

# FESTOOL

**No. 1**

**KAPEX KS 120:**  
Finally a sliding compound mitre saw saw that merits the Festool brand name.



**No compromises!**

*KAPEX KS 120: the first sliding compound mitre saw by Festool.*

## **Greater cutting capacity, more compact design**

Finally there is a sliding compound mitre saw that combines a large cutting capacity with a compact, lightweight design, achieves the precision needed for high-quality results and offers innovative solutions that would inspire any professional user. Why not try it for yourself?





**Compact design**



**Low weight**

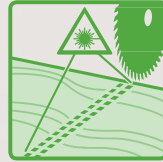


**easy to transport**

**High precision**

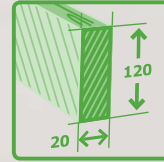


**fine adjustment of bevel angle**

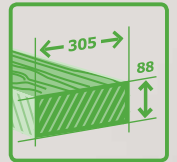


**Dual-line laser**

**Large cutting capacity**



**Tall workpieces**



**Wide workpieces**



## Finest quality down to the smallest detail.

There are many good reasons for choosing the KAPEX: from unique, clever functions that solve problems to an impressive cutting capacity. And all machine features have one thing in common - top quality in every detail.

Here are 17 good reasons to persuade you!

### Fast, accurate bevel cuts

The bevel angle is easy to adjust from the front. Simply lift the bevel lock, set the angle and lock it in - it couldn't be easier...



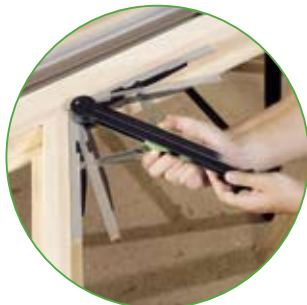
### Space-saving precision design.

The innovative twin-column guide holds the saw blade in position with even greater accuracy and allows you to work right up against the wall.



### 120 mm cutting depth.

The special cutting position on the KAPEX allows you to cut skirting boards with a maximum height of 120 mm quickly, safely and accurately.



### Smart bevel included.

Transfer interior and exterior angles precisely from the workpiece to your KAPEX using the smart bevel.

### Easy transportation.

Easy to transport at only 21.5kg. With integrated transport safety device, cable holder and ergonomic hand grips - the KAPEX is ideal for on-site applications.







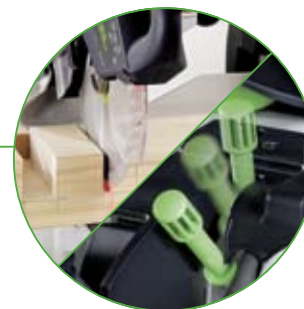
**No dangerous obstacles.**  
The cable holder keeps your workplace tidy and eliminates tripping hazards during transport.



**Dust extraction.**  
The KAPEX is fitted with an extraction connector and an efficient chip catcher. Dust and chips are extracted as they are produced.



**Convenient operation.**  
The guard release is integrated in the two-stage switch and is centrally positioned, making it suitable for both right or left handed operators. The same applies for the safety switch-on lock.



**Precise trenching**  
Cut accurate trenches with the stepless trenching depth adjustment; simply actuate the lever, set the trenching depth with a single turn and start working...



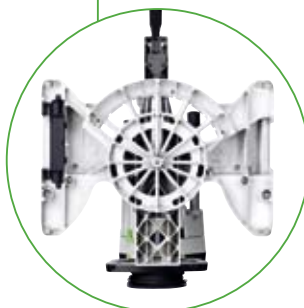
**Secure workpiece support surface.**  
The large, adjustable quick-release fences allow accurate positioning of workpieces in their "finished angle position" and the attachment of custom-made positioning supports.



**Intelligent base height.**  
The KAPEX saw base is the same height as the SYSTAINER SYS 1, which can be used to support long workpieces when working on the floor.



**Easy-to-read scales.**  
The easy-to-read scales are abrasion-resistant, the pointer can also be finely adjusted. Adjust the mitre angle up to 50 degrees left and 60 degrees right, via the quick release lever.



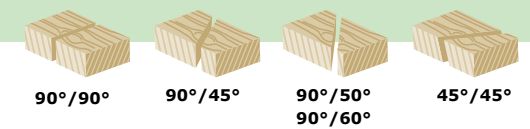
(view from below)

**Robust and stable.**  
The KAPEX was designed for tough industrial applications. The large magnesium diecast base with rubber feet provides maximum stability.

**Impressive cutting capacity**

**Whatever you need to cut ...**  
boards, panels, planks or mouldings – the KAPEX can tackle the most demanding applications in the workshop and on-site. No other sliding compound mitre saw combines such a massive cutting capacity with a compact, lightweight design. Take a look for yourself:

**The cutting capacity of the KAPEX:**



**Standard setting** max. width x height [mm]

	<b>305 x 88</b>	<b>215 x 88</b>	<b>196 x 88 li.</b> <b>152 x 88 re.</b>	<b>215 x 55 li.</b> <b>215 x 35 re.</b>
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**Special cutting position** max. width x height [mm]

	<b>60 x 120</b>	<b>40 x 120 li.</b> <b>20 x 120 re.</b>	-	-
	<b>168 width</b>	<b>168 width</b>	-	-

**Designed for the KAPEX: original Festool saw blades**

**Selecting the right saw blade saves you time, money and energy:**

- Each saw blade is specially designed for specific applications and materials to guarantee perfect cutting results
- A longer useful life and good sharpening properties are just some of the benefits
- Your saw runs more smoothly and generates less noise
- Colour coding makes saw blade selection less complicated







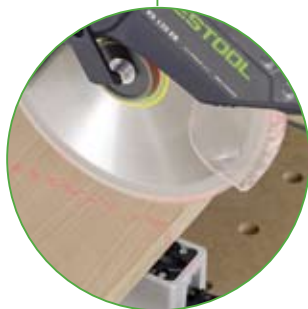
**FastFix saw blade changing system.**  
Rapid blade changes with a convenient saw blade changing system that saves you time and money.



**MMC electronics.**  
With variable speed preselection, smooth start-up, safety brake and overload protection, the MMC electronics minimise working stress and adapt machine performance to the material.



**Settings accurate to the millimetre.**  
Fine bevel angle adjustments are made from the front of the machine, for precise cutting angles. Make complex cuts in no time at all.



**Precision dual-line laser.**  
Whether you position the workpiece from the left or right, the laser lines always show the exact width of the cut and make easy work of precise cuts.

## Focusing on professional requirements:

### Stress-free results ...



### ... with smart bevel and dual-line laser.

The smart bevel allows the precise transfer of interior and exterior angles to the KAPEX – no measurements, calculations or errors. Even complex angles are transferred accurately because the smart bevel calculates the bisecting angle automatically. It packs away neatly in a designated storage spot.

### The benefits to you:

- Simple, precise cutting angle adjustment
- No calculations required and no transfer errors
- Save valuable time



**It's as simple as that:**  
Place the smart bevel on the interior or exterior angle and secure.



Then place the smart bevel against the fence on the KAPEX and align the saw blade with the smart bevel using the dual-line laser.

### Precise results ...



### ... with fine bevel angle adjustment and secure mitre angle positioning

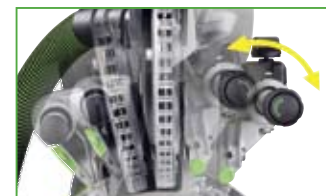
The KAPEX cuts bevels up to 47 degrees on either side and mitres up to 50 degrees to the left and 60 degrees to the right. The convenient bevel lock, easy-to-read scales and bevel fine adjustment feature make it easy to cut precise bevel angles. Cutting compound mitres is just as easy.

### The benefits to you:

- Precision adjustment of bevel and mitre angles
- Accurate cutting results
- Save time and work more conveniently



**It's as simple as that:**  
Set the bevel angle quickly and accurately using the angle preselection knob and quick-release bevel lock



Use the bevel fine adjustment knob to adjust the saw blade angle accurately to the millimetre, from the front of the machine – with only one hand.



Mitre angles are quick and easy to adjust to any angle between 50° (left) and 60° (right).

See inside for more details

**Extensive application possibilities ...**



**... with the special cutting position, for material up to 120 mm in height.**

The innovative special cutting position maximises the cutting capacity of the 10" saw blade, enabling you to cut 120mm high skirting boards positioned vertically against the fence and crown moulding and cornices at their "finished angle".

**The benefits to you**

- Large cutting capacity, up to 120 mm
- Wide range of applications
- Fewer adjustment errors, minimal re-work



**It's as simple as that:**

Simply push down the lever to engage the lock. Press the button to release.



Attach the crown moulding stop to cut crown mouldings in their "finished angle" position. Cut profiles with a maximum width of 168 mm without the workpiece wobbling or slipping.

**Sophisticated overall concept**



**Intelligent details for greater working comfort.**

Using its ingenious, detailed solutions on a daily basis demonstrates how sophisticated and practical the machine concept is. Take a look for yourself:

**MMC electronics**

Variable speed preselection, smooth start-up, constant speed, overload protection and safety brake for extra safety and comfort.



**Trenching depth adjustment**

When trenching and grooving, simply engage the trenching depth adjustment and set the cutting depth with a single turn.



**Base height = SYSTAINER**

The KAPEX base is the same height as the SYSTAINER SYS 1, which can be used to support long workpieces.



**Flexible fences**

The extra-high sliding fences are secured by a quick-release clamp. You can also detach them or add your own positioning supports.





## The strengths of the *KAPEX*:

### Faster...



#### ... due to the **FastFix saw blade changing system.**

A convenient saw blade changing system enables you to quickly adapt the saw blade to the working material, saving time and money! A wide range of saw blades suitable to a variety of materials and applications is available.

#### The benefits to you:

- **Easier, quicker and safer saw blade change**
- **Adaptation to the working material**
- **Saves you time and money**



#### **It's as simple as that:**

Simply turn the FastFix knob to activate the spindle stop. This also prevents the machine from accidental start-up.



The flange is easy to loosen using an Allen key.



Replace the saw blade with a blade more suitable for the current task and carry on working.

### More mobile ...



#### ... due to the **lightweight, compact design.**

The KAPEX is designed for transport between locations. The transport safety device, clamp, cable holder and ergonomic hand grips make the machine easy to transport. The benefits of the compact design and twin-column guide are immediately apparent, nothing protrudes from the rear of the machine.

#### The benefits to you:

- **Easy transport**
- **Suitable for transport between locations**
- **Keeps you flexible at all times**



#### **It's as simple as that:**

The ergonomic hand grip on the cable holder provides a secure and comfortable handhold.



The transport safety device secures the saw head in a lowered position, the clamp prevents it from extending unintentionally.



The KAPEX saves space and can be used directly in front of a wall without obstruction.



**Greater precision ...**



**... due to the dual-line laser.**

The dual-line laser of the KAPEX indicates the exact width of the sawblade on the workpiece. Whether you position the workpiece from left or right, the laser lines will always show the exact cut line, making easy work of precision cuts.

**The benefits to you:**

- Precise mark-out of the cut line
- Position the workpiece from the left or right
- Work quickly and accurately



**It's as simple as that:**

Switch the dual-line laser on or off, depending on requirements. If unused for 30 minutes, the laser switches off automatically to protect the laser unit.



Whether you position the workpiece from the left or right, the dual-line laser shows you the exact cut line.



The two laser lines can be readjusted if required.

**Practical accessories**



**Work quickly and efficiently with a system.**

The wide range of accessories available for the KAPEX include table extensions with integrated measurement scale and adjustable stops, which make repeat cuts extremely easy.

**Multifunction table MFT**

Stand while working: the KAPEX fits perfectly on the MFT's perforated tabletop and is secured with the clamping set.



**Table extension**

Noticeable time savings: adjustable stops positioned on the scale allow you to repeatedly cut workpieces to the same length.



**Workpiece clamp**

No wobbling or slipping: the clamp is adapted perfectly to the KAPEX, providing maximum stability both on the right and left.



**Crown moulding stop**

No re-work: the special fence for crown mouldings and cornices is infinitely adjustable and holds everything perfectly in position.



# KAPEX KS 120: an overview of the cross-cut expert.

## Precision system.

### Sliding compound mitre saw *KAPEX KS 120*



### Applications

- Cutting skirting boards and cornices up to 120 mm in height
- Cutting boards and panels up to 305 x 88 mm
- Cutting crown mouldings up to 168 mm in their "finished position"
- Cutting square timber and beams up to 88 mm thick
- Cutting non-ferrous metal and plastics
- Cutting along the bisector without making calculations

### Features

- Twin-column guide for accurate cuts
- FastFix saw blade changing for adaptation to the working material
- Fine bevel adjustment for convenient, precise angle adjustment
- Precision angle transfer via smart bevel and dual-line laser
- Compact, lightweight design for convenient transport

### Technical data

Power consumption	1600 W
No-load speed	1400 - 3400 rpm
Saw blade diameter	260 mm
Cutting depth at 90°/90°	305 x 88 mm
Cutting depth at 45°/90°	215 x 88 mm
Cutting depth at 45°/45° (left)	215 x 55 mm
Cutting depth at 45°/45° (right)	215 x 35 mm
Special cutting depth at 45°/90° (right)	20 x 120 mm
Crown moulding diagonal cut	168 mm
Bevel angle	47°/47°
Mitre angle	50°/60°
Dimensions (W x D x H)	713 x 500 x 470 mm
Dust extractor connection diameter	27/36mm
Weight	21.5 kg

### System overview and accessories





# Perfect for all your applications.

## KAPEX KS 120 model:

	Scope of delivery	Order no.
<b>KS 120 EB 230V</b>	HW universal saw blade Z 60, bevel, workpiece clamp, operating tool	561283
<b>KS 120 EB 230V-Set</b>	HW universal saw blade Z 60, bevel, workpiece clamp, multifunction table MFT 800 Basic, 2 x table extensions, 2 x crown moulding stops, clamping set, operating tool	561289

## System accessories

	Explanations/Dimensions	Order no.
① Smart bevel KS 120	For transferring angles to the sliding compound mitre saw, bisecting angle is generated automatically, calculations not necessary, for interior and exterior angles, included in the KS 120 scope of delivery	494370
② Workpiece clamp KL-KS 120	For securing workpieces, can be used on the left or right, included in the KS 120 scope of delivery.	494693
③ Clamping set SZ-KS 120	For securing the KS 120 to the multifunction table	494391
④ Crown moulding stop AB-KS 120	Fence for positioning crown mouldings at an angle, also used for securing the table extension KA-KS 120, 1 crown moulding stop with table widener	494369
⑤ Multifunction table MFT 800 BASIC	Base with perforated plate and foldaway legs, 725 x 1165 mm, used as base frame for the KS 120	494694
⑥ Table extension KA-KS 120	For precise results when cutting long workpieces, connected to the KS 120 via crown moulding stop 494369, can be used on the left or right, total length 1280 - 2070 mm, cutting length 380 - 2300 mm, scope of delivery: adjustable stop KA-AR, fence, measurement scale, adjustable legs and workpiece support surface	494354
⑦ Adjustable stop KA-AR	For positioning workpieces against table extension KA-KS 120, CS 70 KA and Basis KA 100/200, included in the scope of delivery of table extension KA-KS 120	488560

## Saw blades

	Grade	Explanations/Dimensions	Order no.
a	Universal saw blade	HW 260x2.5x30 W 60, diameter 260, cutting width 2.5 mm	494604
b	Fine tooth saw blade	HW 260x2.5x30 W 80, diameter 260, cutting width 2.5 mm	494605
c	Special laminate saw blade	HW 260x2.5x30 TF 64, diameter 260, cutting width 2.5 mm	494606
d	Special saw blade, aluminium/plastic	HW 260x2.2x30 TF 68, diameter 260, cutting width 2.2 mm	494607

## KAPEX KS 120 in the Festool system

### The perfect machine for every application.

Festool offers several other semi-stationary saws in addition to the KAPEX KS 120: the SYMMETRIC for cutting mouldings, PRECISIO trimming saws for cross cuts and rip cuts, and the COMPACT MODULE SYSTEM for various applications. True to the motto: **Tools for the toughest demands.**



**Compound mitre saw SYMMETRIC SYM 70:**  
The lightweight trimming specialist for window frames, cornices and architraves.



**Trimming saws PRECISIO CS 50 / CS 70:**  
Mobile allrounders for cross cuts and rip cuts in applications where the nature of the work constantly changes.



**CMS COMPACT MODULE SYSTEM:**  
The versatile modular system for cross cuts and rip cuts, compatible with other modules such as the router, belt sander etc.



**Your link to more information...**

On the Festool site you can find information about

- new products
- helpful application examples
- our comprehensive after-sales service
- the complete product range
- product features in detail
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**Three years guarantee –  
that means three years security.**



Festool grants a 1 year guarantee from the date of purchase, as long as the tool has been used correctly. This guarantee is automatically extended by a further two years, provided

that the warranty form with every new tool is completed correctly and returned to Festool Australia within 30 days of the date of purchase.

Dealer