

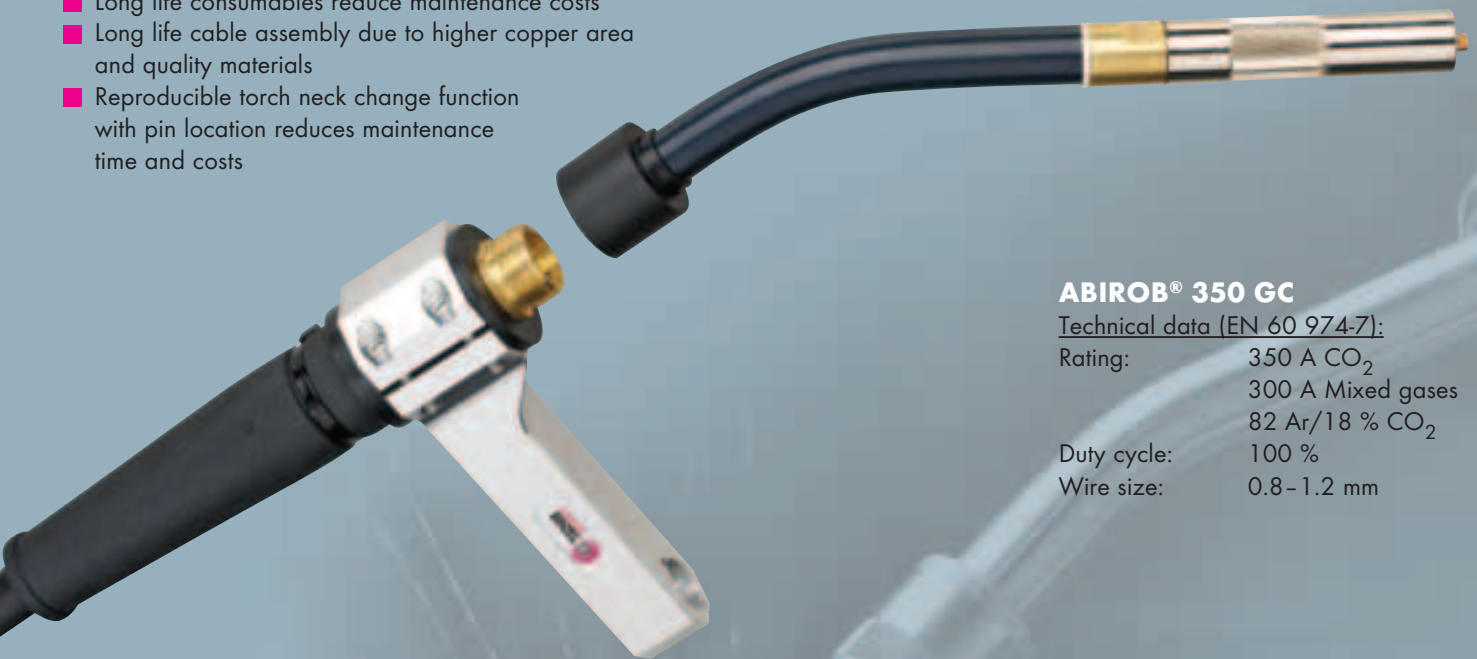
MIG/MAG Welding Torches "ABIROB® 350 GC" air-cooled

„Rugged, long lasting, cost saving ...“

The ABIROB® 350 GC torch is a typical CO₂ welding torch as mainly used in most Asian arc welding applications. The torch outperforms local torches by highest stability, higher rating and component life-time. One of the most important features is the reproducible neck-change function with pin positioning. All features and advantages stand for highest productivity and cost saving in many arc welding applications especially in the automotive Tier1 supplier industry.

Various modules, torch necks and brackets are available to replace local products. TCP-compatibility and lowest replacement cost makes it easy to improve production. Ask your BINZEL-Partner for support.

- Typical Asian CO₂ Design
- High strength material provides highest crash stability
- Long life consumables reduce maintenance costs
- Long life cable assembly due to higher copper area and quality materials
- Reproducible torch neck change function with pin location reduces maintenance time and costs



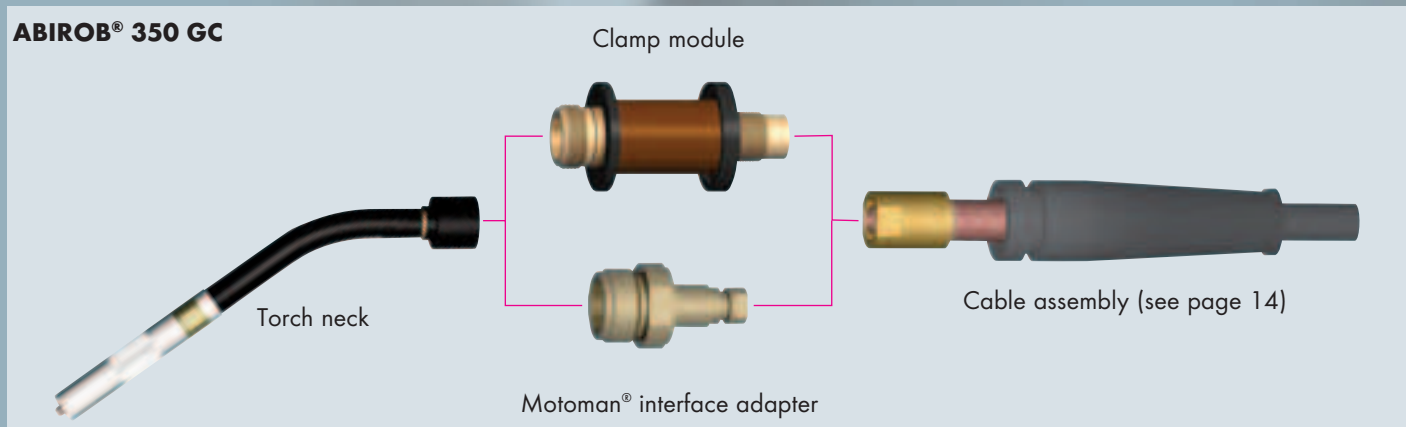
ABIROB® 350 GC

Technical data (EN 60 974-7):

Rating:	350 A CO ₂ 300 A Mixed gases 82 Ar/18 % CO ₂
Duty cycle:	100 %
Wire size:	0.8-1.2 mm

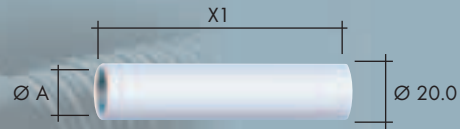
Torch neck and accessories Type	35° standard	30° short	30° long
ABIROB® 350 GC torch neck	980.0004	980.0027	980.0028
Clamp module, Ø 30,0 mm	980.0006	–	–
Motoman® interface adapter	–	980.0044	980.0044

Wear and spare parts are not included in the delivery! Please order separately and according to the application.



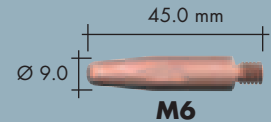
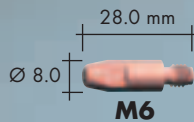
Wear parts

ABIROB® 350 GC

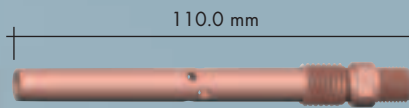


Gas nozzle (5 pcs.)	Ø A	X1	
Conical	Ø 12.0	89.5 mm	145.0558
Conical	Ø 13.0	89.5 mm	145.0573
Bottle form	Ø 14.0	89.5 mm	145.0559
Cylindrical	Ø 15.5	89.5 mm	145.0557
Cylindrical	Ø 19.0	89.5 mm	145.0579

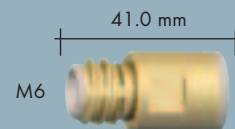
Tip stick-out always 5,5 mm with Tip holder 142.0152 and 5.0 mm with 142.0143



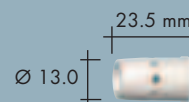
Contact tip (10 pcs.)		Ø 8.0	Ø 9.0
CuCrZr	Ø 0.8	140.0054	—
	Ø 0.9	—	140.1355
	Ø 1.0	140.0245	140.1356
	Ø 1.2	140.0382	140.1357



Contact tip holder (5 pcs.)		
M6	142.0152	142.0143



Nozzle sustainer	
Standard	980.0045



Gas diffuser	
Standard	980.0019



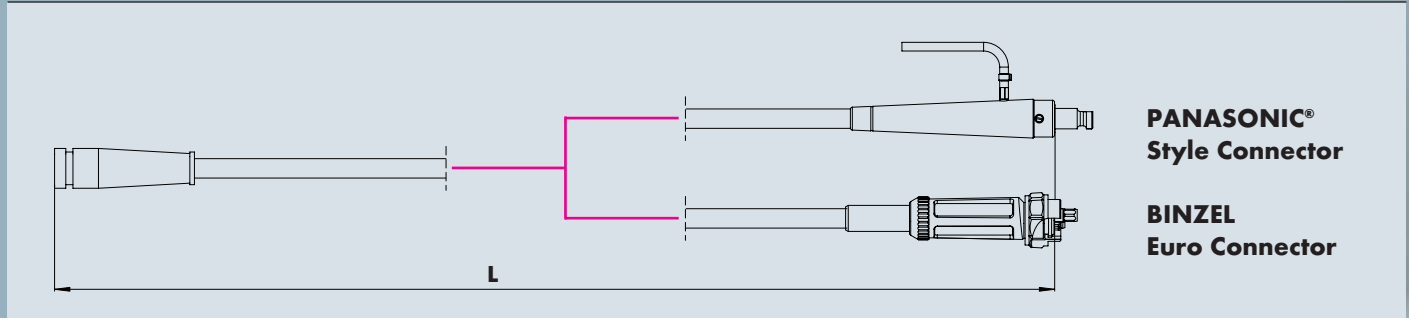
Neck liner	35° (standard)	30° (short)	30° (long)
for Steel Ø 0.8-1.2	980.0033 for 980.0004	980.0035 for 980.0027	980.0036 for 980.0028

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Cable assemblies and accessories

Cable assemblies cpl.	with PANASONIC® Style Connector		with Euro-Connector
Length "L"	L=1.10 m	L=1.25	L=1.10 m
Part-No.	980.0029	980.0089	980.0030

Dimension "L"



Liner / Spiral Liner

For Connector	For Material	Ø	up to L=1.30 m
BINZEL EURO Connector	Steel ¹⁾	0.8-1.2	124.D081
PANASONIC® Style Connector	Steel ¹⁾	0.8-1.2	124.D070

Note: Liner for aluminium welding on request.

¹⁾ **Steel liner** (insulated) for the use of non-alloyed and low-alloyed steels. The totally insulated wire feed prevents damage caused by "micro-arcing" on the wire. This allows optimal current transfer inside the contact tip improving the welding process. The insulated steel liner must be used for power sources with optional welding wire sensors.

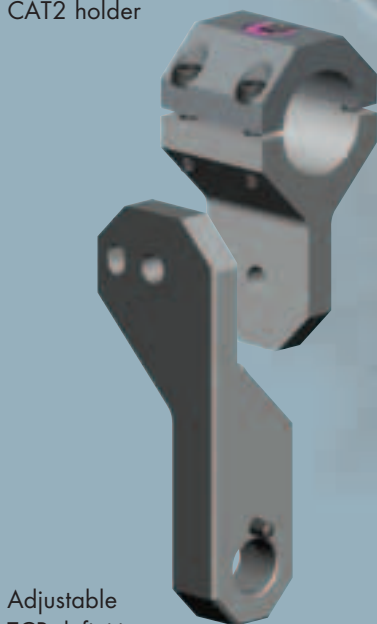
Mounting arm for connection: ■ to the Robot Mount CAT2

Clamp holder with
CAT2 holder

Clamp holder

■ directly to the robot

i Bracket Direct Mount



Adjustable
TCP definition

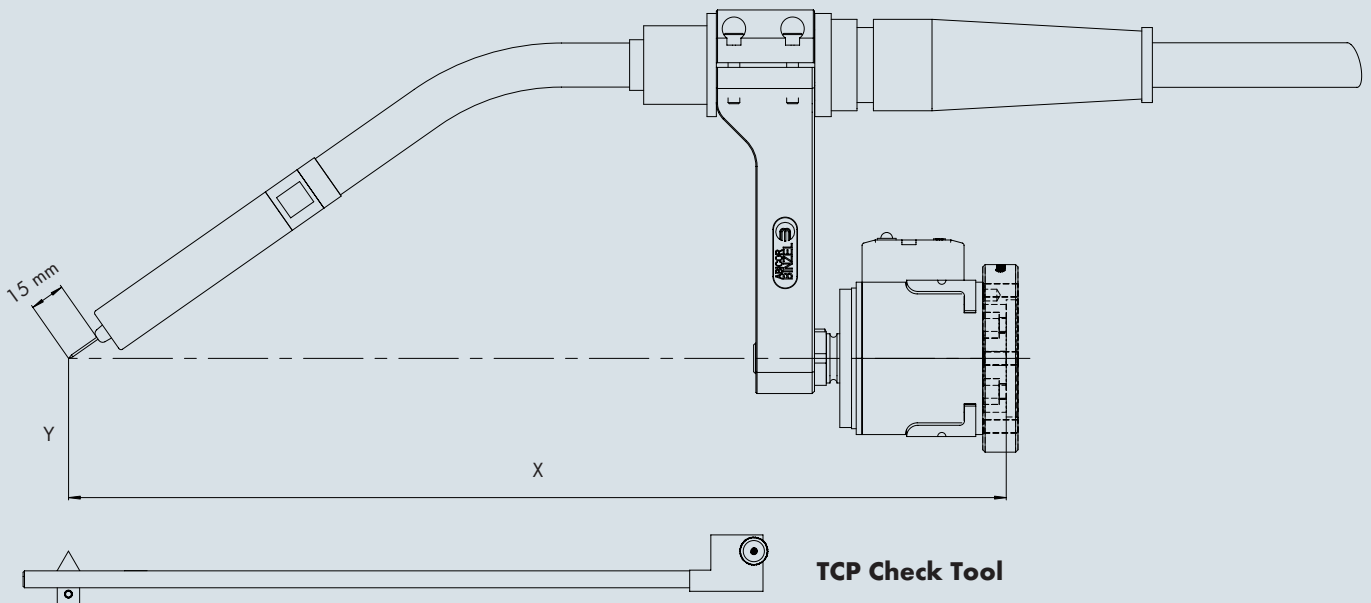
Fixed
defined TCP

Fixed
defines TCP

Dimension sketch and alignment jigs

ABIROB® 350 GC

Shown with clamp holder



Mounting type

Clamp holder, adjustable (CAT2 holder not included)

CAT2 holder (to be ordered separately)

Clamp holder, fixed

i Bracket

	X	Y	Part-No.
Clamp holder, adjustable (CAT2 holder not included)	400	0	780.0145
CAT2 holder (to be ordered separately)	–	–	780.0310
Clamp holder, fixed	400	0	780.0309
i Bracket	400	0	780.0183

TCP Check Tool

Part-No.

Clamp holder, adjustable

780.0204

Clamp holder, fixed

780.0204

iBracket

780.0295

Alignment jig

- Allows off-line preventative maintenance and neck adjustment.
- Improves robot up-time.

Alignment jig

torch neck

Part-No.

ABIROB® 350 GC standard

837.0551

