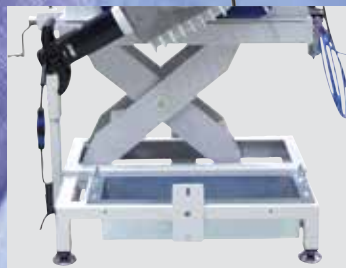




A strong machine for demanding applications!



Unique automatic process by the AVM feed module thus ensuring constant cutting



Including a height-adjustable and robust lifting bench with a container for swarf collection



An even higher operating life of the tools is guaranteed by the continual cooling system (available as special accessory)

Pipe Cutting and Beveling Machine GF 20 AVM

GF Pipe Cutting and Beveling Machine

- Square, burr-free and cold machining process
- Optimum preparation for the automated welding process
- Sturdy design with powerful drive
- Unique and automated orbital cutting process
- Height-adjustable lifting bench

GF 20 AVM

Pipe Cutting and Beveling Machine **with automatic feed module AVM***. This intelligent solution continuously controls the cutting speed depending on the torque and the parameter settings. The AVM improves the handling of the GF and RA machine and stops automatically after the cutting process. The restart inhibit does not allow an unintended start-up. Cutting and beveling high-alloy steel (stainless steel), low- and unalloyed steel, plastics, casting materials and non-ferrous metals in just seconds, using the "Planetary Cutting" method.

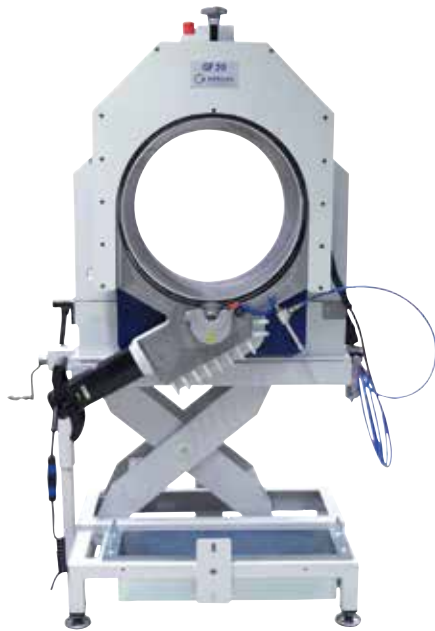
- Reduced operator impact by optional feed module AVM or MVM for an automated or manual cutting process
- A new ergonomically-designed motor handle for a safe and comfortable operating position, which also enables easy cutting of elbows
- 1 multifunctional tool for all adjustments on the machine
- High rotational moment for optimal cutting and beveling processes
- Optimal speed range of 30 - 163 rpm, ideal for cutting high-performance materials (Hastelloy®, P91, etc.)
- Plug connection with quick-action coupling: for easy and comfortable replacement of the power cable
- Optimized saw blade guard protects the user against flying chips

Machine comes with:

- 1 Pipe Cutting and Beveling Machine GF 20 AVM*
- 1 Transportation case
- 1 Lifting bench (Code 790 050 051)
- 1 Saw blade (Code 790 047 026)
- 1 Tool set
- 1 KSS-TOP lubricant spray pump (Code 790 060 226)
- 1 Tube of saw blade lubricant GF TOP (Code 790 060 228)
- 1 Bottle of special gear oil (Code 790 041 030)
- 1 Set of operating instructions and spare parts list

* The automatic feed module AVM is already fitted to the pipe cutter upon delivery.

The saw is fitted with the swivel cable with a quick-disconnect coupler.



GF 20 AVM with lifting bench

Application range	GF 20 AVM
Pipe OD	283 - 508 mm / 11.14 - 20 inch
Pipe ID min. (saw blade Ø 80 mm/3.150 inch)	295 mm / 11.6 inch
Pipe ID min. (saw blade Ø 100 mm/3.937 inch)	275 mm / 10.8 inch
Wall thickness max.	15 mm / 0.59 inch
Pipe materials	Steel, stainless steel, copper, cast, iron, aluminum, synthetic
Technical data	Drive with single-phase AC motor
Dimensions of GF 20 incl. lifting bench (hwxwd) approx.	145 - 171 x 94 x 63 cm / 57.1 - 67.3 x 37 x 24.8 inch
Dimensions of lifting bench (hwxwd) approx.	44.5 - 70.5 x 94 x 63 cm / 17.5 - 27.8 x 37 x 24.8 inch
Load capacity of lifting bench max.	1.200 kg / 2,645.5 lbs
Power	1.9 kW (AVM: 50 W)
Built-in electronic variable cutting speed with restart inhibitor	30 - 163 rpm
Protection class	Protection isolated class I, DIN VDE 0740

Application range	GF 20 AVM
Vibration level in accordance with 28662, part 1	2.5 m/s ²
Noise level at the workplace	approx. 79 dB (A)

Article	Version	Code	Weight of machine* kg	Dispatch weight kg
GF 20 AVM	230 V, 50/60 Hz EU	790 050 001	482.000	554.000
GF 20 AVM	120 V, 50/60 Hz EU/US	790 050 002	482.000	554.000

* Weight including lifting bench

Lifting bench

For GF 20 AVM (supplied as standard) and RA 12. Easy mounting of the saw directly on to the plate. On the RA 12, fastening with quick-mounting plate only. Mechanical height adjustment using a handwheel. Very sturdy and robust design with steel construction. Swarf collector included.

Technical data	Lifting bench for GF 20 AVM and RA 12
Dimensions of lifting bench (h x w x d) approx.	44.5 - 70.5 x 94 x 63 cm / 17.5 - 27.8 x 37 x 24.8 inch
Load max.	1,200 kg / 2,645.52 lbs

Article	Code	kg
Lifting bench for GF 20 AVM and RA 12	790 050 051	170.000



Lifting bench

Extension unit

For GF 20 AVM. Available as an accessory. The extension unit accurately feeds long and heavy pipes into the pipe cutter. Very robust and sturdy design with 2 V supports and stainless steel bearings. Modular construction. Application with 2 extension units is recommended.

Application range	Extension unit
Pipe OD max.	508 mm / 20 inch
Dimensions approx.	110 x 50 x 95 cm / approx. 43.3 x 19.7 x 37.4 inch
Load capacity max.	400 kg / 881.8 lbs

Article	Code	kg
Extension unit for GF 20 AVM	790 050 061	67.000

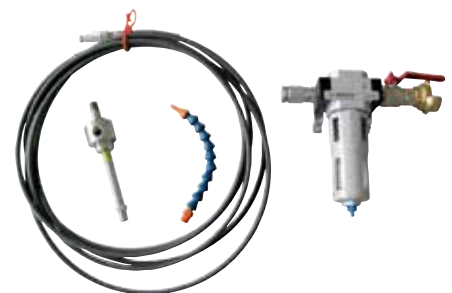


Extension unit

Continuous cooling system

For GF 20 AVM. For GF 4, GF 6, RA 8 and RA 12 on request. To increase the service life of the saw blade and for improved surface finish to the pipe. The system is cooled with compressed air fed through a vortex tube. The cooling air rate can be configured to the optimum level for your application. Also suitable for cutting plastic pipes. Cooling without coolants. The saw blade is constantly cooled during the cutting process with cold air (to -37 °C).

Article	Version	Code	kg
Continuous cooling system	Compressed air (5.5 - 8.0 bar required)	790 050 773	0.600



Continuous cooling system

Pipe Cutting and Beveling Technology

13



Aluminum clamping shells

Aluminum clamping shells

For GF 20 AVM. Ideal for clamping thin-walled pipes.

Further clamping shells for customized outer diameters are available on request. When ordering, please indicate the outside diameter of the tube to be worked on.

Comes with:

- 4 Clamping shells
- 8 Cylinder head screws
- 8 Cylinder head pins

Article	Tube OD [mm]	Tube OD [inch]	Code		kg
Aluminum clamping shells for GF 20 AVM	508.00	20.000	790 050 800		3.700
Aluminum clamping shells for GF 20 AVM	457.20	18.000	790 050 802		3.700
Aluminum clamping shells for GF 20 AVM	406.40	16.000	790 050 803		3.700
Aluminum clamping shells for GF 20 AVM	355.60	14.000	790 050 804		3.700