

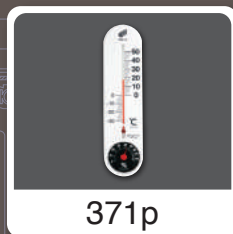
370p



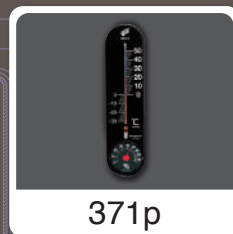
371p



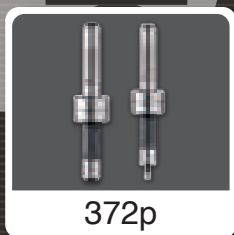
371p



371p



371p



372p



372p



373p



373p



373p



374p

OTHERS



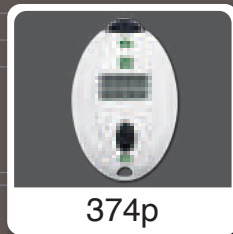
374p



374p



374p



374p



375p



375p



376p



377p



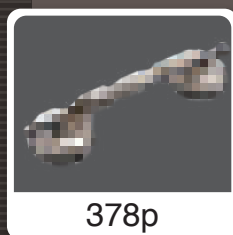
378p



378p



378p



378p

| |
|-------------------------|
| MAINTENANCE SUPPLIES |
| TOOLING |
| DRILL CASE |
| COUNTER |
| MEASURING WHEEL |
| ELECTRIC TOOLS |
| WORKING TOOLS |
| SUCTION LIFTER |

GIK

ZERUST FILM FOR STEEL (RUST INHIBITING VCI FILM)

Just place in ZERUST FILM to protect from rust. For storing any steel products.



SKZF-60135



SKZF-90130



SKZF-130200



SKZF-200300

USE

- Plastic film with volatile corrosion inhibitors for storage of ferrous metal
- Gauge blocks, tools, steel parts, molds, etc.
For storing any steel products.

FEATURES

- Only degrease item before replacing in ZERUST FILM
- Bag slowly releases rust preventive compound
- Zerust coating dissolves in moisture and still be effective in humidity

| Order No. | Model No. | Bag Size (mm) | Quantity |
|-----------|-------------|---------------|----------|
| 159991 | SKZF-60135 | W60×L135 | 20 |
| 159992 | SKZF-90130 | W90×L130 | 10 |
| 159993 | SKZF-130200 | W130×L200 | 10 |
| 159994 | SKZF-200300 | W200×L300 | 10 |



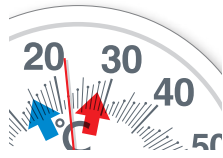
THERMO-HYGROMETER KAIDAN

Large and ligible numbers, and stepped length of linear graduation by 1°C / 1% for easy- to-read

Stickers included for rule indication



※Sticker: 2 shapes ×3 colors



Example: Turn on heater under 15°C

USE

- To manage temperature and humidity

MATERIAL

- Body: PS resin
- Cover: Acrylic resin

FEATURES

- High precision censer built-in
- Stickers included for rule indication
- For indoor use: both for wall-hanging and desktop

SPECIFICATIONS

- Thermometer: Bimetallic EX thermal censer: Tolerance $\pm 1^{\circ}\text{C}$ ($-20\sim+40^{\circ}\text{C}$)
- Bi-material EX humidity censer: Tolerance $\pm 3\%\text{RH}$ ($35\sim 75\%\text{RH}$ in room temperature)



SK-1711KD



SK-1712KD

| Order No. | Model No. | Body color | Width × Thickness (mm) | Weight |
|-----------|-----------|------------|------------------------|--------|
| 111355 | SK-1711KD | White | φ120×30 | 91g |
| 111356 | SK-1712KD | Black | | |



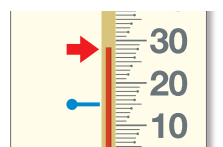
THERMO-HYGROMETER KAIDAN

Large and ligible numbers, and stepped length of linear graduation by 1°C / 1% for easy- to-read

Stickers included for rule indication



※Sticker: 2 shapes ×3 colors



Example: Turn on AC when over 28°C

USE

- To manage temperature and humidity

MATERIAL

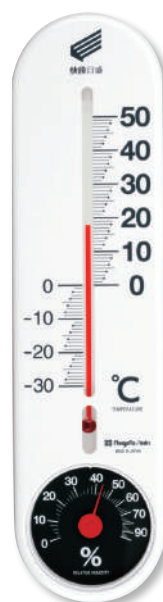
- Body: PS resin
- Cover: Acrylic resin

FEATURES

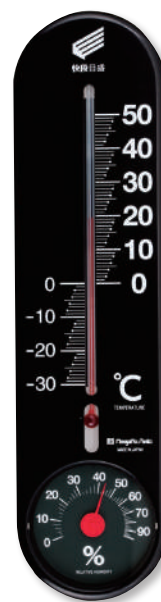
- High precision censer built-in
- Stickers included for rule indication
- For indoor use and wall-hanging

SPECIFICATIONS

- Thermometer: Glass tube thermometer: Tolerance $\pm 1^{\circ}\text{C}$ ($-10\sim+40^{\circ}\text{C}$)
- Bi-material EX humidity censer: Tolerance $\pm 3\%\text{RH}$ ($35\sim 75\%\text{RH}$ in room temperature)



SK-1721KD



SK-1722KD

| Order No. | Model No. | Body color | Length × Width × Thickness (mm) | Weight |
|-----------|-----------|------------|---------------------------------|--------|
| 111357 | SK-1721KD | White | 295×75×20 | 90g |
| 111358 | SK-1722KD | Black | | |

MAINTENANCE
SUPPLIES

TOOLING

DRILL
CASE

COUNTER

MEASURING
WHEEL

ELECTRIC
TOOLS

WORKING
TOOLS

SUCTION
LIFTER

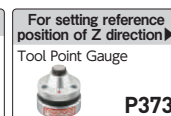
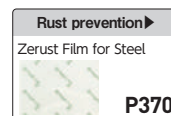
STYLUS CENTER

High precision by lapped finish working face



SR-10

SR-104



DIMENSIONS

Units: mm

USE

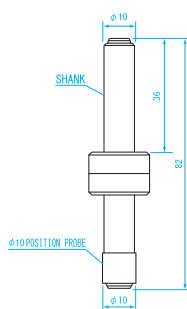
- High precision centering X and Y axis

MATERIAL

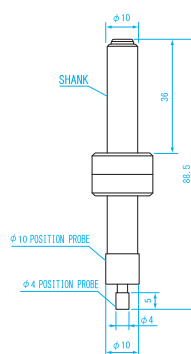
- High carbon chromium steel

FEATURES

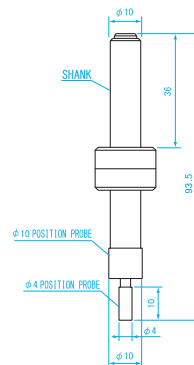
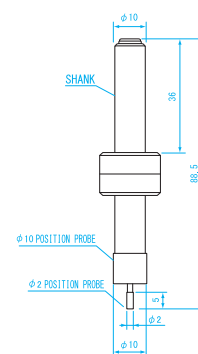
- Mechanical edge finder
- Position detection within $\pm 2\mu\text{m}$
- Working face is lapped finish
- General, NC milling machine, MC origin positioning, high accuracy positioning
- Position probe on workpiece edge



SR-10



SR-104

SR-104L
(Long probe type)SR-102
(Thin probe type)

| Order No. | Model No. | Probe (mm) | Shank Diameter (mm) | X · Z Repeatability | Operating Speed (rpm) | Weight |
|-----------|-----------|----------------------------------|---------------------|---------------------|-----------------------|--------|
| 013310 | SR-10 | $\phi 10$ | 10 | $\pm 2\mu\text{m}$ | 450 ~ 600 | 55g |
| 013314 | SR-104 | $\phi 4 \times 5 \cdot \phi 10$ | | | | 56g |
| 013320 | SR-104L | $\phi 4 \times 10 \cdot \phi 10$ | | | | 57g |
| 013325 | SR-102 | $\phi 2 \times 5 \cdot \phi 10$ | | | | 56g |

MAINTENANCE
SUPPLIES

TOOLING

DRILL
CASE

COUNTER

MEASURING
WHEEL

ELECTRIC
TOOLS

WORKING
TOOLS

SUCTION
LIFTER

FLEXIBLE ARM FOR CENTERING **NEW!**

0

For milling machines and drilling machines, etc
Attach to the drill chuck of the machine.
Ideal for parallel and vertical alignment,
as well as centering inner and outer diameters!

USE

- Machine centering tool
- Used as a holder for dial gauges and lever-type dial indicators.

MATERIAL

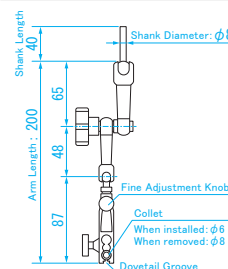
- Body: Aluminum

FEATURES

- A centering chuck arm designed to be attached to the drill chuck of milling machines and drilling machines and used in a hanging.
- By attaching optional measuring instruments such as dial gauges or lever-type dial indicators, it can perform parallel and vertical alignment, as well as inner and outer diameter centering.
- The tip features a dovetail groove and $\phi 6$, $\phi 8$ stem mounting holes.
- Equipped with a fine adjustment knob that allows for precise angle adjustments.



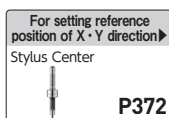
DIMENSIONS Unit: mm



| Order No. | Model No. | Shank Diameter (mm) | Shank Length (mm) | Clamp Section Fine Feed Angle | Weight |
|--------------------|-----------|---------------------|-------------------|-------------------------------|--------|
| NEW! 012696 | CCA-200 | $\phi 8$ | 40 | Approx. 0 to 10° | 200g |

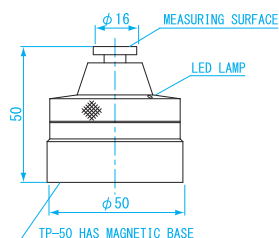
TOOL POINT GAUGE

Position detection for Z-axis



TP-50

● DIMENSIONS Units: mm



USE

- High accuracy position detection

MATERIAL

- Alloy tool steel

FEATURES

- Preset gauge
- Zero point with light sensor (electrical conductivity)
- Zero point setting (NC lathe, machining center)
- Magnetic base (TP-50M)

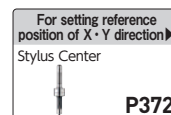
POWER

- One LR44 (alkali coin battery) included for testing

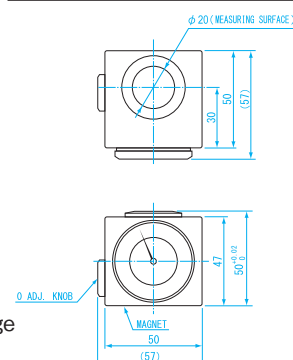
| Order No. | Model No. | Nominal Size (mm) | Accuracy (mm) | Repeatability | Measuring Force | |
|-----------|-----------|-------------------|-----------------|--------------------|-----------------|--|
| 013205 | TP-50 | 50 | $50^{+0.005}_0$ | $\pm 1\mu\text{m}$ | 2.5N | |
| 013206 | TP-50M | | | | | |
| Stroke | | Magnetic Force | | Weight | | |
| 3mm | | — | | 300g | | |
| | | 29N | | | | |

TOOL POINT GAUGE WITH DIAL GAUGE

Position detection with dial gauge for O-standard of Z-axis



● DIMENSIONS Units: mm



USE

- Position detection with dial gauge

MATERIAL

- Measuring surface: SKD11
- Body: Carbon steel for machine structural use

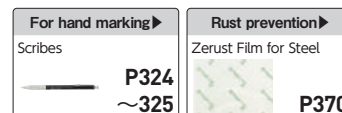
FEATURES

- Preset gauge with dial indicator
- Easy zero setting with dial gauge
- With magnet at the bottom surface

| Order No. | Model No. | Nominal Size (mm) | Accuracy (mm) | Repeatability (mm) | Measuring Force less than | Dial gauge Graduation (mm) |
|-----------|-----------|-------------------|----------------|---------------------|---------------------------|----------------------------|
| 013207 | DTP-50M | 50 | $50^{+0.02}_0$ | $\pm 10\mu\text{m}$ | less than 5N | 0.01 |
| Stroke | | Magnetic Force | | Weight | | |
| 2mm | | 100N | | 840g | | |

POINT MASTER WITH CARBIDE TIP

Suitable for scribing by milling operation.
Replaceable scriber is also available.



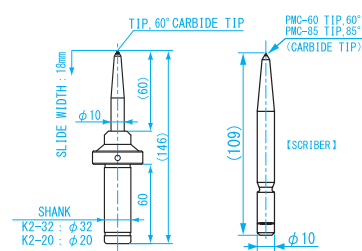
K2-32



K2-20



● DIMENSIONS Units: mm



USE

- Scribing for milling operation

MATERIAL

- Body·Scriber: Carbon tool steel
- Tip: Carbide tip

FEATURES

- Spring loaded engraving tool
- High accuracy scribing can be performed
- Not necessary to rotate
- Tip angle of scriber (included): 60°

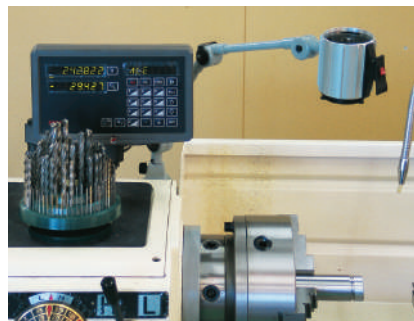
SPECIFICATIONS

- Slide width: 18mm
- Spring strength: 3.5-4N (for 10mm spring compression)
- Concentricity: 0.02mm
- Steel ball diameter: 5mm
- Suitable feed speed: 145~150mm/min (steel)

| Order No. | Model No. | Tip Angle | Length (mm) | Scriber Diameter (mm) | Weight |
|-----------|------------------|-----------|-------------|-----------------------|--------|
| 013420 | K2-32 | 60° | 146 | 10 | 510g |
| 013425 | K2-20 | | | | 280g |
| 013421 | PMC-60 (scriber) | 60° | 109 | 10 | 54g |
| 013422 | PMC-85 (scriber) | | | | 53g |

ROTATING DRILL BIT STORAGE CASE

Easy to organize drill bits by size marking



USE

- Arranging drill bits

MATERIAL

- Plastic

FEATURES

- Easy to organize by size marking
- Rotary type

Storage size(mm)

| | | | | | | |
|-------|------------------------|--------------|--------------|--------------|--------------|-----------------|
| R-113 | 1.0~10.0 (0.1 step) | 1.0 ~9.8 | 1.1 9.9 | 1.2 10.0 | 91 pcs | TOTAL 100pcs |
| | Other size | 10.5 12.0 | 10.9 12.5 | 11.0 12.9 | 11.5 13.0 | 9 pcs |

| Order No. | Model No. | Type | Dimension (mm) | Weight |
|-----------|-----------|--------|------------------------|--------|
| 013010 | R-113 | Rotary | Diameter×Height 180×82 | 240g |

TALLY COUNTER



There is no doubt for the correct count



C-4B



C-4H



C-4PC



DC-4WS

USE

- For checking product quantity, traffic volume, headcount or other counting tasks

FEATURES

- 1 count per push. Various type available for every application.
- 4 digit counter
- With backlight (DC-4WS)

POWER

- DC-4WS: LR44 (alkali coin battery) included for testing ×2pcs

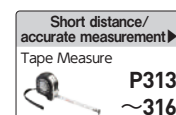
| Order No. | Model No. | TYPE | MATERIAL | Weight |
|-----------|-----------|------------|----------|--------|
| 151740 | C-4B | Stand type | Steel | 77g |
| 151741 | C-4H | Hand-held | | 53g |
| 151742 | C-4PC | Plastic | Plastic | 33g |
| 151744 | DC-4WS | Digital | | 30g |

0

ROAD MEASURING WHEEL

Measure distance by simply rolling. Equipped with a stand to let it leave upright.

■ Maximum measurement distance: 9999.9m / Minimum display: 10cm



With carrying bag

USE

- For distance measurement at building and road construction sites, land measurement, or ground maintenance

FEATURES

- Distance measurement by simply rolling
- Equipped with a stand to let it leave upright
- With carrying bag

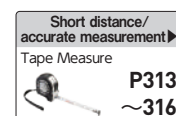
| Order No. | Model No. | Minimum Display | Maximum Measurement Distance | Counter Display | Measurement Error | Length | Weight |
|-----------|-----------|-----------------|------------------------------|---|-------------------|------------|--------|
| 111377 | RM-8 | 10cm | 9999.9m | First digit on the right: "10cm" display 4 digits on the left: "m" display | ± 1.0% | 58 ~ 110cm | 750g |

ROAD MEASURING WHEEL

0

Measure distance by simply rolling. Double wheel for a stable measurement.

■ Maximum measurement distance: 999.99m / Minimum display: 1cm



With carrying bag

USE

- For distance measurement at building and road construction sites, land measurement, or ground maintenance

FEATURES

- Distance measurement by simply rolling
- Double wheel for a stable measurement
- With carrying bag

| Order No. | Model No. | Minimum Display | Maximum Measurement Distance | Counter Display | Measurement Error | Length | Weight |
|-----------|-----------|-----------------|------------------------------|--|-------------------|----------------|--------|
| 111378 | RM-4W | 1cm | 999.99m | Two digits on the right: "cm" display Three digits on the left: "m" display | ± 1.0% | 51.5 ~ 103.5cm | 550g |

MAINTENANCE
SUPPLIES

TOOLING

DRILL
CASE

COUNTER

MEASURING
WHEELELECTRIC
TOOLSWORKING
TOOLSSUCTION
LIFTER

MINI PUMP

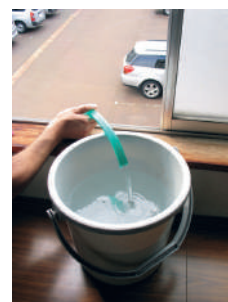
Long-seller product. Hand drill becomes a mini pump with easy installation onto drill chuck. Now with hex shank for use on standard drill or on driver.



Attached to hand drill



Easily lifts water to 2nd floor



USE

- Water supply and drainage of waste water

MATERIAL

- Main body: Plastic
- Rotor: Oil-resistant rubber

FEATURES

- Self-contained pump with corrosion resistance to be attached with electric drill

SPECIFICATIONS

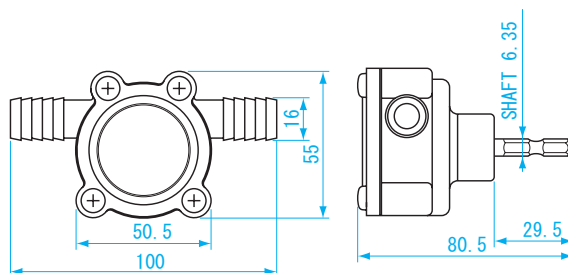
- Hose diameter: 15mm
- Max water rise: 12m
- Pumping capacity: 10~12L/min
Operating speed: 1600min⁻¹
- Suitable water temperature: 5~50°C
Shaft diameter: 6.35mm

ACCESSORIES

- Hose band 2pcs included

● DIMENSIONS

Units: mm



| Order No. | Model No. | Shaft Diameter | Weight |
|-----------|-----------|-------------------------|--------|
| 011771 | RDP-01 | 1/4" hex shaft (6.35mm) | 160g |

■ ROTOR FOR MINI PUMP (RDP-01)

| Order No. | Model No. |
|-----------|-----------|
| 011772 | RDP-01R |

■ OIL SEAL FOR MINI PUMP

| Order No. | Model No. |
|-----------|-----------|
| 011773 | RDP-02 |

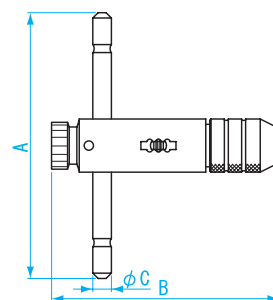
T-HANDLE RATCHET TAP WRENCH

Ratchet type for easy tap setting



RTH-M

● DIMENSIONS



Units: mm

| Model No. | A | B | C |
|-----------|-----|-----|---|
| RTH-M | 100 | 85 | 6 |
| RTH-L | 120 | 110 | 8 |

USE

- Wrench for tap stand

MATERIAL

- Body: Carbon steel for machine structural use
- Chuck: Sintered metal

FEATURES

- Sliding T-shaped handle
- Can work with one hand
- Tapping easily in narrow space by sliding handle
- Switchable in three different positions (left, right and fixed)

| Order No. | Model No. | Size | Tap Range | Weight |
|-----------|-----------|------|-----------|--------|
| 013002 | RTH-M | M | M3 ~ M8 | 160g |
| 013003 | RTH-L | L | M8 ~ M12 | 305g |

MAINTENANCE
SUPPLIES

TOOLING

DRILL
CASE

COUNTER

MEASURING
WHEEL

ELECTRIC
TOOLS

WORKING
TOOLS

SUCTION
LIFTER

SUCTION LIFTER

Suitable for carrying glass by suction structure



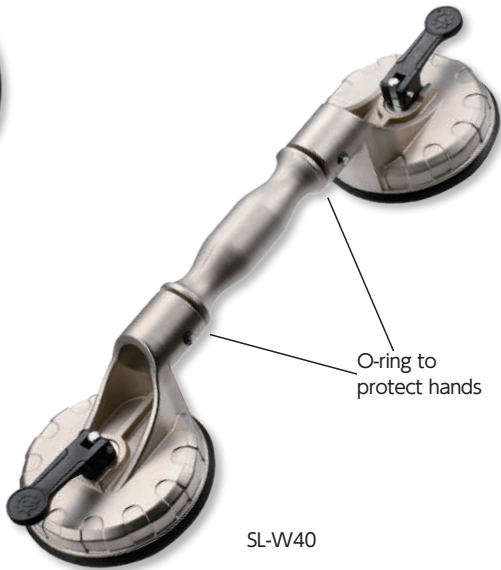
SL-A20



SL-B25



SL-A30



SL-W40

O-ring to protect hands



USE

- For lifting and transporting material with no handle, such as metal sheet and glass

FEATURES

- Strong suction with one lever operation
- Suction structure to be a temporary handle on heavy object with no handle
- Spring pin to prevent object from falling off

| Order No. | Model No. | Suction Face (mm) | Maximum load capacity | Weight |
|-----------|-----------|-------------------|---|--------|
| 160200 | SL-A20 | φ 123 | 20kg | 340g |
| 160201 | SL-A30 | φ 123 | 30kg | 480g |
| 160202 | SL-B25 | φ 115 | 25kg | 820g |
| 160203 | SL-W40 | φ 123 × 2 | Horizontal direction 40kg / Vertical direction 80kg | 1230g |