

PORTABLE ELBOW BEVELING MACHINE

Overview 2018/19



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The portable elbow beveling machine is add on to our pipe beveling machines and exclusively used for beveling or internal bevelling of pipe elbows for production or repairs. Liners hold the machine in place while fitting the elbow to the pipe. Dimension scale on the liners make centering easy. With the standard liners it is possible to install the mandrel close to the pipe end. With the help of additional liner extension bits mandrel can be installed deeper for beveling the inside diameter of the pipe. DWT Elbow Mandrels are designed for beveling pipe elbows. We offer five types each having its own diameter range:

Elbow Beveling Machine TE43

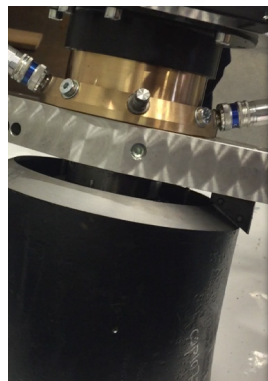
Elbow mandrel dimension OD: 1,69" (43 mm)

TE43 is the smallest elbow beveling machine that works by replacing the standard MF3i pipe beveling machine sleeve with the mandrel sleeve. All the legs move the same amount when clamping so the adjustment is limited. Special liner is used for positioning the machine straight. Best results achieved when clamped very close to the end of the pipe elbow where the surface is straight.



Art. - Nr.	Description	For beveling machine	Clamping range*		Working range*	
			mm	zoll	mm	NPS
RG	Elbow Mandrel TE43	MF3i	43 - 106	1,7 - 4,2"	60,5 - 114	2 - 4"

Liners hold the mandrel in place while fitting the elbow to the pipe. Dimension scale on the liners make centering easy. With the standard liners it is possible to install the mandrel close to the pipe end. With the help of additional liner extension bits mandrel can be installed deeper for beveling the inside diameter of the pipe.



Elbow Beveling Machine TE80, TE120, TE160, TE250

Elbow mandrel dimension ID: 1,85" (47 mm) - 4,92" (125 mm)

The Elbow Beveling Machine works according to the same basic principle; Mandrel is clamped to a pipe elbow via screws on the inner diameter of the mandrel housing. Each extendable leg can be adjusted individually so centering is easily done. Legs have freely rotating heads to protect the inner surface of the pipe from damage when tightening the legs.

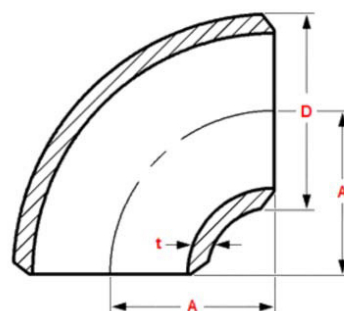


Art. - Nr.	Description	For beveling machine	Clamping range*		Working range*	
			mm	zoll	mm	NPS
RG	Elbow Mandrel TE80	MF3i	102 - 153	4 - 6"	114,3 - 160	4 - 6"
RG	Elbow Mandrel TE120	MF4i**	124 - 203	4,9 - 8"	168,1 - 219	6 - 8"
RG	Elbow Mandrel TE160	MF5i**	216 - 310	8,5 - 12"	273 - 332	10 - 12"
RG	Elbow Mandrel TE250	MF5i**	273 - 455	10,7 - 17,9"	323,9 - 460	12 - 18"

Elbow Mandrel-Kit includes



- "Non-damaging" clamping legs for the entire diameter range
- Special jaws for MF4i and MF5i
- Liners for easy setup
- Liner extension bits for deeper setup position for TE160 and TE250
- Required hand tools for installation
- Packing box



* For pipe elbows with dimension A=D or larger

** used with special jaws that are delivered with the mandrel.



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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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