Single point frame without drive type CEO

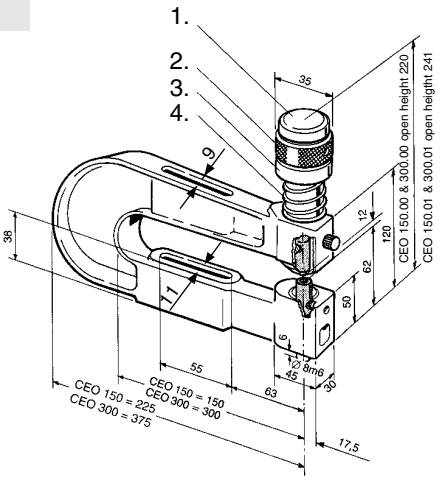
1. Stripper
- CEA 10.19 up to 5 mm TOX® point Ø
  4000 N max. stripping force
- CEA 10.22 from 6 mm TOX® point Ø
  8000 N max. stripping force

2. stripping force adjustment

3. punch stripper on cup springs

4. pull-back spring

These TOX® Tool Holders can be incorporated into your existing presses and press brakes and offer you a quick, inexpensive solution. The stripper force is adjustable, and the tools are easily changed. The shut height, as well as the required stroke and press force, are dependent on the material thickness and the TOX® Tool Set applied. Please take this into consideration.



The stroke to be executed and the force depend on the tool used. Please take this into consideration.
Max. press force 45 kN

Order number round point type	TOX® tools suitable for mounting	TOX® tool order number	
		punch	die
CEO 150.00	Ø 3, 4, 5 mm	10.00.XX	10.01.XX
CEO 150.01	Ø 6, 8 mm	10.00.XX	14.01.XX
CEO 300.00	Ø 3, 4, 5 mm	10.00.XX	10.01.XX
CEO 300.01	Ø 6, 8 mm	10.00.XX	14.01.XX

Rubber die side stripper.
For spare strippers please order:
CZO 10 for 3-5 mm point Ø
CZO 14 for 6-8 mm point Ø
Special die length for CEO frames 20 mm.

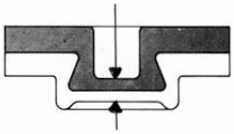
TOX®-Measuring Equipment

Measuring Gauges

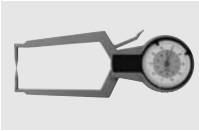
These gauges serve to measure the Quality Control Dimension X, i.e. the remaining bottom thickness of the TOX® clinch point or the TOX® ClinchRivet joint. Three each analogue and digital gauges are sold. Specials, e.g. having longer jaws, can be supplied.

control dimension “X”

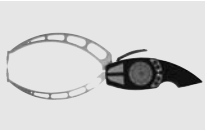
punch side
die side



CMT 38 analogue


CMT 85 analogue

CMT 22 digital


CMT 190 digital

	Analogue Display			Digital Display		
Type	**CMT 38**	**CMT 85**	**CMT 173**	**CMT 22**	**CMT 117**	**CMT 190**
Measuring range in mm	0 – 10	0 – 20	0 – 50	0 – 10	0 – 40	0 – 60
Scale graduation / Graduations in mm	0,1	0,02	0,05	0,005	0,02	0,02
Usable jaw length in mm	38	85	173	22	117	190

Measuring device CMT 001.000.00

The Measuring Device CMT 001 permits, in combination with an elongation compensating TOX® Process Monitoring System CEP or a TOX® ElectricDrive servo spindle, the highest measuring accuracy at a moderate handling effort. The measured data are fully filed. In order to maintain this precision, the CEP or the electric drive have to be calibrated by using the CMT device. A tolerance of just ± 0,01mm will be achieved.