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Press release for the technical press

Infoline for reader and journalists
Festool UK Ltd
Gottlieb Stoll House
Holly Bonnett
1 Anglo Saxon Way
Rougham
Bury St Edmunds
IP30 9XH
Great Britain
Tel. +44(1284) 727270
Fax +44 (1284) 702156
www.festool.co.uk
Holly.bonnett@festool.com

No more dangerous kickbacks

Increasing safety when drilling, screwdriving and sawing: The new KickbackStop technology from Festool makes this possible

Many risks lie in wait during daily work on the construction site and in the workshop. In order to counter this, the German manufacturer Festool develops intelligent functions for tools in order to reduce these risks. One such function is the new KickbackStop, which finally puts an end to dangerous kickbacks. Festool has significantly improved the new generation of the TSC 55 K cordless plunge-cut saws and the new QUADRIVE cordless drills and has added the KickbackStop technology to these.

The premium brand Festool is renowned for offering tools for safe and healthy work and for continuously developing such tools. This is also true for the new TSC 55 K cordless plunge-cut saw and for the new QUADRIVE TPC 18/4 cordless percussion drill and TDC 18/4 cordless drill with the intelligent KickbackStop, which stops the motor within a split second. This is extremely practical for tradespeople as it reduces their risk of injury to a minimum.

KickbackStop on the TSC 55 K cordless plunge-cut saw

"**Dangerous kickbacks will be a thing of the past** with our new cordless plunge-cut saw, as we have made it even safer with the new unique KickbackStop", explains Boris Seyfried – product manager at Festool. In one's working life, often even just a millisecond is crucial: Kickback is the

most common cause of serious injuries when using a plunge-cut saw. "Safety is a very important topic for us. Should kickback occur when sawing and plunging into the workpiece, our unique KickbackStop technology ensures that the saw blade in our cordless plunge-cut saw stops in the blink of an eye. This is how it looks in detail: The feeler wedge of the KickbackStop rests on the guide rail or on the material that is to be processed. If a kickback occurs when plunging into the workpiece or when sawing, this is immediately detected by the feeler wedge and emergency braking is triggered. The backwards movement of the plunge-cut saw in the direction of the user is stopped and the risk of injury is therefore minimised," describes Boris Seyfried.

KickbackStop on the new QUADRIVE cordless drill

The two new cordless drills are powerful, versatile and, with four speeds, perfectly equipped to take on any application. Their sophisticated switching concept provides the right torque and speed for any application. They are extremely tough and, furthermore, with the brushless EC-TEC motor technology, they are extremely resilient and durable. The KickbackStop prevents your wrist from twisting dangerously. A sensor in the electronics continuously monitors the speed in the rotary movement and the twist angle. In the event that the tool jams, the machine switches off in critical situations. The new KickbackStop technology therefore reduces the risk that your wrist will be twisted if the drill suddenly jams.

The new TSC 55 K circular saws and the new QUADRIVE TPC 18/4 and TDC 18/4 cordless drills are available from specialist retailers from April 2021. You can find additional information and animated videos at www.festool.co.uk/kickbackstop *(online from 15th February 2021)*

Total approx. 3190 characters (including spaces)

Technical data	**TSC 55 K** **Cordless plunge-cut saw**
Power	18/36 V
No-load speed rpm	2650–3800/5200
Saw blade diameter	160 mm
Angle range	-1° to 47°
Cutting depth	0–55 mm
Cutting depth at 45°	43 mm
Connection Ø d/e	27/36 mm
Weight	5.3 kg (2 x 18 V) 4.6 kg (1 x 18 V)
Safety	KickbackStop Safety brake

Technical data	**TDC 18/4 and TPC 18/4**
Battery voltage	18 V
No-load speed (rpm)	500, 800, 2350, 3600
Max. torque 1. Gear (wood/steel)	50/75 Nm
Weight with 4.0 and 5.2 Ah (kg)	1.9/2.0
Chuck range (mm)	1.5–13

Image preview



Image: Festool_KickbackStop_01.jpg
No more dangerous kickbacks: Festool has significantly improved the new generation of the TSC 55 K cordless plunge-cut saws and the new QUADRIVE cordless drills and has added the KickbackStop technology to these.





Image: Festool_KickbackStop_02.jpg
The new TSC 55 K cordless plunge-cut saw with unique KickbackStop. During sawing, the KickbackStop's feeler wedge rests on the guide rail or on the material that is to be processed. If a kickback occurs when plunging into the workpiece or when sawing, this is immediately detected by the KickbackStop's feeler wedge and emergency braking is triggered. The backwards movement of the plunge-cut saw in the direction of the user is stopped and the risk of injury is therefore minimised.

Image: Festool_KickbackStop_03.jpg



Image: Festool_KickbackStop_04.jpg
You can find additional information and animated videos at www.festool.co.uk/kickbackstop *(online from 15th February 2021)*



Image: Festool_KickbackStop_05.jpg
Powerful with extra safety. The electronic kickback stop prevents your wrist from twisting dangerously if the drill suddenly becomes caught or jammed, therefore ensuring improved safety when working. A sensor in the electronics continuously monitors the speed in the rotary movement and the twist angle. In the event that the tool jams, the machine switches off in critical situations.



Image: Festool_KickbackStop_06.jpg

	**Image: Festool_KickbackStop_07.jpg** You can find additional information and animated videos at www.festool.co.uk/kickbackstop *(online from 15th February 2021)*
	**Image: Festool_BorisSeyfried.jpg** "Dangerous kickbacks will be a thing of the past with our new cordless plunge-cut saw, as we have made it even safer with the new unique KickbackStop", explains Boris Seyfried – product manager at Festool.
	Image: QR_KickbackStop_30mm_UK.jpg For technical experts: You can find the animation for the KickbackStop and additional information at www.festool.co.uk/kickbackstop *(Available as of 15th February 2020)*

Image source: Festool GmbH