TOX®-C-Frame Press
Series PC

Accessories (optional)
• tool holding fixture ZWK
• 2-/4-column ram guide STOE
• protective hood SH

With STOE 2 (2-column ram guide)

With STOE 4 (4-column ram guide)

TOX®-Presses PC

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Max. loading capacity</th>
<th>TOX®-Powerpackage</th>
<th>Optional T-slot</th>
<th>With ram guide STOE</th>
<th>Weight**</th>
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<tr>
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<td>A</td>
<td>B</td>
<td>C</td>
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</table>

All dimensions in mm.

* with tool holding fixture
** valid for standard press layout.
Real weight will differ.

Drive (example)
Powerpackage type S
SH = protective hood
ZWK = tool holding fixture

SH = protective hood
ZWK = tool holding fixture
TOX®-C-Frame Benchtop Press
Series MC

Accessories (optional)
- tool holding fixture ZWK
- anti-rotation lock V

TOX®-Presses MC

| MC 020 20 | 550 | 2 x Ø10 x 21 | 86 | 78 | 109 | 309 | 124 | 324 | 10 | 115 | 178 | 295 | 20 | 145 | – | 150 | 34.5 | 86 | 71 | 95 | 134 | 60 | 37 |
| MC 048 48 | 545 | 2 x Ø14 x 90 | 130 | 105 | 131.5 | 291.5 | 131.5 | 291.5 | 14 | 190 | 250 | 385 | – | 235 | – | 200 | 43.5 | 88.5 | 88.5 | 120 | 190 | 95 | 79 |
| MC 090 90 | 660 | 2 x Ø14 x 145 | 150 | 160 | 209 | 305 | 199 | 295 | 14 | 220 | 310 | 500 | – | 290 | – | 260 | 57.0 | 105 | 115 | 205 | 220 | 105 | 188 |
| MC 150 150 | 703 | 4 x Ø13 x 20 | 150 | 211 | 196 | 296 | 181 | 281 | 14 | 216 | 360 | 500 | – | 200 | 400 | 325 | 72.0 | 126 | 141 | 280 | 253 | 110 | 291 |

*valid for standard press layout.
Real weight will differ.

All dimensions in mm.
TOX®-C-Frame Benchtop Press
Series MCC

Accessories (optional)
• tool holding fixture ZWK
• anti-rotation lock V
• miniatur ram ZMS
• compensating slide ZFS
  - for compensation or feeding
  - pneumatic cylinder with final position sensor
  - final positions adjustable by gas pressure springs

TOX®-Presses MCC

| Order no. | Max. loading capacity kN | TOX®-Powerpackage | A | B | C | C1 | D appr. | E | F | G | H1 | H2 | H3 | H4 | H5 | H6 | H7 | J | K | M | Ø N | Weight kg |
|-----------|--------------------------|-------------------|---|---|---|----|--------|---|---|---|----|----|----|----|----|----|---|---|---|---|---------|
| MCC 002   | 20                       | S/K 2             | 255 | 100 | 100 | 80 | 55      | 45 | 155 | 70  | 65  | 270.0 | 295 | 386.0 | 195 | 225 | 220 | 70  | 60  | 80  | 9 | 28       |
| MCC 004   | 40                       | S/K 4             | 380 | 130 | 150 | 125 | 80      | 60 | 240 | 90  | 90  | 293.5 | 330 | 448.5 | 220 | 250 | 238 | 80  | 100 | M8  | 14 | 61       |
| MCC 008   | 80                       | S/K 8             | 441 | 160 | 150 | 125 | 110     | 90 | 240 | 120 | 110 | 390.0 | 430 | 575.0 | 305 | 340 | 313 | 90  | 100 | M10 | 14 | 108      |
| MCC 015   | 150                      | S/K 15            | 480 | 200 | 150 | 125 | 130     | 100| 260 | 160 | 150 | 411.0 | 480 | 666.0 | 320 | 360 | 341 | 120 | 150 | M10 | 14 | 176      |

All dimensions in mm.

Drive (example)
Powerpackage type S

ZWK = tool holding fixture
V = anti-rotation lock
ZMS = miniatur ram
ZFS = compensating slide
TOX®-C-Frame Benchtop Press
Series CEB

C-frame type CEB
• basic design
• flexible flame-cut steel parts
• ideal for robot tool guidance or short working strokes

Accessories (optional)
• tool holding fixture ZWK
• compensating slide ZFS

TOX®-Presses CEB

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<th>TOX®-Powerpackage</th>
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<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>K</th>
<th>M</th>
<th>N</th>
<th>O</th>
<th>P</th>
<th>Q</th>
<th>ØR</th>
<th>S</th>
<th>T</th>
<th>Weight* ( \text{kg} )</th>
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All dimensions in mm.

* valid for standard press layout.
Real weight will differ.
TOX®-C-Frame Benchtop Press
Series CMB

C-frame type CMB
• flexible flame-cut steel parts
• with integrated ram (slider guided)
• tool can be mounted without additional components

TOX®-Presses CMB

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<th>Order no.</th>
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<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>K</th>
<th>M</th>
<th>N</th>
<th>O</th>
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<th>Q</th>
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</table>

*valid for standard press layout. Real weight will differ.

All dimensions in mm.
TOX®-2-Column Press
Series MB/MBG

Accessories (optional)
• tool holding fixture ZWK
• anti-rotation lock V
• 2-column ram guide STOE

TOX®-Presses MB and MBG

(MB = standard, MBG = large tool area)

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<th>TOX®-Powerpackage</th>
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<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>ØF</th>
<th>ØH</th>
<th>With ram guide</th>
<th>With tool holding fixture ZWK</th>
<th>With anti-rotation lock V W</th>
<th>Weight press kg</th>
<th>Weight ram guide kg</th>
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| MBG 001   | 10                    | S/K 1             | 496 | 296 | 380 | 447.0 | 36 | 30 | 50 | 8 | 300 | 27 | 52 | 48 | 60 | 327 | 342 | 85 | 34 |
| MBG 002   | 20                    | S/K 2             | 496 | 296 | 380 | 448.0 | 36 | 30 | 50 | 8 | 300 | 27 | 52 | 48 | 60 | 327 | 342 | 85 | 34 |
| MBG 004   | 40                    | S/K 4             | 496 | 346 | 355 | 500.5 | 46 | 40 | 50 | 10 | 300 | 36 | 67 | 46 | 60 | 366 | 366 | 128 | 53 |
| MBG 008   | 80                    | S/K 8             | 546 | 346 | 400 | 577.0 | 56 | 40 | 60 | 10 | 350 | 46 | 67 | 36 | 70 | 416 | 406 | 170 | 74 |
| MBG 015   | 150                   | S/K 15            | 546 | 396 | 410 | 608.0 | 66 | 50 | 60 | 12 | 350 | 46 | 78 | 54 | 90 | 416 | 426 | 231 | 85 |
| MBG 030   | 300                   | S/K 30            | 546 | 396 | 385 | 659.0 | 86 | 60 | 60 | 12 | 350 | 46 | 93 | 79 | 110 | 416 | 436 | 303 | 89 |
| MBG 050   | 500                   | S/K 50            | 596 | 396 | 375 | 764.0 | 116 | 80 | 60 | 12 | 350 | 66 | 130 | 84 | 140 | 456 | 491 | 454 | 146 |
| MBG 075   | 750                   | S/K 75            | 746 | 496 | 475 | 902.0 | 136 | 100 | 60 | 18 | 400 | 76 | 157 | 99 | 160 | 546 | 570 | 835 | 268 |
| MBG 100   | 1000                  | S/K 100           | 796 | 546 | 470 | 972.0 | 156 | 125 | 60 | 18 | 400 | 86 | 185 | 129 | 180 | 578 | 620 | 1152 | 357 |
| MBG 200   | 2000                  | S/K 170           | 896 | 596 | 500 | 1092.0 | 176 | 150 | 60 | 18 | 450 | 96 | 220 | 154 | 220 | 626 | on request 1608 | 527 |

All dimensions in mm.

Accessories (optional)

Drive (example)
Powerpackage type K

ZWK = tool holding fixture
STOE 2 = 2-column ram guide
V = anti-rotation lock

Valid for standard press layout.
Real weight will differ.
### TOX®-4-Column Press

**Series MA / MAG**

#### TOX®-Presses MA and MAG

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<th>Max. loading capacity kN</th>
<th>TOX® Power-package</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>ØF</th>
<th>ØH</th>
<th>ØØ</th>
<th>With ram guide STOE 4</th>
<th>With tool holding fixture ZWK</th>
<th>W. antirotation lock V</th>
<th>Weight* press kg</th>
<th>Weight ram guide kg</th>
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</table>

All dimensions in mm.

*valid for standard press layout. Real weight will differ.

Drive (example)
Power package type K

ZWK = tool holding fixture
STOE 4 = 4-column ram guide
TOX®-C-Frame Press
Series CEU

TOX®-Presses CEU

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Special designs on request.

All dimensions in mm.

Drive (example)
Powerpackage K, 91

CLX = safety device
CSR = punch stripper
CZP = fixture
CMR = die stripper
CZW = fixture
CZU = fixture
ZL = target feature with light spot

* valid for standard press layout.
Real weight will differ.
TOX®-C-Frame Press
Series CEC

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<th>Weight kg</th>
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CLX = safety device
CSR = punch stripper
CMR = die stripper
CZW = fixture
ZL = target feature with light spot
TOX®-C-Frame Press
Modular press programme series CEJ

C-frame type CEJ
• flexible flame-cut steel parts
• ideal for most different applications

Support CER
• solid welded construction with large open space
• best accessibility

TOX®-Presses CEJ 50

<table>
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<th>Order no.</th>
<th>Max. loading capacity kN</th>
<th>Stroke</th>
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All dimensions in mm. Weights on request.

TOX®-Presses CEJ 80

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All dimensions in mm. Weights on request.
TOX®-Universal Base Frame
Series UUM

TOX®-Universal Base Frame UUM
• tailored to the modular press system
• integrated control cabinet available
• special welded design versions

Technical data

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<th>UUM 500.100</th>
<th>UUM 1-300.000</th>
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<td>1055 x 855 mm</td>
<td>920 x 830 mm</td>
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<tr>
<td><strong>Table height:</strong></td>
<td>775—950 mm adjustable</td>
<td>750—925 mm adjustable</td>
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<tr>
<td><strong>Load capacity /total press weight:</strong></td>
<td>max. 1000 kg</td>
<td>max. 500 kg</td>
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<tr>
<td><strong>Weight:</strong></td>
<td>250 kg</td>
<td>185 kg</td>
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<tr>
<td><strong>Standard colour:</strong></td>
<td>TOX® green</td>
<td>TOX® green</td>
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<tr>
<td><strong>Controls:</strong></td>
<td>• Accepts 2-hand control panels: STE 003; STE 325; STE 336 and pneumatic control panel STP 03. • Integrated switch cabinets at both sides (optional: side mounted)</td>
<td>• Accepts all TOX®-Control Panels • Switch cabinets can be mounted on sides</td>
</tr>
</tbody>
</table>

www.tox-en.com
TB 60.00_201602.en
TOX®-Press Safety

TOX®-Safety Device CLX

Function:
After actuating the start key, the pneumatic cylinder inside the housing extends forward. The guide plate advances towards the piecepart. The spiral sleeve rings provide protection around the tooling area. Once the guarding has reached its bottom position, the sensor sends a signal to the press drive via the limit switch. This initiates the working stroke without any risk to the operator.

Function:
The TOX®-Safety Device CLX is a standard component of the foot pedal control STE317-…
It can also be used with 2-hand controls in place of safety guard enclosure.

Note:
Mounting plate, spacer plate, centering plate and guide plate are dependent on the machine type.

TOX®-Target Feature with light spot ZL

Targeting device for e.g. precise positioning of TOX®-Clinch Points, by adjustable laser beam to the die centre.
TOX®-Press Safety

TOX®-Restraint Device ZHE

The TOX®-Restraint Device prevents the lowering of the ram with tool by its own weight during maintenance or repair work. A safety switch integrated in the emergency stop circuit fulfills the requirements of the press standards. Two design variants are offered:

Angle variant

The angle variant ZHE000 is mounted to the side of the press frame. As it is located outside the tool area, the space requirement is not of the importance.

Compatible with:
- TOX®-Presses
- TOX®-Universal Base Frames

When ordering as separate accessory, please state dimensions or add a drawing of the press or base frame.

Rod variant

The rod variant ZHE016/030 is mounted direct between base and ram plate. Its design depends on the moving mass to be supported and the clearance height. This must be taken into consideration for the dimensioning of the tool.

Compatible with:
- TOX®-Presses type PC, MB, MBG, MA and MAG

Both variants have their parking position outside the tool area.

Rod Ø depending on press size approx. 30-50 mm.

TOX®-Safety Guard Enclosure SU

For the TOX®-Presses and base frames we offer appropriate three-sided guards. The standard execution comprises an aluminium frame with polycarbonate filling or perforated plate. It is possible to protect the loading side by light barriers or by a safety guard door.

Compatible with:
- TOX®-Presses
- TOX®-Universal Base Frames

When ordering as separate accessory, please state dimensions or add a drawing of the press or base frame.