

DWT Elbow Mandrels



DWT Elbow Mandrels are designed for beveling pipe elbows. We offer five types each having its own diameter range.

Elbow Mandrel TE43



TE43 is the smallest elbow mandrel that works by replacing the standard MF3i 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.

Elbow Mandrels TE80, TE120, TE160, TE250



These elbow mandrels all work 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.

DWT Elbow Mandrels



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 Mandrel Kit Include;

- “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

| | Elbow Mandrel Dimensions | |
|--------------|--------------------------|---------|
| | ID (mm) | OD (mm) |
| TE43 | - | 43 |
| TE80 | 47 | 80 |
| TE120 | 78 | 114 |
| TE160 | 125 | 160 |
| TE250 | 178 | 250 |

| List price | Elbow Mandrel | Beveling machine | CLAMPING * | | WORKING RANGE* | | | |
|------------|---------------|------------------|-------------|-------------|----------------|-------|-------------|-------|
| | | | MIN ID (mm) | MAX ID (mm) | MIN OD (mm) | (NPS) | MAX OD (mm) | (NPS) |
| 2.690 € | TE43 | MF3i | 43 | 106 | 60.5 | 2" | 114 | 4" |
| 2.390 € | TE80 | MF3i | 102 | 153 | 114.3 | 4" | 160 | 6" |
| 2.950 € | TE120 | MF4i** | 124 | 203 | 168.1 | 6" | 219 | 8" |
| 3.500 € | TE160 | MF5i** | 216 | 310 | 273 | 10" | 332 | 12" |
| 3.550 € | TE250 | MF5i | 273 | 455 | 323.9 | 12" | 460 | 18" |

* For pipe elbows with dimension A=D or larger

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

