TECHNICAL DATA SHEET

Festool TSC 55 KSEB-Basic | Cordless plunge-cut saw | Product no. 577988

Compact professional plunge-cut saw with a single 18 V battery interface, brushless EC-TEC drive and sensor-based KickbackStop. Designed for accurate guided cuts in timber and panel materials.

Technical specifications

Rated battery voltage	18 V (single battery pack)
Motor	Brushless EC-TEC
No-load speed	3,500–5,200 min■[1]
Saw blade diameter	160 mm
Supplied blade	HW 160 × 1.6 × 20 FWWW35
Bevel angle range	–1° to 47°
Cutting depth at 0°	0–55 mm
Cutting depth at 45°	43 mm
Dust extraction connection	27/36 mm
Product weight without accessories	3.30 kg
Transport weight incl. accessories	6.52 kg

Design and operating features

KickbackStop: Sensor-based safety function stops the blade rapidly if kickback is detected. It reduces risk but does not replace safe working practices.

FastFix: Spindle stop enables convenient saw blade changes. Adjustable depth setting works with or without compatible guide rails.

Cut quality: 1.6 mm thin-kerf blade, supplied splinterguard and compatibility with Festool guide rails. Compact housing permits cuts approximately 12 mm from a wall.

APPLICATIONS & PACKAGE CONTENTS

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Typical professional applications

Straight and plunge cuts in suitable wood and sheet materials; trimming interior doors; cutting kitchen worktops and wall cladding; making recesses and expansion joints; parquet flooring repairs. Use an appropriate blade and guide system for the material.

Basic package contents

Saw blade	HW 160 × 1.6 × 20 FWWW35
Chip collection bag	SB/2-TSC/HKC
Viewing window	Flag window / vision panel
Edge protection	Splinterguard
Tool	Hex key, WAF 5
Storage	Systainer³ SYS3 M 337
Not included	Battery pack, charger and guide rail

Noise and vibration — published values

Sound pressure, LpA	91 dB(A) — sawing wood and metal
Sound power, LWA	99 dB(A) — sawing wood and metal
Noise uncertainty, K	3 dB
Vibration total, ah	2.5 m/s² — sawing wood and metal
Vibration uncertainty, K	1.5 m/s²

Operation and safety notes

Wear suitable eye, hearing and respiratory protection. Secure the workpiece, select the correct blade and follow the manufacturer’s operating instructions. Connect a compatible dust extractor where appropriate. Use a compatible Festool 18 V battery; Festool highlights the 8.0 Ah Li-HighPower battery for maximum performance and also lists the 5.0 Ah Li-HighPower battery as compatible.

Source and document status

Source: Festool official TSC 55 KSEB-Basic product listing (577988), https://www.festool.co.uk/products/new-products/tools/577988---tsc-55-kseb-basic (accessed October 2026).

Independently prepared technical summary. Not an official Festool-issued data sheet. Manufacturer specifications, safety instructions and package contents take precedence; check regional variants before ordering.