

Overview of oscillating tools



Electric Oscillating Tool - EOT 0.5

Cutting of thin, soft to medium hard materials such as folding carton, corrugated cardboard, or polypropylene, for example.

Knife stroke: 0.5 mm

Electric drive.

No cooling.

Compatible with **G3**, **S3**, **L3**, **D3**.



Electric Oscillating Tool - EOT 1.0

Cutting of soft to medium hard materials such as cardboard, corrugated cardboard, leather, textiles, or foam board.

Knife stroke: 1 mm

Electric drive.

No cooling.

Compatible with **G3**, **S3**, **L3**, **D3**.



Electric Oscillating Tool - EOT-250

Cutting of thick, tough materials like corrugated cardboard, carton, twin-wall sheeting, sole material, felt, or leather.

Knife stroke: 2.5 mm

Powerful electric drive.

Air cooling of knife and motor.

Air consumption: max 70 l/min

Operating pressure: 0.6 MPa

Compatible with **G3**, **S3**, **L3**, **D3**.



Pneumatic Oscillating Tool - POT

Cutting of thick, tough or soft and thick materials like corrugated cardboard, rubber, foam, sole material, felt, leather, or multi-layered textiles.

Knife stroke: 8 mm

Powerful compressed air drive.

Air consumption of 300 - 400 l/min

Operating pressure: 0.8 MPa

Compatible with **G3**, **S3**, **L3**, **D3**.

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Guideline for oscillating tools

	EOT 0.5	EOT 1.0	EOT-250	POT 0.6	POT 1.5
Knife holder	0.63 mm	0.63 mm	0.63 mm / 1.5 mm	0.63 mm	1.5 mm
Cutting speed	high	medium	medium - high	low	low
Cutting force	medium	medium	high	high	high

Graphic

Foam panels ≤ 5 mm	✓	✓	✓	✓	✓
Foam panels > 5 mm	✗	✓	✓	✓	✓
Thin twin-wall sheet, flexible	✓	✓	✓	✓	✓
Thick twin-wall sheet, rigid	✗	✗	✓	✓	✓
Sandwich board	✗	✗	✓	✓	✓

Packaging

Folding carton ≤ 600 g/m²	✓	✓	✓	✓	✓
Folding carton 600-1200 g/m²	✗	✓	✓	✓	✓
Corrugated cardboard ≤ 4 mm	✓	✓	✓	✓	✓
Corrugated cardboard 4-6 mm	✗	✓	✓	✓	✓
Corrugated cardboard 6-15 mm	✗	✗	✓	✓	✓
Corrugated cardboard, special flute design 20-50 mm	✗	✗	✗	✗	✓
Polypropylene ≤ 1.5 mm	✓	✓	✓	✓	✓

Leather

Leather, synthetic leather	✗	✓	✓	✓	✓
Laminated leather	✗	✓	✓	✓	✓
Sole material	✗	✗	✓	✓	✓
Cardboard stencils	✗	✓	✓	✓	✓

Textile

Textiles, clothing	✓	✓	✓	✓	✓
Techn. textiles, home textiles, tents	✓	✓	✓	✓	✓
Felt	✗	✓	✓	✓	✓

Specialty applications

Carbon fiber, glass (woven, non-woven, mats)	✗	✓	✓	✓	✓
Rubber 1-5 mm (≤ 80 shore)	✗	✓	✓	✓	✓
Rubber 5-20 mm (≤ 70 shore)	✗	✗	✗	✓	✓
Soft foam 3-30 mm	✗	✓	✓	✓	✓
Soft foam 30-50 mm	✗	✗	✓	✗	✓
PA, PE, PTFE Panels ≤ 2.5 mm	✓	✓	✓	✓	✓
Honeycomb 5-30 mm (core made from paper)	✗	✗	✓	✓	✓
Honeycomb 30-50 mm (core made from paper)	✗	✗	✓	✗	✓
Expanded PVC 5-50 mm	✗	✗	✓	✗	✓
Multi-layer cutting of textiles 1-20 mm	✗	✗	✓	✓	✓

Legend:

 ideal Tool
  Cutting possible
  Cutting not possible

The range of application varies depending on material and knife installed.