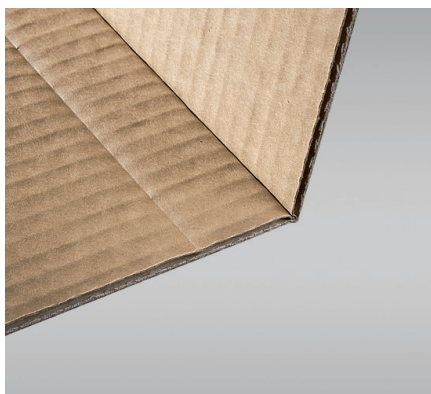


# Creasing Tools and Inserts Selection and Applications

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.

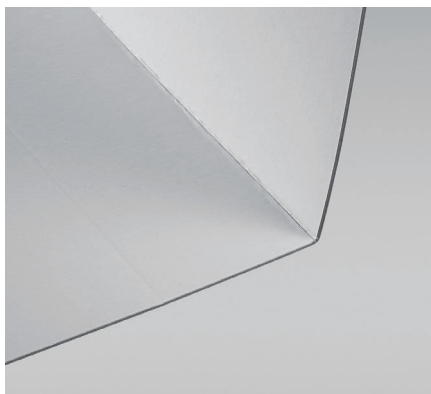
## Creasing Tool Type 1 - CTT1



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**.

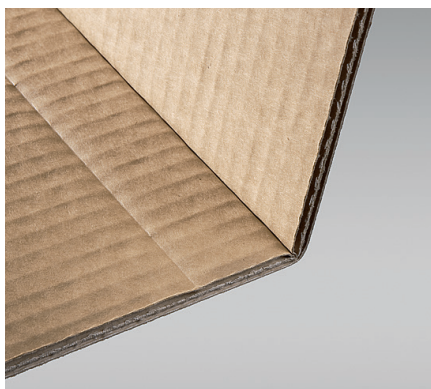
## Creasing Tool Type 2 - CTT2



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**.

## Creasing Tool Type 3 - CTT3




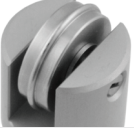




The CTT3 is designed for processing double-wall corrugated cardboard. The tool accommodates crease wheels with a diameter of 90 mm and a width of 28 mm. With or across the corrugation, these crease wheels ensure high-quality results without damage to the top layer. The wheels snap into the holder, making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

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



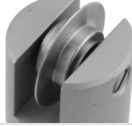



# Overview creasing inserts

A wide range of available tools guarantees perfect creasing of just about any type of material. Below are standard recommendations for different materials; results may vary depending on the quality and specific properties of various brands.

With carton and synthetic materials, the best results are usually achieved when using counters with pre-cut or routed channels as underlays. In packing applications, crease/score widths are measured in «points».

Folding carton						
Part no.	3910604	3910603	5002277	5002275	3910601	3910602
						
Cr. width	4 pt.	4 pt.	2 pt.	3 pt.	2 pt.	3 pt.
Wheel Ø	R24 mm	24 mm	15 mm	R15 mm	24 mm	24 mm
Width	B1.5 mm	1.5 mm	0.7 mm	1.1 mm	0.7 mm	1.1 mm
Depth	1.5 mm	1.0 mm	1.0 mm	1.5 mm	0.7 mm	1.1 mm
Tool	CTT2	CTT2	CTT2	CTT2	CTT2	CTT2
Material	Cardboard 250-400 g/m <sup>2</sup> with counter	Cardboard 250-400 g/m <sup>2</sup> without counter	Cardboard 150-300 g/m <sup>2</sup> without counter	Cardboard 150-300 g/m <sup>2</sup> with counter	Cardboard 150-300 g/m <sup>2</sup> without counter	Cardboard 150-300 g/m <sup>2</sup> without counter

Corrugated board						
Part no.	5005632	5005633	5005634	5003247	5205823	5205824
						
Wheel Ø	61 mm	61 mm	Ø 61 mm	„Crusher“ Cr. wheel Ø 24 mm	90 mm	90 mm
Radius	0.5 mm	0.5 mm	0.5 mm	Radius 7 mm	1.0 mm	0.5 mm
Angle	5°	10°	15°		15°	15°
Tool	CTT1	CTT1	CTT1	CTT2	CTT3	CTT3
Material	Single-wall corr. < 4.5 mm	Single-wall corr. < 4.5 mm	Single-wall corr. < 4.5 mm	General corrugated	Double-wall corr. > 4.5 mm	Double-wall corr. > 4.5 mm

Synthetic and specialty materials						
Part no.	3910605	5002540/41	3910606	3910607	5003245	5003246
						
Radius						
Cr. width	1 pt.	3/1.5 pt.	2 pt.	1.5 mm	1.5 mm	1.5 mm
Wheel Ø	14 mm		24 mm	4 pt.	4 pt.	8 pt.
Width	0.25 mm	1.0/0.5 mm	1.3 mm		24 mm	24 mm
Depth	1.5 mm		5 mm			
Tool	CTT2	CTT2 + Knife holder Type 1	CTT2	CTT2	CTT2	CTT2
Material	PVC- and PP 0.5-1.2 mm	PVC- and PP 0.5-1.2/0.5-1.0 mm	Parchment and soft materials	Honeycomb	Honeycomb	Honeycomb

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