## **SURFCOM · CONTOURECORD Option**

## Replaceable Roughness Profile Measuring Stylus (Tip Radius 2 µm)

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Applicable models	S-TOUCH50		S-TOUCH550 FLEX-50 S130 S1400 S1500 S1900 S	1910 S480 S1800	S2800 ■ S2900 ■ S-NEX**1
Measuring application	Model		External view	Specifications	Remarks
General purpose	DM43801		3 4 + - 01.2 02.7 - 33.5 - 5.7	Rtip 2 µm, 60°conical diamond, 0.75 mN	* All orientations * Horizontal tracing possible * Standard accessory
Fine wires, knife edges			3 4 → → → 02	Rtip 2 µm, 60°knife edge-shaped diamond, 0.75 mN	All orientations
Medium fine holes	DM43809	•	2.6 15 02.7 (4.8) 5.7	Rtip 2 µm, 60°conical diamond, 0.75 mN	* All orientations * Horizontal tracing possible
Extra fine holes, gear flank	DM43811		0.9 7 4.8 33.5 (0.5)	Rtip 2 µm, 60°conical diamond, 0.75 mN	* All orientations
Fine holes/ thin grooves	DM43812*1		01.2 02.7 1.7 15 33.5 (4.8) 5.7 (0.7) 02.7	Rtip 2 µm, 60°conical diamond, 0.75 mN	* All orientations * Horizontal tracing possible
Hole bottom/conical surfaces	DM43813		02.7	Rtip 2 µm, 60°conical diamond, 0.75 mN	* All orientations * Horizontal tracing possible
Corners/ tooth surfaces	DM43814*1		01.2 02.7 8 15 33.5 5.7	Rtip 2 µm, 60°conical diamond, 0.75 mN	All orientations Horizontal tracing possible
Deep grooves/ round grooves	DM43815*1	•	02.7 15 -01.2 (1.1) 33.5 5.7	Rtip 2 µm, 60°conical diamond, 0.8 mN	Downward measurement Large waveform distortion
Fine long holes	DM43821		01.2 02.7 1.7 00.8 40.7 (4.8) 5.7 (0.7)	Rtip 2 µm, 60°conical diamond, 3 mN	Downward measurement Sensitivity: 1/2 Magnification: x5000 Large waveform distortion
Low magnification, long holes	DM43822*1	•	3 2 - 01.2 02.7 73.5 80.3	Rtip 2 µm, 60°conical diamond, 3 mN	Downward measurement Sensitivity: 1/2 Magnification: x20000
Low magnification, corners	DM43824		01.2 02.7	Rtip 2 µm, 60°conical diamond, 4 mN	Downward measurement Sensitivity: 1/2 Magnification: x20000
Deep groove corners	DM43827		35 03 73.5 5.7	Rtip 2 µm, 60°conical diamond, 4 mN	Downward measurement Sensitivity: 1/2 Magnification: x10000
Deep hole grooves, O-ring groove bottom surfaces	DM43825	•	3 02.7 15 -01.2 73.5 1.1	Rtip 2 μm, 60°conical diamond, 3.4 mN	Downward measurement Sensitivity: 1/2 Magnification: x20000 Large waveform distortion
Extra deep grooves	DM43826	•	73.5	Rtip 2 µm, 60°conical diamond, 4 mN	Downward measurement Sensitivity: 1/2 Magnification: x5000 Large waveform distortion
Stylus set	DM43900		Pickup E-DT-SS01A-B, E-DT-SSE01A	Rtip 2 μm	Nosepiece DM44026-A Stylus DM43801, DM43811, DM43812, DM43814, DM43815, DM43822
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<sup>\*1</sup> Indicates stylus/nose piece set DM43800. The value of measuring force is when E-DT-S03A-B/E-DT-SE19A-B/E-DT-SS01A-B/E-DT-SSE01A are mounted.



