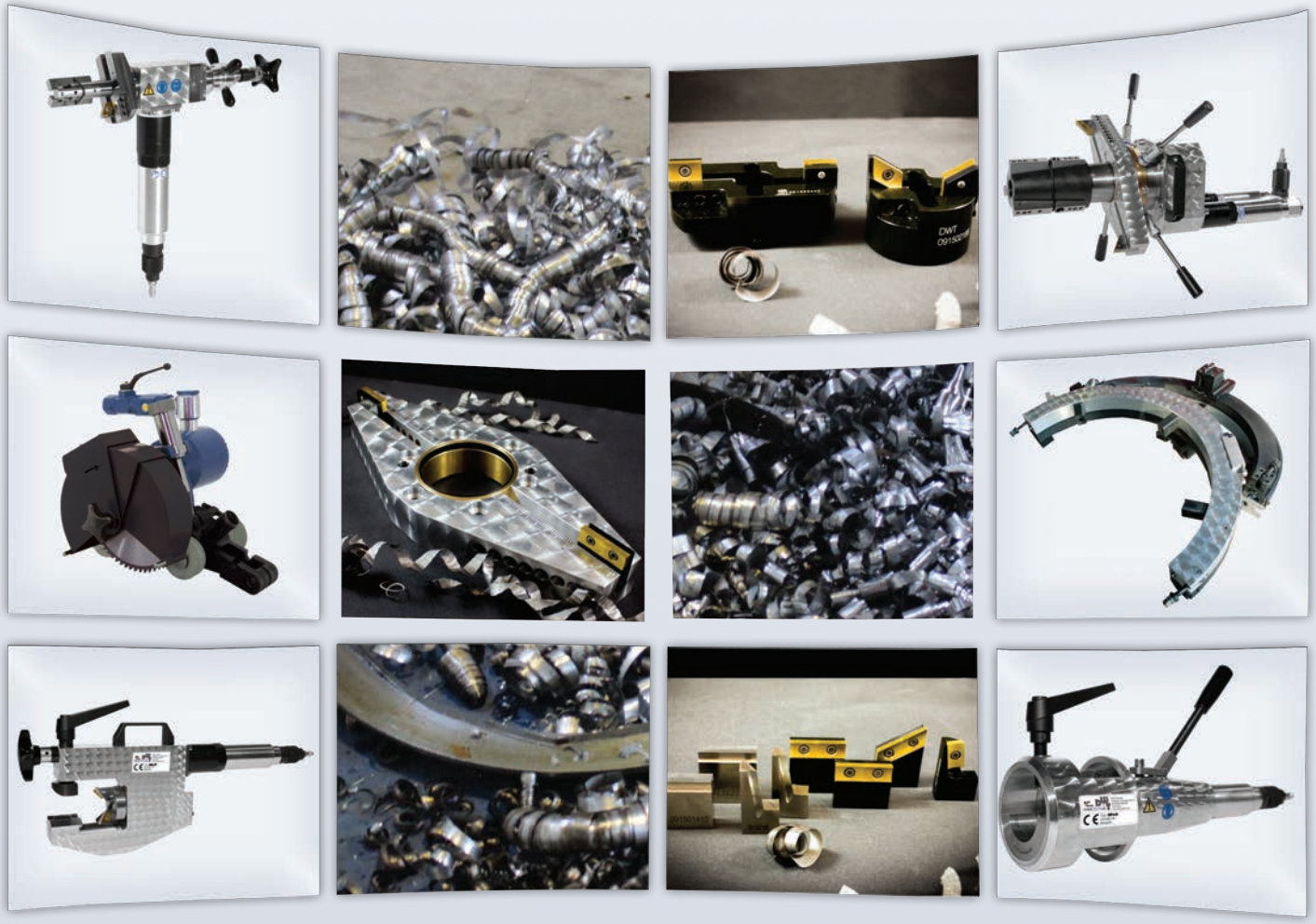
RSW INTERNATIONAL
GLOBAL TECHNICAL SERVICE

made in Germany

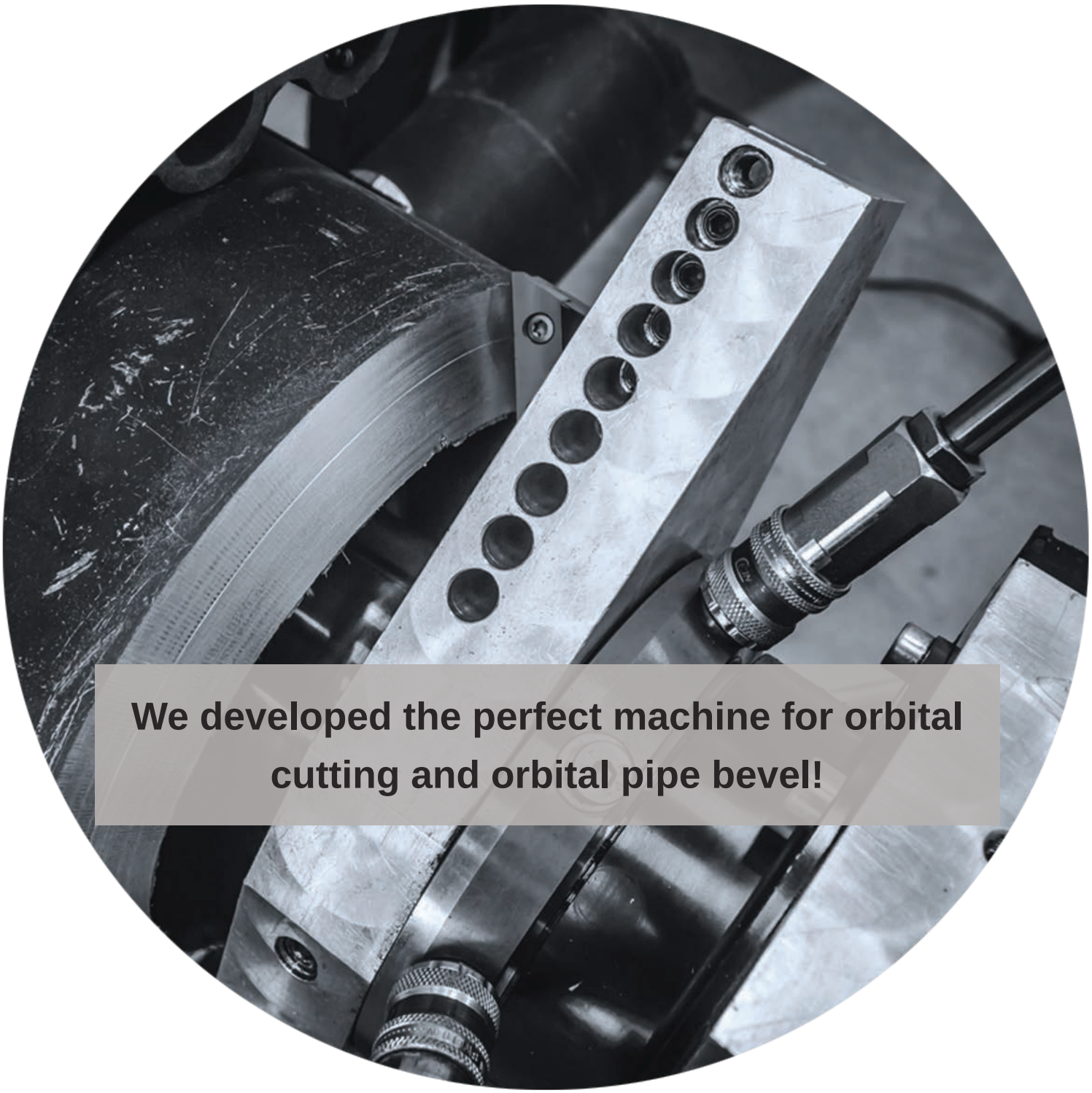
DWT® PIPE TOOLS

PORTABLE PIPE BEVELING AND CUTTING MACHINES

Catalogue 2018/19



www.dwt-pipetools.com



We developed the perfect machine for orbital cutting and orbital pipe bevel!

WELCOME TO DWT

The company DWT is a family owned company, located in the industrial heart of Germany. The headquarter is situated in Bottrop, where production and central stock is located. The company was founded in 1987 as main supplier of the german mining companies. Nowadays we deliver products all over the world to different markets and for many different applications.

Our Business Units are as follows:

- *Sales and Service of products for assembly*
- *Sales and Service of products for industrial maintenance*
- *Production and sales of nitrogen generators for different applications*
- *Production and sales of pipe beveling and cutting equipment*

DWT Babcock

Ten years ago DWT has taken over the production of pipe beveling machines from the German steam boiler manufacturer „Deutsche Babcock“, who has developed the machines for the need and with the experience of their own people on-site. The advantages were obvious due to very low weight, high degree of flexibility and capacity. The machines are designed for a long lifetime with low spare part need and ergonomic use on-site.

Since 2002 DWT has built up the export business by focusing more on the pipe beveling and cutting market. Nowadays application engineers with sale & service offices are located in Singapore, Indonesia, Middle East, France, Malaysia, India, UAE and Russia, to support our fast growing business all over the world.

DWT India

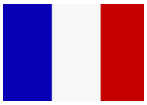
DWT Middle East

DWT Russia

DWT Spain

DWT South East Asia

DWT France



DWT Indonesia

DWT Mexico

DWT Portugal

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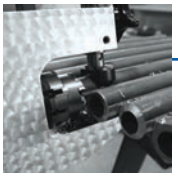
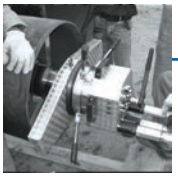
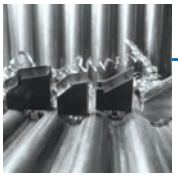
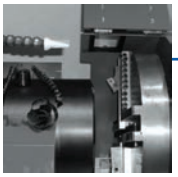
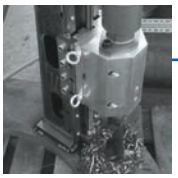
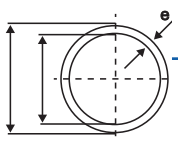












MARKETS AND APPLICATIONS

Pipe processing on the job site or in the factory is a challenging task. New pipe materials and increased demands on the processes in pipeline construction constantly require new solutions. We offer products to increase productivity in tube processing in the following areas:

Application	e.g.	Suitable products
Energy and waste incineration plants	• Tube heat exchanger • Box header • HVAC Finned heat exchanger	MF2-25 / MF3-25 / MF3iw / MF2iw
Power plants	• Membrane wall • High-pressure pipeline • Collectors	BWC / MF2-25 / MF3-25 / MF3iw / MF3i / MF4i / MF5i / MF6i-50 / DLW
Pipeline construction, Chemistry, Refinery	• All piping • All materials	DLW, All inside clamping pipe beveling machines (expect MF2iw)
Machines and plant construction	• Supply lines of all kinds and special machine construction	All inside clamping pipe beveling machines and all outside clamping pipe bevelers
Pipe Manufacturing / Suppliers	• Pipe edge preparation for all branches of industry	MF5 / MF6i-50 / MFS
Oil and gas, civil engineering	• pipeline construction • Supply line made of cement, concrete, cast iron, steel u. PVC / PE	DLW CPC CPC-B
Aerospace	• hydraulic • Fuel supply • air Conditioning	MF3-R / MF3iw / MF3-25 / MF2-25 / MF2iw / MF3i

PIPE BEVELING EQUIPMENT

The only Pipe beveling equipment designed by endusers with on-site „know how“

We created a unique product range for the need of the worldwide pipe related industry, where the materials become more and more sophisticated. Nowadays the wall thickness increases and materials are extremely difficult to machine.
The product range of the pipe beveling equipment for weld edge preparation of pipes is outstanding and very competitive.

Pipe Beveler

Pipe beveler for on-site pipe edge preparation

Pipe Beveling Machines

Pipe beveler for on-site pipe edge preparation

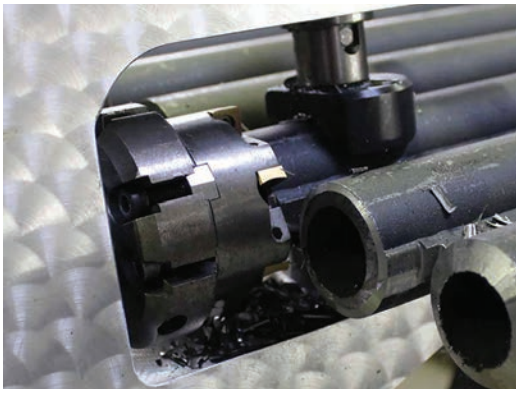
Accessories for Elbow Beveling

Portable add-on for our pipe beveling machines

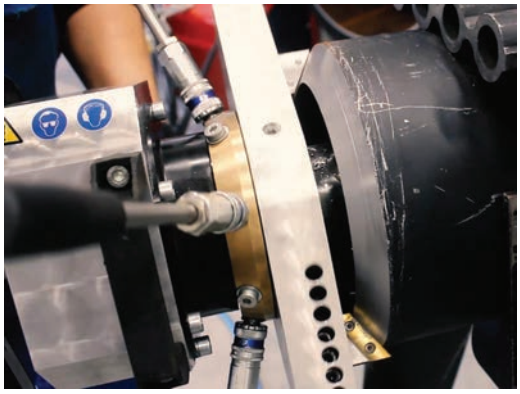
Stationary Pipe Chamfering Machine

Pipe chamfering machine for weld edge preparation

Applications:

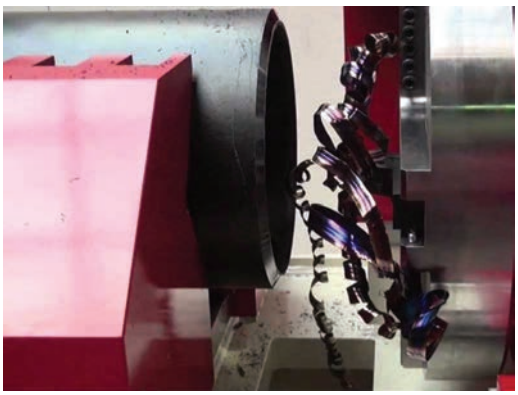


Facing waterwall panels



Pipe beveling

Pipe elbow beveling

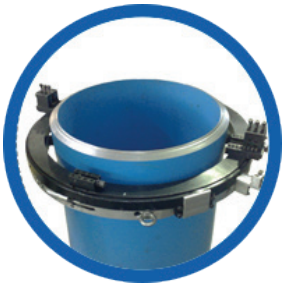


Stationary pipe chamfering

PIPE CUTTING AND BEVELING

The perfect machines for pipe cutting and beveling of heavy wall pipes

With our huge range of pipe cutting and pipe cutting and beveling machines every kind of pipe can be cut for further pipe edge preparation.



Pipe cold cutting

Pipe cold cutting and beveling machine for heavy duty pipes

Waterwall panel cutting

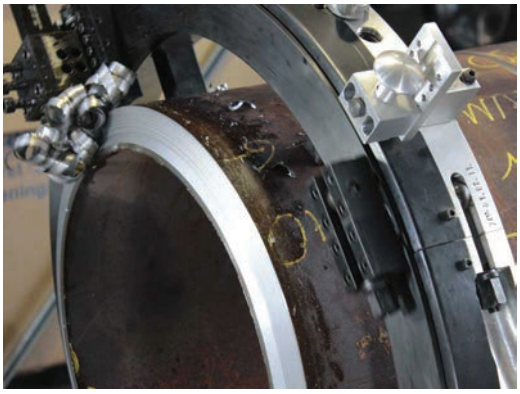
System for cutting waterwall panels of high pressure boilers

Chain type pipe cutting machine

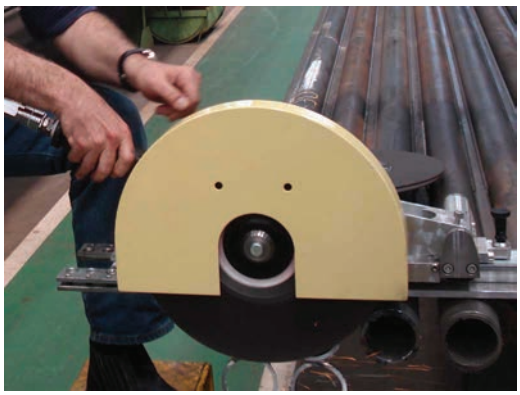
Max. wall-thickness: 30 mm
Application: cutting and beveling

Applications:

Pipe cold cutting



Pipe beveling



Boiler panel cutting

Pipe cutting

EXACT PIPE CUTTING TOOLS FOR ALL MATERIALS

Ground-breaking Solutions for Pipe Cutting and Finishing

The pipe cutting machines are suitable for all pipes and materials. A single machine allows cutting pipes of greatly differing sizes. Pipe cutting is significantly faster as compared to traditional methods. The resulting surfaces are precise and of uniform quality – the pipes are ready for joining right away. The machines can be used almost anywhere, since in most countries they are approved for indoor use – for example, as compared to angle grinders, the fire hazards are substantially lesser.

Pipe saw

Exact pipe saws for all materials

Pipe cut and bevel

Exact pipe saws for pipe cutting and beveling

Pneumatic pipe saw

High end professional pneumatical pipe saw

Pipe bevel

Exact Pipe Bevel for Weld Seam Preparation

Applications:

Cutting stainless steel pipe

Pipe cutting and beveling

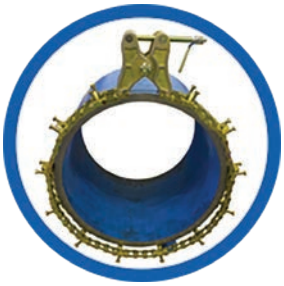
Cutting plastic pipe

Cutting pipes in the trench

PIPE WELDING TOOLS

Equipment for a perfect pipe weld

Pipe and pipeline welding work is nowadays a sophistic job, which requires the best equipment on-site and in the workshop. In the pipe welding process useful tools like pipe beveling machines, pipe cold cutting machines, pipe welding stands, pipe jacks, pipe alignment clamps, and pipe chain alignment clamps provide a better productivity for welded pipe and a more convenient and safer working environment.



Pipe welding alignment

Pipe welding clamps, pipe chain clamps, external pipe clamps

Pipe handling

Pipe jacks and pipe carts for professional pipe handling

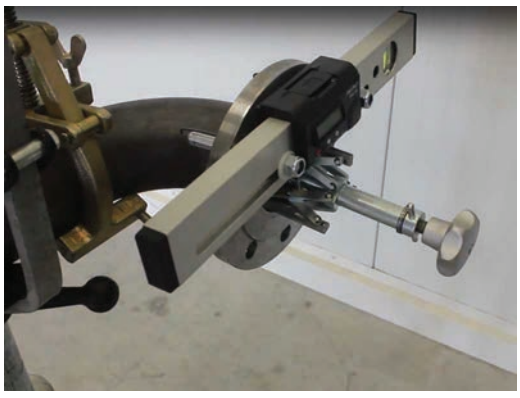
Flange repair equipment

Flange tools, marking and earthing

Applications:

Pipe clamping

Pipe alignment



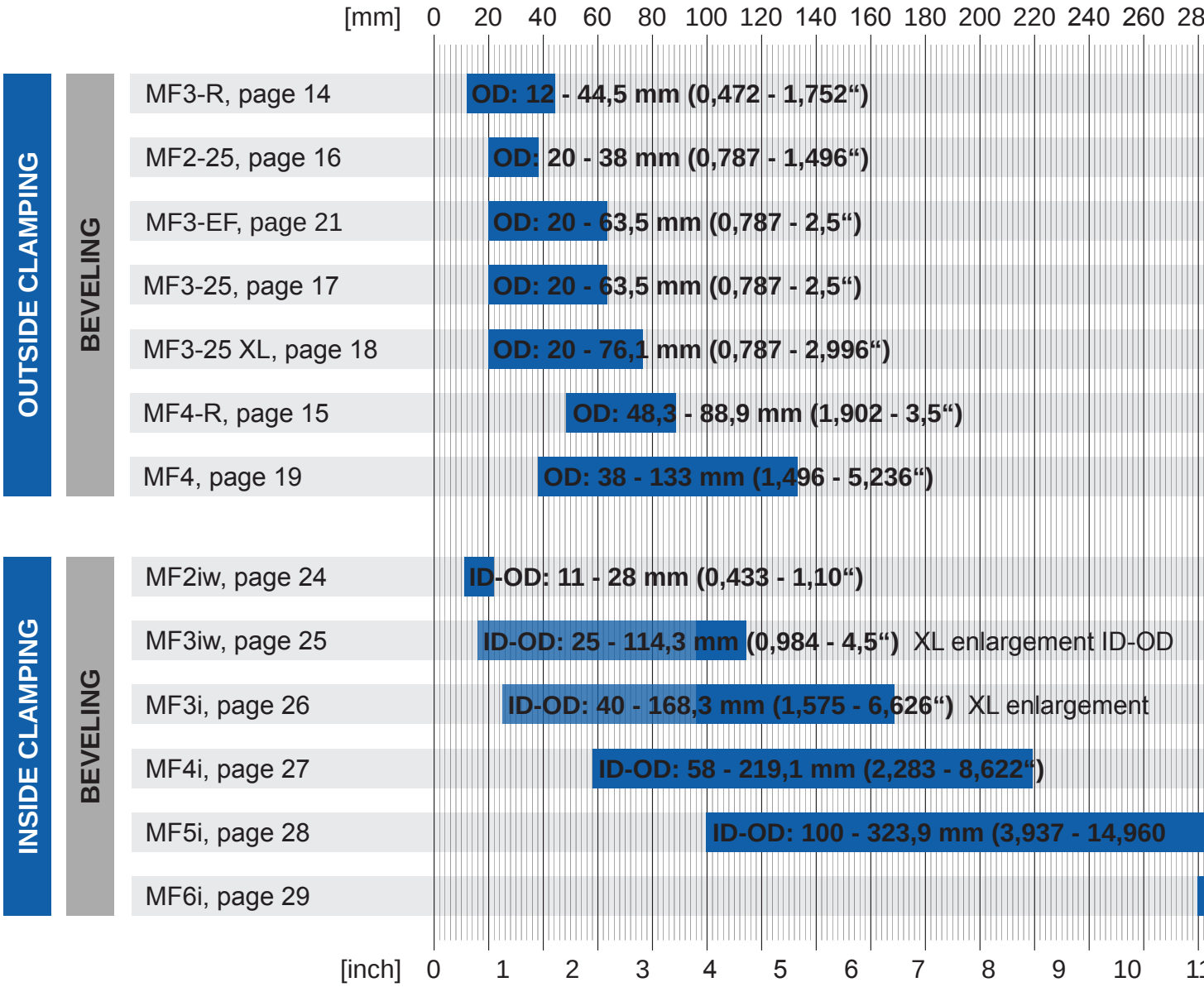
Flange leveling

Pipe handling

PORTABLE PIPE BEVELING MACHINES

Pipe edge preparation is the first and important step in the pipe welding process. Especially for heavy wall pipes the weld edge of the pipe end must be in a perfect shape to achieve the best welding result.

We created a unique product range for the need of the worldwide pipe related industry, where the materials become more and more sophisticated. Nowadays the wall thickness increases and materials are extremely difficult to machine. Our pipe beveling machine is able to fulfill the need of modern pipe world no matter what material or wall thickness. This quick overview shows the different working ranges of the pipe beveling machines:

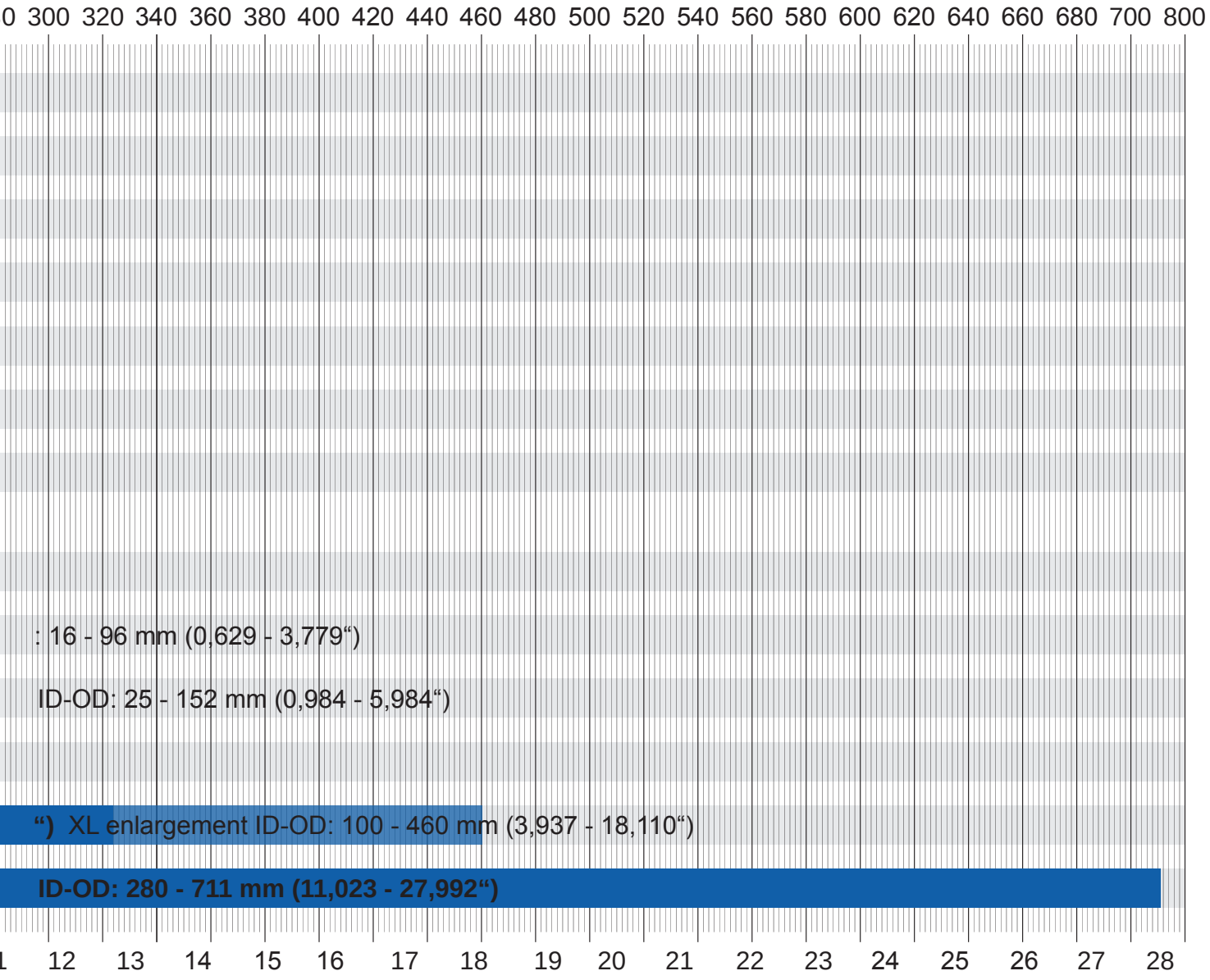


Designed,
developed and
made in Germany

You want a personal consultation?

Then contact us about our homepage at www.dwt-pipetools.com

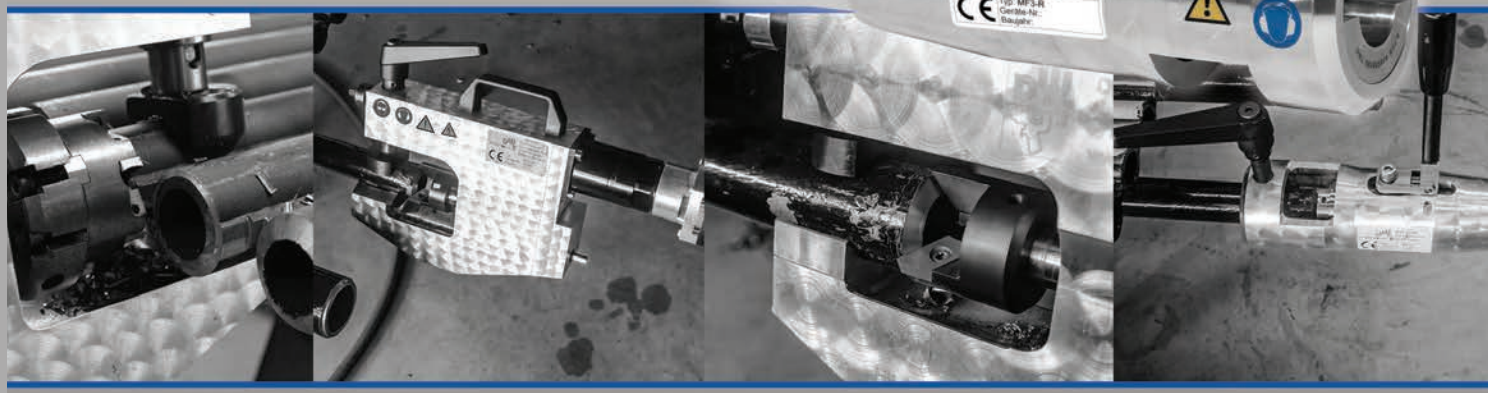
Our team will be happy to help you to find the right product for your individual requirements.



PIPE BEVELERS

This is the most safe and fastest way of beveling. This equipment for on-site weld edge preparation of heavy wall pipes is the state of the art nowadays.

Designed,
developed and
made in Germany



All machines are used for on-site boiler tube repair and end prepping of finned tubes for water wall panels as well as for high pressure boiler components and single boiler tubes. The pipe beveler has a high metal removal rate, is easy to handle and constructed in a rugged and compact way. The machines have been developed by the boiler manufacturer BABCOCK for the need of their own maintenance people on-site. Their high working speed and quick readiness for use allow economic steam boiler manufacturing and steam boiler maintenance.

A perfect weld preparation of pipes is getting more and more important for modern work. The quality of weld edge before pipe welding is crucial for the final result. The portable machine is extremely low weight due to aluminum alloy construction so that it can be handled by one man easily. The range of beveling machines is outstanding and very competitive in daily use. By use of special titanium coated bits we reduce the expenses for consumables and make life even more easy on site, as the cutting tools can be used from both sides. The lifetime is much better than solid bits and cuts down the operating expenses.

Properties / Benefits:

- High cutting capacity
- Quick and secure clamping
- Rugged and compact construction
- Easy handling
- High quality weld prep
- Less noise, dust and sparks
- Ergonomic
- High metal removal rate

Quality control:

Without exception, all DWT pipe milling machines undergo strict quality checks in every production phase in order to be able to guarantee top-quality products at all times.

Delivery:

Professional transport case made of metal.

	Pipe beveling machines OD mount						
Portable machine Type	**MF3-R**	**MF3-EF**	**MF4-R**	**MF2-25**	**MF3-25**	**MF3-25 XL**	**MF4**
Clamping range OD-OD (mm)	12 - 44,5	20 - 63,5	48,3 - 88,9	20 - 38	20 - 63,5	20 - 76,1	38 - 133
Clamping range OD-OD (inch)	0,472 - 1,752	0,787 - 2,5	1,902 - 3,5	0,787 - 1,496	0,787 - 2,5	0,787 - 2,996	1,496 - 5,236
Working range ID-OD (mm)	9 - 44,5	min. 36	30 - 88,9	12,5 - 38	12,5 - 63,5	12,5 - 76,1	25 - 133
Working range ID-OD (inch)	0,354 - 1,752	min. 0,492	1,181 - 3,5	0,314 - 1,496	0,787 - 2,5	0,496 - 2,996	0,984 - 5,236
Pipe wall thickness (mm)	max. 10	max. 10	max. 10	max. 15	max. 15	max. 15	max. 25
Spindle stroke (mm)	15		15	25	25	25	15
Weight (kg)	4,8		5,9	6,4	8,4	8,8	13
Pneumatic motor (kW)	0,85	0,85	0,85	0,85	0,85	0,85	0,85
Electric motor (kW)	1,2	-	1,2	1,5	1,5	1,5	1,5
Pneumatic Motor	●	●	●	●	●	●	●
Electric motor	●		●	●	●	●	●
Option angle pneumatic motor					●	●	●
Option angle electric motor					●	●	●

PIPE BEVELER MF3-R

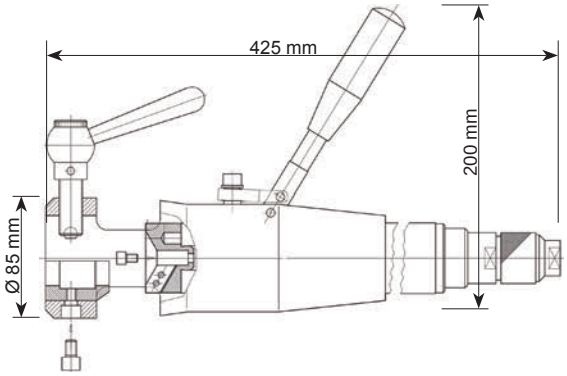
Video of application

Pipe beveler MF3-R

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

The MF3-R is used for the preparation of pipe ends, i.e. to cut edges of individual pipes or membrane walls. Because of its small dimension it is particularly suitable for the preparation inside membrane wall ports. The MF3-R can optionally be equipped with a pneumatic or an electric motor.

Dimensions



Specifications

Specifications MF3-R			Pneumatic Motor		
Working range ID-OD	9 - 44,5 mm	0,354 - 1,752“	**Power**	850 W	1,2 HP
Clamping range OD-OD	12 - 44,5 mm	0,472 - 1,752“	**Air pressure**	6 bar	87 psi
Max. wall-thickness	10 mm	0,393“	**Air consumption**	0,96 m³/min	33,9 cfm
Feed	15 mm	0,590“	**Air hose connection**	1/4“	1/4“
Weight with electric motor	6,0 kg	13,3 lb	**Features**	speed control	
Weight with pneumatic motor	4,8 kg	10,6 lb	**Electric Motor**		
Weld prep	facing, V-prep		**Power consumption**	1.200 W (110V/230V)	1,6 HP
Materials	steel, stainless steel, duplex, high alloyed		**Features**	restart and overload protection, speed adjustment, torque control	
Tooling	tool bits, TiN inserts, custom bits				
Machine body	Aluminium alloy				

Accessories & additional options

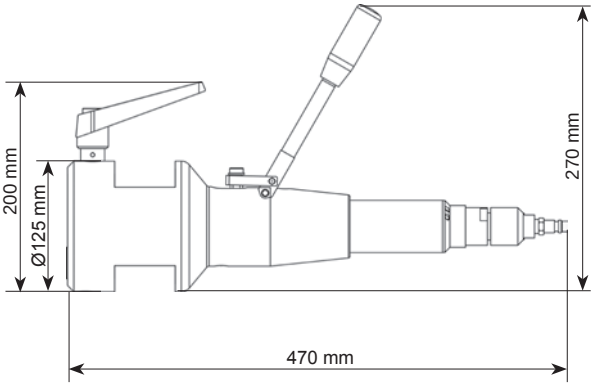
Tools for MF3-R
see from page 48

Pipe beveler MF4-R

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

The MF4-R is used for the bevelling of pipe ends or membrane walls. It is clamped by a lever on the front side and the feed by a lever on the back side. Besides its conventional use, the MF4-R can also be inserted into a clamping device to be used as a fixed bevel unit.

Dimensions



Specifications

Specifications MF4-R			Pneumatic Motor		
Working range ID-OD	30 - 88,9 mm	1,181 - 3,5“	**Power**	850 W	1,2 HP
Clamping range OD-OD	48,3 - 88,9 mm	1,744 - 3,5“	**Air pressure**	6 bar	87 psi
Max. wall-thickness	10 mm	0,39“	**Air consumption**	0,96 m³/min	33,9 cfm
Feed	15 mm	0,59“	**Air hose connection**	1/4“	1/4“
Weight with electric motor	7,0 kg	15,4 lb	**Features**	speed control	
Weight with pneumatic motor	5,9 kg	12,8 lb	**Electric Motor**		
Weld prep	facing, V-prep, J-prep, counter boring		**Power consumption**	1.200 W (110V/230V)	1,6 HP
Materials	steel, stainless steel, duplex, high alloyed		**Features**	speed adjustment, torque control	
Tooling	tool bits, TiN inserts, custom bits				
Machine body	Aluminium alloy				

Accessories & additional options

Tools for MF4-R
see from page S. 48

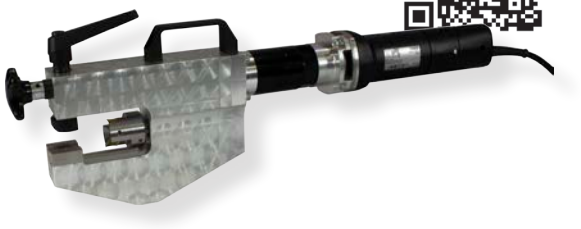
PIPE BEVELER MF2-25

Video of application

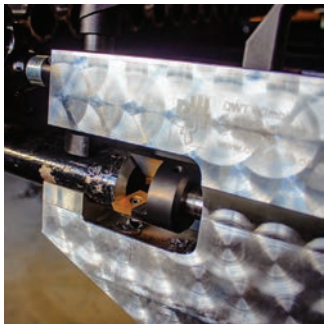
Pipe beveler MF2-25

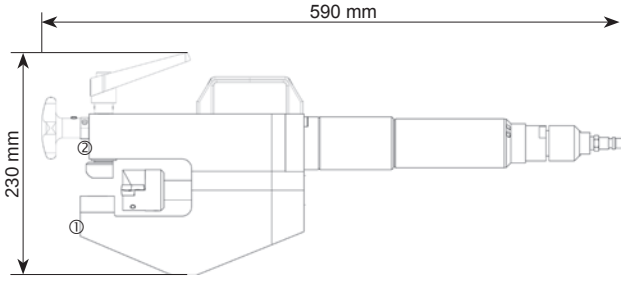
Clamping range OD-OD: 20 - 38 mm

The pipe beveler MF2-25 is exceptionally used for the preparation of pipe ends, bevelling of edges of individual pipes or membrane walls. The great advantage of this type is that membrane walls down to a size of Ø 38 mm can be bevelled with tool tip crown milling cutters. The minimum membrane wall width is only 40 mm!



Dimensions





machine width below (1): 40 mm
machine width above (2): 55 mm

Specifications

Specifications MF2-25			Pneumatic Motor		
Working range ID-OD	12,5 - 38 mm	0,314 - 1,496“	**Power**	850 W	1,2 HP
Clamping range OD-OD	20 - 38 mm	0,787 - 1,496“	**Air pressure**	6 bar	87 psi
Max. wall-thickness	15 mm	0,59“	**Air consumption**	0,96 m³/min	33,9 cfm
Feed	25 mm	0,98“	**Air hose connection**	1/4“	1/4“
Weight with electric motor	7,6 kg	16,7 lb	**Features**	speed control	
Weight with pneumatic motor	6,4 kg	14,1 lb	**Electric Motor**		
Weld prep	facing, V-prep		**Power consumption**	1.500 W (110V/230V)	2,0 HP
Materials	steel, stainless steel, duplex, high alloyed		**Features**	restart and overload protection, speed adjustment, torque control	
Tooling	tool bits, TiN inserts, custom bits				
Machine body	Aluminium alloy				

Accessories & additional options

Tools for MF2-25
from page 48

Tube fin removal
from page 48

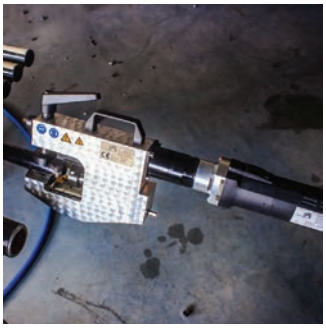
Video of application

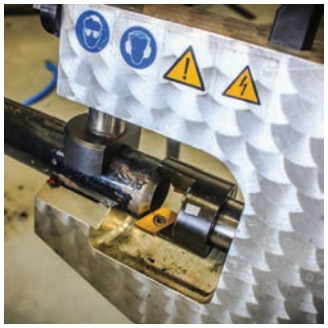
Pipe beveler MF3-25

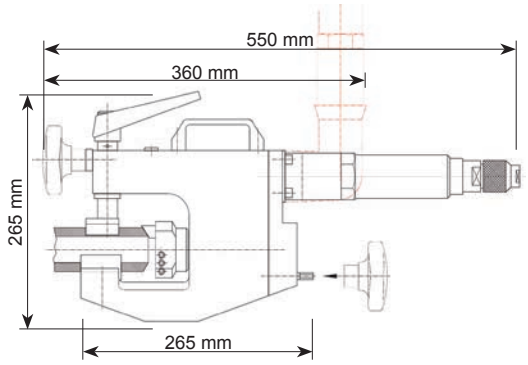
Clamping range OD-OD: 20 - 63,5 mm

The Pipe Beveler MF3-25 is used for the preparation of pipe ends, i.e. to cut edges at individual pipes or membrane walls. Next to its conventional design in which the motor and the milling spindle are arranged in line, the machine can be featured with an angular drive on request. Therefore, it can be used in different situations with limited space. Furthermore, the star wheel can be relocated as needed.

Dimensions







machine width: 55 mm

Specifications

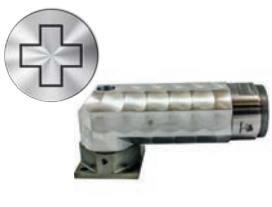
Specifications MF3-25			Pneumatic Motor		
Working range ID-OD	12,5 - 63,5 mm	0,492 - 2,5“	Power	850 W	1,2 HP
Clamping range OD-OD	20 - 63,5 mm	0,787 - 2,5“	Air pressure	6 bar	87 psi
Max. wall-thickness	15 mm	0,59“	Air consumption	0,96 m³/min	33,9 cfm
Feed	25 mm	0,984“	Air hose connection	1/4“	1/4“
Weight with electric motor	9,6 kg	21,2 lb	Features	speed control	
Weight with pneumatic motor	8,4 kg	18,5 lb	Electric Motor		
Weld prep	facing, V-prep, J-prep, counter boring		Power consumption	1.500 W (110V/230V)	2,0 HP
Materials	steel, stainless steel, duplex, high alloyed		Features	restart and overload protection, speed adjustment, torque control	
Tooling	tool bits, TiN inserts, custom bits				
Machine body	Aluminium alloy				

Accessories & additional options

Tools for MF4-R
from page 48

Tube fin removal
from page 48

Easy-to-fit Solutions



Angle drive

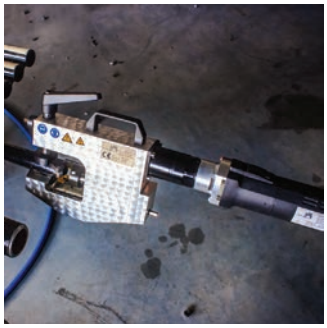
PIPE BEVELER MF3-25 XL

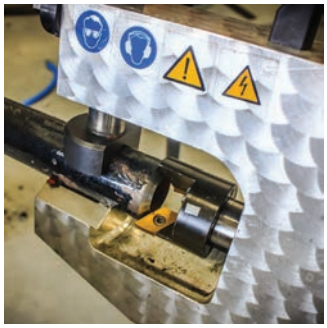
Pipe beveler MF3-25 XL

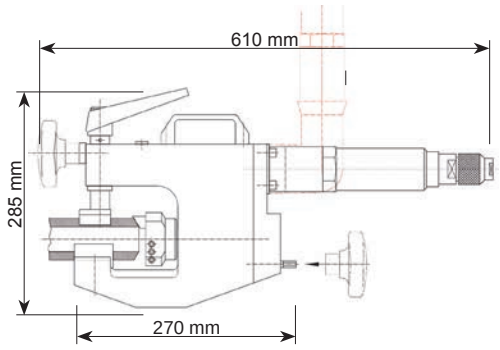
Clamping range OD-OD: 20 - 76,1 mm

The Pipe Beveler MF3-25 XL is used for the preparation of pipe ends, i.e. cutting of welding edges at individual pipes or membrane walls. Because of its small dimension, it is particularly suitable for the preparation inside membrane wall. The machine can optionally be equipped with a pneumatic or an electric motor.

Dimensions







machine width: 55 mm

Specifications

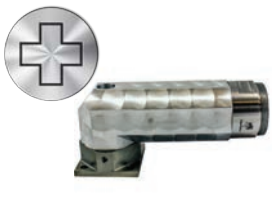
Specifications MF3-25 XL			Pneumatic Motor		
Working range ID-OD	12,5 - 76,1 mm	0,496 - 2,996“	**Power**	850 W	1,2 HP
Clamping range OD-OD	20 - 76,1 mm	0,787 - 2,996“	**Air pressure**	6 bar	87 psi
Max. wall-thickness	15 mm	0,58“	**Air consumption**	0,96 m³/min	33,9 cfm
Feed	25 mm	0,59“	**Air hose connection**	1/4“	1/4“
Weight with electric motor	10 kg	21,2 lb	**Features**	Geschwindigkeitsregulierung	
Weight with pneumatic motor	8,8 kg	18,5 lb	**Electric Motor**		
Weld prep	facing, V-prep, J-prep, counter boring		**Power consumption**	1.500 W (110V/230V)	2,0 HP
Materials	steel, stainless steel, duplex, high alloyed		**Features**	restart and overload protection, speed adjustment, torque control	
Tooling	tool bits, TiN inserts, custom bits				
Machine body	Aluminium alloy				

Accessories & additional options

Tools for MF4-R
from page 48

Tube fin removal
from page 48

Easy-to-fit Solutions



Angle drive

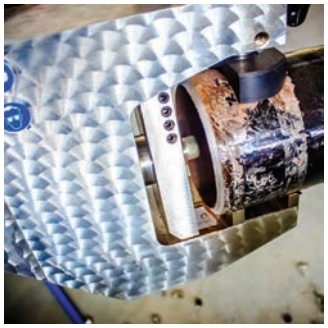
Video of application

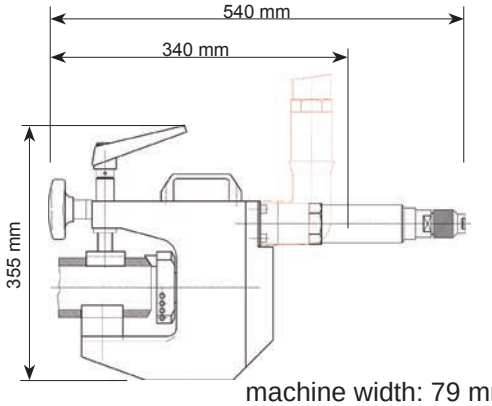
Pipe beveler MF4

Clamping range OD-OD: 38 - 133 mm

The Pipe Beveler MF4 is used for the preparation of pipe ends, cutting of welding edges of individual pipes or membrane walls.Besides the conventional design in which the motor and the milling spindle are arranged in line, the unit can be equipped with an angular drive on request. This allows using the machine in limited spaces. Furthermore, the feed star wheel can be relocated as needed.

Dimensions





machine width: 79 mm

Specifications

Spezifikationen MF4			Pneumatic Motor		
Working range ID-OD	25 - 133 mm	0,984“ - 5,236“	Power	850 W	1,2 HP
Clamping range OD-OD	38 - 133 mm	1,496 - 5,236“	Air pressure	6 bar	87 psi
Max. wall-thickness	25 mm	0,984“	Air consumption	0,96 m³/min	33,9 cfm
Feed	15 mm	0,59“	Air hose connection	1/4“	1/4“
Weight with electric motor	14,2 kg	31,75 lb	Features	speed control	
Weight with pneumatic motor	13 kg	26,5 lb	Electric Motor		
Weld prep	facing, V-prep, J-prep, counter boring		Power consumption	1.500 W (110V/230V)	2,0 HP
Materials	steel, stainless steel, duplex, high alloyed		Features	restart and overload protection, speed adjustment, torque control	
Tooling	tool bits, TiN inserts, custom bits				
Machine body	Aluminium alloy				

Accessories & additional options

Toos for MF4-R
from page 48

Tube fin removal
from page 48

Easy-to-fit Solutions

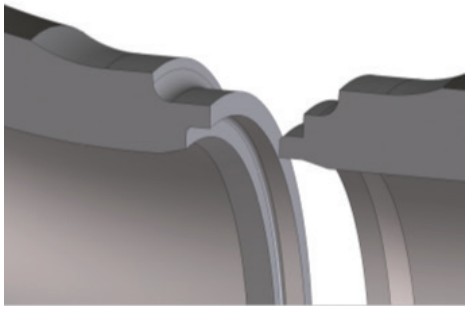
Angle drive

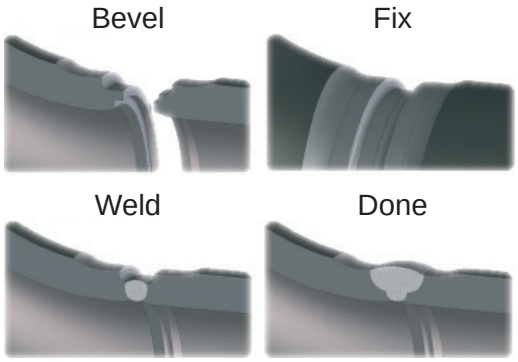
THE FUTURE OF PIPE WELDING

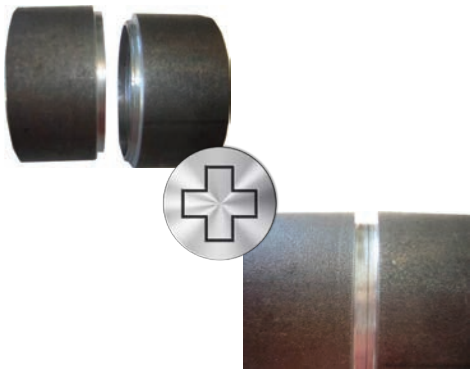
Mechanized Easy-to-Fit beveling

Advantages:

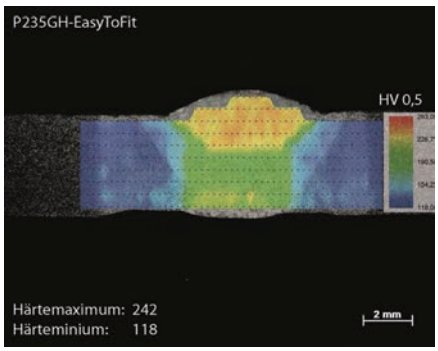
- Total cost reduction of 50% in pipe welding process
- Reliable, repeatable, independent from workers qualification
- Reduction of pressure loss at the inside of pipe
- Mechanical centering, no pipe welding clamps needed
- Perfect prep for automatic orbital welding







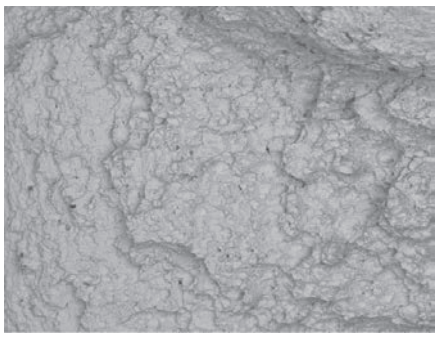
Analysis from German university and welding institute



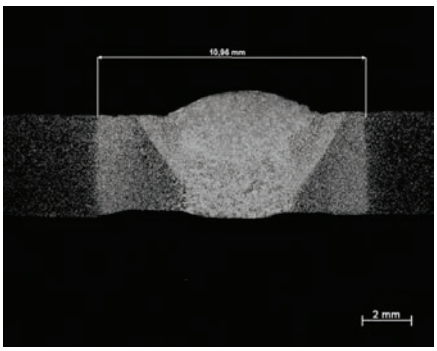
Improved Hardness

Easy-to-Fit

Improvements by automatic beveling and welding have been proved by IFS and Technical University Chemnitz in Germany



Improved break analysis



Less heat affected Zone

Pipe beveling machine MF3-EF

Clamping range OD-OD: 20 - 63,5 mm

- Max. wall thickness: 10 mm
- Min. pipe inside diameter: 36 mm for Easy-to-fit applications
- Materials: steel, stainless steel, duplex, high alloyed
- TiN inserts

Easy-to-fit advantages

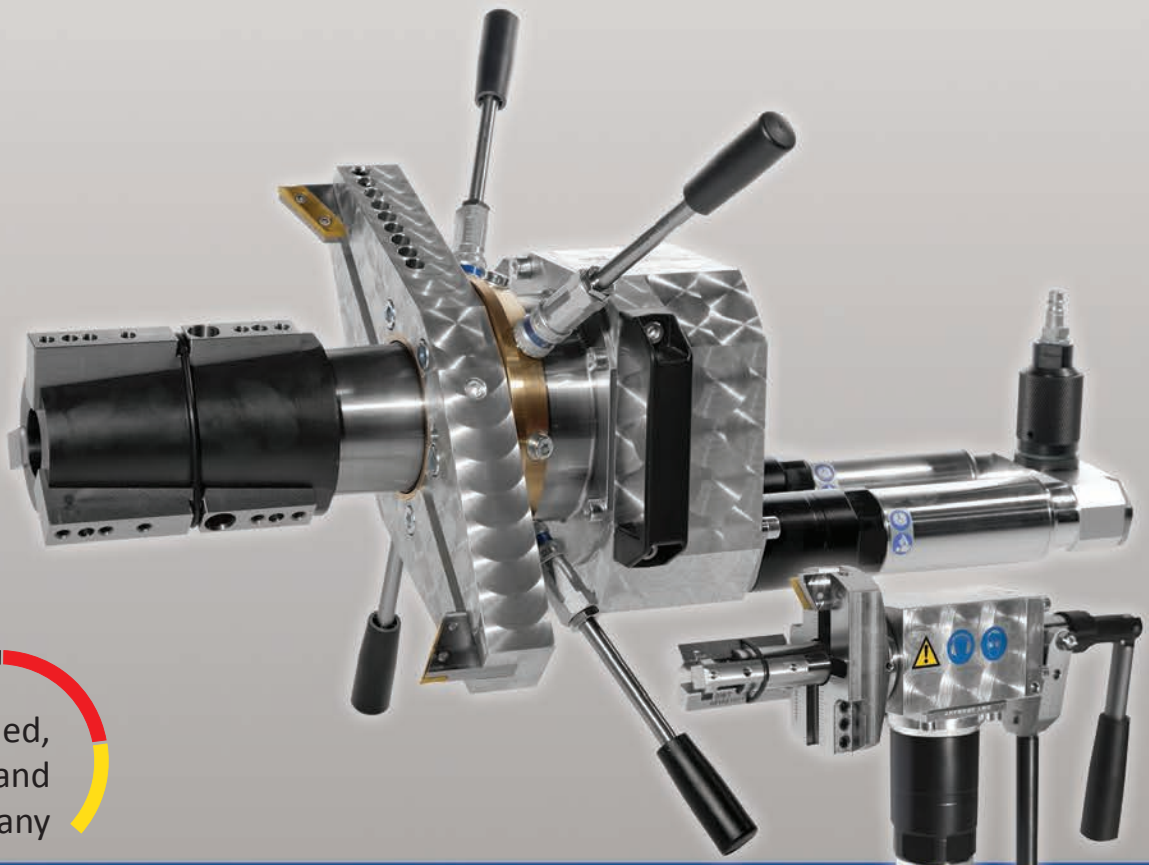
- Reduction of the total cost of producing a weld seam
- No more alignment, pipes are “ready to weld”
- Can be repeated reliable for process stability
- Quality assurance of the weld

Innovations like Easy-to-Fit can only be achieved with close end user contacts and an in-depth understanding of the corresponding application. Together with an Austrian customer who was prepared to take a revolutionary path from the beginning, the innovation was created. Nowadays many DWT customers use this brilliant system with big benefits and increase their competitiveness.

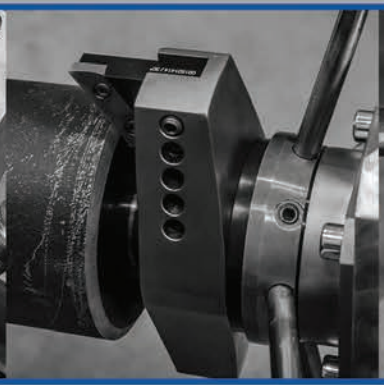
Designed,
developed and
made in Germany

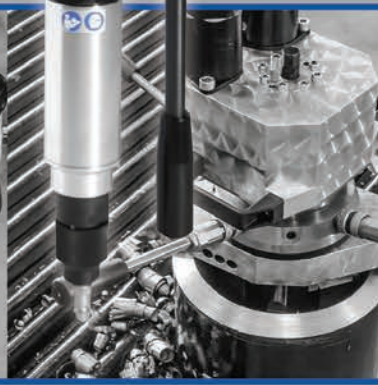
PIPE BEVELING MACHINES

Our portfolio of portable pipe beveling machines for mechanical pipe edge preparation and orbital welding makes the job easy to be done on-site or in the workshop.



Designed, developed and made in Germany





The pipe beveling machine is fixed on the workpiece with an inside clamping mechanism. It is operated by one welder, who gives a manual feed to the pipe beveling machine with a lever, ratchet or turnstile. Two or more cutters are fixed in the blade holder. The speed of is adjustable and depends on material, wall thickness and diameter.

Make the perfect bevel

All pipe bevelling machines are available with electrical or pneumatic drive. Due to aluminum housing the machines have a very low weight, which makes the preparation of heavy wall pipes with high wall-thickness on-site a lot more convenient. A large application area and special tools are available. Pipe edge preparation is also necessary for orbital welding to achieve the best weld edge preparations with outside and inside beveling. Also a preparation of alloy pipes is possible.

Properties / Benefits:

- High cutting capacity
- Quick and secure clamping
- Rugged and compact construction
- Easy handling
- High quality weld prep
- Less noise, dust and sparks
- Ergonomic
- High metal removal rate

Quality control:

Without exception, all DWT pipe milling machines undergo strict quality checks in every production phase in order to be able to guarantee top-quality products at all times.

Delivery:

Professional transport case made of metal and wood.

	Pipe beveling machines OD mount					
Portable machine Type	**MF2iw**	**MF3iw**	**MF3i**	**MF4i**	**MF5i**	**MF6i-50**
Clamping range ID-ID (mm)	11 - 28	25 - 114,3	40 - 168,3	58 - 219,1	100 - 323,9	280 - 711
Clamping range ID-ID (inch)	0,433 - 1,102	0,984 - 4,488	1,063 - 6,614	2,283 - 8,626	3,937 - 18,110	11,024 - 27,992
Working range ID-OD (mm)	11 - 22	25 - 96	40 - 152	58 - 217	100 - 320	280 - 700
Working range ID-OD (inch)	0,433 - 0,866	0,638 - 3,779	0,984 - 5,984	2,283 - 8,543	3,937 - 17,323	11,023 - 27,559
Pipe wall thickness (mm)	max. 3	max. 15	max. 25	max. 25	max. 30	max. 36
Spindle stroke (mm)	20	20	15	30	30	50
Weight (kg)	2,7	5,8	10,3	17,9	23,8	79
Pneumatic motor (kW)	0,37	0,85	0,85	2 x 0,85	2 x 0,85	3 x 0,85
Electric motor (kW)	/	1,5	1,5	/	2,2	/
Pneumatic motor	●	●	●	●	●	●
Electric motor		●	●	●	●	
Hydraulic motor					●	●
Option angle pneumatic motor			●			
Option angle electric motor			●			

PIPE BEVELING MACHINE MF2iw

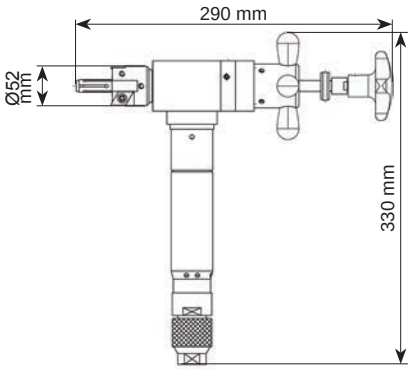
Video of application

Pipe beveling machine MF2iw

Working range ID-OD: 11 - 28 mm

The portable MF2iw is used for weld preparation of tube ends, branches and headers. It is used for steam bloc vessles to process pipe walls, to cut out pipes or to chamfer welds. MF2iw is be equipped with a compressed air motor that arranged in 90° to the sleeve. The clamping is controlled by switching the lever star wheel, the feed by turning the star handle.

Dimensions



machine width: 46 mm

Specifications

Specifications MF2iw			Pneumatic Motor		
Clamping range ID-ID	11 - 22 mm	0,433 - 0,866“	**Power**	370 W	0,5 HP
Working range ID-OD	11 - 28 mm	0,433 - 1,102“	**Air pressure**	6 bar	87 psi
Max. wall-thickness	3 mm	0,118“	**Air consumption**	0,60 m³/min	21,2 cfm
Feed	20 mm	0,787“	**Air hose connection**	1/4“	1/4“
Weight with pneumatic motor	2,7 kg	6,0 lb	**Features**	speed control	
Weld prep	facing, V-prep,				
Materials	steel, stainless steel, duplex, high alloyed				
Tooling	tool bits, TiN inserts, custom bits				
Machine body	Aluminium alloy				

Accessories & additional options

Tools for MF2iw
from page 48

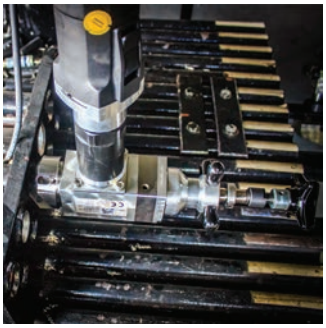
Video of application

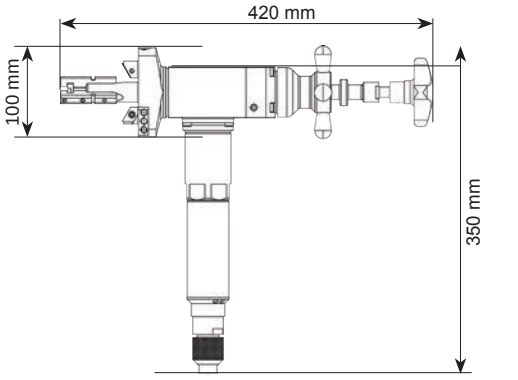
Pipe beveling machine MF3iw

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

The MF3iw is used for pipe edge preparation, branches and headers. The machine is used for steam bloc vessles to process pipe walls, to cut out pipes or to chamfer welds. MF3iw can optionally be equipped with an air or an electric motor that arranged in 90° to the sleeve.

Dimensions





machine width: 60 mm

Specifications

Specifications MF3iw			Pneumatic Motor		
Clamping range ID-ID	25 - 96 mm	0,984 - 3,779“	**Power**	850 W	1,2 HP
Working range ID-OD	25 - 114,3 mm	0,984 - 4,488“	**Air pressure**	6 bar	87 psi
Max. wall-thickness	15 mm	0,590“	**Air consumption**	0,96 m³/min	33,9 cfm
Feed	20 mm	0,787“	**Air hose connection**	1/4“	1/4“
Weight with electric motor	7,0 kg	15,4 lb	**Features**	speed control	
Weight with pneumatic motor	5,8 kg	12,8 lb	**Electric Motor**		
Weld prep	facing, V-prep, J-prep, counter boring		**Power consumption**	1.500 W (110V/230V)	2,0 HP
Materials	steel, stainless steel, duplex, high alloyed				
Tooling	tool bits, TiN inserts, custom bits		**Features**	restart and overload protection, speed adjustment, torque control	
Machine body	Aluminium alloy				

Accessories & additional options

Tools for MF3iw
from page 48

Tooling for heat exchanger repair

Push lever for fast feeding

Enlargement XL to cover range ID 16 - 96 mm (0,629 - 3,779 inch)

PIPE BEVELING MACHINE MF3i

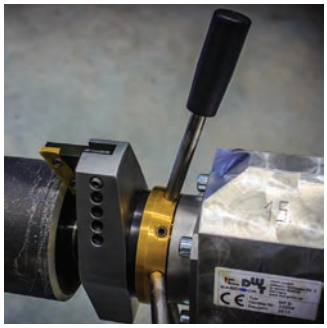
Video of application

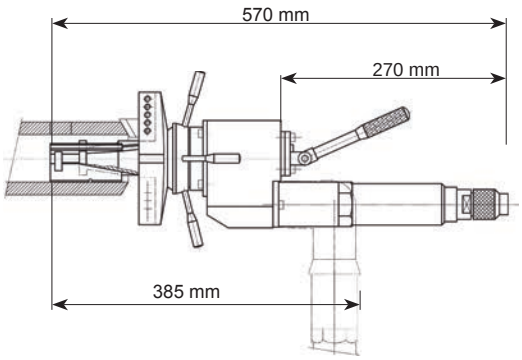
Pipe beveling machine MF3i

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

The MF3i is designed for the preparation of pipe ends, i.e. preparing of edges at individual pipe or membrane walls. It is used for steam bloc vessels to process pipe walls, to cut pipes or to chamfer welds. The machine can optionally be equipped with a compressed air an electric motor.

Dimensions





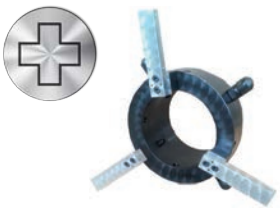
machine width: 89 mm

Specifications

Specifications MF3i			Pneumatic Motor		
Clamping range ID-ID	40 - 152 mm	1,574 - 5,984“	**Power**	850 W	1,2 HP
Working range ID-OD	40 - 168,3 mm	1,063 - 6,614“	**Air pressure**	6 bar	87 psi
Max. wall-thickness	25 mm	0,984“	**Air consumption**	0,96 m³/min	33,9 cfm
Feed	15 mm	0,591“	**Air hose connection**	1/4“	1/4“
Weight with electric motor	11,5 kg	25,3 lb	**Features**	speed control	
Weight with pneumatic motor	10,3 kg	22,7 lb	**Electric Motor**		
Weld prep	facing, V-prep, J-prep, counter boring		**Power consumption**	1.500 W (110V/230V)	2,0 HP
Materials	steel, stainless steel, duplex, high alloyed		**Features**	restart and overload protection, speed adjustment, torque control	
Tooling	tool bits, TiN inserts, custom bits				
Machine body	Aluminium alloy				

Accessories & additional options

Tools for MF3i
from page 48



Special tool for beveling elbows

Enlargement XL to cover range ID 25-152 mm (0,984- 5,984 inch)

Angle drive

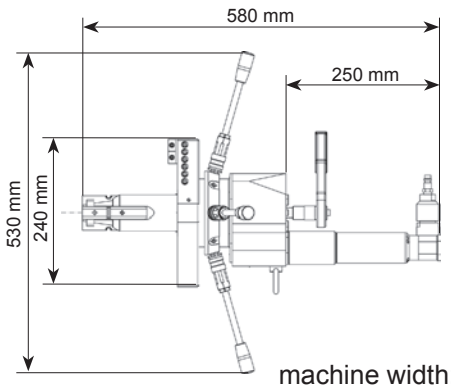
Video of application

Pipe beveling machine MF4i

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

The pipe beveling machine MF4i is designed for the preparation of pipe ends, branches and headers. It is used to process pipe walls, to cut pipes or to chamfer welds at steam bloc vessels. The machine is equipped with two air motors. The clamping device of the machine is regulated by a ratchet and the feed device by a star handle.

Dimensions

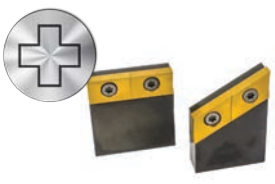


machine width: 147 mm

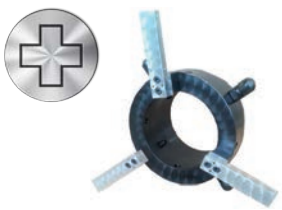
Specifications

Specifications MF4i			2 Pneumatic Motors		
Clamping range ID-ID	58 - 217 mm	2,283 - 8,543“	**Power**	1.700 W	2,4 HP
Working range ID-OD	58 - 219,1 mm	2,283 - 8,626“	**Air pressure**	6 bar	87 psi
Max. wall-thickness	25 mm	0,984“	**Air consumption**	1,92 m³/min	70,4 cfm
Feed	30 mm	1,181“	**Air hose connection**	3/8“	3/8“
Weight with pneumatic motor	17,9 kg	39,5 lb	**Features**	speed control	
Weld prep	facing, V-prep, J-prep, counter boring		**Electric Motor**		
Materials	steel, stainless steel, duplex, high alloyed		**Power consumption**	2.200 W (110V/230V)	2,9 HP
Tooling	tool bits, TiN inserts, custom bits		**Features**	speed adjustment, torque control	
Machine body	Aluminium alloy				

Accessories & additional options



Tools for MF4i
from page



Special tool for beveling elbows

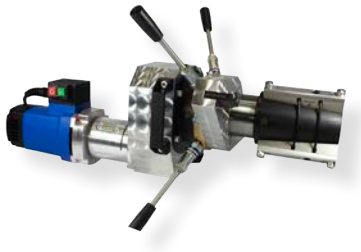
PIPE BEVELING MACHINE MF5i

Video of application

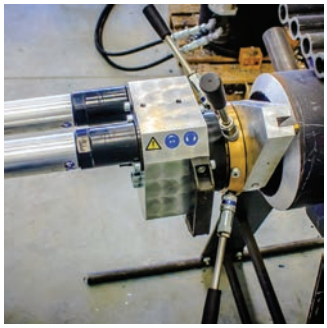
Pipe beveling machine MF5i

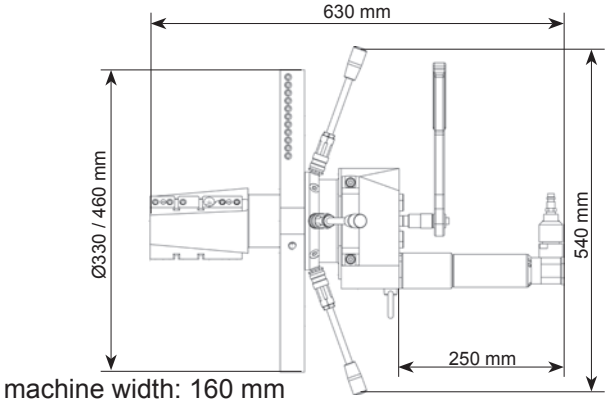
Working range ID-OD: 100 - 323,9 mm

The MF5i is designed for the preparation of pipe ends, branches and headers. It is used to process pipe walls, to cut pipes or chamfering of welds at steam bloc vessels. The machine is equipped with two compressed air motors. The clamping device of the machine is regulated by a ratchet and the feed device by a star handle.



Dimensions





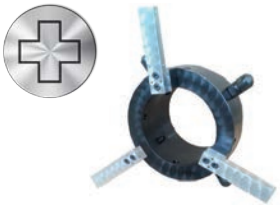
machine width: 160 mm

Specifications

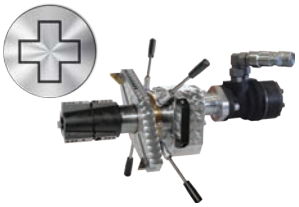
Specifications MF5i			2 Pneumatic Motors		
Clamping range ID-ID	100 - 320 mm	3,937 - 12,598“	**Power**	1.700 W	2,4 HP
Working range ID-OD	100 - 323,9 mm	3,937 - 13,070“	**Air pressure**	6 bar	87 psi
Max. wall-thickness	30 mm	1,181“	**Air consumption**	1,92 m³/min	70,4 cfm
Feed	30 mm	1,181“	**Air hose connection**	3/8“	3/8“
Weight with electric motor	29,0 kg	72,75 lb	**Features**	Geschwindigkeitsregulierung	
Weight with pneumatic motor	23,8 kg	52,5 lb	**Electric Motor**		
Weld prep	facing, V-prep, J-prep, counter boring		**Power consumption**	2.200 W (110V/230V)	2,9 HP
Materials	steel, stainless steel, duplex, high alloyed				
Tooling	tool bits, TiN inserts, custom bits		**Features**	speed adjustment, torque control	
			Hydraulic Motor		
Machine body	Aluminium alloy		**Power**	**8.000 W**	**10,7 HP**
			Air pressure	**140 bar**	**2030 psi**
			Ölfluss	**50 l/min**	

Accessories & additional options

Tools for MF5i
from page 48



Special tool for beveling elbows



Hydraulic driven machine

Enlargement XL to cover range 176-460 mm

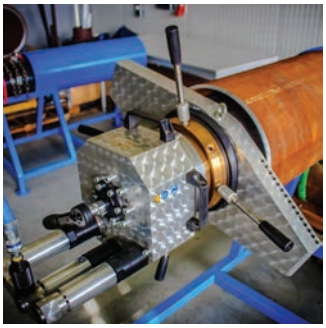
Video of application

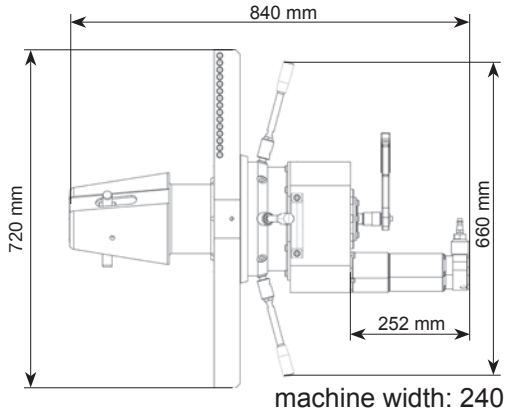
Pipe beveling machine MF6i-50

Working range ID-OD: 280 - 711 mm

This MF6i-50 can be used to machine and prepare edges on tubes, branches and headers. It is used to process pipe walls, pipe cutting or for chamfering of welds at steam bloc vessels. The machine is equipped with three air motors or two hydraulics motors. The clamping device of the machine is regulated by a ratchet and the feed device by star handle.

Dimensions



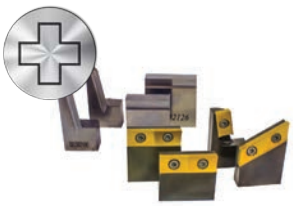


machine width: 240 mm

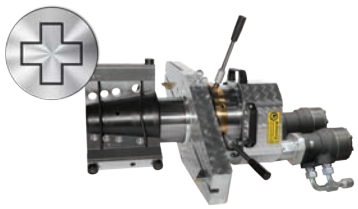
Specifications

Specifications MF6i-50			Pneumatic Motor		
Clamping range ID-ID	280 - 700 mm	11,024 - 27,559“	Power	2.550 W	3,6 HP
Working range ID-OD	280 - 711 mm	11,024 - 27,992“	Luftdruck	6 bar	87 psi
Max. wall-thickness	36 mm	1,181“	Air consumption	2,88 m³/min	101,7 cfm
Feed	50 mm	1,968“	Air hose connection	1/4“	1/4“
Weight with hydraulic motor	79 kg	174,2 lb	Features	speed control	
Weight with pneumatic motor	79 kg	174,2 lb	Hydraulic Motor		
Weld prep	facing, V-prep, J-prep, counter boring		Power	8.000 W	10,7 HP
Materials	Stahl, Edelstahl, Duplex, Legierungsstahl		Air pressure	140 bar	2030 psi
Tooling	steel, stainless steel, duplex, high alloyed		Ölfluss	50 l/ min	
Machine body	Aluminium alloy				

Accessories & additional options



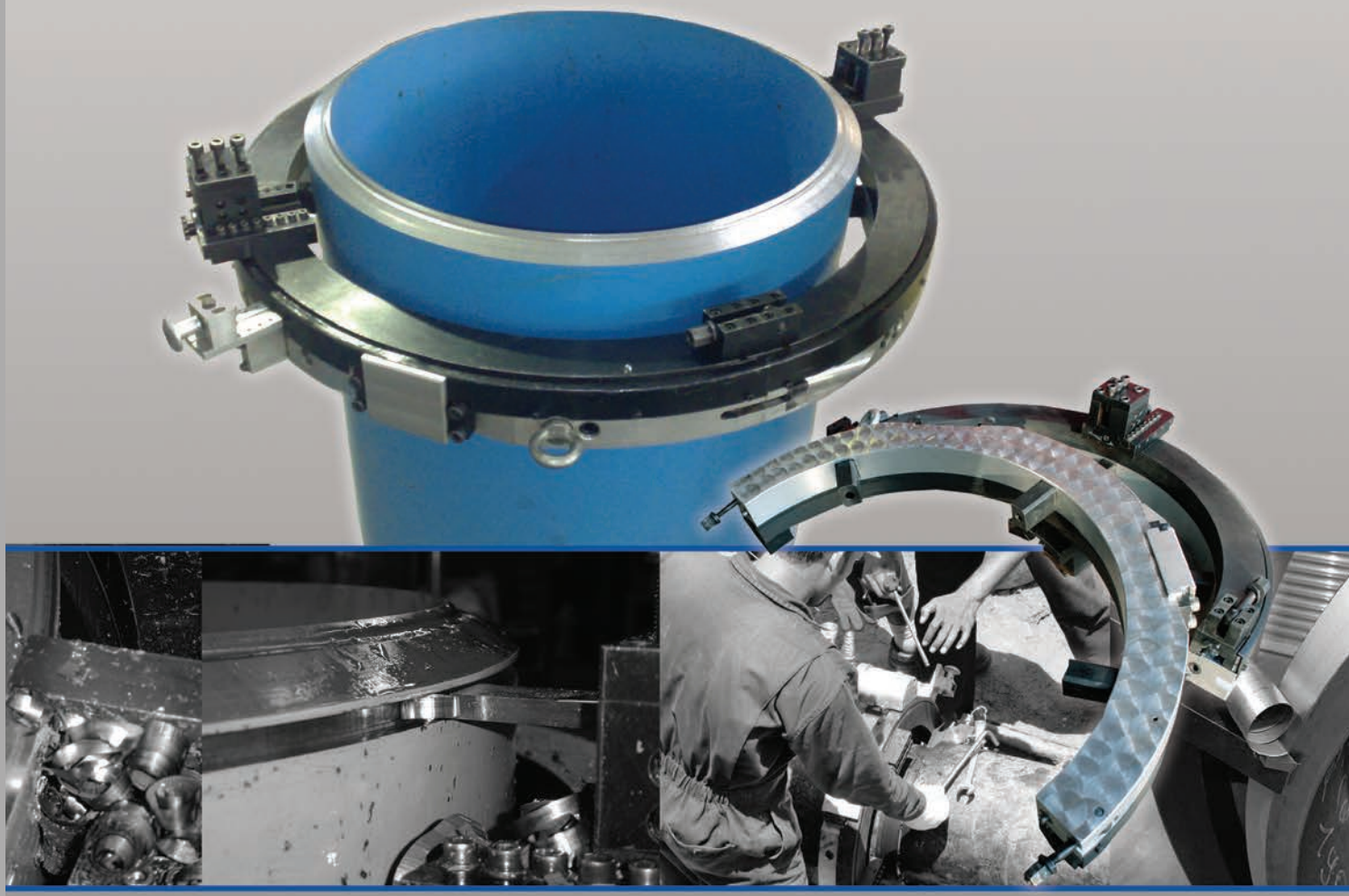
Tools for MF6i-50
from page 48



Hydraulic driven machine

PIPE COLD CUTTING AND BEVELING

The perfect machines for pipe cutting and beveling of heavy wall pipes. With our huge range of pipe cutting and pipe cutting and beveling machines every kind of pipe can be cut for further pipe edge preparation.



PIPE COLD CUTTING AND BEVELING MACHINE

In practice it has been proved that weld preparation of pipe ends influence in a high degree the quality of the welding junction. For welding applications of heavy wall pipes and for orbital pipe welding technology the welding engineer requires nowadays a perfect and effective weld preparation in pipe welding process by use of mechanized weld preparation. Our pipe cutting and beveling machines can machine diameters up to 66 inch outside diameter. Light in weight the machines are driven by pneumatic, electric or hydraulic motors and controllable by a single operator. The bevel cutting machines have a high metal removal rate, are easy to handle and constructed in a rugged and compact way.

The portable machine for steel pipe cutting type DLW has been developed in cooperation with European Offshore industry. The machine avoids any heat affected zone (haz) and is specially designed for heavy wall steel pipes in heavy duty applications. Their high working speed and quick readiness for use allow economic manufacture in on-site or off-site application.

Properties / Benefits:

- High cutting capacity
- Quick and secure clamping
- Rugged and compact construction
- Easy handling
- High quality weld prep
- Less noise, dust and sparks
- Ergonomic
- High metal removal rate

Quality control:

Without exception, all DWT pipe milling machines undergo strict quality checks in every production phase in order to be able to guarantee top-quality products at all times.

Delivery:

Professional transport case made of metal.

	Range		Wallthickness	Material	Drive	Application
	mm	inch				
DLW	60,3 - 1.219,2	2 - 48	max. 80 mm	steel, stainless steel, duplex, high alloys	Pneumatic Hydraulic Servo	Pipe cutting and beveling
DLW-HD	1.041,4 - 1.447,8	41 - 57	max. 80 mm	steel, stainless steel, duplex, high alloys	Pneumatic Hydraulic	Pipe cutting and beveling

Video of application

Pipe cold cutting machine typ DLW

Simultaneous cutting and bevelling of pipes

- Split-Frame Technology for endless heavy wall steel pipe
- Extremely low weight of the cold cutting machine for easy handling and lifting
- Compact dimensions for use in areas with limited access
- Quick and safe clamping and adjustment
- Cold cutting equipment developed with „On-Site Know-How“
- Perfect pipe cold cutter for machinery operations where cold cutting methods are often required

Split-Frame Technologie

Advantages

The portable pipe cutting machine for steel pipe machining of pipes on-site is able to perform beveling and cutting of steel pipes as well as stainless steel and high alloyed steel pipes.
The machines are reduced in weight and dimensions.
The accessories allow multiple operations, like beveling andcutting in one operation, inside beveling, flange repair of flange facing. The clamshell pipe cutter is available from 3 - 57“. The pipe cutter can do all kind of pipe weld preparation by use of different tools.

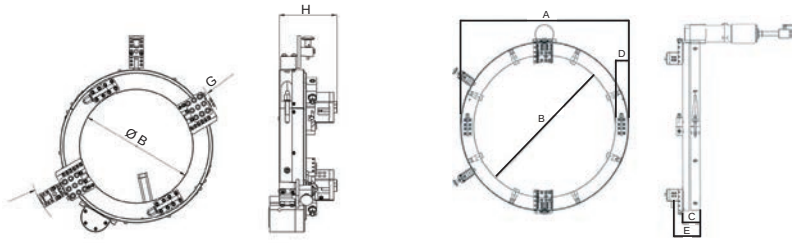
Intended use of pipe cold cutting machine

The DLW pipe cold bevel machine is designed for cutting, beveling and counter boring of piping, pipelines for production and repairs. With a special adapter flange preparations are possible.

The transportable pipe cold bevel machine, type DLW for the preparation of pipes and pipelines, can be nearly used without limitations on site. The machines are extremely lightweight, do not require much space and convince by a simple installation. They distinguish by its numerous machinery application possibilities.

The drives of the clamshell pipe cold cutter are a basic component of the pipe cutting machine. All motors are west european standard. An adapter allows easy exchange of all motor types and sizes (pneumatic, hydraulic):

- Modular design
- Easy exchange on-site
- Reduced investment



Typ No.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	G (mm)	H (mm)	Weight (kg)	Pipe OD (mm)		max. WT (mm)
									min.	max.	
DLW 2-6	319	182	88,5	68	120	202	188	23	60,3	168,30	80
DLW 4-8	366	232	88,5	68	120	224	188	27	88,9	219,1	80
DLW 5-10	420	286	88,5	68	120	249	188	30	114,3	273,1	80
DLW 6-12	470	340	88,5	68	120	261	188	34	141,3	323,9	80
DLW 8-14	496	368	88,5	68	120	262	188	38	193,7	355,6	80
DLW 10-16	550	421	88,5	68	120	317	188	42	244,5	406,4	80
DLW 12-18	604	470	88,5	68	127	341	188	45	298,5	457	80
DLW 14-20	655	525	88,5	68	127	369	188	50	330,2	508	80
DLW 18-24	759	625	88,5	68	127	420	188	60	431,8	610	80
DLW 24-30	920	775	88,5	74	127	496	188	83	584,6	762	80
DLW 30-36	1068	928	88,5	74	127	572	188	93	736,6	914,4	80
DLW 36-43	1250	1105	88,5	74	127	661	188	102	889	1092,2	80
DLW 40-48	1420	1245	95	89	151	731	194	194	990,6	1219,2	80
Heavy Duty Version											
DLW-HD 53	1609,7	1371,6	158,8	119,1	215,9	-	-	314	1041,4	1346,2	100
DLW-HD 55	1660,5	1422,4	158,8	119,1	215,9	-	-	325	1092,2	1397,0	100
DLW-HD 57	1711,3	1473,2	158,8	119,1	215,9	-	-	333	1143	1447,8	100

**other sizes on request, wall-thickness and pipe OD also depend on material and selected cutting tools*

Operations & options DLW cold cutter

Field of application :

- Radial pipe cold cutting
- Pipe beveling
- Simultanious cutting & beveling
- Beveling both end in one operation
- Inside machining of pipe ends
- Flange facing
- Outside machining of weld seams

Options drive of pipe cold cutter:

- Hydraulic motor (recommended), power 11.000 W
- Pneumatic motor up to DLW 12“ OD, power 1.700 W (air consumption: 1,80 m3/min)
- Pneumatic motor up to DLW 57“ OD, power 3.000 W (air consumption: 3,10 m3/min)
- Electrical motor (max. WT=10 mm) on request

All metal materials of pipe and pipeline:

- Duplex
- Hastelloy
- Superduplex
- Stainless steel
- P91
- Carbon steel

DRIVES FOR DLW

The new motor option to get the best performance in the machining process, many parameters are important: material, outside diameter, wall thickness, weld prep type, operator skills etc. Usually the machines were equipped with pneumatic or hydraulic motors. Even though these drives deliver tremendous power, but due to lack of parameter control and information in the process the operator had to be very skilled and trained.

Nowadays, the cold cutting machines can be equipped with electrical driven servo drive motors, where speed, torque and current can be displayed, measured and stored during the cutting process. Additionally, this motor does not slow or strain under load. With this intelligent controller, the operator can work perfectly with different materials and pipe characteristics onsite, always choosing the correct settings by help of the controller.

Video of application

Servo drive motor option

Suitable for pipe cold cutting machine type DLW

- Available in 230V and 240V
- For heavy wall cutting and beveling
- Shock proof and corrosion proof
- Big bright screen
- Emergency stop
- Speed, torque and current are controlled during the cutting & beveling process

	Range (Typ DLW)	Wallthickness	Material	Tooling
230V / 1,5 kW	DLW 2-6 - DLW 12-18	40 mm	steel, stainless steel	HSS tool bits
400 V / 3,5 kW	DLW 14-20 - DLW 40-48	80 mm	steel, stainless steel, duplex, high alloys	Inserts + HSS tool bits

The drives are a basic component of the machine. All motors are West-European standard. An adapter allows easy exchange of all motor types and sizes (pneumatic, hydraulic).
Further Advantages:

- Modular Design
- Easy exchange on-site
- Reduced investment

Pneumatic motor

Suitable for pipe cold cutting machine type DLW

	Range (Typ DLW)	Air consumption	Air pressure	Wallthickness	Material	Tooling
1.700 W / 1,7 kW	DLW 2-6 - DLW 6-12	1,80 m³/min	6,0 bar	80 mm	steel, stainless steel	HSS tool bits
3.000 W / 3 kW	DLW 8-14 - DLW-HD 57	3,10 m³/min	6,0 bar	100 mm	steel, stainless steel, duplex, high alloys	HSS tool bits

Hydraulic motor

Suitable for pipe cold cutting machine type DLW

	Range (Typ DLW)	Wallthickness	Material	Tooling
11.000 W / 11 kW	DLW 2-6 - DLW-HD 57	100 mm	steel, stainless steel, duplex, high alloys	Inserts + HSS tool bits

Special equipment for DLW

Pipe cold cutting machine

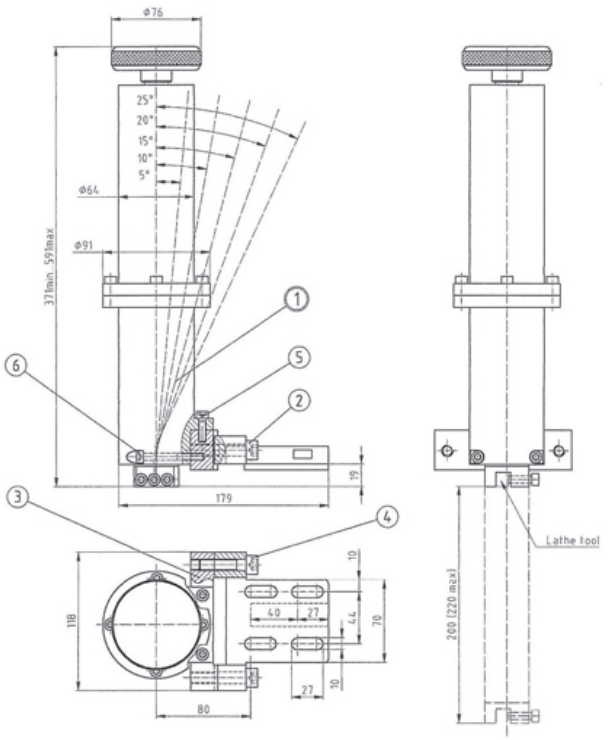
- Inside counterbore
- Flange facing
- Outside turning module
- Spring load holder
- Deck Cutter

Inside counterbore

DLW-CB:

Internal beveling device for calibration of inside diameter and inside boring of max. 200 mm depth (CB1: 200 mm, CB2: 90 mm depth), adjustable 0° - 25°.

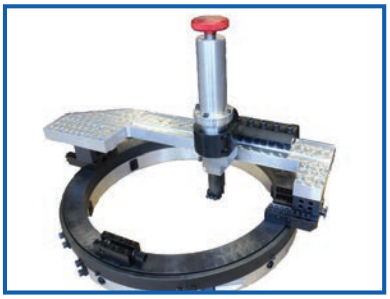
Video of application



Flange facing

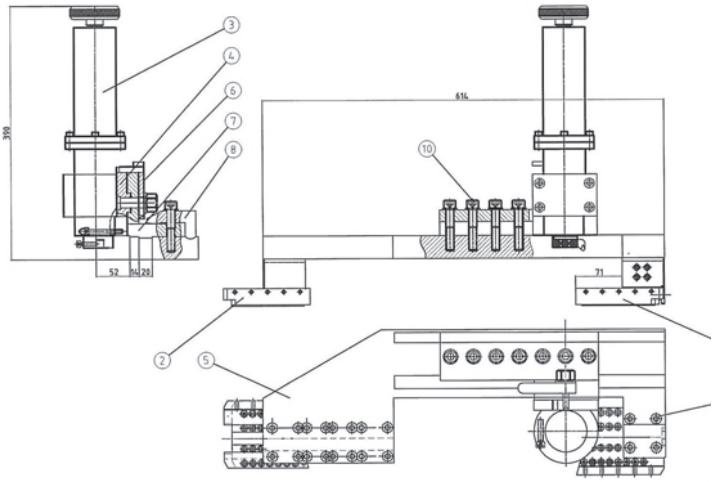
DLW-FF:

Flange facing device for DLW machi-nesto regroove the flange surface, automatic feed mechanism to be used together with DLW-CB. Suitable for DLW 5-10 up to max. DLW 30-36.



*Picture shows DLW-FF incl. DLW-CB

Video of application

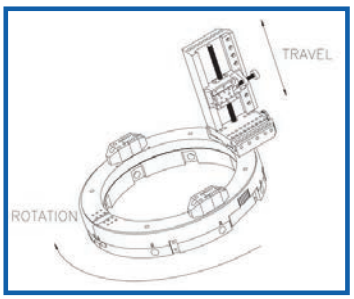


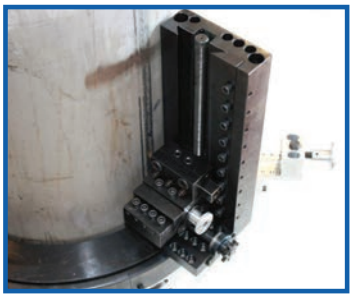
Outside turning module

DLW-ETM

The external turning module DLW-ETM can be used for external machining of heavy wall steel pipes. External insulation of pipelines as well as overlapping weld seams can be removed.

Travel: 188mm

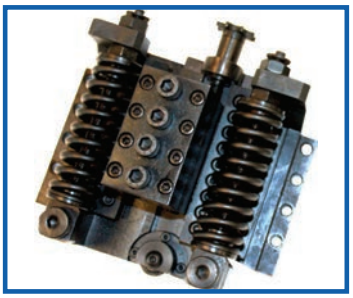


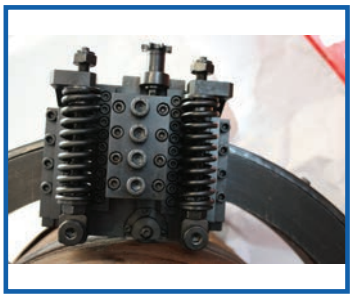


Spring load holder

DLW-SLH

The spring load holder DLW-SLH is used for pipe cold cutting and fast beveling of out-of-round pipes. The spring load holder provides a perfect beveling result for this application.

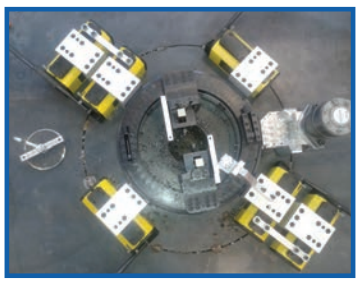


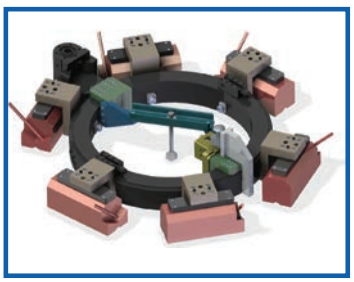


Deck cutter

Application:

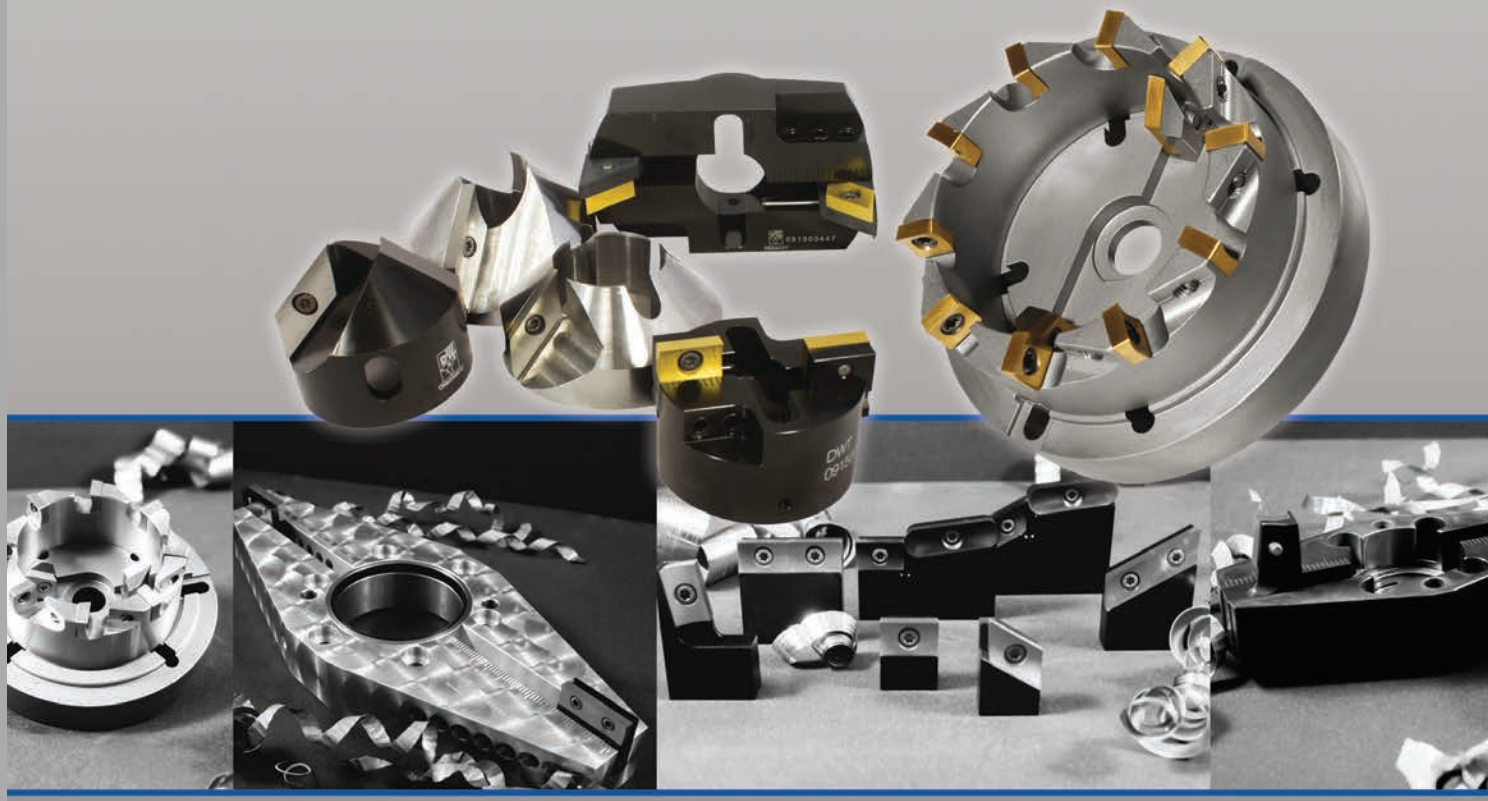
By using strong magnets and a special tool holder all DLW machines from 12 – 48 ‘’ can be converted to a deck cutter. This is a portable machine which is able to cut big holes in heavy wall plates.





TOOLING

Perfect tools as tool bits, inserts, insert holders, tools holders and boiler tube fin removal tools cover all weld prep applications. Out tools for pipe beveler are manufactured of high quality premium tool steel and made in Germany.



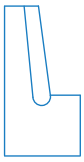
The tooling covers all standard machine operations like Jprep, compound bevel, counter boring, facing and beveling 30° or 37,5°. Also customized tool bits can be produced according to the need of our customers. The tool bits are produced from high quality tool steel, are manufactured and tested to the highest standards in the industry.

For machine type

MF3i, MF4i, MF5i, MF6i-50	MF3-25, MF4, MF3iw, MF4-R

Counter boring

091502185
10° - internal



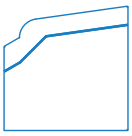
091502186
8° - internal

091502162
10° - internal
short

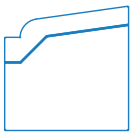
091502163
8° - internal

091502135
10° - internal
short

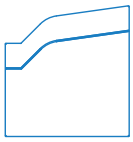
J prep



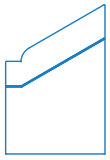
091502134
DIN 2559-4
(30°/R6/8°)



091502133
DIN 2559-3
(0°/R6/8°)



091502128
DBS 34-R3
(0°/45°/R9/8°)

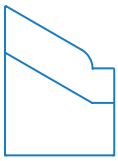


091502127
DBS 34-R5
(0°/R5/30°)

091502160
DIN 2559-4
(30°/R6/8°)

091502148
DIN 2559-3
(0°/R6/8°)

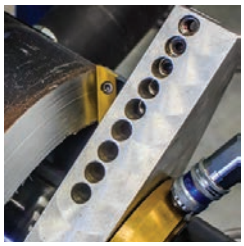
091502154
DBS 34-R3
(0°/45°/R9/8°)



091502159
DBS 34-R5
(0°/R5/30°)

Customized tool bits on request!

INSERTS FOR PIPE BEVELER



The TiN duplex inserts for pipe beveler are coated with titanium nitrid and are field-proven since many years. Due to geometry and cutting edge of the insert they do a lotter better job than standard solid bits. Easy to be turned or changed on-site the extremely durable bits assure low costs, more precise operations by generating less heat and faster cut times increases productivity. The duplex TiN inserts are interchangeable in between several machines and cut down the operating expenses.

TiN + Duplex

	Machines	0° TiN (part no.)	30° + 37,5° TiN (part no.)	Counter Boring (part no.)	J-prep (part no.)
MF 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
MF außenspannend	MF3-R	091501106	091501108	-	-
	MF4-R	091501106	091501108	-	-
	MF3-EF			-	-
	MF2-25	091501106	091501108	-	-
	MF3-25	091501106	091501108	-	-
	MF4	091501106	091501108	-	-

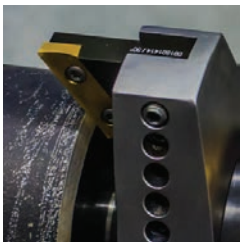
Insert 0°

Insert 30/37,5°

Customized Insert

Insert J-prep

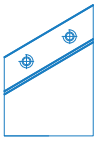
Our insert holder for pipe beveler is manufactured from high quality premium tool steels with approved design, to provide the perfect operation. Rigid holders, corrosion protected assure trouble free and vibration free cutting process. In combination with our duplex inserts they perform a brilliant job to reduce investment and operation expenses.



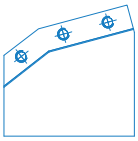
	Machines	0° (part no.)	30° (part no.)	37,5° (part no.)	0° + 30° (part no.)	37,5° / 10° (part number)	0° + 37,5° (part no.)	Counter Boring (part no.)	J-prep (part no.)
MF ID Mount	MF2iw	Inserts 0° / 30° will be fixed by Tool holders (next page)			-	-	-	-	-
	MF3iw	091502138	091502136	091502268	-	-	-	-	-
	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
MF OD Mount	MF3-R	Inserts will be fixed by Tool holders (next page)							
	MF4-R	091502138	091502136	091502268	-	-	-	-	-
	MF2-25	Inserts will be fixed by Tool holders (next page)							
	MF3-25	091502138	091502136	091502268	-	-	-	-	-
	MF3-25 XL	091502138	091502136	091502268	-	-	-	-	-
	MF4	091502138	091502136	091502268	-	-	-	-	-

Insert holder
0°
34 mm
short
(091501413)

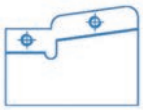
Insert holder
0°
40 mm
long
(091502125)



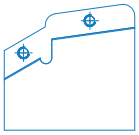
Insert holder
30° + 37,5°



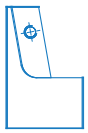
Insert holder
37,5°/10°



Insert holder
J-prep
0°/R6/8°
(091505366)



Insert holder
J-prep
30°/R6/8°
(091505365)

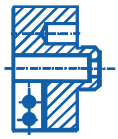


Insert holder
Boring
10° inside
(091500665)

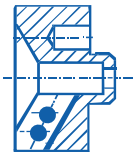
TOOL HOLDERS

All tool holder for pipe beveler are manufactured from high quality premium tool steels with approved design, to provide the perfect operation. Rigid holders, corrosion protected assure trouble free and vibration free cutting process. In combination with our duplex inserts they perform a brilliant job to reduce investment and operation expenses.

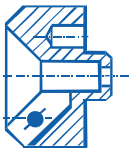
MF3-R



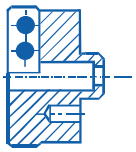
091502825
Tool holder 0°
ID 5 - OD 45 mm



091502824
Tool holder 30°
ID 12 - OD 45 mm

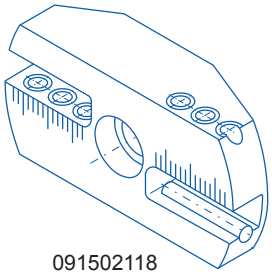


091502999
Tool holder 45°
ID 8 - OD 32 mm



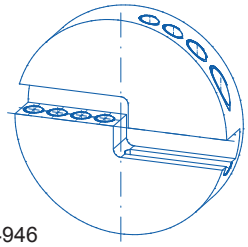
091502870
Special Tool holder

MF4-R



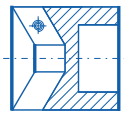
091502118
Tool holder
Working range: ID 30 - OD 88,9 mm

MF3-EF

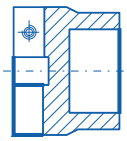


091504946
Tool holder
ID 10 - OD 63,5 mm

MF2-25

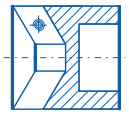


091503868
Tool holder 30°
ID 12 - OD 38 mm

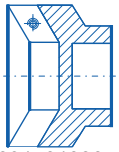


091504432
Tool holder 0°
ID 10 - OD 38 mm

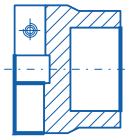
MF3-25



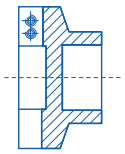
091501029
Tool holder 30°
ID 12 - OD 44,5 mm



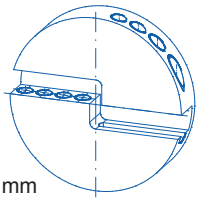
091501030
Tool holder 30°
ID 12 - OD 63,5 mm



091501031
Tool holder 0°
ID 12 - OD 44,5 mm

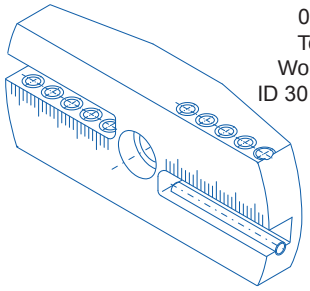


091501032
Tool holder 0°
ID 12 - OD 63,5 mm

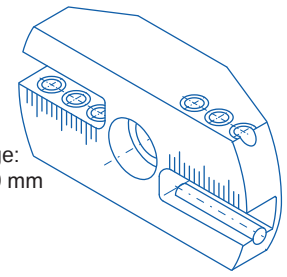


091504946
Tool holder
ID 10 - OD 63,5 mm

MF4

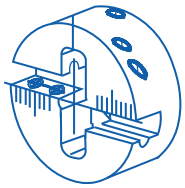


091502111
Tool holder
Working range:
ID 30 - OD 133 mm

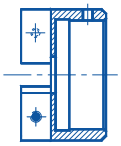


091502118
Tool holder
Working range:
ID 30 - OD 88,9 mm

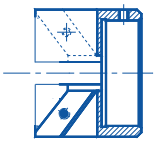
MF2iw



091505328
Special
Tool holder
Working range:
ID 11 - OD 28 mm

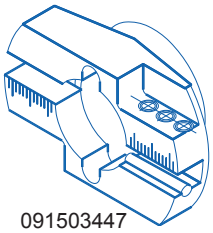


091505347
Tool holder 0°
(ID 11 - OD 28 mm)

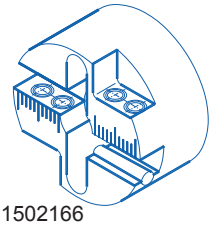


091505348
Tool holder 30°
(ID 11 - OD 28 mm)

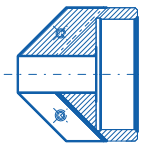
MF3iw



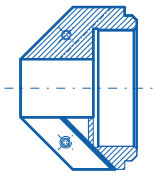
091503447
Tool holder
Working range:
ID 25 - OD 114,3 mm



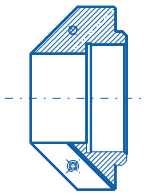
091502166
Tool holder
Working range:
ID 16 - OD 62 mm



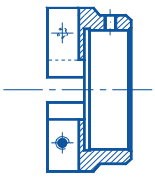
010007080
Tool holder 45°
(ID 16 - OD 56 mm)



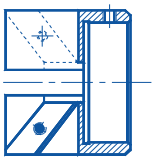
010007079
Tool holder 45°
(ID 25 - OD 66 mm)



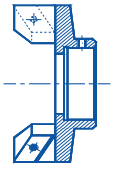
091501107
Tool holder 45°
(ID 40 - OD 82 mm)



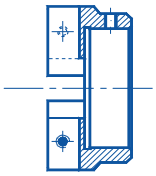
091501113
Tool holder 0°
(ID 16 - OD 56 mm)



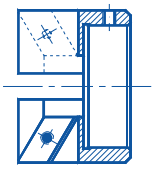
091501101
Tool holder 30°
(ID 16 - OD 50 mm)



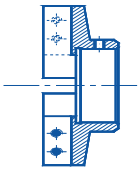
091501112
Tool holder 30°
(ID 70 - OD 103 mm)



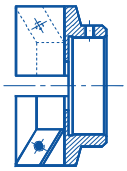
091501114
Tool holder 0°
(ID 25 - OD 64 mm)



091501102
Tool holder 30°
(ID 25 - OD 58 mm)

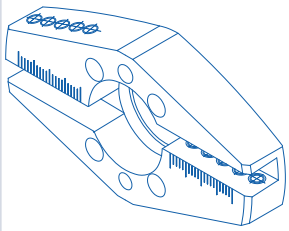


091501104
Tool holder 0°
(ID 40 - OD 104 mm)

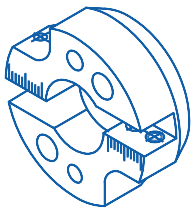


091501103
Tool holder 30°
(ID 40 - OD 78 mm)

MF3i

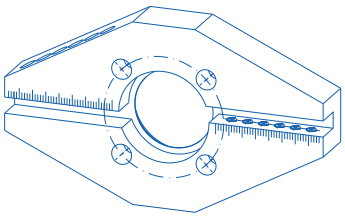


09152139
Tool holder for Sleeve 2
Working range:
ID 40 - OD 168 mm



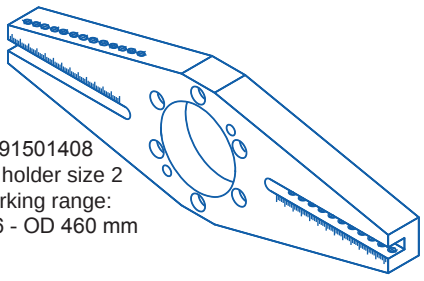
091502144
Tool holder for Sleeve 1
Working range:
ID 25 - OD 84 mm

MF4i

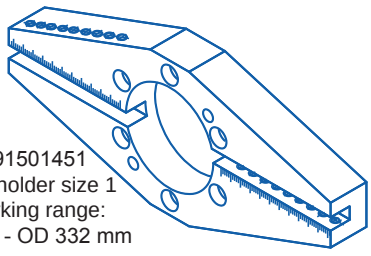


091505605
Tool holder
Working range:
ID 58 - OD 219,1 mm

MF5i

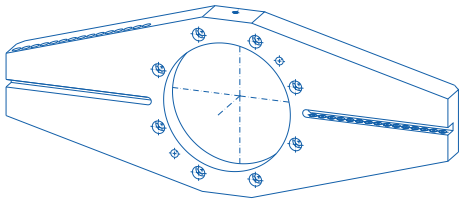


091501408
Tool holder size 2
Working range:
ID 176 - OD 460 mm



091501451
Tool holder size 1
Working range:
ID 100 - OD 332 mm

MF6i-50

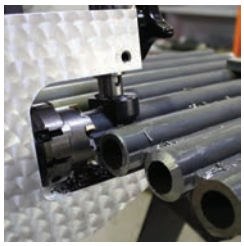


091503168
Tool holder
Working range:
ID 280 - OD 711 mm

The OD, stated in the working range, is in accordance with the outer diameter of the tool holder!

BOILER TUBE FIN REMOVAL TOOLS

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.



Tube - Ø (mm)	All neccessary parts for one complete unit					Spare parts			
	1	2	3	4	5	6	7	8	9
	TT crown milling cutter with knox screws M4 and 4 srews M5x25	TT 0° Part no. 91502494	Basic holder (compl. thread-pin M8 x 10)	TT-tool tip holder 30° 2 pcs. per crown milling cutters	TT 30° for tool tip holder 1 pcs. per TT-holder	Knox screws M4 (TT) 1 pcs. per TT	Holding-down bolts: Screw M5 x 20 4 pcs.	Holding-down bolts: Screw M5 x 20 1 pcs. per TT-holder	Holding-down bolts: Thread-pin M8 x 10 1 pcs. per basic holder
MF2-25	**Part no.**	**Pieces**	**Part no.**	**Part no.**	**Part no.**	**Part no.**	**Part no.**	**Part no.**	**Part no.**
20,0	091503973	4							
21,3	091503972	4							
25,0	091503971	6		091502483 compl. with 1 Knox screw M4 and 1 screw M5 x 20					
26,9	091503969	6							
28,6	091504440	6	091503974		091502495	091502468	000488737	000983010	091500642
30,0	091502588	6							
31,8	091502484	6							
33,7	091502467	6							
35,0	091502485	6							
38,0	091502457	6							
MF3-25 MF3-25 XL	**Part no.**	**Pieces**	**Part no.**	**Part no.**	**Part no.**	**Part no.**	**Part no.**	**Part no.**	**Part no.**
30,0	091502588	6							
31,8	091502484	6							
33,7	091502467	6	091502458 (Size 1) oder 091502460 (Size 2)	091502483 compl. with 1 Knox screw M4 and 1 screw M5 x 20					
35,0	091502485	6							
38,0	091502457	6							
42,4	091502486	6							
44,5	091502487	6			091502495	091502468	000488737	000983010	091500642
48,3	091502488	8							
51,0	091502489	8							
57,0	091502459	8	091502460 (Size 2)						
60,3	091502490	8							
63,5	091502491	10							
MF4	**Part no.**	**Pieces**	**Part no.**	**Part no.**	**Part no.**	**Part no.**	**Part no.**	**Part no.**	**Part no.**
44,5	091502487	6							
48,3	091502488	8		091502483 compl. with 1 Knox screw M4 and 1 screw M5 x 20					
51,0	091502489	8							
57,0	091502459	8	091502479		091502495	091502468	000488737	000983010	091500642
60,3	091502490	8							
63,5	091502491	10							
70,0	091502492	10							
76,1	091502493	10							

TOOLING FOR DLW PIPE CUTTING AND BEVELING

Developed with German universities our tool tip solutions for pipe cutting and beveling provide an outperforming result pipe cutting technologies:

- High metal rate
- More durable cutter, reduction of consumables
- Low cost of tool tips

091505182
30° RH

091505183
37,5° RH

091505184
37,5°/10° RH

091505185
80 mm cutting off

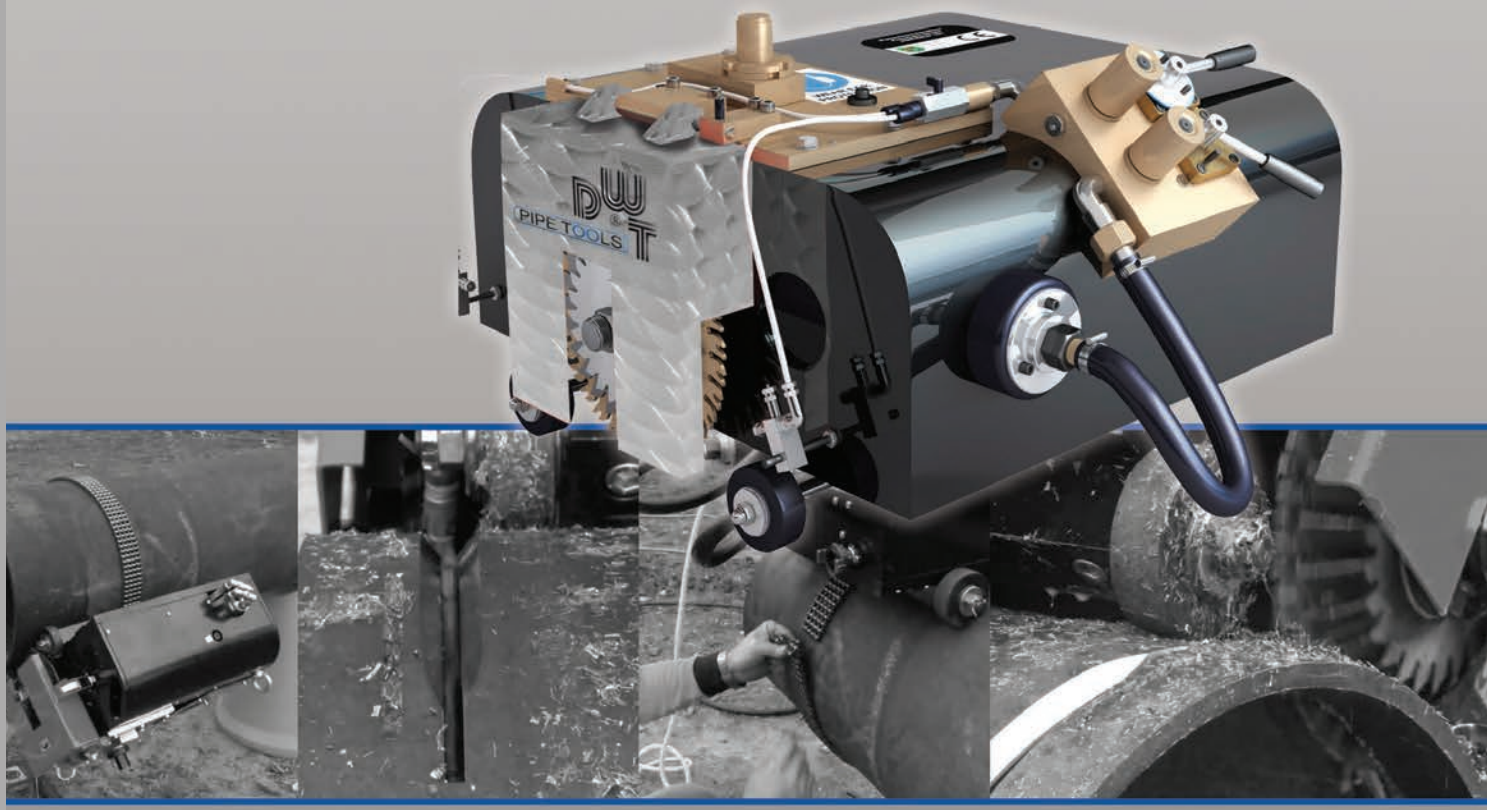
091505187
60 mm cutting off

TiN + Duplex

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

PIPE CUTTING AND BEVELING MACHINE

Able to work on site, off shore, in the field or even underwater (requires optional corrosion proofing), the Pipe cutting and beveling machine CPC-B provides a versatile solution for almost all cutting and bevelling applications.



The new pipe cutting and beveling machine is able to cut pipe wall up to 2″ (50 mm), bevel high tensile stainless steel pipes, and work in the most extreme temperatures. Available in Hydraulic and Pneumatic options, the machines will cut and bevel most machinable materials, including carbon steel, stainless steel, ductile iron, cast iron, and most other alloys without spark or flameThe heavy duty chain tensioning mechanism, encased in a high strength alloy frame provides the necessary rigidity and strength for cutting the pipe at the highest travel speed possible. The frame of the machi-ne has six wheel posi-tions to better follow the radius of the pipe and allow the radius of the pipe and allow tracking accuracy on a 36″ pipe of better than 0,3 mm.

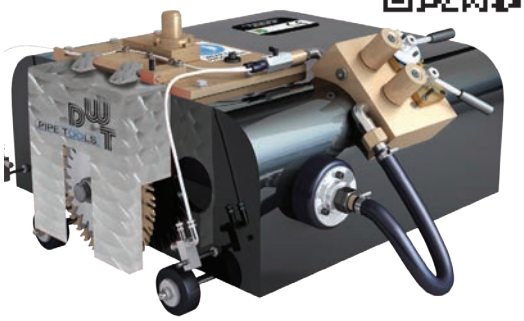
The machine is equipped with a two speed drive gearbox, which provides positive movement of the machine around the pipe in all kinds of pipe cutting conditions. No out-of-round com-pensation is needed as the machine follows the pipe's outside diameter.

Video of application

Pipe cutting and beveling machine CPC-B

Working range OD: 6“ (150 mm) - 276“ (7.010 mm)

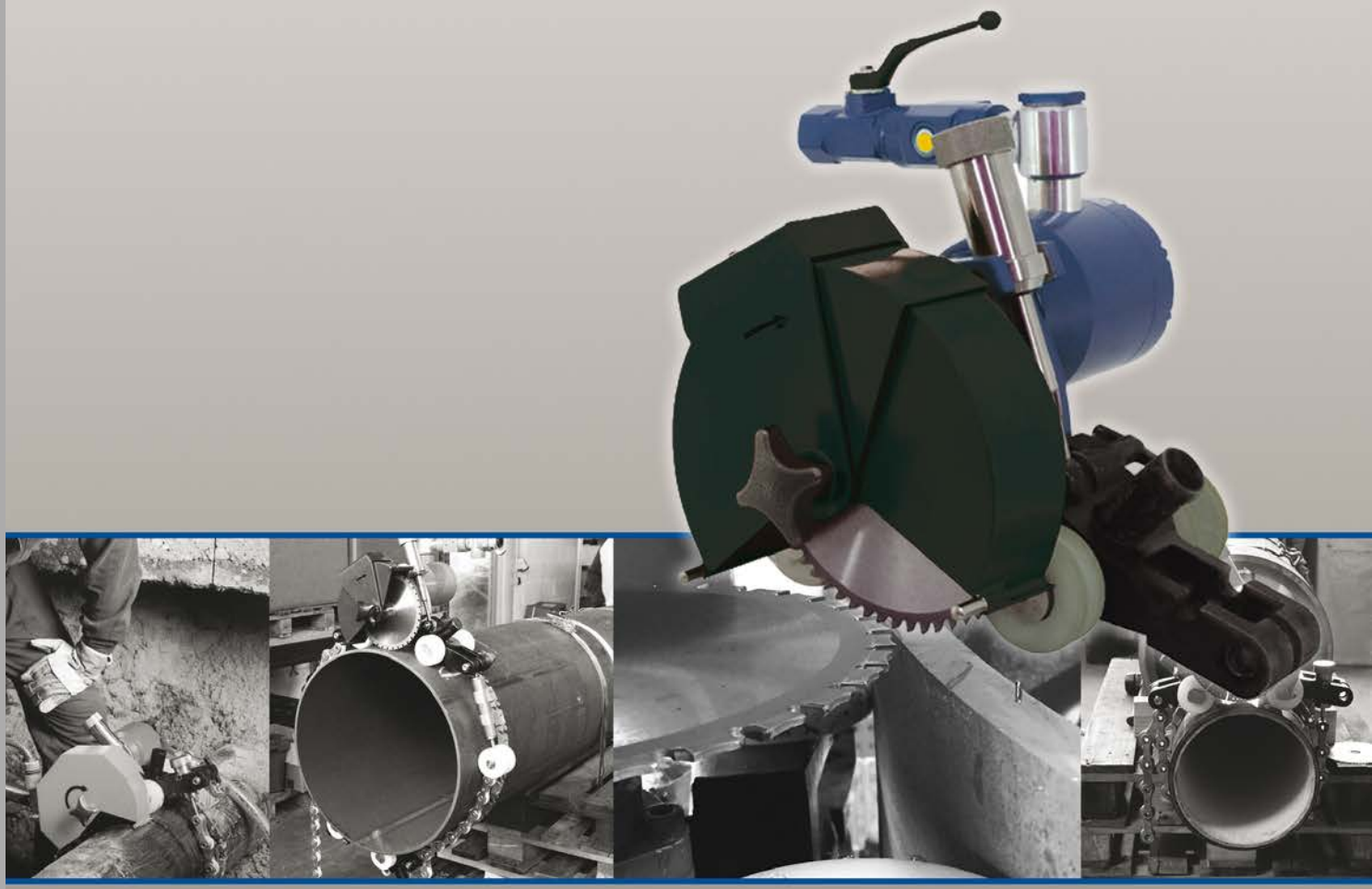
- Two-speed drive gearbox with adjustable speed control and reverse gear
- Compound bevel angles, J prep, U prep
- Out-of-round compensation is unneccesary
- Pneumatic and hydraulic versions are suitable for use in no-spark enviroments



	Motor Power		Working Range		Max. wall thickness		Max. cutting depth		Cutting speed	Weight	
Pneumatic	2,75 kW	3,74 HP	150 - 7010 mm	6 - 276“	50 mm	1,97“	50 mm	1,97“	60 mm/min	235 kg	518 lb
Hydraulic	4 kW	5,44 HP	150 - 7010 mm	6 - 276“	50 mm	1,97“	50 mm	1,97“	60 mm/min	216 kg	476 lb

CHAIN TYPE PIPE CUTTING MACHINE

The chain type pipe cutting Machine is designed to cut any diameter of pipe up to 47″. Incredibly easy to use, this pipe cutting machine can be set up and ready to go in minutes. Easily adjustable, and with a high level of accuracy, the chain type pipe cutting Machine is a versatile tool for any pipe welder.



The chain type pipe cutting machine is the perfect tool for cutting of pipes made of different material. Ductile Iron, Concrete, Cement, Clay, Plastics, PE, PVC and GFK can be cut up to a diameter of 1200 mm. The chain driven pipe cutting machine is available with a pneumatic drive unit or with a hydraulic drive unit. For using the hydraulic pipe cutter we recommend our hydraulic unit DHP18E.

Video of application

Chain type pipe cutting machine

Suitable for pipes up to Ø 1200 mm

- Fast setup
- High Cutting Speed
- Durable blades for high performance
- Underwater use
- Single operator work

CHOOSE THE BEST DRIVE UNIT:

ATEX 94/9 EG

- **2 - gear pneumatic pipe cutter:**
- Materials: ductile, cement, concrete, PVC, plastics, PE, cast iron
- Max. wall-thickness: 30 mm (PVC, plastics, PE)
- Application: cutting and beveling

ATEX 94/9 EG

- **1 - gear pneumatic pipe cutter:**
- Materials: steel, stainless steel
- Max. wall-thickness: 5 - 15 mm (steel)
  5 - 10 mm (stainless steel)
- Application: cutting

ATEX 94/9 EG

- **2 - gear hydraulic pipe cutter:**
- Materials: ductile, cement, concrete, PVC, plastics, PE, cast iron, steel, stainless steel
- Max. wall-thickness: 15 mm steel
  12 mm stainless steel
- Application: cutting (all materials)
  beveling (not steel and stainless steel)

2 gear pneumatic

Power [kW]	Air consumption [m³/min]	Air pressure [bar]	Gears	Free Speed at gear [rpm]	Free Speed at gear 2 [rpm]	Height [mm]	Air connection	Noise level dB(A)	Vibration Level [m/s²]	Weight [kg]
1,80	2,20	6,0	2	1.800	350	250	R 1/2“	98	<2,5	13,0

1 gear pneumatic

Power [kW]	Air consumption [m³/min]	Air pressure [bar (g)]	Gears	Free Speed at gear [rpm]	Free Speed at gear 2 [rpm]	Height [mm]	Air connection	Noise level [dB(A]	Vibration level [m/s²]	Weight [kg]
2,40	2,20	6,0	1	1.800	-	250	R 3/4“	98	<2,5	12,5

1 gear hydraulic

Power [kW]	Hydraulic Oil flow [l/min]	Hydraulic pressure [bar (g)]	Gears	Drehzahl Stufe 1 [rpm]	Speed at gear 2 [rpm]	Height [mm]	Connection	Noise level dB(A]	Vibration Level [m/s²]	Weight [kg]
2,80	15 - 50	90 - 140	2	1.800	350	250	1/2“ BSP	98	<2,5	13,0

CHAIN TYPE PIPE CUTTING MACHINE COMPONENTS

CHOOSE COMPONENTS OF CHAIN

The components listed hereunder are required depending on the pipe diameter:

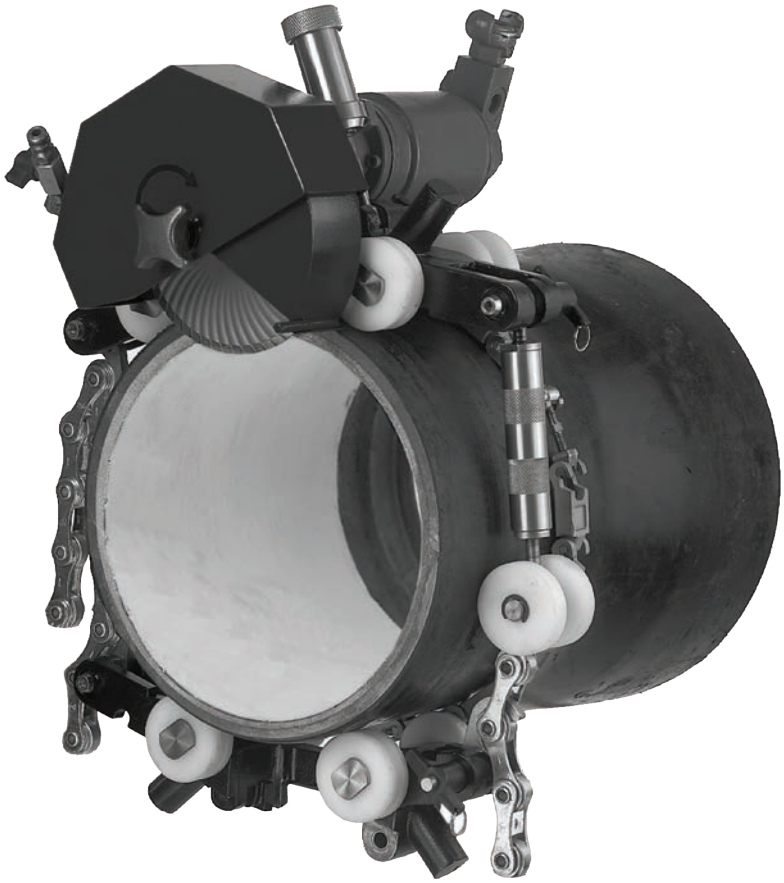
Pipe diameter (mm)	Carriage guide	Chain tensioner	Tensioning chain	Drive unit	Guide chain
300 - 400	1 x Carriage guide small	1 x Chain tensioner small	-	1 x drive unit	1 x Chain connector and chain 300-400
400 - 800	1 x Carriage guide large 1 x Carriage guide small	1 x Chain tensioner large	1 x Tensioning chain, length 950 mm	1 x drive unit	1 x Chain connector and chain 400-800
600 - 1000	2 x Carriage guide large	2 x Chain tensioner large	-	1 x drive unit	1 x Chain connector and chain 600-1000
400 - 1400	1 x Carriage guide large 2 x Carriage guide small	2x Chain tensioner large	1 x Tensioning chain, length 950 mm	1 x drive unit	1 x SChain connector and chain 400-1400
400 - 1600	2 x Carriage guide large 2 x Carriage guide small	2x Chain tensioner large	2 x Tensioning chain, length 950 mm	1 x drive unit	1 x Chain connector and chain 400-1600

Chain tensioner

Carriage guide

Tensioning chain

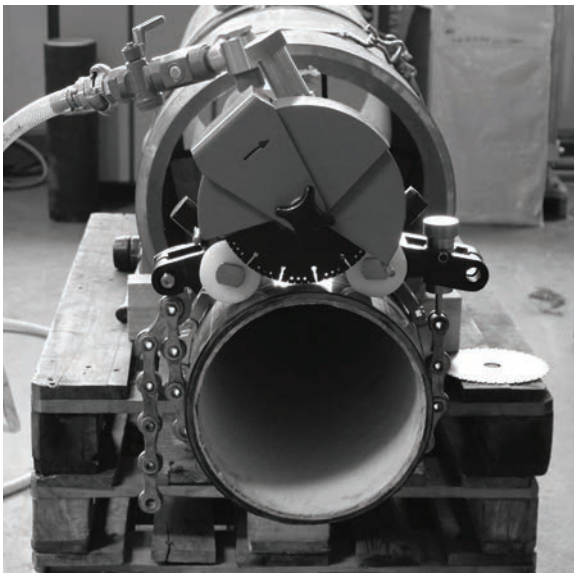
Guide chain



CHOOSE THE BEST CUTTING BLADE DEPENDING ON MATERIAL

The cutting blade has to match the pipe material. It must be carefully selected by the operator.

Material	Carbid tipped blade	Diamond blade
Steel Pipes	✓	
Copper Pipes	✓	
Aluminium Pipes	✓	
Stainless Steel Pipes	✓	
Cast Iron Pipes		✓
Ductile Pipes		✓
Graphite Pipes		✓
Plastics Pipes	✓	
PE Pipes	✓	
PE Pipes	✓	
PVC Pipes	✓	
Clay Pipes		✓
Concrete		✓
Cement		✓



BOILER PANEL CUTTING SYSTEM

The boiler tube panel cutter has been developed for repair and weld preparation of boiler tube panels in high pressure boilers and supercritical boilers. Having a low weight the unit is of very rugged design. Operated by one man only, it is well suited for use in the workshop and on site.

In maintenance of industrial high pressure steam boilers panel wall cold cutting is an important step before weld preparations. To avoid any heat affected zone (HAZ) on the boiler tubes of the water wall panels, the cutting of the defective panel wall tubes should be done not by flame cutting but instead with the BWC cutting system, that uses abrasive cutting. The system increases safety of workers and works with high productivity. Due to the straight cut you will have less wearing of cutting discs and caused by the high cutting quality you have less after work, after removing boiler tube failures.

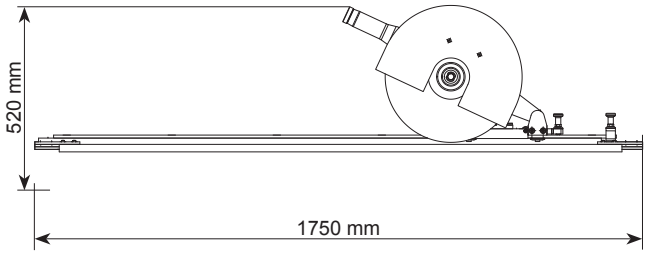
Video of application

Boiler panel cutting machine

Max. pipe diameter (OD): 63,5 mm

- No heat affected zone
- increased safety of workers
- less wearing of cutting discs
- high productivity
- high cutting quality

Dimensions

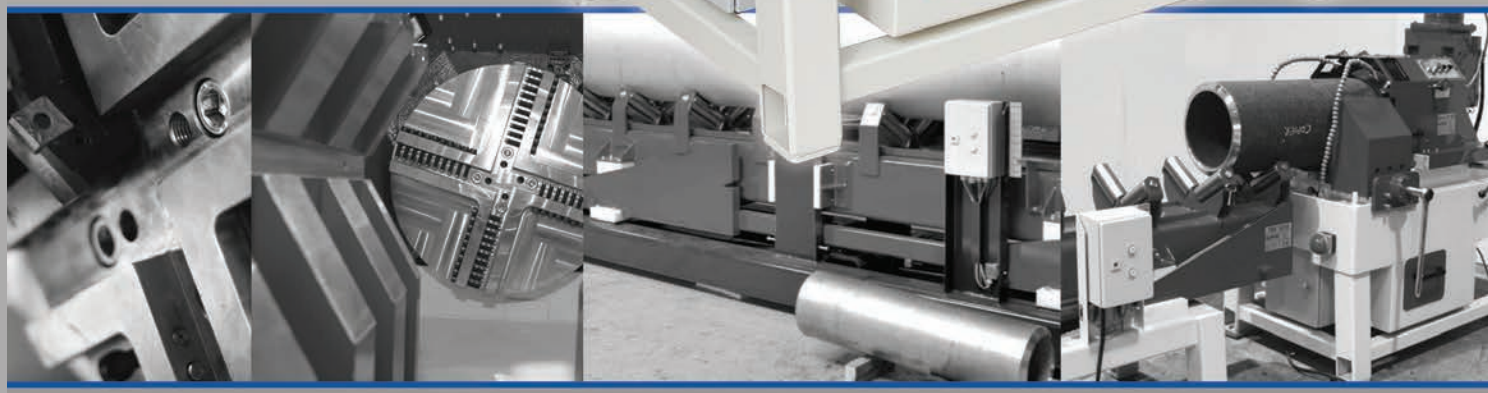


Specifications

Specifications BWC			Pneumatic Motor		
Max. cutting pipe diameter	63,5 mm	2,5“	**Power**	4400 W	5,9 HP
Max. cutting depth with new cutting blade	85 mm	3,4“	**Air pressure**	6 bar	87 psi
Length of guide rail (per rail element)	1,5 m		**Air consumption**	3,6 m³/min	127,1 cfm
Weight of guide rail (+ mounting plates)	13 kg	28,6 lb	**Air hose connection**	3/4“	3/4“
Total length of guide rail (3 rails)	4,5 m		**Features**	speed control	

STATIONARY PIPE CHAMFERING MACHINE

A heavy duty machine that creates the perfect welding preps quickly and with great precision. That is the Pipe Chamfering Machine MFS, the next generation of stationary beveling machines.



The pipe chamfering machine is used for stationary and machinery pipe bevelling all kinds of tubes with high wall thickness. The rugged and rigid machine construction combined with heavy guides of the MFS series makes it the most stable and accurate machine on the market. By minimal material handling and easy use, the process time is kept to an absolute minimum.

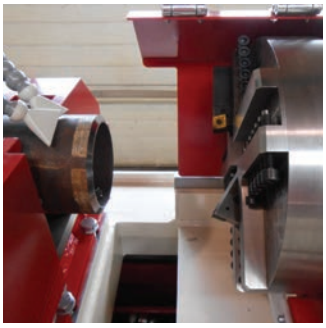
The MFS is an example of a machine that has been developed over the years to get the best possible quality machine for the end users. Every tube bevelling process is exactly the same, a welding robot will not find any irregularities. Thanks to a smart prism clamp, the pipe chamfering machine does not have changeover times. Together with optimum ease-of-use, this means ultra-short machining times and maximum efficiency.

Pipe chamfering machine MFS

Clamping range OD-OD: 13 - 615 mm

- 5 several types available
- Max. wall thickness: 25 mm
- Max. diameter: 615 mm
- Max. Feed: 300 mm
- Feed operation: manual or electric
- Drive: Electric

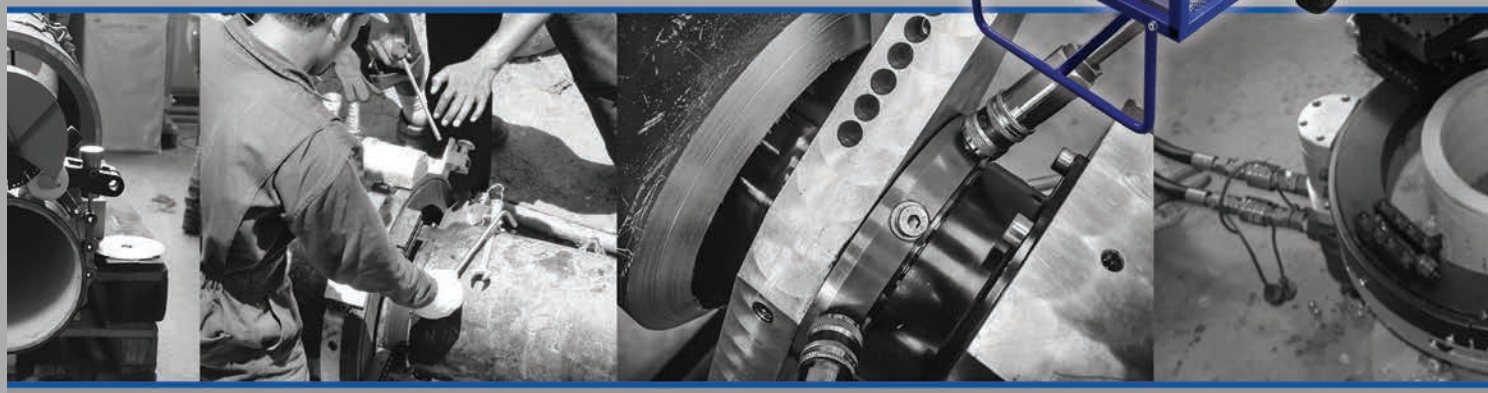
Video of application



	MFS-3	MFS-6	MFS-8	MFS-16	MFS-24 AUT
Clamp range (mm)	13,71 - 92	21,33 - 170	33 - 225	60 - 410	200 - 615
Clamp range (inch)	0,54 - 3,62	0,84 - 6,7	1,3 - 8,86	2,36 - 16,14	7,87 - 24,21
Voltage (Volt)	400	400	400	400	400
Motor power (kW)	0,75	6	5,5	5,5	9
Clamping	Interchangeable clamping shell	Interchangeable clamping shell	Prism-clamp	Prism-clamp	Prism-clamp
Clamp operation	with lever	with lever	Manual	Electrical	Automatic cycle, with electrical clamping
Machining	Carbide inserts	Carbide inserts	Carbide inserts	Carbide inserts	Carbide inserts
Max. wall thickness (mm)	14	17	25	25	65
Feed operation	Manual	Manual	Manuell	Electrical	Electrical
Number of revolutions (rpm)	70 - 1500	70 - 1500	96 / 192	48 / 64 / 96 / 128	48/ 64 / 96 /128

HYDRAULIC POWERPACK

We deliver hydraulic units of the highest quality, according to the state of the art and especially tailored to your application.



Our hydraulic units have a continuously 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 up to 24 l / min as well as high performance machines with 50 l / min.

Mobile hydraulic powerpacks

Available with electric, petrol or diesel engine

- Wired remote control
- ON-OFF valve for easy change of tool
- Easy to move around due to compact design
- Extremely easy to service - direct access to ALL parts
- Oil level indicator, temperature and oil quality indicator
- Sturdy steel frame construction
- Low oil volume

Specifications

Technical Data	Typ DHP18E	Typ DHP18P	Typ DHP19D
Drive	Electric motor	Petrol engine	Diesel engine
Connection	11 kW, 400 V, 35 AMP, 50 Hz	18 HP	11 HP
Description	-	with electric and hand start	with electric and hand start
Pressure	105 bar	105 bar	105 bar
Adjustable flow	10 - 50 ltr/min	10 - 50 ltr/min	10 - 50 ltr/min
Mobile	Ja	Ja	Ja
Weight	176 kg (empty)	Information on request	Information on request
Dimension	1080 x 650 x 780 mm	Information on request	Information on request

Examples of tools

Hydraulic Power packs can be used for the following machines:

- Pipe beveling machines
- Cold pipe cutting machines
- Breakers
- Water pumps
- ICS chain saws
- Cut-off saws
- Drilling equipment
- Core drills
- Torque wrenches
- etc.

Options

Available with:

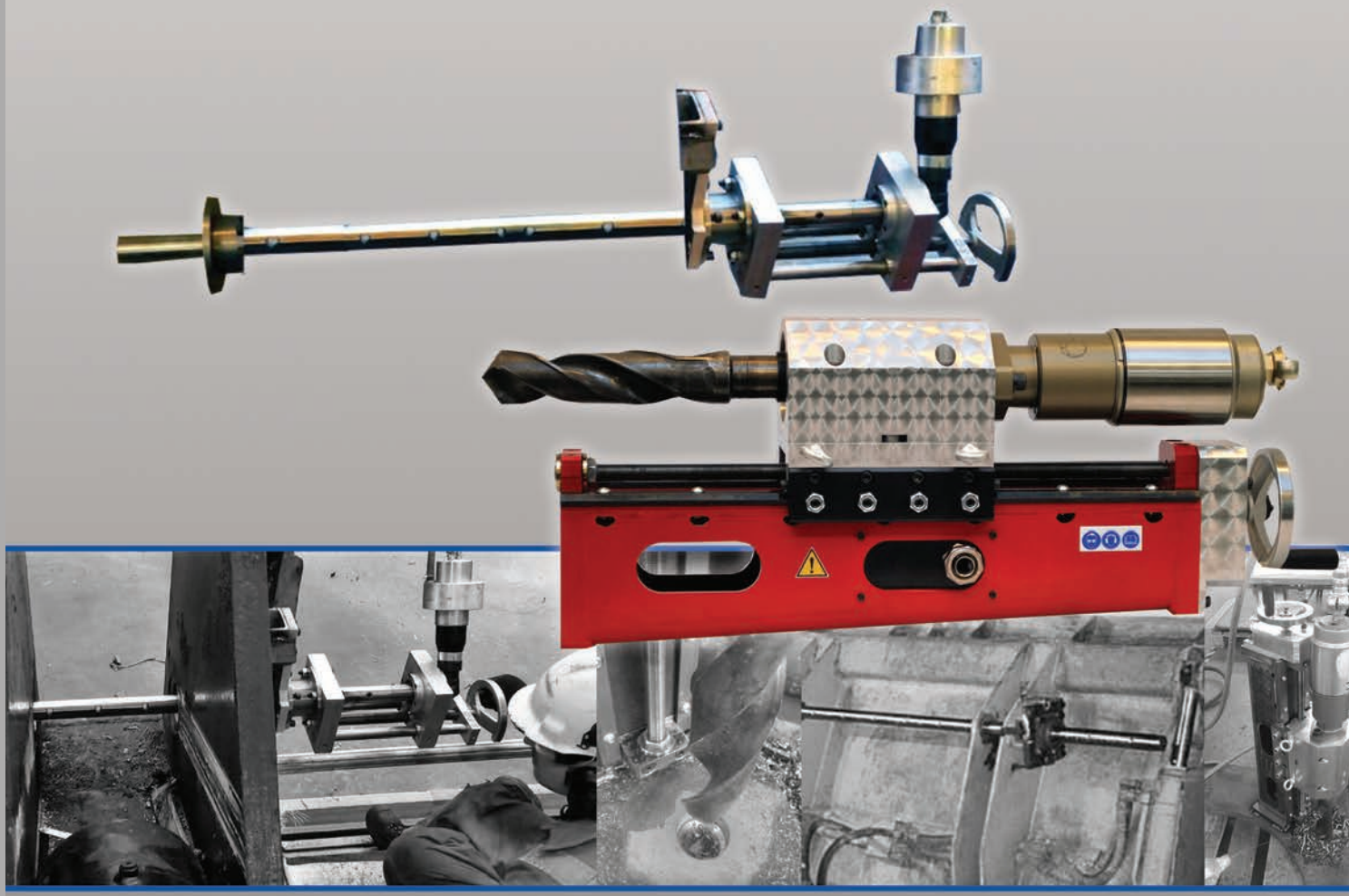
Electric motor (230 / 400 V, 3 Phasen)

Diesel engine

Petrol engine

Special version multiple plant

Thanks to the selection of the best materials for the respective application as well as the innovative production technology, we are able to supply drilling tools for the heaviest loads.



LINE BORING AND DRILLING MACHINES

Line boring machine is customizable solution for all boring and line boring needs when a straight boring through two different plates is needed. It is available with pneumatic drive and feed can be chosen either pneumatic or manual.

Line boring

Boring Range: Ø40 - 220 mm

Specifications Line Boring Machine			Pneumatic Motor		
Boring Range	Ø40 - 220 mm	Ø1,574 - 8,661“	**Power**	1700 W	2,28 HP
Boring bar diameter	35 mm	1,378“	**Air pressure**	6 bar(g)	87 psi
Feed length	350 mm	13,779“	**Air consumption**	2 m³/min	70,6 cfm
Feed	100 W pneumatic or manual				
Drive unit weight	23 kg	50,70 lb			

The portable drill offers heavy duty drilling, boring and stud removal. Being fully pneumatic, it is perfect for working in hazardous areas where ignition sources are not allowed. It can be mounted on the workpiece with welded base, chain clamp or using magnets.The drive is pneumatic, the automatic feeding is pneumatic or for basic feeding manual.

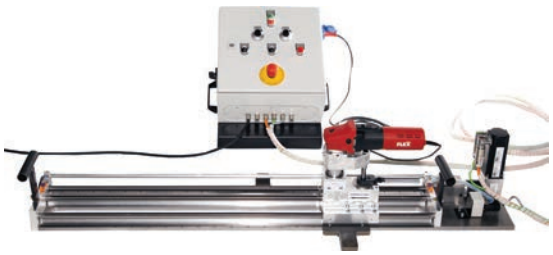
Pneumatic drill

Max. drill OD: 100 mm

Specifications Portable Pnematic Drill			Pneumatic Motor		
Max. drill OD	100 mm	3,937“	**Power**	3000 W	4,07 HP
Weight	55 kg	121,3 lb	**Air pressure**	6 bar(g)	87 psi
Feed	Manual or pneumatic		**Air consumption**	3,0 m³/min	105,9 cfm
Mounting	Welded / chain / magnets				

Milling machine NF1300

Groove width: 8 - 12 mm



Specifications Milling machine NF1300			Electric Motor		
Gewicht	52 kg	114,6 lb	**Power**	220 V	1200 W
Max. milling length	1000 mm		**Speed**	300 - 600 rpm	
Groove width	8 -12 mm				

OVERVIEW NOMINAL PIPE SIZE (NPS)

NPS ⅛ to NPS 3 ½

NPS	DN	OD [in (mm)]	Wall thickness [in (mm)]							
			SCH 5s	SCH 10s/20	SCH 30	SCH 40s/40 /STD	SCH 80s/80 /XS	SCH 120	SCH 160	XXS
⅛	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)	-	-	-
¼	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)	-	-	-
⅜	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)	-	-	-
½	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)
¾	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 ¼	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 ½	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 ½	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 ½	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 4 to NPS 9

NPS	DN	OD [in (mm)]	Wall thickness [in (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 10 to NPS 24

NPS	DN	OD [in (mm)]	Wall thickness [in (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 (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 [in (mm)]	Wall thickness [in (mm)]						
			SCH 5s	SCH 10s	SCH 10	SCH 20	SCH 30	SCH 40s/STD	SCH40
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)	-

Professional service and maintenance.

COMPREHENSIVES SERVICE AND MAINTENANCE

EVEN AFTER THE PURCHASE YOU CAN RELY ON US!

Our products are extremely robust and reliable.
In order to maintain their performance in the long term, you should have the servicing and maintenance work carried out regularly at the recommended intervals.

All servicing and maintenance work is carried out by qualified and motivated employees with the utmost care.

Competent service is provided through our subsidiaries as well as our worldwide network.

WHY MAINTENANCE?

„Prevention is better than cure“

Don’t wait until your machine breaks down sooner or later due to a lack of servicing or maintenance work!

Small causes can often engender large effects - and downtimes or malfunctions could have been avoided through timely checking and maintenance.

OUR SERVICES:

- Repairs, replacements
- Cost estimates
- Proactive maintenance
- Service training for customers
- Rental machines for bridging repair periods at special terms
- Collection service for machines
- Visual and functional inspection
- Determination and measuring of technical parameters
- Functional test of the system components
- Cleaning and care work
- Implementation of modifications

YOUR ADVANTAGES:

- Service directly from the manufacturer or authorized partner
- Reduction of downtimes
- Long-term functioning of your machinery
- Ensuring the availability
- Reduction of the susceptibility to failure
- Value retention of your machinery
- Regular maintenance work ensures reliable and safe machine operation

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DWT Spain
DWT France
DWT Russia
DWT Middle East
DWT Indonesia
DWT South East Asia DWT
Mexico

The DWT GmbH head office is in the industrial heart of Germany. The machines are produced by a competent team and are delivered in the whole world.

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