



Pipe Beveling Machine

The LEFON ET/EV Beveling Machine is a portable beveling machine for quick and accurate weld preparation on pipe and tube. A variety of models can meet the requirement to bevel from $\frac{3}{4}$ " ID to 23 $\frac{3}{4}$ " ID pipe. Please check the specifications section for model selection. Depending on the model, the beveling machine can bevel pipe or tube with wall thicknesses from 15mm (9/16") to 70mm (2 $\frac{3}{4}$ ").

The machines are all ID mounted by a three Clamp Extension Leg mandrel design for square, rigid installation. Different sized clamp legs are used to cover the machine's entire range of pipe diameters. The ET/EV series are driven by a reliable and powerful electric motor, such as the world renowned motor supplier, METABO.

KEY FEATURES:

1. Quick Setup
 - Takes less than 5 minutes to setup
 - Adjust the Feed Handle to quickly clamp the beveler inside pipe/tube
 - Accurately centered inside pipe
 - Takes seconds to install and adjust bevel Bit
2. Easy to use
 - Switch on and off by motor switch
 - Fine tune using the Scale Wheel to micro feed the bevel
 - Compact design allows it to work in small spaces
3. Unique Design
 - Ball Bearing and self lubrication design to dramatically extend beveler life
 - High strength shaft, and large Clamp Extension Leg contact area to maximize rigidity of the machine
 - Special surface treatment to resist wear and erosion
 - Exceptional heat treatment for disk and gear allow it to work on any material

Figure 1-1 and Figure 1-2 illustrate the main components of the ET, which can **bevel up to 20mm wall thickness pipe.**



Figure 1-1



Figure 1-2

Figure 2-1 and Figure 2-2 illustrate the main components of the EV, which can bevel up to 70mm wall thickness pipe



Figure 2-1



Figure 2-2

SPECIFICATIONS

Model	Pipe ID	Pipe ID	Pipe OD	Pipe OD	Max Wall Thickness(mm)	RPM	Drive Motor	Input Power	Weight (kg)
	(inch)	(mm)	(inch)	(mm)					
ET1	¾"-1"	18-25	¾"-1 ½"	21-28	15	58	Metabo,110/220v	1020w	9
ET3	1 ⅛"-3"	28-76	1 ¼"-3 ⅝"	32-80	15	55	Metabo,110/220v	1020w	10
ET6	2 ½"-6 1/4"	65-159	2 ⅞"-7 ⅞"	72-182	20	35	Metabo,110/220v	1020w	22
ET10	3 ⅞"-9 ½"	80-240	3 ½"-10 ¾"	90-272	20	16	Metabo,110/220v	2300w	35
EV10	3 ⅞"-9 ½"	80-240	3 ½"-10 ¾"	90-272	70	16	Metabo,110/220v	2300w	44
ET14	5 ⅞"-13"	150-330	6 ⅞"-13 ⅝"	162-352	20	14	Metabo,110/220v	2300w	56
EV14	5 ⅞"-13"	150-330	6 ⅞"-13 ⅝"	162-352	70	14	Metabo,110/220v	2300w	65
ET24	11 ¾"-23 ⅝"	300-600	12 ⅝"-24 ¾"	320-630	20	10	Metabo,110/220v	2300w	107
EV24	11 ¾"-23 ⅝"	300-600	12 ⅝"-24 ¾"	320-630	70	10	Metabo,110/220v	2300w	117

CLAMP EXTENSION LEG CHART

Extension Leg	ET1	ET3	ET6	ET10	ET14	ET24
No extension leg		28-36mm ID	65-87mm ID	80-100mm ID	150-180mm ID	300-330mm ID
Ext1	18mm ID	36-44mm ID	87-105mm ID	100-120mm ID	180-210mm ID	330-360mm ID
Ext2	19mm ID	44-52mm ID	105-123mm ID	120-140mm ID	210-240mm ID	360-390mm ID
Ext3	20mm ID	52-60mm ID	123-141mm ID	140-160mm ID	240-270mm ID	390-420mm ID
Ext4	21.5mm ID	60-68mm ID	141-159mm ID	160-180mm ID	270-300mm ID	420-450mm ID
Ext5	23mm ID	68-76mm ID		180-200mm ID	300-330mm ID	450-480mm ID
Ext6	24.5mm ID			200-220mm ID		480-510mm ID
Ext7	26mm ID			220-240mm ID		510-540mm ID
Ext8	27mm ID					540-570mm ID
Ext9						570-600mm ID