

Replaceable Roughness Profile Measuring Stylus (Tip Radius 2 µm)

Applicable models ■ S-TOUCH50 ■ S-TOUCH550 ■ FLEX-50 ■ S130 ■ S1400 ■ S1500 ■ S1900 ■ S1910 ■ S480 ■ S1800 ■ S2800 ■ S2900 ■ S-NEX\*\*1

Measuring application	Model	External view	Specifications	Remarks
General purpose	DM43801		Rtip 2 µm, 60°conical diamond, 0.75 mN	<ul style="list-style-type: none"> <li>All orientations</li> <li>Horizontal tracing possible</li> <li>Standard accessory</li> </ul>
Fine wires, knife edges	DM43802		Rtip 2 µm, 60°knife edge-shaped diamond, 0.75 mN	<ul style="list-style-type: none"> <li>All orientations</li> </ul>
Medium fine holes	DM43809		Rtip 2 µm, 60°conical diamond, 0.75 mN	<ul style="list-style-type: none"> <li>All orientations</li> <li>Horizontal tracing possible</li> </ul>
Extra fine holes, gear flank	DM43811		Rtip 2 µm, 60°conical diamond, 0.75 mN	<ul style="list-style-type: none"> <li>All orientations</li> </ul>
Fine holes/ thin grooves	DM43812*1		Rtip 2 µm, 60°conical diamond, 0.75 mN	<ul style="list-style-type: none"> <li>All orientations</li> <li>Horizontal tracing possible</li> </ul>
Hole bottom/conical surfaces	DM43813		Rtip 2 µm, 60°conical diamond, 0.75 mN	<ul style="list-style-type: none"> <li>All orientations</li> <li>Horizontal tracing possible</li> </ul>
Corners/ tooth surfaces	DM43814*1		Rtip 2 µm, 60°conical diamond, 0.75 mN	<ul style="list-style-type: none"> <li>All orientations</li> <li>Horizontal tracing possible</li> </ul>
Deep grooves/ round grooves	DM43815*1		Rtip 2 µm, 60°conical diamond, 0.8 mN	<ul style="list-style-type: none"> <li>Downward measurement</li> <li>Large waveform distortion</li> </ul>
Fine long holes	DM43821		Rtip 2 µm, 60°conical diamond, 3 mN	<ul style="list-style-type: none"> <li>Downward measurement</li> <li>Sensitivity: 1/2</li> <li>Magnification: x5000</li> <li>Large waveform distortion</li> </ul>
Low magnification, long holes	DM43822*1		Rtip 2 µm, 60°conical diamond, 3 mN	<ul style="list-style-type: none"> <li>Downward measurement</li> <li>Sensitivity: 1/2</li> <li>Magnification: x20000</li> </ul>
Low magnification, corners	DM43824		Rtip 2 µm, 60°conical diamond, 4 mN	<ul style="list-style-type: none"> <li>Downward measurement</li> <li>Sensitivity: 1/2</li> <li>Magnification: x20000</li> </ul>
Deep groove corners	DM43827		Rtip 2 µm, 60°conical diamond, 4 mN	<ul style="list-style-type: none"> <li>Downward measurement</li> <li>Sensitivity: 1/2</li> <li>Magnification: x10000</li> </ul>
Deep hole grooves, O-ring groove bottom surfaces	DM43825		Rtip 2 µm, 60°conical diamond, 3.4 mN	<ul style="list-style-type: none"> <li>Downward measurement</li> <li>Sensitivity: 1/2</li> <li>Magnification: x20000</li> <li>Large waveform distortion</li> </ul>
Extra deep grooves	DM43826		Rtip 2 µm, 60°conical diamond, 4 mN	<ul style="list-style-type: none"> <li>Downward measurement</li> <li>Sensitivity: 1/2</li> <li>Magnification: x5000</li> <li>Large waveform distortion</li> </ul>
Stylus set	DM43900		Rtip 2 µm	Nosepiece DM44026-A Stylus DM43801, DM43811, DM43812, DM43814, DM43815, DM43822

\*1 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.