
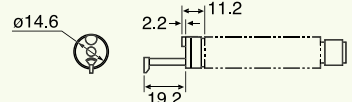
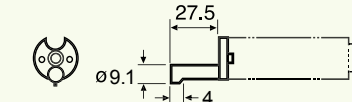
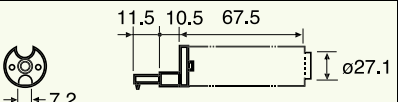
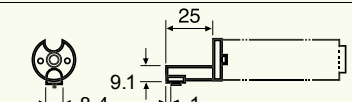
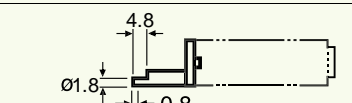
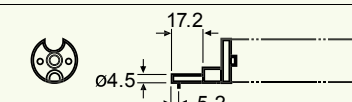
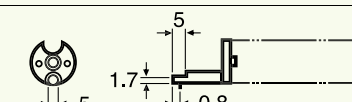
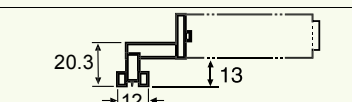
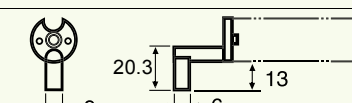
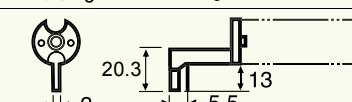
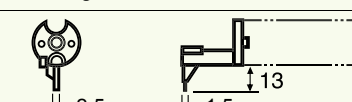
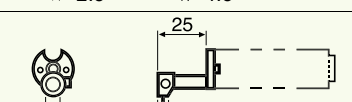
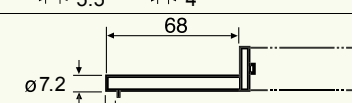
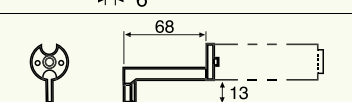
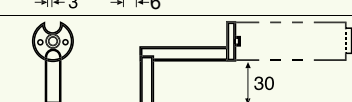
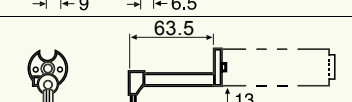


Nose Piece

Applicable models ■ S1500 ■ S1900 ■ S1910 ■ S2900 ■ S-NEX001

Measuring application	Model	External view	Applicable stylus	Skid shape	Remarks
Skidless 	DM44026		All	-	<ul style="list-style-type: none"> • Front travel adjustment with adjustment screw • E-DT-SS01A pickup use only


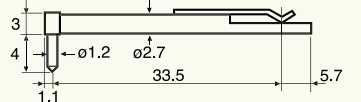

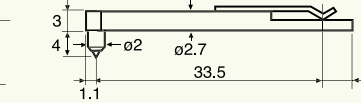

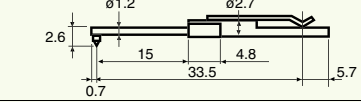

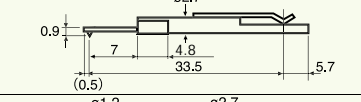

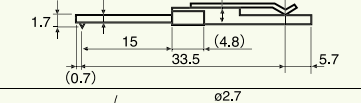



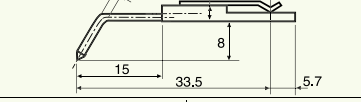

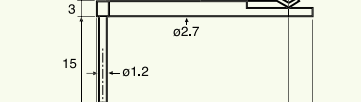

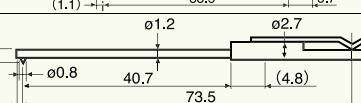

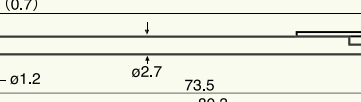



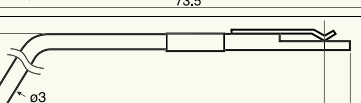

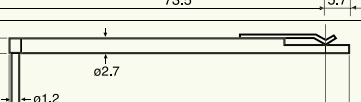

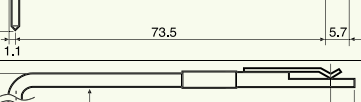
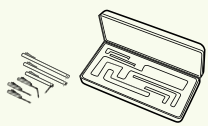
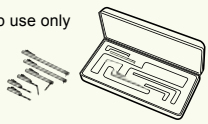
Applicable models ■ FLEX-50 ■ S130 ■ S480 ■ S1400 ■ S1800 ■ S2800

Measuring application	Model	External view	Applicable stylus	Skid shape	Remarks
General purpose	010 2701		010 2501 DM43801	32 mmR sapphire	<ul style="list-style-type: none"> • Tip skid • Standard pickup built in
Skidless	010 2702*		All styluses	-	<ul style="list-style-type: none"> • For protection • For front travel adjustment
Horizontal tracing of ordinary planes	010 2703*		010 2501 DM43801		<ul style="list-style-type: none"> • Double sided straddling skid • Skid radius for horizontal tracking: 4.5 mm
Extra fine holes	010 2704		010 2511 DM43811	8 mmR tool steel	<ul style="list-style-type: none"> • Double sided straddling skid • Position adjustment with stylus required
Fine holes	010 2705		010 2512 DM43812	8 mmR tool steel	<ul style="list-style-type: none"> • Tip skid
Thin groove tooth surfaces	010 2706		010 2512 DM43812	8 mmR tool steel	<ul style="list-style-type: none"> • Double sided straddling skid
Curved surfaces	010 2707		010 2515 DM43815	32 mmR sapphire	<ul style="list-style-type: none"> • Sliding skid
Deep grooves	010 2708		010 2515 DM43815	32 mmR sapphire	<ul style="list-style-type: none"> • Double sided straddling skid
Narrow deep grooves	010 2709*		010 2515 DM43815	32 mmR sapphire	<ul style="list-style-type: none"> • Tip skid
R grooves	010 2710*		010 2515 DM43815	0.8 mmR ruby	<ul style="list-style-type: none"> • One sided straddling skid • Magnification: 5,000 or more • Position adjustment with stylus required • Recording only
Small round bars	010 2711		010 2501 DM43801	32 mmR sapphire	<ul style="list-style-type: none"> • Double sided straddling skid • Skid position adjustment required • Three types of skids provided for 2 to 4, 4 to 8, 8 to 16
Long holes	010 2722*		010 2522 DM43822	32 mmR sapphire	<ul style="list-style-type: none"> • Tip skid
Deep grooves in holes	010 2723		010 2525 DM43825	32 mmR sapphire	<ul style="list-style-type: none"> • Tip skid • Position adjustment with stylus required
Extra deep grooves	010 2724		010 2526 DM43826	32 mmR sapphire	<ul style="list-style-type: none"> • Double sided straddling skid • Position adjustment with stylus required
Bottom surface of O-ring grooves	010 2726		010 2525 DM43825	0.8 mmR ruby	<ul style="list-style-type: none"> • Double sided straddling skid • Magnification: 5,000 or more • Position adjustment with stylus required

* Indicates stylus/nose piece set DM43800 and 010 2640

Replaceable Roughness Profile Measuring Styli (Tip Radius 2 µm)


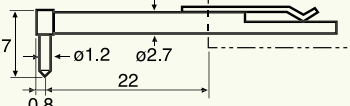
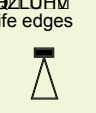
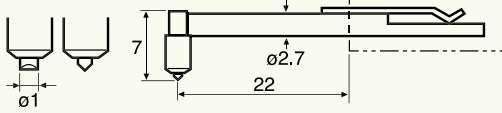
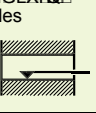
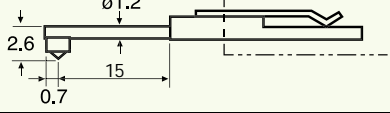
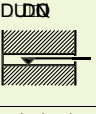
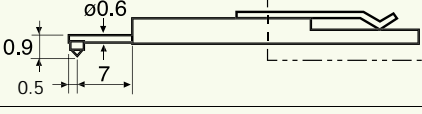
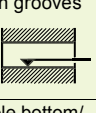
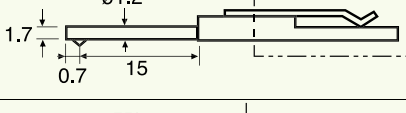

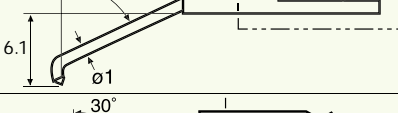

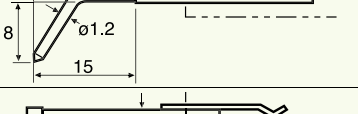
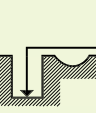
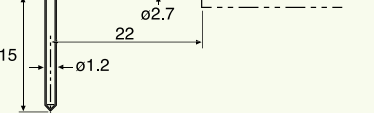

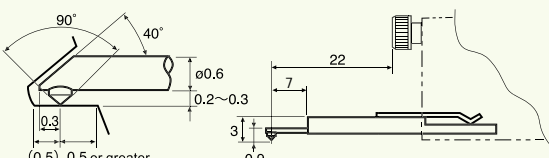
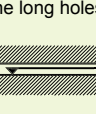
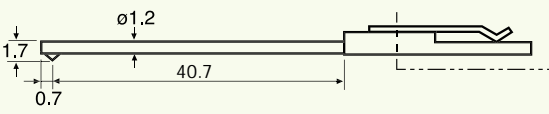
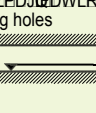
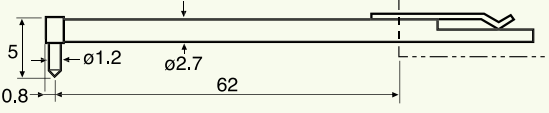
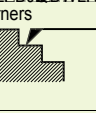
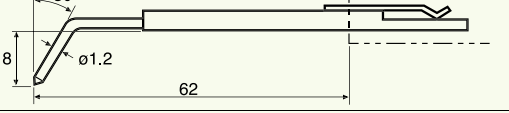

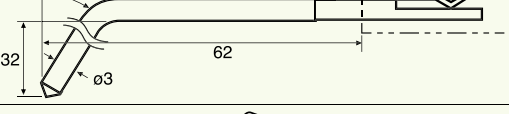
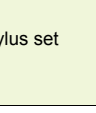
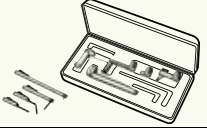
Applicable models ■ FLEX-50 ■ S130 ■ S1400 ■ S1500 ■ S1900 ■ S1910 ■ S480 ■ S1800 ■ S2800 ■ S2900 ■ S-NEX001

Measuring application	Model	External view	Specifications	Remarks
 General purpose	DM43801		B5 BRCFDOGLDPRQ 0.75 mN	<ul style="list-style-type: none"> All orientations Horizontal tracing possible Standard accessory
 Knife edges	DM43802		B5 60° knife edge-shaped GLDPRQ 0.75 mN	<ul style="list-style-type: none"> All orientations
 Flat surfaces	DM43809		B5 BRCFDOGLDPRQ 0.75 mN	<ul style="list-style-type: none"> All orientations Horizontal tracing possible
 Grooves	DM43811		B5 BRCFDOGLDPRQ 0.75 mN	<ul style="list-style-type: none"> All orientations Horizontal tracing possible
 Fine holes/ thin grooves	DM43812*		B5 BRCFDOGLDPRQ 0.75 mN	<ul style="list-style-type: none"> All orientations Horizontal tracing possible
 Hole bottom/ conical surfaces	DM43813		B5 BRCFDOGLDPRQ 0.75 mN	<ul style="list-style-type: none"> All orientations Horizontal tracing possible
 Corners/ tooth surfaces	DM43814*		B5 BRCFDOGLDPRQ 0.75 mN	<ul style="list-style-type: none"> All orientations Horizontal tracing possible
 Deep grooves/ round grooves	DM43815*		B5 BRCFDOGLDPRQ 0.8 mN	<ul style="list-style-type: none"> Downward measurement Large waveform distortion
 Fine long holes	DM43821		B5 BRCFDOGLDPRQ 3 mN	<ul style="list-style-type: none"> Downward measurement Sensitivity: 1/2 ODJEDWLRQ Large waveform distortion
 Long holes	DM43822*		B5 BRCFDOGLDPRQ 3 mN	<ul style="list-style-type: none"> Downward measurement Sensitivity: 1/2 ODJEDWLRQ
 Corners	DM43824		B5 BRCFDOGLDPRQ 4 mN	<ul style="list-style-type: none"> Downward measurement Sensitivity: 1/2 ODJEDWLRQ
 Deep groove corners	DM43827		B5 BRCFDOGLDPRQ 4 mN	<ul style="list-style-type: none"> Downward measurement Sensitivity: 1/2 ODJEDWLRQ
 O-ring groove bottom surfaces	DM43825		B5 BRCFDOGLDPRQ 3.4 mN	<ul style="list-style-type: none"> Downward measurement Sensitivity: 1/2 ODJEDWLRQ Large waveform distortion
 Extra deep grooves	DM43826		B5 BRCFDOGLDPRQ 4 mN	<ul style="list-style-type: none"> Downward measurement Sensitivity: 1/2 ODJEDWLRQ Large waveform distortion
Stylus set	DM43800		B5	Nosepiece Stylus
	DM43900	E-DT-SS01A pickup use only 	B5	Nosepiece DM44026 Stylus

* Indicates stylus/nose piece set DM43800. The value of measuring force is when E-DT-S03A/E-DT-SE19A are mounted.

Replaceable Roughness Profile Measuring Styli (Tip Radius 5 μm)


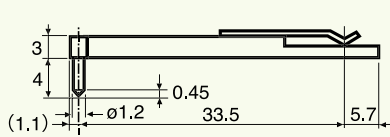

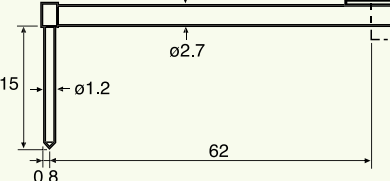

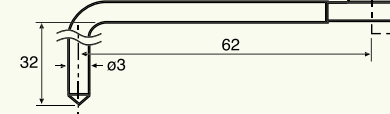

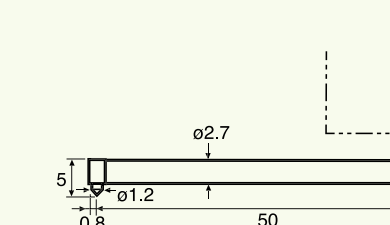

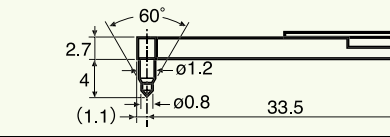

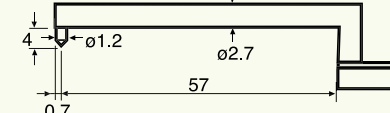
Applicable models ■ FLEX-50 ■ S130 ■ S1400 ■ S1500 ■ S1900 ■ S1910 ■ S480 ■ S1800 ■ S2800 ■ S2900 ■ S-NEX001

Measuring application	Model	External view	Specifications	Remarks
 General purpose	010 2501		B5 BRQFDGLDRQ 4 mN	<ul style="list-style-type: none"> All orientations Horizontal tracing possible
 knife edges	010 2502		B5 90°knife edge-shaped GLDRQB1	<ul style="list-style-type: none"> All orientations
 holes	010 2509		B5 BRQFDGLDRQ 4 mN	<ul style="list-style-type: none"> All orientations Horizontal tracing possible
 thin grooves	010 2511		B5 BRQFDGLDRQ 4 mN	<ul style="list-style-type: none"> All orientations Horizontal tracing possible
 Fine holes/ thin grooves	010 2512*		B5 BRQFDGLDRQ 4 mN	<ul style="list-style-type: none"> All orientations Horizontal tracing possible
 Hole bottom/ conical surfaces	010 2513		B5 BRQFDGLDRQ 4 mN	<ul style="list-style-type: none"> All orientations Horizontal tracing possible
 Corners/ tooth surfaces	010 2514*		B5 BRQFDGLDRQ 4 mN	<ul style="list-style-type: none"> All orientations Horizontal tracing possible
 Deep grooves/ round grooves	010 2515*		B5 BRQFDGLDRQ 5 mN	<ul style="list-style-type: none"> Downward measurement Large waveform distortion
 Gear tooth	010 2518		B5 BRQFDGLDRQ 4 mN	<ul style="list-style-type: none"> Downward measurement
 Fine long holes	010 2521		B5 BRQFDGLDRQ 5 mN	<ul style="list-style-type: none"> Downward measurement Sensitivity: 1/2 Downward measurement Large waveform distortion
 long holes	010 2522*		B5 BRQFDGLDRQ 5 mN	<ul style="list-style-type: none"> Downward measurement Sensitivity: 1/2 Downward measurement
 corners	010 2524		B5 BRQFDGLDRQ 5 mN	<ul style="list-style-type: none"> Downward measurement Sensitivity: 1/2 Downward measurement
 Deep groove corners	010 2527		B5 BRQFDGLDRQ 8 mN	<ul style="list-style-type: none"> Downward measurement Sensitivity: 1/2 Downward measurement Large waveform distortion
 Stylus set	010 2640		B5	Nosepiece Stylus

* Indicates stylus/nose piece set 010 2640. The value of measuring force is when E-DT-S01A/E-DT-SE18A are mounted

Replaceable Roughness Profile Measuring Styli

Applicable models ■ FLEX-50 ■ S130 ■ S1400 ■ S1500 ■ S1900 ■ S1910 ■ S480 ■ S1800 ■ S2800 ■ S2900 ■ S-NEX001


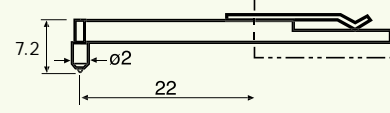

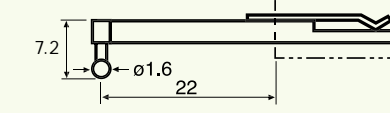

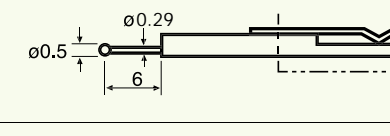

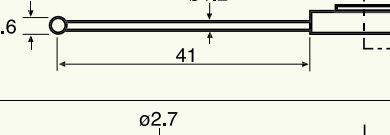

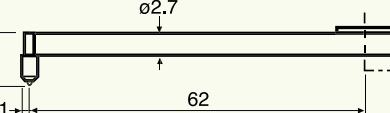
Measuring application	Model	External view	Specifications	Remarks
Soft materials 	010 2508		B5□ BRCFD0GLDPRQ□ 0.75 mN	<ul style="list-style-type: none"> All orientations Horizontal tracing possible 6SHFIEDWLRQ UHIRUZKHQ E-DT-S02A is mounted
HHSKROHJURRYHV bottom surface of Oring groove 	010 2525		B5□ BRCFD0GLDPRQ□ 8 mN	<ul style="list-style-type: none"> Downward measurements Sensitivity: 1/2 0DJEDWLRQ Large waveform distortion
Extra deep grooves 	010 2526		B5□ BRCFD0GLDPRQ□ 8 mN	<ul style="list-style-type: none"> Downward measurements Sensitivity: 1/2 0DJEDWLRQ Large waveform distortion
Bottom surface of holes 	010 2541		B5□ BRCFD0GLDPRQ□ 8 mN	<ul style="list-style-type: none"> 0DJEDWLRQ Large waveform distortion Dedicated connecting rod used
High PDJEDWLRQ measurement 	010 2506		B5□ BRCFD0GLDPRQ□ 0.75 mN	<ul style="list-style-type: none"> All orientations Horizontal tracing possible 6SHFIEDWLRQ UHIRUZKHQ E-DT-S04A is mounted.
High PDJEDWLRQ FRWRXUSURJHV 	010 2528		B5□ BRCFD0GLDPRQ□ 8 mN	<ul style="list-style-type: none"> Downward measurements Sensitivity: 1/2 0DJEDWLRQ JRU(766□

* The value of measuring force is when E-DT-S01A/E-DT-SE18A are mounted

Standard Inventory Parts

Replaceable Waviness Profile Measuring Styli

Applicable models ■ FLEX-50 ■ S130 ■ S1400 ■ S1500 ■ S1900 ■ S1910 ■ S480 ■ S1800 ■ S2800 ■ S2900 ■ S-NEX001

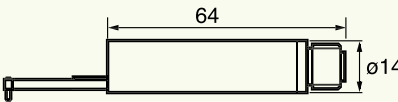
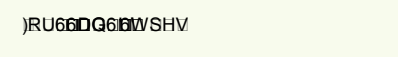
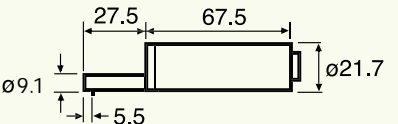
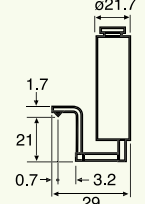
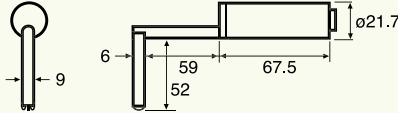
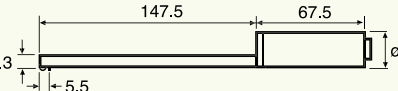
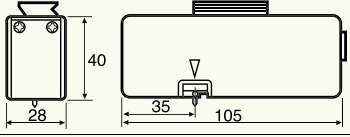
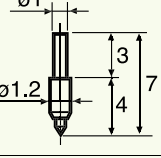
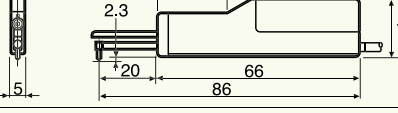
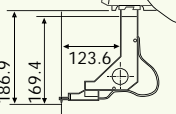
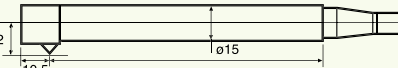
Measuring application	Model	External view	Specifications	Remarks
Steps 	010 2504		B5□ BRCFD0SKLUH□ 5 mN	<ul style="list-style-type: none"> All orientations
Waviness 	010 2505		□XE□ 4 mN	<ul style="list-style-type: none"> All orientations
(WUDEKROH□ SURJHV 	010 2510		□RROW/HHO□ 4 mN	<ul style="list-style-type: none"> All orientations 0DJEDWLRQ Excluding E-DT-S03A/ -SS01A/SE19A
Fine long hole waviness 	010 2520		□XE□ 5 mN	<ul style="list-style-type: none"> Downward measuring Sensitivity: 1/2 0DJEDWLRQ
Large steps 	010 2523		B5□SSKLUH□ 5 mN	<ul style="list-style-type: none"> Downward measuring Sensitivity: 1/2 0DJEDWLRQ

* The value of measuring force is when E-DT-S01A/E-DT-SE18A are mounted

Standard Inventory Parts

Pickups

Applicable models ■ FLEX-50 ■ S130 ■ S1400 ■ S1500 ■ S1900 ■ S1910 ■ S480 ■ S1800 ■ S2800 ■ S2900

Measuring application	Model	External view	Specifications	Remarks
Low measuring force	E-DT-SS01A		B5 BRQFDGGLDPRQ 0.75 mN	<ul style="list-style-type: none"> All orientations Horizontal tracing possible 3URYLGHGDWDQDUG6666 S-NEX001 (Specialized for Linear/NEX Series) With DM43801 stylus
General purpose	E-DT-SS08A		B5 BRQFDGGLDPRQ 4 mN	<ul style="list-style-type: none"> All orientations Horizontal tracing possible With 0102501 stylus
General purpose	E-DT-S01A E-DT-SE18A		B5 BRQFDGGLDPRQ 4 mN	<ul style="list-style-type: none"> All orientations Horizontal tracing possible With 0102501 stylus E-DT-SE18A: for S130A/S-FLEX50A
Soft materials	E-DT-S02A		B5 BRQFDGGLDPRQ 0.75 mN	<ul style="list-style-type: none"> All orientations Horizontal tracing possible With 0102508 stylus
Low measuring force	E-DT-S03A E-DT-SE19A		B5 BRQFDGGLDPRQ 0.75 mN	<ul style="list-style-type: none"> All orientations Horizontal tracing possible 6WDQDUGSHFLEDWLRQ With DM43801 stylus E-DT-SE19A: for S130A/S-FLEX50A
±LJKPDJQFDWLRQ	E-DT-S04A		B5 BRQFDGGLDPRQ 0.75 mN	<ul style="list-style-type: none"> All orientations Horizontal tracing possible With 0102506 stylus
Non-continuous measurement	E-DT-S05A		B5 BRQFDGGLDPRQ 4 mN	<ul style="list-style-type: none"> All orientations Horizontal tracing possible JURWWDUDYHOWRB 2WKHUSHFLEDWLRQUHDPHDMRU E-DT-S01A
Grooves in holes	E-DT-S06A			B5 BRQFDGGLDPRQ 4 mN
Ultra deep grooves	E-DT-S07A E-DT-S122A		B5 BRQFDGGLDPRQ 5 mN B5 BRQFDGGLDPRQ 4 mN	<ul style="list-style-type: none"> Stylus can not be replaced 0DBDJQFDWLRQ Sensitivity: 1/2 Large waveform distortion
Ultra long holes	E-DT-S08A E-DT-S137A		B5 BRQFDGGLDPRQB1 B5 BRQFDGGLDPRQB1	<ul style="list-style-type: none"> Stylus can not be replaced 0DBDJQFDWLRQ Sensitivity: 1/5
±LJKPDJQFDWLRQ	E-DT-SH01A			<ul style="list-style-type: none"> 0DBDJQFDWLRQ Measuring force: 0.2 mN With 016 2854 stylus
Stylus for E-DT-SH01A	0162854		B5BRQFDGGLDPRQ	Included with E-DT-SA01A as standard
	010 2567		B5BRQFDGGLDPRQ	
	010 2210		B5BRQFDGGLDPRQ	
	010 2211		B5BRQFDGGLDPRQ	
	010 2212		B5BRQFDGGLDPRQ	
	010 2213		B5ZLQWKB NQHHGJHGLDPRQ	
Thin pickup	DM42001 DM42011 DM42012		B5 90° conical diamond B1 horizontal tracing possible 0DBDJQFDWLRQUOHV	<ul style="list-style-type: none"> With 0102501 dedicated stylus 0URU6666 DM42011: for S480 DM42012: for models preceding S590A DM42020: for Linear Series/NEX Series
Pickup holder for thin pickup	E-DH-S60A			<ul style="list-style-type: none"> Used for horizontal tracing of FUDQKDIWLSLRXUQOM or other such parts.
Non-contact measurement	E-DT-SL12B		0HDXULQDQCHB 6SRWGLDPHWUHB Work distance: 4.5 mm	<ul style="list-style-type: none"> Color confocal point type Light source: Halogen light bulb Life: 1000h

Replaceable Styli for S5000DX/S3000/SNEX

Applicable models ■ S5000DX/SD ■ S3000A ■ SNEX100

Name	Model	External view	Specifications	Remarks
General purpose	DM48505		B5□ BRQFDOGLDPRQ□ 0.75 mN	<ul style="list-style-type: none"> Stroke: 13 mm (S5000) 12mm (S3000) 5mm (S-NEX 100) For roughness and contour measurement
General purpose highly rigid stylus	DM84071 (Old model: DM48507)		B5□ BRQFDOGLDPRQ□ 0.75 mN	<ul style="list-style-type: none"> Stroke: 13 mm (S5000) 12mm (S3000) 5mm (S-NEX 100) For roughness and contour measurement S5000DX/SD standard accessory
Highly rigid stylus for contours 2X arm	DM48508		-DXEEDOO□ 0.75 mN	<ul style="list-style-type: none"> Stroke: 26 mm (S5000) 24mm (S3000) 10mm (S-NEX 100) For contour measurement only
Highly rigid stylus for contours 2.5X arm	DM48509		-DXEEDOO□ 3.2 mN	<ul style="list-style-type: none"> Stroke: 32.5 mm (S5000) 30mm (S3000) 12.5mm (S-NEX 100) For contour measurement only
Offset measurement stylus	DM48511		B5□ BRQFDOGLDPRQ□ 0.75 mN	<ul style="list-style-type: none"> Stroke: 13 mm (S5000) 12mm (S3000) 5mm (S-NEX 100) For roughness and contour measurement
Offset measurement stylus 2X arm	DM48742		B5□ BRQFDOEDUELGH□ 4 mN or less	<ul style="list-style-type: none"> Stroke: 26 mm (S5000) 24mm (S3000) 10mm (S-NEX 100) For contour measurement only
Small hole stylus	DM48513*1		B5□ BRQFDOGLDPRQ□ 0.75 mN	<ul style="list-style-type: none"> Stroke: 13 mm (S5000) 12mm (S3000) 5mm (S-NEX 100) For roughness and contour measurement
Extra small hole stylus	DM48514		B5□ BRQFDOGLDPRQ□ 0.75 mN	<ul style="list-style-type: none"> Stroke: 13 mm (S5000) 12mm (S3000) 5mm (S-NEX 100) For roughness and contour measurement
Deep hole stylus	DM48515		B5□ BRQFDOGLDPRQ□ 0.75 mN	<ul style="list-style-type: none"> Stroke: 13 mm (S5000) 12mm (S3000) 5mm (S-NEX 100) For roughness and contour measurement
Stylus for EROR XUV	DM48588		B5□ BRQFDOGLDPRQ□ 0.75 mN	<ul style="list-style-type: none"> Stroke: 13 mm (S5000) 12mm (S3000) 5mm (S-NEX 100) For roughness and contour measurement
Stylus for ridge/tooth tip measurement	DM48774		B5□ 60° knife edge-shaped GLDPRQ□ 0.75 mN	<ul style="list-style-type: none"> Stroke: 13 mm (S5000) 12mm (S3000) 5mm (S-NEX 100) For roughness and contour measurement

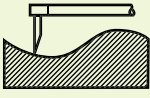
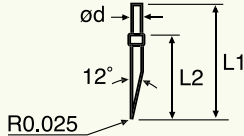
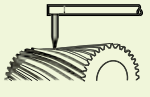
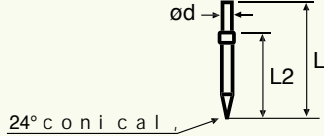

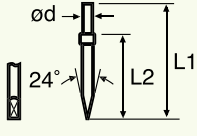
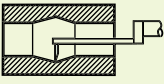
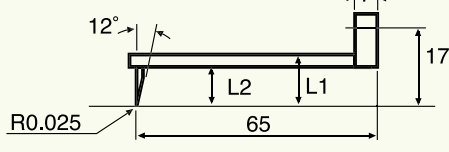
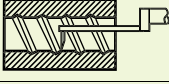
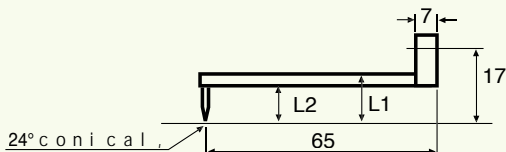
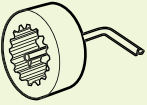
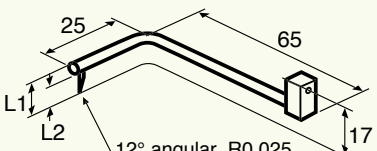
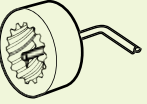
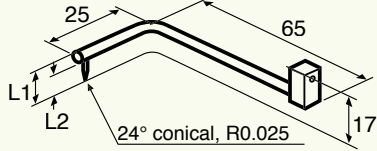
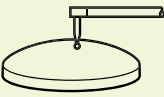
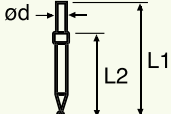
*1 Requires master ball calibration unit for small holes. *Special stylus will be studied and proposed in accordance with customer's workpieces.

Contour Styli

*See page 90 to 91 for the details of stylus/arm for C1710/S1910.






























Applicable models ■ C1600 ■ C1700 ■ S1800 ■ S1900

Stylus material: Cemented carbide

Measuring application	Model	External view	d	L1	L2	Applicable arm	Remarks
 <p>General purpose</p>	DM45501 ^{1,2}		3	60	52	010 2804	
	DM45502		3	34	26	010 2800	
	DM45503		2	21	13	010 2801	
 <p>General purpose</p>	DM45504 ^{1,2}		3	60	52	010 2804	<ul style="list-style-type: none"> Standard accessory
	DM45505*		3	34	26	010 2800	
	DM45506		2	21	13	010 2801	
 <p>Edge line</p>	DM45507 ^{1,2}		3	60	52	010 2804	
	DM45508*		3	34	26	010 2800	
	DM45509		2	21	13	010 2801	
 <p>Small holes</p>	DM45081		F	12	9	010 2802	
	DM45082		F	7	5		
	DM45083 ¹		F	3.5	1.5		
 <p>Small hole twist</p>	DM45084*		F	12	9	010 2802	
	DM45085		F	7	5		
	DM45086* ¹		F	3.5	1.5		
 <p>Ordinary offset</p>	DM45087		F	12	9	010 2802	<ul style="list-style-type: none"> Offset: 25 mm
	DM45088		F	7	5		
	DM45089 ¹		F	3.5	1.5		
 <p>Helix surface offset</p>	DM45090		F	12	9	010 2802	<ul style="list-style-type: none"> Offset: 25 mm
	DM45091		F	7	5		
	DM45092 ¹		F	3.5	1.5		
 <p>High precision</p>	DM45522 ^{1,2}		3	60	52	010 2804	<ul style="list-style-type: none"> • UXEEDOO
	DM45523		3	34	26	010 2800	
	DM45524		2	21	13	010 2801	
	DM45525 ^{1,2}		3	60	52	010 2804	
	DM45526		3	34	26	010 2800	
	DM45527		2	21	13	010 2801	

¹Indicates stylus/arm set 010 2999

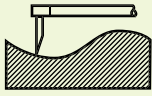
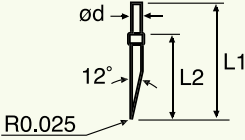
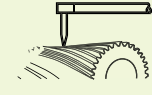
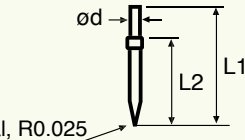

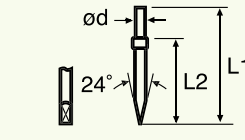
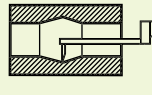
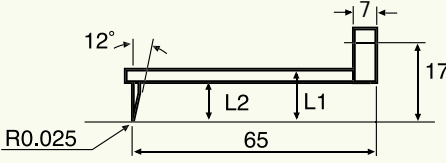
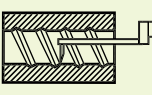
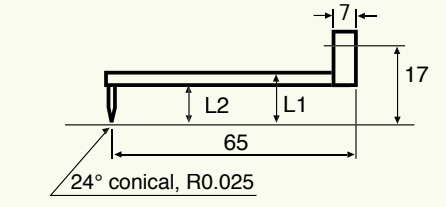
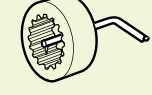
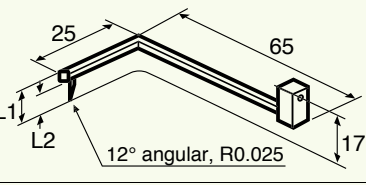
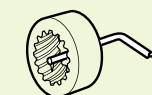
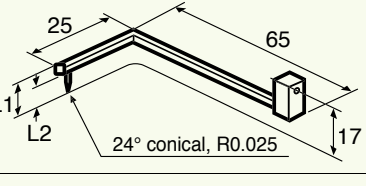
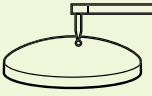
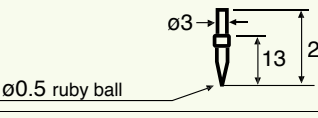
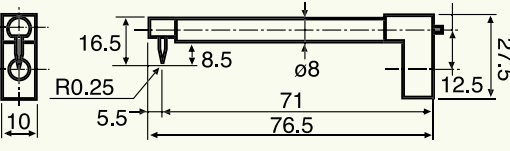
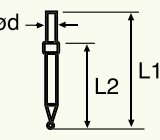
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Measuring application	Model	External view	Specifications	Remarks
General purpose 	DM43801 		P 5 f FRQLFDO GLDPRQG 0.75 mN	• All orientations • Horizontal tracing possible • Standard accessory
Knife edges 	DM43802 		P 5 60° knife edge-shaped GLDPRQG 0.75 mN	• All orientations
	DM43809 		P 5 f FRQLFDO GLDPRQG 0.75 mN	• All orientations • Horizontal tracing possible
	DM43811 		P 5 f FRQLFDO GLDPRQG 0.75 mN	• All orientations • Horizontal tracing possible
Fine holes/ thin grooves 	DM43812* 		P 5 f FRQLFDO GLDPRQG 0.75 mN	• All orientations • Horizontal tracing possible
Hole bottom/conical surfaces 	DM43813 		P 5 f FRQLFDO GLDPRQG 0.75 mN	• All orientations • Horizontal tracing possible
Corners/ tooth surfaces 	DM43814* 		P 5 f FRQLFDO GLDPRQG 0.75 mN	• All orientations • Horizontal tracing possible
Deep grooves/ round grooves 	DM43815* 		P 5 f FRQLFDO GLDPRQG 0.8 mN	• Downward measurement • Large waveform distortion
Fine long holes 	DM43821 		P 5 f FRQLFDO GLDPRQG 3 mN	• Downward measurement • Sensitivity: 1/2 • 0DJQL ÷ FDWLRQ [
Long holes 	DM43822* 		P 5 f FRQLFDO GLDPRQG 3 mN	• Downward measurement • Sensitivity: 1/2 • 0DJQL ÷ FDWLRQ [
Corners 	DM43824 		P 5 f FRQLFDO GLDPRQG 4 mN	• Downward measurement • Sensitivity: 1/2 • 0DJQL ÷ FDWLRQ [
Deep groove corners 	DM43827 		P 5 f FRQLFDO GLDPRQG 4 mN	• Downward measurement • Sensitivity: 1/2 • 0DJQL ÷ FDWLRQ [
O-ring groove bottom surfaces 	DM43825 		P 5 f FRQLFDO GLDPRQG 3.4 mN	• Downward measurement • Sensitivity: 1/2 • 0DJQL ÷ FDWLRQ [
Extra deep grooves 	DM43826 		P 5 f FRQLFDO GLDPRQG 4 mN	• Downward measurement • Sensitivity: 1/2 • 0DJQL ÷ FDWLRQ [
Stylus set	DM43800 		P 5	Nosepiece Stylus '0 '0 '0 '0
	DM43900 		P 5	Nosepiece DM44026 Stylus '0 '0 '0 '0 '0 '0

Contour Styli

Applicable models ■ C1710 ■ C2600 ■ C2700 ■ S1910 ■ S2800 ■ S2900

Stylus material: Cemented carbide

Measuring application	Model	External view	d	L1	L2	Applicable arm	Remarks
 General purpose	DM45501		3	60	52	DM45531	
	DM45502		3	34	26	DM45528	
	DM45503		2	21	13	DM45529	
 General purpose	DM45504		3	60	52	DM45531	• Standard accessory: DM45505
	DM45505*		3	34	26	DM45528	
	DM45506		2	21	13	DM45529	
 Edge line	DM45507		3	60	52	DM45531	
	DM45508*		3	34	26	DM45528	
	DM45509		2	21	13	DM45529	
 Small holes	DM45510		E	12	9	DM45530	• Measuring force: 10 mN or less • HFEWLRQ SSURBIRU □ 10 mN
	DM45511		E	8	5		
	DM45512*1		E	4.5	1.5		
 Small hole twist	DM45513*		E	12	9	DM45530	• Measuring force: 10 mN or less • HFEWLRQ SSURBIRU □ 10 mN
	DM45514		E	8	5		
	DM45515* 1		E	4.5	1.5		
 Ordinary offset	DM45516		E	12	9	DM45530	• Measuring force: 10 mN or less • HFEWLRQ SSURBIRU □ 10 mN
	DM45517		E	8	5		
	DM45518*1		E	4.5	1.5		
 Helix surface offset	DM45519		E	12	9	DM45530	• Measuring force: 10 mN or less • HFEWLRQ SSURBIRU □ 10 mN
	DM45520		E	8	5		
	DM45521*1		E	4.5	1.5		
 High precision	DM45580		3	21	13	DM45733	• IXEEDOO
	DM45583		E	16.5	8.5	E	• IXEEDOO □ • Integrated with arm
	DM45522		3	60	52	DM45531	
	DM45523		3	34	26	DM45528	• IXEEDOO
	DM45524		2	21	13	DM45529	
	DM45525		3	60	52	DM45531	
	DM45526		3	34	26	DM45528	• IXEEDOO
DM45527	2		21	13	DM45529		

*Indicates stylus/arm set DM45500

*1: Requires master ball calibration unit for small holes.

Contour Detectors and Arms

Applicable models ■ C1710 ■ C2600 ■ C2700 ■ S1910 ■ S2800 ■ S2900

Measuring application	Model	External view	Applicable arm stylus	Remarks
Contour detector	E-DT-CH07A			<ul style="list-style-type: none"> •
	E-DT-CH08A			<ul style="list-style-type: none"> •
	E-DT-CH10B			<ul style="list-style-type: none"> •
General purpose	DM45528		DM45502 DM45505 DM45508 DM45523 DM45526	<ul style="list-style-type: none"> • • • •
Inner surface	DM45529		DM45503 DM45506 DM45509 DM45524 DM45527	<ul style="list-style-type: none"> • • •
Small holes	DM45530*		DM45510 to DM45521	<ul style="list-style-type: none"> • Stylus combination arm for measuring small holes
Deep grooves	DM45531		DM45501 DM45504 DM45507 DM45522 DM45525	<ul style="list-style-type: none"> • Measuring force: 10 mN or less (Provided with auxiliary weight) • • •
Offset measurement	DM45532*		DM45502 DM45505 DM45508 DM45523 DM45526	<ul style="list-style-type: none"> • Measuring force: 10 mN or less (Provided with auxiliary weight) • • •
	DM45533		DM45503 DM45506 DM45509 DM45524 DM45527	<ul style="list-style-type: none"> • Measuring force: 10 mN or less (Provided with auxiliary weight) • • •
Arm/stylus set	DM45500			<ul style="list-style-type: none"> • • • •

*Indicates stylus/arm set DM45500

Standard Inventory Parts

Peripherals

Name	Model	External view	Specifications	Remarks
Pickup movement tracing driver (For standard series)	E-RM-S72B/S138B		Drive distance: 100 mm ULYLCHHGPPWRBP speeds 6WUDLJKWGFXXUDF Weight: Approx. 9 kg	<ul style="list-style-type: none"> E-RM-S72B: HEOXGL E-RM-S138B: IRU S480: E-RM-S71B 6SHFLEDWLRPH as shown to left
	E-RM-S178A/S182A		Drive distance: 200 mm ULYLCHHGPPWRBP 6WUDLJKWGFXXUDF Weight: Approx. 15 kg	<ul style="list-style-type: none"> E-RM-S178B: HEOXGL E-RM-S182B: IRU S480: E-RM-S73B 6SHFLEDWLRPH as shown to left
	E-RM-S141A		Drive distance: 100 mm ULYLCHHGPPWRBP 6WUDLJKWGFXXUDF Weight: Approx. 9 kg	<ul style="list-style-type: none"> S480: E-RM-S78A 6SHFLEDWLRPH as shown to left
Pickup movement tracing driver (For linear series)	E-RM-S205A		Drive distance: 100 mm Driving speed: 0.03 mm/s to 6.0 mm/s 6WUDLJKWGFXXUDF Weight: Approx. 9 kg	
	E-RM-S183E		Drive distance: 200 mm Driving speed: 0.03 mm/s to 6.0 mm/s 6WUDLJKWGFXXUDF Weight: Approx. 15 kg	
Workpiece movement tracing driver	E-RM-S75A		Drive distance: 50 mm ULYLCHHGPPWRBP 6WUDLJKWGFXXUDF Weight: Approx. 15 kg Load weight: 5 kg Leveling range: ±1.5°	<ul style="list-style-type: none"> Cannot be used for Linear Series. Requires pickup holder stand.
	E-RM-S76A		Drive distance: 150 mm ULYLCHHGPPWRBP 6WUDLJKWGFXXUDF Weight: Approx. 20 kg Load weight: 5 kg Leveling range: ±1°	<ul style="list-style-type: none"> Cannot be used for Linear Series. Requires pickup holder stand.
	E-RM-S77B		Drive distance: 300 mm ULYLCHHGPPWRBP 6WUDLJKWGFXXUDF Weight: Approx. 32 kg Load weight: 10 kg Leveling range: ±0.8°	<ul style="list-style-type: none"> Cannot be used for Linear Series. Requires pickup holder stand.
Outer periphery roughness tracing driver	E-RM-S85B		0HD Length: 30 mm to 150 mm 2 Length: 30 mm to 250 mm 3HULSKHUDOYHOREFLWBP Weight: Approx. 7 kg Load weight: 5 kg	
Round surface roughness tracing driver	E-RM-S84A		Measuring radius: 0.25 mm to 40 mm 5RWDWLRQFFXUDF Peripheral velocity: 0.3 mm/s (stepless) Weight: Approx. 15 kg	
Column cross feed device	E-ST-S131A		Range of movement : X : 660 mm Y : 200 mm Weight: Approx. 370 kg	For measurement of large and heavy parts (Manufactured upon receipt of order)
Auto tilting table	E-AT-S72A		Leveling range: ±2° Load weight: 5 kg	

Name	Model	External view	Specifications	Remarks
Wide-Range (Hybrid) Detector Holder	E-DH-S182A		0DJ0EDWLR8UOHV 6WUDLJKW8BP	<ul style="list-style-type: none"> Maximum extrusion: 90mm from left end of driver Column height: 10mm less than normal height For S2000DX/SD
Pickup holder stand	E-CA-S25A		Weight: Approx. 1.5 kg	<ul style="list-style-type: none"> When workpiece movement tracing driver is used
Connecting rod for ultra-long hole measurement	010 2736		0EDWLR0 Skid measurement x5000 0LCAUGLD8SWR:BP Max. depth: 650 mm Weight: Approx. 1.2 kg 5RGGLDPHWHU:BP	<ul style="list-style-type: none"> Used with large measuring stand RU66666
	DM57537		0DJ0EDWLR8SWR 0LCAUGLD8SWR:BP Max. depth: 630 mm Weight: Approx. 1.2 kg 5RGGLDPHWHU:BP	<ul style="list-style-type: none"> RU66666 66666
Pickup holder coupling	010 2744		Coupling length: 30 mm Weight: Approx. 0.25 kg	<ul style="list-style-type: none"> Used with 010 2804 and BRWRXUSURDHUPV Applicable to all models
	010 2745		Measuring depth: Up to 131 mm beneath tracing driver Weight: Approx. 0.47 kg	<ul style="list-style-type: none"> Applicable to all models
Pickup right angle coupling/ connecting rod	010 2746		Measuring depth: 142 mm beneath detector holder Weight: Approx. 0.2 kg 5RGGLDPHWHU:BP	<ul style="list-style-type: none"> Pickup vertical measurement using hole bottom stylus
Ordinary stand for desktop anti-vibration table	(96) S13A		Dimensions: 510 mm × 430 mm × 643 mm Weight: 22 kg	<ul style="list-style-type: none"> RU966666
Desktop anti-vibration table	(96) S57B		Anti-vibration: Pneumatic diaphragm spring Natural frequency: 2.5 Hz to 3.5 Hz Load weight: 130 kg Dimensions: 600 mm × 530 mm × 60 mm Air source: 350 kPa to 700 kPa Weight: 25 kg	<ul style="list-style-type: none"> With regulator LUWXEHBWUQGLDPHWU:BP attached.
	(96) S58B		Anti-vibration: Pneumatic diaphragm spring Natural frequency: 2.5 Hz to 3.5 Hz Load weight: 130 kg Dimensions: 600 mm × 530 mm × 60 mm Weight: 25 kg	<ul style="list-style-type: none"> Air source: Pump
Desktop large anti-vibration table	(96) S45A		Anti-vibration: Pneumatic diaphragm spring Natural frequency: 4 Hz Load weight: 300 kg Dimensions: 1000 mm × 750 mm × 143 mm Weight: 80 kg	<ul style="list-style-type: none"> Air source: Pump
Anti-vibration table	(96) R16B		Anti-vibration: Pneumatic diaphragm spring 1DWXUDUWHTXH:BP Load weight: 250 kg Dimensions: 980 mm × 780 mm × 700 mm Air source: 350 kPa to 700 kPa Weight: 170 kg	<ul style="list-style-type: none"> With regulator
	(96) S21B		Anti-vibration: Pneumatic diaphragm spring 1DWXUDUWHTXH:BP Load weight: 550 kg Dimensions: 1100 mm × 850 mm × 700 mm Air source: 350 kPa to 700 kPa Weight: 340 kg	<ul style="list-style-type: none"> With regulator

Name	Model	External view	Specifications	Remarks
7DSHWHRQLJ	DM58526			<ul style="list-style-type: none"> For pickup movement tracing driver
Reference specimen	E-MC-S24C		Calibration surface: SSURB6D Stylus check surface: SSURB5D Measured value described.	<ul style="list-style-type: none"> For sensitivity calibration and for checking stylus Applicable to JCSS calibration and NIST calibration
Level difference reference specimen	E-MC-S57A		/DUJHDDHSSURB 6PDOODHSSURB Measured value described.	<ul style="list-style-type: none"> Standard accessory for linear series roughness system For detector sensitivity calibration and stylus check Applicable to JCSS calibration
ODJEDWLRQ calibrator	E-MC-S50C		Narrow range accuracy: WRBB Wide range accuracy: WRBB	<ul style="list-style-type: none"> RUJDJEDWLRQDOLEUDWLRQ
Master ball calibration unit	E-MC-S34A			<ul style="list-style-type: none"> For measurements with stylus pointing downwards Standard accessory for 6161
	E-MC-S65B			<ul style="list-style-type: none"> For measurements with stylus pointing downwards Standard accessory for 6161
	E-MC-S48A		Master ball calibration unit	<ul style="list-style-type: none"> For measurements with stylus pointing downwards Standard accessory for 6161
	E-MC-S51A			<ul style="list-style-type: none"> For measurements with stylus pointing upwards RU6161
Small hole stylus master ball calibration unit	E-MC-S59D		Block gage: 1.5 mm 5HIHUGHGHKUHHP	<ul style="list-style-type: none"> For measurements with stylus pointing downwards and stylus for small bore measurement RU6161 RU6161 6161
Pitch gage	E-MG-S02A		Pin diameter: 7.9 mm Pitch: 15 mm Dimensions: 144 mm x 38 mm x 49 mm	
Stylus check master	E-MG-S24A		7LSUDGLXRUOHV Material: Knife edge diamond	
Power transformer box	E-TF-R25A		SXWVR 2XWSXW SDFLW Dimensions: 300 mm x 350 mm x 296 mm Weight: 45 kg	<ul style="list-style-type: none"> Specify the input voltage

Accessories for SURFCOM 130A, FLEX-50A

Name	Model	External view	Specifications	Remarks
Compact measuring stand	E-ST-S130A		Table size: 410 mm × 200 mm Max. measuring height: 200 mm Weight: Approx. 18 kg Load weight: 20 kg	<ul style="list-style-type: none"> Tracing driver height and tilt can be adjusted
Pickup	E-DT-SE18A		<ul style="list-style-type: none"> Force: 4mN 	<ul style="list-style-type: none"> All orientations Horizontal tracing possible With 0102501 stylus
	E-DT-SE19A		<ul style="list-style-type: none"> Force: 0.7mN 	<ul style="list-style-type: none"> Standard accessory
Touch pen	E-MA-S54A			<ul style="list-style-type: none"> Standard accessory
Battery set	E-MA-S65A		<ul style="list-style-type: none"> Battery charger for 130A Size: 80 mm × 85 mm × 45 mm Weight: Approx. 400 g Charging time: 4 hours 	<ul style="list-style-type: none"> Measurements and recording are available on-site where there is no power source
			<ul style="list-style-type: none"> Battery for 130A Size: 203 mm × 58 mm × 67 mm Weight: Approx. 1.2 g 	
Roll foot	E-MA-S62A			<ul style="list-style-type: none"> Attachment for placing the tracing driver
	E-MA-S63A			<ul style="list-style-type: none"> Photo shows unit of E-MA-63A
Dust proof cover	E-MA-S64A			<ul style="list-style-type: none"> Standard accessory
All position pickup holder	E-DH-S107A			<ul style="list-style-type: none"> For measuring surface roughness of curved surfaces Limited to the skid measurement
Horizontal tracing pickup holder	E-DH-S17A			<ul style="list-style-type: none"> For measuring surface roughness of curved surfaces such as crankshafts which have obstacles in the front and back in the measuring direction (using double-side straddling skid) Limited to the skid measurement
Attachment for tracing driver	E-CA-S62A			<ul style="list-style-type: none"> 50 mm tracing driver attached to manual column (E-CL-S133A)
RS-232C cable	E-SC-S288A		Support 9pin Windows PC	<ul style="list-style-type: none"> Cable connected Specialized for S130A
Reference specimen	E-MC-S24C		<ul style="list-style-type: none"> Calibration surface: SSUR-B5D Stylus check surface: SSUR-B5D Measured value described 	<ul style="list-style-type: none"> For sensitivity calibration and stylus check Standard accessory


Accessories for HANDYSURF E-35B, 40A, 45A and SURFCOM FLEX-35B, 40A, 45A

Name	Model	External view	Specifications	Remarks
Pickup	E-DT-SM10A E-DT-SM49A E-DT-SM39A		<ul style="list-style-type: none"> BERCFDOGLDPRQB1)RU BERCFDOGLDPRQB1)RU BERCFDOGLDPRQB1)RU 	<ul style="list-style-type: none"> • For general measurement • Standard accessory
	E-DT-SM11A E-DT-SM50A		<ul style="list-style-type: none"> BERCFDOGLDPRQB1)RU BERCFDOGLDPRQB1)RU 	<ul style="list-style-type: none"> •)RU • Min. inner diameter: 2.0
	E-DT-SM12A E-DT-SM51A		<ul style="list-style-type: none"> BERCFDOGLDPRQB1)RU BERCFDOGLDPRQB1)RU 	<ul style="list-style-type: none"> •)RUWU • Min. inner diameter: 2.0
	E-DT-SM13A E-DT-SM52A		<ul style="list-style-type: none"> BERCFDOGLDPRQB1)RU BERCFDOGLDPRQB1)RU 	<ul style="list-style-type: none"> • For deep groove • Max. depth: 7 mm
Specialized driver for the bore roughness measurement	E-RM-S224C		Measuring range 130 mm OD BHD X UL OGLDPHWU = BP OL QHD X UL OGLDPHWU = BP	<ul style="list-style-type: none"> • For HANDYSURF E-35B and SURFCOM FLEX-35B • With attachment mechanism
GMXWPHWGHYLEH (Rear)	E-WJ-S64A			<ul style="list-style-type: none"> • Standard accessory •)RU
	E-WJ-S559A			<ul style="list-style-type: none"> • Standard accessory for 45A
GMXWPHWGHYLEH (Front)	E-WJ-S80A			<ul style="list-style-type: none"> •)RU
	E-WJ-S560A			<ul style="list-style-type: none"> • For 45A
Nose piece (Cylinder)	E-WJ-S85A			<ul style="list-style-type: none"> • For 35B
	E-WJ-S562A			<ul style="list-style-type: none"> •)RU
Nose piece (Flat)	E-WJ-S88A			<ul style="list-style-type: none"> • For 35B
	E-WJ-S561A			<ul style="list-style-type: none"> •)RU
Nose piece (DISH)	E-WJ-S536A			<ul style="list-style-type: none"> • Standard accessory for 45A
Nose piece (contact type)	E-WJ-S563A			<ul style="list-style-type: none"> • For 45A
Extension adapter for long hole	DM57506			<ul style="list-style-type: none"> •)RU
Adapter for horizontal measurement	DM57507			<ul style="list-style-type: none"> •)RU
Adapter for bore measurement	E-WJ-S86A			<ul style="list-style-type: none"> •)RU

Accessories for HANDYSURF E-35B, 40A, 45A and SURFCOM FLEX-35B, 40A, 45A

Name	Model	External view	Specifications	Remarks
Holder for tracing driver	E-MD-S200A		0RXWHGRGHRH(DPSOLHU	•)RU)(%
Magnetic stand	E-ST-MAC			
Post mount holder	010 2050			
Post mount	E-CS-S26A			•)RU(□
Adapter for height gage	E-WJ-S93A		Cross-section surface on scribe of height gage: 9 mm × 9 mm	• 8HGZLWKSRRWPRX□ E-SC-S26A
RS-232C cable	E-SC-S366A		Support 9 pin Windows PC	• With sample program for communication
	USB-RS adapter			• Used with E-SC-S366A in case PC has no RS port

Consumables

Name	Model	External view	Specifications	Remarks	Remarks	
CF card + adaptor	E-MU-S50C				• 128MB Provides registrations of approx. 500 measurement conditions and storage of approx. 500 measurement data (200 text management items)	
Recording paper	E-CH-S21A				• 10 rolls/box • WHUQOGLDPHWHU(PP□ HWHUQOZLGWKBPUR000H□WKB	
		E-RC-S24A	+LJKSHHGSULWHUIRU(□			
	E-CH-S25A	E-RC-S23A E-RC-S25A E-RC-S29A	SPSDFWSULWHUIRU(□ EXLOWLSULWHUIRU(□ FRPSDFWSULWHUIRU(□ E45A		• 10 rolls/box • WHUQOGLDPHWHU(PP□ HWHUQOZLGWKBPUR000H□WKB	
		E-RC-S01A/B				
	E-CH-50A	E-RA-S01A	200B		• 10 rolls/box • WHUQOGLDPHWHU(PP□ HWHUQOZLGWKBPUR000H□WKB • *ULGZLGWKBP	
		E-RA-S03A	200C			
	E-CH-S05B		□			• 10 rolls/box • WHUQOGLDPHWHU(PP□ HWHUQOZLGWKBPUR000H□WKB
		E-RC-S09A				
	E-CH-S02A		□ □			• 20 rolls/box • WHUQOGLDPHWHU(PP□ HWHUQOZLGWKBPUR000H□WKB
	JIS No.121	E-RC-XY16	600B/C/D		• HHHWHDHW□ • OHDHW	
E-CH-S26A	E-RC-S30A	SPSDFWSULWHUIRU(□ E45A		• 10 rolls/box • WHUQOGLDPHWHU(PP□ HWHUQOZLGWKBPUR000H□WKB		
Ink ribbon	E-IR-S01A					