

COLD STEEL PIPE CUTTING MACHINE

The clamshell steel pipe cutter is a pipe cutting tool for bevel, cutting and various operations.

- Split-Frame technology for endless steel pipes
- Extremely low weight of pipe cutting machine
- Quick and safe clamping and adjusting of pipe cutter
- Reduced space requirement of pipe cutting machine
- Most precise operation for pipe welding
- Pipe cold cutting operation
- High productivity
- Perfect weld preparation
- No heat affected zone (HAZ)

Video of application



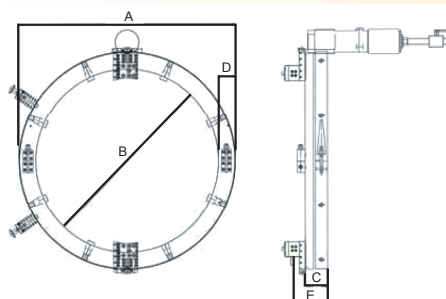
Type DLW

Field of application

Portable pipe cutting machine for steel pipe machining of pipes on-site, are able to perform bevel and cutting of steel pipes as well as stainless steel pipes and high alloyed steels. The machines are reduced in weight and dimensions. The accessories allow multiple operations, like beveling and cutting in one operation, inside beveling, flange repair of flange facing. The clamshell pipe cutter is available from 3 - 48", the pipe cutters can do all kind of pipe weld preparation by use of different tools.

TECHNICAL DATA

DLW Cold pipe cutting machine



Typ	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	weight (kg)	Ø (inch)		Ø (mm)		max. WT (mm)
							up	to	up	to	
DLW 2-6	320	182	88,5	68	127	23	3	6	76,2	152,4	80
DLW 4-8	367	232	88,5	68	127	27	4	8	101,6	203,2	80
DLW 5-10	420	286	88,5	68	127	30	5	10	127	254	80
DLW 6-12	470	340	88,5	68	127	34	6	12	152,4	304,8	80
DLW 8-14	496	368	88,5	68	127	38	8	14	203,2	355,6	80
DLW 10-16	550	421	88,5	68	127	42	10	16	254	406,4	80
DLW 12-18	605	470	88,5	68	127	45	12	18	304,8	457,2	80
DLW 14-20	655	525	88,5	68	127	50	14	20	355,6	508	80
DLW 20-24	760	624	88,5	68	127	60	20	24	508	609,6	80
DLW 26-30	920	775	88,5	74	127	83	26	30	660,4	762	80
DLW 32-36	1068	928	88,5	74	127	93	32	36	812,8	914,4	80
DLW 36-43	1250	1105	88,5	74	136	105	36	43	914,4	1092,2	80
DLW 40-48	1420	1245	95	89	151	115	40	48	1016	1219,2	80
Heavy Duty Version											
DLW-HD 53	1609,7	1371,6	158,8	119,1	215,9	314	41	53	1041,4	1346,2	100
DLW-HD 55	1660,5	1422,4	158,8	119,1	215,9	325	43	55	1092,2	1397	100
DLW-HD 57	1711,3	1473,2	158,8	119,1	215,9	333	45	57	1143	1447,8	100

OPERATIONS & OPTIONS DLW COLD CUTTER

Field of application :

- Radial cold pipe cutting
- Beveling edges of pipes
- Simultaneous cutting & beveling
- Beveling both end in one operation
- Inside machining of pipe ends
- Flange facing

Options drive:

- Hydraulic Motor (recommended)
- Pneumatic Motor up to DLW 12" OD max. 1.700 W (air consumption: 2,69 m³/min)
- Pneumatic Motor up to DLW 57" OD max. 3.000 W (air consumption: 3,10 m³/min)
- Elektrical Motor (max. WT=10 mm) on request

Materials

- Duplex
- Hastelloy
- Superduplex
- Stainless steel

Pipe cutter overview:

- Cold pipe cutting
- Pipe bevels
- Simultaneous cutting & beveling^(*)
- Simultaneous cutting both pipe^(*)



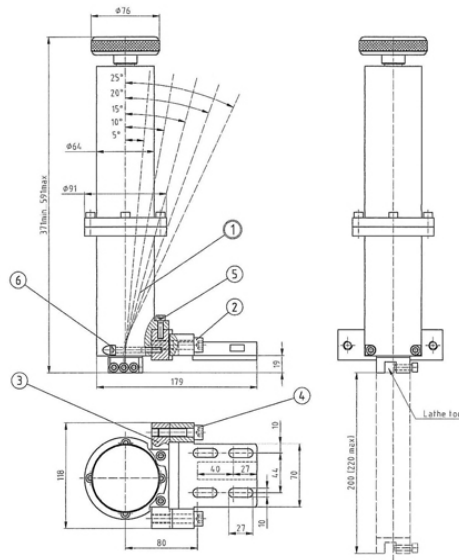
* depending on wall thickness

SPECIAL EQUIPMENT

Inside counterbore

DLW-CB:

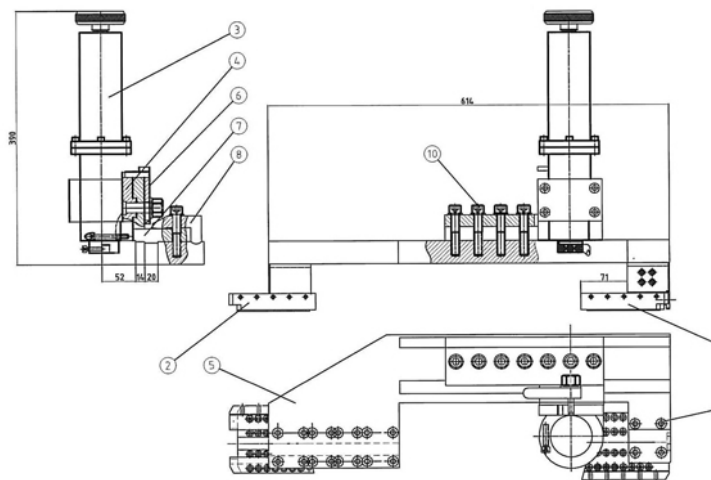
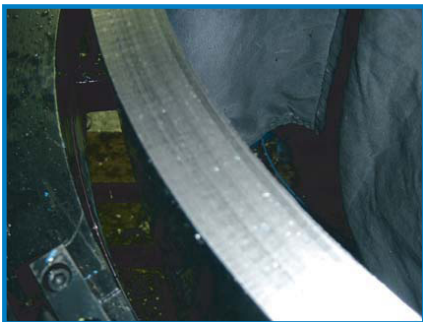
Inside beveling device for calibration of inside diameter and inside boring of max. 200 mm depth, adjustable 0° - 25°.



Flange facing

DLW-FF:

Flange facing device for DLW machines to regroove the flange surface, automatic feed mechanism, to be used together with DLW-CB.



SPECIAL EQUIPMENT

Outside turning module

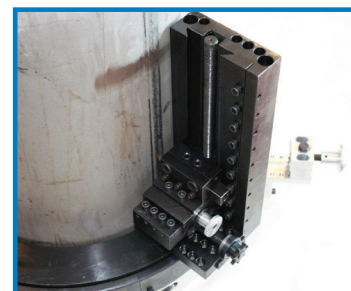
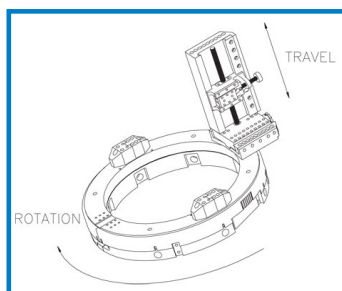
DLW-ETM

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

Travel: 188mm

Feed depth: 25mm (50mm with two steps)

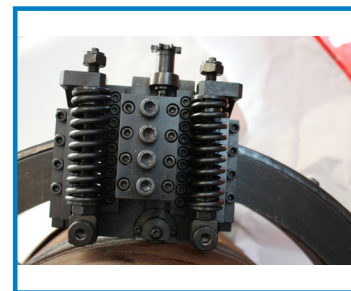
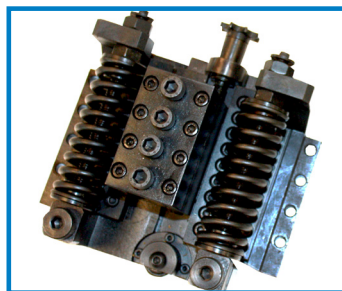
Feeding speed: 2mm / min



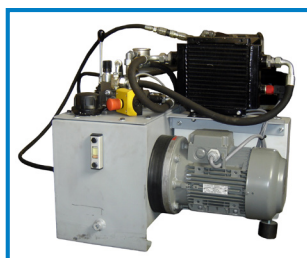
Spring load holder

DLW-SLH

The spring load holder DLW-SLH is used for cold pipe cutting and beveling of out-of-round pipes. The internal springs support the feeding of cutting and beveling tools and provide an even cut for this application.



Accessories hydraulic units



SHPU130



MHPUE130



MHPU130

Technical Data

Type	Stationary with electrical drive	Mobile with electrical motor	Mobile with gas drive
Dimension (mm)	800 x 1380 x 1100	1450 x 1050 x 750	800 x 1380 x 1100
Pumping volume	8 cm ³ / r.p.m.	38 cm ³ / r.p.m.	19 cm ³ / r.p.m.
Oil tank volume	35 ltr. nominal volume	150 ltr. nominal volume	150 ltr. nominal volume
Control	hand lever	hand lever	hand lever
Motor	4 kW/ 1500 r.p.m.	15 kW/ 1500 r.p.m.	14 kW/ 3600 r.p.m.