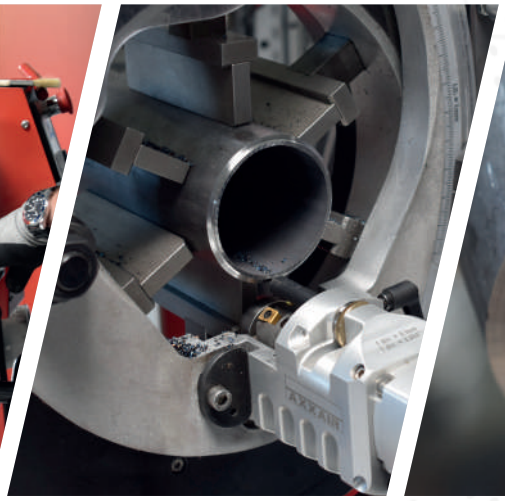
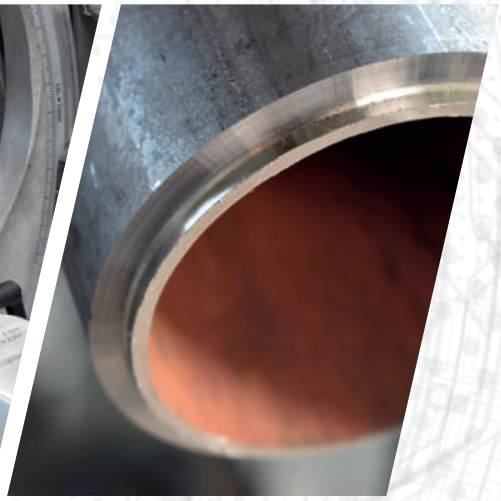
GA RANGE - GA122 / GA172 / GA222 / GA322 ORBITAL BEVELLING MACHINES

0.625 - 12.750" o/d / 15 - 328 mm o/d







SCAN QR CODE TO WATCH VIDEO

AXXAIR
AN SPX GROUP BRAND

Daonte
Tecnología Metalmecánica

www.AXXAIR.com

GA RANGE: GA122 / GA172 / GA222 / GA322

0.625 - 12.750" o/d / 15 - 328 mm o/d

- **Functions:** External pipe bevelling
- **Materials:** Any type of steel and exotic alloy
- **Power:** Electric (110V or 220V)

The weld preparation of the tube (process of bevelling), prior to the welding is of utmost importance. Its quality will be essential for a successful manual or orbital welding process.

The AXXAIR CC range's machines' bodies CC 122 / 172 / 222 / 322 offer a high level of modularity. By only setting two screws, conversion kits can be mounted onto the body, allowing the operator to use the CC range's machines for three applications: tube cutting, bevelling and welding.

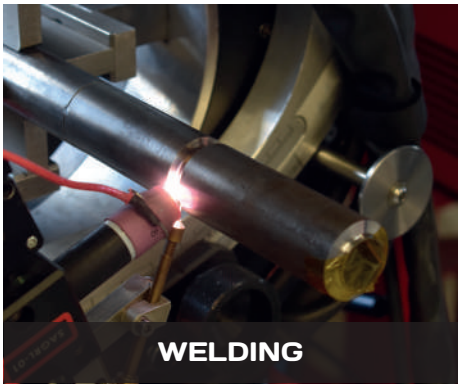
By adding the bevelling conversion kit, consisting of a 1700W electrical motor and the selected milling head fitted with carbide inserts, the bodies can be easily converted for bevelling applications, leading to the AXXAIR GA range.

On the AXXAIR GA range's machines milling heads are fitted with carbide inserts, which rotate at a high speed removing a large quantity of material in a single rotation around the tube. This carbide insert process is 10x faster than traditional beveling processes while being safer and more repeatable.

This patented process avoids the need for lubricants and require minimal cleaning of the tube before welding.


CUTTING


BEVELLING


WELDING

FEATURES AND ADVANTAGES

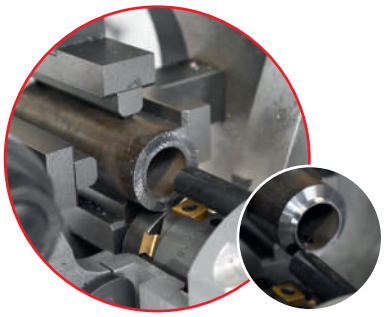
AXXAIR GA's range (powered by an electrical 110 or 220v motor) consists of a stainless-steel concentric clamping system with a large number of contact points, increasing the bevelling range and quality and avoiding tube distortion. The stainless steel jaws guarantee protection from contamination of the tube.

The distinctive rotation wheel offers a smooth rotation, increasing the life time of the carbide bevel inserts and the bevel quality. Optionally, an automatic rotation and clamping system can be fitted on the GA range, allowing for higher and faster repeatability and productivity. The carbide inserts provide a higher and faster performance than traditional HSS inserts and are available as standard in V-bevel type (30° / 37,5° / 45°) and J-bevel type (10°) *.

The spring loaded penetration lever and tracking system engage the saw blade for effortless and consistent bevelling of the tube, extending the inserts' life and improving safety and ease of operation.

The GA models can be fitted with support benches for longer tubes and conversion kits to allow for three different operations: cutting, bevelling and welding.









* REFER TO: ORBITAL CUTTING & BEVELLING MACHINES ACCESSORIES & CONSUMABLES

MODELS AND POWER OPTIONS

GA122



TUBE O/D RANGE:
0.625 - 4.5" / 15 - 119 mm

PART NO. GA122-M1 (110V)
PART NO. GA122-M2 (220V)

GA172



TUBE O/D RANGE:
1.3 - 6.625" / 33 - 173 mm

PART NO. GA172-M1 (110V)
PART NO. GA172-M2 (220V)

GA222



TUBE O/D RANGE:
2.35 - 8.625" / 55 - 228 mm

PART NO. GA222-M1 (110V)
PART NO. GA222-M2 (220V)

GA322



TUBE O/D RANGE:
5.5 - 12.750" / 141 - 328 mm

PART NO. GA322-M1 (110V)
PART NO. GA322-M2 (220V)

ACCESSORIES AND OPTIONS

MILLING HEAD 30° V BEVEL



supplied with 3 inserts

PART NO. GV-300

MILLING HEAD 37.5° V BEVEL



supplied with 3 inserts

PART NO. GV-375

MILLING HEAD 45° V BEVEL



supplied with 3 inserts

PART NO. GV-450

MILLING HEAD 10° J BEVEL



supplied with 6 inserts

PART NO. GJ-100

TRIPOD STAND



PART NO. CCPS21

SUPPORT BENCHES



PART NO. CCBSB-X1
PART NO. CCBSB-X2

SUPPORT BENCHES WITH END STOP SYSTEM



PART NO. CCBSB-XX-X-XX **

AUTOMATIC ROTATION



Measures and displays the cutting / bevelling motor's power consumption

PART NO. SAEX-00

AUTOMATIC ROTATION & CLAMPING SYSTEM



PART NO. XXX-AU *

CONVERSION KITS



CUTTING: PART NO. FS-XX or MOPD
WELDING: PART NO. SX-2KITX / SX-3KITX **

* XXX = MODEL NO. 122 / 172 / 222 / 322

** REFER TO: ORBITAL CUTTING & BEVELLING MACHINES ACCESSORIES & CONSUMABLES

CONSUMABLES

TITANIUM COATED CARBIDE INSERTS



PART NO. PC30-08-B02

MICROGRAIN CARBIDE INSERTS



PART NO. PC30-08-B03

INSERT LOCKING SCREW



PART NO. KS30

GA RANGE TECHNICAL FEATURES

DESCRIPTION	MEASUREMENT	GA122	GA172	GA222	GA322
Part No.	n/a	GA122-M1 / GA122-M2	GA172-M1 / GA172-M2	GA222-M1 / GA222-M2	GA322-M1 / GA322-M2
Diameter range	mm (o/d)	15 - 119	33 - 173	55 - 228	141 - 328
Diameter range	inch (o/d)	0.625 - 4.5	1.3 - 6.625	2.35 - 8.625	5.5 - 12.750
Bevelling wall thickness capacity *	mm / inch	upto 8 mm / 0.3	upto 8 mm / 0.3	upto 8 mm / 0.3	upto 8 mm / 0.3
Milling head rotational speed	rpm	2050 - 7300	2050 - 7300	2050 - 7300	2050 - 7300
Electric motor power	watt	1700	1700	1700	1700
Voltage	volt	110 or 220	110 or 220	110 or 220	110 or 220
Frequency	Hz	50 / 60	50 / 60	50 / 60	50 / 60
Air working pressure	psi / bar	n/a	n/a	n/a	n/a
Max acoustic radiation	dB	99	99	99	99
Vibration level	m/s^2	<2.5	<2.5	<2.5	<2.5
Unit weight	kg / lbs	42 / 93	49 / 108	57 / 126	71 / 157
Machine dimensions	mm	443 x 541 x 304	493 x 566 x 304	548 x 594 x 304	649 x 644 x 304
Machine dimensions	inch	17.44 x 21.29 x 11.96	19.40 x 22.28 x 11.96	21.57 x 23.38 x 11.96	25.55 x 25.35 x 11.96
Packing dimensions	mm	630 x 450 x 720	630 x 450 x 720	950 x 550 x 850	950 x 550 x 850
Packing dimensions	inch	24.80 x 17.72 x 28.35	24.80 x 17.72 x 28.35	37.40 x 21.65 x 33.46	37.40 x 21.65 x 33.46
Packing weight	kg / lbs	48 / 106	54 / 119	64 / 141	80 / 176
Our group policy is one of continuous improvement. Products and data tables are subject to change and may vary from those illustrated.					

*** depending on type of inserts used and tube material**



- Each machine is supplied in a protective custom built box
- Service tools, drawings, instruction manual and warranty certificate are supplied as standard

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