Cutting recommendations | Zünd-cutter

EOT: ELECTRIC OSCILLATING TOOL

TOOL

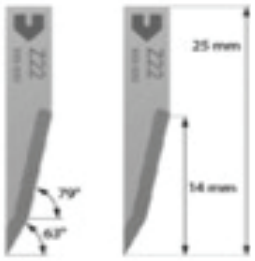
The EOT is ideally suited for cutting materials like KATZ DISPLAY BOARD. The high oscillating frequency makes it possible to cut at high pro-cessing speeds especially for fine, precise contours.

· Knife stroke: 1 mm
· Electric drive
· No cooling
· Compatible with G3, S3, L3

BLADE

Fine, robust blade with low overcut; designed to cut small radii and intricate detail.

· Z 22



UNDERLAY

Uncoated MDF (Medium-Density Fibre-board): it's a fibreboard, which has a hard surface but doesn't affect the vacuum of the cutting machine.

· Thickness: 3.0 mm
· Strong underlay that doesn't support vibration of the cutting substrate
· Cheap and solid underlay as an alternative to the basic grey cutting felt (PLP)

KATZ DISPLAY BOARDS thickness	Blade type	Blade length	Speed mm/sec										Underlay	Accelera-tion	Cutting quality
			80	100	120	140	160	180	200	220	240	260			
1.2 mm	Z 22	14 mm	X	X	X	X	X	X	X	X	X	X	MDF - board	3	High
1.6 mm	Z 22	14 mm	X	X	X	X	X	X	X	X			MDF - board	3	High
2.0 mm	Z 22	14 mm	X	X	X	X	X	X	X	X			MDF - board	3	High
3.0 mm	Z 22	14 mm	X	X	X	X	X	X	X				MDF - board	3	High
5.0 mm	Z 22	14 mm	X	X	X	X	X	X	X				MDF - board	3	High

Half through cut/scoring: minus 0.5 mm board are left measured from the bottom.
All values are based on our experience and may differ from machine to machine.

Cutting recommendations | Zünd-cutter

POT: PNEUMATIC OSCILLATING TOOL

TOOL

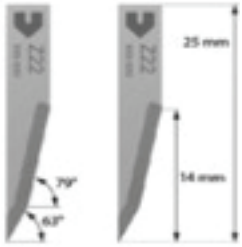
The POT is an air-driven powerful and durable tool particularly well suited for cutting thicker KATZ DISPLAY BOARD (> 3 mm). Suitable especially for fine, precise contours.

· Knife stroke: 8 mm
· Robust, maintenance-free pneumatic drive
· No cooling
· Compatible with G3, S3, L3.

BLADE

Fine, robust blade with low overcut; designed to cut small radii and intricate detail.

· Z22
· alternatively Z 28 (blade is longer, therefore risk of breaking is higher)



UNDERLAY

ZÜND standard grey cutting felt (PLP).

· PLP für Serie G3
· Dicke: 3,0 mm

KATZ DISPLAY BOARDS thickness	Blade type	Blade length	Speed mm/sec				Underlay	Accelera-tion	Cutting quality
			80	150	250	350			
1.2 mm	Z 22	14 mm	X	X			Felt	2	High
1.6 mm	Z 22	14 mm	X	X			Felt	2	High
2.0 mm	Z 22	14 mm	X	X			Felt	2	High
3.0 mm	Z 22	14 mm	X	X			Felt	2	High
5.0 mm	Z 22	14 mm	X	X			Felt	2	High

All values are based on our experience and may differ from machine to machine.

Cutting recommendations | Zünd-cutter

UCT: UNIVERSAL CUTTING TOOL

TOOL

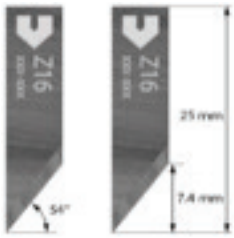
The UCT it's perfect for thinner through cutting and half through cutting materials like KATZ DISPLAY BOARD 1.2 mm & 1.6 mm. The use of drag knives allows for maximum processing speeds.

· Very high cutting speeds
· Compatible with G3, S3, L3.

BLADE

Flat-stock drag blade, designed for rather thin KATZ DISPLAY BOARDS. It allows fast speed.

· Z16
· Flat-stock drag blade



UNDERLAY

ZÜND standard grey cutting felt (PLP).

· PLP for G3 series
· Thickness: 3.0 mm

KATZ DISPLAY BOARDS thickness	Blade type	Blade length	Speed mm/sec								Underlay	Accelera-tion	Cutting quality
			80	150	250	350	450	550	650	750			
1.2 mm	Typ Z 16	7.4 mm	X	X	X	X	X	X	X	X	Felt	3	High
1.6 mm	Typ Z 16	7.4 mm	X	X	X	X	X	X	X	X	Felt	3	High
2.0 mm	Typ Z 16	7.4 mm	X	X	X	X					Felt	3	High
3.0 mm	Typ Z 16	7.4 mm	X	X	X	X					Felt	3	High
5.0 mm	Typ Z 16	7.4 mm	X	X	X	X					Felt	3	High

Half through cut/scoring: minus 0.5 mm board are left measured from the bottom.
All values are based on our experience and may differ from machine to machine.

Cutting recommendations | Zünd-cutter

CTT2: CREASING TOOL TYPE 2 - USING C212 | 1.5 CREASE WHEEL

TOOL

The CTT2 is a universally applicable crease tool. The CTT2 is very good for processing KATZ DISPLAY BOARD 1.2 mm or 1.6 mm. It produces high-quality creases for folding KATZ DISPLAY BOARD.

· High quality clean creases
· Makes KATZ DISPLAY BOARDS foldable without cracking
· Directional pressure adjustments (with/against corrugation)
· Compatible with G3, S3

CREASE WHEEL

Crease wheel
C212 | 1.5

· Creasing width: 4-point
· Creasing wheel diameter: 24 mm
· Radius: 1.5 mm

UNDERLAY

ZÜND basic
grey cutting felt (PLP).

· PLP for G3 series
· Thickness: 3.0 mm

KATZ DISPLAY BOARDS thickness	RillTOOL	Pressure	Speed mm/sec							Speed	Underlay	Accelera-tion	Cutting quality
			1	2	3	4	5	6	7				
1.2 mm	C212 1.5	6.5* / 9.5* Kg	X							1000	Felt	3	Normal
1.6 mm	C212 1.5	6.5* / 9.5* Kg	X							1000	Felt	3	Normal
2.0 mm	not recommended												
3.0 mm	not recommended												
5.0 mm	not recommended												

* With grain / across grain

Best results: 0.5 mm space between each creasing line.
All values are based on our experience and may differ from machine to machine.

Cutting recommendations | Zünd-cutter

CTT2: CREASING TOOL TYPE 2 - USING C202 Crease Wheel

TOOL

The CTT2 is a universally applicable crease tool. The CTT2 is very good for processing KATZ DISPLAY BOARD 1.2 mm or 1.6 mm. It produces high-quality creases for folding KATZ DISPLAY BOARD.

- High quality clean creases
- Makes KATZ DISPLAY BOARDS foldable without cracking
- Directional pressure adjustments (with /agains corrugation)
- Compatible with G3, S3

CREASE WHEEL

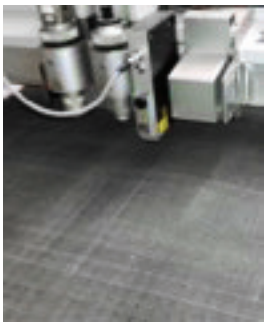
Crease wheel C202
with support 3910604.

- Creasing width: 4-point
- Creasing wheel diameter: 24 mm
- Width: 1.5 mm
- Depth: 1.5 mm

UNDERLAY

ZÜND basic
grey cutting felt (PLP).

- PLP for G3 series
- Thickness: 3.0 mm



KATZ DISPLAY BOARDS thickness	Creasing Tool	Pressure	Speed mm/sec							Speed	Underlay	Accelera-tion	Cutting quality
			1	2	3	4	5	6	7				
1.2 mm	1.5 / 1.5	5 - 8 Kg	X	X	X	X	X	X	X	1000	Felt	4	Normal
1.6 mm	1.5 / 1.5	5 - 8 Kg	X	X	X	X	X	X	X	1000	Felt	4	Normal
2.0 mm	not recommended												
3.0 mm	not recommended												
5.0 mm	not recommended												

Best results: 0.5 mm space between each creasing line.
All values are based on our experience and may differ from machine to machine.

Cutting recommendations | Zünd-cutter

VCT: V-CUT TOOL

TOOL

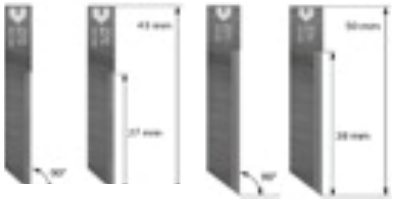
The perfect tool for pro-ducing complex structural designs from KATZ DISPLAY BOARD. This tool is designed for quick tool changes and easy, precise setting of the various cutting angles.
The tool can be set for cutting at 5 different angles (0°, 15°, 22.5°, 30°, 45°).

· Simple, precise angle settings
· Cuts at 5 different angles (0°, 15°, 22.5°, 30°, 45°)
· Quick blade changes
· Compatible with G3, S3

BLADE

Z 70 and Z 71: Stable, long-life carbide blade for V-Cut KATZ DISPLAY BOARDS with very fast processing speeds.

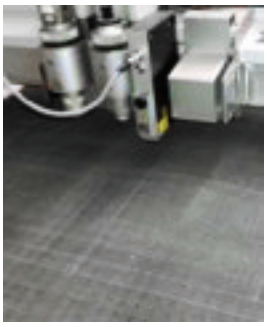
· Z 70
· Blade for 45° V-Cut
· Z 71
· Knife material: HM/Carbide



UNDERLAY

ZÜND standard
grey cutting felt (PLP).

· PLP for G3 series
· Thickness: 3.0 mm



KATZ DISPLAY BOARDS thickness	Blade type	Blade length	Speed mm/sec			Underlay	Accelera-tion	Cutting quality
			400	600	800			
1.2 mm	Z 70 / Z 71	27 / 38 mm	X	X		Felt	3 - 4	Normal
1.6 mm	Z 70 / Z 71	27 / 38 mm	X	X		Felt	3 - 4	Normal
2.0 mm	Z 70 / Z 71	27 / 38 mm	X	X		Felt	3 - 4	Normal
3.0 mm	Z 70 / Z 71	27 / 38 mm	X	X		Felt	3 - 4	Normal
5.0 mm	Z 70 / Z 71	27 / 38 mm	X	X		Felt	3 - 4	Normal

All values are based on our experience and may differ from machine to machine.

Cutting recommendations | Zünd-cutter

PPT: PASSE PARTOUT CUTTING TOOL

TOOL

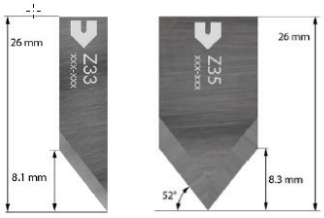
The perfect tool for pro-ducing complex structural designs from KATZ DISPLAY BOARD. This tool is designed for quick tool and knife changes. The Knife angle is 45 degree.

· Compatible with G3, S3
· Quick blade change
· Best 45° cut quality

BLADE

Z33, Z35 for cutting KATZ DISPLAY BOARDS with high quality and fast processing speeds

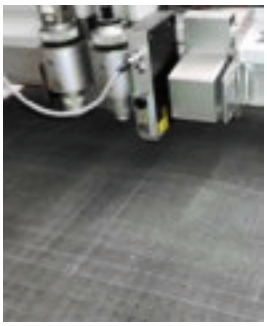
· Z 33, Z35
· Blade for 45° V-Cut
· Knife material: HM/Carbide



UNDERLAY

ZÜND standard
grey cutting felt (PLP).

· PLP for G3 series
· Thickness: 3.0 mm



KATZ DISPLAY BOARDS thickness	Blade type	Blade length	Speed mm/sec			Z-Speed down	Pressure (kg) X / Y	Underlay	Accelera-tion	Cutting quality
			500	800	1000					
1.2 mm	Z33 / Z35	8.3 mm	X	X	X	150	6 / 6	PLP	3	High
1.6 mm	Z33 / Z35	8.3 mm	X	X	X	150	6 / 6	PLP	3	High
2.0 mm	Z33 / Z35	8.3 mm	X	X		150	6 / 6	PLP	3	High
3.0 mm	Z33 / Z35	8.3 mm	X			150	6 / 6	PLP	3	High
5.0 mm	Z33 / Z35	8.3 mm	X			150	6 / 6	PLP	2	High

Drag blades
Drag knives are used in non-powered tools such as UCT, KCT, VCT, SCT, C2, and insertion sleeve 40. Suitable for cutting foil, paper, thin folding cartons, banners, etc.
Flat-stock blades (UCT, SCT, insert sleeve 40): Z6, Z10, Z11, Z44, Z46, Z101, Z102, Z103, Z83
Round-stock blades (C2, C2P, KCT, KCM-S): Z1, Z2, Z3, Z4, Z5, Z7
V-cut blades: Z70, Z71, Z701, Z73
Mat-cutting blades (PPT): Z30, Z33, Z34, Z35
Oscillating blades
Oscillating blades are used in EOT/POT oscillating tools for cutting thick and tough materials.
Oscillating blade – pointed: Z16, Z17, Z20, Z21, Z22, Z60, Z66, Z601, Z606, Z608
Oscillating blade – flat: Z26, Z41, Z42, Z61, Z62, Z63, Z64, Z68, Z69, Z82, Z201, Z202, Z203, Z204, Z603, Z605, Z607
Rotary blade
Rotary blades - decagonal blades - are used in DRT/PRT tools for cutting breathable materials such as textiles, carbon fiber, glass fiber, etc.
Rotary blades: Z50, Z51, Z52, Z53
Coated Knife Blade:z42c,Z50C,Z51C,Z52C,Z104C,Z206C,Z609c