to a standard interface with a simple design – whether replacement is on account of repair or for adaptation to a different welding task.


Complicated, time-consuming wear part replacement on site becomes a thing of the past. Dead capital in the form of expensive special welding torches only occasionally used is minimized. A clever solution for all those who think economically.

Time for essentials

Never before has there been such a versatile welding torch

The frontend of the torch is subject to extreme mechanical and thermal load, as well as the adhesion of spatter. As a result, the torch neck is the part that fails the most.

The time required to replace a standard, fixed torch neck is somewhere between thirty minutes and one hour, which can easily result in significant repair costs every year, even in smaller companies.



The worn torch neck can be replaced within a very short time

Hurtigkoblings systemet ABIMIG® A T LW benytter et standard og avansert interface som tillater hurtig bytte av svane halsen.

Fordelene:

- Ingen unødig “død kapital” i form av sjelden benyttede spesial pistoler på lager
- Minimerer tiden for å bytte svane hals = mer tid til sveising



ABIMIG® AT LW

IV. PROSPEKTET



- Det er **mer enn 1000 mulige varianter** innenfor serien ABIMIG® A T LW.
- Alle variasjoner er en **kombinasjon** av standard komponenter.







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IV. PROSPEKTET

Standard-Oversikt

TECHNOLOGY FOR THE WELDER'S WORLD.

Standard welding torch, Technical data according to EN 60 974-7:

ABIMIG® A T 155 LW		ABIMIG® A T 255 LW	
	Rating: 190 A CO ₂ , 180 A Mixed Gases M 21 (DIN EN 439) Duty cycle: 60% Wire-Ø: 0.8-1.0 mm		Rating: 240 A CO ₂ , 220 A Mixed Gases M 21 (DIN EN 439) Duty cycle: 60% Wire-Ø: 0.8-1.2 mm
Part-No: 3 m: 006.D810.1 4 m: 006.D811.1 5 m: 006.D812.1	Part-No: 3 m: 004.D850.1 4 m: 004.D851.1 5 m: 004.D852.1		
ABIMIG® A T 305 LW		ABIMIG® A T 355 LW	
	Rating: 290 A CO ₂ , 260 A Mixed Gases M 21 (DIN EN 439) Duty cycle: 60% Wire-Ø: 0.8-1.2 mm		Rating: 340 A CO ₂ , 320 A Mixed Gases M 21 (DIN EN 439) Duty cycle: 60% Wire-Ø: 1.0-1.6 mm
Part-No: 3 m: 018.D960.1 4 m: 018.D961.1 5 m: 018.D962.1	Part-No: 3 m: 014.H390.1 4 m: 014.H391.1 5 m: 014.H392.1		
ABIMIG® A T 405 LW		 <p>Alexander Binzel Schweißtechnik GmbH & Co. KG P.O. Box 10 01 53 · D-35331 Gleßen Phone: +49 (0) 64 08 / 59 0 Fax: +49 (0) 64 08 / 59 191 Email: info@binzel-abicor.com www.binzel-abicor.com</p>	
	Rating: 400 A CO ₂ , 370 A Mixed Gases M 21 (DIN EN 439) Duty cycle: 60% Wire-Ø: 1.0-1.6 mm		

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