

328p



328p



328p



329p



329p



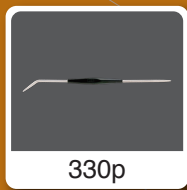
330p



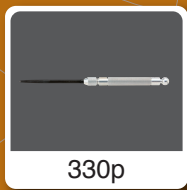
330p



330p



330p



330p



330p

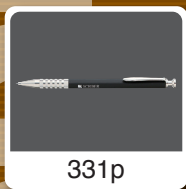


330p



331p

SCRIBER



331p



331p



331p



332p



332p



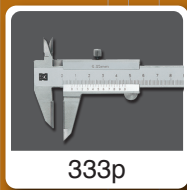
333p



333p



333p



333p



333p



333p



334p



334p



334p



335p



335p



336p



336p



336p



337p



337p



337p



338p



338p



338p



339p



339p

PUNCH

SCRIBER

POWER
SCRIBER

DIVIDER

CALIPER

SURFACE
GAUGE

COMBINATION CARBIDE TIP SCRIBER AND AUTOMATIC CENTER PUNCH S

Long-seller product. For center-punching without hammer and for scribbling.



USE

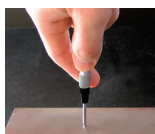
- For center punch and scribing work

MATERIAL

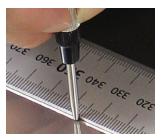
- Body: Aluminum (anodized)
- Tip: Carbide tip (G5)
- Tip hardness: HRA87

FEATURES

- Spring loaded, no hammer needed
- Can be used as center punch and as scriber
- Strength of the driving force can be adjustable by rotating the rear cap



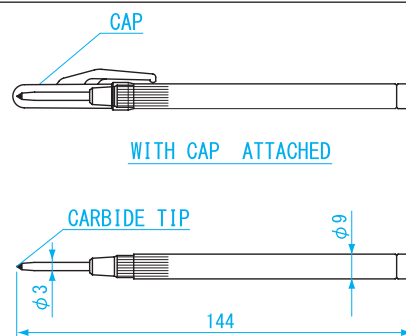
Punching work



Scribing work

● OUTLINE DIMENSIONS

Unit: mm



Replacement parts available P340

Order No.	Model No.	Weight
000001	AP-S	21g

CARBIDE TIP AUTOMATIC CENTER PUNCH M

Long-seller product. For center-punching without hammer.



USE

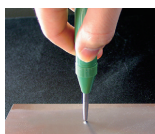
- For center punch

MATERIAL

- Body: Plastic
- Tip: Carbide tip (G5)
- Tip hardness: HRA87

FEATURES

- Spring loaded, no hammer needed
- Strength of the driving force can be adjustable by rotating the rear cap



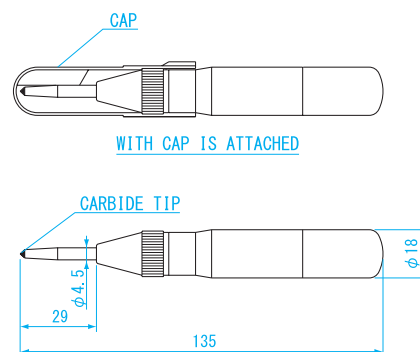
Punching work



Piercing empty spray can for safe disposal

● OUTLINE DIMENSIONS

Unit: mm



Replacement parts available P340

Order No.	Model No.	Weight
000002	AP-M	53g

CARBIDE TIP AUTOMATIC CENTER PUNCH M2

Long-seller product. For center-punching without hammer.



USE

- For center punch

MATERIAL

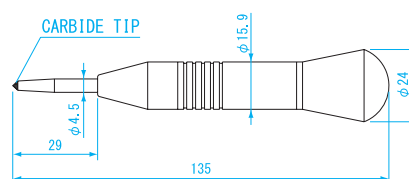
- Body: Brass (nickel plated)
- Tip: Carbide tip (G5)
- Tip hardness: HRA87

FEATURES

- Spring loaded, no hammer needed
- Strength of the driving force can be adjustable by rotating the rear cap

● OUTLINE DIMENSIONS

Unit: mm



Order No.	Model No.	Weight
000004	AP-M2	155g

CARBIDE TIP AUTOMATIC CENTER PUNCH L

Long-seller product. For center-punching without hammer.



USE

- For center punch

MATERIAL

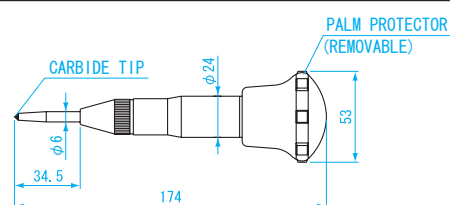
- Body: Plastic
- Tip: Carbide tip (G5)
- Tip hardness: HRA87

FEATURES

- Spring loaded, no hammer needed
- Strength of the driving force can be adjustable by rotating the rear cap
- Wide grip for palm protection. Can be used continuously without impact on hand.

● OUTLINE DIMENSIONS

Unit: mm



Replacement parts available P340

Order No.	Model No.	Weight
000003	AP-L	114g

CARBIDE TIP CENTER PUNCH

Long-seller product. For center-punching.

Rust prevention ▶

Zerust Film for Steel



P380



TCP-M

USE

- For punch work

MATERIAL

- Body: Sulfur free cutting steel
- Tip: Carbide tip (G5)

FEATURES

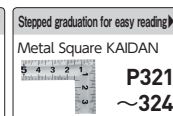
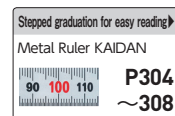
- Black oxide knurled grip
- Punchable material: Up to approx. HV520 (hardened steel)



Order No.	Model No.	Length (mm)	Knurled part Diameter (mm)	Tip angle	Weight
000021	TCP-S	77	φ 8	85°	23g
000022	TCP-M	100	φ 10		48g
000023	TCP-L	110	φ 15		115g
000024	TCP-LL	125	φ 17		170g
000025	TCP-XL	177	φ 20		310g

ETCHING SCRIBER

Long-seller product. Plated finish for anti-rust.



USE

- For scribing work

MATERIAL

- Body: Carbon tool steel for machine use (nickel plated)
- Grip: Plastic
- Hardened tip
- Tip hardness: HV520~590

FEATURES

- Plated for rust-resistance



Order No.	Model No.	Length (mm)	Diameter (mm)	Grip Length (mm)	Grip Diameter (mm)	Spatula Width (mm)	Weight
000150	K	240	5	82	15	—	46g
000151	N					20	48g

PUNCH

SCRIBER

POWER SCRIBER

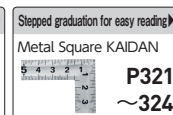
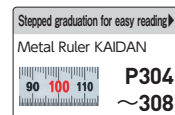
DIVIDER

CALIPER

SURFACE GAUGE

CARBIDE TIP ETCHING SCRIBER

Carbide tipped for better durability



USE

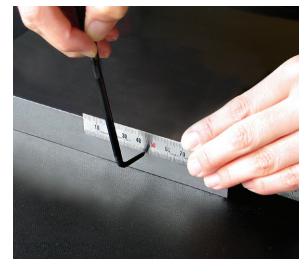
- For scribing and drawing on steel, brass, plastic and glass

MATERIAL

- Tip: Carbide tip (G2)
- Tip hardness: HRA87

FEATURES

- Carbide tipped for scribing on hard steel and glass
- Less abrasion, tipping and burrs
- Tip angle: 55°
- Replacement scriber tip sold separately (KW, A)



Order No.	Model No.	Length (mm)	Diameter (mm)	Grip Length (mm)	Grip Diameter (mm)	Material	Weight
000160	KW	224	4.5	—	—	Sulphur free-cutting steel	36g
000170	PKW	235	7	80	φ11	Carbon tool steel for machine use	40g
000180	A	170 (stored·110)	5	97	φ10	Carbon steel	25g
000190	H	150	(hex) 6	—	—	Carbon tool steel	32g
000200	S	156	6	—	—	Carbon tool steel	25g

CARBIDE TIP SCRIBER

Pencil type for easy-to-carry.
Carbide tipped.



SC-P10

For highly accurate scribing work ▶ Scribing Caliper  P333	For marking conductive metal ▶ Electric Marking Pencil  P334
Marking tool ▶ Handy Electric Marking Pen  P335	Engraving tool powered by compressed air ▶ Pneumatic Engraving Perforator  P335

USE

- Scribing and drawing work on steel, brass, plastic and glass

MATERIAL

- Body: ABS resin
- Tip: Carbide tip (G2)

FEATURES

- Carbide tipped for scribing on hard steel and glass
- Less abrasion, tipping and burrs
- Cap with clip for storage and carrying

Order No.	Model No.	Size	Length (mm)	Diameter (mm)	Carbide tip Dia. (mm)	Carbide tip Angle	Weight
000260	SC-P05	0.5mm	125	10	0.5	50°	10g
000262	SC-P10	1.0mm			1.0		
000264	SC-P20	2.0mm			2.0		
000261	SC-PE05	Spare tip 0.5mm	—	—	0.5		2g
000263	SC-PE10	Spare tip 1.0mm	—	—	1.0		
000265	SC-PE20	Spare tip 2.0mm	—	—	2.0		

CARBIDE TIP SCRIBER

Pencil type for easy-to-carry.
Carbide tipped.

For highly accurate scribing work ▶ Scribing Caliper  P333	For marking conductive metal ▶ Electric Marking Pencil  P334
Marking tool ▶ Handy Electric Marking Pen  P335	Engraving tool powered by compressed air ▶ Pneumatic Engraving Perforator  P335

USE

- For scribing work

MATERIAL

- Body: Plastic (DX- metal)
- Tip: Carbide tip (G2)

FEATURES

- Clip for convenient carrying
- Scriber tip retracts into body like click pen
- Durable carbide tip for scribing on hard steel, glass etc.
- Less abrasion, tipping and burrs
- Tip angle: 50°



SC-P



SC-PDX

Order No.	Model No.	Standard	Tip Angle (mm)	Length (mm)	Diameter (mm)	Weight
000210	SC-P	—	1	145	7.2	19g
000215	SC-PDX	DX	1	132	8	25g

REPLACEMENT TIP (5pcs) FOR SC-P, SC-PDX

USE

- Replacement tip with tip holder for SC-P, SC-PDX

MATERIAL

- Tip holder: Brass
- Tip: Carbide tip (G2)

SPECIFICATIONS

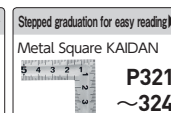
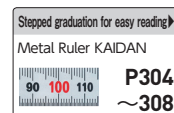
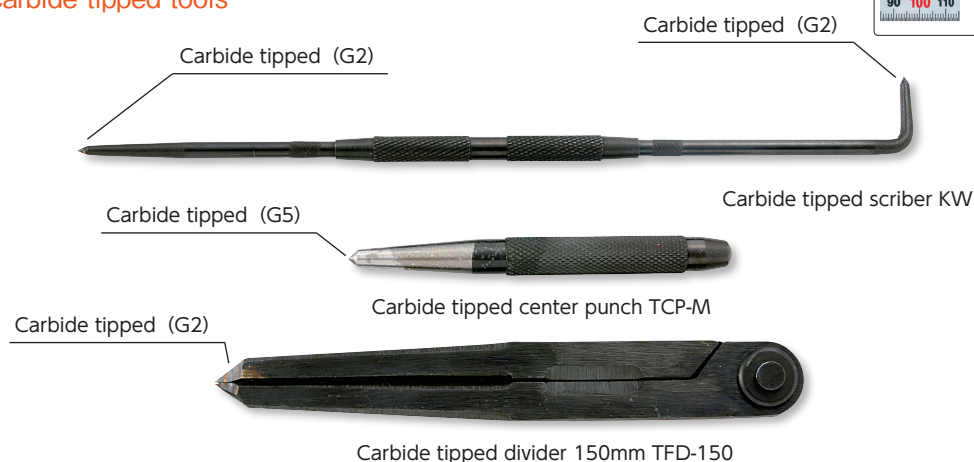
- Tip Diameter: 1mm
- Applicable product: SC-P, SC-PDX



Order No.	Model No.	Quantity	Length (mm)	Weight (each)
000213	SC-PE5	5pcs	40	8g

CARBIDE SCRIBING / ENGRAVING TOOL SET

Set of all carbide tipped tools



USE

- For scribing materials such as glass, brass, plastic, copper
- For punch work
- For scribing circles and dividing distances

FEATURES

- Plastic carrying case

CONTENTS

- Carbide tipped scribe KW
- Carbide tipped center punch TCP-M
- Carbide tipped divider 150mm TFD-150 (one each)

Order No.	Model No.	Weight
000303	CTS-3	240g

PUNCH

SCRIBER

POWER
SCRIBER

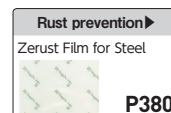
DIVIDER

CALIPER

SURFACE
GAUGE

CARBIDE SCRIBING / ENGRAVING TOOL SET

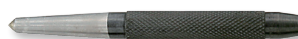
Set of all carbide tipped tools (except ruler)



Stainless steel ruler SV-150KD 150mm



Carbide tipped scribe KW



Carbide tipped center punch TCP-M



Carbide tipped divider TFD-100



Carbide tipped center punch TCP-S



Carbide tipped divider TFD-150



Hermaphrodite caliper FHC-150



Carbide tipped divider TFD-250

USE

- For scribing work

FEATURES

- Metal case holds 8 tools

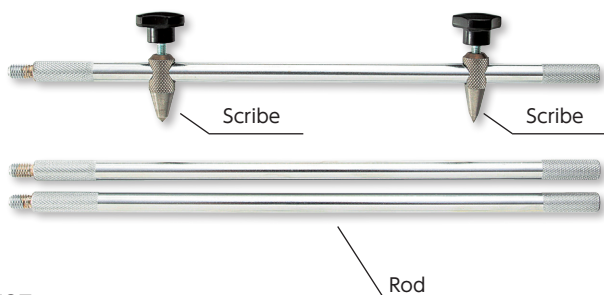
CONTENTS

- Stainless steel ruler SV-150KD 150mm
- Carbide tipped scribe KW
- Carbide tipped center punch TCP-S
- Carbide tipped center punch TCP-M
- Carbide tipped divider 100mm TFD-100
- Carbide tipped divider 150mm TFD-150
- Carbide tipped divider 250mm TFD-250
- Hermaphrodite caliper 150mm FHC-150 (one each)

Order No.	Model No.	Weight
000308	CTS-8	1.5kg

BEAM TRAMMEL WITH CARBIDE TIP

For scribing circle of large diameter



USE

- For scribing

MATERIAL

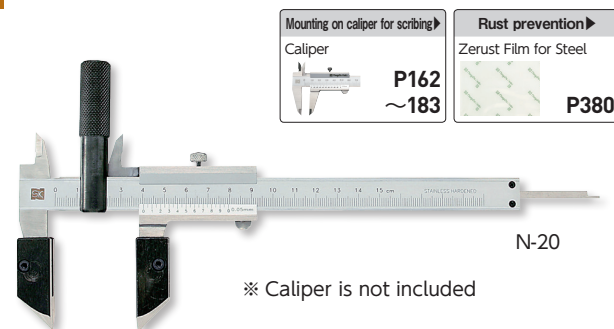
- Rod: Carbon tool steel (nickel plated)
- Scriber: Stainless steel

FEATURES

- For scribing work
- Three rods connected can scribe circle of dia. approx. 1.5m max.
- Includes three rods
- Additional rod available (separately sold): Up to four rods can be connected

Order No.	Model No.	Outside Diameter (mm)	Weight
000100	BT-13	10	800g

ATTACHMENT SCRIBER FOR CALIPER



USE

- Mounting on caliper for scribing

MATERIAL

- Body: Carbon steel (black oxide coated)
- Tip: Carbide tipped (G2)

FEATURES

- Attach to the jaw of calipers for accurate scribing

ACCESSORIES

- Hex wrench

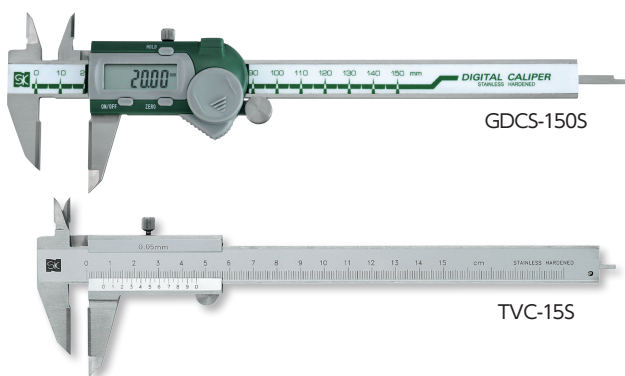
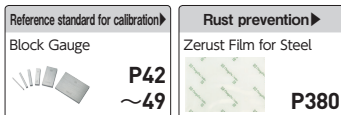
Order No.	Model No.	Applicable caliper size	Length (mm)	Groove Width (mm)	Weight
000111	N-10	100mm	36	3.5	100g
000112	N-20	150-200mm	43	4	200g
000113	N-30	250-300mm	72	4.5	500g
000116	N-60	500-600mm	98	7	1.1kg

SCRIBING VERNIER CALIPER



For high precise scribing

※ Please refer to Page 184 for dimensions or detailed specifications for this item



USE

- Outside diameter, inside diameter, step and depth measurement, and also scribing

MATERIAL

- stainless steel

FEATURES

- Carbide-tipped measuring faces

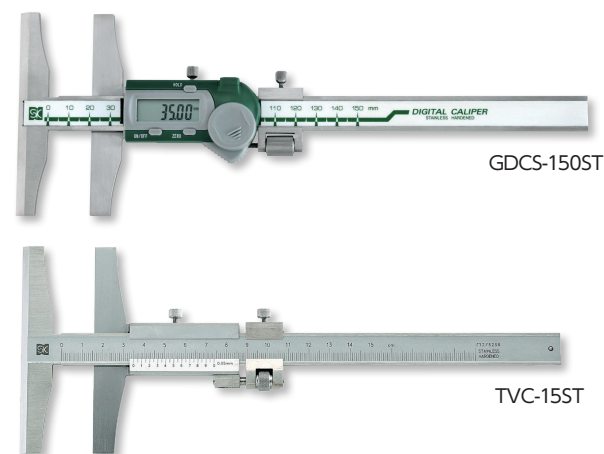
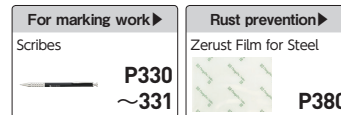
Order No.	Model No.	Measuring Range (mm)	Resolution (mm)	Weight
NEW! 151983	GDCS-150S	0 ~ 150	0.01	170g
151279	TVC-15S	0 ~ 150	0.05	150g

SCRIBING VERNIER CALIPER



For high precise scribing

※ Please refer to Page 142 for dimensions or detailed specifications for this item



USE

- Measures distance from caliper base to scribe edge

MATERIAL

- Stainless steel

ACCESSORIES

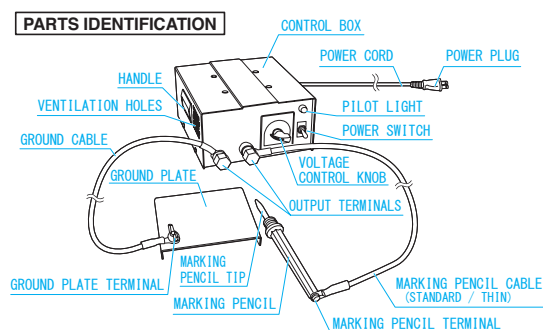
- Carbide tip scriber SC-P

Order No.	Model No.	Measuring Range (mm)	Resolution (mm)	Weight
NEW! 151995	GDCS-150ST	0 ~ 150	0.01	295g
NEW! 151996	GDCS-300ST	0 ~ 300	0.01	360g
151803	TVC-15ST	0 ~ 150	0.05	240g
151804	TVC-30ST	0 ~ 300	0.05	370g

ELECTRIC MARKING / ENGRAVING PENCIL

100V

For marking and engraving on work tools to organize



USE

- Iron, steel, hard metal marking

MATERIAL

- Body: steel

FEATURES

- Marking or engraving on conductive metal and hardened metal. The harder, the clearer marking.
- Alloy tip has superior abrasion resistance and electrical conductance
- Cable with fine marking pen included for engraving smaller letters (engraving power is weaker since current lessens)

SPECIFICATIONS

- Rated voltage: 100V
- Rated frequency: 50-60Hz
- Rated current: 4.2A
- Fuse: 5A (Diameter 6.4mm×Length 30mm)
- Power cord: 1.6m
- Product dimensions:
(H) 115×(W) 208×(D) 257mm
- Accessories includes:
Cable with marking pen (approx. 1m)
Cable with fine marking pen (approx. 1m)
Grounding plate, Ground cable (approx. 1m)

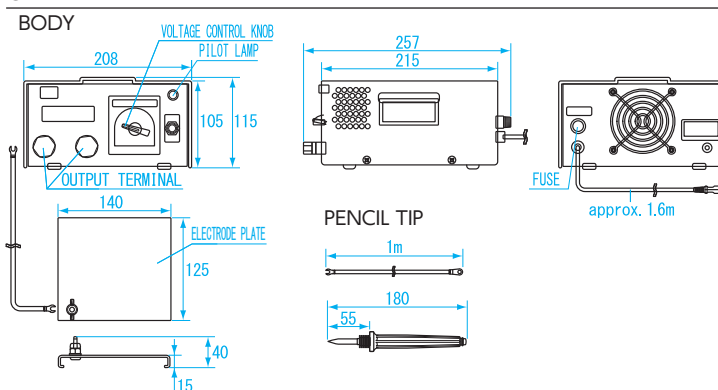
[Application Table] (○...engrivable ×...not engrivable)

Iron	Steel	Stainless Steel	Hardness Steel	Copper	Aluminum	Carbide
○	○	○	○	×	×	×

※ Black oxide coated can not be marked because of poor conductance

● OUTLINE DIMENSIONS

Unit: mm



Order No.	Model No.	Weight
011716	EP-A3	6.5kg (includes accessories)

REPLACEMENT TIP FOR EP-A3



EPC-P (Copper alloy)

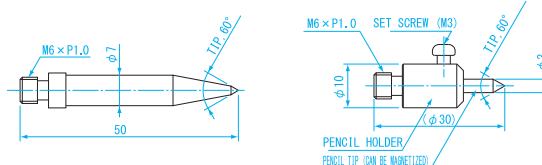


EPC-T (Tungsten)

PENCIL TIP
Reversible

● OUTLINE DIMENSIONS

Unit: mm



USE

- Replacement tip for ELECTRIC MARKING / ENGRAVING PENCIL EP-A3

FEATURES

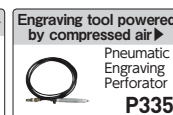
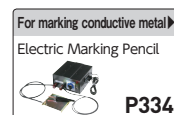
- EPC-P: Standard tip supplied with EP-A3
- EPC-T: Excellent abrasion resistance, pointed on both ends

Order No.	Model No.	Material	Weight
011720	EPC-P	Copper alloy	13g
011724	EPC-T	Tungsten	10g

HANDY ELECTRIC MARKING / ENGRAVING PEN

For marking and engraving on work tools to organize

100v



USE

- Marking on steel, aluminum, brass, plastic, copper, glass, stone, wood

MATERIAL

- Body: Nylon resin
- Tip: Hard metal (G2)
(Optional tip available)

FEATURES

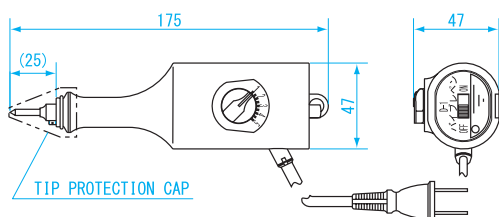
- Adjustable vibration (5 steps)
- With Template

SPECIFICATIONS

- Rated voltage: AC100V
- Rated frequency: 50/60Hz
- Rated power consumption: 7W
- Power code: 1.9m
- BitTip angle: 60°
- Hardness limit of marking object: Less than HV510

● OUTLINE DIMENSIONS

Unit: mm



【Application Table】 (○...engrivable / ×...not engrivable)

Plastic	Glass	Non ferrous metal	Iron	Hardened steel (Less than HV510)	Stainless steel	Carbide
○	○	○	○	○	○	×

Order No.	Model No.	Weight
011700	D-1	295g

■ PENCIL TIP for D-1

Order No.	Weight
011701	3g

PUNCH

SCRIBER

POWER SCRIBER

DIVIDER

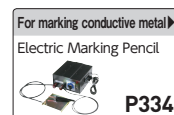
CALIPER

SURFACE GAUGE



PNEUMATIC ENGRAVING PERFORATOR

Air engraving pen powered by compressed air



USE

- Excellent for engraving metal, processed goods, cutlery, glass etc.
- For engraving on non ferrous metals
- For removing debris from hole or detailed part on iron castings

MATERIAL

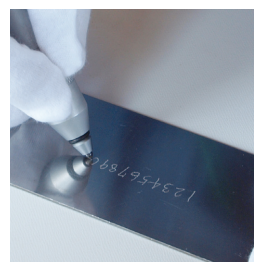
- Bit: Carbide

FEATURES

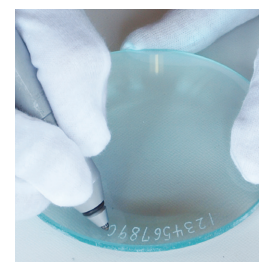
- Super speridic of 500 pulses per sec. or above for deeper and clearer engraving
- Hard-to-slip and easier-to-engrave by speridic
- Can engrave hardened materials (less than HV510)

SPECIFICATIONS

- Air pressure: 0.4~0.7 MPa



for metal



for glass

【Application Table】 (○...engrivable / ×...not engrivable)

Plastic	Glass	Non ferrous metal	Iron	Hardened steel (Less than HV510)	Stainless steel	Carbide
○	○	○	○	○	○	×

Order No.	Model No.	Weight
011751	AP-03	250g

■ PENCIL TIP for AP-03

Order No.	Model No.	Weight
011752	AP-PH3	4g



HOW TO MOVIE

CARBIDE TIP FIRM JOINT HERMAPHRODITE CALIPER

For scribing lines at a specific distance from the edge. Carbide tipped.



FHC-150

USE

- For scribing lines at a specific distance from the edge

MATERIAL

- Body: Carbon steel (black oxide coated)
- Tip: Carbide tipped (G2)

FEATURES

- Carbide tips for scribing on glass or hardened steel
- Riveted construction

Order No.	Model No.	Nominal Size (mm)	Length (mm)	Thickness (mm)	Weight
000705	FHC-150	150	161	2	70g
000707	FHC-200	200	212	2.2	100g

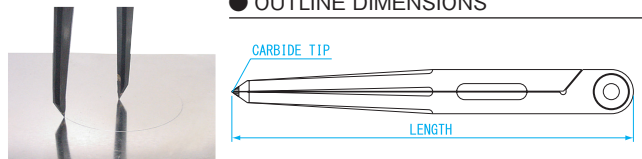
CARBIDE TIP FIRM JOINT DIVIDER

Long-use by crimping when loosens



TFD-150

● OUTLINE DIMENSIONS



USE

- Scribing circles and dividing distance

MATERIAL

- Body: Carbon steel (black oxide coated)
- Tip: Carbide tip (G2)

FEATURES

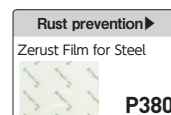
- Carbide tips for scribing on glass or hardened steel
- Riveted construction with pin and washer

※ Compass circle is approx. diameter of circle transcribed with jaws open 45° angle

Order No.	Model No.	Length (mm)	Compass Circle (mm)	Weight
000403	TFD-100	100	150	70g
000405	TFD-150	150	230	140g
000407	TFD-200	200	300	260g
000408	TFD-250	250	380	350g
000409	TFD-300	300	460	510g

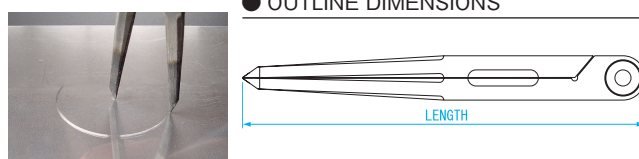
FIRM JOINT DIVIDER

Yarnished finish for anti-rust



FD-150

● OUTLINE DIMENSIONS



USE

- For scribing circles, and dividing distances

MATERIAL

- Body: Carbon tool steel for machine use
- Tip: Hardened tip

FEATURES

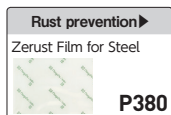
- Hardened tip for clear scribing
- Construction: Riveted with washer

※ Compass circle is approx. diameter of circle transcribed with jaws open 45° angle

Order No.	Model No.	Length (mm)	Compass Circle (mm)	Weight
000503	FD-100	100	150	58g
000505	FD-150	150	230	135g
000507	FD-200	200	300	239g
000508	FD-250	250	380	340g
000509	FD-300	300	460	440g

INSIDE CALIPER

For taking inner diameter



IC-150

USE

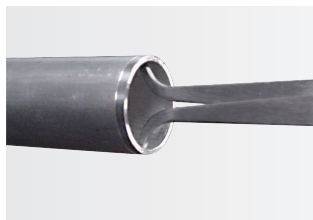
- For taking inner diameter and groove dimensions

MATERIAL

- Cold rolled steel

FEATURES

- Accurate copying dimensions to ruler by smooth opening and closing



Order No.	Model No.	Length (mm)	Thickness (mm)	Weight
001105	IC-150	150	1.6	50g
001107	IC-200	200		70g
001131	IC-300J	300		150g
001132	IC-400J	400	3.2	400g
001133	IC-500J	500		550g
001134	IC-600J	600		660g

OUTSIDE CALIPER

For taking outside diameter of tubes or round objects



OC-150

USE

- For copying outside diameter and thickness of round objects

MATERIAL

- Cold rolled steel

FEATURES

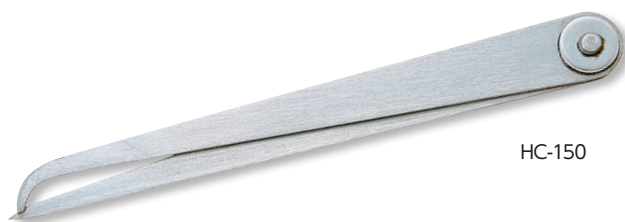
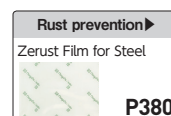
- Accurate copying dimensions to ruler by smooth opening and closing



Order No.	Model No.	Length (mm)	Thickness (mm)	Weight
001205	OC-150	150	1.6	50g
001207	OC-200	200		70g
001231	OC-300J	300		170g
001232	OC-400J	400	3.2	500g
001233	OC-500J	500		700g
001234	OC-600J	600		800g
001236	OC-1000J	1000	4.2	2,050g

HERMAPHRODITE CALIPER

For scribing lines at a specific distance from the edge



HC-150

USE

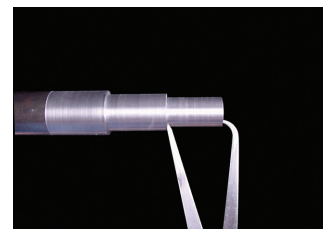
- For scribing lines at a specific distance from the edge

MATERIAL

- Cold rolled steel

FEATURES

- Smooth opening and closing, scribing on steel, brass and aluminum



Order No.	Model No.	Length (mm)	Thickness (mm)	Weight
001305	HC-150	150	1.6	50g
001307	HC-200	200		70g

PUNCH

SCRIBER

POWER

SCRIBER

DIVIDER

CALIPER

SURFACE
GAUGE

DIVIDER (SPRING TYPE)

For taking dimensions and scribing circles by fine adjustment



SD-150

USE

- Scribing circles, and dividing distance

MATERIAL

- Body: Carbon tool steel

FEATURES

- Hardened tip
- Opening/closing screw is centrally located in the legs to assure sensitive and smooth action

Order No.	Model No.	Nominal Size (mm)	Length (Tip to Pivot Center)	Thickness (mm)	Weight
000805	SD-150	150	150mm	3.2	90g
000807	SD-200	200	200mm		115g

INSIDE CALIPER (SPRING TYPE)

For taking inner diameter by fine adjustment



SI-150

USE

- For taking inner diameter and groove dimensions

MATERIAL

- Body: Carbon tool steel

FEATURES

- Set to proper dimension, and move to ruler for measurement
- Opening/closing screw is centrally located in the legs to assure sensitive and smooth action

Order No.	Model No.	Nominal Size (mm)	Length (Tip to Pivot Center)	Thickness (mm)	Weight
000905	SI-150	150	150mm	3.2	95g
000907	SI-200	200	200mm		120g

OUTSIDE CALIPER (SPRING TYPE)

For taking outside diameter of pipe and round objects by fine adjustment



SO-200

USE

- For taking outside diameter and thickness of round objects

MATERIAL

- Body: Carbon tool steel

FEATURES

- Set to proper dimension, and move to ruler for measurement
- Opening/closing screw is centrally located in the legs to assure sensitive and smooth action

Order No.	Model No.	Nominal Size (mm)	Length (Tip to Pivot Center)	Thickness (mm)	Weight
001005	SO-150	150	150mm	3.2	85g
001007	SO-200	200	200mm		105g

COMBINATION CALIPER WITH METRIC GRADUATIONS

For measuring outside diameter, inner diameter and thickness, and taking dimensions as tips can be crossed



GCC-150

USE

- OD, ID, Thickness and groove measurement

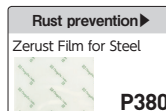
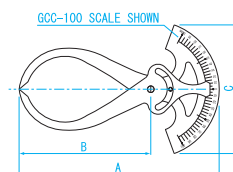
MATERIAL

- Stainless steel (hardened tip)

FEATURES

- Graduated in millimeters from the center by photo etching on the head of the calipers
- Combination calipers are engineered for measuring both inner and outer diameters

● OUTLINE DIMENSIONS



Unit: mm

Model No.	A	B	C	Thickness
GCC-100	152	100	98	1.5
GCC-130	196	130	125	
GCC-150	225	150	143	
GCC-200	300	200	190	2.0
GCC-250	367	250	210	
GCC-300	450	300	268	
GCC-350	500	350	272	2.5
GCC-400	600	400	360	
GCC-500	900	600	545	3.0
GCC-600				

Order No.	Model No.	Nominal Size (mm)	Graduation (mm)	Accuracy (mm)	Weight
002003	GCC-100	100	1	± 0.5	70g
002004	GCC-130	130			110g
002005	GCC-150	150			155g
002007	GCC-200	200			340g
002008	GCC-250	250			485g
002009	GCC-300	300			700g
002010	GCC-350	350			770g
002011	GCC-400	400			1040g
002013	GCC-500	500			2550g
002014	GCC-600	600			2600g

PUNCH

SCRIBER

POWER SCRIBER

DIVIDER

CALIPER

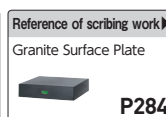
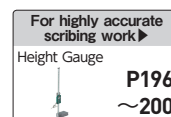
SURFACE GAUGE



TOOL MARKER SURFACE GAUGE



TSG-150C



USE

- Alignment work, scribing on steel

MATERIAL

- Scribe: Carbon tool steel (hardened scribe tip)
- Base: Cast iron

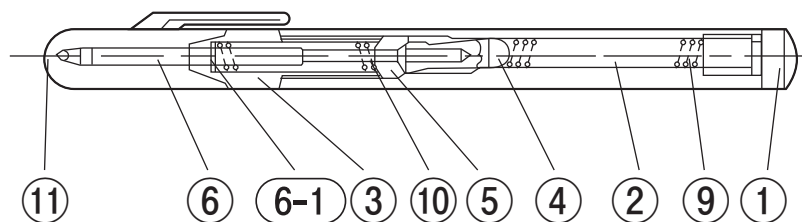
FEATURES

- Scribe height can be easily adjusted by sliding up or down in slotted hole

Order No.	Model No.	Nominal Size (mm)	Scribe Length (mm)	Length (mm)	Base Length (mm)	Base Width (mm)	Base Height (mm)	Weight
151188	TSG-150C	150	130	150	70	45	23	505g
151189	TSG-200C	200	170	200				560g
151190	TSG-300C	300	265	300	80	55	25	750g

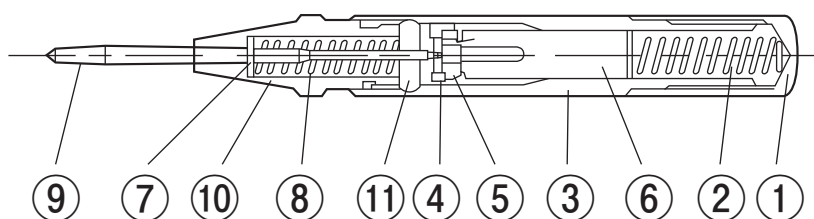
AUTOMATIC PUNCH PARTS DRAWINGS

Automatic Center Punch S

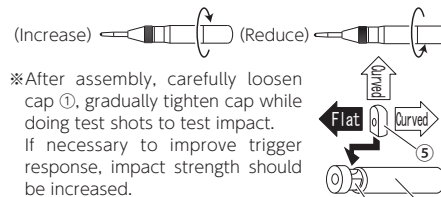


Parts No.	Parts Name	Parts No.	Parts Name	Parts No.	Parts Name
①	PORT CAP	⑤	ECCENTRIC GUIDE	⑨	MAIN SPRING
②	HAMMER GUIDE	⑥	MARKER ROD	⑩	RETURN SPRING
③	PILOT CAP	⑥-1	E-RING	⑪	CAP
④	HAMMER				

Automatic Center Punch M

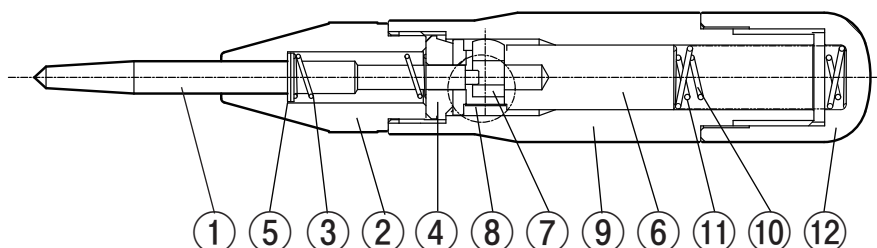


●Impact strength adjustment (AP-S • AP-M • AP-M2)



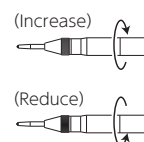
Parts No.	Parts Name	Parts No.	Parts Name	Parts No.	Parts Name
①	CAP	⑤	TRIGGER	⑨	MARKER ROD
②	MAIN SPRING	⑥	HAMMER	⑩	PILOT CAP
③	TRIGGER GUIDE	⑦	E-RING	⑪	GUIDE ROD
④	SPRING TRIGGER	⑧	RETURN SPRING		

Automatic Center Punch L



●Impact strength adjustment

※After assembly, carefully loosen cap ⑫, gradually tighten cap while doing test shots to test impact. If necessary to improve trigger response, impact strength should be increased.



Parts No.	Parts Name	Parts No.	Parts Name	Parts No.	Parts Name
①	MARKING ROD	⑤	E-RING	⑨	TRIGGER GUIDE
②	PILOT CAP	⑥	HAMMER	⑩	MAIN SPRING
③	RETURN SPRING	⑦	TRIGGER	⑪	SUB SPRING
④	GUIDE ROD	⑧	SPRING TRIGGER	⑫	CAP