

**MIG/MAG
Torch System
ABIROB® A360 & A500
air-cooled**

AIRLINE ...

**ABIROB® –
The torch
technology for
outstanding
performance.**

Modular Design. Rugged & Flexible.

With dual rated torch necks – 360 A and 500 A –, the ABIROB® range covers the total requirements of air-cooled robot welding.

Through a compact design and a high rating, the torch range optimises both accessibility & welding performance.

The modular design has the ability to quickly change the swanneck and cable assembly components whilst maintaining TCP (Tool Center Point).

The rugged torch design optimizes TCP repeatability, resulting in a continuous precise welding process.

As an additional feature of ABIROB® the “ALU-PROTECTION-SYSTEM” provides maximum protection and TCP-repeatability.

**ABIROB®.
Even more stable, even more reliable!**

Welding & cutting brought to the point.



MIG/MAG-torch "ABIROB®" air cooled

Rating 360 A and 500 A

- High rating and compact design – outstanding accessibility with optimal rating
- The torch neck construction gives maximum mechanical strength and TCP repeatability as a result of the "ALU-PROTECTION-SYSTEM"
- Low maintenance – the modular design guarantees a trouble free and quick change of the swanneck and cable assembly components – while maintaining TCP with no reprogramming



ABIROB® A360

Technical Data (EN 60 974-7):

Rating: 360 A CO₂
 290 A Mixed gases
 M21(EN 439)

Duty cycle: 100 %
 Wire size: 0.8–1.6 mm

ABIROB® A500

Technical Data (EN 60 974-7):

Rating: 500 A CO₂
 400 A Mixed gases
 M2 (EN 439)

Duty cycle: 100 %
 Wire size: 0.8–1.6 mm

Swanneck Type	Order-No.			
	straight	22° bend	35° bend	45° bend
ABIROB® A360	980.1023	980.1024	980.1025	980.1026
ABIROB® A500	980.1012	980.1013	980.1014	980.1015

ABIROB® A360



ABIROB® A500

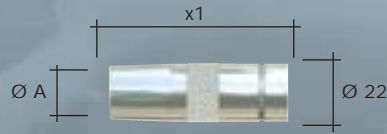


**Intermediate
 Modul ABIROB®**
 (980.1001)

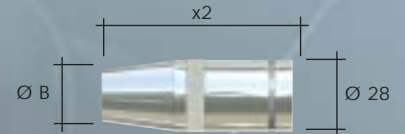
ABIROB® A360, ABIROB® A500

Wear parts

ABIROB® A360

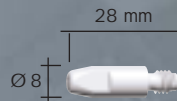


ABIROB® A500

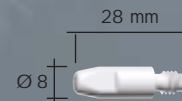


Gasdüse

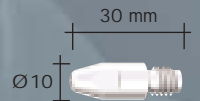
	Ø A	X1		Ø B	X2	
Conical „FLUSH“	Ø 13	68 mm	-	Ø 13	75 mm	145.0589
Conical „FLUSH“	Ø 14	68 mm	145.0595	Ø 14	75 mm	-
Conical „FLUSH“	Ø 16	68 mm	145.0592	Ø 16	75 mm	145.0580
Conical „RECESS“ (- 2 mm)	Ø 13	70 mm	-	Ø 13	77 mm	145.0590
Conical „RECESS“ (- 2 mm)	Ø 14	70 mm	145.0596	Ø 14	77 mm	-
Conical „RECESS“ (- 2 mm)	Ø 16	70 mm	145.0593	Ø 16	77 mm	145.0581
Conical „STICK OUT“ (+ 3 mm)	Ø 13	65 mm	-	Ø 13	72 mm	145.0591
Conical „STICK OUT“ (+ 3 mm)	Ø 14	65 mm	145.0597	Ø 14	72 mm	-
Conical „STICK OUT“ (+ 3 mm)	Ø 16	65 mm	145.0594	Ø 16	72 mm	145.0582
Bottle form „FLUSH“	Ø 12	68 mm	145.0599	Ø 12	75 mm	-
Bottle form „FLUSH“	Ø 14	68	-	Ø 14	75 mm	145.0586
Bottle form „FLUSH“	Ø 16	68	-	Ø 16	75 mm	145.0583
Bottle form „RECESS“ (- 2 mm)	Ø 12	70 mm	145.0600	Ø 12	77 mm	-
Bottle form „RECESS“ (- 2 mm)	Ø 14	70	-	Ø 14	77 mm	145.0587
Bottle form „RECESS“ (- 2 mm)	Ø 16	70	-	Ø 16	77 mm	145.0584
Bottle form „STICK OUT“ (+ 3 mm)	Ø 12	65 mm	145.0601	Ø 12	72 mm	-
Bottle form „STICK OUT“ (+ 3 mm)	Ø 14	65	-	Ø 14	72 mm	145.0588
Bottle form „STICK OUT“ (+ 3 mm)	Ø 16	65	-	Ø 16	72 mm	145.0585



M6



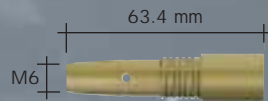
M6



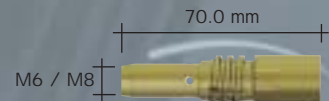
M8

Contact tip (10 pcs.)

		M6	M6	M8
CuCrZr	Ø 0.8	147.0054	147.0054	147.0117
silver plated	Ø 0.9	147.0172	147.0172	147.0217
	Ø 1.0	147.0245	147.0245	147.0316
	Ø 1.2	147.0382	147.0382	147.0445
	Ø 1.4	147.0519	147.0519	147.0536
	Ø 1.6	147.0518	147.0518	147.0590



M6



M6 / M8

Diffusers

	M6	M8
M6	142.0160	142.0159
M8	-	142.0158

Neckliner



Steel	Ø 0.8-1.2 (red)	149.0033	149.0033
	Ø 1.4-1.6 (white)	149.0034	149.0034
Carbon-Teflon	Ø 1.4-1.6 (brass)	149.0035	149.0035
	Ø 1.4-1.6 (brass)	149.0036	149.0036

Liner

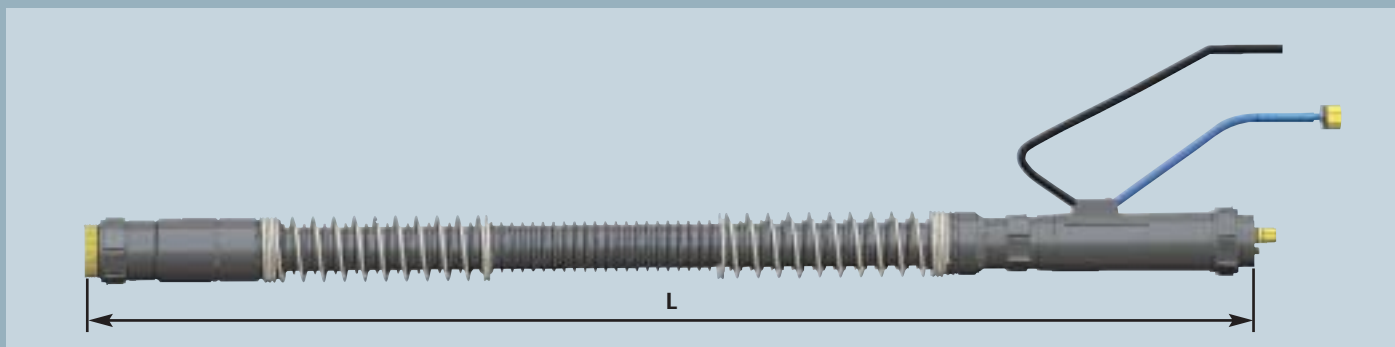
for 3 m

Steel	Ø 0.8-1.2 (pink)	124.0105
	Ø 1.4-1.6 (blue)	124.0108
Carbon-Teflon	Ø 0.8-1.2 (red)	126.0021
	Ø 1.4-1.6 (yellow)	126.0039



MIG/MAG Torch "ABIROB®" air-cooled

Cable assemblies



Cable assembly Type	Order-No.						
	L = 1.15 m	1.25 m	1.35 m	1.65 m	2.15 m	2.65 m	3.15 m
ABIROB® A360 / A500	785.6002	785.6007	785.6003	785.6004	785.6005	785.6006	785.6001



Welding & cutting brought to the point.



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