



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	• Shell and Pipe heat exchanger • Box header • HVAC fin heat exchanger	MF2-25 / MF3-25 / MF3iw / MF2iw
Power stations	• Membrane wall • High-pressure pipeline • Collector	BWC / MF2-25 / MF3-25 / MF3iw / MF3i / MF4i / MF5i / MF6i-50 / DLW
Pipe production / suppliers	• Pipe edge preparation for all branches of industry	MF5 / MF6i-50



Areas	Applications	DWT Pipe Tools Solutions
Pipeline construction, chemical industry, refinery	• All piping • All materials	DLW, all internal clamping pipe beveling machines (excl. MF2iw)
Machinery and plant engineering	• 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	• Pipeline construction • Supply line made of cement, concrete, cast iron, steel & PVC/PE	DLW CPC / CPC-B
Shipyards	• 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

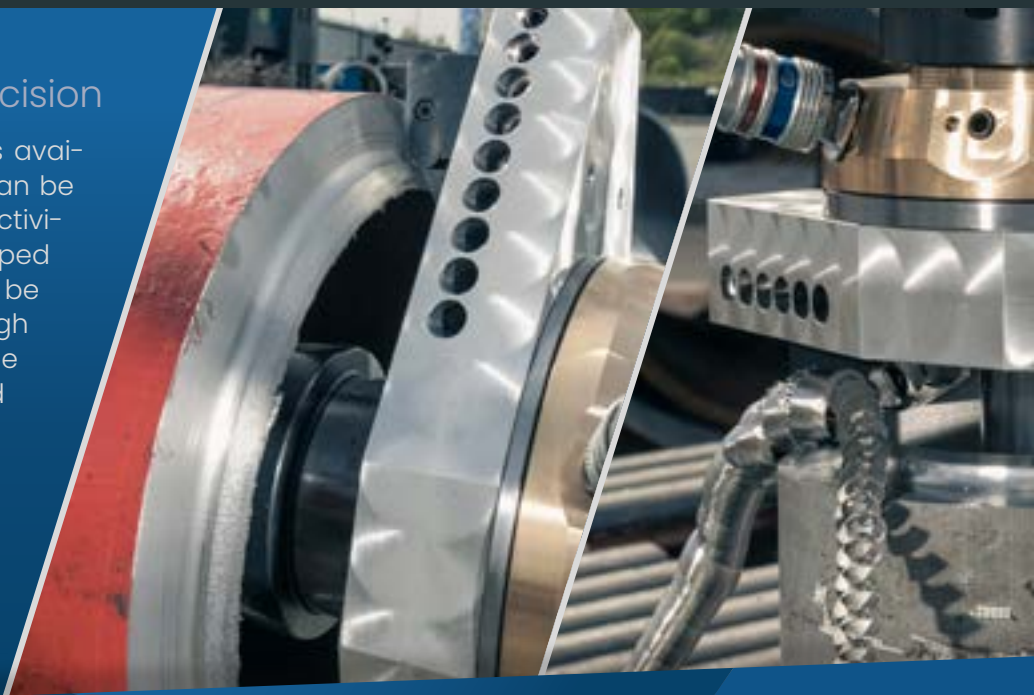
Mechanical beveling of pipe ends and clean weld seam preparation are a must in industrial pipeline construction.

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	MF3iw-S*	MF3iw-M*	MF3iw-L*	MF3i*	MF4i*	MF5i*	MF6i-50*
Working range ID-OD (mm)	16 - 50	25 - 76	25 - 114,3	40 - 168,3	60 - 219,1	100 - 323,9 (460)	280 - 711
Working range ID-OD (Inch)	0,62 - 2,0	0,98 - 2,99	0,98 - 4,5	1,57 - 6,6	2,28 - 8,6	3,93 - 12,75 (18,1)	11 - 28,0
Clamping range ID-ID (mm)	16 - 40	25 - 66	25 - 96	25 - 152	58 - 217	100 - 320 (430)	280 - 700
Clamping range ID-ID (Inch)	0,62 - 1,57	0,98 - 2,59	0,98 - 3,78	0,98 - 5,98	2,3 - 8,5	3,94 - 12,59 (16,5)	11 - 27,5
Wall thickness (mm)	max. 10	max. 10	max. 15	max. 25	max. 25	max. 30	max. 30
Feed (mm)	20	20	20	15	30	30	50
Torque	256 Nm	256 Nm	256 Nm	256 Nm	398 Nm	398 Nm	590 Nm
Idle speed	adjustable	adjustable	adjustable	adjustable	adjustable	adjustable	adjustable
Weight (kg)**	5,8	5,8	5,8	10,3	17,9	23,8	79
Pneumatic motor (kW)	0,85	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	1,5	2,3	2,3	/
Pneumatic motor	✓	✓	✓	✓	✓	✓	✓
Electric motor	✓	✓	✓	✓	✓	✓	
Hydraulic motor						✓	✓

*Depending on the combination of machine/tooling and pipe diameter/material. **Weight with pneumatic motor.





MF3iw-S / MF3iw-M

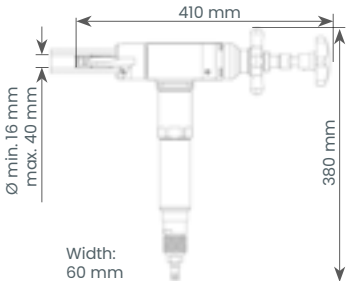
Working range ID-OD:
Model S: 16 - 50 mm
Model M: 25 - 76 mm

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)

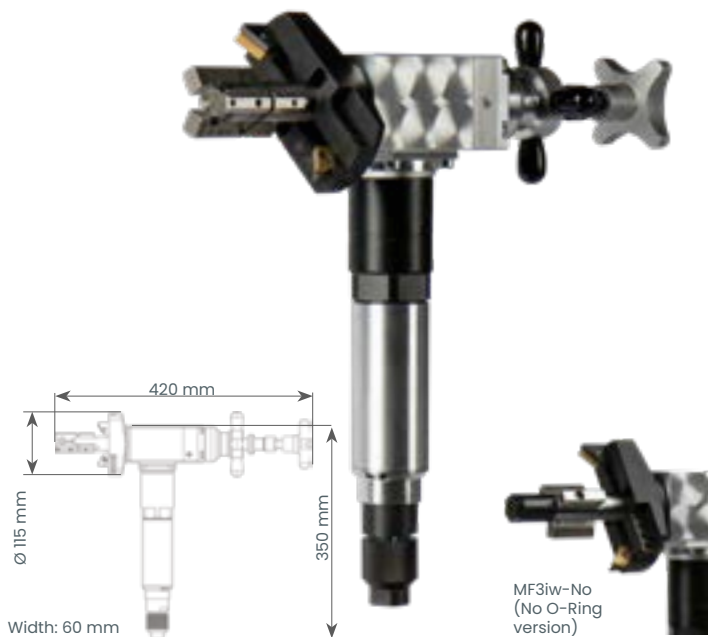


Technical data	MF3iw-S		MF3iw-M	
Clamping range ID-ID	16 - 40 mm	0,62 - 1,57"	25 - 66 mm	0,98 - 2,59"
Working range ID-OD	16 - 50 mm	0,62 - 2,0"	25 - 76 mm	0,98 - 2,99"
Max. wall-thickness	10 mm	0,39"	10 mm	0,39"
Feed	20 mm	0,79"	20 mm	0,79"
Weight with pneumatic motor	5,8 kg	12,8 lb	5,8 kg	12,8 lb
Weight with electric motor	7,0 kg	15,4 lb	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		



Technical data

Clamping range ID-ID	25 - 96 mm	0,98 - 3,78"
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	

MF3iw-L

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



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



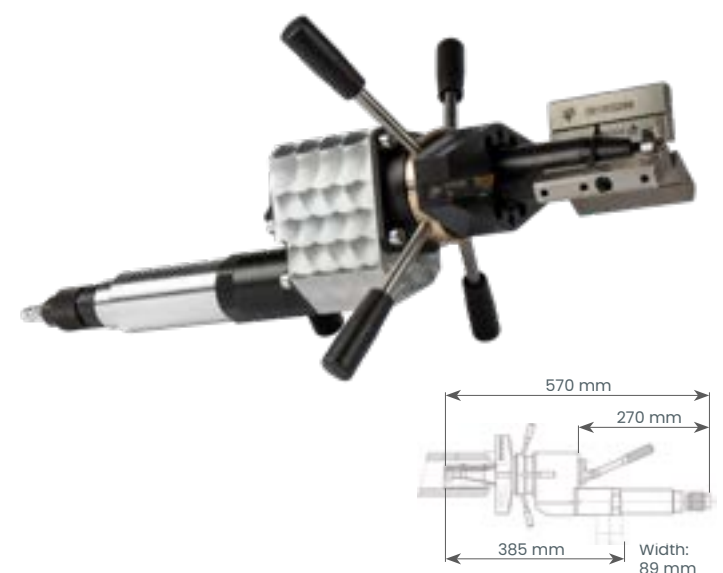
Technical data

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	850 W	1,2 PS	
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: 60 - 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.

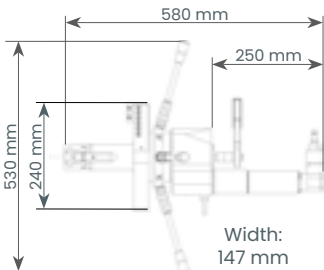
Optional accessories



Tooling
(from p. 32)



Special tool for
elbow beveling



Technical data

Clamping range ID-ID	58 - 217 mm	2,3 - 8,5"
Working range ID-OD	60 - 219,1 mm	2,36 - 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

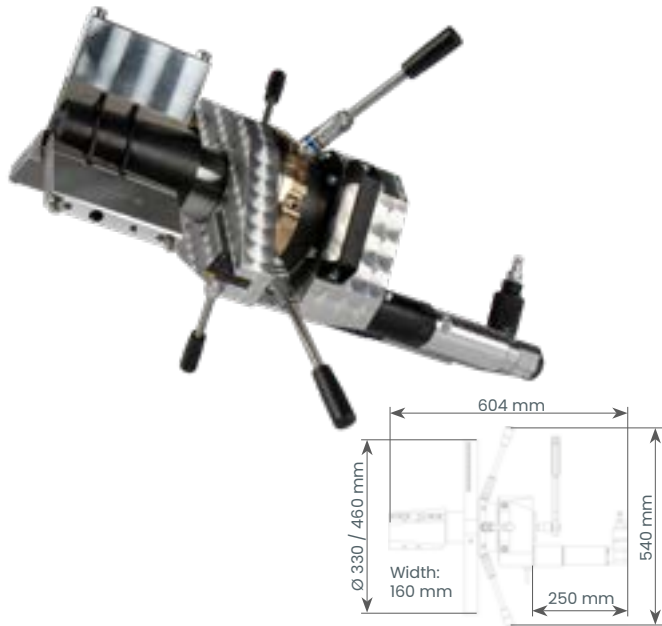
2 Pneumatic motors

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)	3,3 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	

MF5i

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



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)	3,3 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	

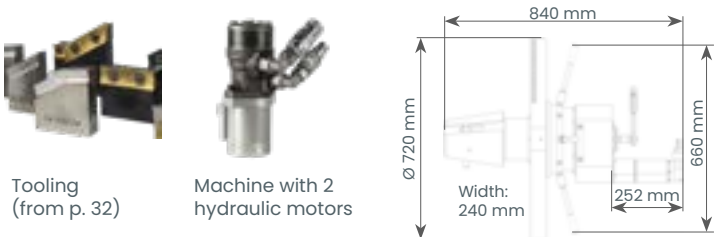
MF6i-50

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 30 mm. A powerful motor, a long service life and first-class tools optimise your work process.



Optional accessories



Technical data

Clamping range ID-ID	280 - 700 mm	11,02 - 27,5"
Working range ID-OD	280 - 711 mm	11,02 - 28,0"
Max. wall-thickness	30 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	

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

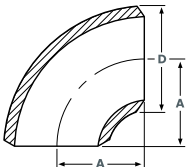
Special inserts for internal clamping pipe beveling machines

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	01505662	MF3i	43 - 106 mm	60,5 - 114 mm (2 - 4")
TE80	01505663	MF3i	102 - 153 mm	114,3 - 160 mm (4 - 6")
TE120	01506050	MF4i**	124 - 203 mm	168,1 - 219 mm (6 - 8")
TE160	01505664	MF5i**	216 - 310 mm	273 - 332 mm (10 - 12")
TE250	1505665	MF5i	273 - 455 mm	323,9 - 460 mm (12 - 18")



Pipe bends must have these dimensions to use the equipment*.

- * For bends A=D or larger
- ** Including special clamping jaws



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)	0,5 - 1,75	1,90 - 3,5	0,78 - 1,5	0,78 - 2,9	1,49 - 5,23
Working range ID-OD (mm)	12,5 - 44,5	26 - 88,9	10 - 38	10 - 76,1	25 - 133
Working range ID-OD (Inch)	0,49 - 1,75	1,02 - 3,5	0,39 - 1,5	0,39 - 2,9	0,98 - 5,23
Wall thickness (mm)	max. 10	max. 10	max. 15	max. 15	max. 15
Feed (mm)	15	15	25	25	15
Torque	256 Nm	256 Nm	256 Nm	256 Nm	256 Nm
Idle speed	adjustable	adjustable	adjustable	adjustable	adjustable
Weight (kg)**	4,8	7,0	6,4	8,8	14,2
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				✓	✓

*Depending on the combination of machine/tooling and pipe diameter/material. **Weight with pneumatic motor.





MF3-R

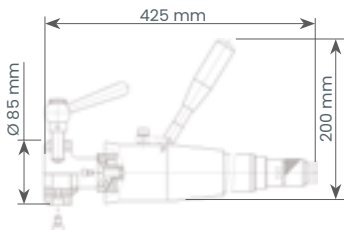
Clamping range OD-OD: 12 - 44,5 mm

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	12,5 - 44,5 mm	0,49 - 1,75"
Clamping range OD-OD	12 - 44,5 mm	0,5 - 1,75"
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

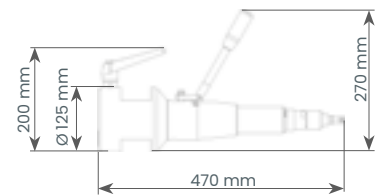
The MF4-R is used for beveling pipe ends or membrane walls. Due to its low weight, the machine can be operated by only one person and is suitable for both workshop and construction site use. The MF4-R pipe beveling machine can be optionally equipped with a pneumatic or an electric motor.



Optional accessories



Tooling
(from p. 32)



Technical data

Working range ID-OD	26 - 88,9 mm	1,02 - 3,5"
Clamping range OD-OD	48,3 - 88,9 mm	1,9 - 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	
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	

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.



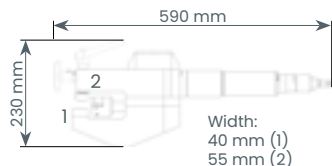
Optional accessories



Tooling
(from p. 32)



Indexable insert
crown miller
cutter



Technical data

Working range ID-OD	10 - 38 mm	0,39 - 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 10 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



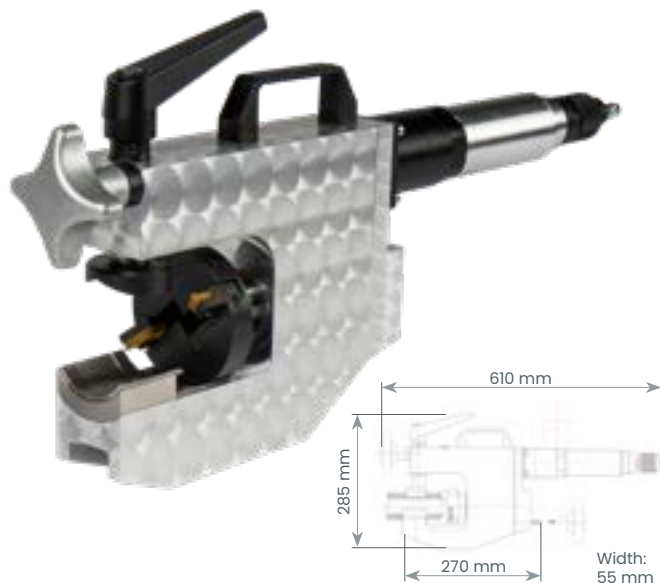
Easy-to-fit
solution



Angle motor

Technical data

Working range ID-OD	10 - 76,1 mm	0,39 - 2,9"
Clamping range OD-OD	20 - 76,1 mm	0,78 - 2,9"
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



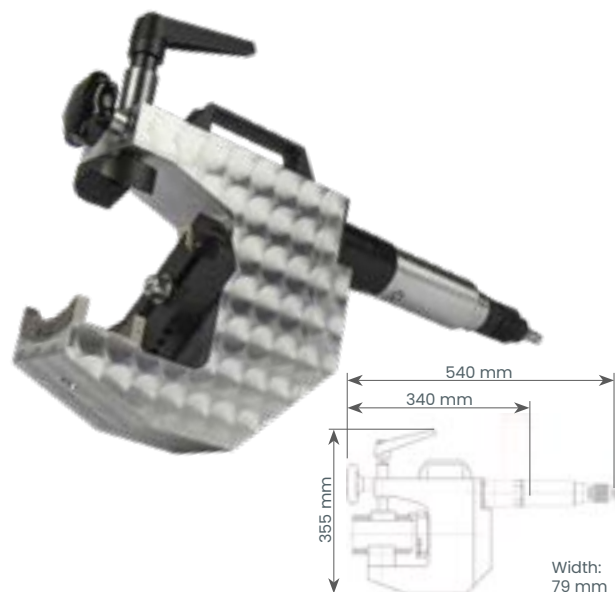
Easy-to-fit
solution



Angle motor

Technical data

Working range ID-OD	25 - 133 mm	0,98 - 5,2"
Clamping range OD-OD	38 - 133 mm	1,49 - 5,2"
Max. wall-thickness	25 mm	0,98"
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	



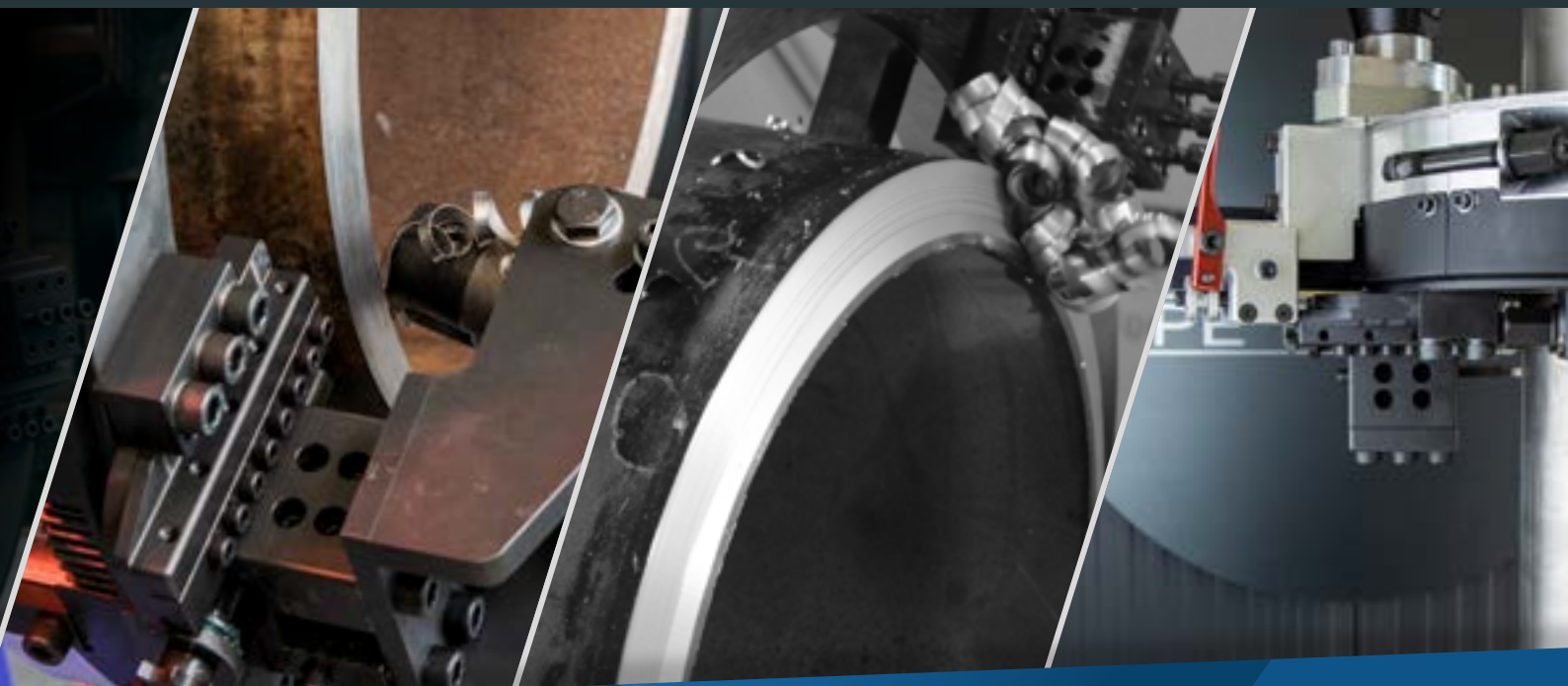
PIPE CUTTING AND BEVELING MACHINES

The portable DLW series

PIPE CUTTING AND BEVELING MACHINES

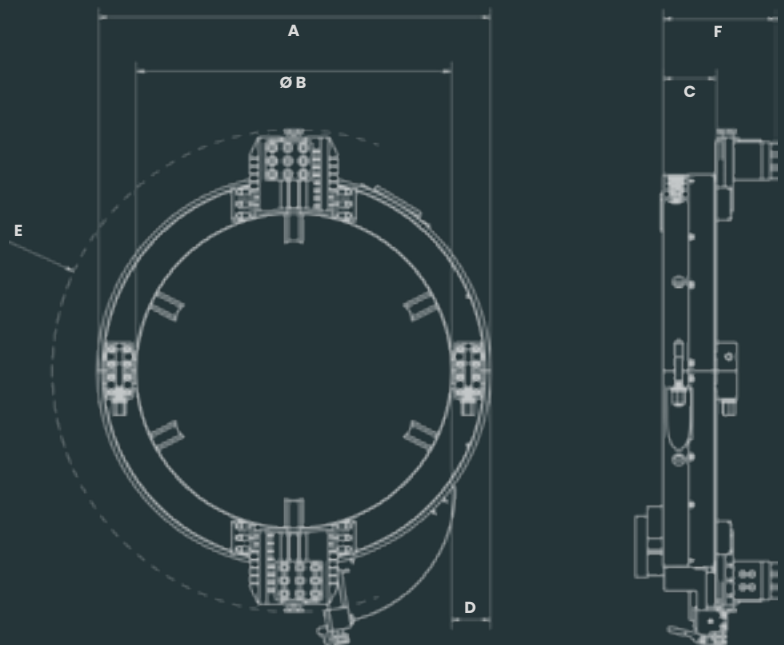
Nowadays, stainless steel pipes, steel pipes and high-alloy, thick-walled steel pipes must be cut and beveled quickly and with high quality. Depending on the material, diameter and wall thickness, we offer the perfect machine for this purpose.

Specially designed for thick-walled pipes, pipe diameters of up to 1.410 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) min. max.	Weight (kg)
DLW 2-6	321	182	88,5	68	202	188	80	58 178	23
DLW 4-8	366	232	88,5	68	224	188	80	79 227	27
DLW 5-10	420	286	88,5	68	249	188	80	107 281	30
DLW 6-12	470	340	88,5	68	261	188	80	136 335	34
DLW 8-14	496	368	88,5	68	262	188	80	187 363	38
DLW 10-16	551	421	88,5	68	317	188	80	240 416	42
DLW 12-18	604	470	88,5	68	341	188	80	289 464	45
DLW 14-20	655	525	88,5	68	369	188	80	320 519	50
DLW 18-24	758	624	88,5	68	420	188	80	418 622	60
DLW 24-30	920	775	88,5	74	496	188	80	569 774	83
DLW 30-36	1069	928	88,5	74	572	188	80	722 927	93
DLW 36-43	1249	1105	88,5	74	661	188	80	875 1103	127
DLW 40-48	1422	1245	95	89	731	194	80	980 1244	170
DLW 48-57	1680	1503	94	89	912	194	60	1210 1410	174

*Depending on the combination of machine and pipe diameter/material. ** Range can be increased with longer locator.





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 discolouration 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	Inserts + HSS Tooling
400 V / 3,5 kW	DLW 14-20 - DLW 48 - 57	40 mm	steel & stainless steel	Inserts + HSS Tooling

Pneumatic motor

Air driven motors

- 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 6-12	1,80 m³/min	6,0 bar	80 mm	steel, stainless steel
3.000 W / 4,1 HP	DLW 8-14 - DLW 48 - 57	3,10 m³/min	6,0 bar	100 mm	steel, stainless steel, high-alloy and heat-resistant steels



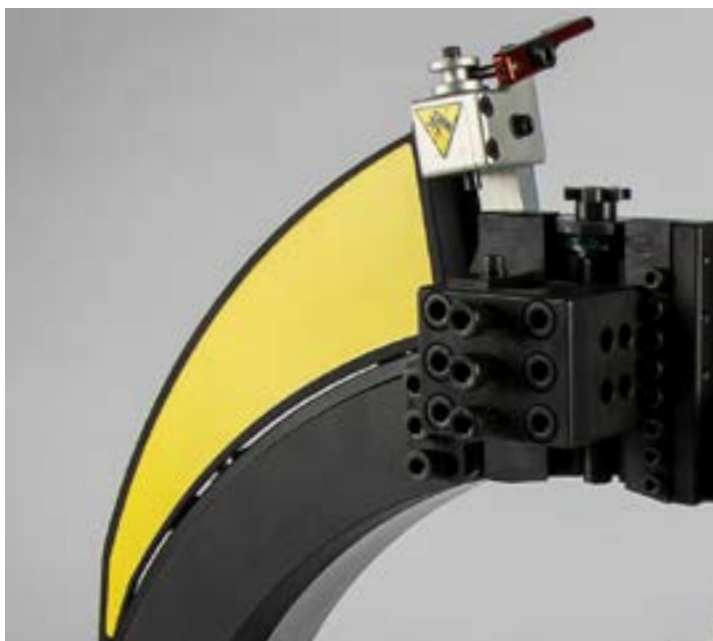
Hydraulic motor

Hydraulically driven motors

- 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 48 - 57	100 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)



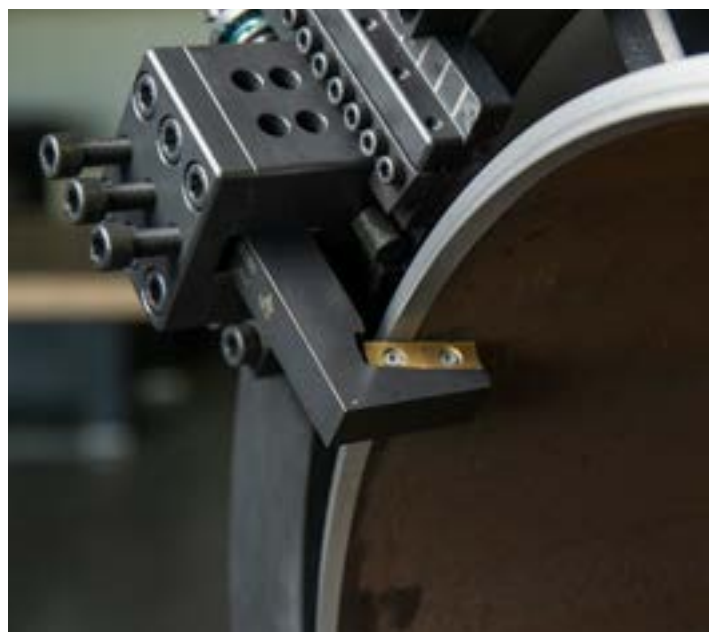
DLW-IBT

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



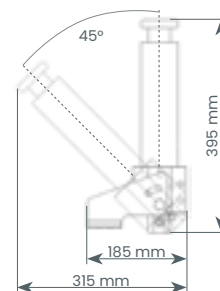
DLW-CB III

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. 130 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



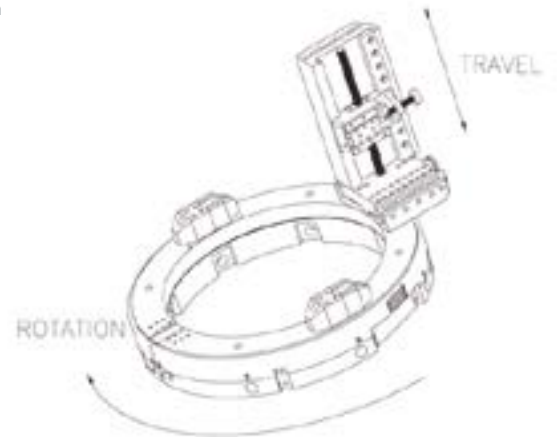


DLW-ETM

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 (from DLW 12-18)

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





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

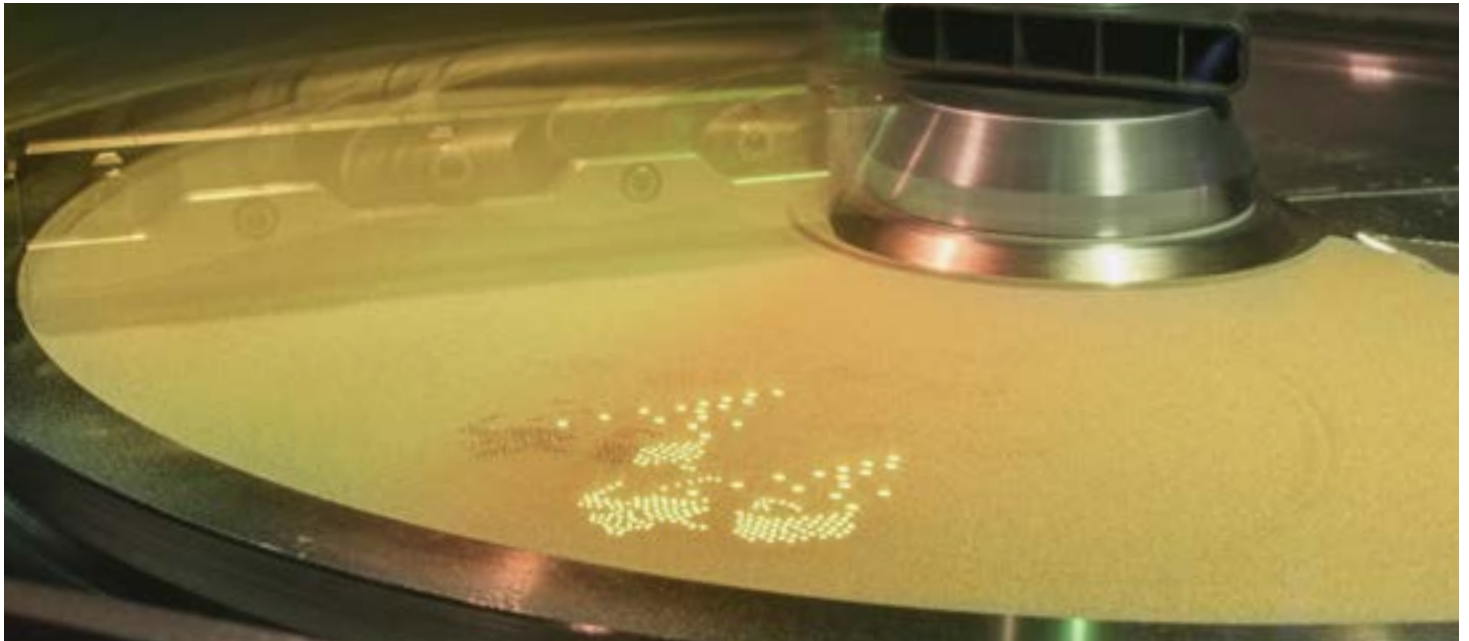
Type	DHP18E	DHP26D
Drive	Electric motor	Diesel engine
Power	11 kW, 3x 400 V	25,2 HP
Starter	–	electric
Pressure	120 bar/ 1.740 psi	160 bar/ 2.465 psi
Flow rate	10 – 46 ltr/min	20 – 60 ltr/min
Mobil	Yes	Yes
Weight	135 kg / 300 lbs (empty)	230 kg / 507 lbs (empty)
Dimensions	805 x 625 x 704 mm 31.7 x 24.6 x 27.7 inch	1.040 x 740 x 850 mm 40.9 x 29.1 x 33.5 inch

The colour of the model supplied may vary.



SERVICE & PRODUCT DEVELOPMENT

From product development,
via maintenance, to repair



INDIVIDUAL PRODUCT DEVELOPMENT

From development, via proto-
types, 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
MF3i MF4i MF5i MF6i-50	Counter bore	1502185	10° - inside	
		1502186	8° - inside	
	J-prep	1502134	DIN 2559-4 (30°/R6/8°)	
		1502133	DIN 2559-3 (0°/R6/8°)	
		1502128	DBS 34-R3 (0°/45°/R9/8°)	
	J-prep	1502127	DBS 34-R5 (0°/R5/30°)	

Machine type	Function	Item no.	Description	Image
MF3-25 MF4 MF3iw MF4-R	Counter bore	1502162	10° - inside short	
		1502163	8° - inside	
		1502135	10° - inside long	
	J-prep	1502160	DIN 2559-4 (30°/R6/8°)	
		1502148	DIN 2559-3 (0°/R6/8°)	
		1502154	DBS 34-R3 (0°/45°/R9/8°)	
	J-prep	1502159	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



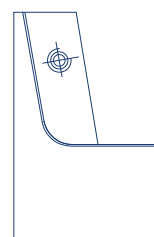
U-prep insert

Machine type	0°	30°+ 37,5°	Counter bore	J-prep
ID mount	MF2iw	1502494	1500592	-
	MF3iw	1501106	1501108	-
	MF3i	1501106	1501416	1505362
	MF4i	1501106	1501416	1505362
	MF5i	1501106	1501416	1505362
	MF6i-50	1501106	1501416	1505362
OD mount	MF3-R	1501106	1501108	-
	MF4-R	1501106	1501108	-
	MF2-25	1501106	1501108	-
	MF3-25 XL	1501106	1501108	-
	MF4	1501106	1501108	-



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.



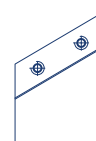
10° Counter bore
Item 1500268
Other angles and
designs on request



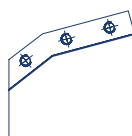
0°, 34 mm short
Item 1500275



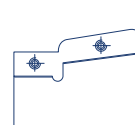
0°, 40 mm long
Item 1500276



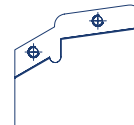
37,5°
Item 1502464



37,5°/10°
Item 1500283



0°/R6/8° J-prep
Item 1500296



30°/R6/8° J-prep
Item 1500285



45°
Item 1503133

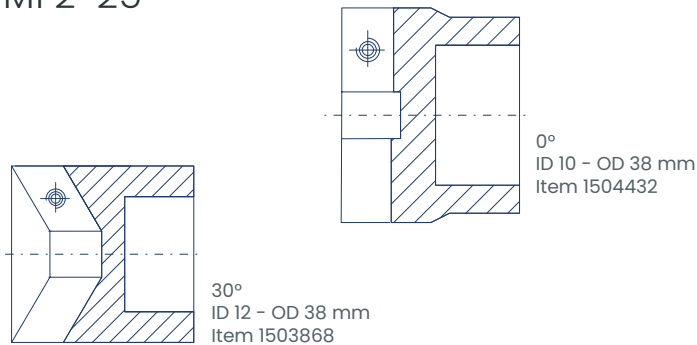
Machine type	0°	30°	37,5°	0° + 30°	37,5° / 10°	0° / 37,5°	Counter bore	J-prep
MF2iw	0° / 30° Inserts are fixed with tool holders (next page)							
ID mount	MF3iw	1500277	1500291	1500278	-	-	1505840 (i10°) 1504415 (i30°) 1504066 (i60°)	-
	MF3i	1500276 1500275	1500289	1500294	1500295	1500283	1500268 (i10°) 1504885 (i15°)	1500285 1500296
	MF4i	1500276 1500275	1500289	1500294	1500295	1500283	1500268 (i10°)	1500285 1500296
	MF5i	1500276 1500275	1500289	1500294	1500295	1500283	1500268 (i10°) 1504885 (i15°)	1500285 1500296
	MF6i-50	1500276 1500275	1500289	1500294	1500295	1500283	1500268 (i10°) 1504885 (i15°)	1500285 1500296
	MF3-R	Inserts are fixed with tool holders (next page)						
OD mount	MF4-R	1500277	1500291	1500278	-	-	-	-
	MF2-25	Inserts are fixed with tool holders (next page)						
	MF3-25 XL	1500277	1500291	1500278	-	-	1504415 (i30°) 1504066 (i60°)	-
	MF4	1500277	1500277	1500277	-	-	1504415 (i30°) 1504066 (i60°)	-



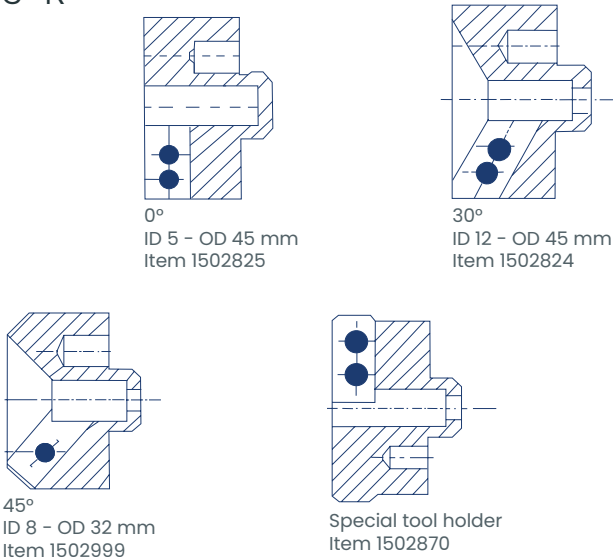
Tool holder

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.

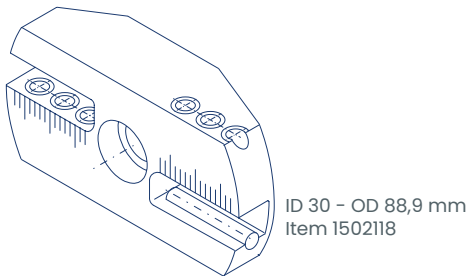
MF2-25



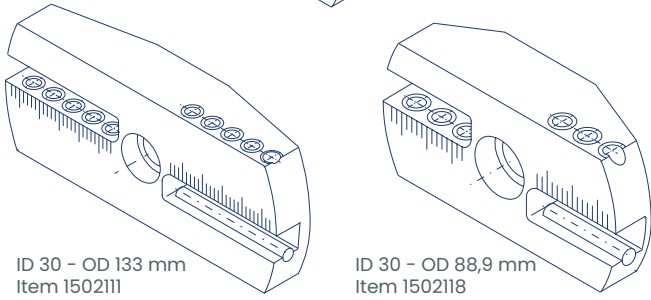
MF3-R



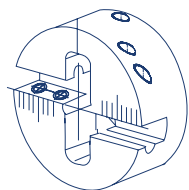
MF4-R



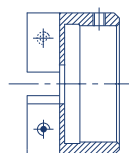
MF4



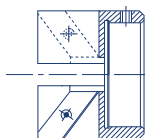
MF2iw



Special tool holder
ID 11 - OD 22 mm
Item 1505328

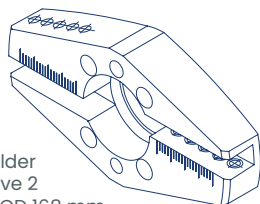


Pipe cutter 0°
ID 11 - OD 22 mm
Item 1505347

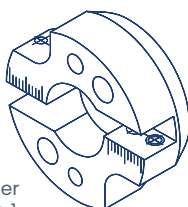


Pipe cutter 30°
ID 11 - OD 22 mm
Item 1505348

MF3i



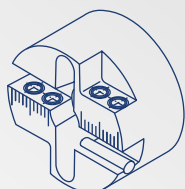
Tool holder
for sleeve 2
ID 40 - OD 168 mm
Item 1502139



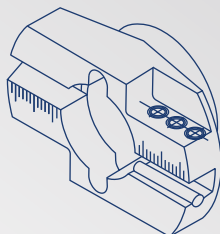
Tool holder
for sleeve 1
ID 25 - OD 84 mm
Item 1500293



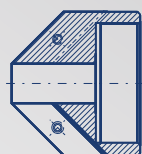
MF3iw



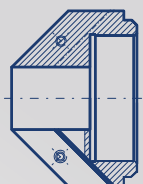
Tool holder
ID 16 - OD 62 mm
Item 1502166



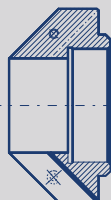
Tool holder
ID 25 - OD 114,3 mm
Item 1503447



Pipe cutter 45°
ID 16 - OD 56 mm
Item 1507030



Pipe cutter 45°
ID 25 - OD 66 mm
Item 1507029



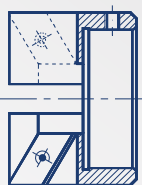
Pipe cutter 45°
ID 40 - OD 82 mm
Item 1501107



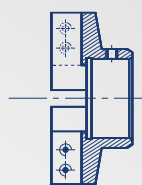
Pipe cutter 0°
ID 16 - OD 56 mm
Item 1500274



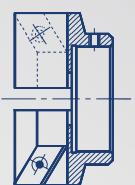
Pipe cutter 0°
ID 25 - OD 64 mm
Item 1501114



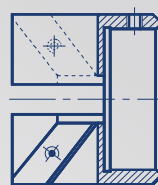
Pipe cutter 30°
ID 25 - OD 58 mm
Item 1501102



WP-Pipe cutter 0°
ID 40 - OD 104 mm
Item 1501104



Pipe cutter 30°
ID 40 - OD 78 mm
Item 1501103

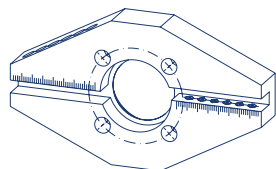


Pipe cutter 30°
ID 16 - OD 50 mm
Item 1500273



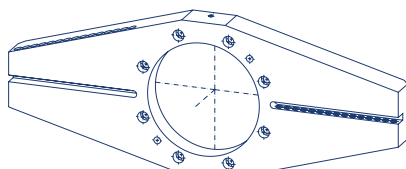
Pipe cutter 30°
ID 70 - OD 103 mm
Item 1501112

MF4i



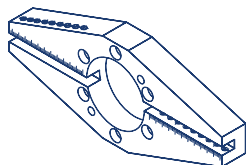
Tool holder
ID 58 - OD 219,1 mm
Item 1505605

MF6i-50

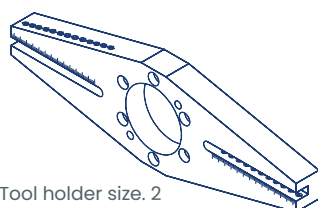


Tool holder
ID 280 - OD 711 mm
Item 1503168

MF5i



Tool holder size. 1
ID 100 - OD 330 mm
Item 01506031



Tool holder size. 2
ID 176 - OD 460 mm
Item 01506032



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

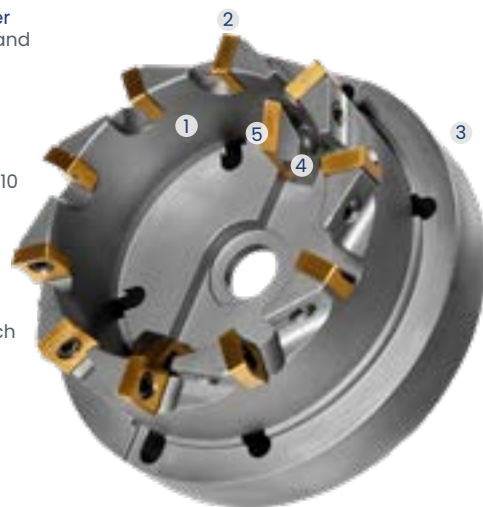
Pipe - Ø (mm)	1 TT crown milling cutter	2 Pieces TT 0° 1502494	3 Basic holder	4 TT holder 30°	5 TT 30°
20,0	1503973	4			
21,3	1503972	4			
25,0	1503971	6			
26,9	1503969	6			
28,6	1504440	6			
30,0	1502588	6	1503974	1502483	1502495
31,8	1502484	6			
33,7	1502467	6			
35,0	1502485	6			
38,0	1502457	6			



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 1502494
- 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 1502483
(2 pcs. required per
crown cutter)
- 5 Tool tip 30°
(1 pc. per TT holder)
Item 1502495



For model MF3-25 XL

Pipe - Ø (mm)	1 TT crown milling cutter	2 Pieces TT 0° 1502494	3 Basic holder	4 TT holder 30°	5 TT 30°
30,0	1502588	6			
31,8	1502484	6			
33,7	1502467	6			
35,0	1502485	6	1502458 (Size 1) or 1502460 (Size 2)		
38,0	1502457	6			
42,4	1502486	6			
44,5	1502487	6		1502483	1502495
48,3	1502488	8			
51,0	1502489	8			
57,0	1502459	8			
60,3	1502490	8		1502460 (Size 2)	
63,5	1502491	10			

For model MF4

Pipe - Ø (mm)	1 TT crown milling cutter	2 Pieces TT 0° 1502494	3 Basic holder	4 TT holder 30°	5 TT 30°
44,5	1502487	6			
48,3	1502488	8			
51,0	1502489	8			
57,0	1502459	8			
60,3	1502490	8	1502479	1502483	1502495
63,5	1502491	10			
70,0	1502492	10			
76,1	1502493	10			

Replacement parts

Item	Description
1502468	Knox M4 screw (1 pc. per TT)
1228703	M5 x 20 Screws 4 pc.
1228709	M5 x 20 screws (1 pc. per TT holder)
1500642	M8 x 10 Thread-pin (1 pc. per basic holder)

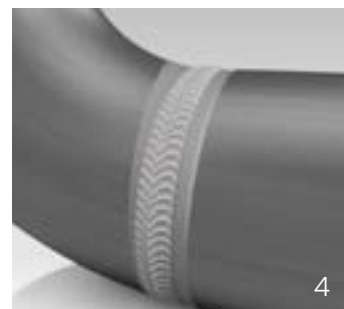
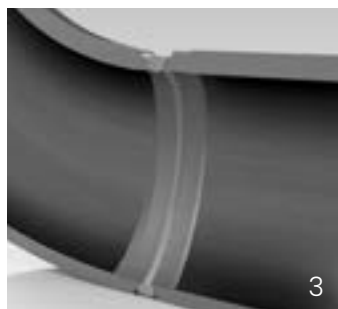
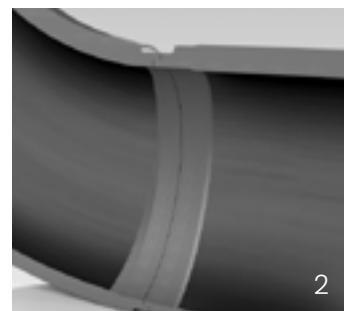
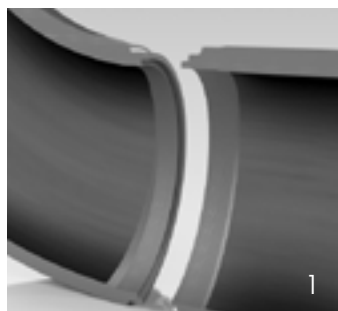


EASY-TO-FIT

The future of weld seam preparation for pipes

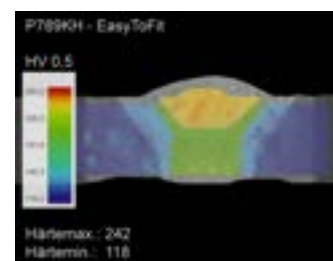
Easy-to-Fit is a small investment in an intelligent pipe preparation system that ensures greater efficiency, higher profitability and higher process stability. Especially in automatic orbital welding, the weld preparation of the pipes is very complex. The weld seams to each other require a welding gap 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

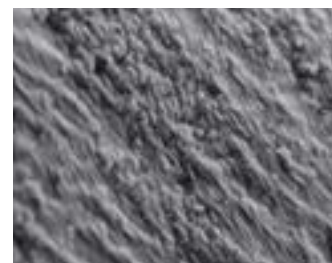


Scientific analysis

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



The current working ranges extend from min. 23.5 mm to max. 156 mm pipe diameter, depending on the machine.



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
1505182	Tool tip holder 30° RH (2x Tool tips 1501416 needed)
1505183	Tool tip holder 37,5° RH (2x Tool tips 1501416 needed)
1505184	Tool tip holder 37,5°/10° RH (4x Tool tips 1501416 needed)
1505185	Tool tip holder 80 mm cutting off
1505187	Tool tip holder 60 mm cutting off
1505186	Tool tip 60 & 80 mm cutting off
1501416	Tool tip holder 30° and 37,5° RH



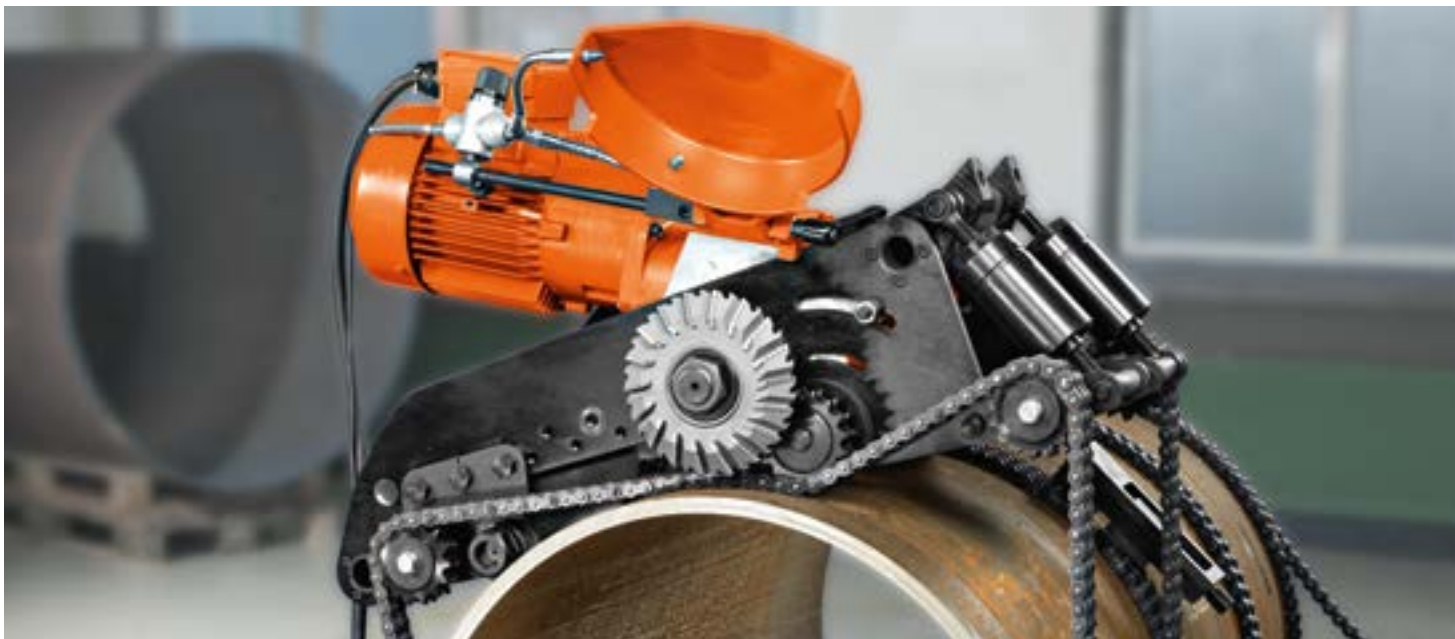
CUTTING TOOLS HSS

Item	Description
1503978	Beveling tool 30° RH
1503980	Beveling tool 37,5° RH
1504587	Beveling tool 37°/10° RH
1503975	Cutting tool set 45 mm cutting off
1216809	Cutting tool set 50 mm cutting off
0503977	Cutting tool set 80 mm cutting off



SPECIAL MACHINES

Cutting, beveling and drilling
machines pipe machining solutions



CPC

Economic machining of pipes with high cutting performance

Perfectly suited for use under extreme conditions thanks to robust machine design, powerful motors and high quality materials. Available with pneumatic and electric drives.

- Use of the electric pipe cutting machines also possible at very low minus temperatures
- Flexible use suitable for pipes from 250 mm to 3.000 mm
- Precise tracking and exact cutting due to two-chain system, adjustable track setting and double chain tension
- Easy assembly due to optimised handling
- Available in two gearbox variants:
Different feed and speed levels guarantee a cutting speed suitable for different materials



Electric pipe cutting machines (EL):

Protection class I. Protection class IP X4.

In conjunction with the switch gear combination:

- Safety due to self-start lock
- Overload protection for the three-phase motor.
Manufactured and tested according to EN 62841
- Particularly suitable for cuts on oil and gas pipes without transport material

Compressed air pipe cutting machines (PN):

- Protection for work on water, oil and gas pipes without transport material by means of compressed air drive
- Suitable for use in drinking water areas
- Motor drive parts in stainless steel design
- The vanes of the air motor are swell-proof
- Even short-term dry running is possible



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	63,5
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 Hydra

The Ultimate Solution for Limitless Pipe Cutting – Even Underwater!

The PipeCut Infinity Hydra combines the best of both worlds! Equipped with the HYDRA-powered hydraulic motor and the Infinity chain system, this advanced pipe saw expands cutting capabilities for extremely large pipe diameters. Whether you're cutting steel, stainless steel, cast iron, aluminum, copper, or plastic, the Infinity Hydra ensures fast, precise, and safe cutting.

With its robust hydraulic motor, fully functional even underwater, the saw handles thick wall pipes effortlessly. The expandable chain system allows cutting pipe diameters from 360 mm to over 1,850 mm, while the adjustable cutting depth ensures optimal precision and flexibility.

Advantages

- Powerful hydraulic drive – fully operational underwater
- Infinity chain system for extra-large pipe diameters
- Adjustable cutting depth for precise results
- Cuts all pipe materials – ideal for any job site
- Optional gear box with connection for cordless screwdriver

Weight	27 kg
Range of use	360 – ∞ mm
Max. pipe wall	20 mm steel 45 mm plastics
Suitable for	All materials
Technical details	
Hydraulic pressure	120 – 150 bar
Oil flow	20 – 25 l/min.
Max.Blade diameter Ø	190 mm
Mounting bore	62 mm



Part No.: 1216492

Scope of delivery

- PipeCut Infinity Hydra
- 2 Carrying bags
- 2 connecting hoses (1 meter)
- Cermet 165 saw blade
- Operating instructions
- Chain segments for 1.850 mm OD (2 x 2 M, 1 x 1 M, 1 x 0,5 M, 2 x 0,2 M, 1 x 0,1 M)
- Clamping device with crank
- Hexagon socket 5 mm & 2 mm

Cut+Bevel Set (optionally)

For PipeCut Infinity Hydra

Upgrade your EXACT Pro machine to a Cut+Bevel version. With the conversion set, you can easily install an upgrade on your Pro machine.

- Set includes:
- Cut+Bevel Diamond disc
 - Saw blade cover, suitable for your PipeCut Infinity & Infinity Hydra



Part No. 1216275

Power drill connection (optionally)

For PipeCut Infinity Hydra

The Infinity Hydra models can be equipped with an optional gearbox with drill connection. This ensures a constant saw feed.

- Set includes:
- Gear attachment for cordless drill
 - Spindle



Part No.: 1351088





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
1350520	Oxygen monitor Oxy-Pro



Pipe purge system suitcase set

Suitable for internal pipe diameter 19 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
1350139	Pipe purge system suitcase set	19 - 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
1350004	Pipe clamp DWT S13 steel	1 - 3	25 - 76	1,5
1350005	Pipe clamp DWT S25 steel	2 - 5	51 - 127	3,1
1350006	Pipe clamp DWT S47 steel	4 - 7	102 - 177	3,3
1350007	Pipe clamp DWT S59 steel	5 - 9	127 - 228	6,9
1350008	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
1350040	Single pipe chain clamp	8 - 10	203 - 254	5	8,3
1350041		8 - 12	203 - 304	6	9,5
1350042		8 - 16	203 - 406	7	10,6
1350043		8 - 20	203 - 508	9	13,0
1350045		8 - 28	203 - 711	13	17,7
1350046		8 - 32	203 - 812	14	18,8
1350047		8 - 36	203 - 914	16	21,2
1350048		8 - 40	203 - 1.016	18	23,5
1350050		8 - 48	203 - 1.219	21	27,0
1350051		8 - 52	203 - 1.320	23	29,4
1350052		8 - 56	203 - 1.422	25	31,7
1350053		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
1350300	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 ½	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)	-



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