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.
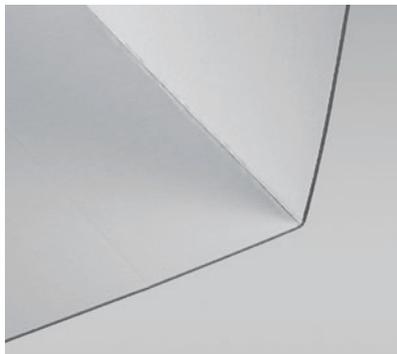
Creasing Tool Type 1 - CTT1

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/m² without creasing matrix	Cardboard 250–400 g/m² without creasing matrix	Cardboard 150–300 g/m² without creasing matrix	Cardboard 150–300 g/m² with creasing matrix	Cardboard 150–300 g/m² 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/m² without creasing matrix	Cardboard 150–300 g/m² without creasing matrix	Cardboard 150–300 g/m² 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 **Catch R** **Angle**	61 mm 0.5 mm 5°	61 mm 0.5 mm 10°	61 mm 0.5 mm 15°	"Crusher" 24 mm Radius 7 mm
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 **Catch R** **Angle**	90 mm 1.0 mm 15°	90 mm 0,5 mm 15°	90 mm 3 mm 20°	90 mm 3 mm 10°	90 mm
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

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