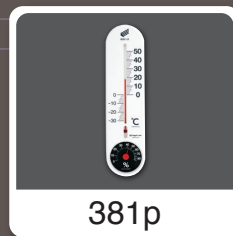


380p



381p



381p



382p



382p



382p



382p



383p

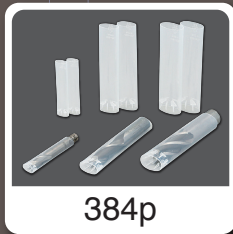


383p

OTHERS



383p



384p



384p



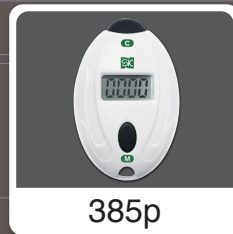
385p



385p



385p



385p



385p



385p



386p



386p



387p



388p



388p



389p



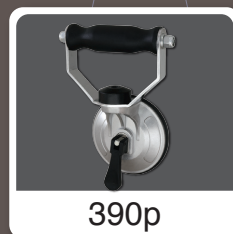
389p



390p



390p



390p



390p

MAINTENANCE
SUPPLIES

TOOLING

DRILL
CASE

COUNTER

MEASURING
WHEEL

ELECTRIC
TOOLS

WORKING
TOOLS

SUCTION
LIFTER

ZERUST FILM FOR STEEL (RUST INHIBITING VCI FILM)

Just place in ZERUST FILM to protect form 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

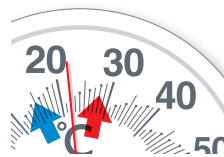
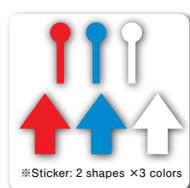
Order No.	Model No.	Bag Size (mm)	Quantity
159991	SKZF-60135	W60×L135	20
159992	SKZF-90130	W90×L130	10
159993	SKZF-130200	W130×L200	10
159994	SKZF-200300	W200×L300	10



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



Example: Turn on heater under 15°C

USE

- To manage temperature and humidity

MATERIAL

- Body: PS resin
- Cover: Acrylic resin

FEATURES

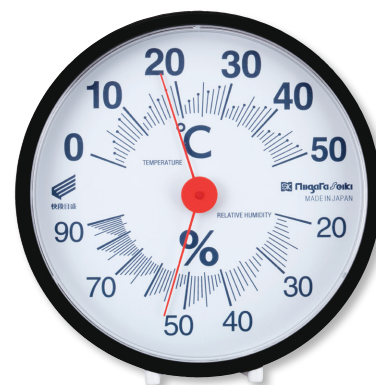
- High precision censer built-in
- Stickers included for rule indication
- For indoor use: both for wall-hanging and desktop

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

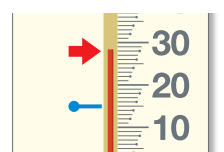
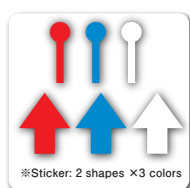
Order No.	Model No.	Body color	Width × Thickness (mm)	Weight
111355	SK-1711KD	White	φ120×30	91g
111356	SK-1712KD	Black		



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



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

Rust prevention▶
Zerust Film for Steel



P380

For setting reference position of Z direction▶
Tool Point Gauge



P383



SR-10



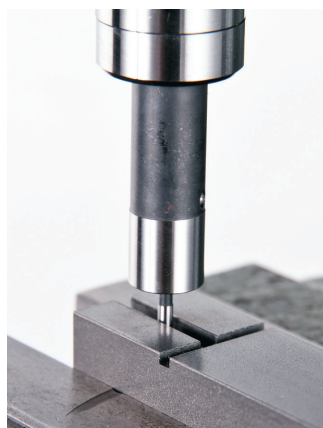
SR-104



SR-104L

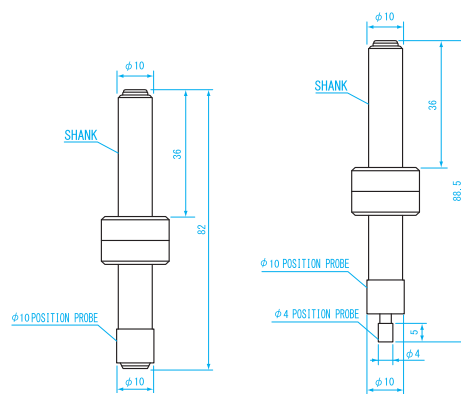


SR-102



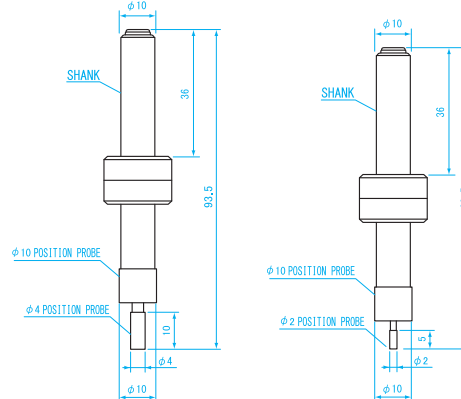
● DIMENSIONS

Units: mm



SR-10

SR-104

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

USE

- High precision centering X and Y axis

MATERIAL

- High carbon chromium steel

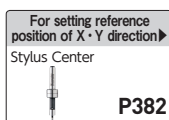
FEATURES

- 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

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

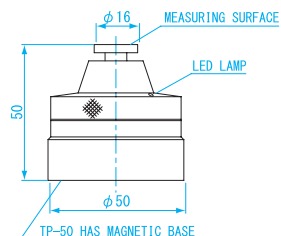
TOOL POINT GAUGE

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)

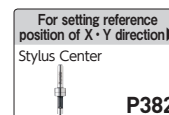
POWER

- One LR44 (alkali coin battery) included for testing

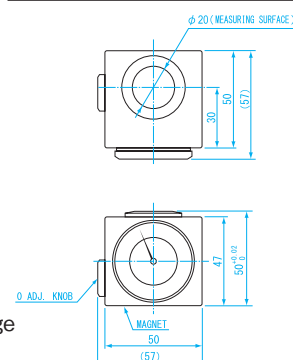
Order No.	Model No.	Nominal Size (mm)	Accuracy (mm)	Repeatability	Measuring Force	
013205	TP-50	50	$50^{+0.005}_0$	$\pm 1\mu\text{m}$	2.5N	
013206	TP-50M					
Stroke		Magnetic Force		Weight		
3mm		—		300g		
		29N				

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	$50^{+0.01}_0$	$\pm 10\mu\text{m}$	5N	0.01
Stroke		Magnetic Force		Weight		
2mm		100N		840g		

POINT MASTER WITH CARBIDE TIP

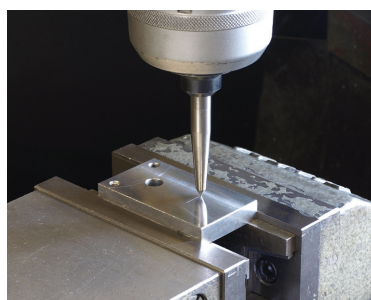
Suitable for scribing by milling operation.
Replaceable scriber is also available.



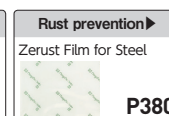
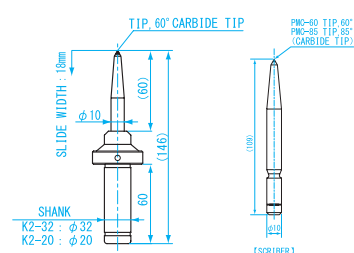
K2-32



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	58g
013422	PMC-85 (scriber)	85°			54g

SAFETY CAP FOR ENDMILLS

To protect tips of endmills

Rust prevention▶

Zerust Film for Steel



P380

USE

- Protects tips of endmills

MATERIAL

- Polypropylene

FEATURES

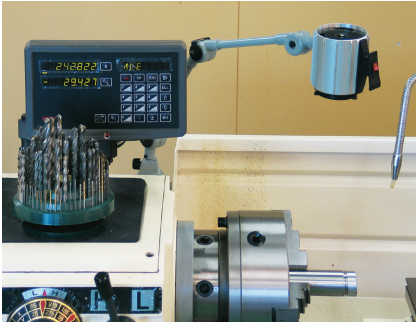
- Easy to distinguish endmills by clear case
- Suitable for protecting tip of endmills kept on tooling rack
- Designed to prevent slipping out



Order No.	Model No.	Shaft Dia. (mm)	Length (mm)	Protection Length (mm)	1 Set contains	Weight
111130	AMS-06	6	40	35	100 pcs	60g
111131	AMS-08	8			100 pcs	80g
111132	AMS-10	10			100 pcs	180g
111133	AMS-12	12	70	63	100 pcs	210g
111134	AMS-16	16			50 pcs	250g
111135	AMS-20	20			50 pcs	350g
111136	AMS-25	25	110	100	50 pcs	650g
111137	AMS-32	32			20 pcs	400g
111138	AMS-42	42			20 pcs	700g
111139	AMS-55	55	190	165	20 pcs	950g

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

R-113	1.0~10.0 (0.1 step)	1.0 1.1 1.2 1.3~9.8	91 pcs	TOTAL 100pcs
	Other size	10.5 10.9 11.0 11.5 11.9 12.0 12.5 12.9 13.0	9 pcs	

Order No.	Model No.	Type	Dimension (mm)	Weight
013010	R-113	Rotary	Diameter×Height 180×82	300g

TALLY COUNTER

There is no doubt for the correct count

USE

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

MATERIAL

- Steel (C-4B·C-4H)
- Plastic (C-4PC·DC-4WS)

FEATURES

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

POWER (DC-4WS)

- Tow LR44 (alkali coin battery) included for testing



C-4B

C-4H

C-4PC

DC-4WS

Order No.	Model No.	TYPE	Weight
151740	C-4B	Stand type	77g
151741	C-4H	Hand-held	53g
151742	C-4PC	Plastic	33g
151744	DC-4WS	Digital	45g

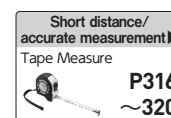
ROAD MEASURING WHEEL

Measure distance by simply rolling.

Equipped with a stand to let it leave upright.

■ Maximum measurement distance: 9999.9m

Minimum display: 10cm



USE

- Distance measurement in road construction or on building site, land measurement, or ground maintenance

FEATURES

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



With carrying bag



Order No.	Model No.	Minimum Display	Maximum Measurement Distance	Counter Display	Measurement Error	Length (mm)	Weight
111226	RM-4	10cm	9999.9m	First digit on right: 10cm dist. display 4 digits on left: m display	Within 0.15%	535 ~ 1065	590g

MAINTENANCE
SUPPLIES

TOOLING

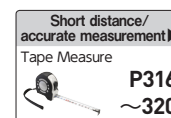
ROAD MEASURING WHEEL

Measure distance by simply rolling.

Double wheel for a stable measurement.

■ Maximum measurement distance: 999.99m

Minimum display: 1cm



USE

- Distance measurement in road construction and on building site, land measurement, ground maintenance

FEATURES

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



With carrying bag



Order No.	Model No.	Minimum Display	Maximum Measurement Distance	Counter Display	Measurement Error	Length (mm)	Weight
111227	RM-3MW	1cm	999.99m	2 digits on right: cm display 3 digits on left: m display	Within 0.15%	500 ~ 1030	480g

DRILL
CASE

COUNTER

MEASURING
WHEEL

ELECTRIC
TOOLS

WORKING
TOOLS

SUCTION
LIFTER

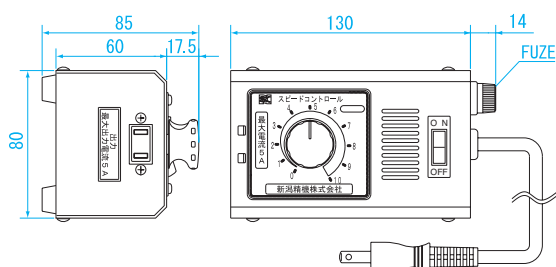
SPEED CONTROLLER

100v

For speed control of power tools and dimming control of incandescent light

● DIMENSIONS

Units: mm



USE

- Control speed of power tools (single phase commutator motors) and dimming control of incandescent light

MATERIAL

- Body: Steel

FEATURES

- Energy saving model that eliminates wasteful energy use
- With power switch
- Minimum speed controllable

SPECIFICATIONS

- Single phase
- Rated voltage: AC100V
- Rated frequency: 50/60Hz
- Operating temperature range: 0~45°C
- Control: Triac phase control
- Load current: 5A



Comparison of level control settings



Order No.	Model No.	Weight
011305	SP-10S	600g

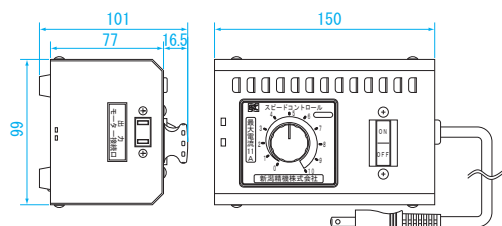
SPEED CONTROLLER

100v

For speed control of power tools and dimming control of incandescent light

● DIMENSIONS

Units: mm



USE

- Control speed of power tools (single phase commutator motors) and dimming of incandescent lights

MATERIAL

- Body: Steel

FEATURES

- Energy saving model that eliminates wasteful energy use
- With power switch
- Circuit protection: circuit breaker
- Minimum speed controllable

SPECIFICATIONS

- Single phase
- Rated voltage: AC100V
- Rated frequency: 50/60Hz
- Operating temperature range: 0~45°C
- Control: Triac phase control
- Load current: 11A



Order No.	Model No.	Weight
011311	SP-110	1kg

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

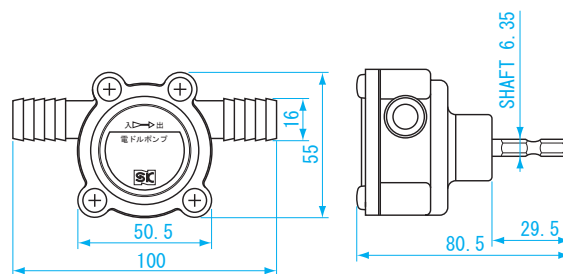
- Self-contained pump with corrosion resistance to be attached with electric drill

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
- 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

MAINTENANCE
SUPPLIES

TOOLING

DRILL
CASE

COUNTER

MEASURING
WHEEL

ELECTRIC
TOOLS

WORKING
TOOLS

SUCTION
LIFTER

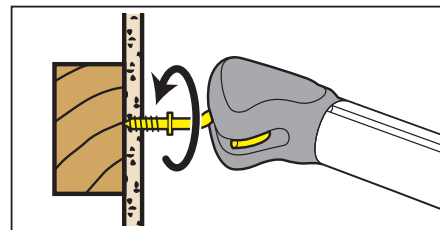




MECHANICAL STUD FINDER

0

To find suitable wall base behind wall paper.
Screw for screw eye attached.



Easy to screw.
Screw for screw eye attached.

USE

- To find suitable wall base behind wall paper

MATERIAL

- Body: ABS resin
- Needle: SWP (fluorine coating)

FEATURES

- Findable depth: Max. 35mm
- Needle with fluorine coating for less friction and hard-to-bend
- Easy reading of wall thickness by memory ring and stepped length of linear graduation by 1mm
- Stabilizer plate for vertical prick and sticker for wall protection included
- Two replaceable needles included

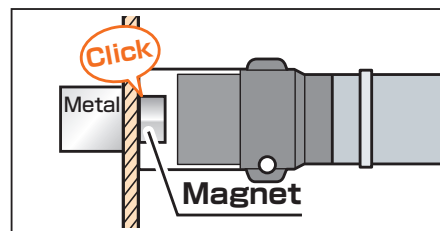
Order No.	Model No.	Max. depth (mm)	Needle diameter (mm)	Length (mm)	Weight
111351	P-11HKD	35	Approx. $\phi 0.6$	161	40g



MECHANICAL STUD FINDER WITH MAGNET

0

To find metallic base behind wall paper



Magnet to find metallic base

USE

- To find metallic base behind wall paper

MATERIAL

- Body: ABS resin
- Needle: SWP (fluorine coating)

FEATURES

- Findable depth: Max. 35mm
- Needle with fluorine coating for less friction and hard-to-bend
- Easy reading of wall thickness by memory ring and stepped length of linear graduation by 1mm
- Stabilizer plate for vertical prick and sticker for wall protection included
- Two replaceable needles included



To find metallic base behind wall paper

Order No.	Model No.	Max. depth (mm)	Needle diameter (mm)	Length (mm)	Weight
111352	P-11NKD	35	Approx. $\phi 0.6$	160	40g

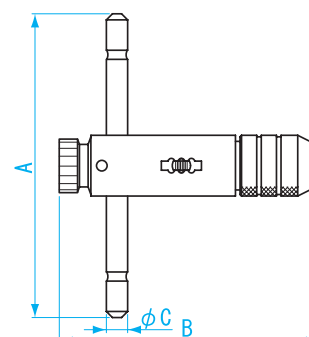
T-HANDLE RATCHET TAP WRENCH

Ratchet type



RTH-M

● DIMENSIONS



Units: mm

Model No.	A	B	C
RTH-M	100	85	7
RTH-L	120	110	8

USE

- Tapping

MATERIAL

- Body: Carbon tool steel
- 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	200g
013003	RTH-L	L	M8 ~ M12	330g

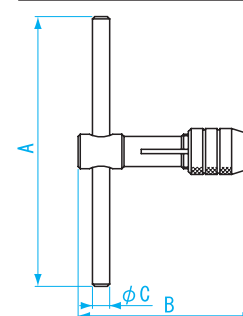
TAP WRENCH

For general use



TRS-1

● DIMENSIONS



Units: mm

Model No.	A	B	C
TRS-1	94	60	6
TRS-2	103	74	6
TRS-3	124	90	8

USE

- Tapping

MATERIAL

- Carbon tool steel

FEATURES

- Sliding T-shaped handle
- Can work with one hand
- Tapping easily in narrow space by sliding handle

Order No.	Model No.	Tap Range	Weight
012995	TRS-1	M3 ~ M6	90g
012996	TRS-2	M4 ~ M10	130g
012997	TRS-3	M8 ~ M12	210g

MAINTENANCE
SUPPLIES

TOOLING

DRILL
CASE

COUNTER

MEASURING
WHEEL

ELECTRIC
TOOLS

WORKING
TOOLS

SUCTION
LIFTER



SUCTION LIFTER

Suitable for carrying glass by suction structure



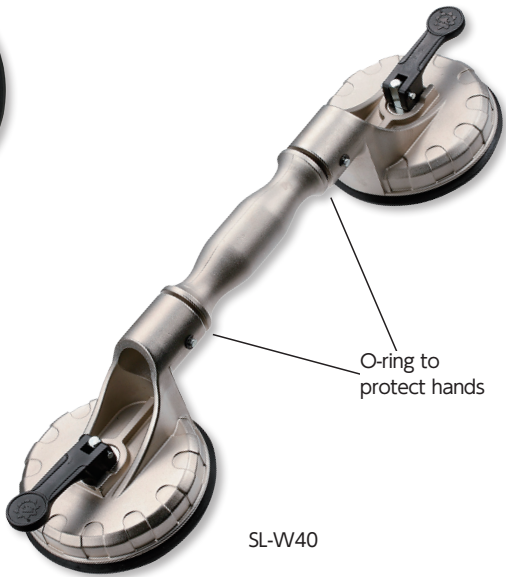
SL-A20



SL-B25



SL-A30



SL-W40



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