

A black and white photograph of a worker in a dark jacket operating a hydraulic pipe beveling machine. The machine is mounted on a pipe and has several adjustment levers with black handles. The worker is holding one of the handles. The background shows industrial equipment and pipes.

PIPE BEVELING MACHINES ID MOUNT

Portable solutions for
perfectly beveled pipes



PIPE BEVELING MACHINES ID MOUNT

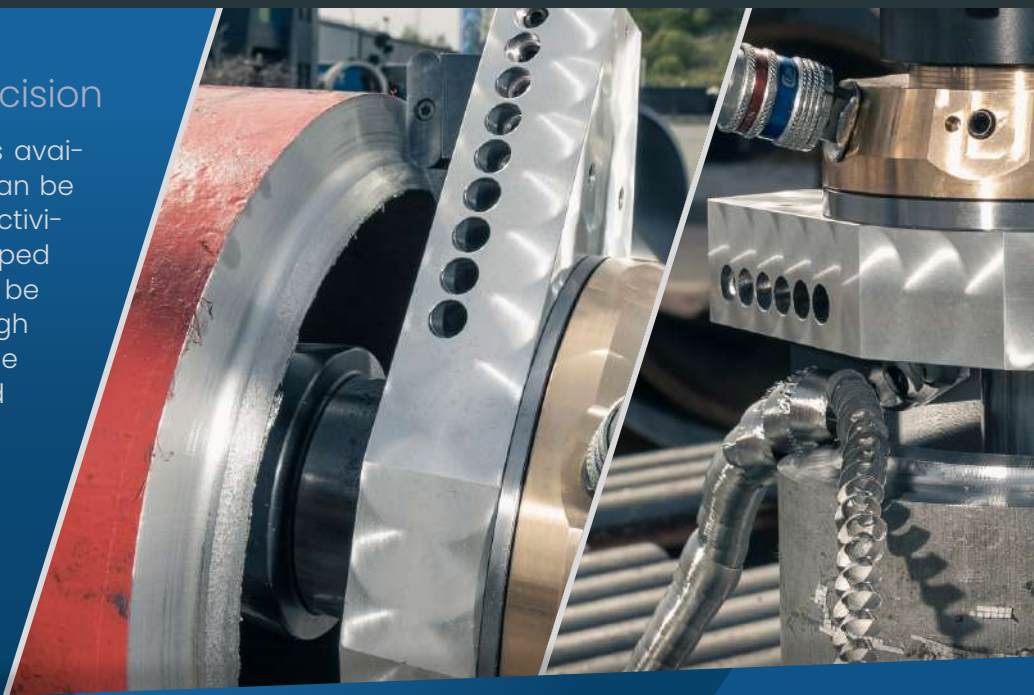
Mechanical beveling of pipe ends and clean weld seam preparation are a must in industrial pipeline construction.

Effective machining for thick-walled seamless pipes at the pipe end without rework and without a heat-affected zone increases productivity through reduced rework.



Power, innovation and precision

By using the most powerful motors available on the market, all materials can be machined with maximum productivity. This is done by specially developed inserts as cutting tools, which can be used for all types of beveling. Through the use of aluminium alloys the machines achieve a low weight and can be operated perfectly by one person on site.



ADVANTAGES / PROPERTIES

- Ergonomic
- Spark-free and reduced noise
- High repeatability
- Quick set up
- Powerful and durable motor
- Highest productivity
- Durable tooling
- Highest quality
- lightweight housing



Machine	MF2iw	MF3iw-s	MF3iw	MF3i	MF4i	MF5i	MF6i-50
Working range ID-OD (mm)	11 - 22	16 - 50	25 - 114,3	40 - 168,3	58 - 219,1	100 - 323,9 (460)	280 - 711
Working range ID-OD (Inch)	0,43 - 0,87	0,62 - 2,0	0,98 - 4,5	1,57 - 6,63	2,28 - 8,63	3,93 - 12,75 (18,11)	11,02 - 28,00
Clamping range ID-ID (mm)	11 - 17	16 - 40	25 - 96	40 - 152	58 - 217	100 - 320	280 - 700
Clamping range ID-ID (Inch)	0,43 - 0,67	0,62 - 1,57	0,98 - 3,78	1,57 - 5,98	2,28 - 8,54	3,94- 12,59	11,02 - 27,56
Wall thickness (mm)	max. 3	max. 10	max. 15	max. 25	max. 25	max. 30	max. 36
Feed (mm)	20	20	20	15	30	30	50
Weight (kg)	2,7	5,8	5,8	10,3	17,9	23,8	79
Pneumatic motor (kW)	0,37	0,85	0,85	0,85	2 x 0,85	2 x 0,85	3 x 0,85
Electric motor (kW)	/	1,5	1,5	1,5	2,3	2,3	/
Pneumatic motor	✓	✓	✓	✓	✓	✓	✓
Electric motor		✓	✓	✓	✓	✓	
Hydraulic motor						✓	✓





MF2iw

Working range ID-OD: 11 - 22 mm

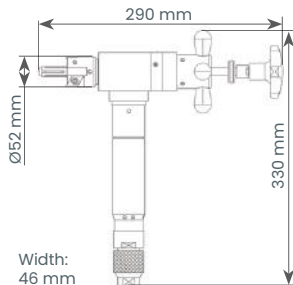
The mobile pipe beveling machine MF2iw is used for processing and weld seam, edge preparation of pipes, nozzles, headers and heat exchangers. The machine is equipped with a pneumatic motor arranged at 90° to the clamping quill or tool spindle.



Optional accessories



Tooling (from p. 32)



Technical data

Clamping range ID-ID	11 - 17 mm	0,43 - 0,67"
Working range ID-OD	11 - 22 mm	0,43 - 0,87"
Max. Wall thickness	3 mm	0,12"
Feed	20 mm	0,79"
Weight with air motor	2,7 kg	6,0 lb
Weld prep	facing, V-prep	
Materials	steel, stainless steel, duplex, high-alloyed	
Tooling	TiN inserts	
Machine body	lightweight housing	

Available drives

Pneumatic motor		
Power	370 W	0,5 HP
Air pressure	6 bar	87 psi
Air consumption	0,60 m³/min	21,2 cfm
Air hose connection	1/4"	
Features	speed control	

MF3iw-s

Working range ID-OD: 16 - 50 mm

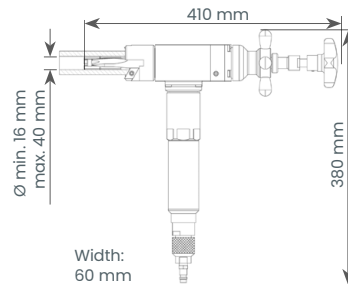
The mobile pipe beveling machine MF3iw-s is used for processing and weld seam, edge preparation of pipes, nozzles, headers and heat exchangers.



Optional accessories



Tooling (from p. 32)



Technical data

Clamping range ID-ID	16 - 40 mm	0,62 - 1,57"
Working range ID-OD	16 - 50 mm	0,62 - 2,0"
Max. wall-thickness	10 mm	0,39"
Feed	20 mm	0,79"
Weight with pneumatic motor	5,8 kg	12,8 lb
Weight with electric motor	7,0 kg	15,4 lb
Weld prep	facing, V & J-prep, counter boring	
Materials	steel, stainless steel, duplex, high-alloyed	
Tooling	tool bits, TiN inserts, custom bits	
Machine body	lightweight housing	



Available drives

Pneumatic motor		
Power	850 W	1,2 HP
Air pressure	6 bar	87 psi
Air consumption	0,96 m³/min	33,9 cfm
Air hose connection	1/4"	
Features	speed control	
Electric motor		
Power consumption	1.500 W (110V/230V)	1,1 HP
Features	restart and overload protection, speed adjustment, torque control	

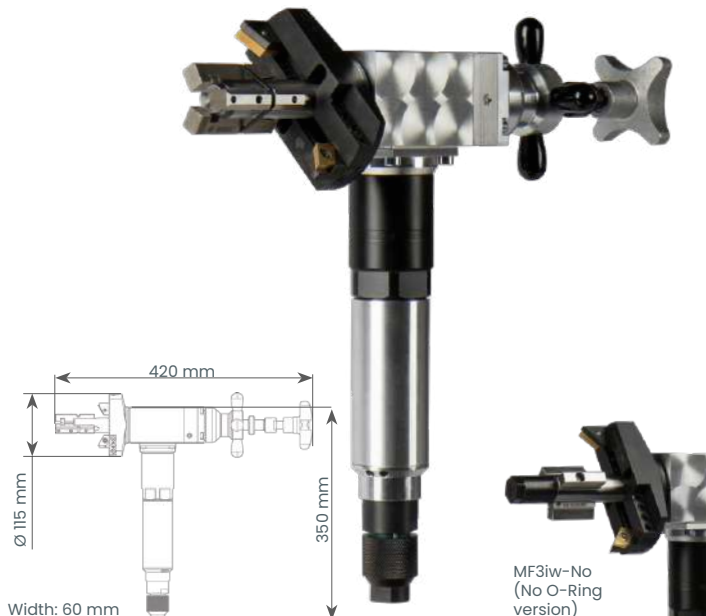
MF3iw

Working range ID-OD: 25 - 114,3 mm

The portable MF3iw pipe beveling machine is used for weld seam preparation when welding thick-walled pipes, boiler tubes, nozzles and headers. Due to its low weight, it can be operated by only one person and is ideally suited for mobile applications.



Optional accessories



Technical data

Clamping range ID-ID	25 - 96 mm	0,43 - 0,67"
Working range ID-OD	25 - 114,3 mm	0,98 - 4,5"
Max. Wall thickness	15 mm	0,6"
Feed	20 mm	0,79"
Weight with pneumatic motor	5,8 kg	12,8 lb
Weight with electric motor	7,0 kg	15,4 lb
Weld prep	facing, V & J-prep, counter boring	
Materials	steel, stainless steel, duplex, high-alloyed	
Tooling	tool bits, TiN inserts, custom bits	
Machine body	lightweight housing	

Available drives

Pneumatic motor		
Power	850 W	1,2 HP
Air pressure	6 bar	87 psi
Air consumption	0,96 m³/min	33,9 cfm
Air hose connection	1/4"	
Features	speed control	
Electric motor		
Power consumption	1.500 W (110V/230V)	1,1 HP
Features	restart and overload protection, speed adjustment, torque control	

MF3i

Working range ID-OD: 40 - 168,3 mm

With the MF3i pipe beveling machine, pipes up to OD 168,3 mm can be processed for weld edge preparation. The machine can be equipped with either a pneumatic or electric working motor. Thanks to its low weight of only 10 kg, this machine can be operated by only one person.



Optional accessories



Tooling
(from p. 32)



Special tool for
elbow beveling



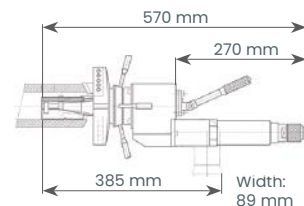
XL extension for ID
25 - 152 mm



Angle motor

Technical data

Clamping range ID-ID	40 - 152 mm	1,57 - 5,98"
Working range ID-OD	40 - 168,3 mm	1,57 - 6,63"
Max. wall-thickness	25 mm	0,98"
Feed	15 mm	0,591"
Weight with pneumatic motor	10,3 kg	22,7 lb
Weight with electric motor	11,5 kg	25,3 lb
Weld prep	facing, V & J-prep, counter boring	
Materials	steel, stainless steel, duplex, high-alloyed	
Tooling	tool bits, TiN inserts, custom bits	
Machine body	lightweight housing	



Available drives

Pneumatic motor

Power	740 W	0,5 HP
Air pressure	6 bar	87 psi
Air consumption	0,96 m³/min	33,9 cfm
Air hose connection	1/4"	
Features	speed control	

Electric motor

Power consumption	1.500 W (110V/230V)	1,1 HP
Features	restart and overload protection, speed adjustment, torque control	



Technical data

Clamping range ID-ID	58 - 217 mm	2,28 - 8,54"
Working range ID-OD	58 - 219,1 mm	2,28 - 8,63"
Max. wall-thickness	25 mm	0,98"
Feed	30 mm	1,18"
Weight with pneumatic motor	17,9 kg	39,5 lb
Weight with electric motor	21,1 kg	46,5 lb
Weld prep	facing, V & J-prep, counter boring	
Materials	steel, stainless steel, duplex, high-alloyed	
Tooling	tool bits, TiN inserts, custom bits	
Machine body	lightweight housing	

MF4i

Working range ID-OD: 58 - 219,1 mm

The portable pipe beveling machine is used for weld seam preparation when welding thick-walled pipes, boiler tubes and headers. Due to an extremely compact design, tubes can be beveled perfectly even in confined spaces.



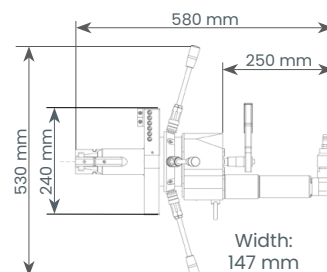
Optional accessories



Tooling
(from p. 32)



Special tool for
elbow beveling



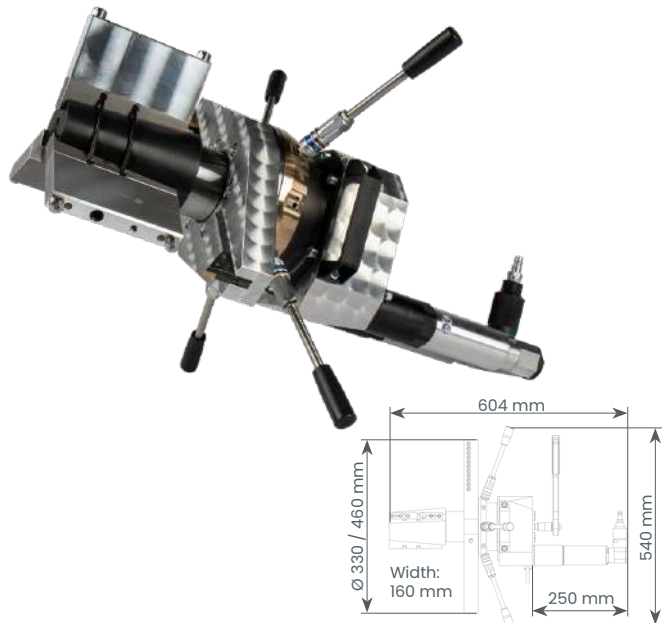
Available drives

2 Pneumatic motors

Power	1.700 W	2,3 HP
Air pressure	6 bar	87 psi
Air consumption	1,92 m³/min	70,4 cfm
Air hose connection	3/8"	
Features	speed control	

Electric motor

Power consumption	2.300 W (110V/230V)	1,75 HP
Features	speed adjustment, overload protection, blocking monitoring	



Technical data

Clamping range ID-ID	100 - 320 mm	3,94- 12,59"
Working range ID-OD	100 - 323,9 mm	3,93 - 12,75"
Max. wall-thickness	30 mm	1,18"
Feed	30 mm	1,18"
Weight with pneumatic motor	23,8 kg	52,5 lb
Weight with electric motor	29,0 kg	63,9 lb
Weight with hydraulic motor	33,0 kg	72,7 lb
Weld prep	facing, V & J-prep, counter boring	
Materials	steel, stainless steel, duplex, high-alloyed	
Tooling	tool bits, TiN inserts, custom bits	
Machine body	lightweight housing	

MF6i-50

Working range ID-OD: 280 - 711 mm

The MF6i-50 pipe beveling machine is the largest of our pipe beveling machines and can work on pipes with a maximum outer diameter of 711 mm and a maximum wall thickness of 32 mm. A powerful motor, a long service life and first-class tools optimise your work process.



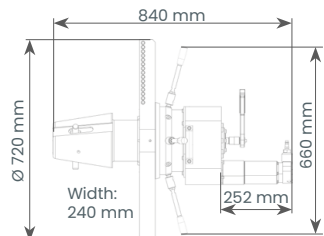
Optional accessories



Tooling
(from p. 32)



Machine with 2
hydraulic motors



Technical data

Clamping range ID-ID	280 - 700 mm	11,02 - 27,56"
Working range ID-OD	280 - 711 mm	11,02 - 28,00"
Max. wall-thickness	32 mm	1,26"
Feed	50 mm	1,97"
Weight with pneumatic motor	85,0 kg	187,4 lb
Weight with hydraulic motor	105,0 kg	231,5 lb
Weld prep	facing, V & J-prep, counter boring	
Materials	steel, stainless steel, duplex, high-alloyed	
Tooling	tool bits, TiN inserts, custom bits	
Machine body	lightweight housing	

MF5i-II

Working range ID-OD:
100 - 323,9 mm (460 mm)

The MF5i pipe beveling machine processes pipes with an outer diameter of 100 mm to max. 323,9 mm. Thanks to the high repeatability, quality and ergonomics, you increase your productivity and optimise the weld seam preparation.



Optional accessories



Tooling
(from p. 32)



Special tool for
elbow beveling



Machine with
hydraulic motor



XL extension for
diameter
100-460 mm

Available drives

Pneumatic motor

Power	1.700 W	2,3 HP
Air pressure	6 bar	87 psi
Air consumption	1,92 m³/min	70,4 cfm
Air hose connection	3/8"	
Features	speed control	

Electric motor

Power consumption	2.300 W (110V/230V)	1,75 HP
Features	speed adjustment, overload protection, blocking monitoring	

Hydraulic motor

Power	8.000 W	10,9 HP
Pressure	105 bar	1523 psi
Oil flow	50 l/min	



Available drives

3 Pneumatic motors

Power	2.550 W	3,6 HP
Air pressure	6 bar	87 psi
Air consumption	2,88 m³/min	101,7 cfm
Air hose connection	1/4"	
Features	speed control	

2 Hydraulic motors

Power consumption	16.000 W	21,8 HP
Air pressure	105 bar	1523 psi
Oil flow	50 l/min	



Elbow beveling

Special inserts for internal clamping pipe beveling machines

The device attachment for beveling pipe elbows is an accessory for our beveling machines and is used exclusively for beveling and internal beveling of pipe elbows as part of a repair or production. Due to the design of this device, pipe diameters, pipe wall thicknesses and pipe material must be taken into account.

- Working range: Up to max. 18 inch OD
- Simple & quick set up
- Ergonomic
- Made in Germany



Model	Item	Suitable for	Clamping range ID-ID	Working range OD-OD
TE43	09I505662	MF3i	43 - 106 mm	60,5 - 114 mm 2 - 4"
TE80	09I505663	MF3i	102 - 153 mm	114,3 - 160 mm 4 - 6"
TE120	09I506050	MF4i	124 - 203 mm	168,1 - 219 mm 6 - 8"
TE160	09I505664	MF5i	216 - 310 mm	273 - 332 mm 10 - 12"
TE180	09I505665	MF5i	273 - 455 mm	323,9 - 460 mm 12 - 18"



PIPE BEVELING MACHINES OD MOUNT

Portable solutions for
perfectly beveled pipes

PIPE BEVELING MACHINES OD MOUNT

The MF3-25 and MF4 pipe beveling machines are specially designed for machining the panel wall in steam boilers, where crown milling cutters are used. Weld seam preparation and removal of the fin tube are carried out in just one operation and increase productivity. Boiler tubes from all well-known companies in boiler construction and power plant technology can thus be beveled with high productivity.



Power, innovation and precision

By using the most powerful motors available on the market, all materials can be machined with maximum productivity. This is done by specially developed inserts as cutting tools, which can be used for all types of beveling. Through the use of aluminium alloys the machines achieve a low weight and can be operated perfectly by one person on site.



ADVANTAGES / PROPERTIES

- Ergonomic
- Quick set up
- lightweight housing
- Spark-free and reduced noise
- High repeatability
- Powerful and durable motor
- Highest productivity and quality
- Durable tooling



Machine	MF3-R	MF4-R	MF2-25	MF3-25 XL	MF4
Clamping range OD-OD (mm)	12 - 44,5	48,3 - 88,9	20 - 38	20 - 76,1	38 - 133
Clamping range OD-OD (Inch)	0,472 - 1,752	1,902 - 3,5	0,787 - 1,496	0,787 - 2,996	1,496 - 5,236
Working range ID-OD (mm)	9 - 44,5	30 - 88,9	12,5 - 38	12,5 - 76,1	25 - 133
Working range ID-OD (Inch)	0,354 - 1,752	1,181 - 3,5	0,314 - 1,496	0,496 - 2,996	0,984 - 5,236
Wall thickness (mm)	max. 10	max. 10	max. 15	max. 15	max. 25
Feed (mm)	15	15	25	25	15
Weight (kg)	4,8	5,9	6,4	8,8	13,0
Pneumatic motor (kW)	0,85	0,85	0,85	0,85	0,85
Electric motor (kW)	1,2	1,2	1,2	1,2	1,2
Pneumatic motor	✓	✓	✓	✓	✓
Electric motor	✓	✓	✓	✓	✓
Optional angle pneumatic motor				✓	✓
Optional angle electric motor				✓	✓





MF3-R

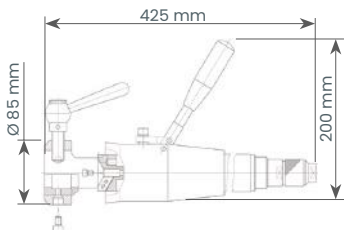
Clamping range OD-OD: 12 - 44,5 mm

The MF3-R is used for pipe end machining, i.e. for beveling individual pipes or membrane walls. Due to its compact design, the machine is particularly suitable for machining panel wall openings. The MF3-R can optionally be equipped with a pneumatic or an electric motor.

Optional accessories



Tooling
(from p. 32)



Technical data

Working range ID-OD	9 - 44,5 mm	0,354 - 1,752"
Clamping range OD-OD	12 - 44,5 mm	0,472 - 1,752"
Max. wall-thickness	10 mm	0,393"
Feed	15 mm	0,590"
Weight with pneumatic motor	4,8 kg	10,6 lb
Weight with electric motor	6,0 kg	13,3 lb
Weld prep	facing, V-prep	
Materials	steel, stainless steel, duplex, high-alloyed	
Tooling	tool bits, TiN inserts, custom bits	
Machine body	lightweight housing	

Available drives

Pneumatic motor		
Power	850 W	1,2 HP
Air pressure	6 bar	87 psi
Air consumption	0,96 m³/min	33,9 cfm
Air hose connection	1/4"	
Features	speed control	
Electric motor		
Power consumption	1.200W (110V/230V)	1,6 HP
Features	speed adjustment	



MF4-R

Clamping range OD-OD:
48,3 - 88,9 mm

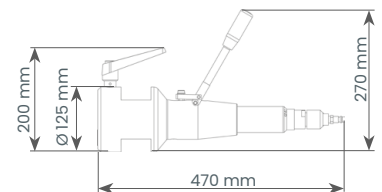
The MF4-R is used for beveling pipe ends or membrane walls. Due to its low weight, the machine can be operated by only one person and is suitable for both workshop and construction site use. The MF4-R pipe beveling machine can be optionally equipped with a pneumatic or an electric motor.



Optional accessories



Tooling
(from p. 32)



Technical data

Working range ID-OD	30 - 88,9 mm	1,181 - 3,5"
Clamping range OD-OD	48,3 - 88,9 mm	1,744 - 3,5"
Max. wall-thickness	10 mm	0,39"
Feed	15 mm	0,59"
Weight with pneumatic motor	5,9 kg	13,0 lb
Weight with electric motor	7,0 kg	15,4 lb
Weld prep	facing, V & J-prep, counter boring	
Materials	steel, stainless steel, duplex, high-alloyed	
Tooling	tool bits, TiN inserts, custom bits	

Available drives

Pneumatic motor

Power	850 W	1,2 HP
Air pressure	6 bar	87 psi
Air consumption	0,96 m³/min	33,9 cfm
Air hose connection	1/4"	
Features	speed control	

Electric motor

Power consumption	1.200W (110V/230V)	1,6 HP
Features	speed adjustment	

MF2-25

Clamping range OD-OD: 20 - 38 mm

The special versatility of the MF2-25 pipe beveling machine is characterised by the panel wall machining with indexable insert crown cutters up to a Ø 38.0 mm. The minimum panel wall width is only 40.0 mm.



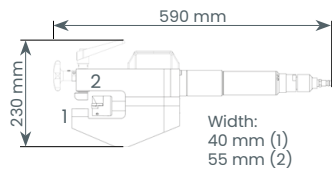
Optional accessories



Tooling
(from p. 32)



Indexable insert
crown milling
cutter



Technical data

Working range ID-OD	12,5 - 38 mm	0,492 - 1,496"
Clamping range OD-OD	20 - 38 mm	0,787 - 1,496"
Max. wall-thickness	15 mm	0,59"
Feed	25 mm	0,98"
Weight with pneumatic motor	6,4 kg	14,1 lb
Weight with electric motor	7,6 kg	16,7 lb
Weld prep	facing, V & J-prep, counter boring	
Materials	steel, stainless steel, duplex, high-alloyed	
Tooling	tool bits, TiN inserts, custom bits	
Machine body	lightweight housing	

Available drives

Pneumatic motor

Power	850 W	1,2 HP
Air pressure	6 bar	87 psi
Air consumption	0,96 m³/min	33,9 cfm
Air hose connection	1/4"	
Features	speed control	

Electric motor

Power consumption	1.500 W (110V/230V)	2,0 HP
Features	restart and overload protection, speed adjustment, torque control	

PIPE BEVELING MACHINES OD MOUNT

MF3-25 XL

Clamping range OD-OD:
20 - 76,1 mm

The pipe beveling machine MF3-25 XL has a working range from ID 12,5 mm to OD 76,1 mm and can be equipped with an angled drive on request. When using the optional angle motor, the machine can be used in confined spaces.



Optional accessories



Tooling
(from p. 32)



Indexable insert
crown milling
cutter



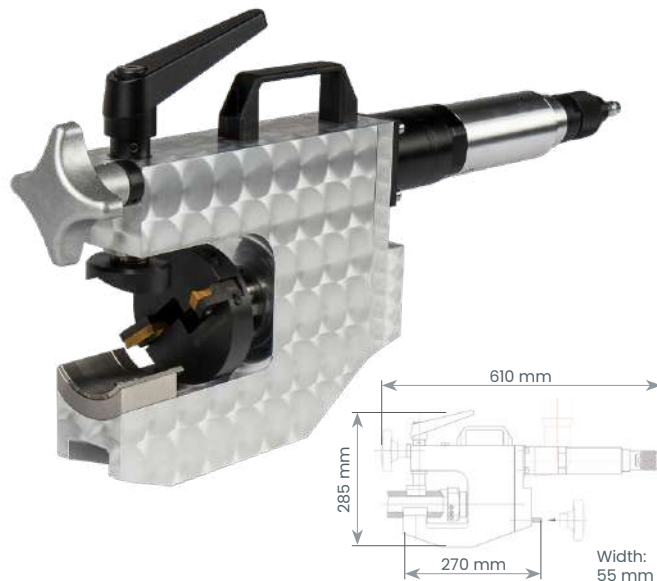
Easy-to-fit
solution



Angle motor

Technical data

Working range ID-OD	12,5 - 76,1 mm	0,492 - 1,496"
Clamping range OD-OD	20 - 76,1 mm	0,787 - 1,496"
Max. wall-thickness	15 mm	0,59"
Feed	25 mm	0,98"
Weight with pneumatic motor	8,8 kg	18,5 lb
Weight with electric motor	10 kg	21,2 lb
Weld prep	facing, V & J-prep, counter boring	
Materials	steel, stainless steel, duplex, high-alloyed	
Tooling	tool bits, TiN inserts, custom bits	
Machine body	lightweight housing	



Available drives

Pneumatic motor

Power	850 W	1,2 HP
Air pressure	6 bar	87 psi
Air consumption	0,96 m³/min	33,9 cfm
Air hose connection	1/4"	
Features	speed control	

Electric motor

Power consumption	1.500 W (110V/230V)	2,0 HP
Features	restart and overload protection, speed adjustment, torque control	

MF4

Clamping range OD-OD:
38 - 133 mm

The largest externally clamping pipe beveling machine MF4 can also be equipped with an angled drive on request. This allows the machine to be used in special situations that require a compact design in addition to a large working and clamping range.



Optional accessories



Tooling
(from p. 32)



Indexable insert
crown milling
cutter



Easy-to-fit
solution



Angle motor

Technical data

Working range ID-OD	25 - 133 mm	0,984" - 5,236"
Clamping range OD-OD	38 - 133 mm	1,496 - 5,236"
Max. wall-thickness	25 mm	0,984"
Feed	15 mm	0,59"
Weight with pneumatic motor	13 kg	26,5 lb
Weight with electric motor	14,2 kg	31,75 lb
Weld prep	facing, V & J-prep, counter boring	
Materials	steel, stainless steel, duplex, high-alloyed	
Tooling	tool bits, TiN inserts, custom bits	
Machine body	lightweight housing	



Available drives

Pneumatic motor

Power	850 W	1,2 HP
Air pressure	6 bar	87 psi
Air consumption	0,96 m³/min	33,9 cfm
Air hose connection	1/4"	
Features	speed control	

Electric motor

Power consumption	1.500 W (110V/230V)	2,0 HP
Features	restart and overload protection, speed adjustment, torque control	