

❖ Planetary Cutting Technology

RA and RA H

Pipe Cutting and Beveling Machines
RA 2, RA 4, RA 6, RA 8 and RA 12

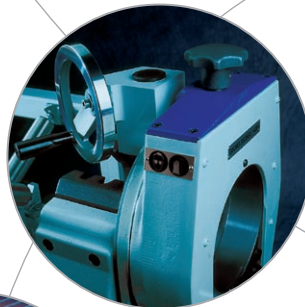
Perform economical cutting and beveling with technology made by Orbitalum Tools!

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:

- 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



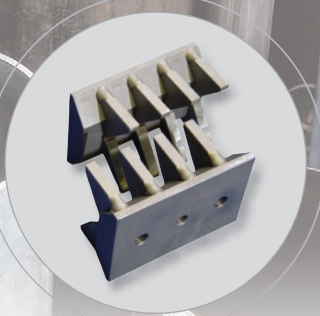
❖ also available with automatic or manual feed module
AVM/MVM



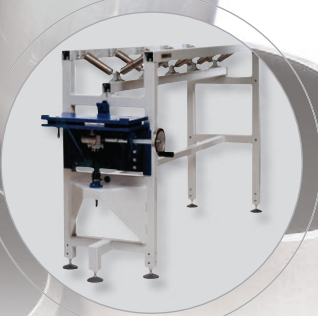
A wide range of **saw blades and bevel cutter** are especially designed for our pipe cutters for highest requirements and longest service life.



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. Saw blade lubricating compound **ROCOL**, Tube, 150 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 6, RA 8 and RA 12 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 (H) | RA 4 (H) | RA 6 (H) | RA 8 (H) | RA 12 (H) |
|--|--|------------------------|------------------------|------------------------|------------------------|
| Weight [kg]* | 45 (47) | 78 (80) | 95 (97) | 115 (117) | 135 (137) |
| Power [kW] | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| Protection class | Totally insulated in accordance with class II, DIN VDE 0740 | | | | |
| Built-in electronic speed regulation with speed stabilisation [rpm]* | 150 – 270 (40 – 70) | 150 – 270 (40 – 70) | 150 – 270 (40 – 70) | 150 – 270 (40 – 70) | 150 – 270 (40 – 70) |
| Versions | 200 – 240 V, 50/60 Hz or 100 – 120 V, 50/60 Hz. Pneumatic drive only on request. | | | | |
| Vibration level according to EN 28662, part 1 [m/s ²] | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| Noise level in the workplace approx. [dB (A)] | 75 | 75 | 75 | 75 | 75 |
| Working range | RA 2 (H) | RA 4 (H) | RA 6 (H) | RA 8 (H) | RA 12 (H) |
| Pipe OD [mm] | 12 – 63 | 13 – 120 | 44 – 182 | 124 – 230 | 180 – 325 |
| Pipe OD [inch] | 0.472 – 2.480 | 0.518 – 4.724 | 1.732 – 7.165 | 4.882 – 9.055 | 7.087 – 12.795 |
| Wall thickness, depends on material [mm]** | 2 – 5.5 | 2 – 7 | 2 – 10 | 2 – 10 | 2 – 10 |
| Wall thickness, depends on material [inch]** | 0.079 – 0.217 | 0.079 – 0.276 | 0.079 – 0.394 | 0.079 – 0.394 | 0.079 – 0.394 |
| Pipe ID min. (saw blade-Ø 63 mm) [mm] | 7 | 21 | 76 | 137 | 190 |
| Pipe ID min. (saw blade-Ø 2.480 inch) [inch] | 0.276 | 0.827 | 2.992 | 5.394 | 7.480 |
| Pipe ID min. (saw blade-Ø 68 mm) [mm] | 2 | 16 | 71 | 132 | 185 |
| Pipe ID min. (saw blade-Ø 2.677 inch) [inch] | 0.079 | 0.630 | 2.795 | 5.197 | 7.283 |
| Pipe ID min. (saw blade-Ø 80 mm) [mm] | – | 4 | 59 | 120 | 173 |
| Pipe ID min. (saw blade-Ø 3.150 inch) [inch] | – | 0.157 | 2.329 | 4.724 | 6.811 |
| Pipe ID min. (saw blade-Ø 100 mm) [mm] | – | – | 39 | – | – |
| Pipe ID min. (saw blade-Ø 3.937 inch) [inch] | – | – | 1.535 | – | – |

* Values in brackets for RA H (= with intermediate gear)

** 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.

Info-Hotline: +49 (0) 77 31 792-787 up to 789



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Freibühlstraße 19, 78224 Singen, Deutschland
Tel. +49 (0) 77 31 792-0, Fax +49 (0) 77 31 792-524
www.orbitalum.com, tools@orbitalum.com
An ITW Company

Code 790 700 202_01