



Th. WORTELBOER B.V.

P.O BOX 5 - NL - 6580 AA MALDEN

HOLLAND

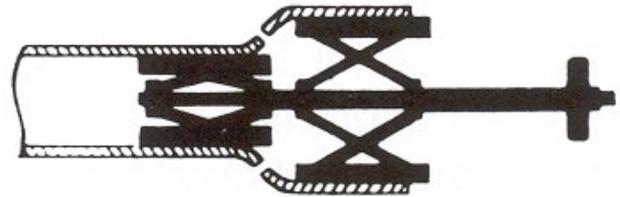
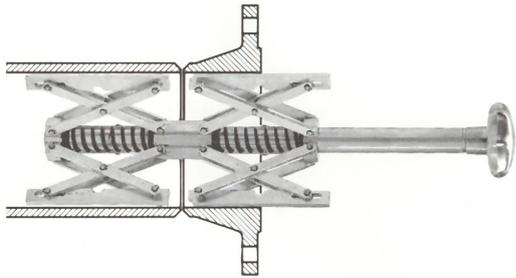
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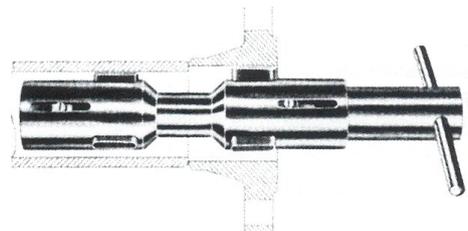
Centromat clamp- and centering tools



The Centromat tools are designed for clamping and centering a flange to a pipe (also for slip-on flanges). The tools are available in the range from 16 to 950 mm. I.D. and made of steel or stainless steel. It does not matter when the two internal diameters are different (see picture right at the top) the tool will always align the both pieces.

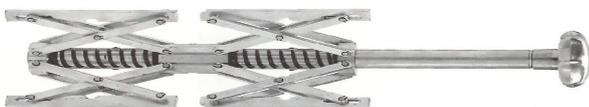
Type 05, 04, 03, 02, 01, 0 and 00.

In the range 16 up to 64 mm. I.D. there are 7 pcs. tools available. These tools are executed with splines and 1 knob for operating the splines. With this knob both sets of splines are operated.



Type 1 up to 5

In the range 54 up to 940 mm. there are 5 pcs. tools available. These tools are executed with clamping shears. Type A is executed with 1 knob for operating both sets of clamping shears. Type B is executed with 2 knobs for separate operating of both sets of shears. The advantage of type B is that you can first clamp the tool into the pipe. After clamping the tool into the pipe you can use both hands to position the flange to the pipe and clamp the second set of shears. The type B is recommended for large size flanges.



Type A 1 knob

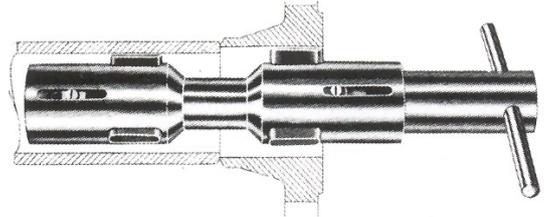


Type B 2 knobs

knob 1
↑
knob 2
↑

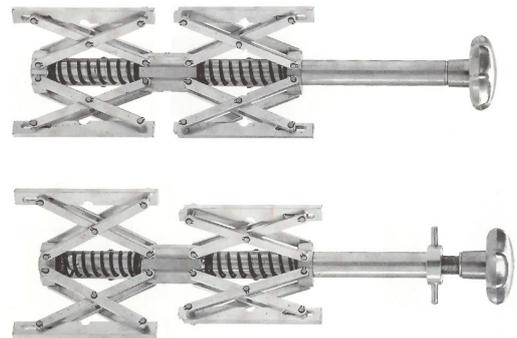
Type 05 up to 00

Type 05	range	15 - 19 mm.
Type 04	range	16 - 20 mm.
Type 03	range	19 - 25 mm.
Type 02	range	24 - 32 mm.
Type 01	range	31 - 40 mm.
Type 0	range	38 - 52 mm.
Type 00	range	51 - 64 mm.



Type 1 up to 5. **In A (1 knob) or B (2 knobs) execution**

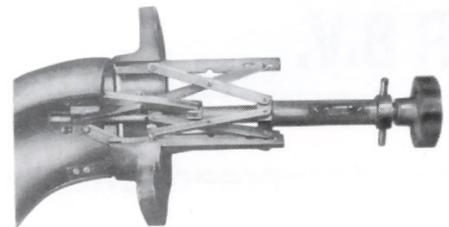
Type 1A	range	54 - 140 mm.
Type 1B	range	54 - 140 mm.
Type 2A	range	85 - 220 mm.
Type 2B	range	85 - 220 mm.
Type 3A	range	120 - 350 mm.
Type 3B	range	120 - 350 mm.
Type 4B	range	180 - 520 mm.
Type 5B	range	400 - 940 mm.



Type 1 up to 4 for flange / elbow connections

(only for high pressure elbows)

Type 1C	range	54 - 115 mm.
Type 2C	range	85 - 195 mm.
Type 3C	range	120 - 315 mm.
Type 4C	range	180 - 520 mm.



Centromat swivel arm

The swivel arm is in combination with a grinding machine to use for grinding bevels to pipes

- Type III : Internal pipe diameter : 120 - 300 mm.
Grinding diameter : max. 700 mm.
- Type IV : Internal pipe diameter : 160 - 520 mm.
Grinding diameter : max. 800 mm.
- Type V : Internal pipe diameter : 350 - 940 mm.
Grinding diameter : max. 1100 mm.

