

PS 4.5 Plus

Portable tube saws

A mobile, powerful and flexible tube cutting machine for use on construction sites, that's what the PS saw stands for. This tube saw convinces not only with its burr-free, right-angled and deformation-free cutting results, but also with its low weight.

At the same time its problem-free and simple usage as well as its unbeatable price are the prime factors among its users.

Simple and convenient to use:
The PS saw can be mounted quickly with minimum space requirements and transported and operated by a single person



The new PS 4.5 Plus with many advantages:

- ✓ Refined technology with the new design
- ✓ The lightest machine in this field of application on the market
- ✓ Reduced price - despite additional advantages
- ✓ Integrated line laser to determine the cut off point
- ✓ Feeding and sawing in a single pass
- ✓ Improved quality and increased service life through even more rugged sliding elements
- ✓ Tripod (optional) made of aluminum - now space-saving storage in the PS transport case possible

No rework necessary because of a burr-free and square cut



Currently one of the lightest machines available on the market



Deformation-free clamping of thin-walled tubes



Integrated line laser to determine the cut off point



Tube cutting made easy! Cutting thin-walled stainless-steel tubes and elbows using the superior "Planetary cutting technology".

For its field of applications, the PS 4.5 Plus (23 kg) is amongst the lightest in their class available machines on the market today.

"Enhanced safety due to stationary tube - rotating tool." The tested process of planetary cutting is another important feature, which characterizes all ORBITALUM pipe cutting machines. The saw blade rises into the cutting area and is driven orbitally around the pipe. The advantage is that a small saw blade can cut a large tube diameter, without heating the tube.

As is characteristic for the ORBITALUM pipe saws, the saw allows convenient marking of the cut-off point on the tube with the help of a line laser. A second saw blade clamping point enables tube elbows to be cut off.

The powerful motor is equipped with over-load protection and ergonomic handles and is available for the voltages 230 V, 110 V or 120 V, 50/60 Hz.

The slide housing as well as the self-centering clamping jaws were produced from high-quality aluminum alloys, which measure up to the highest requirements for construction sites.

- Lightweight and easily transportable machine to provide flexibility for on-site applications
- Deformation-free clamping of thin-walled tubes
- For cutting of thin-walled tubes and elbows
- No rework necessary because of a burr-free and square cut
- Cold cutting process prevents corrosion
- Integrated line laser to determine the cut off point
- Orbital cutting process saves time
- Multiple point clamping
- Fast adjustment of the pipe dimension
- Long saw blade service life
- Press fitting saw blade combinations can be used*
- Speed controlled single-phase AC motor with restart inhibitor

* Only with saw blade/bevel cutter combinations of Orbitalum Tools: Code 790 044 046 or 790 044 047. Especially for stainless steel press fitting systems. Consisting of one saw blade and one bevel cutter. It is possible to order the individual parts separately. Workable wall thickness: 1 - 2 mm (0.039" - 0.079"), beveling angle: 45°/70°, height of bevel: max. 0.4/1 mm (0.016"/0.039").



Supplied in a durable storage and shipping case with compartments for accessories, for example the mounting plate, tools and now also for the tripod (optionally available)



Self-centering vice made of high-quality aluminum alloy



Tried-and-tested planetary cutting technology: The saw blade immerses into the cut and is guided orbitally around the tube



Included: "Performance" saw blade (790 048 072) and saw blade lubricant GF TOP



Second saw blade position to cut off elbows



Tripod made of aluminum optional available. Can be dismantled in a few steps - for space-saving storage, for example in the PS transport case

APPLICATION RANGE		PS 4.5 Plus
Code	[230 V]	790 048 001
	[110 V]	790 048 002
	[120 V]	790 048 003
Tube OD	[mm]	6 - 120
	[inch]	0.236 - 4.724
Elbow OD	[mm]	30 - 120
	[inch]	1.181 - 4.724
Wall thickness min. - max.	[mm]	0.6 - 3.0
	[inch]	0.024 - 0.118
TECHNICAL DATA		
Dimensions	[mm]	480 x 230 x 600
	[inch]	20.9 x 9.1 x 23.6
Power	[W]	1010
	[hp]	1.5
Protection class (DIN VDE 0740, isolated)	[class]	II
Speed	[rpm]	30 - 165
Vibration level (DIN EN 28662, part 1)	[m/s ²]	< 2.5
Noise level at the workplace approx.	[dB (A)]	78
SCOPE OF DELIVERY		
Portable tube saw	Pc.	1
Cast aluminum clamping jaws	Set	1
Durable storage and shipping case	Pc.	1
Saw blade (Code 790 048 072)	Pc.	1
Tool bag equipped with tools	Pc.	1
Saw blade lubricant GF TOP (Code 790 060 228)	Tube	1
Operating instructions and spare parts list	Set	1

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



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Features, application range, technical data and scope of delivery, see page 31.

ARTICLE	VERSION	CODE	WEIGHT OF MACHINE KG	DISPATCH WEIGHT KG
PS 4.5 Plus	230 V, 50/60 Hz EU	790 048 001	23.600	37.000
PS 4.5 Plus	110 V, 50/60 Hz EU	790 048 002	23.600	37.000
PS 4.5 Plus	120 V, 50/60 Hz US	790 048 003	23.600	37.000



PS 4.5 Plus

Quick-mounting base plates with integrated screw clamps

Quick and easy mounting of the machine to the bench with no drilling.
Including 4 socket head screws to fix the PS to the quick-mounting base plate.

ARTICLE	CODE	KG
Quick-mounting base plates with integrated screw clamps	790 048 334	2.600



Quick-mounting base plates with integrated screw clamps

Saw blades

Performance range for high-alloy steels (stainless steel).
Recommended saw blades (only Ø 63 mm/2.480") for PS 4.5 Plus and PS 6.6.

ARTICLE	VERSION	WALL THICKNESS		SAW BLADE Ø		CODE	KG
		[MM]	[INCH]	[MM]	[INCH]		
Saw blade	Performance	1.0 - 3.0	0.039 - 0.118	63	2.480	790 048 072	0.035
Saw blade	Performance	0.6 - 1.2	0.024 - 0.047	63	2.480	790 041 036	0.027



Saw blade Performance

Tripod

Made of aluminum. Suitable for PS 4.5, PS 4.5 Plus, PS 6.6 and GFX 3.0.
For easy mounting of machines directly on the tripod with no base plate.
Can be dismantled in a few steps. NEW: Storage in the PS transport case possible.
Space saving = fast application = easy handling.

ARTICLE	CODE	KG
Tripod for PS 4.5, PS 4.5 Plus, PS 6.6, GFX 3.0	790 048 390	7.400



Tripod

Laser retrofitting kit

Line laser to identify the cutting point on the tube.
Easy mounting on the swivel on the PS machines.
Kit contains 1 line laser, 1 laser holder with 2 fixing screws, replacement batteries,
1 set of assembly instructions.

ARTICLE	CODE	KG
Laser retrofitting kit for PS 4.5, PS 4.5 Plus and PS 6.6	790 048 060	0.110



Laser retrofitting kit

Other accessories

- High-performance lubricants for cutting and beveling, see page 22
- Swivel cable, see page 23
- Quick-mounting base plates with integrated screw clamps, see page 23
- Mobile workstation, see page 23
- Pipe feeder base unit and extension unit, see from page 24
- Collapsible work bench, see page 82