
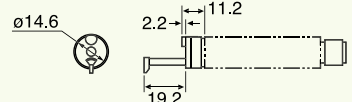
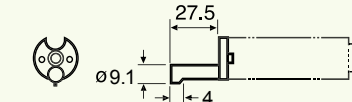
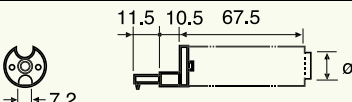
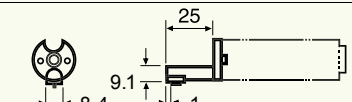
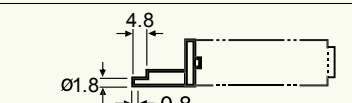
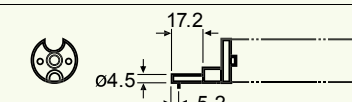
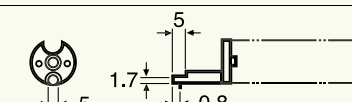
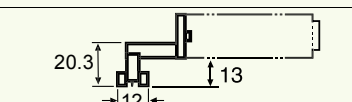
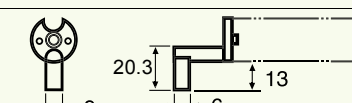
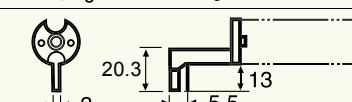
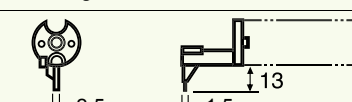
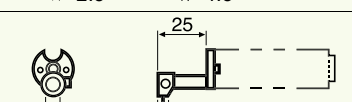
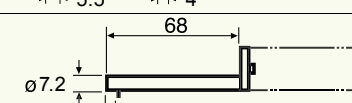
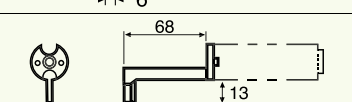
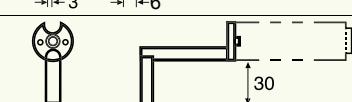
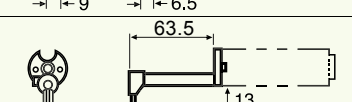


Nose Piece

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 Φ 2 to 4, Φ 4 to 8, Φ 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)


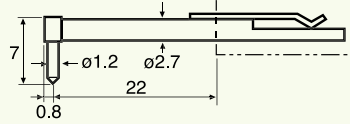

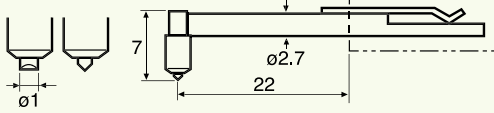

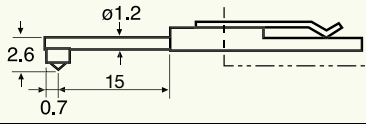

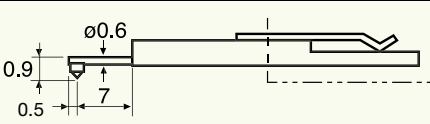

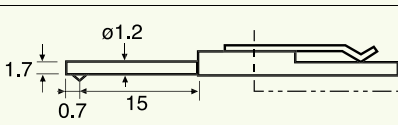

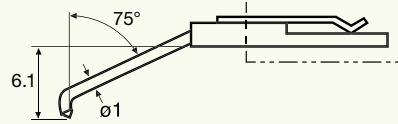

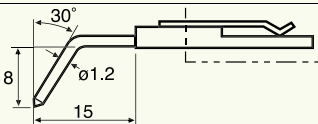

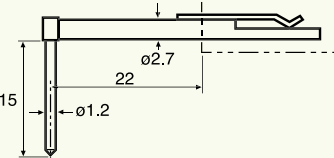

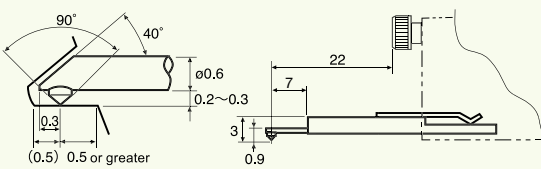

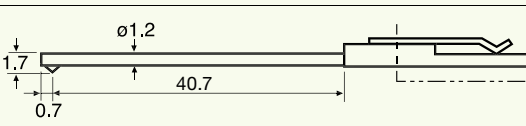

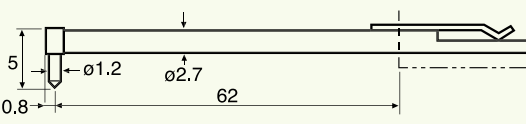

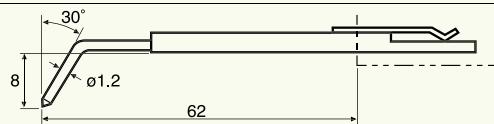

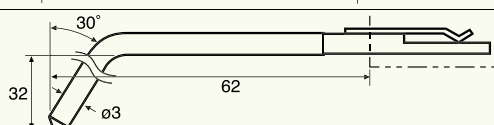
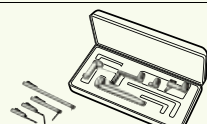
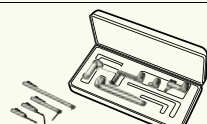
Applicable models ■ FLEX-50 ■ S130 ■ S1400 ■ S1500 ■ S1900 ■ S1910 ■ S480 ■ S1800 ■ S2800 ■ S2900 ■ S-NEX001

| Measuring application | Model | External view | Specifications | Remarks |
|--|----------|--------------------------------|--|--|
| General purpose | DM43801 | | 2 µmR, 60° conical diamond, 0.75 mN | <ul style="list-style-type: none"> All orientations Horizontal tracing possible Standard accessory |
| Fine wires, knife edges | DM43802 | | 2 µmR, 60° knife edge-shaped diamond, 0.75 mN | <ul style="list-style-type: none"> All orientations |
| Medium fine holes | DM43809 | | 2 µmR, 60° conical diamond, 0.75 mN | <ul style="list-style-type: none"> All orientations Horizontal tracing possible |
| Extra fine holes, gear flank | DM43811 | | 2 µmR, 60° conical diamond, 0.75 mN | <ul style="list-style-type: none"> All orientations Horizontal tracing possible |
| Fine holes/ thin grooves | DM43812* | | 2 µmR, 60° conical diamond, 0.75 mN | <ul style="list-style-type: none"> All orientations Horizontal tracing possible |
| Hole bottom/conical surfaces | DM43813 | | 2 µmR, 60° conical diamond, 0.75 mN | <ul style="list-style-type: none"> All orientations Horizontal tracing possible |
| Corners/ tooth surfaces | DM43814* | | 2 µmR, 60° conical diamond, 0.75 mN | <ul style="list-style-type: none"> All orientations Horizontal tracing possible |
| Deep grooves/ round grooves | DM43815* | | 2 µmR, 60° conical diamond, 0.8 mN | <ul style="list-style-type: none"> Downward measurement Large waveform distortion |
| Fine long holes | DM43821 | | 2 µmR, 60° conical diamond, 3 mN | <ul style="list-style-type: none"> Downward measurement Sensitivity: 1/2 Magnification: x5000 Large waveform distortion |
| Low magnification, long holes | DM43822* | | 2 µmR, 60° conical diamond, 3 mN | <ul style="list-style-type: none"> Downward measurement Sensitivity: 1/2 Magnification: x20000 |
| Low magnification, corners | DM43824 | | 2 µmR, 60° conical diamond, 4 mN | <ul style="list-style-type: none"> Downward measurement Sensitivity: 1/2 Magnification: x20000 |
| Deep groove corners | DM43827 | | 2 µmR, 60° conical diamond, 4 mN | <ul style="list-style-type: none"> Downward measurement Sensitivity: 1/2 Magnification: x10000 |
| Deep hole grooves, O-ring groove bottom surfaces | DM43825 | | 2 µmR, 60° conical diamond, 3.4 mN | <ul style="list-style-type: none"> Downward measurement Sensitivity: 1/2 Magnification: x20000 Large waveform distortion |
| Extra deep grooves | DM43826 | | 2 µmR, 60° conical diamond, 4 mN | <ul style="list-style-type: none"> Downward measurement Sensitivity: 1/2 Magnification: x5000 Large waveform distortion |
| Stylus set | DM43800 | | 2 µmR | Nosepiece 010 2702, 010 2703, 010 2709, 010 2710, 010 2722 Stylus DM43812, DM43814, DM43815, DM43822 |
| | DM43900 | E-DT-SS01A pickup use only | 2 µmR | Nosepiece DM44026 Stylus DM43801, DM43811, DM43812, DM43814, DM43815, DM43822 |

* 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


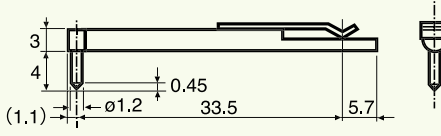

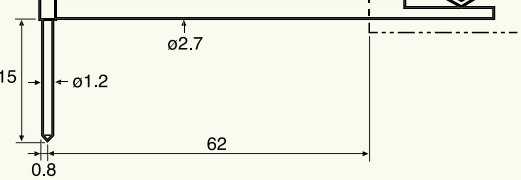

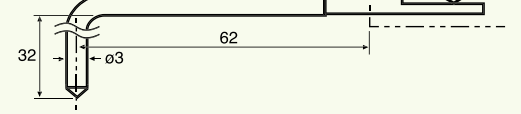

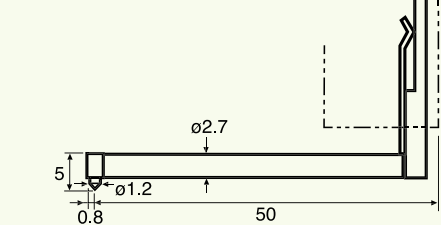

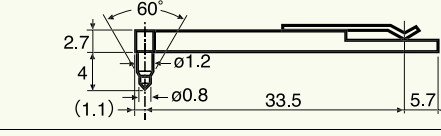

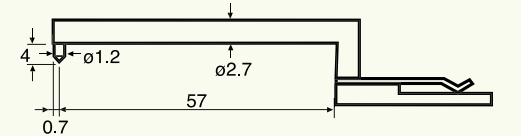
| Measuring application | Model | External view | Specifications | Remarks |
|---|-----------|---|---|--|
|  General purpose | 010 2501 |  | 5 μmR, 90°conical diamond, 4 mN | <ul style="list-style-type: none"> All orientations Horizontal tracing possible |
|  Fine wires, knife edges | 010 2502 |  | 5 μmR, 90°knife edge-shaped diamond, 5 mN | <ul style="list-style-type: none"> All orientations |
|  Medium fine holes | 010 2509 |  | 5 μmR, 90°conical diamond, 4 mN | <ul style="list-style-type: none"> All orientations Horizontal tracing possible |
|  Extra fine holes, gear flank | 010 2511 |  | 5 μmR, 90°conical diamond, 4 mN | <ul style="list-style-type: none"> All orientations Horizontal tracing possible |
|  Fine holes/ thin grooves | 010 2512* |  | 5 μmR, 90°conical diamond, 4 mN | <ul style="list-style-type: none"> All orientations Horizontal tracing possible |
|  Hole bottom/ conical surfaces | 010 2513 |  | 5 μmR, 90°conical diamond, 4 mN | <ul style="list-style-type: none"> All orientations Horizontal tracing possible |
|  Corners/ tooth surfaces | 010 2514* |  | 5 μmR, 60°conical diamond, 4 mN | <ul style="list-style-type: none"> All orientations Horizontal tracing possible |
|  Deep grooves/ round grooves | 010 2515* |  | 5 μmR, 90°conical diamond, 5 mN | <ul style="list-style-type: none"> Downward measurement Large waveform distortion |
|  Gear tooth profiles, thread flank | 010 2518 |  | 5 μmR, 90°conical diamond, 4 mN | <ul style="list-style-type: none"> Magnification: x10000 |
|  Fine long holes | 010 2521 |  | 5 μmR, 90°conical diamond, 5 mN | <ul style="list-style-type: none"> Downward measurement Sensitivity: 1/2 Magnification: x5000 Large waveform distortion |
|  Low magnification, long holes | 010 2522* |  | 5 μmR, 90°conical diamond, 5 mN | <ul style="list-style-type: none"> Downward measurement Sensitivity: 1/2 Magnification: x20000 |
|  Low magnification, corners | 010 2524 |  | 5 μmR, 60°conical diamond, 5 mN | <ul style="list-style-type: none"> Downward measurement Sensitivity: 1/2 Magnification: x20000 |
|  Deep groove corners | 010 2527 |  | 5 μmR, 60°conical diamond, 8 mN | <ul style="list-style-type: none"> Downward measurement Sensitivity: 1/2 Magnification: x10000 Large waveform distortion |
|  Stylus set | 010 2640 |  | 5 μmR | Nosepiece 010 2702, 010 2703, 010 2709, 010 2710, 010 2722 Stylus 010 2512, 010 2514, 010 2515, 010 2522 |

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

Standard Inventory Parts

Replaceable Roughness Profile Measuring Styli

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


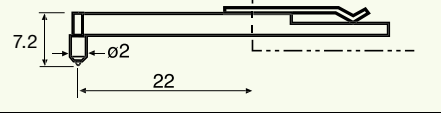

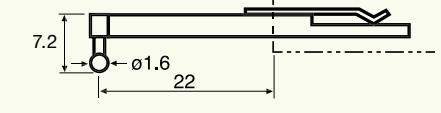

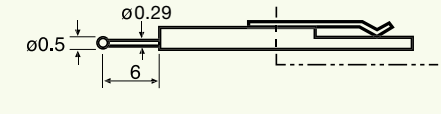

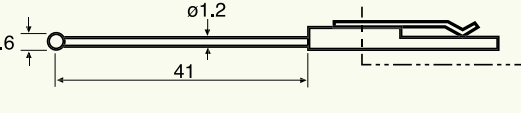

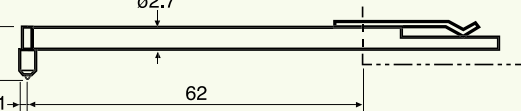
| Measuring application | Model | External view | Specifications | Remarks |
|--|----------|---|--|---|
| Soft materials  | 010 2508 |  | 10 µmR, 90° conical diamond, 0.75 mN | <ul style="list-style-type: none"> All orientations Horizontal tracing possible Specifications are for when E-DT-S02A is mounted |
| Deep hole grooves, bottom surface of Oring groove  | 010 2525 |  | 10 µmR, 90° conical diamond, 8 mN | <ul style="list-style-type: none"> Downward measurements Sensitivity: 1/2 Magnification: x20000 Large waveform distortion |
| Extra deep grooves  | 010 2526 |  | 10 µmR, 90° conical diamond, 8 mN | <ul style="list-style-type: none"> Downward measurements Sensitivity: 1/2 Magnification: x5000 Large waveform distortion |
| Bottom surface of holes  | 010 2541 |  | 5 µmR, 90° conical diamond, 8 mN | <ul style="list-style-type: none"> Magnification: x5000 Large waveform distortion Dedicated connecting rod used |
| High magnification measurement  | 010 2506 |  | 1 µmR, 60° conical diamond, 0.75 mN | <ul style="list-style-type: none"> All orientations Horizontal tracing possible Specifications are for when E-DT-S04A is mounted. |
| High magnification contour profiles  | 010 2528 |  | 1 µmR, 60° conical diamond, 8 mN | <ul style="list-style-type: none"> Downward measurements Sensitivity: 1/2 Magnification: x10000 For E-DT-S01A, -S03A |

* 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

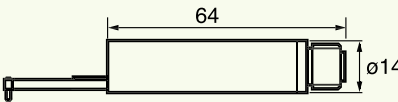
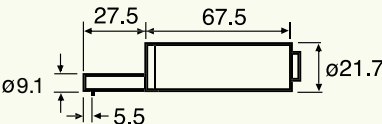
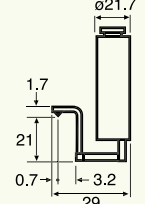
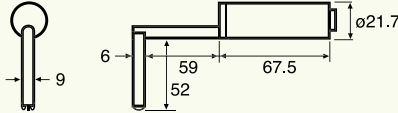
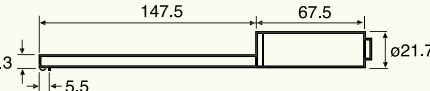
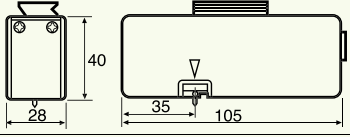
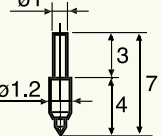
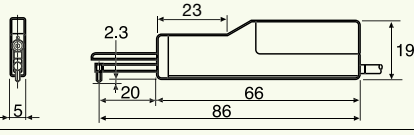
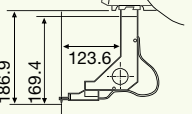
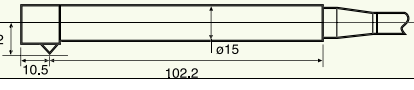
| Measuring application | Model | External view | Specifications | Remarks |
|--|----------|---|---|---|
| Steps  | 010 2504 |  | 250 µmR, 60° conical sapphire, 5 mN | <ul style="list-style-type: none"> All orientations |
| Waviness  | 010 2505 |  | Φ 1.6, ruby, 4 mN | <ul style="list-style-type: none"> All orientations |
| Extra fine hole profiles  | 010 2510 |  | Φ 0.5, tool steel, 4 mN | <ul style="list-style-type: none"> All orientations Magnification: x5000 Excluding E-DT-S03A/ -SS01A/SE19A |
| Fine long hole waviness  | 010 2520 |  | Φ 1.6, ruby, 5 mN | <ul style="list-style-type: none"> Downward measuring Sensitivity: 1/2 Magnification: x10000 |
| Large steps  | 010 2523 |  | 250 µmR, sapphire, 5 mN | <ul style="list-style-type: none"> Downward measuring Sensitivity: 1/2 Magnification: x25000 |

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

Standard Inventory Parts

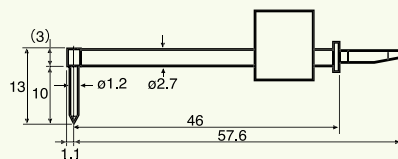
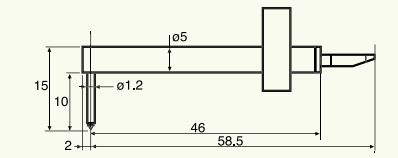
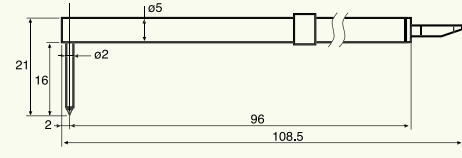
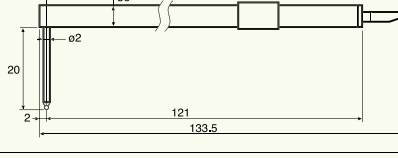
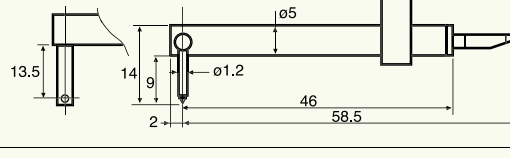
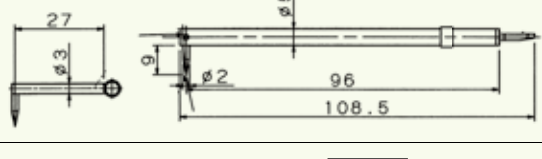
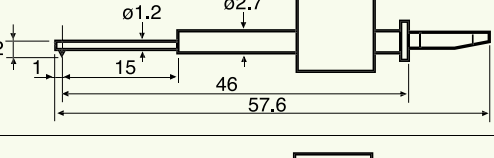
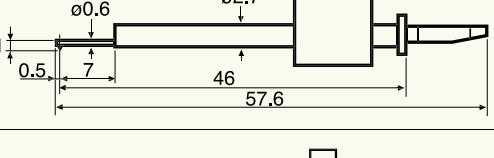
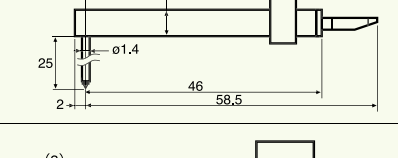
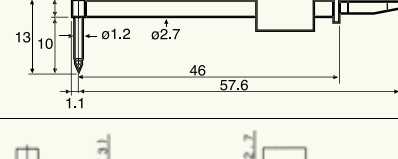
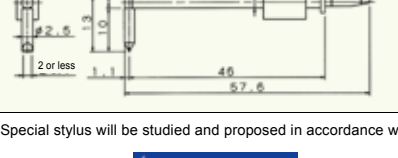
Pickups

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 |  | 2 μmR, 60° conical diamond, 0.75 mN | <ul style="list-style-type: none"> All orientations Horizontal tracing possible Provided as standard S1500, S1900, S1910, S2900, S-NEX001 (Specialized for Linear/NEX Series) With DM43801 stylus |
| General purpose | E-DT-SS08A | For S1500, S1900, and S2900 DX/SD types | 5 μmR, 90° conical diamond, 4 mN | <ul style="list-style-type: none"> All orientations Horizontal tracing possible With 0102501 stylus |
| General purpose | E-DT-S01A E-DT-SE18A |  | 5 μmR, 90° conical diamond, 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 | | 10 μmR, 90° conical diamond, 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 | | 2 μmR, 60° conical diamond, 0.75 mN | <ul style="list-style-type: none"> All orientations Horizontal tracing possible Standard specifications With DM43801 stylus E-DT-SE19A: for S130A/S-FLEX50A |
| High magnification | E-DT-S04A | | 1 μmR, 60° conical diamond, 0.75 mN | <ul style="list-style-type: none"> All orientations Horizontal tracing possible With 0102506 stylus |
| Non-continuous measurement | E-DT-S05A | | 5 μmR, 90° conical diamond, 4 mN | <ul style="list-style-type: none"> All orientations Horizontal tracing possible Front travel: 110 to 120 μm Other specifications are same as for E-DT-S01A |
| Grooves in holes | E-DT-S06A |  | 5 μmR, 90° conical diamond, 4 mN | <ul style="list-style-type: none"> Skidless measurement only Max. magnification: x10000 Dedicated connecting rod required (010 2746) With 0102542 dedicated stylus |
| Ultra deep grooves | E-DT-S07A |  | 5 μmR, 90° conical diamond, 5 mN | <ul style="list-style-type: none"> Stylus can not be replaced Max. magnification: x10000 Sensitivity: 1/2 Large waveform distortion |
| | E-DT-S122A | | 2 μmR, 60° conical diamond, 4 mN | |
| Ultra long holes | E-DT-S08A |  | 5 μmR, 90° conical diamond, 4 mN | <ul style="list-style-type: none"> Stylus can not be replaced Max. magnification: x5000 Sensitivity: 1/5 |
| | E-DT-S137A | | 2 μmR, 60° conical diamond, 4 mN | |
| High magnification | E-DT-SH01A |  | | <ul style="list-style-type: none"> Max. magnification: x500000 Measuring force: 0.2 mN With 016 2854 stylus |
| Stylus for E-DT-SH01A | 0162854 |  | 1 μmR, 90° conical diamond | <ul style="list-style-type: none"> Included with E-DT-SH01A as standard |
| | 010 2567 | | 1 μmR, 60° conical diamond | |
| | 010 2210 | | 10 μmR, 60° conical diamond | |
| | 010 2211 | | 5 μmR, 60° conical diamond | |
| | 010 2212 | | 0.5 μmR, 60° conical diamond | |
| | 010 2213 | | 0.5 μmR, 90° 2.5 μm width knife edge, diamond | |
| Thin pickup | DM42001 DM42011 DM42012 |  | 5 μmR, 90° conical diamond 10 mN, horizontal tracing possible Max. magnification: x5000 or less | <ul style="list-style-type: none"> With 0102501 dedicated stylus DM42001: for S1400, S1800, S2800 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 crankshaft pins, journals, or other such parts. |
| Non-contact measurement | E-DT-SL12B |  | Measuring range: 300 μm Spot diameter: 2 μm 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 |  | 2 μmR, 60° conical diamond, 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) |  | 2 μmR, 60° conical diamond, 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 |  | Φ 1 ruby ball, 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 |  | Φ 1 ruby ball, 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 |  | 2 μmR, 60° conical diamond, 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 |  | 25 μmR, 24° conical carbide, 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 |  | 2 μmR, 60° conical diamond, 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 |  | 2 μmR, 60° conical diamond, 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 |  | 2 μmR, 60° conical diamond, 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 fine contours | DM48588 |  | 5 μmR, 30° conical diamond, 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 |  | 2 μmR, 60° knife edge-shaped diamond, 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.

Replaceable Styli for S2000DX/SD

Applicable models ■ S2000DX/SD

| Name | Model | External view | Specifications | Remarks | |
|--|-----------------------|---------------|--|---|--|
| General purpose | DM47501 | | 2 μmR, 60° conical diamond, 0.75 mN | <ul style="list-style-type: none"> Standard accessory Stroke: 5 mm For roughness and contour measurement | |
| | DM47508 | | 5 μmR, 30° conical diamond, 0.75 mN | <ul style="list-style-type: none"> Stroke: 5 mm For roughness and contour measurement | |
| | DM47548 | | 5 μmR, 40° conical diamond, 4 mN | <ul style="list-style-type: none"> Stroke: 5 mm For roughness and contour measurement | |
| Contour stylus 2X arm | DM47513 | | LH=130, LV=-21.5 | 25 μmR, 24° conical carbide, 5 mN | <ul style="list-style-type: none"> Standard accessory Stroke: 10 mm For contour measurement only |
| | DM47525 | | LH=130, LV=-21.5 | 25 μmR, 12° inclined carbide, 7 mN or less | <ul style="list-style-type: none"> Stroke: 10 mm For contour measurement only |
| Offset measurement stylus | DM47504 | | LH=65, LV=-14.5 | 2 μmR, 60° conical diamond, 0.75 mN | <ul style="list-style-type: none"> Stroke: 5 mm Offset: 13.5 mm For roughness and contour measurement |
| Small hole stylus | DM47505 ^{*1} | | LH=65, LV=-5.025 | 2 μmR, 60° conical diamond, 0.75 mN | <ul style="list-style-type: none"> Stroke: 5 mm For roughness and contour measurement |
| | DM47524 | | LH=65, LV=-5.7 | 2 μmR, 60° conical diamond, 0.75 mN | <ul style="list-style-type: none"> Stroke: 5 mm For roughness measurement only |
| Small hole stylus 2X arm | DM47546 ^{*1} | | LH=65, LV=-5.025 | 2 μmR, 60° conical diamond, 3 mN or less | <ul style="list-style-type: none"> Stroke: 10 mm For roughness and contour measurement |
| Extra small hole stylus | DM47506 ^{*1} | | LH=65, LV=-4.625 | 2 μmR, 60° conical diamond, 0.75 mN | <ul style="list-style-type: none"> Stroke: 5 mm For roughness and contour measurement |
| Deep groove stylus | DM47507 | | LH=65, LV=-30.5 | 2 μmR, 60° conical diamond, 0.75 mN | <ul style="list-style-type: none"> Stroke: 5 mm For roughness and contour measurement |
| | DM47549 | | 5 μmR, 90° conical diamond, 4 mN | <ul style="list-style-type: none"> Stroke: 5 mm For roughness and contour measurement | |
| | DM47572 | | 2 μmR, 60° conical diamond, 2 mN or less | <ul style="list-style-type: none"> Stroke: 5 mm For roughness and contour measurement | |
| General purpose stylus 2X arm | DM47547 | | LH=130, LV=-15.5 | 2 μmR, 60° conical diamond, 4 mN | <ul style="list-style-type: none"> Stroke: 10 mm For roughness and contour measurement |
| Corner/tooth surface stylus | DM47523 | | LH=65, LV=-12.525 | 2 μmR, 60° conical diamond, 0.75 mN | <ul style="list-style-type: none"> Stroke: 5 mm For roughness measurement only |
| Corner/tooth surface stylus 2X arm | DM47595 | | LH=130, LV=-13.5 | 2 μmR, 60° conical diamond, 4 mN or less | <ul style="list-style-type: none"> Stroke: 10 mm For roughness measurement only |
| Stylus for ridge/tooth tip measurement | DM47551 | | LH=65, LV=-8.35 | 2 μmR, 60° knife edge-shaped diamond, 0.75 mN | <ul style="list-style-type: none"> Stroke: 5 mm For roughness and contour measurement |
| Stylus for waviness measurement | DM47540 | | LH=65, LV=-14.35 | Φ 2 ruby ball, 0.75 mN | <ul style="list-style-type: none"> Stroke: 5 mm For contour (waviness) measurement |

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

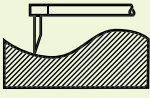
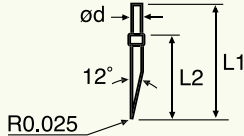
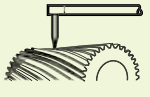
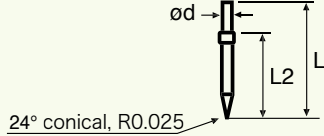

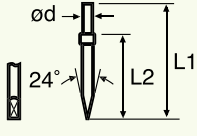
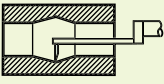
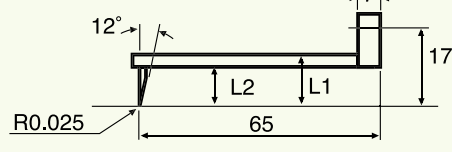
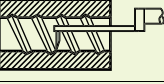
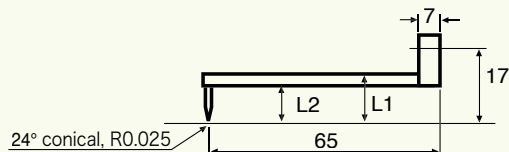
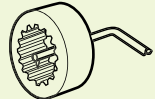
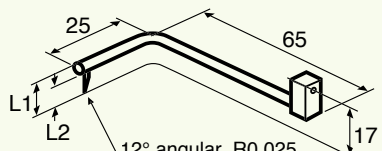
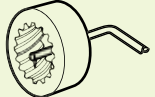
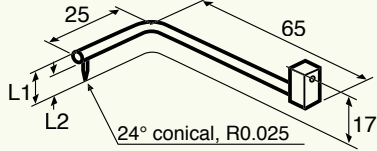
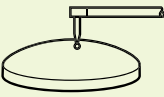
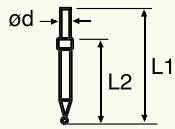
Standard Inventory Parts 87

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 | |
|---|-----------------------|---|---|-----|-----|----------------|----------------------|-----------------|
|  General purpose | DM45501 ^{*2} |  | 3 | 60 | 52 | 010 2804 | | |
| | DM45502 | | 3 | 34 | 26 | 010 2800 | | |
| | DM45503 | | 2 | 21 | 13 | 010 2801 | | |
|  General purpose | DM45504 ^{*2} |  | 3 | 60 | 52 | 010 2804 | • Standard accessory | |
| | DM45505* | | 3 | 34 | 26 | 010 2800 | | |
| | DM45506 | | 2 | 21 | 13 | 010 2801 | | |
|  Edge line | DM45507 ^{*2} |  | 3 | 60 | 52 | 010 2804 | | |
| | DM45508* | | 3 | 34 | 26 | 010 2800 | | |
| | DM45509 | | 2 | 21 | 13 | 010 2801 | | |
|  Small holes | DM45081 |  | — | 12 | 9 | 010 2802 | | |
| | DM45082 | | — | 7 | 5 | | | |
| | DM45083 ^{*1} | | — | 3.5 | 1.5 | | | |
|  Small hole twist | DM45084* |  | — | 12 | 9 | 010 2802 | | |
| | DM45085 | | — | 7 | 5 | | | |
| | DM45086 ^{*1} | | — | 3.5 | 1.5 | | | |
|  Ordinary offset | DM45087 |  | — | 12 | 9 | 010 2802 | • Offset: 25 mm | |
| | DM45088 | | — | 7 | 5 | | | |
| | DM45089 ^{*1} | | — | 3.5 | 1.5 | | | |
|  Helix surface offset | DM45090 |  | — | 12 | 9 | 010 2802 | • Offset: 25 mm | |
| | DM45091 | | — | 7 | 5 | | | |
| | DM45092 ^{*1} | | — | 3.5 | 1.5 | | | |
|  High precision | DM45522 ^{*2} |  | 3 | 60 | 52 | 010 2804 | • Φ 0.7 ruby ball | |
| | DM45523 | | 3 | 34 | 26 | 010 2800 | | |
| | DM45524 | | 2 | 21 | 13 | 010 2801 | | |
| | DM45525 ^{*2} | | 3 | 60 | 52 | 010 2804 | | |
| | DM45526 | | 3 | 34 | 26 | 010 2800 | | • Φ 1 ruby ball |
| | DM45527 | | 2 | 21 | 13 | 010 2801 | | |

*Indicates stylus/arm set 010 2999

*1:Requires master ball calibration unit for small holes. *2:Requires pickup holder joint

Contour Detectors and Arms

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

Applicable models ■ C1600 ■ C1700 ■ S1800 ■ S1900

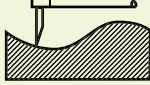
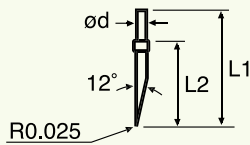
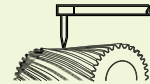
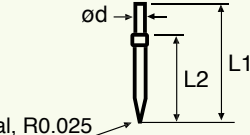

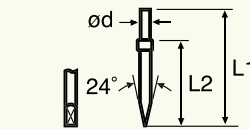
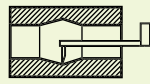
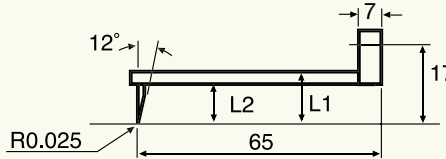

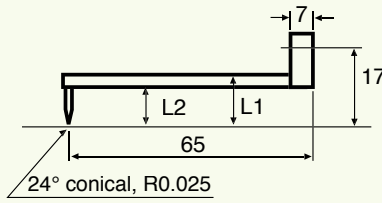
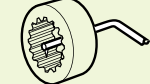
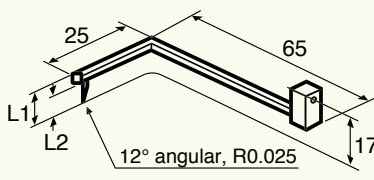
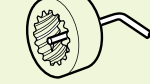
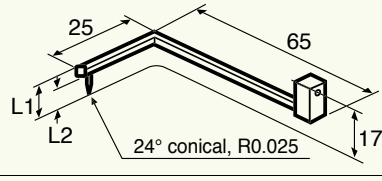
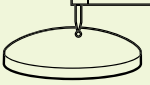
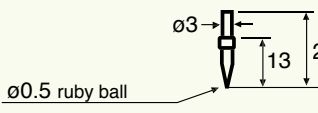
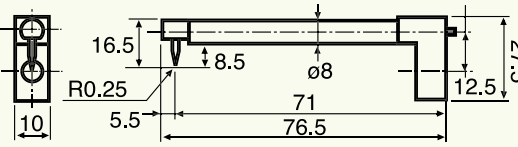
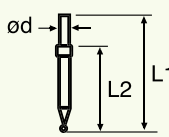
| Measuring application | Model | External view | Applicable arm | Remarks |
|-----------------------|------------|---------------|---|---|
| Contour detector | E-DT-CE02A | | — | • C1600, S1800D/G |
| | E-DT-CE03 | | — | • C1700DX/SD, S1900DX/SD |
| General purpose | 010 2800 | | DM45502 DM45505 DM45508 DM45523 DM45526 | |
| Inner surface | 010 2801 | | DM45503 DM45506 DM45509 DM45524 DM45527 | |
| Small holes | 010 2802* | | DM45081 to DM45092 | |
| Deep grooves | 010 2804 | | DM45501 DM45504 DM45507 DM45522 DM45525 | <ul style="list-style-type: none"> • Max. magnification: x50 • 010 2744 pickup holder coupling required • Provided with auxiliary weight |
| Offset measurement | 010 2805 | | DM45502 DM45505 DM45508 DM45523 DM45526 | <ul style="list-style-type: none"> • Max. magnification: x100 • Offset: 50 mm • Provided with auxiliary weight |
| | 010 2806 | | DM45502 DM45505 DM45508 DM45523 DM45526 | <ul style="list-style-type: none"> • Max. magnification: x50 • Offset: 100 mm • Provided with auxiliary weight |
| | 010 2807 | | DM45503 DM45506 DM45509 DM45524 DM45527 | <ul style="list-style-type: none"> • Max. magnification: x100 • Offset: 50 mm • Provided with auxiliary weight |
| Long items | 010 2808 | | DM45501 DM45504 DM45507 DM45522 DM45525 | <ul style="list-style-type: none"> • Max. magnification: x10 • Lever movement range: 100 mm • Sensitivity: 1/2 • Provided with auxiliary weight • 010 2744 pickup holder coupling required |
| Long holes | 010 2810 | | DM45503 DM45506 DM45509 DM45524 DM45527 | <ul style="list-style-type: none"> • Max. magnification: x25 • Lever movement range: 100 mm • Sensitivity: 1/2 • Provided with auxiliary weight |
| Arm/stylus set | 010 2999 | | | Stylus : DM45505, DM45508, DM45084, DM45086 Arms : 010 2802, 010 2805 |

*Indicates stylus/arm set 010 2999

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 |
|---|------------|---|----|------|---------|----------------|--|
|  <p>General purpose</p> | DM45501 |  | 3 | 60 | 52 | DM45531 | |
| | DM45502 | | 3 | 34 | 26 | DM45528 | |
| | DM45503 | | 2 | 21 | 13 | DM45529 | |
|  <p>General purpose</p> | DM45504 |  | 3 | 60 | 52 | DM45531 | • Standard accessory: DM45505 |
| | DM45505* | | 3 | 34 | 26 | DM45528 | |
| | DM45506 | | 2 | 21 | 13 | DM45529 | |
|  <p>Edge line</p> | DM45507 |  | 3 | 60 | 52 | DM45531 | |
| | DM45508* | | 3 | 34 | 26 | DM45528 | |
| | DM45509 | | 2 | 21 | 13 | DM45529 | |
|  <p>Small holes</p> | DM45510 |  | — | 12 | 9 | DM45530 | <ul style="list-style-type: none"> • Measuring force: 10 mN or less • Deflection: Approx. 1.5 μm for 10 mN |
| | DM45511 | | — | 8 | 5 | | |
| | DM45512*1 | | — | 4.5 | 1.5 | | |
|  <p>Small hole twist</p> | DM45513* |  | — | 12 | 9 | DM45530 | <ul style="list-style-type: none"> • Measuring force: 10 mN or less • Deflection: Approx. 1.5 μm for 10 mN |
| | DM45514 | | — | 8 | 5 | | |
| | DM45515* 1 | | — | 4.5 | 1.5 | | |
|  <p>Ordinary offset</p> | DM45516 |  | — | 12 | 9 | DM45530 | <ul style="list-style-type: none"> • Measuring force: 10 mN or less • Deflection: Approx. 3 μm for 10 mN |
| | DM45517 | | — | 8 | 5 | | |
| | DM45518*1 | | — | 4.5 | 1.5 | | |
|  <p>Helix surface offset</p> | DM45519 |  | — | 12 | 9 | DM45530 | <ul style="list-style-type: none"> • Measuring force: 10 mN or less • Deflection: Approx. 3 μm for 10 mN |
| | DM45520 | | — | 8 | 5 | | |
| | DM45521*1 | | — | 4.5 | 1.5 | | |
|  <p>High precision</p> | DM45580 |  | 3 | 21 | 13 | DM45733 | • Φ 0.5 ruby ball |
| | DM45583 |  | — | 16.5 | 8.5 | — | <ul style="list-style-type: none"> • Φ 0.5 ruby ball • Integrated with arm |
| | DM45522 |  | 3 | 60 | 52 | DM45531 | |
| | DM45523 | | 3 | 34 | 26 | DM45528 | • Φ 0.7 ruby ball |
| | DM45524 | | 2 | 21 | 13 | DM45529 | |
| | DM45525 | | 3 | 60 | 52 | DM45531 | |
| | DM45526 | | 3 | 34 | 26 | DM45528 | • Φ 1 ruby ball |
| 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




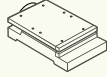



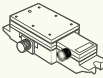





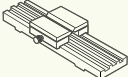



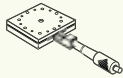



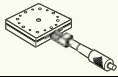


















| Measuring application | Model | External view | Applicable arm stylus | Remarks |
|-----------------------|------------|---------------|---|--|
| Contour detector | E-DT-CH07A | | | <ul style="list-style-type: none"> • C2600, S2800E/G |
| | E-DT-CH08A | | | <ul style="list-style-type: none"> • C2700DX/SD, S2900DX/SD |
| | E-DT-CH10B | | | <ul style="list-style-type: none"> • C1710DX/SD, S1910DX/SD |
| General purpose | DM45528 | | DM45502 DM45505 DM45508 DM45523 DM45526 | <ul style="list-style-type: none"> • Standard configuration • Deflection: Approx. 1.2 μm for 10 mN Approx. 3.7 μm for 30 mN |
| Inner surface | DM45529 | | DM45503 DM45506 DM45509 DM45524 DM45527 | <ul style="list-style-type: none"> • Deflection: Approx. 1.2 μm for 10 mN Approx. 3.7 μm for 30 mN |
| 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) • Deflection: Approx. 1.2 μm for 10 mN Approx. 3.7 μm for 30 mN |
| Offset measurement | DM45532* | | DM45502 DM45505 DM45508 DM45523 DM45526 | <ul style="list-style-type: none"> • Measuring force: 10 mN or less (Provided with auxiliary weight) • Deflection: Approx. 2.6 μm for 10 mN Approx. 7.8 μm for 30 mN |
| | DM45533 | | DM45503 DM45506 DM45509 DM45524 DM45527 | <ul style="list-style-type: none"> • Measuring force: 10 mN or less (Provided with auxiliary weight) • Deflection: Approx. 2.6 μm for 10 mN Approx. 7.8 μm for 30 mN |
| Arm/stylus set | DM45500 | | | <ul style="list-style-type: none"> • Stylus : DM45505, DM45508, DM45513, DM45515 • Arms : DM45530, DM45532 |

*Indicates stylus/arm set DM45500

Standard Inventory Parts

Adjustment Devices


Applicable models ■ S480 ■ S1400 ■ S1500 ■ S2000 ■ S5000 ■ C1600 ■ S1800 ■ C1700/C1710 ■ S1900/S1910 ■ S2000 ■ C2600 ■ S2800 ■ C2700 ■ S2900 ■ S-NEX

| Name | Model | External view | Orthogonal axis adjustment (mm) | | | Swivel adjustment | | Tilt adjustment | | Table size (mm) | Allowable load (net wt.) (kg) | Remarks |
|--|---|---|---------------------------------|---|-------|-------------------|--------|-----------------|--------|-----------------|-------------------------------|--|
| | | | X | Y | Z | Fine | Coarse | Fine | Coarse | | | |
| Adjustment stand | E-AT-S01D  |  | 50 | 50 | | 8° | 360° | | | Φ 150 | 20 (7) | • Min. reading increment 10 μm |
| Leveling adjustment stand | E-AT-S02A  |  | | | | | | ±1.5° | | 80 × 110 | 15 (3) | |
| Adjustment stand | E-AT-S03A  |  | | ±2.5 | | ±2° | | | | 80 × 58 | 3 (0.9) | • For E-RM-S75A |
| | E-AT-S04A  |  | | ±8 | | ±3° | | | | 80 × 125 | 15 (8) | |
| | E-AT-S05A  |  | | ±3 | | ±1° | | | | 120 × 58 | 3 (1.4) | • For E-RM-S76A |
| | E-AT-S36A  |  | | ±3 | | ±1° | | | | 200 × 120 | 5 (4.5) | • For E-RM-S77A |
| X-direction movement adjustment stand | E-AT-S08A  |  | 400 | | | | | | | 150 × 150 | 20 (25) | |
| 3D fine adjustment stand | E-AT-S10B  |  | 55 | 55 | 28 | | | | | 75 × 40 | 1 (3.4) | • Straightness: 0.03 mm |
| 1-axis precision fine adjustment stand | E-AT-S11B  |  | | 50 | | | | | | 125 × 150 | 20 (4.9) | • Straightness: 3 μm • Min. reading value: 10 μm |
| Swivel fine rotation stand | E-AT-S12A  |  | | | | ±5° | 360° | | | Φ 90 | 3 (0.58) | • Min. reading value: 5' |
| 1-axis ultra precision fine adjustment stand | E-AT-S13B  |  | | 10 <small>(Coarse movement: 10 μm Fine movement: 0.5 μm)</small> | | | | | | 60 × 60 | 10 (0.7) | • Straightness: 3 μm • Min. reading value: 0.5 μm |
| Tilting stand | E-AT-S64B  |  | | | | | | ±20° | | 60 × 120 | 10 (1) | • Min. reading value: 5' |
| Universal stand | E-WJ-S03A  |  | | | | | 360° | | ±90° | Φ 110 | 3 (2.5) | • X/Y-direction adjustment |
| Column rotary spacer | E-CS-S31A ^{*1} |  | | | H:100 | | 360° | | | — | | • Inserted between table and column |
| | E-CS-S76A ^{*3}  |  | | | | | | | | | | |
| Column spacer | E-CS-S32A ^{*1} |  | | | H:200 | | | | | | | • Inserted between table and column |
| | E-CS-S77A ^{*3}  |  | | | | | | | | | | |
| Tracing driver spacer | E-CS-S33A ^{*1}  |  | | L : 70 | | | | | | | | • Inserted between column and tracing driver |
| Tracing driver tilting device | E-CA-S24A ^{*2} E-CA-S85A ^{*3} E-CA-S92A ^{*3}  |  | | | | | | | ±15° | — | | • For contour measurements E-CA-S85A: For tracing driver 100 mm E-CA-S92A: For tracing driver 200 mm |
| | E-CA-S32A ^{*2}  |  | | | | | | | ±5° | — | (5) | • For roughness measurements |
| | E-CA-S101A ^{*3}  |  | | | | | | | | | | |

*1: Cannot be used with S3000A Series and S5000 Series.

*2: Cannot be used for Linear Series and S3000A and S5000 Series. For S1400D, S1800D, S2800E, C1600D, C2600E.

*3: For Linear Series and S1400G, C1600G, S1800G, C2600G, S2800G and S2800G Series.

 Standard Inventory Parts

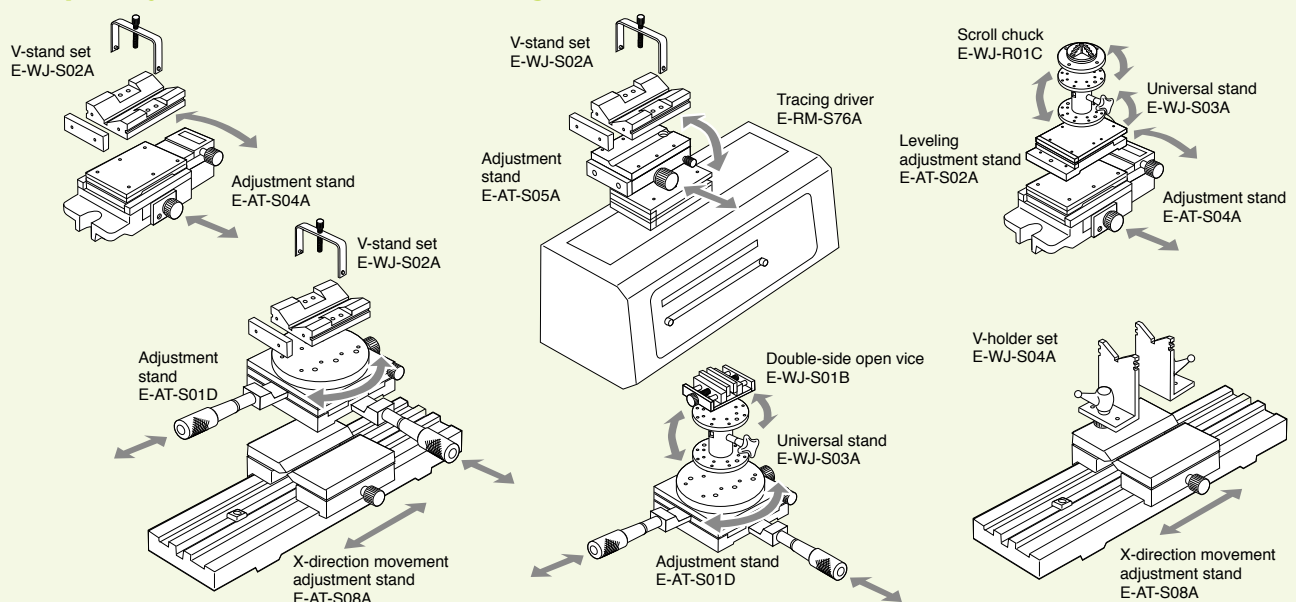
Holders

Applicable models ■ S480 ■ S1400 ■ S1500 ■ S2000 ■ S5000 ■ C1600 ■ S1800 ■ C1700/C1710 ■ S1900/S1910 ■ S2000 ■ C2600 ■ S2800 ■ C2700 ■ S2900 ■ S-NEX

| Name | Model | External view | V Holder (mm) | Chucking (mm) | Vice (mm) | Clamp (mm) | Flat surface (mm) | Allowable load (net wt.) (kg) | Remarks |
|-----------------------|-------------------------|---------------|---------------|--|----------------------------------|--------------------|--------------------------|-------------------------------|--|
| Double-side open vice | E-WJ-S01B | | | | Inside: 59 outside: 38 to 105 | | | 5 (0.8) | Consult us when combining with the tilt stand. |
| V-stand set | E-WJ-S02A | | Φ 1 to Φ 150 | | | | | (1.5) | Provided with workpiece clamber |
| V-stand holder set | E-WJ-S04A | | Φ 12 to Φ 150 | | | | | (3) | Two pieces used just for T-groove clamp |
| Compact stand | E-WJ-S05A | | Φ 4 to Φ 10 | | | | | (0.4) | |
| Load plate | E-WJ-S06A | | | | | | 150 × 150 angle plate | (1) | |
| Scroll chuck | E-WJ-R01C | | | OD: Φ 2 to Φ 79 ID: Φ 56 to Φ 90 | | | | (1) | |
| Iris chuck | E-WJ-R10A E-WJ-R378A | | | OD: Φ 5 to Φ 110 OD: Φ 5 to Φ 150 | | | | 00 (3) 00 (5) | Manufactured after receipt of order |
| Clamp set | JC-3 | | | | | Height 40 to 60 | | - | |
| Ceramic load plate | E-WJ-S252A | | | | | | 300 × 300 angle plate | (5.3) | Manufactured after receipt of order |
| | E-WJ-S234A | | | | | | 500 × 500 angle plate | (15) | Manufactured after receipt of order |

Standard Inventory Parts

Sample Adjustment Stand/Holder Configurations



SURFCOM: CONTOURCORD
Option

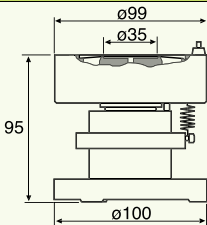


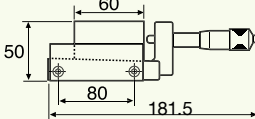
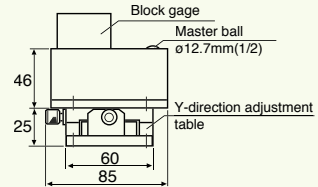
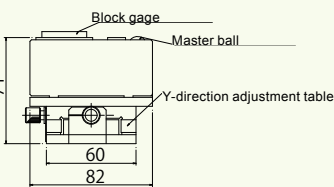
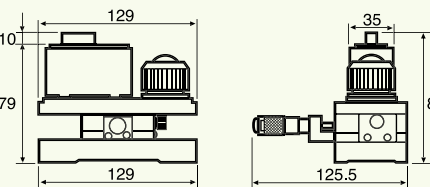
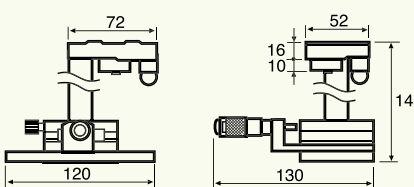
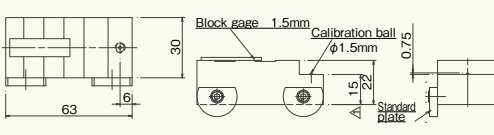
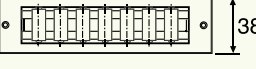
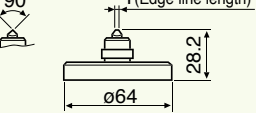
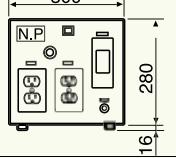
Peripherals

| Name | Model | External view | Specifications | Remarks |
|--|------------------|---------------|--|--|
| Pickup movement tracing driver (For standard series) | E-RM-S72B/S138B | | Drive distance: 100 mm Driving speed: 0.03 mm/s to 6.0 mm/s, 8 speeds Straightness accuracy: (0.05 + 1.5L/1000) μm Weight: Approx. 9 kg | <ul style="list-style-type: none"> E-RM-S72B: excluding C2600, 2800 E-RM-S138B: for C2600, 2800 S480: E-RM-S71B Specifications same as shown to left |
| | E-RM-S178A/S182A | | Drive distance: 200 mm Driving speed: 0.03 mm/s to 6.0 mm/s, 8 speeds Straightness accuracy: (0.05 + 1.5L/1000) μm Weight: Approx. 15 kg | <ul style="list-style-type: none"> E-RM-S178B: excluding C2600, 2800 E-RM-S182B: for C2600, 2800 S480: E-RM-S73B Specifications same as shown to left |
| | E-RM-S141A | | Drive distance: 100 mm Driving speed: 0.003 mm/s to 6.0 mm/s, 11 speeds Straightness accuracy: (0.05 + 1.5L/1000) μm Weight: Approx. 9 kg | <ul style="list-style-type: none"> S480: E-RM-S78A Specifications same 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 Straightness accuracy: (0.05 + L/1000) μm Weight: Approx. 9 kg | |
| | E-RM-S183E | | Drive distance: 200 mm Driving speed: 0.03 mm/s to 6.0 mm/s Straightness accuracy: (0.05 + L/1000) μm Weight: Approx. 15 kg | |
| Workpiece movement tracing driver | E-RM-S75A | | Drive distance: 50 mm Driving speed: 0.03 mm/s to 6.0 mm/s, 8 speeds Straightness accuracy: (0.05 + 1.5L/1000) μm 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 Driving speed: 0.03 mm/s to 6.0 mm/s, 8 speeds Straightness accuracy: (0.05 + 1.5L/1000) μm 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 Driving speed: 0.03 mm/s to 6.0 mm/s, 8 speeds Straightness accuracy: (0.05 + 1.5L/1000) μm 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 | | Measuring OD: Φ 12 mm to 20 mm Length: 30 mm to 150 mm OD: Φ 20 to 150 mm Length: 30 mm to 250 mm Peripheral velocity: 0.3, 0.6, 1.5 mm/s Weight: Approx. 7 kg Load weight: 5 kg | |
| Round surface roughness tracing driver | E-RM-S84A | | Measuring radius: 0.25 mm to 40 mm Rotation accuracy: ±0.25 μm (180° arbitrary) 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 | | Magnification: x5000 or less Straightness: 0.5 µm/100 mm | <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 | | Magnification: Skid measurement x5000 Min. inner dia: Up to Φ 25 mm Max. depth: 650 mm Weight: Approx. 1.2 kg Rod diameter: Φ 21.7 mm | <ul style="list-style-type: none"> Used with large measuring stand For S480B, S1400G, S1800G, S2800G |
| | DM57537 | | Magnification: Up to x5000 Min. inner dia: Up to Φ 18 mm Max. depth: 630 mm Weight: Approx. 1.2 kg Rod diameter: Φ 14 mm | <ul style="list-style-type: none"> For S1500, S1900G, S1910, S2900, S-NEX001, 031, 041, 131, 141 |
| 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 010 2808 contour profile arms 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 Rod diameter: Φ 21.7 mm | <ul style="list-style-type: none"> Pickup vertical measurement using hole bottom stylus |
| Ordinary stand for desktop anti-vibration table | E-VS-S13A | | Dimensions: 510 mm × 430 mm × 643 mm Weight: 22 kg | <ul style="list-style-type: none"> For E-VS-S57A/B, E-VS-S58A |
| Desktop anti-vibration table | E-VS-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 Air tube (external diameter Φ 6) attached. |
| | E-VS-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 | E-VS-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 | E-VS-R16B | | Anti-vibration: Pneumatic diaphragm spring Natural frequency: V: 2 Hz; H: 2.2 Hz 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 |
| | E-VS-S21B | | Anti-vibration: Pneumatic diaphragm spring Natural frequency: V: 1.6 Hz; H: 2 Hz 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 |

*3 If retrofitted to S2000 and SNE100, correction value needs to be obtained again.

| Name | Model | External view | Specifications | Remarks |
|--------------------------------------|-----------|---------------|---|---|
| System rack | E-DK-S24A | | Dimensions: 800 mm × 800 mm × (1070 to 1370) mm Weight: 44.5 kg | |
| | E-DK-S25A | | Dimensions: 1200 mm × 800 mm × (1070 to 1370) mm | |
| Side desk | E-DK-S10A | | Dimensions: 400 mm × 700 mm × 700 mm | |
| High magnification dust cover | E-CV-S02A | | Dimensions: 750 mm × 614 mm × 810 mm Weight: 8 kg | <ul style="list-style-type: none"> • Used with desktop anti-vibration table/stand for roughness measuring • For Standard/Linear series SD type (Excluding S5000, S3000) |
| | E-CV-S03A | | Dimensions: 1000 mm × 629 mm × 810 mm Weight: 13 kg | <ul style="list-style-type: none"> • Used with desktop anti-vibration table/stand for contour profile measurement • For Standard/Linear series SD type (Excluding S5000, S3000) |
| Dust cover | E-CV-S25A | | Dimensions: 1070 mm × 750 mm × 1050 mm Weight: 20 kg | <ul style="list-style-type: none"> • Used with E-VS-S21A anti-vibration table for large measuring table |
| Measuring position verification unit | E-MA-S81A | | Magnification: x20 Focal distance: 60 mm | <ul style="list-style-type: none"> • Stand type |
| | DM59014 | | Magnification: x20 Focal distance: 60 mm | <ul style="list-style-type: none"> • Can be used with work-piece movement tracing driver |
| Light | E-MA-S84A | | | <ul style="list-style-type: none"> • Stand type |
| Color camera monitoring system | DM59103 | | Image sensor: Interline type CCD Effective pixels: 768 mm × 494 mm | Configuration (1) Color camera (2) Color monitor (3) Power adapter (4) Microscope adapter (5) Connection cable (6) Instruction manual |

| Name | Model | External view | Specifications | Remarks |
|--|-----------|---|--|---|
| Tape tension jig | DM58526 |  | | <ul style="list-style-type: none"> For pickup movement tracing driver |
| Reference specimen | E-MC-S24C |  | Calibration surface: Approx. 3.1 μm Ra Stylus check surface: Approx. 0.4 μm Ra 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 |  | Large range: Approx. 20 μm Small range: Approx. 2 μm 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 |
| Magnification calibrator | E-MC-S50C |  | Narrow range accuracy: 0 to 10 μm ±0.1 μm Wide range accuracy: 0 to 400 μm ±1.0 μm | <ul style="list-style-type: none"> For magnification calibration |
| Master ball calibration unit | E-MC-S34A |  | | <ul style="list-style-type: none"> For measurements with stylus pointing downwards Standard accessory for C1600D/G, C2600E/G, C1700DX/SD, C2700DX/SD |
| | E-MC-S65B |  | | <ul style="list-style-type: none"> For measurements with stylus pointing downwards Standard accessory for S2000DX/SD, SNEX100 |
| | E-MC-S48A |  | Master ball calibration unit | <ul style="list-style-type: none"> For measurements with stylus pointing downwards Standard accessory for S3000A, S5000DX/SD |
| | E-MC-S51A |  | | <ul style="list-style-type: none"> For measurements with stylus pointing upwards For C2600E/G, S3000A, C2700DX/SD, S5000DX/SD |
| Small hole stylus master ball calibration unit | E-MC-S59D |  | Block gage: 1.5 mm Reference sphere: Φ1.5 mm | <ul style="list-style-type: none"> For measurements with stylus pointing downwards and stylus for small bore measurement For C1600, C1700DX/SD, C2600, S3000A For C2700DX/SD, S2000DX/SD, S5000DX/SD, S2000, SNEX100 |
| Pitch gage | E-MG-S02A |  | Pin diameter: 7.9 mm Pitch: 15 mm Dimensions: 144 mm × 38 mm × 49 mm | |
| Stylus check master | E-MG-S24A |  | Tip radius: 0.1 μm or less Material: Knife edge diamond | |
| Power transformer box | E-TF-R25A |  | Input: 90 V to 240 V Output: 100 V Capacity: 2.1 kVA Dimensions: 300 mm × 350 mm × 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 adjustable depending on a size and form of a workpiece |
| Pickup | E-DT-SE18A | | 5 μm R90° conical diamond, 4mN | <ul style="list-style-type: none"> All orientations Horizontal tracing possible With 0102501 stylus For S130A, S-FLEX50A |
| | E-DT-SE19A | | 2 μm R60° conical diamond, 0.7mN | <ul style="list-style-type: none"> Standard accessory |
| Touch pen | E-MA-S54A | | | <ul style="list-style-type: none"> Specialized for S130A, S480A/B |
| 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 on a roll shaped object for measurement Roll outer diameter: Φ 60 mm or more |
| | E-MA-S63A | | | <ul style="list-style-type: none"> Photo shows unit of E-MA-63A Roll outer diameter: Φ 60 mm or more |
| Dust proof cover | E-MA-S64A | | | <ul style="list-style-type: none"> For Amplification indicator Specialized for S130A, S480A/B |
| All position pickup holder | E-DH-S107A | | | <ul style="list-style-type: none"> For measuring surface roughness of slanted surfaces, vertical surfaces, ceiling surfaces and other non-flat surfaces Limited to the skid measurement |
| Horizontal tracing pickup holder | E-DH-S17A | | | <ul style="list-style-type: none"> Attachment for horizontal tracing of items, 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 | | Calibration surface: Approx. 3.1 μmRa Stylus check surface: Approx. 0.4 μmRa 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 | | 5 μm, 90° conical diamond, 4 mN (For 35B · 40A) 2 μm, 90° conical diamond, 0.75 mN (For 35B · 40A) 5 μm, 90° conical diamond, 4 mN (For 45A) | • For general measurement • Standard accessory |
| | E-DT-SM11A E-DT-SM50A | | 5 μm, 90° conical diamond, 4 mN (For 35B · 40A) 2 μm, 90° conical diamond, 0.75 mN (For 35B · 40A) | • For fine hole • Min. inner diameter: Φ 5 mm |
| | E-DT-SM12A E-DT-SM51A | | 5 μm, 90° conical diamond, 4 mN (For 35B · 40A) 2 μm, 90° conical diamond, 0.75 mN (For 35B · 40A) | • For extra fine hole • Min. inner diameter: Φ 3 mm |
| | E-DT-SM13A E-DT-SM52A | | 5 μm, 90° conical diamond, 4 mN (For 35B · 40A) 2 μm, 90° conical diamond, 0.75 mN (For 35B · 40A) | • For deep groove • Max. depth: 7 mm |
| Specialized driver for the bore roughness measurement | E-RM-S224C | | Measuring range 130 mm Max. measuring diameter Φ95 mm Min. measuring diameter Φ71.5 mm | • For HANDYSURF E-35B and SURFCOM FLEX-35B • With attachment mechanism |
| Adjustment device (Rear) | E-WJ-S64A | | | • Standard accessory for 35B, 40A |
| | E-WJ-S559A | | | • Standard accessory for 45A |
| Adjustment device (Front) | E-WJ-S80A | | | • For 35B, 40A |
| | E-WJ-S560A | | | • For 45A |
| Nose piece (Cylinder) | E-WJ-S85A | | | • For 35B |
| | E-WJ-S562A | | | • For 35B, 40A |
| Nose piece (Flat) | E-WJ-S88A | | | • For 35B |
| | E-WJ-S561A | | | • For 35B, 40A |
| Nose piece (V-shape) | E-WJ-S536A | | | • Standard accessory for 45A |
| Nose piece (contact type) | E-WJ-S563A | | | • For 45A |
| Extension adapter for long hole | DM57506 | | | • For 35B, 40A |
| Adapter for horizontal measurement | DM57507 | | | 2 or more adaptors cannot be used. • For 35B, 40A |
| Adapter for bore measurement | E-WJ-S86A | | Place a central pin on a lower bore | • For 35B, 40A |

SURFCOM: CONTOURCORD
Option

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 |  | Mounted on side of FLEX amplifier | • For FLEX-35B, 40A |
| Magnetic stand | E-ST-MAC |  | | |
| Post mount holder | 010 2050 | |  | |
| Post mount | E-CS-S26A | |  | • For Φ 6 |
| Adapter for height gage | E-WJ-S93A |  | Cross-section surface on scribe of height gage: 9 mm \times 9 mm | • Used with post mount, 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 |  | 130A, 480B | | • 128MB Provides registrations of approx. 500 measurement conditions and storage of approx. 500 measurement data (200 text management items) |
| Recording paper | E-CH-S21A | | 130A, 480B | | • 10 rolls/box • External diameter: Φ 47 mm, external width: 58 mm, roll length: 25 m |
| | | E-RC-S24A | High-speed printer for E35A, E35B, E40A, E45A | | |
| | E-CH-S25A | E-RC-S23A E-RC-S25A E-RC-S29A | Compact printer for E35A, E35B, E40A, E45A built-in printer for FLEX, compact printer II for E35A/B, E40A, E45A | | • 10 rolls/box • External diameter: Φ 24 mm, external width: 58 mm, roll length: 7 m |
| | | E-RC-S01A/B | 100B, 300B, 400B, 500B, 700B, 720B 550A, 900A/B, 920A, 730A, 470A, 740A | | |
| | E-CH-50A | E-RA-S01A | 200B | | • 10 rolls/box • External diameter: Φ 58 mm, external width: 80 mm, roll length: 40 m • Grid width \square 50mm |
| | | E-RA-S03A | 200C | | |
| | E-CH-S05B | | 570A, 590A, 750A, 790A | | • 10 rolls/box • External diameter: Φ 58 mm, external width: 60 mm, roll length: 40 m |
| | | E-RC-S09A | 440A, 470A, 740A, 900B, 920B | | |
| | E-CH-S02A | | 110A, 350A, 550A, 470A 730A, 740A, 920 | | • 20 rolls/box • External diameter: Φ 50 mm, external width: 68 mm, roll length: 25 m |
| | JIS No.121 | E-RC-XY16 | 600B/C/D | | • 100 sheets/leaflet • A3 leaflet |
| E-CH-S26A | E-RC-S30A | Compact printer III for E35B, E40A, E45A | | • 10 rolls/box • External diameter: Φ 38 mm, external width: 58 mm, roll length: 19 m | |
| Ink ribbon | E-IR-S01A | | 110A, 110B, 350A, 550A, 470A 730A, 740A, 920A | | |