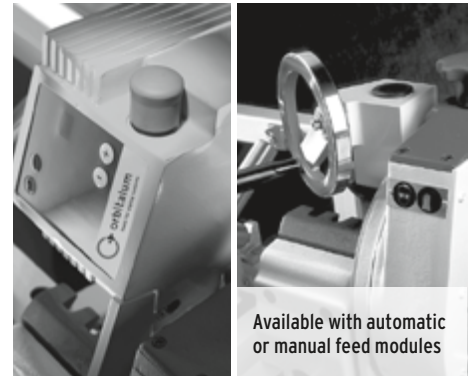


# RA 8, RA 12 (AVM/MVM)



## LARGE DIAMETER ORBITAL CUTTING MACHINES

THE RA SERIES ORBITAL CUTTING MACHINES HAVE BEEN THE INDUSTRY STANDARD SINCE 1960, WITH A PROVEN HISTORY OF BEING THE MOST RELIABLE, HIGHEST PRECISION ORBITAL CUTTING SAW EVER PRODUCED.

- Safely cut stainless steel tube and pipe
- Square, burr-free cutting
- Deformation free clamping system
- Orbital cutting process minimizes "cost per cut" with low cost consumable saw blades
- Non-twisting swivel cord with quick disconnect for safety, security and simple replacement
- Integrated line laser pointer to give operator exacting cut off location
- Three orbital drive systems, manual, MVM or AVM
- Locking mechanism prevents unauthorized usage or theft
- Single "Multifunction" tool for machine operation included
- Powerful motor with optimal speed range (40 - 215 rpm) for all materials
- Ergonomic twin motor handle for safe and comfortable operation
- Optimized blade guard protects operator while allowing cutting of short tangent fittings

# RA 8, RA 12 (AVM/MVM) Tube & Pipe Saws

APPLICATION RANGE	RA 8	RA 8 AVM*	RA 8 MVM*	RA 12	RA 12 AVM*	RA 12 MVM*	
Tube OD	4.488 - 9.055in (114 - 230mm)	4.488 - 9.055in (114 - 230mm)	4.488 - 9.055in (114 - 230mm)	6.063 - 12.795in (154 - 325mm)	6.063 - 12.795in (154 - 325mm)	6.063 - 12.795in (154 - 325mm)	
Wall thickness (depends on material)**	0.079 - 0.394in (2 - 10mm)	0.079 - 0.394in (2 - 10mm)	0.079 - 0.394in (2 - 10mm)	0.079 - 0.394in (2 - 10mm)	0.079 - 0.394in (2 - 10mm)	0.079 - 0.394in (2 - 10mm)	
Tube ID min. blade Ø 2.480 in (63 mm)	5.394in (137mm)	5.394in (137mm)	5.394in (137mm)	7.480in (190mm)	7.480in (190mm)	7.480in (190mm)	
Tube ID min. blade Ø 2.677 in (68 mm)	5.197in (132mm)	5.197in (132mm)	5.197in (132mm)	7.283in (185mm)	7.283in (185mm)	7.283in (185mm)	
Tube ID min. blade Ø 3.150 in (80 mm)	4.724in (120mm)	4.724in (120mm)	4.724in (120mm)	6.811in (173mm)	6.811in (173mm)	6.811in (173mm)	
Tube ID min. blade Ø 3.937 in (100 mm)	3.937in (100mm)	3.937in (100mm)	3.937in (100mm)	6.024in (153mm)	6.024in (153mm)	6.024in (153mm)	
Tube materials	High-quality steel (any Cr and Mo content); high-quality stainless steel (any Cr and Mo content); high-quality steel (Cr < 12% and Mo < 2.5%; Cr < 20% and Mo = 0%); case hardened steels, high-speed steels, tempering steels, bearing steels, tool steels; black and galvanized steel pipe; general structural steel; annealed cast iron pipe (GGG); aluminum; brass; copper; plastics (PE, PP, PVDE, PVC)						
TECHNICAL DATA	RA 8	RA 8 AVM*	RA 8 MVM*	RA 12	RA 12 AVM*	RA 12 MVM*	
Power	2.41hp (1.8kW)	2.54hp (1.9kW)	2.41hp (1.8kW)	2.41hp (1.8kW)	2.54hp (1.9kW)	2.41hp (1.8kW)	
Cutting speed	40 - 215rpm						
Power AVM		0.07hp (0.05kW)			0.07hp (0.05kW)		
Slide housing speed with AVM		0.1 - 2.3rpm			0.1 - 1.8rpm		
Slide housing torque max. with AVM		165Nm			210Nm		
Protection class	II (DIN EN 60745-1)	I (DIN EN 60204-1)	II (DIN EN 60745-1)	II (DIN EN 60745-1)	I (DIN EN 60204-1)	II (DIN EN 60745-1)	
Noise level	79 dB (A) at the workplace approx.						
Vibration level	< 2.5 m/s <sup>2</sup>						
Mains fuse by customer	16A (DIN EN 28662, part 1)						
Dimensions (L x W x H)	30.6 x 16.9 x 19.1in (778 x 430 x 485mm)	36.1 x 16.9 x 19.1in (918 x 430 x 485mm)	31.0 x 16.1 x 19.1in (788 x 430 x 485mm)	37.0 x 14.7 x 23.3in (940 x 374 x 592mm)	42.1 x 14.7 x 23.3in (1.070 x 374 x 592mm)	42.9 x 14.7 x 23.3in (1.090 x 374 x 592mm)	
Machine Weight approx.***	225.9lb (102.5kg)	242.5lb (110.0kg)	230.6lb (104.6kg)	305.6lb (138.6kg)	322.1lb (146.1kg)	310.2lb (140.7kg)	
Shipping Weight	328.5 lb (149 kg)	363.8 lb (165 kg)	337.3 lb (153 kg)	390.2 lb (177 kg)	451.9 lb (205 kg)	440.9 lb (200 kg)	
CODE	(1-phase AC) 230 V, 50/60 Hz	0T790.045.095	0T790.045.001	0T790.045.069	0T790.047.095	0T790.047.001	0T790.047.069
	(1-phase AC) 120 V, 50/60 Hz	0T790.045.096	0T790.045.007	0T790.045.082	0T790.047.096	0T790.047.007	0T790.047.082
<b>SCOPE OF DELIVERY</b>							
<ul style="list-style-type: none"> <li>• Pipe cutting and beveling machine</li> <li>• Transportation case</li> <li>• (1) Saw blade (Code 0T790.043.018)</li> <li>• Mounting plate</li> <li>• Tool set</li> <li>• (1) Tube of GF TOP Saw blade lubricant (Code 0T790.060.228)</li> <li>• (1) Bottle Special gear oil (Code 0T790.041.030)</li> <li>• Operating instructions and spare parts list</li> </ul>							

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

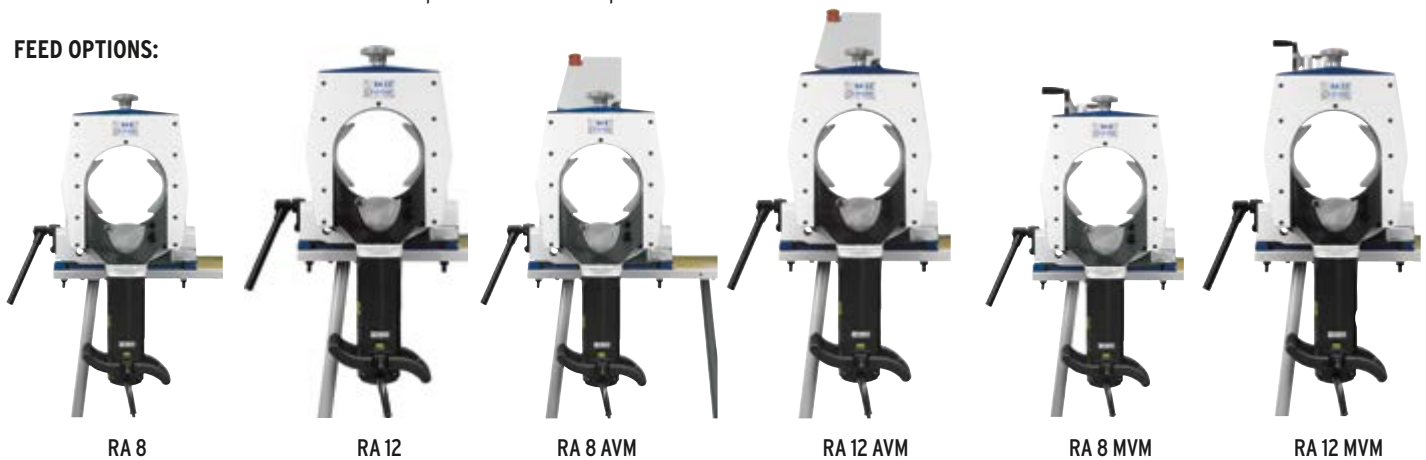
\* The automatic/manual feed module AVM/MVM is already fitted to the pipe cutter upon delivery.

\*\* With automatic cutting process. Increased wall thickness possible with manual feed or by adding an additional cut (depending on the saw blade diameter).

\*\*\* Weight without packaging and accessories.

All RA's are fitted with the swivel cable with a quick-disconnect coupler.

## FEED OPTIONS:



### Standard Feed:

User manual controlled, default configuration option.

### Automatic Feed Module AVM\*:

Continuously controls cutting speed using torque and parameter settings, improving handling of GF and RA machines. Stops automatically after the cutting process.

### Manual Feed Module MVM\*:

Manual option, includes a hand wheel, enabling the machine head to rotate easily and with little effort around the pipe with a constant speed.