

Creasing Tools and Inserts

Selection and Applications

Different materials and material properties demand different tools. Zünd creasing tools are designed to process a wide range of materials with a variety of crease wheels. Creasing can be performed either in Position Mode or in Pressure Mode. In Position Mode, the crease wheel is lowered to a set depth. This method is well suited for creasing folding carton. For processing corrugated cardboard, however, we recommend using Pressure Mode. In this mode, the pressure exerted on the material is variable - you can use different pressure settings for creasing with or across the corrugation! Sophisticated crease wheel geometries permit producing creases that closely approximate those of a traditional die-cutter. Packaging developers can let their imaginations run free and convert foldable boxes/displays from idea to reality in the blink of an eye! All Zünd creasing tools and wheels are fully integrated in Zünd Cut Center.

Creasing Tool Type 1 - CTT1



The CTT1 is perfect for processing single-wall corrugated cardboard. This tool accommodates crease wheels with a diameter of 61 mm and a width of 20 mm. Fully supported by the cutting software, the tool produces high-quality creases with and against the corrugation, without tearing or cracking the top layer. The crease wheels simply snap into the holder, making them very easy to insert and replace.

Compatible with **G3**, **S3**, **D3**.

Creasing Tool Type 2 - CTT2



The CTT2 is a universally applicable crease tool. It accommodates a wide range of crease wheels for folding carton, polypropylene, and honeycomb materials.

Compatible with **G3**, **S3**, **D3**.

Creasing Tool Type 3 - CTT3



The CTT3 is designed for processing double- and triple-wall corrugated cardboard. The tool accommodates crease wheels with a diameter of 90 mm and a width of 28 mm. With or across the corrugation, these crease wheels ensure high-quality results without damage to the top layer. The wheels snap into the holder, making them quick and easy to insert.

Compatible with **G3**, **D3**. An extended insertion sleeve is available for the use on machines with 120 mm beam height.

Creasing inserts overview

The large choice of creasing tools allows perfect creasing of a wide range of materials. The selection listed here serves as a recommendation. The use can ultimately vary depending on material type and quality.

For cardboard and plastic materials, the best creasing quality is achieved if a creasing matrix is used as cutting underlay.

Solid board

**Crease wheel C201
with support**



**Crease wheel C202
with support**



**Crease wheel C203
with support**



**Crease wheel C204
with support**



**Crease wheel C205
with support**



| | | | | | |
|------------------------------|--|--|--|---|--|
| Item no. | 3910603 | 3910604 | 5002277 | 5002275 | 3910601 |
| Creasing width | 4 point | 4 point | 2 point | 3 point | 2 point |
| Crease wheel diameter | 24 mm | 24 mm | 15 mm | 15 mm | 24 mm |
| Width | 1.5 mm | 1.5 mm | 0.7 mm | 1.1 mm | 0.7 mm |
| Depth | 1.0 mm | 1.5 mm | 1.0 mm | 1.5 mm | 0.7 mm |
| Tool | CTT2 | CTT2 | CTT2 | CTT2 | CTT2 |
| Use | Cardboard 250 – 400 g/m ² without creasing matrix | Cardboard 250 – 400 g/m ² without creasing matrix | Cardboard 150 – 300 g/m ² without creasing matrix | Cardboard 150 – 300 g/m ² with creasing matrix | Cardboard 150 – 300 g/m ² without creasing matrix |

**Crease wheel C206
with support**



**Crease wheel C207
with support**



**Crease wheel C208
with support**



| | | | |
|------------------------------|--|--|--|
| Item no. | 3910602 | 3910611 | 3910612 |
| Creasing width | 3 point | 2 point | 3 point |
| Crease wheel diameter | 24 mm | 24 mm | 24 mm |
| Width | 1.1 mm | 0.7 mm | 1.1 mm |
| Depth | 1.1 mm | 1.0 mm | 1.1 mm |
| Tool | CTT2 | CTT2 | CTT2 |
| Use | Cardboard 150 – 300 g/m ² without creasing matrix | Cardboard 150 – 300 g/m ² without creasing matrix | Cardboard 150 – 300 g/m ² without creasing matrix |

Corrugated cardboard

**Crease wheel C101
without support**



**Crease wheel C102
without support**



**Crease wheel C103
without support**



**Crease wheel C209
with support**



| | | | | |
|------------------------------|---|---|---|------------------------------|
| Item no. | 5005632 | 5005633 | 5005634 | 5003247 |
| Crease wheel diameter | 61 mm | 61 mm | 61 mm | "Crusher" 24 mm |
| Catch R | 0.5 mm | 0.5 mm | 0.5 mm | Radius 7 mm |
| Angle | 5° | 10° | 15° | |
| Tool | CTT1 | CTT1 | CTT1 | CTT2 |
| Use | Single-wall corrugated cardboard < 4.5 mm | Single-wall corrugated cardboard < 4.5 mm | Single-wall corrugated cardboard < 4.5 mm | General corrugated cardboard |

**Crease wheel C301
without support**



**Crease wheel C302
without support**



**Crease wheel C303
without support**



**Crease wheel C304
without support**



**Crease wheel C305
without support**



| | | | | | |
|------------------------------|---|---|---|---|---------|
| Item no. | 5205823 | 5205824 | 5210477 | 5210490 | 5220226 |
| Crease wheel diameter | 90 mm | 90 mm | 90 mm | 90 mm | 90 mm |
| Catch R | 1.0 mm | 0,5 mm | 3 mm | 3 mm | |
| Angle | 15° | 15° | 20° | 10° | |
| Tool | CTT3 | CTT3 | CTT3 | CTT3 | CTT3 |
| Use | Double- and triple-wall corrugated cardboard > 4.5 mm | Double- and triple-wall corrugated cardboard > 4.5 mm | Double- and triple-wall corrugated cardboard > 4.5 mm | Double- and triple-wall corrugated cardboard > 4.5 mm | DISPA® |

Plastic and special materials

**Creasing wheel
C211
with support**



**Creasing tool C001
without bracket**



**Creasing tool C002
without bracket**



**Creasing wheel
C210
with support**



**Creasing tool C214
with support**



| | | | | | |
|------------------------------|----------------------------|--------------------------------------|--------------------------------------|---------------------------------|--------------------|
| Item no. | 3910605 | 5002540 | 5002541 | 3910606 | 3910607 |
| Radius | | | | | 1,5 mm |
| Creasing width | 1 point | 3 point | 1,5 point | 2 point | 4 point |
| Crease wheel diameter | 14 mm | | | 24 mm | |
| Width | 0,25 mm | 1,0 mm | 0,5 mm | 1,3 mm | |
| Depth | 1,5 mm | | | 5 mm | |
| Tool | CTT2 | CTT2 + type 1 knife holder | CTT2 + type 1 knife holder | CTT2 | CTT2 |
| Use | PVC and PP 0,5 – 1,2 mm | PVC and PP 0,5 – 1,2/0,5 – 1,0 mm | PVC and PP 0,5 – 1,2/0,5 – 1,0 mm | Parchment and soft materials | Corrugated plastic |

**Crease wheel C212
with support**



**Creasing wheel
C213
with support**



| | | |
|------------------------------|--------------------|--------------------|
| Item no. | 5003245 | 5003246 |
| Radius | 1,5 mm | 3 mm |
| Creasing width | 4 point | 8 point |
| Crease wheel diameter | 24 mm | 24 mm |
| Width | | |
| Depth | | |
| Tool | CTT2 | CTT2 |
| Use | Corrugated plastic | Corrugated plastic |

11/2023