



PIPE CUTTING & BEVELING

On-site machines for pipe weld edge prep



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DWT COMPANY

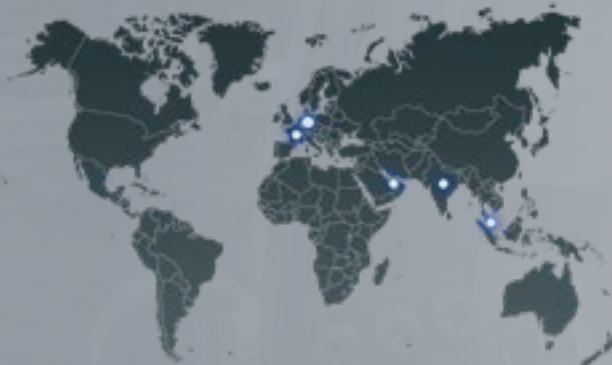


is a medium-sized sales, production and service company in the industrial heart of Germany. The headquarter, warehouse, production and service centre are located in Bottrop.

Since 1995, the export business has also been expanded and customers are now supplied in over 30 countries around the world.

Branches for the distribution of pipe cutting and beveling machines:

- Germany (Headquarter)
- India
- South East Asia
- Middle East
- France





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MARKETS AND APPLICATIONS

On site or in the factory

New pipe materials and increased demands on the processes in pipe construction constantly require new solutions. We offer products to increase productivity in pipe processing in the following areas:

Areas	Applications	DWT Pipe Tools Solutions
Energy and waste incineration plants	<ul style="list-style-type: none"> • Shell and Pipe heat exchanger • Box header • HVAC fin heat exchanger 	MF2-25 / MF3-25 / MF3iw / MF2iw
Power stations	<ul style="list-style-type: none"> • Membrane wall • High-pressure pipeline • Collector 	BWC / MF2-25 / MF3-25 / MF3iw / MF3i / MF4i / MF5i / MF6i-50 / DLW
Pipe production / suppliers	<ul style="list-style-type: none"> • Pipe edge preparation for all branches of industry 	MF5 / MF6i-50



Areas	Applications	DWT Pipe Tools Solutions
Pipeline construction, chemical industry, refinery	<ul style="list-style-type: none"> • All piping • All materials 	DLW, all internal clamping pipe beveling machines (excl. MF2iw)
Machinery and plant engineering	<ul style="list-style-type: none"> • Supply lines of all kinds and special mechanical engineering 	All external and internal clamping pipe beveling machines. Also customised possible
Oil and gas, civil engineering	<ul style="list-style-type: none"> • Pipeline construction • Supply line made of cement, concrete, cast iron, steel & PVC/PE 	DLW CPC-B
Shipyards	<ul style="list-style-type: none"> • Hydraulics • Fuel supply • Air conditioning 	MF3-R / MF3iw / MF3-25 / MF2-25 / MF2iw / MF3i / MF5i



PIPE BEVELING MACHINES ID MOUNT

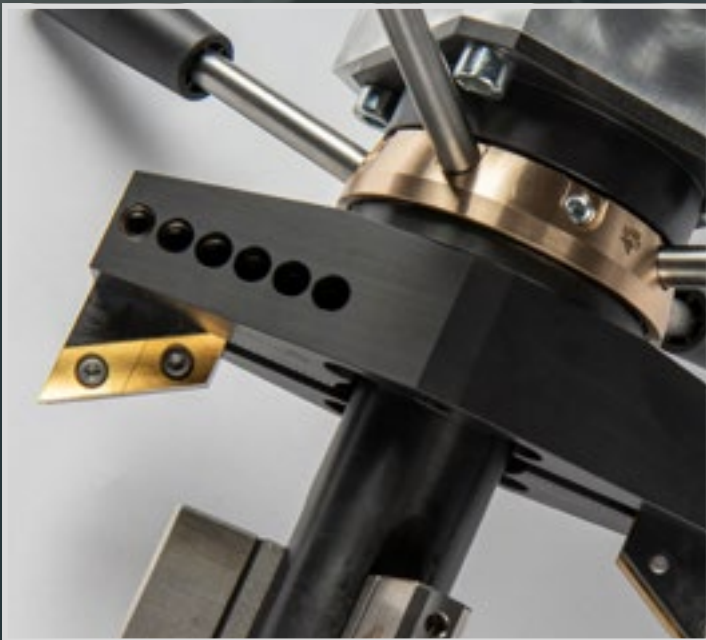
Portable solutions for
perfectly beveled pipes



PIPE BEVELING MACHINES ID MOUNT

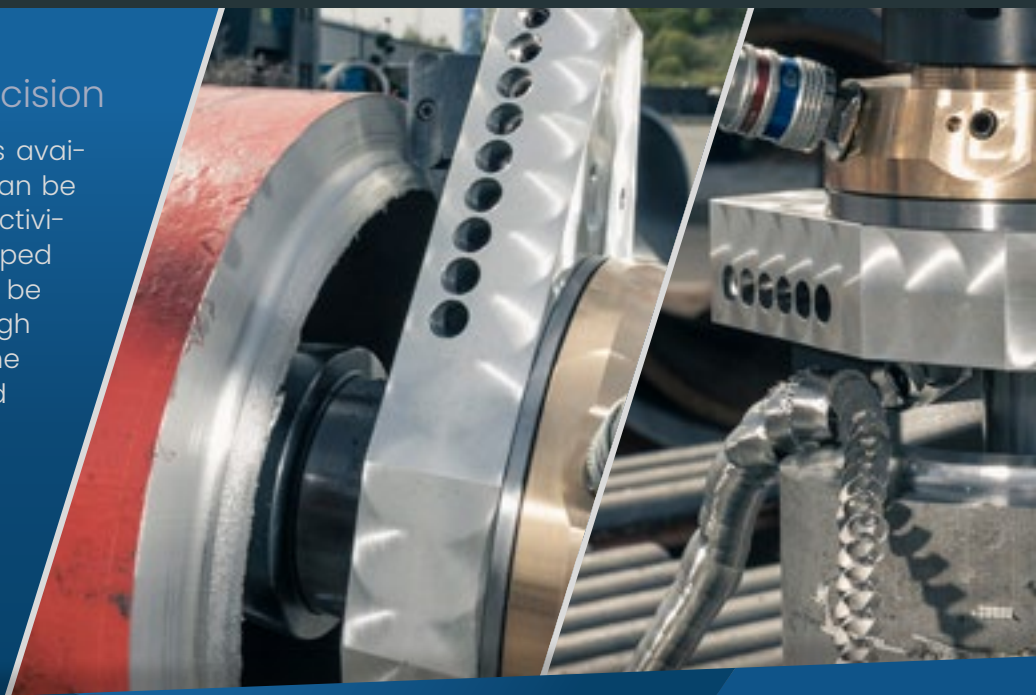
Mechanical beveling of pipe ends and clean weld seam preparation are a must in industrial pipeline construction.

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.

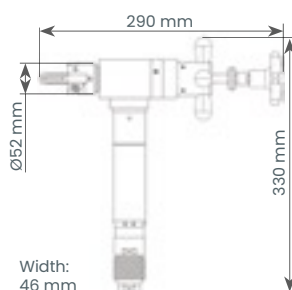
The machine is equipped with a pneumatic motor arranged at 90° to the clamping quill or tool spindle.



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 m ³ /min	21,2 cfm
Air hose connection	1/4"	
Features	speed control	

MF3iw-s

Working range ID-OD: 16 - 50 mm

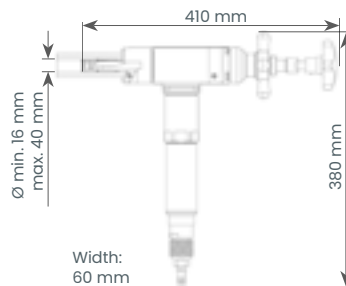
The mobile pipe beveling machine MF3iw-s is used for processing and weld seam, edge preparation of pipes, nozzles, headers and heat exchangers.



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	

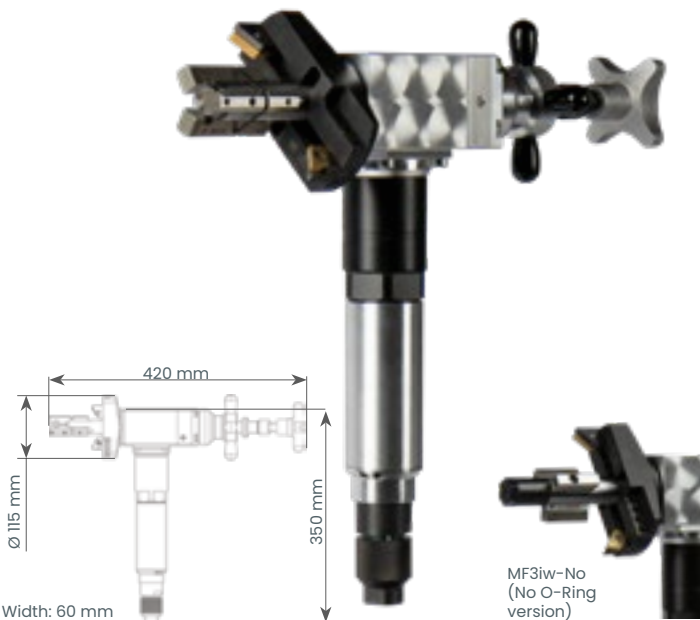
MF3iw

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



Tooling (from p. 32)

Special tool for repairing heat exchangers

Lever feed for fast feed

XL extension for ID 16 - 25 mm (only for lever feed)

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	

PIPE BEVELING MACHINES ID MOUNT

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.



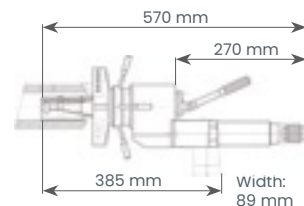
Optional accessories



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	



MF4i

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

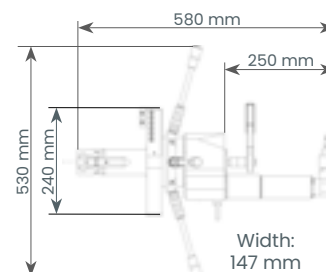
The portable pipe beveling machine is used for weld seam preparation when welding thick-walled pipes, boiler tubes and headers. Due to an extremely compact design, tubes can be beveled perfectly even in confined spaces.



Optional accessories



Tooling (from p. 32) Special tool for elbow beveling



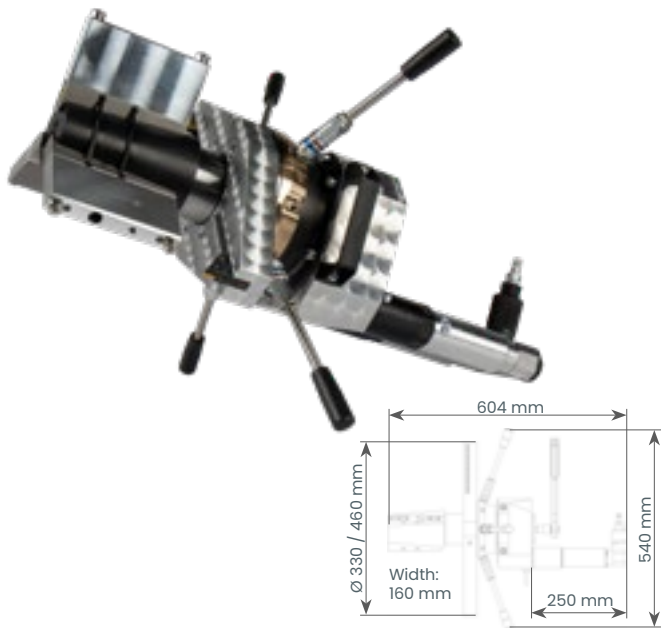
Technical data

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	

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.



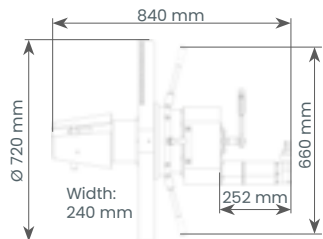
Optional accessories



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

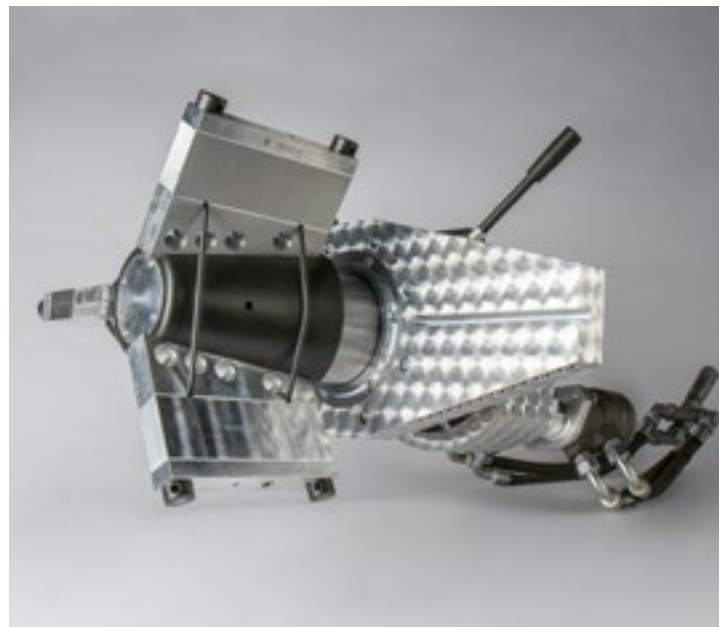
Power	1.700 W	2,3 HP
Air pressure	6 bar	87 psi
Air consumption	1,92 m ³ /min	70,4 cfm
Air hose connection	3/8"	
Features	speed control	

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 m ³ /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	091505662	MF3i	43 - 106 mm	60,5 - 114 mm 2 - 4"
TE80	091505663	MF3i	102 - 153 mm	114,3 - 160 mm 4 - 6"
TE120	091506050	MF4i	124 - 203 mm	168,1 - 219 mm 6 - 8"
TE160	091505664	MF5i	216 - 310 mm	273 - 332 mm 10 - 12"
TE180	091505665	MF5i	273 - 455 mm	323,9 - 460 mm 12 - 18"



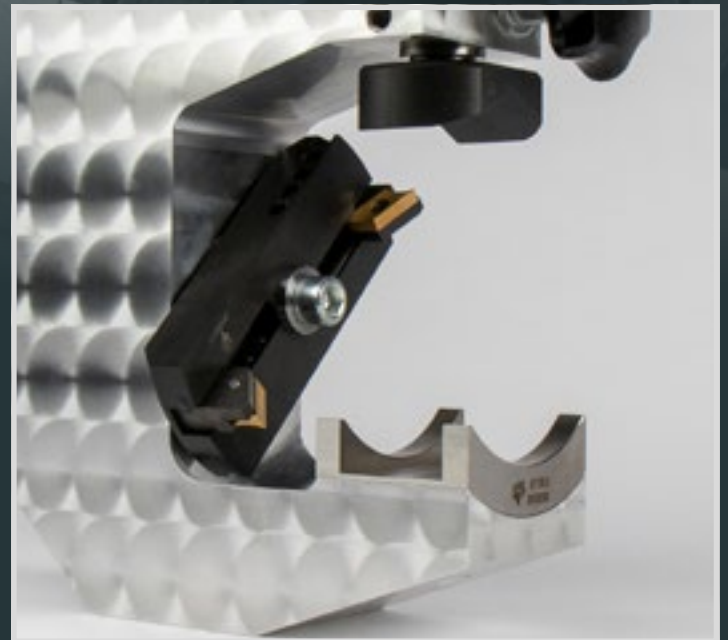
PIPE BEVELING MACHINES OD MOUNT

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

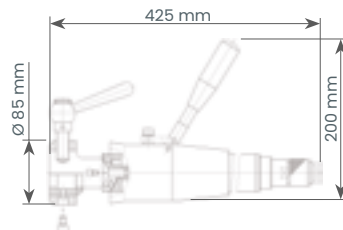
Clamping range OD-OD: 12 - 44,5 mm

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 m ³ /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

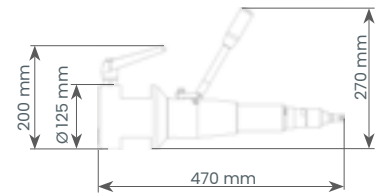
The MF4-R is used for beveling pipe ends or membrane walls. Due to its low weight, the machine can be operated by only one person and is suitable for both workshop and construction site use. The MF4-R pipe beveling machine can be optionally equipped with a pneumatic or an electric motor.



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 m ³ /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 \varnothing 38.0 mm. The minimum panel wall width is only 40.0 mm.



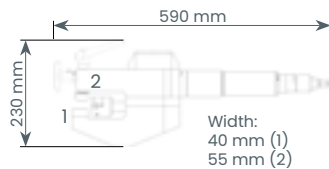
Optional accessories



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 m ³ /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	

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



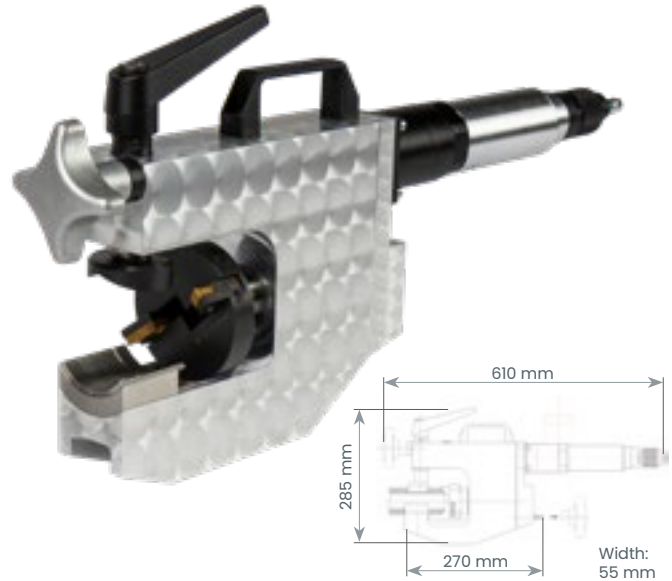
Easy-to-fit
solution



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 m ³ /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



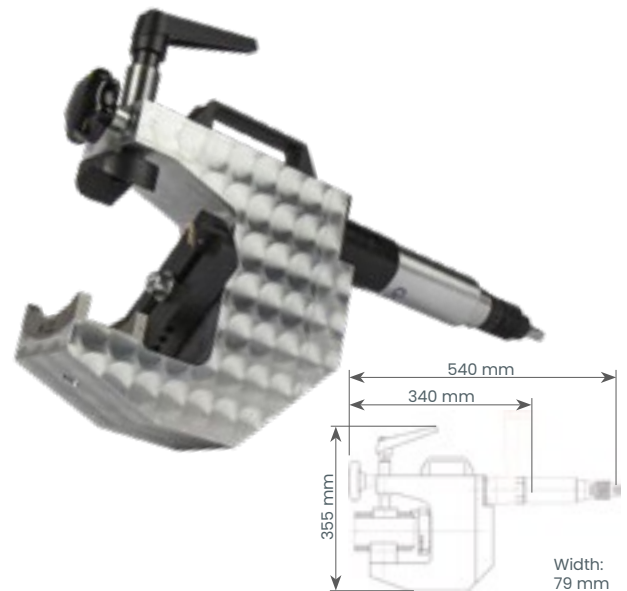
Easy-to-fit
solution



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 m ³ /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	



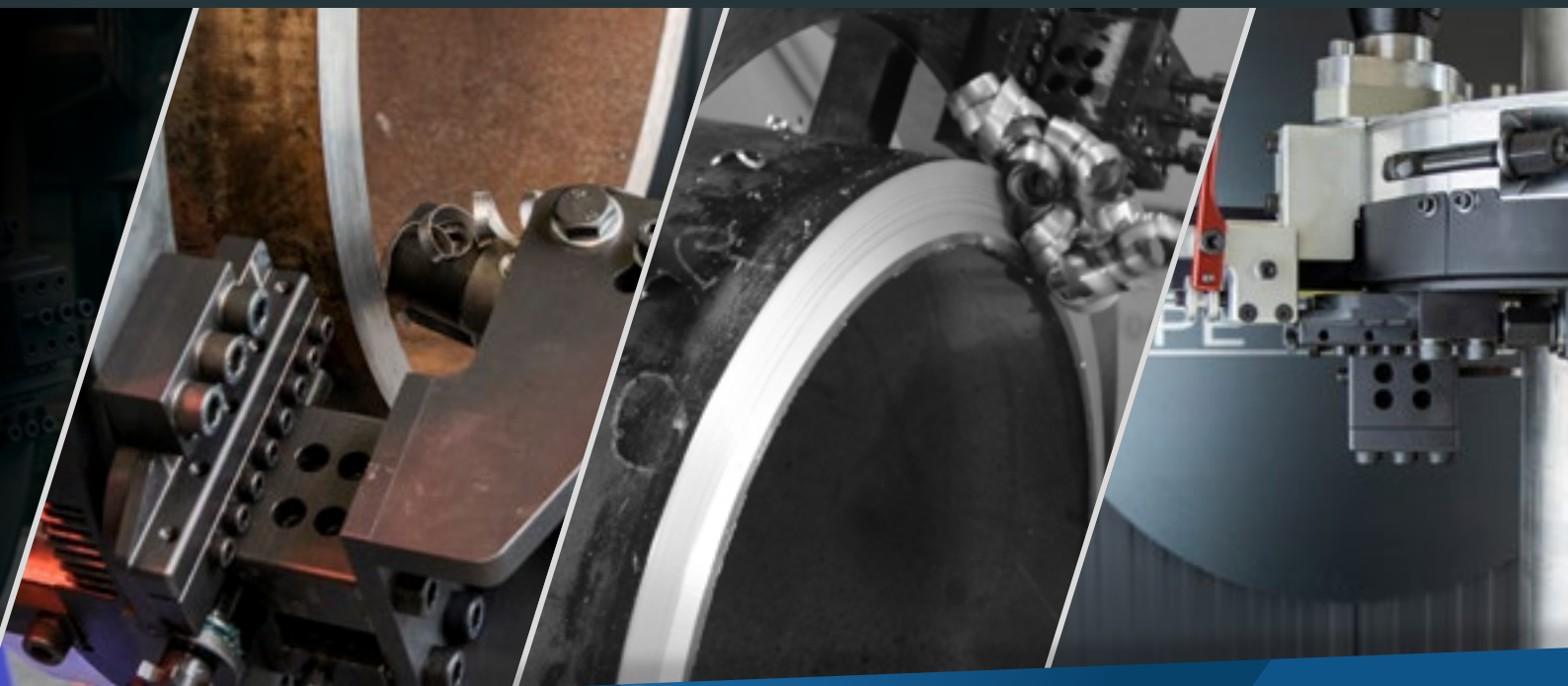
PIPE CUTTING AND
BEVELING MACHINES

The portable DLW series

PIPE CUTTING AND BEVELING MACHINES

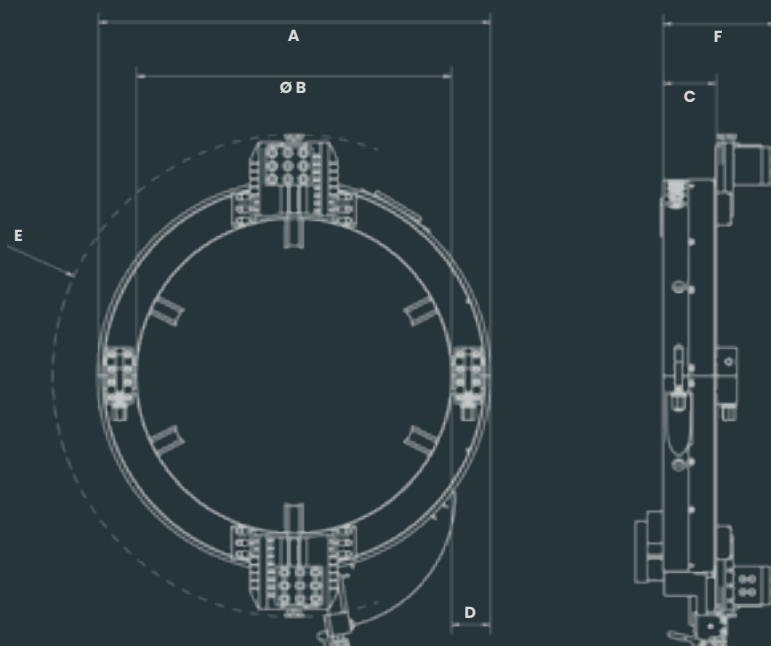
Nowadays, stainless steel pipes, steel pipes and high-alloy, thick-walled steel pipes must be cut and beveled quickly and with high quality. Depending on the material, diameter and wall thickness, we offer the perfect machine for this purpose.

Specially designed for thick-walled pipes, pipe diameters of up to 1219 mm OD can be handled at wall thicknesses up to 80 mm.



ADVANTAGES / PROPERTIES

- Cold cutting and beveling of thick-walled steel pipes
- Developed with „on-site“ know-how
- No heat-affected zone (cold cutting)
- Spark-free and reduced noise
- Perfect weld seam preparation for thick-walled steel pipes



Type	A mm	B mm	C mm	D mm	E mm	F mm	max. wall thickness (mm)	Pipe OD (mm)		Weight (kg)
								min.	max.	
DLW 2-6	319	182	88,5	68	202	188	80	60	168	23
DLW 4-8	366	232	88,5	68	224	188	80	89	219	27
DLW 5-10	420	286	88,5	68	249	188	80	114	274	30
DLW 6-12	470	340	88,5	68	261	188	80	141	324	34
DLW 8-14	496	368	88,5	68	262	188	80	194	356	38
DLW 10-16	550	421	88,5	68	317	188	80	244	406	42
DLW 12-18	604	470	88,5	68	341	188	80	298	457	45
DLW 14-20	655	525	88,5	68	369	188	80	330	508	50
DLW 18-24	759	625	88,5	68	420	188	80	432	610	60
DLW 24-30	920	775	88,5	74	496	188	80	585	762	83
DLW 30-36	1068	928	88,5	74	572	188	80	737	914	93
DLW 36-43	1250	1105	88,5	74	661	188	80	889	1092	127
DLW 40-48	1420	1245	95	89	731	194	80	991	1219	170





Technology and innovation

The pipe cutting and beveling machine is used to cut thick-walled pipelines in explosive areas such as oil and gas platforms and other hazardous areas.

Cold cutting is carried out at low temperatures and has many advantages: The pipe material remains cold, so that the damage to the material is reduced to a minimum. In addition, there are no sparks, no discoloration and no environmental pollution.

Modular drives and tool holders

The drives and tool holders are a basic component of the pipe cutting machines. An adapter allows all motor types and sizes (pneumatic, hydraulic) to be interchanged.

- Modular design
- Easy exchange on site
- Lower investment costs





Servo Drive Motor

Electric servo drive motors

The DLW pipe cutting and beveling machines can optionally be equipped with electric servo drive motors, which allows speed, torque and current consumption to be displayed and measured during the cutting process.



Advantages:

- Available with 230 V and 400 V connection
- For cutting and beveling thick-walled pipes
- Shockproof and corrosion resistant
- Large display and emergency stop switch
- Speed, torque and current consumption are displayed during the cutting and beveling process

Power	Area	Wall thickness	Material	Tooling
230V / 1,5 kW	DLW 2-6 - DLW 12-18	40 mm	steel, stainless steel	HSS Tooling
400 V / 3,5 kW	DLW 14-20 - DLW 40-48	80 mm	steel, stainless steel, high-alloy and heat-resistant steels	Inserts + HSS Tooling

Pneumatic motor

Air driven motors

- Suitable for EX-protected areas
- Extremely powerful motor
- Durable motor
- Modular interchangeable
- Suitable for HSS tools
- Insert solutions for beveling



Power	Area	Air consumption	Air pressure	Wall thickness	Material
1.700 W / 2,3 HP	DLW 2-6 - DLW 5-10	1,80 m³/min	6,0 bar	80 mm	steel, stainless steel
3.000 W / 4,1 HP	DLW 6-12 - DLW 40-48	3,10 m³/min	6,0 bar	80 mm	steel, stainless steel, high-alloy and heat-resistant steels



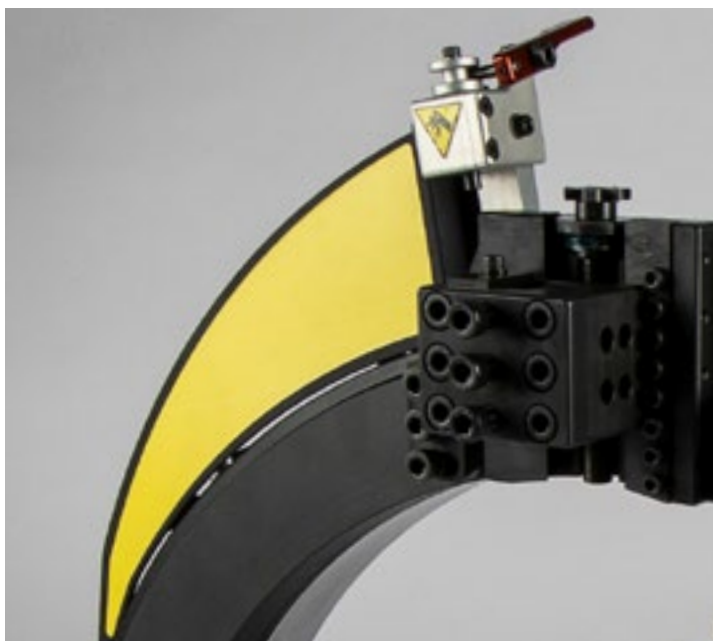
Hydraulic motor

Hydraulically driven motors

- Suitable for EX-protected areas
- Extremely powerful motor
- Durable motor
- Modular interchangeable
- Insert solutions for beveling
- High speed motors available



Power	Area	Wall thickness	Material	Tools
11,000 W / 15 HP	DLW 2-6 - DLW 40-48	80 mm	steel, stainless steel, high-alloy and heat-resistant steels	Inserts + HSS Tools



DLW-Safety features

DLW protector system to avoid accidents

The standard safety shield protects against crushing and unintentional intervention when operating the DLW. With the optional accessories such as the maintenance unit or the remote control, safety can be further increased.

- Safety shield „Shark fin“ (standard)
- Remote control to adjust the feed (optional)
- Safety maintenance unit with emergency stop and foot pedal (optional)



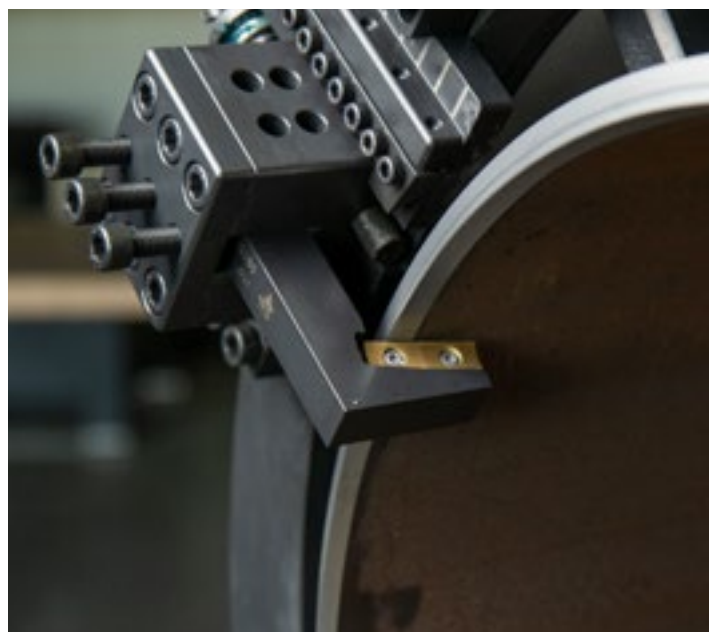
DLW-IBT

Internal machining of steel pipes

The „Inside-Beveling-Tool“ (IBT) consists of a negative threaded rod for the tool holder (2 Tool tips) and a special insert holder. With this combination, a bevel of max. 25 mm at an angle of 30° degrees is possible.



- Easy installation
- High repeatability
- Adaptation of pipes in the factory or directly on the construction site



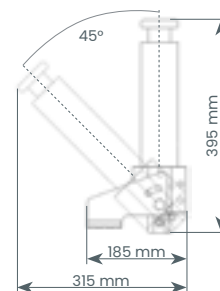
DLW-CB III

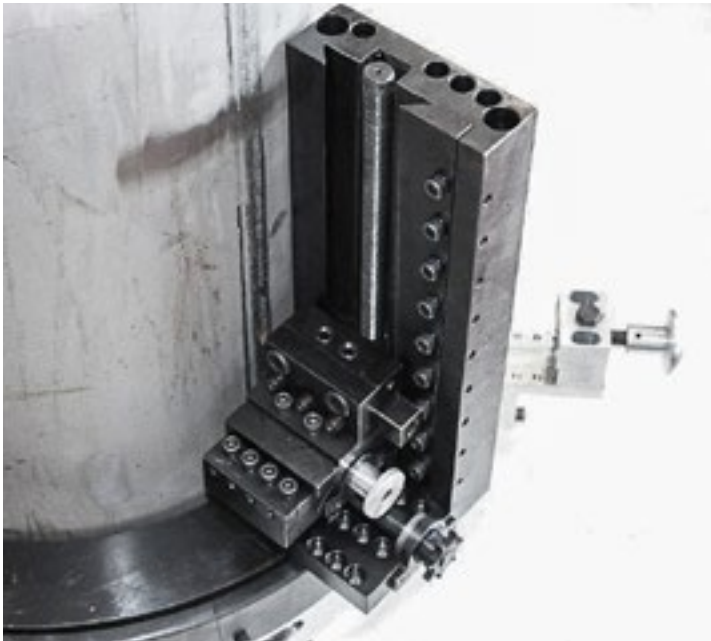
Internal machining of steel pipes

The internal boring device can be used for seam preparation of the inner diameter and the inner bore of max. 200 mm depth, after cutting the pipes. The angle is adjustable from 0° - 25°.

Advantages:

- High repeatability
- Adjustment of pipes in the factory or directly on the construction site
- Modular design, easy installation



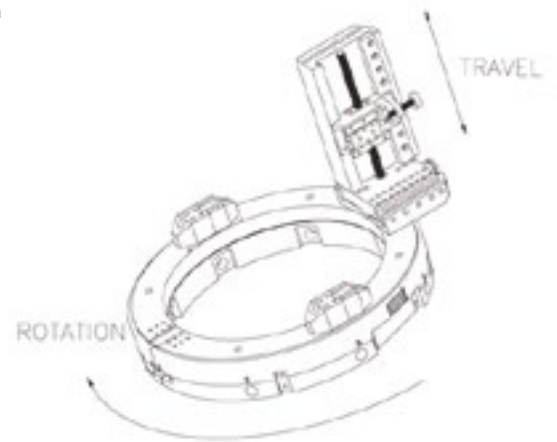


DLW-ETM

Overturn outside

The additional equipment DLW-ETM is used for external machining of thick-walled pipes, external insulation as well as for removing protruding weld seams.

Axial feed: 188 mm



DLW-SLH

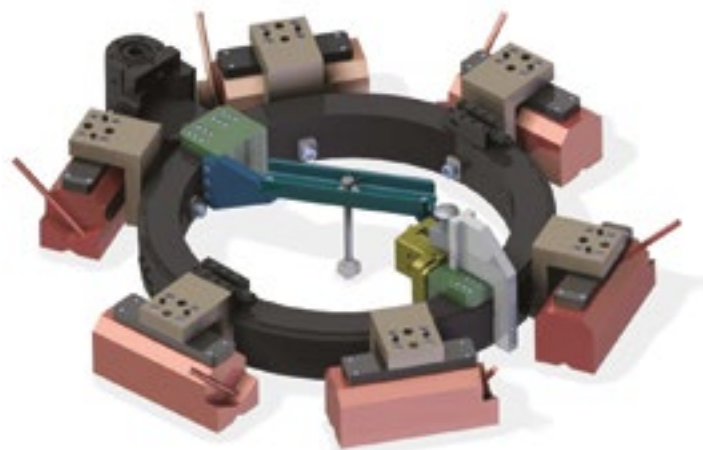
Machining oval tubes

The spring load holder DLW-SLH is used for cold pipe cutting and beveling of out-of-round-pipes. The copying device ensures uniform guidance of the cutting tool when processing thin-walled steel pipes.



Advantages:

- Compensation of round pipe shapes
- Modular design, easy installation



Deck Cutter

Allows circular holes in sheet metal plates

By using strong magnets and a special blade holder, any DLW from 12 - 48", can be converted into a deck cutter. This mobile machine is able to cut large holes in sheet metal plates.

Advantages:

- Wide range of applications
- Very strong special magnets
- Up to a material thickness of 15 mm





Mobile hydraulic power units

Available with electric, petrol or diesel engine

Our hydraulic power packs have an infinitely variable delivery rate of 10 to 50 l/min, at 105 bar working pressure. The oil flow can be controlled by means of the selector switch or throttle lever. Therefore, it is possible to connect hand tools with a flow rate of up to 24 l/min as well as high-performance machines with 50 l/min.

Hydraulic power packs can be used with the following tools:

- Pipe beveling machines
- Pipe cutting machines
- Chisel hammers
- Water pumps
- Cut-off saws
- Drilling machines
- Core drilling machines
- Power wrenches



Properties

- Wired remote control
- On-Off Valve
- Compact, mobile design
- Extremely easy to maintain - Direct access to all parts
- Oil level indicator, temperature and oil quality indicator
- Sturdy steel frame construction
- Low oil volume

Technical data

Type	DHP18E	DHP18P	DHP19D
Drive	Electric motor	Petrol engine	Diesel engine
Power	11 kW, 400 V, 35 AMP, 50 Hz	18 HP	11 HP
Starter	-	with electric and manual start	with electric and manual start
Pressure	105 bar	105 bar	105 bar
Flow rate	10 - 50 ltr/min	10 - 50 ltr/min	10 - 50 ltr/min
Mobil	Yes	Yes	Yes
Weight	176 kg (empty)	180 kg	180 kg
Dimensions	1080 x 650 x 780 mm		



SERVICE & PRODUCT DEVELOPMENT

From product development, via maintenance, to repair



INDIVIDUAL PRODUCT DEVELOPMENT

From development, via prototypes, to series production

There is a solution for every task – this is also true for tools! If there is not yet a suitable pipe processing tool for your specific requirement, we can develop it together with you.

With the help of our development team and state-of-the-art 3D metal printing technology, we create prototypes and small series. For higher quantities, these can also be produced in series by us.

Please contact us and we will find a solution together.

YOUR ADVANTAGES

- Individual development specifically to your requirements
- Special solution with unique selling proposition
- Service directly from the manufacturer
- Production in Germany





SERVICE & MAINTENANCE

All machines, every model, fast and competent

Our products are extremely robust and reliable. To maintain performance in the long term, you should have the recommended service and maintenance intervals carried out regularly. All service and maintenance work is carried out by qualified staff with great care. We offer competent service through subsidiaries and our worldwide network of authorised partners.

YOUR ADVANTAGES

- Reduced downtime
- Maintaining the value of your machines
- Service directly from the manufacturer
- Ensuring operational availability



OUR SERVICES

- Proactive maintenance
- Cost estimates, repairs, replacement
- Pick-up service for machines
- Service training for customers
- Visual and functional check
- Carrying out modifications
- Rental machines for repair bridging with special conditions
- Functional test of the system components
- Determination and measurement of technical parameters

REAL-TIME SUPPORT WITH DATA GLASSES

With Assisted Reality (AR) we support you where you need it.

Optionally, the machines and tools can be supplied with data glasses with a mini PC. Our expert team or the respective manufacturer can be contacted at any time by scanning a barcode to receive live support at the machine. Operating instructions, sketches or photos can be implemented in the worker's field of vision to solve problems during operation, installation or maintenance.



Properties

- You or your technicians can talk directly to our experts
- The experts see directly and in real time what is happening in front of the data glasses
- Through the visual interface, our support can mark points, display texts, operating instructions, sketches or photos in the worker's field of view
- Worldwide application possible
- Portable and battery-based
- Also available with various attachment options (e.g. helmet, headband)

YOUR ADVANTAGES

- Increase the efficiency of your staff
- Reduction of long interruptions in production due to breakdowns
- Reduction of travel costs for support, maintenance or training staff
- Cost reduction/avoidance
- Flexible on-site solutions through your own staff





TOOLING

Cutting and beveling tools for
MF- and DLW-Machines



TOOLING

For pipe cutting and beveling machines

High-quality tools such as cutting tools, double-sided TiN cutting inserts, insert holders and tool holders cover all standard applications of weld seam shapes. Our tools for pipe beveling machines are made in Germany and fulfill the high requirement standards of the industry.

Tool bits MF

Our tool bits covers all standard applications of weld seam shapes, such as J-prep, internal machining, 0°, 30°, 37.5° bevel and special shapes. On customer request we manufacture special knives for individual applications. All tools are made of high-quality cutting steel and fulfill the industry's standards.

Machine type	Function	Item no.	Description	Image
MF3-25 MF4 MF3iw MF4-R	Counter bore	091502162	10° - inside short	
		091502163	8° - inside	
		091502135	10° - inside long	
	091502160	DIN 2559-4 (30°/R6/8°)		
	091502148	DIN 2559-3 (0°/R6/8°)		
	J-prep	091502154	DBS 34-R3 (0°/45°/R9/8°)	
		091502159	DBS 34-R5 (0°/R5/30°)	

Machine type	Function	Item no.	Description	Image
	Counter bore	091502185	10° - inside	
		091502186	8° - inside	
MF3i MF4 MF5 MF6i-50		091502134	DIN 2559-4 (30°/R6/8°)	
		091502133	DIN 2559-3 (0°/R6/8°)	
J-prep		091502128	DBS 34-R3 (0°/45°/R9/8°)	
		091502127	DBS 34-R5 (0°/R5/30°)	



Inserts

Our double-sided TiN inserts are coated with titanium nitride and have been proven in the industry for years. Due to the geometry and the cutting surface of the inserts, they work more reliably than conventional standard inserts. Easy changing and turning of the inserts directly on site, low costs due to longevity, less heat development during the working process and a high cutting speed increase your productivity. Our TiN inserts are suitable for several machine types and thus reduce your labour costs.

Advantages:

- TiN or duplex coated
- Easy changing and turning
- Low costs due to durability
- Less heat development



0° Insert



30/37,5° Insert



Special insert



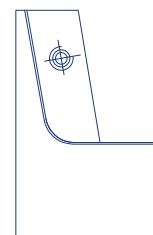
U-prep insert



Machine type	0°	30° + 37,5°	Counter bore	J-prep	
ID mount	MF2iw	091502494	091500592	-	-
	MF3iw	091501106	091501108	-	-
	MF3i	091501106	091501416	091501106	091505362
	MF4i	091501106	091501416	091501106	091505362
	MF5i	091501106	091501416	091501106	091505362
	MF6i-50	091501106	091501416	091501106	091505362
OD mount	MF3-R	091501106	091501108	-	-
	MF4-R	091501106	091501108	-	-
	MF2-25	091501106	091501108	-	-
	MF3-25 XL	091501106	091501108	-	-
	MF4	091501106	091501108	-	-

Insert holder

All insert holders are made of high-quality tool steel. The proven design ensures a perfect working process. Rigid holders and corrosion resistance ensure freedom from interference and vibration during beveling. In combination with our inserts, your working process is perfected and your labour costs and operating time will be reduced.



10° Counter bore
Item 091500665



0°, 34 mm short
Item 091501413

0°, 40 mm long
Item 091502125

37,5°
Item 91502464



37,5°/10°
Item 091505358

0°/R6/8° J-prep
Item 091505366

30°/R6/8° J-prep
Item 091505365

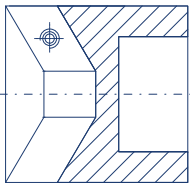
Machine type	0°	30°	37,5°	0° + 30°	37,5° / 10°	0° / 37,5°	Counter bore	J-prep
MF2iw	0° / 30° Inserts are fixed with tool holders (next page)							
MF3iw	091502138	091502136	091502268	-	-	-	-	-
MF3i	091502125 091501413	091501414	091502464	091505360	091505358	091505361	091500665	091505365 091505366
MF4i	091502125 091501413	091501414	091502464	091505360	091505358	091505361	091500665	091505365 091505366
MF5i	091502125 091501413	091501414	091502464	091505360	091505358	091505361	091500665	091505365 091505366
MF6i-50	091502125 091501413	091501414	091502464	091505360	091505358	091505361	091500665	091505365 091505366
MF3-R	Inserts are fixed with tool holders (next page)							
MF4-R	091502138	091502136	091502268	-	-	-	-	-
MF2-25	Inserts are fixed with tool holders (next page)							
MF3-25 XL	091502138	091502136	091502268	-	-	-	-	-
MF4	091502138	091502138	091502138	-	-	-	-	-



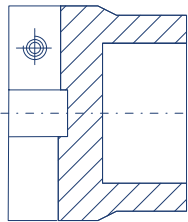
Tool holder

All tool holders are made of high-quality tool steel. The proven design ensures a perfect working process. Our holders are available in rigid or adjustable versions. By using different tools on one holder, several bevels can be made during one working step. We can also manufacture special tool holders on request.

MF2-25

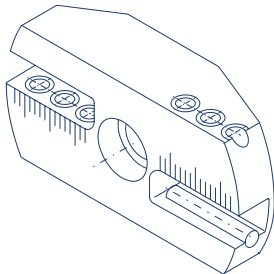


30°
ID 12 - OD 38 mm
Item 091503868



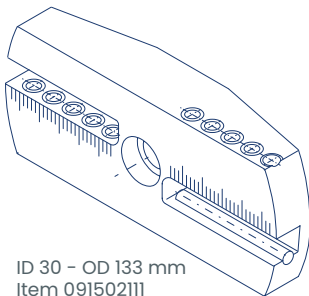
0°
ID 10 - OD 38 mm
Item 091504432

MF4-R

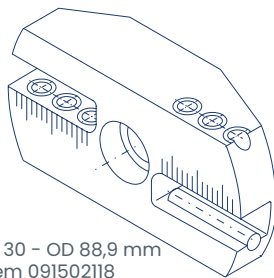


ID 30 - OD 88,9 mm
Item 091502118

MF4

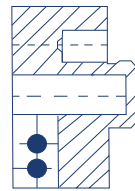


ID 30 - OD 133 mm
Item 091502111

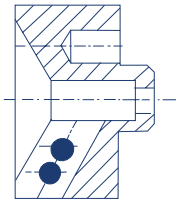


ID 30 - OD 88,9 mm
Item 091502118

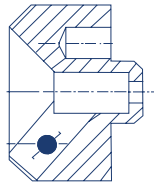
MF3-R



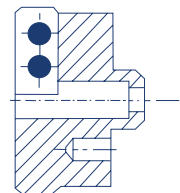
0°
ID 5 - OD 45 mm
Item 091502825



30°
ID 12 - OD 45 mm
Item 091502824



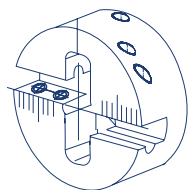
45°
ID 8 - OD 32 mm
Item 091502999



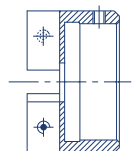
Special tool holder
Item 091502870



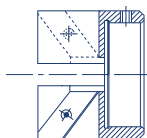
MF2iw



Special tool holder
ID 11 - OD 22 mm
Item 091505328



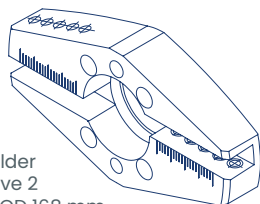
Pipe cutter 0°
ID 11 - OD 22 mm
Item 091505347



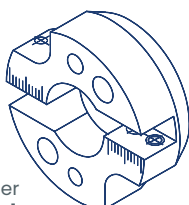
Pipe cutter 30°
ID 11 - OD 22 mm
Item 091505348



MF3

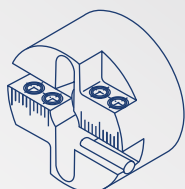


Tool holder
for sleeve 2
ID 40 - OD 168 mm
Item 09152139

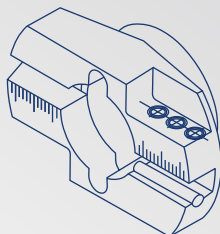


Tool holder
for sleeve 1
ID 25 - OD 84 mm
Item 091502144

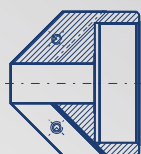
MF3iw



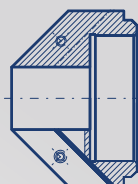
Tool holder
ID 16 - OD 62 mm
Item 091502166



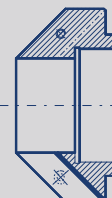
Tool holder
ID 25 - OD 114,3 mm
Item 091503447



Pipe cutter 45°
ID 16 - OD 56 mm
Item 010007080



Pipe cutter 45°
ID 25 - OD 66 mm
Item 010007079



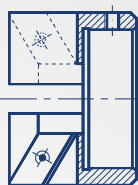
Pipe cutter 45°
ID 40 - OD 82 mm
Item 091501107



Pipe cutter 0°
ID 16 - OD 56 mm
Item 091501113



Pipe cutter 0°
ID 25 - OD 64 mm
Item 091501114



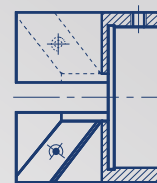
Pipe cutter 30°
ID 25 - OD 58 mm
Item 091501102



WP-Pipe cutter 0°
ID 40 - OD 104 mm
Item 091501104



Pipe cutter 30°
ID 40 - OD 78 mm
Item 091501103

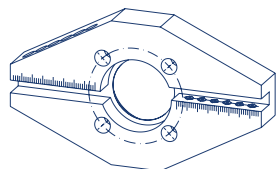


Pipe cutter 30°
ID 16 - OD 50 mm
Item 091501101



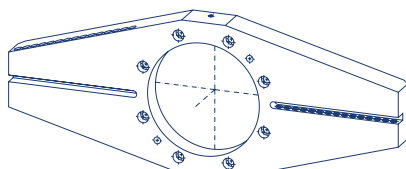
Pipe cutter 30°
ID 70 - OD 103 mm
Item 091501112

MF4i



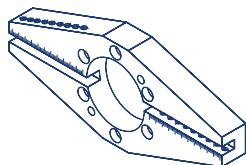
Tool holder
ID 58 - OD 219,1 mm
Item 091505605

MF6i-50

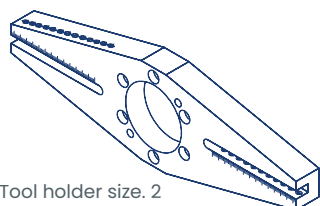


Tool holder
ID 280 - OD 711 mm
Item 091503168

MF5i



Tool holder size. 1
ID 100 - OD 330 mm
Item 091506031



Tool holder size. 2
ID 176 - OD 460 mm
Item 091506032



BOILER TUBE FIN REMOVAL

Boiler tube fin removal tool

The fin removal tools are used for weld prep of boiler tube panels. Different bevel tools are combined in the tool holder to achieve the perfect result in weld preparation of the boiler tube panel. In just one operation the fin along the pipe can be removed and the boiler tube is beveled. This saves time in production and provides a perfect basis for high quality welding.

For model MF2-25

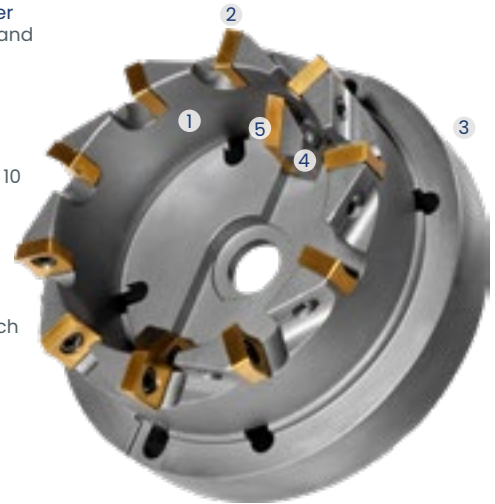
Pipe - Ø (mm)	1 TT crown milling cutter	2 Pieces TT 0° 91502494	3 Basic holder	4 TT holder 30°	5 TT 30°
20,0	091503973	4			
21,3	091503972	4			
25,0	091503971	6			
26,9	091503969	6			
28,6	091504440	6			
30,0	091502588	6	091503974	091502483	091502495
31,8	091502484	6			
33,7	091502467	6			
35,0	091502485	6			
38,0	091502457	6			



Structure of Boiler tube fin removal tool

All required components at a glance

- 1 TT crown milling cutter
incl. Knox M4 screws and
four M5 x 25 screws
- 2 Tool tip 0°
Item 91502494
- 3 Basic holder
incl. thread-pin M8 x 10
- 4 Tool tip holder 30°
incl. one Knox M4 each
and M5 x 20 screw
Item 091502483
(2 pcs. required per
crown cutter)
- 5 Tool tip 30°
(1 pc. per TT holder)
Item 091502495



For model MF3-25 XL

Pipe - Ø (mm)	1 TT crown milling cutter	2 Pieces TT 0° 91502494	3 Basic holder	4 TT holder 30°	5 TT 30°
30,0	091502588	6			
31,8	091502484	6			
33,7	091502467	6			
35,0	091502485	6	091502458 (Size 1) or		
38,0	091502457	6	091502460 (Size 2)		
42,4	091502486	6			
44,5	091502487	6		091502483	091502495
48,3	091502488	8			
51,0	091502489	8			
57,0	091502459	8			
60,3	091502490	8	091502460 (Size 2)		
63,5	091502491	10			

For model MF4

Pipe - Ø (mm)	1 TT crown milling cutter	2 Pieces TT 0° 91502494	3 Basic holder	4 TT holder 30°	5 TT 30°
44,5	091502487	6			
48,3	091502488	8			
51,0	091502489	8			
57,0	091502459	8			
60,3	091502490	8	091502479	091502483	091502495
63,5	091502491	10			
70,0	091502492	10			
76,1	091502493	10			

Replacement parts

Item	Description
091502468	Knox M4 screw (1 pc. per TT)
000488737	M5 x 20 Screws 4 pc.
000983010	M5 x 20 screws (1 pc. per TT holder)
091500642	M8 x 10 Thread-pin (1 pc. per basic holder)

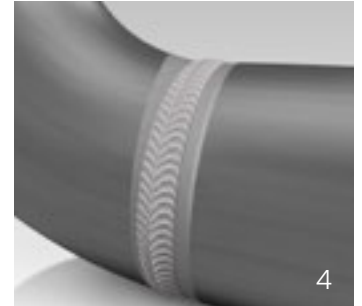
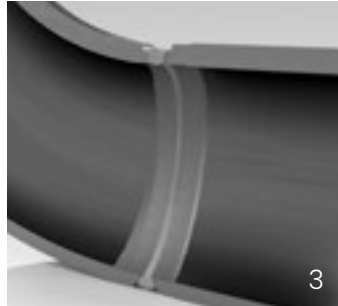
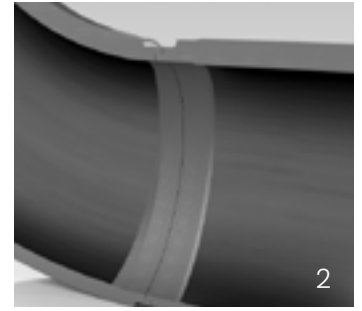
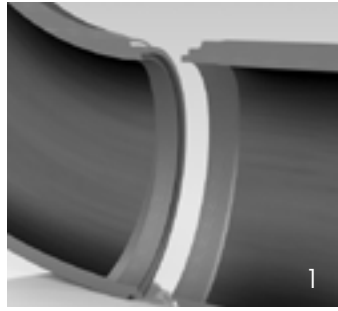


EASY-TO-FIT

The future of weld seam preparation for pipes

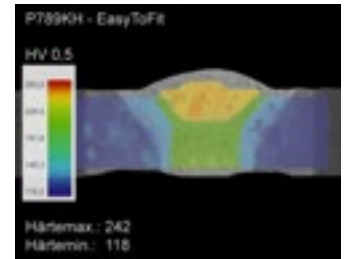
Easy-to-Fit is a small investment in an intelligent pipe preparation system that ensures greater efficiency, higher profitability and higher process stability. Especially in automatic orbital welding, the weld preparation of the pipes is very complex. The weld seams to each other require a welding gap that only allows very small deviations. Large deviations at the root surface must be reduced to a minimum. This requires a great deal of effort to align and position the pipes to each other. The permitted deviations in the standard process thus often lead to misalignment of the pipes. But this system also offers great advantages for manual welding.

- Reduction of the costs for the production of a weld seam
- No more alignment, pipes are „ready for welding“.
- Can be reliably repeated - Process stability
- Welding material can be spared
- Perfect welding work regardless of the qualification of the worker

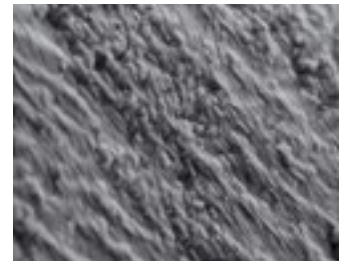


Scientific analysis

Improvements through automatic beveling and welding processes have been demonstrated by IFS and the Technical University of Chemnitz.



Hardness analysis



Higher breaking strength of the weld

Easy-to-fit crown cutter

- The patented tool solution for easy-to-fit weld preparation
- Consisting of insert holder and inserts
- Suitable for pipe beveling machines MF3-25, MF3-25 XL, MF4





CUTTING TOOLS

Developed in cooperation with German universities, our cutting tools provide outstanding results for cutting and machining pipes:

- TiN or duplex coated
- High cutting performance
- Robust TT holders
- Lower costs of cutting tools through the use of inserts



Tool tip holder
60 & 80 mm cutting off

Item	Description
091505182	Tool tip holder 30° RH (2x Tool tips 091501416 needed)
091505183	Tool tip holder 37,5° RH (2x Tool tips 091501416 needed)
091505184	Tool tip holder 37,5°/10° RH (4x Tool tips 091501416 needed)
091505185	Tool tip holder 80 mm cutting off
091505187	Tool tip holder 60 mm cutting off
091505186	Tool tip 60 & 80 mm cutting off
091501416	Tool tip holder 30° and 37,5° RH



CUTTING TOOLS HSS

Item	Description
091503978	Beveling tool 30° RH
091503980	Beveling tool 37,5° RH
091504587	Beveling tool 37°/10° RH
091503975	Cutting tool set 45 mm cutting off
091503976	Cutting tool set 50 mm cutting off
091503977	Cutting tool set 80 mm cutting off



SPECIAL MACHINES

Cutting, beveling and drilling machines pipe machining solutions



CPC-B

Chain guided pipe cutting and beveling machine for pipes up to OD 7.010 mm (276")

The model type CPC-B offers a versatile solution for almost all cutting and beveling applications. The machine convinces in the most difficult conditions and can even be used under water (requires optional corrosion protection).

The pipe cutting and beveling machine is capable of cutting wall thicknesses of up to 50 mm, beveling high-strength stainless steel pipes and working under extreme temperatures.

Available in hydraulic and pneumatic options, the machines cut and bevel most machinable materials, including carbon steel, stainless steel, ductile iron, cast iron and most other alloys without sparks or flames.



Advantages

- Equipped as standard with two-speed transmission with adjustable speed control and reverse gear
- Out-of-roundness compensation not required
- Compressed air and hydraulic drives available for use in non-sparking environments
- Can bevel high-strength stainless steel tubes

Weight	235 kg (pneumatics) 216 kg (hydraulics)
Standard working range	8" (203 mm) - 72" (1.828 mm)
Max. working range*	6" (150 mm) - 276" (7.010 mm)
Max. wall-thickness	2" (50 mm)
Power	2,75 kW (pneumatics) 4 kW (hydraulics)
Cutting speed	Up to 60 mm per minute
Factory tolerance	+0,5 mm when used with optional guide chain

* Longer chains or wheel kits are needed





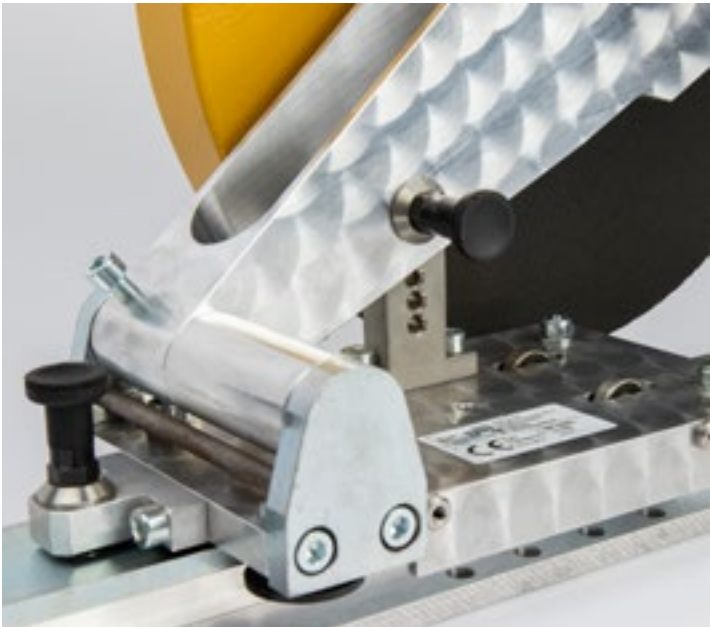
Boiler panel cutting system type BWC

The heat-affected zone as well as the rework, in contrast to flame cutting, is significantly reduced. For maintenance and inspection, boiler manufacturers use a membrane wall cutting system in boiler technology. During maintenance and inspection, boiler use a membrane wall separation system there. This makes tube end preparation on the fin tubes faster and more effective. A heat-affected zone is avoided, thus reducing costly expensive rework. The system increases safety at the workplace through stable guidance of the cutting tool and reduces wear of the cutting discs through precise guidance. The entire system is guided by a smooth-running tool slide. The advantages of the panel wall saw are increased work safety, less reworking, less wear on the cutting disc and high productivity due to faster cutting.

- Equipped with pneumatic or electric motor
- Cut membrane walls quickly & effectively
- High productivity and cutting quality
- Less rework
- No heat-affected zone
- Higher safety of operator



Specifications	BWC Electric	BWC Pneumatic
Max. pipe diameter OD [mm]	76,1	76,1
Depth of cut with new cutting blade [mm]	87	85
Total length guide rail [m]	4,5	4,5
Length guide rail [m]	1,5	1,5
Weight guide rail [kg]	13	13
Nominal input [W]	2.500	-
Power[W]	1.700	4.400
Idle speed [rpm]	6.600	5.900
Diameter cutting blade [mm]	230	355
Air hose connection	-	3/4"
Air consumption [m³/min]	-	3,6





PipeCut Infinity

- Ideal for cutting all pipe materials
- For outside pipe diameters between 460 mm and 3.000 mm (18" - 120")
- Standard equipment includes chains for a range from 460 mm to 1.850 mm (18" - 72.83")

Weight	5,7 kg
Cutting range	460 - ∞ mm
Max. wall-thickness	20 mm iron / steel 50 mm plastics
Suitable for	All materials

Technical data

Voltage / Power	220-240V 2.500W 12A
No-load speed	1.900- 2.885 rpm
Ø Blade diameter	140, 165, 180, 190 mm
Mounting bore	62 mm



Scope of delivery

- PipeCut Infinity
- 2 carrier bags
- TCT 165 saw blade
- Clamping device with crank
- Operating instructions
- Hexagon socket 5 mm & 2 mm
- Chain segments (for a range from 460 mm to 1.850 mm)
2 x 2 m, 1 x 1 m, 1 x 0,5 m, 2 x 0,2 m, 1 x 0,1 m)





RECOMMENDED ACCESSORIES

For pipe handling and welding



Oxygen monitor Oxy-Pro

Measuring range 5 - 999 ppm O₂

- Suitable for inert gases and gases with a hydrogen content of max. 10 %
- Temperature controlled zirconium sensor
- USB interface for storing parameter sets
- Documentation of residual oxygen value, date, time value and name of the project
- Illuminated LED display with simple menu navigation
- Parameter input via keyboard
- Maintenance-free measuring cell made of zirconium oxide
- Long service life through intelligent cell management
- Freely adjustable working range
- Reminder of the validation process
- Robust plastic housing with protective rubber frame



Item no.	Description
RG350520	Oxygen monitor Oxy-Pro

Pipe purge system suitcase set

Suitable for internal pipe diameter 25 mm - 165 mm

- Handy complete set with pipe purge sealing discs and base unit (200 mm)
- Replaceable sealing discs
- Incl. 10 m stainless steel cable, 10 m hose, coupling and accessories
- High-quality and durable case made from a sustainable mix of materials



Item no.	Description	Internal pipe diameter mm
RG350139	Pipe purge system suitcase set	25 - 165 mm

Steel pipe welding clamps

Clamping Range: 25 - 355 mm (1 - 14")

- For centering and aligning the pipes to be welded
- Easy assembly

Item no.	Description	Range OD Inch	Range OD mm	Weight kg
RG350004	Pipe clamp DWT S13 steel	1 - 3	25 - 76	1,5
RG350005	Pipe clamp DWT S25 steel	2 - 5	51 - 127	3,1
RG350006	Pipe clamp DWT S47 steel	4 - 7	102 - 177	3,3
RG350007	Pipe clamp DWT S59 steel	5 - 9	127 - 228	6,9
RG350008	Pipe clamp DWT S1014 steel	10 - 14	254 - 355	9,0



Single pipe chain clamp

Clamping ranges: 203,2 - 1.524 mm (8 - 60")

- Max. Wall thickness: 12,7 mm
- The chain can be adapted to the respective pipe dimension by removing the chain links and alignment levers

Item no.	Description	Range OD Inch	Range OD mm	Number jack-bars	Weight kg
RG350040	Single pipe chain clamp	8 - 10	203 - 254	5	8,3
RG350041		8 - 12	203 - 304	6	9,5
RG350042		8 - 16	203 - 406	7	10,6
RG350043		8 - 20	203 - 508	9	13,0
RG350045		8 - 28	203 - 711	13	17,7
RG350046		8 - 32	203 - 812	14	18,8
RG350047		8 - 36	203 - 914	16	21,2
RG350048		8 - 40	203 - 1.016	18	23,5
RG350050		8 - 48	203 - 1.219	21	27,0
RG350051		8 - 52	203 - 1.320	23	29,4
RG350052		8 - 56	203 - 1.422	25	31,7
RG350053		8 - 60	203 - 1.524	26	32,9

Pipe stand foldable

Foldable, for mobile use

All pipe stands are supplied as standard with a V-head and safety ring to prevent unexpected collapse and injury. The foldable version with carrying handle makes it easy to put down and transport. The load capacity of the pipe stand is 1.500 kg. In addition, the heads are interchangeable and different sets of rollers are available.

- Quick lock washer for fast height positioning
- Safety adjusting screw
- Adjusting screw for locking the V-head
- Delivery incl. V-head

Item no.	Description	Weight kg	Height Inch	Height mm	Load capacity kg
RG350300	Pipe stand foldable	12	33.5 - 49.2	850 - 1.250	1.500



NPS TABLE

NPS	DN	OD [inc (mm)]	Wall thickness in inches (mm)							
			SCH 5s	SCH 10s/20	SCH 30	SCH 40s/40/STD	SCH 80s/80/XS	SCH 120	SCH 160	XXS
1/8	6	0.404 (10.26)	0.035 (0.889)	0.049 (1.245)	0.057 (1.448)	0.068 (1.727)	0.095 (2.413)	-	-	-
1/4	8	0.540 (13.72)	0.049 (1.245)	0.065 (1.651)	0.073 (1.854)	0.088 (2.235)	0.119 (3.023)	-	-	-
3/8	10	0.675 (17.15)	0.049 (1.245)	0.065 (1.651)	0.073 (1.854)	0.091 (2.311)	0.126 (3.200)	-	-	-
1/2	15	0.840 (21.34)	0.065 (1.651)	0.083 (2.108)	0.095 (2.143)	0.109 (2.769)	0.147 (3.734)	-	0.188 (4.775)	0.294 (7.468)
3/4	20	1.050 (26.67)	0.065 (1.651)	0.083 (2.108)	0.095 (2.143)	0.113 (3.378)	0.154 (3.912)	-	0.219 (5.563)	0.308 (7.823)
1	25	1.315 (33.40)	0.065 (1.651)	0.109 (2.769)	0.114 (2.896)	0.133 (3.378)	0.179 (4.547)	-	0.250 (6.350)	0.358 (9.093)
1 1/4	32	1.660 (42.16)	0.065 (1.651)	0.109 (2.769)	0.117 (2.972)	0.140 (3.556)	0.191 (4.851)	-	0.250 (6.350)	0.382 (9.703)
1 1/2	40	1.900 (48.26)	0.065 (1.651)	0.109 (2.769)	0.125 (3.175)	0.145 (3.683)	0.200 (5.080)	-	0.281 (7.137)	0.400 (10.160)
2	50	2.375 (60.33)	0.065 (1.651)	0.109 (2.769)	0.125 (3.175)	0.154 (3.912)	0.218 (5.537)	0.250 (6.350)	0.344 (8.738)	0.436 (11.074)
2 1/2	65	2.875 (73.03)	0.083 (2.108)	0.120 (3.048)	0.188 (4.775)	0.203 (5.156)	0.276 (7.010)	0.300 (7.620)	0.375 (9.525)	0.552 (14.021)
3	80	3.500 (88.90)	0.083 (2.108)	0.120 (3.048)	0.188 (4.775)	0.216 (5.486)	0.300 (7.620)	0.350 (8.890)	0.438 (11.125)	0.600 (15.240)
3 1/2	90	4.000 (101.60)	0.083 (2.108)	0.120 (3.048)	0.188 (4.775)	0.226 (5.740)	0.318 (8.077)	-	-	0.636 (16.154)

NPS	DN	OD [inch (mm)]	Wall thickness in inches (mm)											
			SCH 5	SCH 10s/10	SCH 20	SCH 30	SCH 40s/40 STD	SCH 60	SCH 80s/80/XS	SCH 100	SCH 120	SCH 140	SCH 160	XXS
4	100	4.500 (114.30)	0.083 (2.108)	0.120 (3.048)	-	0.188 (4.775)	0.237 (6.020)	-	0.337 (8.560)	-	0.437 (11.100)	-	0.531 (13.487)	0.674 (17.120)
4 1/2	115	5.000 (127.00)	-	-	-	-	0.247 (6.274)	-	0.355 (9.017)	-	-	-	-	0.710 (18.034)
5	125	5.563 (141.30)	0.109 (2.769)	0.134 (3.404)	-	-	0.258 (6.553)	-	0.375 (9.525)	-	0.562 (14.275)	-	0.625 (15.875)	0.750 (19.050)
6	150	6.625 (168.28)	0.109 (2.769)	0.134 (3.404)	-	-	0.280 (7.112)	-	0.432 (10.973)	-	0.500 (12.700)	-	0.719 (18.263)	0.864 (21.946)
7	-	7.625 (193.68)	-	-	-	-	0.301 (7.645)	-	0.500 (12.700)	-	-	-	-	0.875 (22.225)
8	200	8.625 (219.08)	0.109 (2.769)	0.148 (3.759)	0.250 (6.350)	0.277 (7.036)	0.322 (8.179)	0.406 (10.312)	0.500 (12.700)	0.593 (15.062)	0.719 (18.263)	0.812 (20.625)	0.875 (22.225)	-
9	-	9.625 (244.48)	-	-	-	-	0.342 (8.687)	-	0.500 (12.700)	-	-	-	-	-

NPS	DN	OD [inch (mm)]	Wall thickness in inches (mm)						
			SCH 5s	SCH 5	SCH 10s	SCH 10	SCH 20	SCH 30	SCH STD/40s
10	250	10.75 (273.05)	0.134 (3.404)	0.134 (3.404)	0.165 (4.191)	0.165 (4.191)	0.250 (6.350)	0.307 (7.798)	0.365 (9.271)
12	300	12.75 (323.85)	0.156 (3.962)	0.156 (3.962)	0.180 (4.572)	0.180 (4.572)	0.250 (6.350)	0.330 (8.382)	0.375 (9.525)
14	350	14.00 (355.60)	0.156 (3.962)	0.156 (3.962)	0.188 (4.775)	0.188 (4.775)	0.312 (7.925)	0.375 (9.525)	0.375 (9.525)
16	400	16.00 (406.40)	0.165 (4.191)	0.165 (4.191)	0.188 (4.775)	0.188 (4.775)	0.312 (7.925)	0.375 (9.525)	0.375 (9.525)
18	450	18.00 (457.20)	0.165 (4.191)	0.165 (4.191)	0.188 (4.775)	0.188 (4.775)	0.312 (7.925)	0.437 (11.100)	0.375 (9.525)
20	500	20.00 (508.00)	0.188 (4.475)	0.188 (4.475)	0.218 (5.537)	0.218 (5.537)	0.375 (9.525)	0.500 (12.700)	0.375 (9.525)
22	550	22.00 (558.80)	0.188 (4.475)	0.188 (4.475)	0.218 (5.537)	0.218 (5.537)	0.375 (9.525)	0.500 (12.700)	0.375 (9.525)
24	600	24.00 (609.60)	0.218 (5.537)	0.218 (5.537)	0.250 (6.350)	0.250 (6.350)	0.375 (9.525)	0.562 (14.275)	0.375 (9.525)

NPS	DN	Wall thickness in inches (mm)							
		SCH 40	SCH 60	SCH 80s/XS	SCH 80	SCH 100	SCH 120	SCH 140	SCH 160
10	250	0.365 (9.271)	0.500 (12.700)	0.500 (12.700)	0.593 (15.062)	0.718 (18.237)	0.843 (21.412)	1.000 (25.400)	1.125 (28.575)
12	300	0.406 (10.312)	0.562 (14.275)	0.500 (12.700)	0.687 (17.450)	0.843 (21.412)	1.000 (25.400)	1.125 (28.575)	1.312 (33.325)
14	350	0.437 (11.100)	0.593 (15.062)	0.500 (12.700)	0.750 (19.050)	0.937 (23.800)	1.093 (27.762)	1.250 (31.750)	1.406 (35.712)
16	400	0.500 (12.700)	0.656 (16.662)	0.500 (12.700)	0.843 (21.412)	1.031 (26.187)	1.218 (30.937)	1.437 (36.500)	1.593 (40.462)
18	450	0.562 (14.275)	0.750 (19.050)	0.500 (12.700)	0.937 (23.800)	1.156 (29.362)	1.375 (34.925)	1.562 (39.675)	1.781 (45.237)
20	500	0.593 (15.062)	0.812 (20.625)	0.500 (12.700)	1.031 (26.187)	1.280 (32.512)	1.500 (38.100)	1.750 (44.450)	1.968 (49.987)
22	550	-	0.875 (22.225)	0.500 (12.700)	1.125 (28.575)	1.375 (34.925)	1.625 (41.275)	1.875 (47.625)	2.125 (53.975)
24	600	0.687 (17.450)	0.968 (24.587)	0.500 (12.700)	1.218 (30.937)	1.531 (38.887)	1.812 (46.025)	2.062 (52.375)	2.343 (59.512)

NPS	DN	OD [inch (mm)]	Wall thickness in inches (mm)						
			SCH 5s	SCH 10s	SCH 10	SCH 20	SCH 30	SCH 40s/STD	SCH 40
26	650	26.000 (660.400)	-	-	0.312 (7.925)	0.500 (12.700)	-	0.375 (9.525)	-
28	700	28.000 (711.200)	-	-	0.312 (7.925)	0.500 (12.700)	0.625 (15.875)	0.375 (9.525)	-
30	750	30.000 (762.000)	0.250 (6.350)	0.312 (7.925)	0.312 (7.925)	0.500 (12.700)	0.625 (15.875)	0.375 (9.525)	-
32	800	32.000 (812.800)	-	-	0.312 (7.925)	0.500 (12.700)	0.625 (15.875)	0.375 (9.525)	0.688 (17.475)
34	850	34.000 (863.600)	-	-	0.312 (7.925)	0.500 (12.700)	0.625 (15.875)	0.375 (9.525)	0.688 (17.475)
36	900	36.000 (914.400)	-	-	0.312 (7.925)	0.500 (12.700)	-	0.375 (9.525)	-



DO YOU ALREADY KNOW?

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VR EXPERIENCE

Experience our products virtually in 3D. Our VR showroom enables product demonstrations or even training courses, of a variety of DWT machines.

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