

**NEW**



- New motor with extended speed range

## RA 2, RA 8, RA 12 (AVM/MVM)

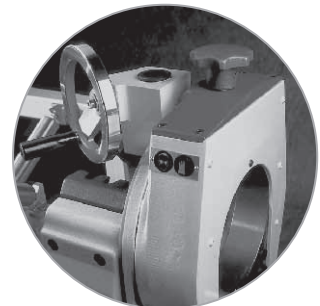
Pipe Cutting and Beveling Machines  
Perform economical cutting and beveling with  
technology made by Orbitalum Tools!

### Advantages:

- Multiple point clamping
- Fast adjustment of dimensions
- Regulated cutting speed
- Optimal tool contact
- Working direction from the inside towards the outside
- Fast tool replacement

### Your benefits:

- NEW: Extended speed range (65 - 215 rpm), ideal for the cutting of high-performance materials (Hastelloy, P91, etc.)
- NEW: A new ergonomically-designed motor handle for a safer and more comfortable operating position
- Square, burr-free and deformation-free pipe end
- Cold machining process
- Cutting in seconds
- Simultaneous or separate cutting and beveling
- Increased productivity
- Improved cutting quality
- Increased service life of tools



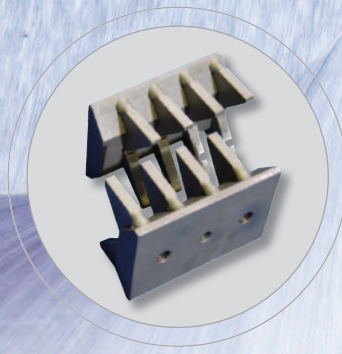
- also available with automatic or manual feed module  
AVM/MVM



A wide range of **saw blades and bevel cutter** are especially designed for our pipe cutters for highest requirements and longest service life.



**High-performance lubricants** for pipe cutting and beveling to increase the saw blade life-time. Synthetic saw blade lubricating compound **GF TOP**, Tube, 180 g: Code 790 060 228. Chlorine-free saw blade lubricating compound **GF LUB**, Tube, 160 ml: Code 790 041 016.



**Special stainless steel clamping jaws** for RA 2, RA 21 S: Code 790 041 323. For RA 4: Code 790 042 201. **Aluminum clamping jaws** for RA 4 and RA 41 Plus: Code 790 046 250. Customised **aluminum clamping shells** for RA 8, RA 12, GF 4, GF 6, GF 20, RA 41 Plus: for deformation-free clamping of thin-walled tubes.



**Very sturdy and stable pipe feeder:** feeds accurately long and heavy pipes into RA machines. Base unit: Code 790 068 051. Extension unit: Code 790 068 061

## Pipe Cutting and Beveling Machines

Technical data		RA 2	RA 8 (AVM/MVM)	RA 12 (AVM/MVM)
Dimensions (lxwxh) RA	[mm]	620 x 350 x 420	778 x 485 x 430	940 x 592 x 374
	[inch]	24.4 x 13.8 x 16.5	30.6 x 19.1 x 16.9	37.0 x 23.3 x 14.7
Dimensions (lxwxh) RA AVM	[mm]	–	918 x 485 x 430	1.070 x 592 x 374
	[inch]	–	36.1 x 19.1 x 16.9	42.1 x 23.3 x 14.7
Dimensions (lxwxh) RA MVM	[mm]	–	788 x 485 x 430	1.090 x 592 x 374
	[inch]	–	31.0 x 19.1 x 16.9	42.9 x 23.3 x 14.7
Machine weight RA / RA AVM / RA MVM	[kg]	45 / – / –	102.5 / 110.0 / 104.6	138.6 / 146.1 / 140.7
	[lbs]	99.2 / – / –	225.9 / 242.5 / 230.6	305.6 / 322.1 / 310.2
Power RA / RA AVM / RA MVM	[kW]	1.8 / – / –	1.8 / 1.9 / 1.8	1.8 / 1.9 / 1.8
	[HP]	2.41 / – / –	2.41 / 2.54 / 2.41	2.41 / 2.54 / 2.41
Power AVM	[kW/HP]	–	0.10 / 0.13	0.10 / 0.13
Protection class		Totally insulated in accordance with class (RA AVM: class I, EN 60204-1).		
Built-in electronic speed regulation with speed stabilisation	[rpm]	65 - 215	65 - 215	65 - 215
Versions, 1 phase AC		230 V, 50/60 Hz or 120 V, 50/60 Hz. Pneumatic drive only on request.		
Vibration level (DIN EN 28662, Part 1)	[m/s <sup>2</sup> ]	< 2.5	< 2.5	< 2.5
Sound pressure level at the workplace approx. [dB (A)]		79	79	79
<b>Working range</b>				
Pipe OD	[mm]	12 - 63	114 - 230	154 - 325
	[inch]	0.472 - 2.480	4.488 - 9.055	6.063 - 12.795
Wall thickness, depends on material*	[mm]	1.5 - 5.5	2 - 10	2 - 10
	[inch]	0.059 - 0.217	0.079 - 0.394	0.079 - 0.394
Pipe ID min. (saw blade-Ø 63 mm/2.480 inch)	[mm]	7	137	190
	[inch]	0.276	5.394	7.480
Pipe ID min. (saw blade-Ø 68 mm/2.677 inch)	[mm]	2	132	185
	[inch]	0.079	5.197	7.283
Pipe ID min. (saw blade-Ø 80 mm/3.150 inch)	[mm]	-	120	173
	[inch]	-	4.724	6.811
Pipe ID min. (saw blade-Ø 100 mm/3.937 inch)	[mm]	-	100	153
	[inch]	-	3.937	6.024

\* Increased wall thickness possible with manual feed or by adding an additional cut (depending on the saw blade diameter). Depending on the wall thickness special clamping shells for thin-walled tubes are required (accessory).

The technical data are not binding. They are not warranted characteristics and are subject to change. Please consult our general conditions of supply.

© Orbitalum Tools GmbH (12.2010)