

220USB Rechargeable BALL GRIP Screwdriver

Electric & Manual Screwdrivers make progress.



IMPACT BALL Torsion Bit(1 pc)

⊕ PH2x90mm

⬡ H6.35mm

Electric
Output
2.0
N·m

No-load Speed
280min⁻¹

Manual Torque
up to **10N·m**

220USB Rechargeable BALL GRIP Screwdriver

The overwhelmingly easy-to-use Ball-grip Screwdriver has achieved a significant evolution. New proposals for electrically power assisted products incorporating a lithium ion battery and motor. Furthermore, aiming for the ultimate ease-of-use.

USB Recharge

Easy to recharge via USB port.



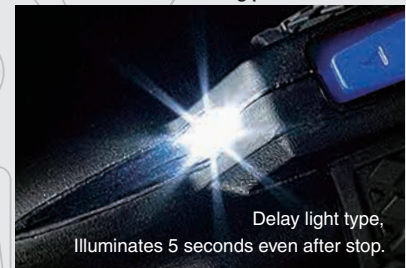
Micro USB type B

High Brightness

LED light

Illuminates in a dark working place.

LED



Delay light type,
Illuminates 5 seconds even after stop.

Sleeve Chuck

Both double-end and single-end bit can be used.



Highly durable gear
built-in.

9.5mm

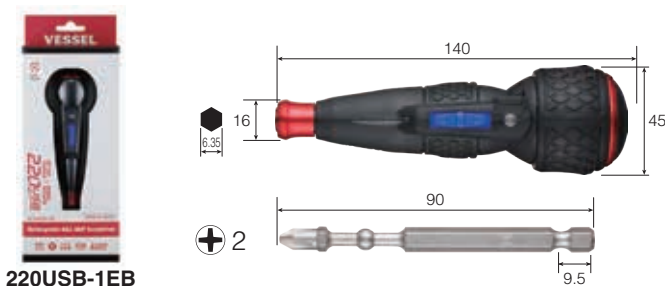
9mm

Rechargeable Ball-Grip Screwdriver

220USB-1EB

- Electric motor for quick tightening and Manual for final tightening.
- With high brightness LED light.
- Built in USB rechargeable Li-ion battery (3.6V-800mAh).
- Supports Hex 6.35mm Type-B bit.

RoHS



220USB-1EB

Code No.	Model No.	Set Content	Package Size (mm)	JAN (4907587)
148518	220USB-1EB	Type-B bit $\oplus 2$ (90mm), USB charging cable (USB Type B/1m)	250×105×75	029881

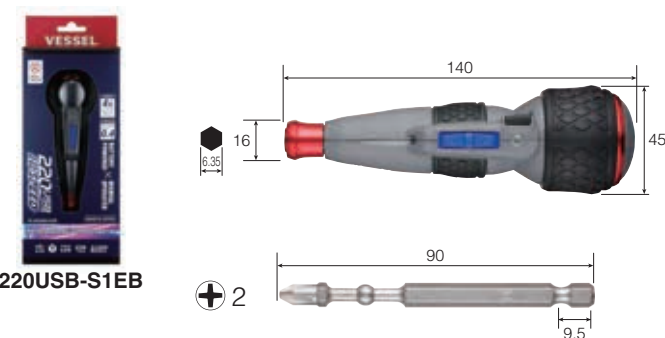
SPQ: 5 sets

High Speed Rechargeable Ball-Grip Screwdriver

220USB-S1EB NEW

- No-load rotation speed 1,200rpm.
- With high brightness LED light.
- Built in USB rechargeable Li-ion battery (3.6V-800mAh).
- Supports Hex 6.35mm Type-B bit.

RoHS



220USB-S1EB

Code No.	Model No.	Set Content	Package Size (mm)	JAN (4907587)
148519	220USB-S1EB	Type-B bit $\oplus 2$ (90mm), USB charging cable (USB Type B/1m)	250×105×75	029898

SPQ: 5 sets

Replacement Bit for the 220USB (Type-A bit)

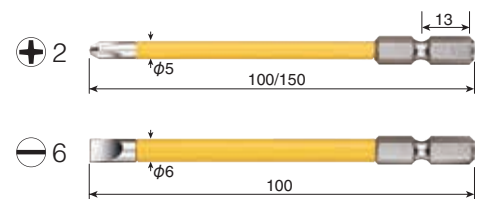
USB16

- Slim shank type, with tube, not damaging terminal blocks.

RoHS

MG

Extra Superalloy



Code No.	Model No.	Content	Card Size (mm)	JAN (4907587)
485801	USB161100	$\oplus 1 \times \phi 4.5 \times 100$	160×35×8	007704
485802	USB162100	$\oplus 2 \times \phi 5 \times 100$	160×35×8	007711
485803	USB162150	$\oplus 2 \times \phi 5 \times 150$	180×35×8	007728
485804	USB163100	$\oplus 3 \times \phi 6 \times 100$	160×35×8	007735
485805	USB166100	$\ominus 6 \times \phi 6 \times 100$	160×35×8	007742

⚠ Cautions

These products are not insulated bits. For safety, cut off electricity before use. Shaft cover is provided to prevent short circuits just in case; do not use if scratched, damaged, deteriorating, etc.

SPQ: 10 pcs.

Replacement Bit w/Hex Bolster for the 220USB (Type-A bit)

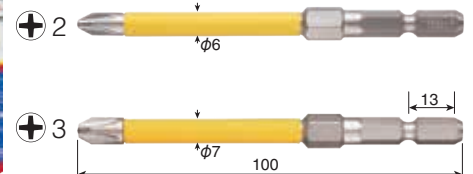
USB16

- Slim shank type, with tube, not damaging terminal blocks.
- With a hexagon bolster (width across-flats 8mm) to use with a wrench.

RoHS

MG

Cr-V Mo Steel



USB162100S8 USB163100S8

Code No.	Model No.	Content	Card Size (mm)	JAN (4907587)
485807	USB162100S8	$\oplus 2 \times \phi 6 \times 100$	160×35×8	026552
485806	USB163100S8	$\oplus 3 \times \phi 7 \times 100$	160×35×8	015822

⚠ Cautions

These products are not insulated bits. For safety, cut off electricity before use. Shaft cover is provided to prevent short circuits just in case; do not use if scratched, damaged, deteriorating, etc.

SPQ: 10 pcs.

Socket Adapter w/Hex Bolster for 220USB (Type-A bit)

USBBSQ NEW

- Socket adapter that can also be used with the 220USB (Type-A).
- The hexagonal bolster can be handled with 10mm wrench.



USBBSQ2S10 USBBSQ3S10

Code No.	Model No.	Hex bolster Width A/F (mm)	Socket mounting SQ	ϕD Overall Length (mm)	Card Size (mm)	JAN (4907587)
485809	USBBSQ2S10	10	1/4	13 58	160×35×15	030689
485810	USBBSQ3S10	10	3/8	13 58	160×35×15	030696

SPQ: 10 pcs.

HAND TOOLS

INDUSTRIAL BITS

CONSTRUCTION BITS

RECIPROCATING SAW BLADES

ELECTRIC TOOLS

AIR TOOLS

AIR NIPPERS

STATIC SOLUTIONS

GASOLINE ENGINE TOOLS

Bit Holder w/Hex Bolster

USBH1S10 NEW

- Bit holder that can also be used with the 220USB (Type-A bit).
- The hexagonal bolster can be handled with 10mm wrench.



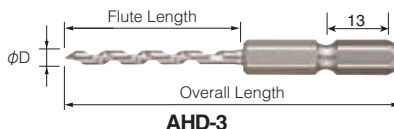
Code No.	Model No.	Hex bolster Width A/F (mm)	Bit mounting (mm)	Outer Dia. (mm)	Overall Length (mm)	Card Size (mm)	JAN (4907587)
485808	USBH1S10	10	6.35	φ13	69	160×35×15	030672

SPQ: 10 pcs.

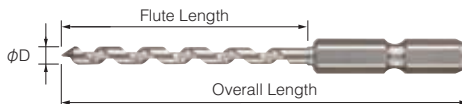
Pilot Hole Drill Bit

AHD NEW

- Can also be used with 220USB (Type-A bit).
- Reverse-taper spiral shape with low drilling load.
- Rust-resistant with electroless nickel plating, smooth sliding to prevent clogging of wood chips.
- Cutting edge design enables easy control of drill feed rate.



AHD-3



AHD-4

Code No.	Model No.	φD	Flute Length	Overall Length (mm)	Card Size (mm)	JAN (4907587)
462901	AHD-3	2.8	30	65	160×35×8	028051
462902	AHD-4	3.6	45	80	160×35×8	028068

SPQ: 10 pcs.

Screwdriver Holder

TPH-10 NEW

- Holds 1 screwdriver and 2 replaceable bits.
- The 220USB can be recharged while it is stowed.
- Belt loop supports belts up to 60mm wide.
- With metal hook for one-touch attachment.
- With D-rings.



Code No.	Model No.	Weight (g)	Body Size (mm)	JAN (4907587)
148701	TPH-10	168	260×85×50	028167

Screwdriver & Plier Holder

TPH-40 NEW

- Holds 2 screwdrivers and 2 pairs of pliers.
- The 220USB can be recharged while it is stowed.
- Belt loop supports belts up to 60mm wide.
- With metal hook for one-touch attachment.
- With D-rings



Code No.	Model No.	Weight (g)	Body Size (mm)	JAN (4907587)
148702	TPH-40	200	250×120×50	028174

Screwdriver Pouch

TPB-10 NEW

- Holds 1 screwdriver, 2 pairs of pliers, and license cards.
- Can store tape measure, cell phone, digital camera, etc.
- The screwdriver holder is also good for the 220USB.
- With D-rings.



Code No.	Model No.	Weight (g)	Body Size (mm)	JAN (4907587)
148703	TPB-10	315	230×140×60	028181

Screwdriver Case

TPC-10 NEW

- Compact storage of the 220USB, its charger, and bits (5pcs.).
- EVA molded cushion case reduces impact.
- With D-rings.



Popular Ball-Grip shaped charm



Code No.	Model No.	Weight (g)	Body Size (mm)	JAN (4907587)
148704	TPC-10	125	220×65×80	028198

ONE POINT

Tool pouch is optimized for
Rechargeable Ball-Grip Screwdriver®!

2-way attachment

(for TPH-10/TPH-40/TPB-10)
With metal hook for one-touch attachment

*Hook is a simple shape.
Use the belt loop
to prevent drop accidents.

With D-rings

(for TPH-10/TPH-40/TPB-10)
Fall prevention wires, carabiners,
etc. can be mounted.

Diagonal cut

(for TPH-10/TPH-40/TPB-10)
Screwdrivers can be
pulled out smoothly.

Belt loop

*Supports belts up to 60mm wide.

Mesh structure

(for TPH-10/
TPH-40)
Chargeable with the 220USB stowed.

Compared to commercial products, the
temperature rise of the holder is small. This
can improve the battery life of the 220USB.

Rechargeable Ball-Grip Screwdrivers

Anti-drop Cord

| SC-W90 **NEW**

- Extended length from 900mm to 1600mm.
- Mounting weight 1kg or less.
- Strap type easily threaded through holes.
- Anti-expansion shape less likely to snag.



Approx. 440mm

SC-W90K SC-W90R SC-W90B SC-W90D

Code No.	Model No.	Color	JAN (4907587)
125581	SC-W90K	Black	030634
125582	SC-W90R	Red	030641
125583	SC-W90B	Blue	030658
125584	SC-W90D	OD	030665

SPQ: 10 pcs.

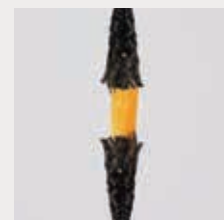
Overall Length	Approx. 440mm
Maximum Extension	Approx. 1600mm
Single Unit Size	520×48×17mm

ONE POINT

| SC-W90

**Strap uses high-strength, high-elasticity
aramid fiber.**

Strap type anti-drop cord
threads through holes easily.
Strap part uses friction- and
tension-resistant aramid fiber.



**Time to replace the cord when the different
color fiber appears.**

The cord uses a dual structure, with
yellow fiber appearing when wear
progresses.
The replacement period is visually clear,
enabling to use with peace of mind.



HAND TOOLS





Cushion Grip Screwdrivers	10 - 15
MEGADORA Series	16 - 18
Plastic Grip Screwdrivers	19 - 24
Eco-friendly Screwdrivers	25 - 26
Wooden Handle Screwdrivers	27 - 28
Non-Slip Screwdrivers	29 - 33
Precision Screwdrivers	34 - 37
Functional Screwdrivers	38 - 43
Voltage Detection Screwdrivers/Impact Drivers	44 - 45
Hex Wrenches	46 - 50
TORX Wrenchs/TORX Screwdrivers	51 - 54
Specialized Tools	55 - 59

HAND TOOLS

Cr-V.
steel
Cr-V Mo
steel

Shank Types

Good precision and durability nurtured in assembly lines. Chrome vanadium steel that improves the shank strength.

Cr (chromium): hardens the tip.
V (vanadium): makes the tip tough.
Mo (molybdenum): improves strength, hardness, and even toughness.

Precision shank

This is for precision small screws whose thread diameter is 1 to 3 mm.

Slim shank

This is a long slender shank to avoid interference even in a narrow area.

Standard shank

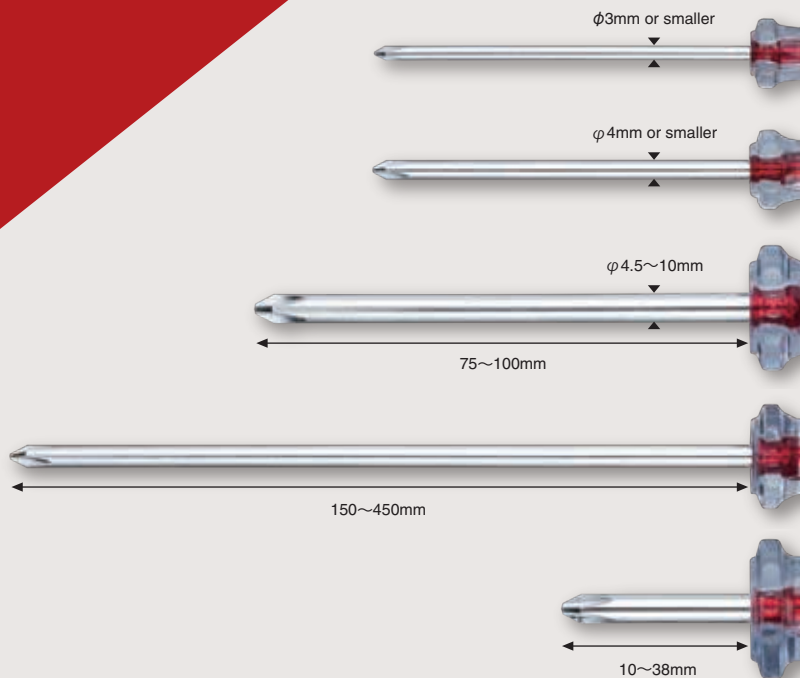
It has a popular shank diameter and length based on various standards.

Long shank

This is suitable for screw tightening in deep and narrow areas.

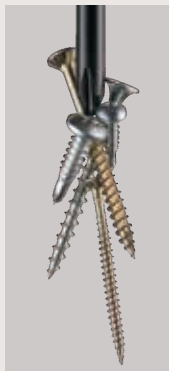
Stubby shank

This is a short shank suitable for work in a confined area.



Magnetized Tip-End

The tip-end is strongly magnetized to capture screws for better work efficiency.



JAWSFIT®

NEW JAWSFIT®

Fine protrusions are added to the bit tip-end by special machining. These protrusions bite firmly into the screw head recess and prevents cam-out of the bit.

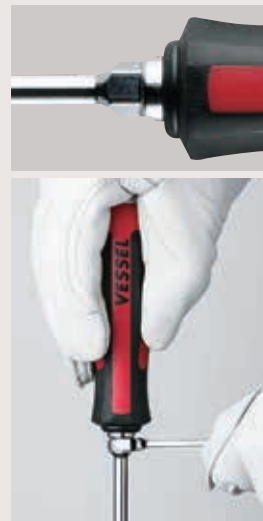
Black point®

The tip-end with the black oxide finishment is insensitive to the effect of a plating layer thickness and highly precise.



Hexagon bolster

Enables to use a spanner, etc. to retighten screws or loosen stuck screws.





Standard type

The shank end is in the handle. Since there is no metal part protruding from the handle, it is electrically safe.



Tang-thru type

Good for a position adjustment and a screw-hole modification since the shank is through the handle.



CAUTION

Safety icons are printed for easy identification. (Applying on a product basis in a stepwise manner)



Taper shape

Can smoothly take out of a tool holder. Popular design for working with electrical equipment.



Rolling prevention

Having a shape avoiding rolling over, which has also been widely adopted by overseas screwdrivers.



Cushion

Elastomer is integrally molded on the exterior of the grip. Elastic grip generates big tightening force.

» 10



Ergonomics design

For efficient screw tightening, the palm shapes and improved operability with fingertips are taken into account when designing the grip.

» 16
» 19



Wood handle

A long seller grip made of air-dried natural wood. It fits the palm of the hand as the tool is used longer.

» 27



Non-slip

"Wood resin" made of 70% wood powder is injection-molded by our unique technology. Outstanding non-slip effect.

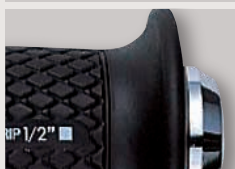
» 29



Precision use

Designed to transmit a minute force efficiently. Intended for precision work

» 34



Other functional grips

A ratchet screwdriver allowing screw tightening to be made by mere repetition of wrist movement: an impact screwdriver used to undo a rusted or stuck screw, etc.

» 38

RoHS

Environmental Measures

Pb (lead) / Cd (cadmium) / Hg (mercury) /
Hexavalent chromium / PBB (polybrominated biphenyl) /
PBDE (polybrominated diphenyl ether) /
DEHP, BBP, DBP, DIBP (phthalate esters)

The products with this mark in this catalogue are compliant with the RoHS directives (EU) (usage limit of the above 10 substances).

Note) For the updated information on RoHS compliant products, visit our homepage, because some products or sizes are under investigation or are not compliant at the time of publication of this catalogue.

220 series

Ball-Grip Screwdriver

The very Long Life Design products, supporting the changing times and society.

LONG LIFE DESIGN



Used until the grip was worn out.

220

Ball-Grip Screwdriver

Released in 1984 by inheriting the design of the "screwdriver for electrical work" of the 1930's. This enables to turn while pressing down, reduces fatigue by 20% compared to ordinary screwdrivers. In recognition of its evolution in response to changes in the environment and market, the product received the Long Life Award in 2021.

<https://www.g-mark.org/award/describe/52990>



1930 No.200/210

Screwdriver for electrical work (wooden handle)



1984 No.220

Ball-Grip Screwdriver



1990 No.225

Ball-Grip Screwdriver (With covered shank)



1994 No.230

Ball-Grip Tang-Thru Screwdriver



2000 No.220F

Free-Turning Ball Grip Screwdriver



2012 No.220W

Ball Grip (Bit-replaceable grip)



2014 No.250

Tang-Thru Screwdriver



2015 No.210ST

Slim Free-Turning Ball Grip Screwdriver for electrical work



2015 No.2200

Ball Ratchet Screwdriver



2017 No.230

Ball Grip (Bit-replaceable Tang-Thru grip)



2018 No.220USB-1

Rechargeable Ball-Grip Screwdriver



2020 No.200

Ball-Grip Insulated Screwdriver



2021 No.220USB-S1

High Speed Rechargeable Ball-Grip Screwdriver

Ball-Grip Insulated Screwdriver I 200

- Passed 7 strict tests (IEC60900) required for VDE certification.
- Shank cover prevents short-circuit accidents, and the slim design is convenient for terminal block work.
- Cushion grip. Grip-end with a dent of $\oplus$ or $\ominus$ to recognize the type by touch.

RoHS

MG

Cr-V steel



Code No.							Inner Ctn.	Outer Ctn.	JAN (4907587)
125841	$\ominus$ 5 × 0.8 × 75	5.0	0.8	75	5	32	150	6 60	007544
125842	$\ominus$ 6 × 1.0 × 100	6.0	1.0	100	6	41	189	6 60	007551
125843	$\ominus$ 6 × 1.0 × 150	6.0	1.0	150	6	41	239	6 60	007568
125844	$\oplus$ 1 × 75	$\oplus$ No.1	75	5	32	150	6 60	007575	
125845	$\oplus$ 2 × 100	$\oplus$ No.2	100	6	41	189	6 60	007582	
125846	$\oplus$ 2 × 150	$\oplus$ No.2	150	6	41	239	6 60	007599	
125847	$\oplus$ 3 × 150	$\oplus$ No.3	150	6	41	239	6 60	007605	

Ball Ratchet Screwdriver I 2200

- 36-tooth gear ratchet built-in. Smooth working with fine tuning.
- Shank cover prevents short circuits. Thin shank is convenient for terminal block work.
- Fully-hardened shank. Replacement blade is available as option.



MG

Cr-V steel



Code No.							Inner Ctn.	Outer Ctn.	JAN (4907587)
125395	$\ominus$ 6 × 100	6.0	0.8	100	6.0	41	200	6 60	105042
125396	$\ominus$ 6 × 150	6.0	0.8	150	6.0	41	250	6 60	105059
125345	$\oplus$ 2 × 100	$\oplus$ No.2	100	6.0	41	200	6 60	105011	
125346	$\oplus$ 2 × 150	$\oplus$ No.2	150	6.0	41	250	6 60	105028	
125347	$\oplus$ 3 × 150	$\oplus$ No.3	150	6.0	41	250	6 60	105035	

Caution

This is not an insulated screwdriver. For safety, shut off power supply before use.

Ball Ratchet Screwdriver Replacement Blade I 2200B

- Fully-hardened shank.
- Can be replaced by pulling out the ball-grip part of No.2200.

MG

Cr-V steel



Code No.							Inner Ctn.	Outer Ctn.	JAN (4907587)
125397	$\ominus$ 6 × 100	6.0	0.8	100	6.0	158	6 60	105158	
125398	$\ominus$ 6 × 150	6.0	0.8	150	6.0	208	6 60	105165	
125348	$\oplus$ 2 × 100	$\oplus$ No.2	100	6.0	158	6 60	105110		
125349	$\oplus$ 2 × 150	$\oplus$ No.2	150	6.0	208	6 60	105127		
125350	$\oplus$ 3 × 150	$\oplus$ No.3	150	6.0	208	6 60	105134		

ONE POINT I 200



For prevention measures of electric shock and short-circuit accidents during electrical work.
Insulated screwdriver certified by the International certification authority.

1000V AC or less, 1500V DC or less

D'E

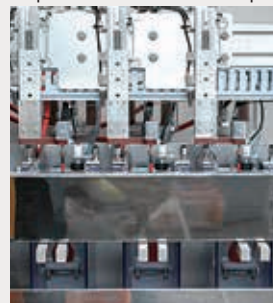
GS

1000V

IEC60900

VDE is an authorized third-party certification organization in Europe.

Reliable - Energization (Dielectric) Inspection conducted for all pieces.



Stepless slim tip shape, making it easy to work in tight spaces.
(Note) The shank diameter of -5 and +1 is 5 mm.



The tip-end supports connection terminals.

ONE POINT I 2200 I 2200B

Shanks are detachable from the ratchet part
The blade can be replaced with a one-touch operation.



Ratchet part is also non-conductive

If the ratchet is set in fixed mode, it can be used as screwdriver with shank cover for electrical work.
Especially good for work with distribution boards.

Ball Grip (Bit-replaceable grip) | 220W

- Compatible with H6.35mm drive bit. Can be used as a familiar Ball-Grip screwdriver.

RoHS



Code No.	Model No.	Grip size	Package size (mm)	JAN (4907587)
125344	220W	length 100mm dia. 41mm	145×50×43	075642

Inner Ctn.: 10 sets

Combi Plus Screwdriver | 220W-123

- Compatible with H6.35mm drive bit. Can be used as a familiar Ball-Grip screwdriver.
- 3 sizes are combined into one bit. Can be used for most of Phillips screws commonly used.

RoHS



Code No.	Model No.	Contents	Package size (mm)	JAN (4907587)
233073	220W-123	● Bit Interchangeable Ball-Grip ● Bit $\oplus 1 \cdot \oplus 3 / \oplus 2 \times 110$ mm	160×70×43	060969

Inner Ctn.: 10 sets

Ball-Grip (Bit-replaceable Screwdriver) | 220W-62

- Compatible with H6.35mm drive bit. Can be used as a familiar Ball-Grip screwdriver.
- Combination of slotted tip size for quick connection terminal such as outlet and frequently-used $\oplus 2$ in one bit.

RoHS



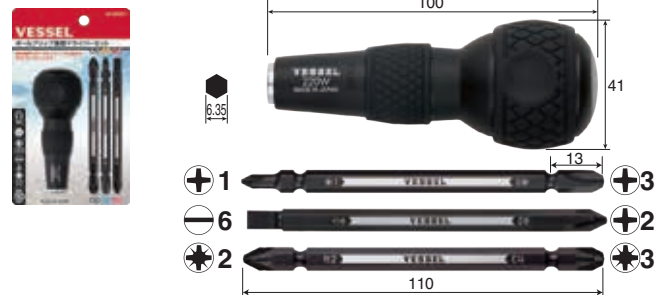
Code No.	Model No.	Contents	Package size (mm)	JAN (4907587)
233071	220W-62	● Bit-replaceable Ball-Grip ● Bit $\ominus 6 / \oplus 2 \times 110$ mm	160×70×43	060945

Inner Ctn.: 10 sets

Ball-Grip (Bit-replaceable Screwdriver Set) | 220W-3

- Compatible with H6.35mm drive bit. Can be used as a familiar Ball-Grip screwdriver.
- Convenient set includes in one pack 3 combi bits: a $\oplus 1 / \oplus 3$, a slotted that can be used for connection terminals and $\oplus 2$ that is often used, and a PZ2/PZ3 that is often used for assembling imported furniture and snowboard bindings.

RoHS



Code No.	Model No.	Contents	Package size (mm)	JAN (4907587)
233072	220W-3	● Bit-replaceable Ball-Grip ● Bit $\oplus 1 / \oplus 3, \ominus 6 / \oplus 2, PZ2 / PZ3 \times 110$ mm	153×93×41	060952

Inner Ctn.: 10 sets

Cushion Stubby (Bit-replaceable Grip) | 270BW

- Compatible with H6.35mm drive bit. Can be used as a familiar Ball-Grip screwdriver.
- Stubby type suitable for working in cramped places. Can be used with the H6.35mm bit for power tools.

RoHS



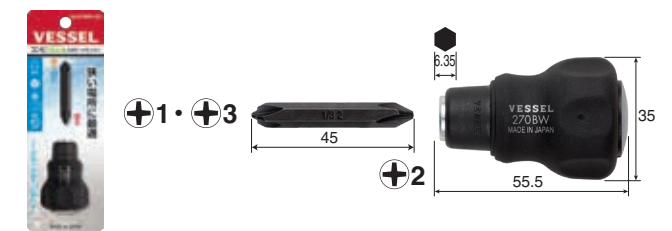
Code No.	Model No.	Grip size	Package size (mm)	JAN (4907587)
233074	270BW	length 55.5mm dia. 35mm	100×50×37	060976

Inner Ctn.: 10 sets

Combi Plus Stubby Screwdriver | 270BW-123

- Compatible with H6.35mm drive bit. Can be used as a familiar Ball-Grip screwdriver.
- Stubby type suitable for working in cramped places.
- 3 sizes are combined into one bit. Can be used with most of Phillips screws commonly used.

RoHS



Code No.	Model No.	Contents	Package size (mm)	JAN (4907587)
233076	270BW-123	● Bit-replaceable Cushion Stubby Grip ● Bit $\oplus 1 \cdot \oplus 3 / \oplus 2 \times 45$ mm	160×55×37	060990

Inner Ctn.: 10 sets

Cushion Stubby Bit-replaceable Screwdriver | 270BW-62

- Compatible with H6.35mm drive bit. Can be used as a familiar Ball-Grip screwdriver.
- Stubby type suitable for working in cramped places.
- Combination of slotted tip size for quick connection terminal such as outlet and frequently-used $\Phi 2$ in one bit.



Code No.	Model No.	Set Contents	Package size (mm)	JAN (4907587)
233075	270BW-62	● Bit-replaceable Cushion Stubby Grip ● Bit $\Phi 6 / \Phi 2 \times 45\text{mm}$	160×55×37	060983

Inner Ctn.: 10 sets

Ball Grip (Bit-replaceable Tang-Thru grip) | 230W

- Compatible with H6.35mm drive bit. Can be used as a familiar Ball-Grip screwdriver.
- Tang-thru screwdriver compatible with replaceable bits.
- 25mm large nut keeps hammering force from escaping.



Code No.	Model No.	Grip size	Package size (mm)	JAN (4907587)
125326	230W	length 100mm, dia. 41mm	145×50×43	105172

※When striking with a hammer, use the dedicated replacement bit

Inner Ctn.: 10 sets

>> See page 125.

ONE POINT | 220W | 270BW | 230W

Bits suitable for the bit-replaceable grip models.



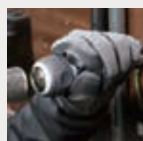
Bits with an overall length of 40mm or less cannot be used.



Bits with an overall length of 40mm or less cannot be used.



Bits with an overall length of 60mm or less cannot be used.



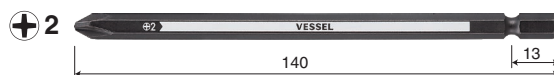
* When tapping, use a dedicated replacement bit. (230W only)



Caution
 ● Shut off power before use for safety purposes when using this product for electrical work.

Ball Grip (Bit-replaceable Tang-Thru Screwdriver) | 230W-2

- Compatible with H6.35mm drive bit. Can be used as a familiar Ball-Grip screwdriver.
- Elastic grip for strong tightening.
- 25mm large nut keeps hammering force from escaping.
- Included bit can be used with electric screwdrivers.
- Bit length when inserted into the grip is 100mm.



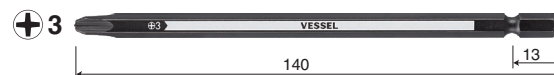
Code No.	Model No.	Set Contents	Package size (mm)	JAN (4907587)
125327	230W-2	● Ball Grip (Bit-replaceable Tang-Thru grip) ● Bit $\Phi 2 \times 140\text{mm}$	160×70×43	105189

※When striking with a hammer, use the dedicated replacement bit

Inner Ctn.: 10 sets

Ball Grip (Bit-replaceable Tang-Thru Screwdriver) | 230W-3

- Compatible with H6.35mm drive bit. Can be used as a familiar Ball-Grip screwdriver.
- Elastic grip for strong tightening.
- 25mm large nut keeps hammering force from escaping.
- Included bit can be used with electric screwdrivers.
- Bit length when inserted into the grip is 100mm.



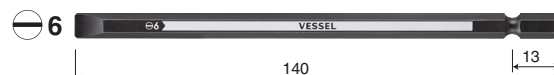
Code No.	Model No.	Set Contents	Package size (mm)	JAN (4907587)
125328	230W-3	● Ball Grip (Bit-replaceable Tang-Thru grip) ● Bit $\Phi 3 \times 140\text{mm}$	160×70×43	105196

※When striking with a hammer, use the dedicated replacement bit

Inner Ctn.: 10 sets

Ball Grip (Bit-replaceable Tang-Thru Screwdriver) | 230W-6

- Compatible with H6.35mm drive bit. Can be used as a familiar Ball-Grip screwdriver.
- Elastic grip for strong tightening.
- 25mm large nut keeps hammering force from escaping.
- Included bit can be used with electric screwdrivers.
- Bit length when inserted into the grip is 100mm.



Code No.	Model No.	Set Contents	Package size (mm)	JAN (4907587)
125329	230W-6	● Ball Grip (Bit-replaceable Tang-Thru grip) ● Bit $\Phi 6 \times 140\text{mm}$	160×70×43	105202

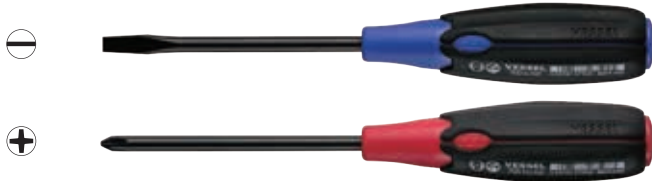
※When striking with a hammer, use the dedicated replacement bit

Inner Ctn.: 10 sets

Super Cushion Screwdriver

I 700

- "Super Cushion" grip fits your hand perfectly.
- Rust-resistant black chrome plating.
- Patented.



Code No.	700							Inner Ctn.	Outer Ctn.	JAN (4907587)
125211	⊖ 5.5 × 75	5.5	0.8	75	5.5	29	182	6	120	075918
125212	⊖ 6 × 100	6.0	0.9	100	6.4	32	215	6	120	075925
125213	⊖ 6 × 150	6.0	0.9	150	6.4	32	265	6	120	075932
125214	⊖ 8 × 150	8.0	1.1	150	8.0	34	275	6	120	075949
125215	⊕ 1 × 75	⊕No.1	75	5.5	29	182		6	120	075956
125216	⊕ 2 × 100	⊕No.2	100	6.4	32	215		6	120	075963
125217	⊕ 2 × 150	⊕No.2	150	6.4	32	265		6	120	075970
125218	⊕ 3 × 150	⊕No.3	150	8.0	34	275		6	120	075987

Cushion Screwdriver (Stubby Type)

I 720

- "Super Cushion" grip fits your hand perfectly.
- Rust-resistant black chrome plating.
- Ideal for working in cramped places.



Code No.	720							Inner Ctn.	Outer Ctn.	JAN (4907587)
125221	⊖ 6 × 15	6.0	0.9	15	6.0	35	68	6	120	076014
125222	⊕ 1 × 15	⊕No.1	15	6.0	35	68		6	120	076021
125223	⊕ 2 × 15	⊕No.2	15	6.0	35	68		6	120	076038

Super Cushion Tang-Thru Screwdriver

I 730

- "Super Cushion" grip fits your hand perfectly.
- Tang-thru type with a star-shaped end cap for hammering.
- Rust-resistant black chrome plating.
- Patented.

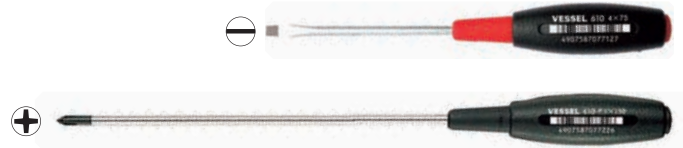


Code No.	730							Inner Ctn.	Outer Ctn.	JAN (4907587)
125231	⊖ 5.5 × 75	5.5	0.8	75	5.5	29	182	6	120	076113
125232	⊖ 6 × 100	6.0	0.9	100	6.4	32	215	6	120	076120
125233	⊖ 6 × 150	6.0	0.9	150	6.4	32	265	6	120	076137
125234	⊖ 8 × 150	8.0	1.1	150	8.0	34	276	6	60	076144
125235	⊕ 1 × 75	⊕No.1	75	5.5	29	182		6	120	076151
125236	⊕ 2 × 100	⊕No.2	100	6.4	32	215		6	120	076168
125237	⊕ 2 × 150	⊕No.2	150	6.4	32	265		6	120	076175
125238	⊕ 3 × 150	⊕No.3	150	8.0	34	276		6	60	076182

Cushion Grip Screwdriver (Thin Shank Type)

I 610

- Ideal for screw tightening in precision fields.
- Straight cut slotted tip good even for a use in cramped spaces.
- Highly precise black point tip, not being affected by the thickness of the plating layer.

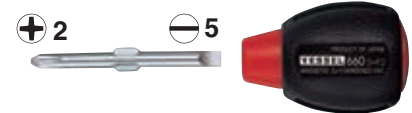


Code No.	610							Inner Ctn.	Outer Ctn.	JAN (4907587)
125332	⊖ 4 × 75	4.0	0.5	75	4.0	20.5	162	12	120	077127
125333	⊖ 4 × 100	4.0	0.5	100	4.0	20.5	187	12	120	077134
125335	⊖ 4 × 150	4.0	0.5	150	4.0	20.5	237	12	120	077158
125336	⊖ 4 × 200	4.0	0.5	200	4.0	20.5	287	12	120	077165
125337	⊕ 00 × 75	⊕No.00	75	4.0	20.5	162		12	120	077172
125339	⊕ 0 × 75	⊕No.0	75	4.0	20.5	162		12	120	077196
125340	⊕ 0 × 100	⊕No.0	100	4.0	20.5	187		12	120	077233
125341	⊕ 1 × 75	⊕No.1	75	4.0	20.5	162		12	120	077202
125342	⊕ 1 × 100	⊕No.1	100	4.0	20.5	187		12	120	077219
125343	⊕ 1 × 150	⊕No.1	150	4.0	20.5	237		12	120	077226

Cushion Grip Screwdriver (Stubby Type)

I 660

- With reversible blade (⊖5, ⊕2).

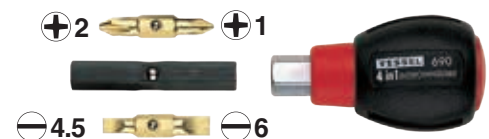


Code No.	Model No.	Set Content	Package size (mm)	Inner Ctn.	Outer Ctn.	JAN (4907587)
133085	660	Grip: length 53mm, dia.35mm Reversible blade: ⊖5 / ⊕2 ×60mm 1 pc	135×75×35	10	60	010162

Cushion 4-way Stubby Screwdriver

I TD-110

- Stubby-type driver that can be used for 4 sizes of screw.



Code No.	Model No.	Set Content	Package size (mm)	Inner Ctn.	Outer Ctn.	JAN (4907587)
251110	TD-110	Grip: length 86mm, dia. 35mm Reversible blade: ⊕1 / ⊕2 ×35mm 1 pc ⊖4.5 / ⊖6 ×35mm 1 pc Holder: 1 pc	135×85×35	10	60	061263

980

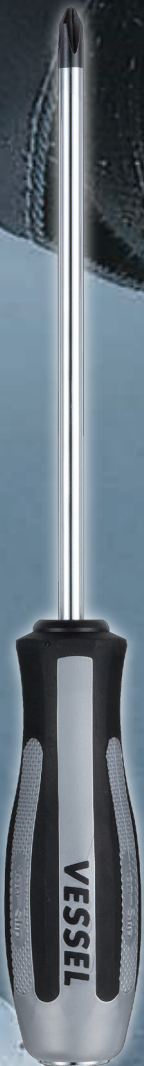
MEGADORA IMPACTA

Loosen stripped screws by hammering.



Unique design incorporating a cam-rotating structure in the through nut. When tapped with a hammer, the tip-end momentarily rotates counter-clockwise by approximately 12°.

The impact acceleration applied to the tip-end enables to easily loosen stuck screws, rusted screws, and stripped screws.



Stuck screws



Rusted screw



Stripped screw

980

MEGADORA IMPACTA

Equipped with a flat-surface grip and cushions on the corners of the hexagonal cross section.

The inner core is a triple-layered construction using recycled resin, designed with practical use of resources.

12°

※Image is for illustration purposes.

MEGADORA IMPACTA

1980

- Tang-Thru nut with cam rotation mechanism.
- High precision black point tip.



Code No.	980							Inner Ctn.	Outer Ctn.	JAN (4907587)
125941	⊕ 2 × 100	⊕No.2	100	6.4	34	213	(mm)	6	60	107916
125942	⊕ 2 × 150	⊕No.2	150	6.4	34	263	(mm)	6	60	107923
125943	⊕ 3 × 150	⊕No.3	150	8.0	36	278	(mm)	6	60	107930

MEGADORA Standard Screwdriver 1900

- JAWSFIT Phillips tip that firmly bites into a screw head.
- A knurled shank is useful for non-slip quick turning by fingers and for widening a hole on wood materials or boards.



Code No.	900							Inner Ctn.	Outer Ctn.	JAN (4907587)
125701	⊖ 5.5 × 75	5.5	0.8	75	5.5	30	175	6	60	108050
125702	⊖ 6 × 100	6.0	0.9	100	6.4	34	210	6	60	108067
125703	⊖ 6 × 150	6.0	0.9	150	6.4	34	260	6	60	108074
125704	⊖ 8 × 150	8.0	1.1	150	8.0	36	275	6	60	108081
125705	⊕ 1 × 75	⊕No.1	75	5.5	30	175	(mm)	6	60	108012
125706	⊕ 2 × 100	⊕No.2	100	6.4	34	210	(mm)	6	60	108029
125707	⊕ 2 × 150	⊕No.2	150	6.4	34	260	(mm)	6	60	108036
125708	⊕ 3 × 150	⊕No.3	150	8.0	36	275	(mm)	6	60	108043

MEGADORA Thin Shank Screwdriver 1910

- Thin shank type with a dia.4mm or smaller shank.
- High precision black point tip.



Code No.	910							Inner Ctn.	Outer Ctn.	JAN (4907587)
125746	⊖ 3 × 75	3.0	0.4	75	3.0	21	153	12	120	108937
125747	⊖ 3 × 100	3.0	0.4	100	3.0	21	178	12	120	108944
125748	⊖ 4 × 75	4.0	0.5	75	4.0	21	153	12	120	108951
125749	⊖ 4 × 100	4.0	0.5	100	4.0	21	178	12	120	108968
125750	⊖ 4 × 150	4.0	0.5	150	4.0	21	228	12	120	108975
125751	⊖ 4 × 200	4.0	0.5	200	4.0	21	278	12	120	108982
125742	⊕ 0 × 75	⊕No.0	75	3.0	21	153	(mm)	12	120	108890
125743	⊕ 0 × 100	⊕No.0	100	3.0	21	178	(mm)	12	120	108906
125744	⊕ 1 × 75	⊕No.1	75	4.0	21	153	(mm)	12	120	108913
125745	⊕ 1 × 100	⊕No.1	100	4.0	21	178	(mm)	12	120	108920

MEGADORA Standard Screwdriver Extra Long Type 1900

- JAWSFIT Phillips tip that firmly bites into a screw head.
- Good for working in a deep space. Useful for automotive headlight adjustment and hose band removal.
- Junk (turning) grip minimizes shaking because of the long shank, to ensure stable tightening.



Code No.	900							Inner Ctn.	Outer Ctn.	JAN (4907587)
125709	⊖ 6 × 400	6.0	0.9	400	6.4	34	510	6	60	108104
125710	⊕ 2 × 400	⊕No.2	400	6.4	34	510	(mm)	6	60	108098

MEGADORA Stubby Screwdriver 1920

- JAWSFIT Phillips tip that firmly bites into a screw head.
- 25mm-long shank. Ideal for working in cramped places.



Code No.	920							Inner Ctn.	Outer Ctn.	JAN (4907587)
125752	⊖ 6 × 25	6.4	0.9	25	6.4	36	75	6	60	108999
125753	⊕ 1 × 25	⊕No.1	25	6.4	36	75	(mm)	6	60	109002
125754	⊕ 2 × 25	⊕No.2	25	6.4	36	75	(mm)	6	60	109699

MEGADORA Tang-Thru Screwdriver 1930

- JAWSFIT Phillips tip that firmly bites into a screw head.
- Tang-thru type, with large nut.
- Hexagonal bolster for spanner.



Code No.	930							Inner Ctn.	Outer Ctn.	JAN (4907587)
125711	⊖ 5.5 × 75	5.5	0.8	75	5.5	30	175	8	60	108159
125719	⊖ 6 × 38	6.0	0.9	38	6.4	34	151	—	60	108203
125712	⊖ 6 × 100	6.0	0.9	100	6.4	34	213	10	60	108166
125713	⊖ 6 × 150	6.0	0.9	150	6.4	34	263	10	60	108173
125714	⊖ 8 × 150	8.0	1.1	150	8.0	36	278	12	60	108180
125715	⊕ 1 × 75	⊕No.1	75	5.5	30	176	8	60	60	108111
125716	⊕ 2 × 100	⊕No.2	100	6.4	34	213	10	60	60	108128
125717	⊕ 2 × 150	⊕No.2	150	6.4	34	263	10	60	60	108135
125718	⊕ 3 × 150	⊕No.3	150	8.0	36	278	12	60	60	108142

*The size ⊖6×38 does not have a hex bolster.

MEGADORA Pozidriv Screwdriver 1S-903

- Flat-surface grip with cushion function at the hexagonal cross section point.
- Good for assembly of European and American furniture and skiing equipment.
- A knurled shank is useful for non-slip quick turning by fingers and for widening a hole on wood materials or boards.



Code No.	S-903							Outer Ctn.	JAN (4907587)
267254	PZ 1×75	PZ1	75	5.5	30.0	175	(mm)	60	108388
267255	PZ 2×100	PZ2	100	6.4	34.0	210	(mm)	60	108401
267256	PZ 3×150	PZ3	150	3.0	36.0	275	(mm)	60	108432

MEGADORA Insulated Screwdriver | 960

- Flat-surface grip with cushion function at the hexagonal cross section point.
- Passed 7 strict tests (IEC60900) required for VDE certification.
- Double-layer insulation type. The inner layer is yellow so that peeling of the cover on the shank can be readily recognized.



Code No.	960								Inner Ctn.	Outer Ctn.	JAN (4907587)
125824	⊖ 0.8 × 5 × 75	5.0	0.8	75	6.8	30	177		6	60	109866
125825	⊖ 1.0 × 6 × 100	6.0	1.0	100	7.8	34	212		6	60	109873
125826	⊖ 1.2 × 8 × 150	8.0	1.2	150	9.8	36	277		6	60	109880
125821	⊕ 1 × 75	⊕No.1	75	6.8	30	177			6	60	109811
125822	⊕ 2 × 100	⊕No.2	100	7.8	34	212			6	60	109828
125823	⊕ 3 × 150	⊕No.3	150	9.8	36	277			6	60	109835

⚠ Caution

- STOP IMMEDIATELY using this screwdriver when the yellow shank cover comes out or there is a damage or alike on the product.
- NEVER USE FOR HOT-LINE JOB. RISQUE OF ELECTRICAL SHOCK.

MEGADORA Insulated Screwdriver | 960PS

- Flat-surface grip with cushion function at the hexagonal cross section point.
- Passed 7 strict tests (IEC60900) required for VDE certification.
- Double-layer insulation type. The inner layer is yellow so that peeling of the cover on the shank can be readily recognized.
- Dedicated to the Phillips/slotted screws.

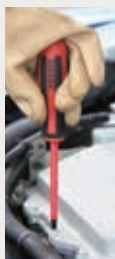


Code No.	960PS								Inner Ctn.	Outer Ctn.	JAN (4907587)
125827	PS2 × 100	PS2	100	7.8	34	212			6	60	109958
125828	PS3 × 150	PS3	150	9.8	36	277			6	60	109965

⚠ Caution

- STOP IMMEDIATELY using this screwdriver when the yellow shank cover comes out or there is a damage or alike on the product.
- NEVER USE FOR HOT-LINE JOB. RISQUE OF ELECTRICAL SHOCK.

ONE POINT | 960 | 960PS



For prevention measures of electric shock and short-circuit accidents during electrical work.

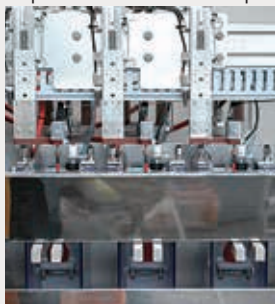
Insulated screwdriver certified by the International certification authority.

1000V AC or less, 1500V DC or less

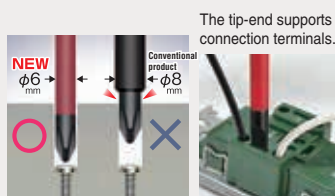


VDE is an authorized third-party certification organization Europe.

Reliable - Energization (Dielectric) Inspection conducted for all pieces.



No.960 and No.960PS are safe design with double-layer insulation cover.



The tip-end supports connection terminals.

MEGADORA Clip Remover | 970

- One model for both large and small tips. Suitable for many clips used with automobiles.
- Chrome plating, not causing scratches on a painted metal plate.
- Optimally angled for working in cramped spaces, such as, door trim, wire binding clip, and so on.



Code No. 970

Code No.	970								Inner Ctn.	Outer Ctn.	JAN (4907587)
125721	CR × 120	12/7	120	7.0	34	230			6	60	108210

MEGADORA Chisel-Type Screwdriver | 970

- Special steel for high quality cold chisel used. Hardness: 58HRC
- Abrasion resistant and sharp edge.
- Elastomer-resin made grip absorbs shock when using and alleviates the fatigue on the hand.
- Tang-thru type, with large nut.

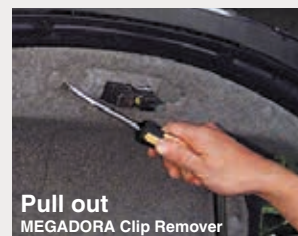


Code No. 970

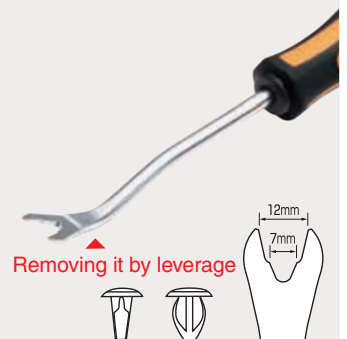
Code No.	970								Inner Ctn.	Outer Ctn.	JAN (4907587)
125722	7 × 100	7.0	1.5	100	6	34	213		6	60	108227
125732	9.5 × 120	9.5	1.7	120	8	36	248		6	60	108234

ONE POINT | 970

Pull out / Break



Pull out
MEGADORA Clip Remover



Removing it by leverage

- For big and small clips widely used in the automobile industry.

Break

MEGADORA Chisel-Type Screwdriver

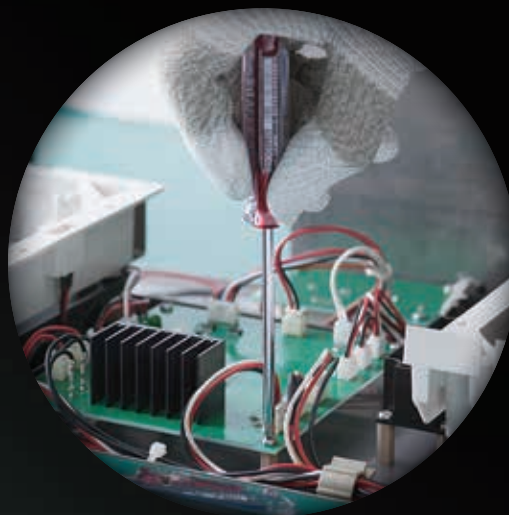


High-grade chisel used.
Sharp edge and anti-abrasion quality. Good for removal of welding on a spot, of burrs, and for various work with tiles and bricks.

6300

CRYSTALINE Screwdriver

Grip with crystal sparkle.



Wide range of grip diameters suitable for various screw sizes. High-precision screw tightening.



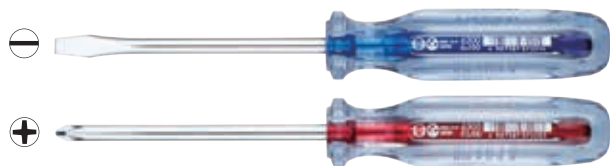
6300 CRYSTALINE Screwdriver

Uses cellulose acetate resin with good oil and chemical resistance.
Uses raw materials such as wood and cotton

Utility model registered.

CRYSTALINE Screwdriver | 6300

- Bright quartz CRYSTALINE handle. Color-coded by $\oplus$ / $\ominus$.
- Uses cellulose acetate resin.



Code No.	6300							Inner Ctn.	Outer Ctn.	JAN (4907587)
121201	⊖ 4.5 × 50	4.5	0.6	50	5.0	22.0	138	12	240	072191
121202	⊖ 5.5 × 75	5.5	0.8	75	5.5	22.0	163	12	240	072207
121203	⊖ 6 × 100	6.0	0.9	100	6.0	26.5	205	12	240	072214
121205	⊖ 8 × 150	8.0	1.1	150	8.0	28.5	263	12	120	072238
121206	⊖ 9 × 200	9.0	1.2	200	9.0	28.5	313	6	60	072245
121207	⊖ 10 × 250	10.0	1.2	250	9.0	28.5	363	6	60	072252
121208	⊖ 10 × 300	10.0	1.2	300	9.0	28.5	413	6	60	072269
121209	⊕ 1 × 75	⊕No.1	75	5.0	22.0	163		12	240	072276
121210	⊕ 2 × 100	⊕No.2	100	6.0	26.5	205		12	240	072283
121211	⊕ 3 × 150	⊕No.3	150	8.0	28.5	263		12	120	072290
121212	⊕ 4 × 200	⊕No.4	200	9.0	28.5	313		6	60	072306

CRYSTALINE Screwdriver (Long Shank Type) | 6300

- Bright quartz CRYSTALINE handle. Color-coded by $\oplus$ / $\ominus$.
- Long shank for fastening in a hard-to-reach space.
- Uses cellulose acetate resin.



Code No.	6300							(mm)	Inner Ctn.	Outer Ctn.	JAN (4907587)
121213	 5 × 150	5.0	0.8	150	5.0	22	238		12	120	072313
121214	 5 × 200	5.0	0.8	200	5.0	22	288		12	120	072320
121215	 5 × 250	5.0	0.8	250	5.0	22	338		12	120	072337
121216	 1 × 150	 No.1	150	5.0	22	238			12	120	072344
121217	 1 × 200	 No.1	200	5.0	22	288			12	120	072351
121218	 1 × 250	 No.1	250	5.0	22	338			12	120	072368
121219	 2 × 150	 No.2	150	6.0	26.5	255			12	120	072375
121220	 2 × 200	 No.2	200	6.0	26.5	305			12	120	072382
121221	 2 × 250	 No.2	250	6.0	26.5	355			12	120	072399

CRYSTALINE Screwdriver | 6300E NEW

- Bright quartz CRYSTALINE handles. Color-coded by $\oplus$ / $\ominus$.
- Uses cellulose acetate resin.
- Large handle for even better operability.



Code No.	6300E							Inner Ctn.	Outer Ctn.	JAN (4907587)
121254	⊖ 5 × 150	5.0	0.8	150	5.0	26.5	255	12	120	
121255	⊖ 5 × 200	5.0	0.8	200	5.0	26.5	305	12	120	
121257	⊕ 1 × 150	+No.1		150	5.0	26.5	255	12	120	
121258	⊕ 1 × 200	+No.1		200	5.0	26.5	305	12	120	
121259	⊕ 1 × 250	+No.1		250	5.0	26.5	355	12	120	

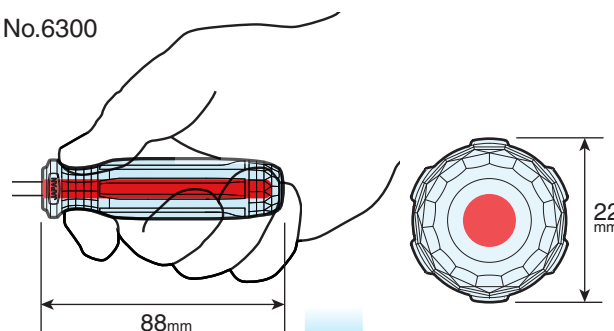
ONE POINT

The dia. **26.5** mm handle model newly available for overseas market!

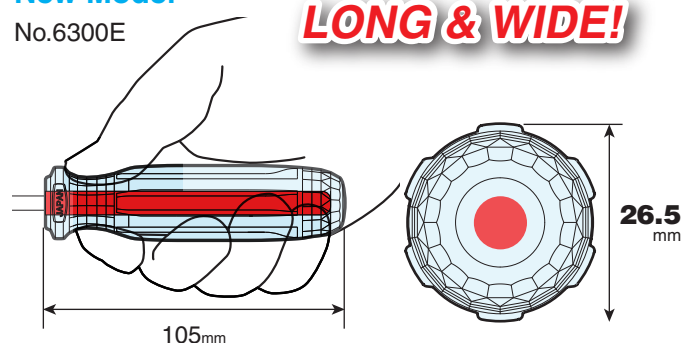
More comfortable to hold and more convenient to tighten screws.
Larger handle than our conventional 22mm model.

Conventional Model

No.6300

**New Model**

No.6300E



CRYSTALINE Screwdriver (Thin Shank Type)

I 6100

- Bright quartz CRYSTALINE handle. Color-coded by $\oplus$ $\ominus$.
- Thin shank screwdriver. Ideal for working in cramped spaces.
- Uses cellulose acetate resin.



Code No.							Inner Ctn.	Outer Ctn.	JAN (4907587)
121001	$\ominus$ 4 × 50	4.0	0.45	50	4	16	124.5	12 240	072009
121002	$\ominus$ 4 × 75	4.0	0.45	75	4	16	149.5	12 240	072016
121003	$\ominus$ 4 × 100	4.0	0.45	100	4	16	174.5	12 240	072023
121005	$\ominus$ 4 × 150	4.0	0.45	150	4	16	224.5	12 120	072047
121006	$\ominus$ 4 × 200	4.0	0.45	200	4	16	274.5	12 120	072054
121007	$\oplus$ 0 × 75	$\oplus$ No.0	75	4	16	149.5	12 240	072061	
121009	$\oplus$ 0 × 100	$\oplus$ No.0	100	4	16	174.5	12 240	072078	
121010	$\oplus$ 0 × 150	$\oplus$ No.0	150	4	16	224.5	12 120	072085	
121011	$\oplus$ 0 × 200	$\oplus$ No.0	200	4	16	274.5	12 120	072092	
121008	$\oplus$ 1 × 75	$\oplus$ No.1	75	4	16	149.5	12 240	072108	
121012	$\oplus$ 1 × 100	$\oplus$ No.1	100	4	16	174.5	12 240	072115	
121013	$\oplus$ 1 × 150	$\oplus$ No.1	150	4	16	224.5	12 120	072122	
121014	$\oplus$ 1 × 200	$\oplus$ No.1	200	4	16	274.5	12 120	072139	
121015	$\oplus$ 2 × 200	$\oplus$ No.2	200	4	16	274.5	12 120	072146	
121016	$\oplus$ 2 × 250	$\oplus$ No.2	250	4	16	324.5	12 120	072153	

CRYSTALINE Screwdriver (Stubby Type)

I 6200

- Bright quartz CRYSTALINE handle. Color-coded by $\oplus$ $\ominus$.
- Ideal for working in cramped spaces.
- Uses cellulose acetate resin.



Code No.							Inner Ctn.	Outer Ctn.	JAN (4907587)
121101	$\ominus$ 6 × 38	6.0	0.9	38	6	30	87.5	12 240	072160
121102	$\oplus$ 1 × 38	$\oplus$ No.1	38	6	30	87.5	12 240	072177	
121103	$\oplus$ 2 × 38	$\oplus$ No.2	38	6	30	87.5	12 240	072184	

CRYSTALINE Screwdriver (Precision Type)

I 6900

- Bright quartz CRYSTALINE handle. Color-coded by $\oplus$ $\ominus$.
 - For intense precision work.
 - Handle end is recessed to turn quickly by pressing it with fingertip.
 - Uses cellulose acetate resin.
- ※ $\oplus$ 00x50 model is with a fully black oxide finish shank.



Code No.							Inner Ctn.	Outer Ctn.	JAN (4907587)
121301	$\ominus$ 2.5 × 50	2.5	0.35	50	3	14	101	24 240	072405
121302	$\ominus$ 2.5 × 75	2.5	0.35	75	3	14	126	24 240	072412
121303	$\ominus$ 2.5 × 100	2.5	0.35	100	3	14	151	24 240	072429
121327	$\oplus$ 00 × 50	$\oplus$ No.00	50	3	14	101	24 240	072474	
121304	$\oplus$ 0 × 75	$\oplus$ No.0	75	3	14	126	24 240	072436	

ONE POINT

An Eco-friendly grip made from plant-based ingredients

Cellulose acetate resin, used in many plastic screwdrivers, is once again in the spotlight as an ecologically friendly plant-based polyester resin. Cellulose acetate resin is an outstanding material that is resistant to oil, chemicals, and shock.

As the word cellulose implies, the grip is made from wood pulp and cotton.

This resin grip is ecologically friendly with a low environment load, and does not upset the CO₂ balance when burned.



Long Square Shank Screwdriver I 6603

- 450mm-long square shank. Fully-hardened tough special steel.
- Also good for high strength tightening. Square shank can be handled by spanner.
- For screw tightening of sanitary appliances, etc.
- Uses cellulose acetate resin.



Code No.								Outer Ctn.	JAN (4907587)
122231	$\ominus$ 9 × 450	9.0	1.2	450	8	113	28.5	563	6 013217
122232	$\oplus$ 2 × 450	$\oplus$ No.2	450	6	113	28.5	563	6 013224	
122233	$\oplus$ 3 × 450	$\oplus$ No.3	450	8	113	28.5	563	6 013231	

Non-Slip Tang-Thru Screwdriver | B-370

- Unique Non-Slip finish that prevents slipping even if oil adheres on the grip.
- Tang-thru type, with large nut. Good for heavy-duty work.
- The end of the handle has a color ring which facilitates to distinguish the tip difference at a glance.



Code No.	B-370							Inner Ctn.	Outer Ctn.	JAN (4907587)
267590	⊖ 5.5× 75	5.5	0.8	75	5.5	27.4	183	6	60	078650
267591	⊖ 6 × 100	6.0	0.9	100	6.4	30.7	226	6	60	078667
267592	⊖ 8 × 150	8.0	1.1	150	8.0	36.2	290	6	60	078674
267593	⊕ 1 × 75	⊕ No.1	75	5.5	27.4	183		6	60	078681
267594	⊕ 2 × 100	⊕ No.2	100	6.4	30.7	226		6	60	078698
267595	⊕ 3 × 150	⊕ No.3	150	8.0	36.2	290		6	60	078704

POZIDRIV Screwdriver | 4600

- High precision black point tip.
- Good for assembly of European and American furniture and skiing equipment.



Code No.	4600							Inner Ctn.	Outer Ctn.	JAN (4907587)
636011	PZ1 × 75	PZ No.1	75	5	28	172		6		108791
636012	PZ2 × 100	PZ No.2	100	6	31	204		6		108807
636013	PZ3 × 150	PZ No.3	150	8	35	265		6		108814

Power Grip Screwdriver | 4500

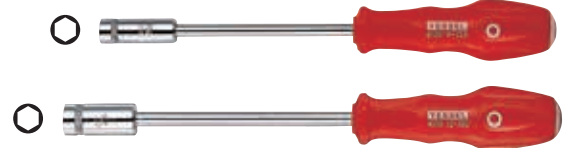
- Plastic handle and tang-thru shank withstand heavy-duty work.
- Hexagon bolster for strong tightening with a spanner or alike.
- Cellulose acetate resin grip. Ergonomic design.



Code No.	4500							Inner Ctn.	Outer Ctn.	JAN (4907587)
123401	⊖ 5.5× 75	5.5	0.8	75	5.8	28.0	172	8	6	074768
123402	⊖ 6 × 100	6.0	0.9	100	6.4	31.8	204	10	6	074775
123403	⊖ 8 × 150	8.0	1.1	150	8.0	35.6	265	12	6	074782
123404	⊖ 9 × 200	9.0	1.2	200	9.0	37.0	320	12	6	074799
123405	⊕ 1 × 75	⊕ No.1	75	5.8	28.0	172	8	6	240	074805
123406	⊕ 2 × 100	⊕ No.2	100	6.4	31.8	204	10	6	120	074812
123407	⊕ 3 × 150	⊕ No.3	150	8.0	35.6	265	12	6	120	074829
123408	⊕ 4 × 200	⊕ No.4	200	9.0	37.0	320	12	6	60	074836

Power Socket Screwdriver | 4100

- For tightening and loosening hexagon bolts and nuts.



Code No.	4100								Inner Ctn.	Outer Ctn.	JAN (4907587)
123501	A/F 5 ×115	5	8	18	115	5.0	28.0	212	6	60	076601
123502	A/F 5.5 ×115	5.5	9	18	115	5.0	28.0	212	6	60	076618
123503	A/F 6 ×115	6	9	18	115	5.5	28.0	212	6	60	076625
123504	A/F 7 ×125	7	10	18	125	5.5	28.0	222	6	60	076632
123505	A/F 8 ×125	8	12	20	125	5.5	31.8	229	6	60	076649
123506	A/F 9 ×125	9	12.7	20	125	6.3	31.8	229	6	60	076656
123507	A/F 10 ×125	10	15	20	125	7.0	35.6	240	6	60	076663
123508	A/F 11 ×125	11	15	20	125	7.0	35.6	240	6	60	076670
123509	A/F 12 ×150	12	17	20	150	8.0	35.6	265	6	60	076687
123510	A/F 13 ×150	13	19	20	150	8.0	35.6	265	6	60	076694

Power Grip TORX Screwdriver | 5400TX

- Electroless nickel plated precise finish tip.
- Cellulose acetate resin grip. Ergonomic design.
- For tamper-proof screws (Except T5 and T6).



→See P53 One point

Code No.	5400TX							Inner Ctn.	Outer Ctn.	JAN (4907587)
122854	T 5 × 80	1.42	80	2.5	17.0	155		12	60	062031
122855	T 6 × 80	1.69	80	2.5	17.0	155		12	60	062048
122856	T 7H× 80	1.97	80	2.5	17.0	155		12	60	062055
122857	T 8H× 80	2.3	80	3.0	17.0	155		12	60	062062
122858	T 9H× 80	2.48	80	3.0	17.0	155		12	60	062079
122859	T10H× 80	2.72	80	3.0	17.0	155		12	60	062086
122860	T15H× 80	3.26	80	3.5	28.0	177		6	60	062093
122861	T20H× 120	3.84	120	4.0	28.0	217		6	60	062109
122862	T25H× 120	4.4	120	5.0	31.8	224		6	60	062116
122863	T27H× 120	4.96	120	5.0	31.8	224		6	60	062123
122864	T30H× 120	5.49	120	6.0	35.6	235		6	60	062130
122865	T40H× 120	6.6	120	7.0	35.6	235		6	60	062147

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Power Grip UltraBall Screwdriver | B-5400BP

- Electroless nickel plated precise finish tip.
- The handle is made of cellulose acetate resin. Ergonomic design.
- A knurled shank is useful for quick turning.

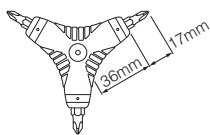


Code No.	B-5400BP							Outer Ctn.	JAN (4907587)
267565	H 1.5× 80	1.5	80	2.5	17.0	155		30	078469
267566	H 2 × 80	2	80	3.0	17.0	155		30	078476
267567	H 2.5× 80	2.5	80	3.0	17.0	155		30	078483
267568	H 3 × 120	3	120	3.5	28.0	217		30	078490
267569	H 4 × 120	4	120	5.0	31.8	224		30	078506
267570	H 5 × 120	5	120	6.0	35.6	235		30	078513
267571	H 6 × 120	6	120	7.0	35.6	235		30	078520

3-Point Screwdriver

TD-210 | 250Y | 220B | 240G

- 3 sizes in 1 compact handy tool.
- Y-shaped handle fits in the hand. Powerful tightening.

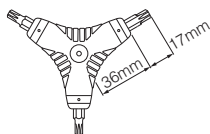


⊖ ⊕ TD-210 ⊕ TD-250Y ⊖ TD-220B ⊖ TD-240G

Code No.	Model No.	Set content	Package size (mm)	Inner Ctn.	Outer Ctn.	JAN (4907587)
251210	TD-210	⊕1 / ⊕2 / ⊖6 Shank: 17mm	135×120×20	10	60	061348
251211	TD-250Y	⊕1 / ⊕2 / ⊕3 Shank: 17mm	120×95×18	10	—	009272
251221	TD-220B	H2 / H2.5 / H3 Shank: 17mm	120×95×18	10	—	009258
251222	TD-240G	H4 / H5 / H6 Shank: 17mm	120×95×18	10	—	009265

3-Point TORX Screwdriver 2-pc. Set | TD-230

- 3 sizes in 1 compact handy tool.
- For tamper-proof screws.
- Y-shaped handle fits in the hand. Powerful tightening.

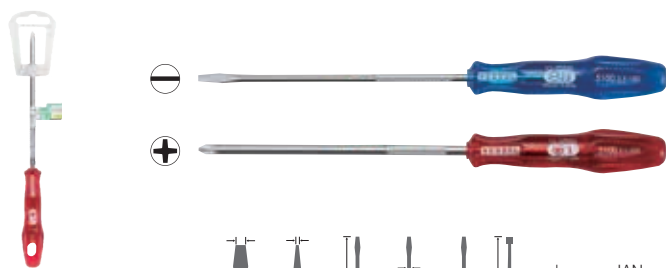


Code No.	Model No.	Set content	Package size (mm)	Inner Ctn.	Outer Ctn.	JAN (4907587)
251230	TD-230	T10H / T15H / T20H T25H / T30H / T40H Shank length 17mm	135×140×38	10	60	061362

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Power Grip Precision Shank Screwdriver | B-5100

- The handle is made of cellulose acetate resin. Ergonomic design.
- A knurled shank is useful for quick turning.



Code No.	B-5100	2.5	0.35	75	3	17	150	Inner Ctn.	JAN (4907587)
267540	⊖ 2.5× 75	2.5	0.35	75	3	17	150	60	078292
267541	⊖ 2.5× 100	2.5	0.35	100	3	17	175	60	078308
267542	⊖ 2.5× 150	2.5	0.35	150	3	17	225	60	078315
267551	⊖ 4 × 75	4	0.45	75	4	17	150	60	078711
267543	⊖ 4 × 100	4	0.45	100	4	28	197	60	078322
267544	⊖ 4 × 150	5	0.7	150	5	31.8	238	60	078339
267552	⊖ 5 × 250	5	0.7	250	5	31.8	288	60	078728
267545	⊕ 00 × 75	⊕ No.00	75	3	17	150	60	078346	
267546	⊕ 0 × 75	⊕ No.0	75	3	17	150	60	078353	
267553	⊕ 0 × 100	⊕ No.0	100	3	17	175	60	078735	
267554	⊕ 1 × 75	⊕ No.1	75	4	17	150	60	078742	
267547	⊕ 1 × 100	⊕ No.1	100	4	28	197	60	078360	
267548	⊕ 2 × 150	⊕ No.2	150	5	31.8	254	60	078377	
267549	⊕ 2 × 200	⊕ No.2	200	5	31.8	304	60	078384	
267550	⊕ 2 × 300	⊕ No.2	300	5	31.8	404	60	078391	

Hex Screwdriver Set | TD-6310HX

- For hexagon socket head cap bolts, Phillips and slotted screws.
- New type of bit holder that securely holds bits in place.
- The handle is made of cellulose acetate resin.



TD-6310HX

Code No.	Package size (mm)	Inner Ctn.	JAN (4907587)
247029	235×100×29	10	008527

Set content

Body	length 213mm dia. 28.5mm
Bits	⊖4, ⊖6, ⊕1, ⊕2, ⊕3, H2.5, H3, H4, H5, H6×25.4mm
Accessory	Bit belt holder

TORX Screwdriver Set | TD-6310TX

- For tamper-proof screws, Phillips and slotted screws.
- New type of bit holder that securely holds bits in place.
- The handle is made of cellulose acetate resin.



TD-6310TX

Code No.	Package size (mm)	Inner Ctn.	JAN (4907587)
247028	235×100×29	10	008510

Set content

Body	length 213mm dia. 28.5mm
Bits	⊖6, ⊕2, T8H, T10H, T15H, T20H, T25H, T27H, T30H, T40H×25.4mm
Accessory	Bit belt holder

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FAMIDORA 12 Screwdriver 12-Piece Set

TD-912N

- One set for 12 different ways.
- Big handle is made of hand-friendly material.
- Slit in the rear for turning with a heaton.
- Color-coded small handles and replacement blades. Includes a screwdriver for triangular screws used in toys.
- A hollow in the storage case can be used as a screw tray.



TD-912N

Code No.	Package size (mm)	Inner Ctn.	Outer Ctn.	JAN (4907587)
251810	155×98×40	10	60	061980

Set content

Big handle	length 102mm dia. 32mm
Small handle	⊕0, ⊖2.5×128mm
Driver blades	⊕1/⊗Awl, ⊕2 Thick/⊕2 Thin ⊕3/⊖6, ▲2.3/▲1.9×120mm

FAMIDORA 8 Screwdriver 8-Piece Set

TD-800

- Fits in the palm. Ergonomic handle.
- Color-coded screwdrivers (replacement blades).
- Provided with a stand, which is convenient for storage.



TD-800

Code No.	Package size (mm)	Inner Ctn.	Outer Ctn.	JAN (4907587)
251800	160×150×35	10	60	061300

Set content

Handle	length 100mm dia. 29.5mm
Driver blades	⊕0, ⊕1, ⊕2, ⊖2.5, ⊖4, ⊖6, ⊗ Awl, ■ Pin extractor×128mm

ONE POINT

TD-800

Features of the FAMIDORA series Small handle / Big handle

Convenient and compact design so as to be kept as a standing tool in households, offices, shops, etc.



Without big handle, the screwdriver can be used.

FAMIDORA Reversible Blade Screwdriver

TD-410

- Fits in the palm. Ergonomic handle.
- Hardened replacement blade. Tough tip.



TD-410

Code No.	Package size (mm)	Inner Ctn.	Outer Ctn.	JAN (4907587)
251801	185×75×31	10	60	061515

Set content

Handle	length 101.5mm dia. 29mm
Driver blades	⊕2 / ⊖6×150mm



Dual-Tone Screwdriver Set

TD-2100

- Screwdriver set as standing tool.
- Lightweight, easy-to-hold octagonal grip that transmits effectively tightening power and that is resistant to slipping.
- Interchangeable blades are fully hardened and magnetized. Electroless nickel plating. The plating thickness is thin and fitting accuracy is improved.
- Comes with a bag for compact storage.



TD-2100

Code No.	Package size (mm)	Outer Ctn.	JAN (4907587)
247030	200×92×29	40	061973

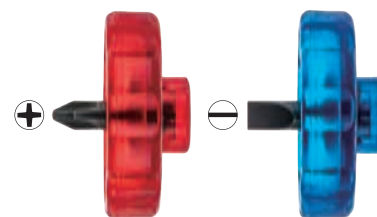
Set content

Handle	length 100mm dia. 30mm
Driver blades	⊕1, ⊕2, ⊖4, ⊖6×120mm

"KOMADORA" Stubby Screwdriver

TD-13

- Thinnest grip (27mm)
- Small center knob for quick tightening.
- Large grip (dia.42mm) for efficient torque transmission.



Code No.	TD-13	⊕	⊖	⊕	(mm)	Inner Ctn.	Outer Ctn.	JAN (4907587)
251141	TD-13-P2(⊕2×10)	10	42.0	27		10	120	088352
251142	TD-13-S6(⊖6×10)	10	42.0	27		10	120	088369

KOMADORA Stubby Screwdriver

TD-13W

- Thinnest grip (27mm)
- Small center knob for quick tightening.
- Large grip (dia.42mm) for efficient torque transmission.
- Single end 6.35 hex bit is compatible.



Code No.	TD-13W	⊕	⊖	(mm)	Inner Ctn.	Outer Ctn.	JAN (4907587)
251143	TD-13W(⊕2×10)	42.0	27		10	10	088376
251144	TD-13W5(⊖6, ⊕1, ⊕2(2pc), ⊕3×10)	42.0	27		10	120	088383

SEPADORA Screwdriver

550

- Shank and grip are separable. Sort and recycle.
- Wavy octagonal grip fits your palm and transmits driving torque effectively.
- Patented.



Code No.								Inner Ctn.	Outer Ctn.	JAN (4907587)
121601	⊖ 5.5 × 75	5.5	0.8	75	5.0	30.0	175	6	120	115119
121602	⊖ 6 × 100	6.0	0.9	100	6.0	33.5	210	6	60	115126
121603	⊖ 8 × 150	8.0	1.1	150	8.0	36.0	275	6	60	115133
121611	⊕ 1 × 75	⊕No.1	75	5.0	30.0	175		6	120	115140
121612	⊕ 2 × 100	⊕No.2	100	6.0	33.5	210		6	60	115157
121613	⊕ 2 × 150	⊕No.2	150	6.0	33.5	260		6	60	115164
121616	⊕ 3 × 150	⊕No.3	150	8.0	36.0	275		6	60	115171

"SEPADORA" Screwdriver (Thin Shank Type)

560

- Shank and grip are separable. Sort and recycle.
- Wavy octagonal grip fits your palm and transmits driving torque effectively.
- Thin shank screwdriver. Ideal for screw tightening in narrow spaces.
- Patented.



Code No.								Inner Ctn.	Outer Ctn.	JAN (4907587)
121632	⊖ 4 × 75	4.0	0.5	75	4.0	19.8	153	12	240	115317
121634	⊖ 4 × 150	4.0	0.5	150	4.0	19.8	228	12	240	115331
121635	⊖ 4 × 200	4.0	0.5	200	4.0	19.8	278	12	240	115348
121647	⊕ 1 × 100	⊕No.1	100	4.0	19.8	178		12	240	115362
121651	⊕ 2 × 150	⊕No.2	150	4.0	19.8	228		12	240	115379

"SEPADORA" Screwdriver (Stubby Type)

570

- Shank and grip are separable. Sort and recycle.
- Wavy octagonal grip fits your palm and transmits driving torque effectively.
- Special grip with a clip.
- Thin shank screwdriver. Ideal for screw tightening in precision fields.
- ※+00x50 is with a fully black oxide finish shank.
- Patented.

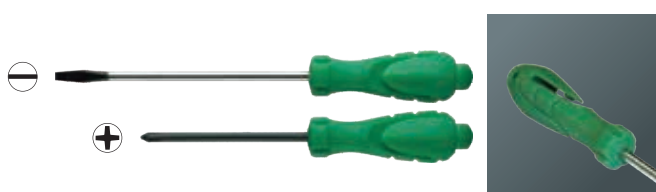


Code No.								Inner Ctn.	Outer Ctn.	JAN (4907587)
121661	⊖ 6 × 25	6.0	0.9	25	6.0	45	50	12	240	115515
121662	⊕ 1 × 25	⊕No.1	25	6.0	45	50		12	240	115522
121663	⊕ 2 × 25	⊕No.2	25	6.0	45	50		12	240	115539

"SEPADORA" Screwdriver (Precision Type)

590

- Shank and grip are separable. Sort and recycle.
- Wavy octagonal grip fits your palm and transmits driving torque effectively.
- Ideal for working in cramped places.
- Patented.

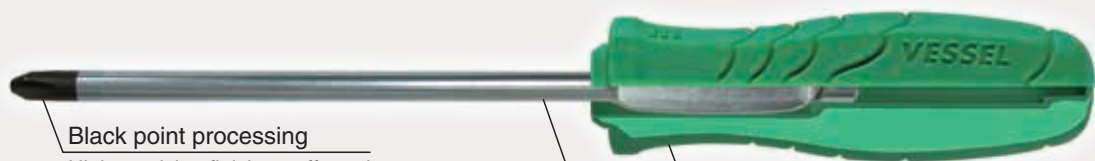
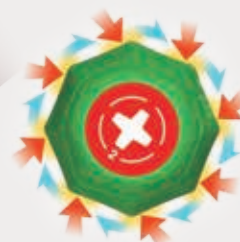


Code No.								Inner Ctn.	Outer Ctn.	JAN (4907587)
121671	⊖ 2.5 × 50	2.5	0.35	50	3.0	15.4	99	24	480	115614
121672	⊖ 2.5 × 75	2.5	0.35	75	3.0	15.4	124	24	480	115621
121673	⊖ 2.5 × 100	2.5	0.35	100	3.0	15.4	149	24	480	115638
121674	⊕ 00 × 50	⊕No.00	50	3.0	15.4	99		24	480	115645
121675	⊕ 0 × 75	⊕No.0	75	3.0	15.4	124		24	480	115652

ONE POINT

Concave octagonal grip

Dents and projections of the waves fit into your palm to transmit the torque securely.



Black point processing

High precision finish, unaffected by plate thickness

Rust-proof chrome plating

Elastomer grip

The elastomer resin coating on the surface is slip-proof and fits into your palm

Tip shape is shown on the grip end

ECO VALUE Screwdriver | 500

- Robust looking black hard grip.
- Wavy octagonal grip fits your palm and transmits driving torque effectively.
- Electroless nickel plated precise finish tip.



Code No.	500							Inner Ctn.	Outer Ctn.	JAN (4907587)
121751	⊖5.5 × 75	5.5	0.8	75	5.0	30.0	175	6	120	117014
121752	⊖6 × 100	6.0	0.9	100	6.0	33.5	210	6	60	117021
121753	⊖8 × 150	8.0	1.1	150	8.0	36.0	275	6	60	117038
121761	⊕1 × 75	⊕No.1		75	5.0	30.0	175	6	120	117113
121762	⊕2 × 100	⊕No.2		100	6.0	33.5	210	6	60	117120
121766	⊕3 × 150	⊕No.3		150	8.0	36.0	275	6	60	117137

*The shank is not separable.

ECO VALUE Screwdriver | 510

- Robust looking black hard grip.
- Wavy octagonal grip fits your palm and transmits driving torque effectively.
- Thin shank screwdriver. Ideal for screw tightening in narrow spaces.
- Electroless nickel plated precise finish tip.



Code No.	510							Inner Ctn.	Outer Ctn.	JAN (4907587)
121782	⊖4 × 75	4.0	0.45	75	4.0	19.8	153	12	240	117311
121783	⊖4 × 100	4.0	0.45	100	4.0	19.8	178	12	240	117328
121792	⊕0 × 75	⊕No.0		75	4.0	19.8	153	12	240	117410
121797	⊕1 × 100	⊕No.1		100	4.0	19.8	178	12	240	117427

*The shank is not separable.

ECO VALUE Screwdriver (Stubby Type) | 520

- Robust looking black hard grip.
- Wavy octagonal grip fits your palm and transmits driving torque effectively.
- Ideal for working in cramped spaces.
- Electroless nickel plated precise finish tip.



Code No.	520							Inner Ctn.	Outer Ctn.	JAN (4907587)
121811	⊖6 × 25	6.0	0.9	25	6.0	45	50	12	240	117519
121812	⊕1 × 25	⊕No.1		25	6.0	45	50	12	240	117526
121813	⊕2 × 25	⊕No.2		25	6.0	45	50	12	240	117533

*The shank is not separable.

ECO VALUE Screwdriver (Precision Type) | 540

- Robust looking black hard grip.
- Wavy octagonal grip fits your palm and transmits driving torque effectively.
- Special grip with a clip.
- Thin shank screwdriver. Ideal for screw tightening in precision fields.
- Electroless nickel plated precise finish tip.



Code No.	540							Inner Ctn.	Outer Ctn.	JAN (4907587)
121821	⊖2.5×50	2.5	0.35	50	3.0	15.4	99	24	480	117618
121824	⊕00 × 50	⊕No.00		50	3.0	15.4	99	24	480	117717
121825	⊕0 × 75	⊕No.0		75	3.0	15.4	124	24	480	117724

*The shank is not separable.

ECOSOFT T-bar screwdriver (w/socket bit set) | 460NT-9S

- The ergonomic grip fits comfortably in your hand. T-shaped handle transmits high torque without applying too much force by your hand.
- Ball-lock type holds a socket assuredly. Square drive 6.35mm.

**460NT-9S**

Code No.	Package size (mm)	Inner Ctn.	Outer Ctn.	JAN (4907587)
121891	235×120×30	5	30	116819

*The shank is not separable.

Set content

Body	length 165.5mm dia. 100mm
Socket bits	H5, H5.5, H6, H7, H8, H9, H10, H12, H13 ×26.5mm
Accessory	Socket bit holder

100

Powerful Tang-Thru Screwdriver

Adopts a thick nut that assuredly transmits a hammering impact to the screwdriver's tip-end.



The large handle is painted to look like furniture, giving it a luxurious feel, and the more you use it, the more it will fit comfortably in your hand.

The handle is favored by many professional users for its good feel, which cannot be obtained with plastic handles.



100

Powerful Tang-Thru Screwdriver

The six grooves on the circular cross section provide an appropriate anti-slip surface. In addition, a thick nut transmits the hammer's blows effectively to the screw. Striking with a hammer enables to adjust the parts fitting and loosen screws.

※Image is for illustration purposes.

HAND TOOLS

INDUSTRIAL BITS

CONSTRUCTION BITS

RECIPROCATING SAW BLADES

ELECTRIC TOOLS

AIR TOOLS

AIR NIPPERS

STATIC SOLUTIONS

GASOLINE ENGINE TOOLS

Powerful Tang-Thru Screwdriver | 100

- Wooden, tang-thru type, with large nut.
- Large and long grip comfortable to hold.
- Black point tip.

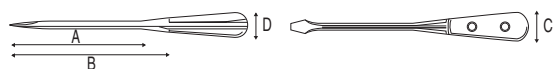


←See P27

Code No.								Inner Ctn.	Outer Ctn.	JAN (4907587)
111051	⊖ 5.5×75	5.5	0.8	75	5.8	27.0	182	6	120	070289
111052	⊖ 6 ×100	6.0	0.9	100	6.4	30.5	223	6	120	070296
111061	⊖ 6 ×300	6.0	0.9	300	6.4	30.5	423	6	60	070814
111053	⊖ 8 ×150	8.0	1.1	150	8.0	34.0	294	6	120	070302
111054	⊕ 1 ×75	⊕No.1	75	5.8	27.0	182		6	120	070319
111055	⊕ 2 ×100	⊕No.2	100	6.4	30.5	223		6	120	070326
111066	⊕ 2 ×300	⊕No.2	300	6.4	30.5	423		6	60	070821
111056	⊕ 3 ×150	⊕No.3	150	8.0	34.0	294		6	120	070333

SPLIT Handle Heavy-Duty Screwdriver | 30

- Joined Tang-Thru shank and handle. Super strong type.



Code No.								Inner Ctn.	Outer Ctn.	JAN (4907587)
113101	⊖ 9.5×150	9.5	1.2	9.5	145	190	35	29	285	100757
113102	⊖ 11 ×200	11	1.2	11	195	255	38	32	360	100764

ONE POINT

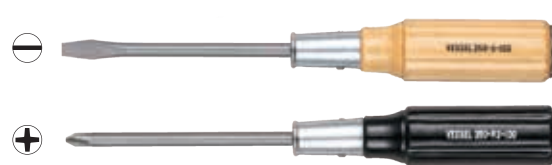


VESSEL created the prototype of the "Tang-thru screwdriver," in which the shaft penetrates to the back of the grip with a large nut.

VESSEL's commitment to the tang-thru screwdrivers can be seen in its many nut designs. Thick type, star-shaped, mark-punched..., our ideas and techniques are incorporated into even a simple nut.

Wooden Handle Tang-Thru Screwdriver | 350

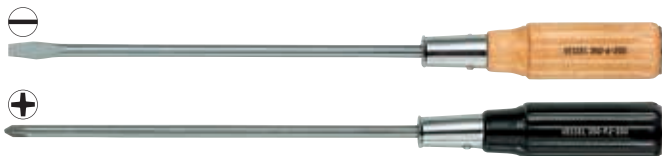
- Widely-used standard wooden handle screwdriver.
- Wooden tang-thru type, with large nut.
- Shot blasting shank.



Code No.								Inner Ctn.	Outer Ctn.	JAN (4907587)
111002	⊖ 5.5×75	5.5	0.8	75	5.5	25	178	12	120	070029
111003	⊖ 6 ×100	6.0	0.9	100	6.3	28	218	12	240	070036
111005	⊖ 8 ×150	8.0	1.1	150	8.0	33	283	6	120	070050
111006	⊖ 9 ×200	9.0	1.2	200	9.0	36	355	6	60	070067
111008	⊖ 10×300	10.0	1.2	300	9.0	36	455	6	60	070081
111010	⊕ 1 ×75	⊕No.1	75	5.0	25	178		12	120	070104
111011	⊕ 2 ×100	⊕No.2	100	6.3	28	218		12	240	070111
111012	⊕ 3 ×150	⊕No.3	150	8.0	33	283		6	120	070128
111013	⊕ 4 ×200	⊕No.4	200	9.0	36	355		6	60	070135

Wooden Handle Tang-Thru Screwdriver (Long Shank Type) | 350

- Wooden handle and Tang-Thru shank.
- Long shank for fastening in a hard-to-reach space.



Code No.								Inner Ctn.	Outer Ctn.	JAN (4907587)
111018	⊖ 6 ×200	6.0	0.9	200	6.3	28	320	12	120	070173
111020	⊖ 6 ×300	6.0	0.9	300	6.3	28	420	12	120	070197
111024	⊕ 2 ×200	⊕No.2	200	6.3	28	320		12	120	070234
111025	⊕ 2 ×250	⊕No.2	250	6.3	28	370		12	120	070241
111026	⊕ 2 ×300	⊕No.2	300	6.3	28	420		12	120	070258

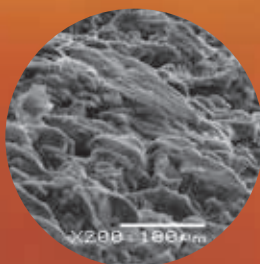
300

Wood-Compo Screwdriver

Outstanding non-slip effect.



Maintenance of cars, motorbikes and machines always involves oils. Wood-compo screwdriver's coarse wood powder on the grip surface stops the oil flow against the tightening torque, producing an outstanding non-slip grip effect.



Grip surface enlarged.



| 300

Wood-Compo Screwdriver

The grip section is made of "wood resin," a mixture of wood powder and plastic, by injection molding using our proprietary technology.

Because it contains a large amount of wood powder, you can feel the texture of natural wood and its touch in your hand.

Utility model registered.

※Image is for illustration purposes.

HAND TOOLS

INDUSTRIAL BITS

CONSTRUCTION
BITSRECIPROCATING
SAW BLADES

ELECTRIC TOOLS

AIR TOOLS

AIR NIPPERS

STATIC SOLUTIONS

GASOLINE ENGINE
TOOLS

Wood-Compo Screwdriver | 300

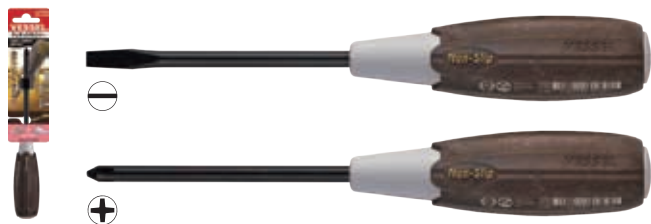
- Non-slip grip even if used with oil-covered hands. "Wood-resin" is used to offer the texture of natural woods and its touch by hand.
- Rust-resistant black chrome-plated shank.



Code No.	300							Inner Ctn.	Outer Ctn.	JAN (4907587)
120021	⊖ 5.5× 75	5.5	0.8	75	5.5	30	182	6	120	074300
120022	⊖ 6 × 100	6.0	0.9	100	6.4	32	215	6	120	074317
120027	⊖ 6 × 150	6.0	0.9	150	6.4	32	265	6	120	074485
120023	⊖ 8 × 150	8.0	1.1	150	8.0	35	275	6	120	074324
120024	⊕ 1 × 75	⊕No.1	75	5.5	30	182	6	120	074331	
120025	⊕ 2 × 100	⊕No.2	100	6.4	32	215	6	120	074348	
120029	⊕ 2 × 150	⊕No.2	150	6.4	32	265	6	120	074492	
120026	⊕ 3 × 150	⊕No.3	150	8.0	35	275	6	120	074355	

Wood-Compo S/D(w/hanging card) | B-300

- Non-slip grip even if used with oil-covered hands. "Wood-resin" is used to offer the texture of natural woods and its touch by hand.
- Rust-resistant black chrome-plated shank.



Code No.	B-300							Inner Ctn.	Outer Ctn.	JAN (4907587)
120071	⊖ 5.5× 75	5.5	0.8	75	5.5	30	182	6	120	080363
120072	⊖ 6 × 100	6.0	0.9	100	6.4	32	215	6	120	080370
120073	⊖ 6 × 150	6.0	0.9	150	6.4	32	265	6	60	080424
120074	⊖ 8 × 150	8.0	1.1	150	8.0	35	275	6	60	080387
120075	⊕ 1 × 75	⊕No.1	75	5.5	30	182	6	120	080394	
120076	⊕ 2 × 100	⊕No.2	100	6.4	32	215	6	120	080400	
120077	⊕ 2 × 150	⊕No.2	150	6.4	32	265	6	60	080431	
120078	⊕ 3 × 150	⊕No.3	150	8.0	35	275	6	60	080417	

Wood-Compo Screwdriver(Stubby Type) | 320

- Stubby type good for screw tightening in cramped spaces.
- Non-slip grip even if used with oil-covered hands. "Wood-resin" is used to offer the texture of natural woods and its touch by hand.
- Rust-resistant black chrome-plated shank.



Code No.	320							Inner Ctn.	Outer Ctn.	JAN (4907587)
120035	⊖ 6× 15	6.0	0.9	15	6.0	35	68	6	120	074508
120037	⊕ 2× 15	⊕No.2	15	6.0	35	68	6	120	074522	

Wood-Compo Tang-Thru Screwdriver | B-330

- Non-slip grip even if used with oil-covered hands. "Wood-resin" is used to offer the texture of natural woods and its touch by hand.
- Tang-thru type. With a nut good for striking by a hammer.
- Rust-resistant black chrome-plated shank.



Code No.	B-330							Inner Ctn.	Outer Ctn.	JAN (4907587)
120041	⊖ 5.5× 75	5.5	0.8	75	5.5	30	183	6	120	074362
120042	⊖ 6 × 100	6.0	0.9	100	6.4	32	217	6	120	074379
120043	⊖ 6 × 150	6.0	0.9	150	6.4	32	267	6	60	074553
120044	⊖ 8 × 150	8.0	1.1	150	8.0	35	277	6	60	074386
120045	⊕ 1 × 75	⊕No.1	75	5.5	30	183	6	120	074393	
120046	⊕ 2 × 100	⊕No.2	100	6.4	32	217	6	120	074409	
120047	⊕ 2 × 150	⊕No.2	150	6.4	32	267	6	60	074560	
120048	⊕ 3 × 150	⊕No.3	150	8.0	35	277	6	60	074416	

ONE POINT

Ultimate Non-Slip Screwdriver even with oily hands

Uses biomass plastic which contains 70% wood powder.

This compound material forms the wood-compo screwdrivers, which is a new product of a category that can be called a "new wooden handled" screwdriver with texture of wood and excellent strength.

At development phase, this product proved to be "non-slip" even in an oily hand. This feature is most applicable to work that involves oil such as car maintenance and iron work.

Wood powder

+

Pellets

Wood-Compo TORX Screwdriver | B-340TX



- Non-slip grip even if used with oil-covered hands. "Wood-resin" is used to offer the texture of natural woods and its touch by hand.
- Electroless nickel plated precise finish tip.
- For tamper-proof screws.



Code No.	B-340TX						Inner Ctn.	Outer Ctn.	JAN (4907587)
120081	T10H× 80	2.72	80	5.5	30	188	6	120	075109
120082	T15H× 80	3.26	80	5.5	30	188	6	120	075116
120083	T20H×120	3.84	120	5.5	30	228	6	120	075123
120084	T25H×120	4.40	120	6.4	32	236	6	60	075130
120085	T27H×120	4.96	120	6.4	32	236	6	60	075147
120086	T30H×120	5.49	120	8.0	35	246	6	60	075154
120087	T40H×120	6.60	120	8.0	35	246	6	60	075161

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VESSEL is an official licensee of Acument Intellectual Properties LLC.

Wood-Compo Socket Screwdriver | B-380NT



- Non-slip grip even if used with oil-covered hands. "Wood-resin" is used to offer the texture of natural woods and its touch by hand.
- Black oxide plated socket.
- Hex shank for spanner (chrome plating).



Code No.	B-380NT						Inner Ctn.	Outer Ctn.	JAN (4907587)
120091	A/F 5 ×125	5.0	8	18	125	5.0	30	224	075178
120092	A/F 5.5 ×125	5.5	9	18	125	5.0	30	224	075185
120093	A/F 7 ×125	7.0	10	18	125	5.0	30	224	075192
120094	A/F 8 ×125	8.0	12	20	125	7.0	32	233	075208
120095	A/F 10 ×125	10.0	15	20	125	7.0	32	233	075215
120096	A/F 12 ×125	12.0	17	20	125	7.0	32	233	075222
120097	A/F 13 ×125	13.0	19	22	125	7.0	32	233	075239
120098	A/F 14 ×125	14.0	19	22	125	7.0	32	233	075246

Non-slip Tang-Thru Screwdrivers | B-370

- Unique Non-Slip finish that prevents slipping even if oil adheres on the grip.
- Tang-thru type, with large nut. Good for heavy-duty work.
- The end of the handle has a color ring which facilitates to distinguish the tip difference at a glance.



Code No.	B-370						Inner Ctn.	Outer Ctn.	JAN (4907587)
267590	⊖ 5.5× 75	5.5	0.8	75	5.5	27.4	183	6	078650
267591	⊖ 6 × 100	6.0	0.9	100	6.4	30.7	226	6	078667
267592	⊖ 8 × 150	8.0	1.1	150	8.0	36.2	290	6	078674
267593	⊕ 1 × 75	⊕No.1	75	5.5	27.4	183	6	078681	
267594	⊕ 2 × 100	⊕No.2	100	6.4	30.7	226	6	078698	
267595	⊕ 3 × 150	⊕No.3	150	8.0	36.2	290	6	078704	

Wood-Compo Ratchet Handle | HRH2-W | HRH3-W

- "Wood-resin" is used to offer the texture of natural woods and its touch by hand.
- Ultra-compact, high-strength head with wedge-type 72-gear (5° feed angle) ratchet.
- Woody handle prevents hand slippage.



Code No.	Model No.	Designation Insertion	Head Width	Head Height	Shank Dia.	Length (mm)	weight (g)	Inner Ctn.	Outer Ctn.	JAN (4907587)
162004	HRH2-W	1/4"sq. (6.35mm)	20	20	30	145	126	6	60	200044
162005	HRH3-W	3/8" sq. (9.5mm)	25	27	30	180	212	6	60	200051

Wood-Compo Swivel Ratchet Handle | HRH2-SW | HRH3-SW

- The woody handle has a narrow shape that makes it easy to work in deep places and prevents slipping out.
- "Wood-resin" is used to offer the texture of natural woods and its touch by hand.
- The low profile swiveling head enables quick turning by holding the handle in the vertical position, like you use a screwdriver.



Code No.	Model No.	Designation Insertion	Head Width	Head Height	Shank Dia.	Length (mm)	weight (g)	Inner Ctn.	Outer Ctn.	JAN (4907587)
162104	HRH2-SW	1/4"sq. (6.35mm)	32	26.4	19.5	169	135	6	60	008749
162105	HRH3-SW	3/8" sq. (9.5mm)	32	29.5	19.5	169	142	6	60	008756

Wood-Compo Socket Wrench Set

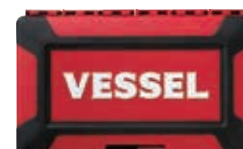
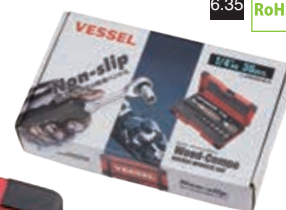
- "Wood-resin" is used to offer the texture of natural woods and its touch by hand.
- Ultra-compact, high-strength head with wedge-type 72-gear ratchet.
- Woody handle prevents hand slippage.
- Surface-contact socket prevents damages to bolt and nut corners.
- Comes in a two-layer case to prevent misplacing the tool.

HRW2001M-W

Code No.	Package Size (mm)	Inner Ctn.	Outer Ctn.	JAN (4907587)
162001	265×160×55	3	9	200013

Set content [1/4"sq. (6.35mm) 36pcs.]

Handle	Wood-Compo ratchet handle 1/4"sq. (6.35mm) Wood-Compo stubby handle 1/4"sq. (6.35mm)
Contents	Universal socket adaptor 1/4"sq. (6.35mm) Extension bar Overall length 100mm 1/4"sq. (6.35mm) Bit socket adaptor 1/4"sq. ⇄ 1/4"hex.
1/4" sockets	A/F 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm
Bits	⊖4, ⊕6, ⊕1, ⊕2, ⊕3, H1.5, H2, H2.5, H3, H4, H5, T10, T15, T20, T25, T27, T30, T40



6.35 RoHS

Wood-Compo Socket Wrench Set

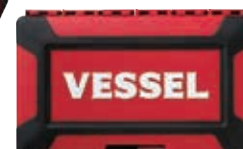
- "Wood-resin" is used to offer the texture of natural woods and its touch by hand.
- Ultra-compact, high-strength head with wedge-type 72-gear ratchet.
- Woody handle prevents hand slippage.
- Surface-contact socket prevents damages to bolt and nut corners.
- Comes in a two-layer case to prevent misplacing the tool.

HRW3002M-W

Code No.	Package Size (mm)	Inner Ctn.	Outer Ctn.	JAN (4907587)
162002	265×160×55	3	9	200020

Set content [3/8"sq. (9.5mm) 16pcs.]

Handle	Wood-Compo ratchet handle 3/8"sq. (9.5mm)
Contents	Universal socket adaptor 3/8"sq. (9.5mm) Sliding T-shaped handle 3/8"sq. (9.5mm) Extension bar Overall length 150mm 3/8"sq. (9.5mm) Extension bar Overall length 75mm 3/8"sq. (9.5mm)
3/8" sockets	A/F 7, 8, 10, 11, 12, 13, 14, 17, 19, 21, 22mm



9.5 RoHS

Wood-Compo Socket Wrench Set

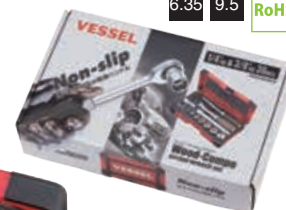
- "Wood-resin" is used to offer the texture of natural woods and its touch by hand.
- Ultra-compact, high-strength head with wedge-type 72-gear ratchet.
- Woody handle prevents hand slippage.
- Surface-contact socket prevents damages to bolt and nut corners.
- Comes in a two-layer case to prevent misplacing the tool.

HRW2303M-W

Code No.	Package Size (mm)	Inner Ctn.	Outer Ctn.	JAN (4907587)
162003	265×160×55	3	9	200037

Set content [1/4"sq. (6.35mm)/3/8"sq. (9.5mm) 36pcs.]

Handle	Wood-Compo ratchet handle 3/8"sq. (9.5mm) Wood-Compo spinner handle 1/4"sq. (6.35mm)
Contents	Universal socket adaptor 3/8"sq. (9.5mm) Extension bar Overall length 150mm 3/8"sq. (9.5mm) Bit socket adaptor 1/4"sq. ⇄ 1/4"hex.
1/4" sockets	A/F 4, 4.5, 5, 5.5, 6, 7, 8mm
3/8" sockets	A/F 10, 11, 12, 13, 14, 17, 19, 21, 22mm
Bits	⊖4, ⊕6, ⊕1, ⊕2, ⊕3, H3, H4, H5, H6, T10, T15, T20, T25, T30, T40



6.35 9.5 RoHS

Wood-Compo Swivel Socket Wrench Set

HRW2004M-SW

- The woody handle has a narrow shape that makes it easy to work in deep places and prevents slipping out.
- "Wood-resin" is used to offer the texture of natural woods and its touch by hand.
- The low profile swiveling head enables quick turning by holding the handle in the vertical position, like you use a screwdriver.
- Surface-contact socket prevents damages to bolt and nut corners.
- Comes in a two-layer case to prevent misplacing the tool.

HRW2004M-SW

Code No.	Package Size (mm)	Inner Ctn.	Outer Ctn.	JAN (4907587)
162102	265×160×55	3	9	008725

Set content [1/4"sq.(6.35mm) 21pcs.]

Handle	Wood-Compo swivel ratchet handle 1/4"sq.(6.35mm)
Contents	Extension bar Overall length 55mm 1/4"sq.(6.35mm) Extension bar Overall length 150mm 1/4"sq.(6.35mm) Quick spinner 1/4"sq.(6.35mm)
Hex key wrench	A/F 2.5, 3, 4, 5, 6, 8mm
1/4" sockets	A/F 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm

Wood-Compo Swivel Socket Wrench Set

HRW3005M-SW

- The woody handle has a narrow shape that makes it easy to work in deep places and prevents slipping out.
- "Wood-resin" is used to offer the texture of natural woods and its touch by hand.
- The low profile swiveling head enables quick turning by holding the handle in the vertical position, like you use a screwdriver.
- Surface-contact socket prevents damages to bolt and nut corners.
- Comes in a two-layer case to prevent misplacing the tool.

HRW3005M-SW

Code No.	Package Size (mm)	Inner Ctn.	Outer Ctn.	JAN (4907587)
162103	265×160×55	3	9	008732

Set content [3/8"sq.(9.5mm) 16pcs.]

Handle	Wood-Compo swivel ratchet handle 3/8"sq.(9.5mm)
Contents	Extension bar Overall length 150mm 3/8"sq.(9.5mm) Quick spinner 3/8"sq.(9.5mm)
Deep socket 3/8"sq.(9.5mm)	A/F 8, 10, 12, 14mm
3/8" sockets	A/F 8, 10, 12, 13, 14, 17, 19, 21, 24mm



HAND TOOLS

INDUSTRIAL BITS

CONSTRUCTION BITS

RECIPROCATING SAW BLADES

ELECTRIC TOOLS

AIR TOOLS

AIR NIPPERS

STATIC SOLUTIONS

GASOLINE ENGINE TOOLS

Precision Screwdrivers series

Technology from an over 30-year development of precision bits

TORX®

The basic shape consists of six earlobe-shaped curves. Compared to hexagonal or cross holes, the drive efficiency is higher, ensuring reliable torque transmission and eliminating cam-out.

TORX® is a registered trademark of Acument Intellectual Properties LLC, USA. VESSEL is an official licensee of Acument Intellectual Properties LLC.

TORXplus® IPR



The tamper-proof Torx Plus has five blades (pentalobe), unlike the six blades of the regular Torx Plus. This is used in electronic devices where disassembly is prohibited.

TORX PLUS® is a registered trademark of Acument Intellectual Properties LLC, USA.

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Microstix®

The three-wing geometry screw, and this supports high torque and prevents damages of screws.

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Can slide to the easy-to-use position.



Precision screwdriver series with VESSEL's unique cushion grip.

Various types are available to support a wide range of maintenance of precision instruments.

Quick Turning Position



Hold either the resin grip or the knurled part for quick turning.

Adjustment Position



*The resin grip may loosen depending on the operating temperature.

Hold the resin grip firmly and turn.

※Image is for illustration purposes.

G-grip Screwdriver

990

- The end cap rotates under the weight of the steel ball and moves to an easy-to-grip position.
- Black point tip. Fits to screws without backlash.
- Slotted tip-end is a straight type.

StepFlat

RoHS Cr-V steel



Code No.	990								Inner Ctn.	Outer Ctn.	JAN (4907587)
125901	⊖ 1.8 × 50	1.8	0.25	50	2.5	16	21	148	12	240	008015
125902	⊖ 2.5 × 75	2.5	0.3	75	2.5	16	21	173	12	240	008022
125903	⊖ 3 × 100	3	0.5	100	3.0	16	21	198	12	240	008039
125904	⊖ 4 × 100	4	0.6	100	4.0	16	21	198	12	240	008046
125905	⊖ 5 × 100	5	0.8	100	5.0	30	38	215	6	60	008053
125913	⊕ 1 × 100	⊕No.1	100	3.0	30	38	215	6	60	008084	
125914	⊕ 2 × 100	⊕No.2	100	5.0	30	38	215	6	60	008091	

G-grip TORX Screwdriver

990TX

- The end cap rotates under the weight of the steel ball and moves to an easy-to-grip position.
- A special precision spring is welded to the tip by a laser, and the spring action enables to firmly catch the Torx screw.

MagicSpring
※T6~T20

Cr-V steel



Code No.	990TX								Inner Ctn.	Outer Ctn.	JAN (4907587)
125926	⊕ MagicSpring T8 × 40	2.3	40	2.5	16	21	138	12	240	008145	
125927	⊕ MagicSpring T9 × 40	2.48	40	4.0	16	21	138	12	240	008152	
125928	⊕ MagicSpring T10 × 80	2.72	80	4.0	30	38	195	6	60	008169	
125929	⊕ MagicSpring T15 × 80	3.26	80	5.5	30	38	195	6	60	008176	
125930	⊕ MagicSpring T20 × 80	3.84	80	5.5	30	38	195	6	60	008183	

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Micro Screwdriver

9900

- The handle is equipped with a rotating cap for quick turning.
- Black point tip. Precision of tip-end is dramatically improved.

RoHS Cr-V steel



Code No.	9900								Inner Ctn.	Outer Ctn.	JAN (4907587)
125621	⊖ 1.8 × 50	1.8	0.25	50	2.5	10	145	12	120	006615	
125622	⊖ 2.5 × 75	2.5	0.35	75	2.5	10	170	12	120	006622	
125623	⊖ 3 × 100	3	0.45	100	3	10	195	12	120	006639	
125624	⊖ 3 × 150	3	0.45	150	3	10	245	12	120	006646	
125625	⊕ 00 × 75	⊕No.00	75	2.5	10	170	12	120	006653		
125626	⊕ 0 × 100	⊕No.0	100	3	10	195	12	120	006660		
125627	⊕ 0 × 150	⊕No.0	150	3	10	245	12	120	006677		

3-Piece Micro Screwdriver Set

9902 9903

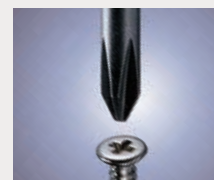
- Two types are available to suit the purpose of work in the precision field.
- Set of frequently used sizes.
- Ideal for adjusting and repairing precision instruments, electrical equipment, glasses, watches, etc.



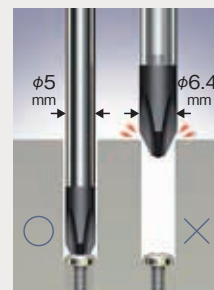
Code No.	Model No.	Set content	Package size (mm)	Inner Ctn.	Outer Ctn.	JAN (4907587)
125636	9902	No.9900 ⊕00×75, ⊕0×100, ⊖1.8×50	235×70×15	5	30	—
125637	9903	No.9900 ⊕00×75, ⊖2.5×75, ⊖3×100	235×70×15	5	30	—

ONE POINT

Features of the precision tip



Precisely-finished tip-end good for minuscule screws
990 / 9900



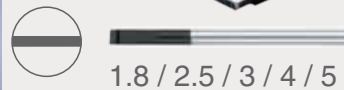
A deep recessed area can also be accessed by the thin shank!



6mm hole, M3 round head screw, and screw head dia. of $\phi 5.5$ mm



Two-step flat shape, enabling the tip to fit into a screw
990

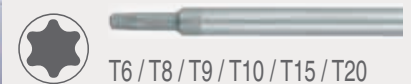


StepFlat



Catches a TORX screw
A special-shape spring is welded to the tip by laser.

990TX



MagicSpring

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Precision Micro Screwdriver | TD-51

- Body made of rust-resistant stainless steel (end cap part made of resin).
- For assembly, repair, and disassembly of precision instruments, cameras, watches, glasses, etc.

RoHS



Code No.	TD-51						(mm)	Cushion Grip color	Inner Ctn.	Outer Ctn.	JAN (4907587)
251350	⊖ 0.7	0.7	0.15	10	0.7	90		Purple	10	100	009289
251351	⊖ 0.9	0.9	0.2	10	0.9	90		Green	10	100	009012
251352	⊖ 1.2	1.2	0.25	10	1.2	90		Blue	10	100	009029
251353	⊖ 1.8	1.8	0.3	20	1.8	100		Black	10	100	009036
251354	⊖ 2.3	2.3	0.35	22	2.3	102		Purple	10	100	009043
251355	⊖ 3.0	3.0	0.4	26	3.0	106		Red	10	100	009050
251356	⊖ 3.5	3.5	0.5	28	3.5	108		Yellow	10	100	009067
251394	⊕ 0000	⊕ No.0000	17	1.4	97			Lemon	10	100	005946
251393	⊕ 000	⊕ No.000	20	1.6	100			Yellow green	10	100	005939
251357	⊕ 00	⊕ No.00	24	2.4	104			Red	10	100	009074
251358	⊕ 0	⊕ No.0	26	3.0	106			Yellow	10	100	009081
251359	⊕ 1	⊕ No.1	26	3.0	106			Green	10	100	009296

Package size...160×35×14mm

Precision Nutdriver | TD-52

- Body made of rust-resistant stainless steel (end cap part made of resin).
- For assembly, repair, and disassembly of precision instruments, spacers, goods for hobby, etc.

RoHS



Adaptable to most of screws used for rimless spectacles

Code No.	TD-52							(mm)	Cushion Grip color	Inner Ctn.	Outer Ctn.	JAN (4907587)
251361	A/F 2.2	—	4.0	12	25	3.0	105		Green	10	100	009098
251362	A/F 3.0		3.0	5.0	7	25	3.0	105	Blue	10	100	009104
251363	A/F 4.0		4.0	6.0	9	25	3.0	105	Black	10	100	009111
251364	A/F 4.5		4.5	6.5	10	25	3.0	105	Purple	10	100	009128
251365	A/F 5.0		5.0	7.0	11	25	3.0	105	Red	10	100	009135
251366	A/F 5.5		5.5	8.0	10	25	3.0	105	Yellow	10	100	009142

Package size...160×35×14mm

Precision Hex Driver | TD-53

- Body made of rust-resistant stainless steel (end cap part made of resin).
- For assembly, repair, and disassembly of precision instruments, goods for hobby, etc.

RoHS



									
Code No.	TD-53				(mm)	Cushion Grip color	Inner Ctn.	Outer Ctn.	JAN (4907587)
251371	H 0.89	0.89	18	98		Green	10	100	009159
251372	H 1.27	1.27	18	98		Blue	10	100	009166
251373	H 1.5	1.5	18	98		Black	10	100	009173
251374	H 2.0	2.0	24	104		Purple	10	100	009180
251375	H 2.5	2.5	24	104		Yellow	10	100	009197

Package size...160×35×14mm

Watch Band Pin Punch | TD-54

- Body made of rust-resistant stainless steel (end cap part made of resin).
- For adjusting the length of watch metal bands.

RoHS



Code No.	TD-54					Inner Ctn.	Outer Ctn.	JAN (4907587)
251380	0.7	0.7	10	0.7	90 (mm)	10	100	009302

Package size...160×35×14mm

Package size...160×35×14mm

Precision Pentalobe Screwdriver | TD-54

- Body made of rust-resistant stainless steel (end cap part made of resin).
- For maintenance of precision equipment such as PCs, smartphones, etc.

RoHS



Code No.	TD-54			 (mm)	Cushion Grip color	Inner Ctn.	Outer Ctn.	JAN (4907587)
251378	1IPR	0.84	20	100	Red	10	100	009319
251379	4IPR	1.29	20	100	Yellow	10	100	009326

Package size...160×35×14mm

Precision TORX® Screwdriver | TD-59

- Body made of rust-resistant stainless steel (end cap part made of resin).
- For maintenance of precision equipment such as PCs, smartphones, etc.

RoHS



→See P53 One point

Code No.	TD-59				Cushion Grip color	Inner Ctn.	Outer Ctn.	JAN (4907587)
251385	T1	0.84	20	100	Green	10	100	009333
251386	T2	0.95	20	100	Blue	10	100	009340
251387	T3	1.13	20	100	Black	10	100	009357
251388	T4	1.29	20	100	Purple	10	100	009364
251390	T5	1.42	20	100	Yellow	10	100	008626

Package size...160×35×14mm

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Precision Micro Stix® Screwdriver | TD-54

- Body made of rust-resistant stainless steel (end cap part made of resin).
- For maintenance of precision equipment such as portable game consoles, smartphones, etc.

RoHS

micro stix®





Code No.	TD-54		軸長	Length (mm)	Cushion Grip color	Inner Ctn.	Outer Ctn.	JAN (4907587)
251425	3ULR-M	0.5	17	97	Lemon	10	100	008008
251424	3ULR-00	0.7	20	100	Yellow green	10	100	007995
251423	3ULR-F	0.9	22	102	Green	10	100	007988
251422	3ULR-0	1.1	26	106	Blue	10	100	007971
251421	3ULR-1	1.4	26	106	Black	10	100	007964

Package size...160×35×14mm

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Ceramic Adjuster

9000

- Non-inductive and non-magnetic zirconia ceramic chip used.
- For adjustment of electronic components, audio devices, computers, communication equipment, and electronic components.

RoHS

Code No.	Model No.	End cap color	Inner Ctn.	Outer Ctn.	JAN (4907587)
125641	⊖ 0.9×30	Green	10	60	015471
125642	⊖ 1.3×30	White	10	60	015488
125643	⊖ 1.8×30	Yellow	10	60	015495
125644	⊖ 2.6×30	Red	10	60	015518
125645	⊖ 3.4×15	Black	10	60	015549
125646	⊕ 0 ×30	Navy blue	10	60	015556
125647	⊕ 1.7×30	Lilac	10	60	015587

※For ⊖3.4×15, a cap is not provided.

Package size...190×45×14mm

Replacement Ceramic Blade / Ceramic Blade Adapter

CA

- Chip dedicated to automatic adjusting machines.
- Highly durable zirconia ceramic.

RoHS

Model No.	Code No.	Inner Ctn.	Outer Ctn.	JAN (4907587)
CA-09 (⊖0.9)	125670	10	60	015587
CA-13 (⊖1.3)	125671	10	60	015587
CA-18 (⊖1.8)	125672	10	60	015587
CA-26 (⊖2.6)	125673	10	60	015587
CA-34 (⊖3.4)	125674	10	60	015587
CA-10 (⊕0)	125675	10	60	015587
CA-11 (⊕1.7)	125676	10	60	015587

Inner Ctn.:10pcs

Precision Screwdriver Set

TD-55

- Main body made of stainless steel (end cap part made of resin)
- Packaged in a transparent case for easy carrying.

RoHS

Code No.	Model No.	Set content	Package size Hanger included (mm)	Inner Ctn.	JAN (4907587)
251381	TD-55	⊖0.9, ⊖1.2, ⊖1.8, ⊖2.3, ⊖3.0, ⊖3.5	140×86×20	10	009210

Precision Screwdriver Set

TD-56

- Main body made of stainless steel (end cap part made of resin)
- Packaged in a transparent case for easy carrying.

RoHS

Code No.	Model No.	Set content	Package size Hanger included (mm)	Inner Ctn.	JAN (4907587)
251382	TD-56	⊖0.9, ⊖1.2, ⊖1.8, ⊖2.3, ⊕0.0, ⊕0	140×86×20	10	009227

Precision Screwdriver Set

TD-56S

- Main body made of stainless steel (end cap part made of resin)
- Packaged in a transparent case for easy carrying.

RoHS

Code No.	Model No.	Set content	Package size Hanger included (mm)	Inner Ctn.	JAN (4907587)
251389	TD-56S	⊖0.7, ⊖0.9, ⊕0000, ⊕000, ⊕00, ⊕0	140×86×20	10	005922

Precision Screwdriver Set

TD-56Y

- Main body made of stainless steel (end cap part made of resin)
- Packaged in a transparent case for easy carrying.

RoHS

Code No.	Model No.	Set content	Package size Hanger included (mm)	Inner Ctn.	JAN (4907587)
251401	TD-56Y	⊕0.0, ★T5, ★1IPR, ★3ULR-0, ★3ULR-F, ★3ULR-M	140×86×20	10	008619

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Precision Nut Driver Set

TD-57

- Main body made of stainless steel (end cap part made of resin)
- Packaged in a transparent case for easy carrying.

RoHS

Code No.	Model No.	Set content	Package size Hanger included (mm)	Inner Ctn.	JAN (4907587)
251383	TD-57	⊖2.2, ⊖3.0, ⊖4.0, ⊖4.5, ⊖5.0, ⊖5.5	140×86×20	10	009234

Precision Hex. Driver Set

TD-58

- Main body made of stainless steel (end cap part made of resin)
- Packaged in a transparent case for easy carrying.

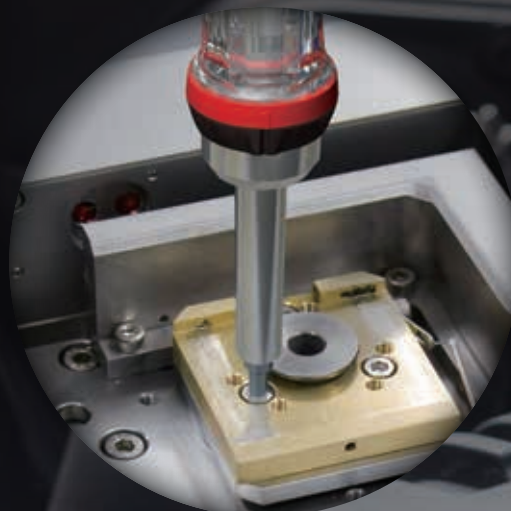
RoHS

Code No.	Model No.	Set content	Package size Hanger included (mm)	Inner Ctn.	JAN (4907587)
251384	TD-58	⊖0.89, ⊖1.27, ⊖1.5, ⊖2.0, ⊖2.5, ⊕00	140×86×20	10	009241

TD-6800

Ratchet Screwdriver

One-handed operation without re-gripping.



Screwdriver with ratchet function that enables to tighten screws only by repetitive wrist movements.

Improved gear strength and unique ratchet design enables final tightening.



TD-6804MG

Ratchet Screwdriver

Newly developed 72-gear ratchet for smooth rotation.

Ideal ratchet series for areas where space is limited.

	Flexible	Plate Ratchet	Screw catcher	Stubby	Driver	Power
At a corner edge						
In a narrow area						
In a deep recessed area						
For force-requiring tightening						
	TD-6700FX-4	TD-6700FX-4	TD-74/75/76/77/78/79 TD-70/71/72 TX-11	TD-73MC TX-12MC	TD-6700W-23	
	TD-6700FX-4				TD-6800 Series/2200	
		TD-74/75/76/77/78/79	TD-73MC TX-12MC		TD-6800 Series/2200	TD-80 TD-81R/81G/81B

Ratchet Screwdriver (4-pc bit set) | TD-6804MG

- Rotation angle of 5°, 72 gears for smooth clicking. Two pawls support the ratchet gear for high strength. Good for final tightening.
- Handle is made of oil-resistant cellulose acetate resin.
- Cassette type bit storage inside the handle for easy carrying.
- One-touch magnetic bit replacement.
- Bit insertion ● 6.35mm.



TD-6804MG

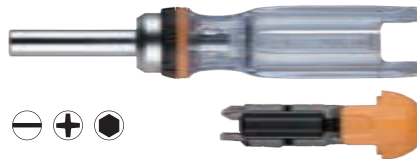
Code No.	Package size (mm)	Inner Ctn.	Outer Ctn.	JAN (4907587)
247022	235×80×29	5	30	008459

Set content

Body	length 177mm dia. 28.5mm
Bits	⊕1, ⊕2, ⊕3, ⊖6 ×25.4mm

Ratchet Screwdriver (8-pc bit set) | TD-6808MG

- Rotation angle of 5°, 72 gears for smooth clicking. Two pawls support the ratchet gear for high strength. Good for final tightening.
- Handle is made of oil-resistant cellulose acetate resin.
- Cassette type bit storage inside the handle for easy carrying.
- 8 types of bits, including hex bits, are stored. One-touch magnetic bit replacement.
- Bit insertion ● 6.35mm.



TD-6808MG

Code No.	Package size (mm)	Inner Ctn.	Outer Ctn.	JAN (4907587)
247023	235×80×29	5	30	008466

Set content

Body	length 177mm dia. 28.5mm
Bits	⊕1, ⊕2, ⊕3, ⊖6, H2.5, H3, H4, H5 ×25.4mm

Ratchet Screwdriver TORX (8-pc bit set) | TD-6808TX

- Rotation angle of 5°, 72 gears for smooth clicking. Two pawls support the ratchet gear for high strength. Good for final tightening.
- Handle is made of oil-resistant cellulose acetate resin.
- Cassette type bit storage inside the handle for easy carrying.
- 8 types of bits, including TORX bits, are stored. One-touch magnetic bit replacement.
- Bit insertion ● 6.35mm.



TD-6808TX

Code No.	Package size (mm)	Inner Ctn.	Outer Ctn.	JAN (4907587)
247024	235×80×29	5	30	008473

Set content

Body	length 177mm dia. 28.5mm
Bits	⊕2, ⊕3, T10H, T15H, T20H, T25H, T30H, T40H ×25.4mm

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Ratchet Screwdriver (16-pc bit set) | TD-6816MG

- Rotation angle of 5°, 72 gears for smooth clicking. Two pawls support the ratchet gear for high strength. Good for final tightening.
- Handle is made of oil-resistant cellulose acetate resin.
- Cassette type bit storage inside the handle for easy carrying.
- 16 types of bits for a wide range of work. One-touch magnetic bit replacement.
- Bit insertion ● 6.35mm.



TD-6816MG

Code No.	Package size (mm)	Inner Ctn.	Outer Ctn.	JAN (4907587)
247025	235×90×29	5	30	008480

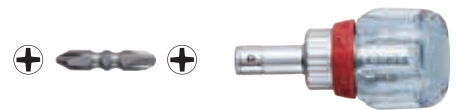
Set content

Body	length 177mm dia. 28.5mm
Bits	⊕1, ⊕2, ⊕3, ⊖6, H2, H2.5, H3, H4, H5, T10H, T15H, T20H, T25H, T27H, T30H, T40H ×25.4mm

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Ratchet Stubby Screwdriver | TD-6700W-23

- Improved workability in cramped spaces! Stubby type fits in your hand.
- Rotation angle of 5°, 72 gears for smooth clicking. Strong gear structure for final tightening.
- Handle is made of oil-resistant cellulose acetate resin.
- One-touch ball-lock type bit replacement.
- Bit insertion ● 6.35mm.



TD-6700W-23

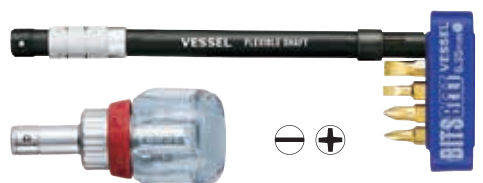
Code No.	Package size (mm)	Inner Ctn.	Outer Ctn.	JAN (4907587)
247026	135×70×40	10	60	008497

Set content

Body	length 77mm dia. 35mm
Bits	⊕2 / ⊕3 × 35mm

Ratchet Stubby Screwdriver with Flexible Shaft | TD-6700FX-4

- Improved workability in cramped spaces! Stubby type fits in your hand.
- Rotation angle of 5°, 72 gears for smooth clicking. Strong gear structure for final tightening.
- Handle is made of oil-resistant cellulose acetate resin.
- One-touch ball-lock type bit replacement.
- Bit insertion ● 6.35mm.



TD-6700FX-4

Code No.	Package size (mm)	Inner Ctn.	Outer Ctn.	JAN (4907587)
247027	235×80×40	5	30	008503

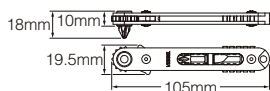
Set content

Body	length 77mm dia. 35mm
Bits	⊕1, ⊕2, ⊖4, ⊖6 × 33mm
Flexible Shaft (length 165mm)	

Flat-shaped Ratchet Screwdriver (straight type)

TD-74

- 18mm thin head ratchet.
- Magnetized bits convenient for work even in cramped spaces.
- 2 bits can be stored in the body. With a hanging hole.
- High-precision ratchet gear for firm tightening.



Code No.	Model No.	Set content	Package size (mm)	Inner Ctn.	JAN (4907587)
250074	TD-74	Flat-shaped Ratchet Screwdriver (Straight type) Bits $\oplus 1, \oplus 2, \ominus 6 \times 18\text{mm}$	160×35×21	10	008275

Flat-shaped Ratchet Screwdriver (straight type)

TD-75

- 18mm thin head ratchet.
- Magnetized bits convenient for work even in cramped spaces.
- 2 bits can be stored in the body. With a hanging hole.
- High-precision ratchet gear for firm tightening.



Code No.	Model No.	Set content	Package size (mm)	Inner Ctn.	JAN (4907587)
250075	TD-75	Flat-shaped Ratchet Screwdriver (Straight type) Bits $\oplus 1, \oplus 2, \oplus 3, \ominus 4, \ominus 6 \times 18\text{mm}$ Bit holder	160×50×21	10	008282

Flat-shaped Ratchet Screwdriver (straight type)

TD-76

- 18mm thin head ratchet.
- Magnetized bits convenient for work even in cramped spaces.
- 2 bits can be stored in the body. With a hanging hole.
- High-precision ratchet gear for firm tightening.

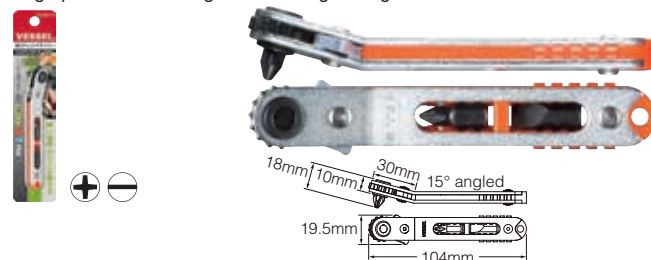


Code No.	Model No.	Set content	Package size (mm)	Inner Ctn.	JAN (4907587)
250076	TD-76	Flat-shaped Ratchet Screwdriver (Straight type) Bits $\oplus 1, \oplus 2, \oplus 3, \ominus 4, \ominus 6, \text{H}2.5, \text{H}3, \text{H}4, \text{H}5, \text{H}6 \times 18\text{mm}$ Bit holder	160×50×21	10	008299

Flat-shaped Ratchet Screwdriver (angled type)

TD-77

- 18mm thin head ratchet.
- Magnetized bits convenient for work even in cramped spaces.
- 2 bits can be stored in the body. With a hanging hole.
- High-precision ratchet gear for firm tightening.



Code No.	Model No.	Set content	Package size (mm)	Inner Ctn.	JAN (4907587)
250077	TD-77	Flat-shaped Ratchet Screwdriver (Angled type) Bits $\oplus 1, \oplus 2, \ominus 6 \times 18\text{mm}$	160×35×21	10	008305

Flat-shaped Ratchet Screwdriver (angled type)

TD-78

- 18mm thin head ratchet.
- Magnetized bits convenient for work even in cramped spaces.
- 2 bits can be stored in the body. With a hanging hole.
- High-precision ratchet gear for firm tightening.



Code No.	Model No.	Set content	Package size (mm)	Inner Ctn.	JAN (4907587)
250078	TD-78	Flat-shaped Ratchet Screwdriver (Angled type) Bits $\oplus 1, \oplus 2, \oplus 3, \ominus 4, \ominus 6 \times 18\text{mm}$ Bit holder	160×50×21	10	008312

Flat-shaped Ratchet Screwdriver (angled type)

TD-79

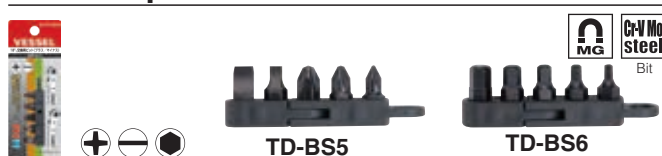
- 18mm thin head ratchet.
- Magnetized bits convenient for work even in cramped spaces.
- 2 bits can be stored in the body. With a hanging hole.
- High-precision ratchet gear for firm tightening.



Code No.	Model No.	Set content	Package size (mm)	Inner Ctn.	JAN (4907587)
250079	TD-79	Flat-shaped Ratchet Screwdriver (Angled type) Bits $\oplus 1, \oplus 2, \oplus 3, \ominus 4, \ominus 6, \text{H}2.5, \text{H}3, \text{H}4, \text{H}5, \text{H}6 \times 18\text{mm}$ Bit holder	160×50×21	10	008329

18mm replacement bits

TD-BS



Code No.	Model No.	Set content	Package size (mm)	Inner Ctn.	JAN (4907587)
251304	TD-BS5	Bits $\oplus 1, \oplus 2, \oplus 3, \ominus 4, \ominus 6 \times 18\text{mm}$ Bit holder	120×40×23	10	061911
251305	TD-BS6	Bits $\text{H}2.5, \text{H}3, \text{H}4, \text{H}5, \text{H}6 \times 18\text{mm}$ Bit holder	120×40×23	10	061928

Flat Plate Ratchet Screwdriver Set | TD-70

- Low profile type convenient for assembly and disassembly.
- Speed ring for quick turning. Square drive 6.35mm when removed.
- Bit insertion $\bullet 6.35\text{mm}$.

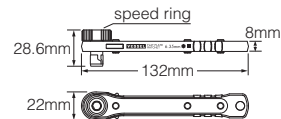
Cr-V Mo
steel
Bit

TD-70

Code No.	Package size (mm)	Inner Ctn.	JAN (4907587)
250070	190×85×27	40	061225

Set content

Body	Plate ratchet screwdriver
Bits	$\oplus 1, \oplus 2, \oplus 3, \ominus 4, \ominus 6, \text{H}2.5, \text{H}3, \text{H}4, \text{H}5, \text{H}6 \times 25.4\text{mm}$
Accessory	Bit belt holder



Flat Plate Ratchet Screwdriver | TD-71

- Low profile type convenient for assembly and disassembly.
- Speed ring for quick turning. Square drive 6.35mm when removed.
- Bit insertion $\bullet 6.35\text{mm}$.

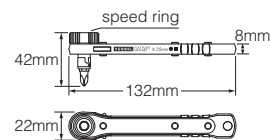
Cr-V Mo
steel
Bit

TD-71

Code No.	Package size (mm)	Inner Ctn.	JAN (4907587)
250071	190×85×27	40	061775

Set content

Body	Plate ratchet screwdriver
Bit	$\oplus 2 \times 25.4\text{mm}$



Flat Plate Ratchet Screwdriver Set | TD-72

- Low profile type convenient for assembly and disassembly.
- Speed ring for quick turning. Square drive 6.35mm when removed.
- Bit insertion $\bullet 6.35\text{mm}$.

Cr-V Mo
steel
Bit
Socket

TD-72

Code No.	Package size (mm)	Inner Ctn.	JAN (4907587)
250072	190×85×27	40	061744

Set content

Body	Plate ratchet screwdriver
Bit	$\oplus 2 \times 25.4\text{mm}$
Sockets	H5.5, 7, 8, 10×26mm
Accessory	Socket holder

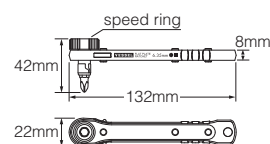


Plate Ratchet Screw Catcher | TD-73MC

- Magnetic screw catcher securely holds screws.
- Includes HEX bits for assembly of furniture and bicycles.
- Speed ring for quick turning. Square drive 6.35mm when removed.
- Bit insertion $\bullet 6.35\text{mm}$.

MG
Screw Holder
Cr-V Mo
steel
Bit

TD-73MC

Code No.	Package size (mm)	Inner Ctn.	JAN (4907587)
250073	190×85×27	40	061799

Set content

Body	Plate ratchet screwdriver
Bits	$\oplus 1, \oplus 2, \oplus 3, \ominus 4, \ominus 6, \text{H}2.5, \text{H}3, \text{H}4, \text{H}5, \text{H}6 \times 25.4\text{mm}$
Accessories	Magnetic Screw Catcher Bit belt holder

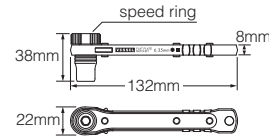


Plate Ratchet/Magnetic Screw Catcher (TORX) | TX-12MC

- Magnetic screw catcher securely holds screws.
- A set including TORX bits frequently used for maintenance work. Can also be used for tamper-proof TORX screws.
- Speed ring for quick turning. Square drive 6.35mm when removed.
- Bit insertion $\bullet 6.35\text{mm}$.

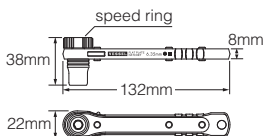
MG
Screw Holder
Cr-V Mo
steel
Bit

TX-12MC

Code No.	Package size (mm)	Inner Ctn.	JAN (4907587)
252022	190×85×27	10	061997

Set content

Body	Plate ratchet screwdriver
Bits	T8H, T10H, T15H, T20H, T25H, T27H, T30H, T40H, $\oplus 2, \ominus 6 \times 25.4\text{mm}$
Accessories	Magnetic Screw Catcher Bit belt holder



→ See P53 One point

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Plate Ratchet TORX Set | TX-11

- For tamper proof TORX screws.
- Low profile type convenient for assembly and disassembly.
- Speed ring for quick turning. Square drive 6.35mm when removed.
- Bit insertion $\bullet 6.35\text{mm}$.

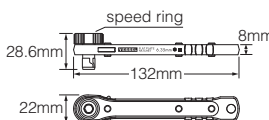
Cr-V Mo
steel
Bit

TX-11

Code No.	Package size (mm)	Inner Ctn.	JAN (4907587)
252021	190×85×27	10	062017

Set content

Body	Plate ratchet screwdriver
Bits	T8H, T10H, T15H, T20H, T25H, T27H, T30H, T40H, $\oplus 2, \ominus 6 \times 25.4\text{mm}$
Accessory	Bit belt holder



→ See P53 One point

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Replacement Bit Set

TD-BS



TD-BS1

TD-BS2

TD-BS3

»See P54 One point

Applicable models

TD-70/TD-71/TD-72/TD-73MC/TD-80/TD-6310HX/TD-6310TX/
TD-6804MG/TD-6808MG/TD-6808TX/TX-11/TX-12MC/TD-6816MG



TD-BS4

Applicable models
TD-70/TD-71/TD-72
TX-11/TD-73MC
TX-12MC
460NT-9S

Cr-V
steel
Socket



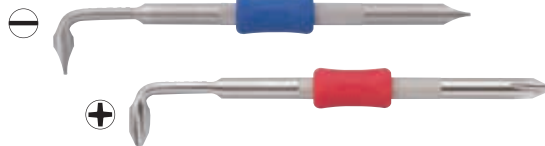
Code No.	Model No.	Set content	Package size (mm)	Inner Ctn.	JAN (4907587)
251300	TD-BS1	⊕1, ⊕2, ⊕3, ⊖4, ⊖6 × 25.4mm Bit belt holder	120×45×23	10	061805
251301	TD-BS2	H 2.5, 3, 4, 5, 6 × 25.4mm Bit belt holder	120×45×23	10	061812
251302	TD-BS3	T10H, T15H, T20H, T25H, T30H × 25.4mm Bit belt holder	120×45×23	10	061829
251303	TD-BS4	A/F 5.5, 7, 8, 10 Socket Holder	120×45×23	10	061836

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"PETADORA" L-shaped Offset Screwdriver TD-61

- Electroless nickel plating to maintain precision of the tip-end.
- L-shaped type convenient for use in cramped spaces.

RoHS MG Cr-V steel



Code No.	TD-61					Cushion (mm)	Inner Grip color	Outer Ctn.	JAN (4907587)
250105	⊖ 6	6	0.9	18	6	117	Blue	10 100	008381
250101	⊕ 1	⊕No.1	16.5	5	105		Green	10 100	008350
250102	⊕ 2	⊕No.2	18	6	117		Red	10 100	008367

Package size...160×35×14mm

"PETADORA" L-shaped Offset Screwdriver TD-63

- Electroless nickel plating to maintain precision of the tip-end.
- L-shaped type convenient for use in cramped spaces.

RoHS MG Cr-V steel



Code No.	TD-63					Cushion (mm)	Inner Grip color	Outer Ctn.	JAN (4907587)
250112	H 2.5	2.5	16.5	5	105		Orange	10 100	008398
250113	H 3	3	16.5	5	105		Purple	10 100	008404
250114	H 4	4	16.5	5	105		Black	10 100	008411
250115	H 5	5	18	6	117		Blue	10 100	008428

Package size...160×35×14mm

"PETADORA" Z-type Offset Screwdriver TD-64

- S-shaped screwdriver convenient when tightening with force is needed in cramped spaces.
- Electroless nickel plating to maintain precision of the tip-end.

RoHS MG Cr-V steel



Code No.	TD-64						Inner Ctn.	Outer Ctn.	JAN (4907587)
250122	⊕2/⊖6	6	0.9/	⊕No.2	18	6	129	10 100	008442
250121	⊕1/⊕2	⊕No.1 /	⊕No.2	16.5	5	126	10 100	008435	

Package size...160×35×12mm

Offset Screwdriver 25

- S-shaped screwdriver convenient when tightening with force is needed in cramped spaces.
- Different tips are in one screwdriver, which enables to use in different ways depending on the application.

RoHS MG Cr-V steel

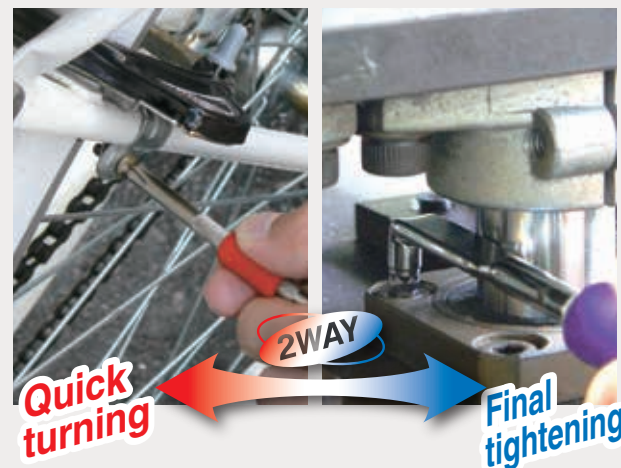


Code No.	25						Inner Ctn.	JAN (4907587)
143005	⊕1/⊖5	25	5	125	12		12	013040
143006	⊕2/⊖6	26	6	125	12		12	013057
143007	⊕3/⊖8	33	8	150	12		12	013064

Package size...160×35×12mm

ONE POINT TD-61 TD-63

Speedy quick turning & firm tightening.



Quick turning and tightening in one tool!

An evolution of offset screwdriver with all the required functions for tightening screws.

LED Voltage Detection Screwdriver | 83L

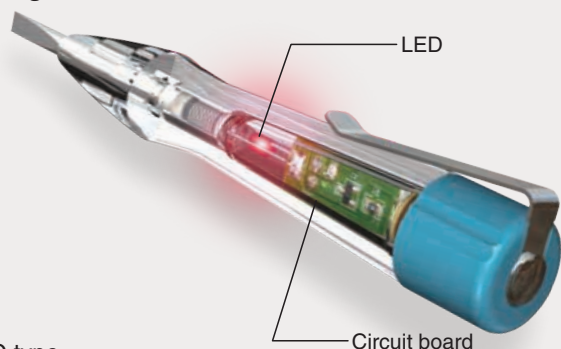
- For general household use to test current flow and continuity.
- Long-life LED that lights brightly.
- Batteries can be replaced. (The included battery is for testing.)
- Pencil type for easy carrying.



83L	Voltage detection range	Reversible blade content (mm)	Package size (mm)	Inner Ctn.	JAN (4907587)
Code No. 125106	100 to 250V AC	4.0 0.45 20 17.5 130	185×70×16	10	013033

Caution (Voltage Detection Screwdriver)

- Be sure to check the lighting before use.
- Be careful of short circuit and electric shock.
- Use within the voltage detection range.
- Do not use the product with water, oil, etc. on it.
- Overloading may cause damages to screws or injury.

ONE POINT | 83L**Conductivity check of electrical wiring tools****LED type**

Uses a high-luminance LED, allowing you to check electrical conductivity easily even in a bright location. Batteries are consumables and need to be replaced.

Conductivity check / polarity discrimination

A conductivity check of electrical wiring or receptacle and polarity discrimination of AC hot-line and ground sides

Continuity test

Continuity check of a wiring circuit
Make sure that no power is applied to the circuit before checking continuity.

6-Piece Voltage Detection Screwdriver Set | TD-1300L

- Neon tube integrated into the grip end. When contacting the current-carrying point, the neon tube lights and continuity test can be conducted.
- Resin chuck enables to replace the blades. Lightweight resin grip, with a transparent end-cap at the grip edge.
- Frequently used 6 types of blade in a pack.
- Provided in a handy transparent vinyl carrying and storage pouch.
- Low voltage type (100 to 250V AC)

Cr-V steel**TD-1300L**

Code No.	Voltage detection range	Reversible blade content(mm)				Inner Ctn.	JAN (4907587)
		⊕	⊖	Pin extractor	Awl		
247021	100 to 250V AC	⊕1×125	⊖4×125	125	125	10	061959
		⊕2×125	⊖6×125	Handle length 126.4mm dia. 26.5mm			

*Package size...185×105×31mm

5-Piece Voltage Detection Screwdriver Set | TD-1300B

- Neon tube integrated into the grip end. When contacting the current-carrying point, the neon tube lights and continuity test can be conducted.
- Resin chuck enables to replace the blades. Lightweight resin grip, with a transparent end-cap at the grip edge.
- A small diameter type socket suitable for small screws included in replacement blade set.
- Provided in a handy transparent vinyl carrying and storage pouch.
- Low voltage type (100 to 250V AC)

Cr-V steel

Except Socket

**TD-1300B**

Code No.	Voltage detection range	Reversible blade content(mm)			Inner Ctn.	JAN (4907587)
		⊕	⊖	Socket		
247031	100 to 250V AC	⊕1×125	⊖4×125	H5×125	10	061966
		⊕2×125		H5.5×125		
		Handle length 126.4mm dia. 26.5mm				

*Package size...185×105×31mm

Impact Driver

240001

- One-touch switching of the rotation direction.
- Soft non-slip resin handle, comfortable to grip. Designed for less shock on hands.
- For heavy-duty use.
- If the bit adapter is detached, a 12.7 mm socket can be attached.
- Bit insertion part $\varnothing 8\text{mm}$



240001

Code No.	Package size (mm)	Outer Ctn.	JAN (4907587)
246051	220×73×80	5	061126

Set content

Bits	$\oplus 2 \times 36$, $\oplus 2 \times 80$, $\oplus 3 \times 36$, $\oplus 3 \times 80$, $\oplus 4 \times 36$, $\ominus 10 \times 36$
Body	length 176mm dia. 37.5mm

※See C51 on page 99 for replacement bits.

Impact Uni Driver

260002

- Thin handle allows to use as an ordinary screwdriver.
- Long shank bit. Ideal for working in deep and narrow places.
- Bit insertion $\varnothing 6.35\text{mm}$. Easy to refill the bit.



260002

Code No.	Package size (mm)	Outer Ctn.	JAN (4907587)
246016	174×112×40	5	061188

Set content

Bits	$\ominus 5$, $\ominus 6$, $\ominus 7$, $\oplus 1$, $\oplus 2$, $\oplus 3 \times 125$
Body	length 132.5mm dia. 26mm

※See C50 on page 99 for replacement bits.

H 6.35 mm

Impact Driver Bit

C50

10PC

RoHS

Code No.	C50 Size	Tip×length (mm)	Heat Treatment Classification	Inner Ctn.	JAN (4907587)
431301	$\oplus 1 \times 125$		G	10	330000
431302	$\oplus 2 \times 125$		G	10	330017
431303	$\oplus 3 \times 125$		G	10	330024
431311	$\ominus 5 \times 125$		G	10	330031
431312	$\ominus 6 \times 125$		G	10	330048
431313	$\ominus 7 \times 125$		G	10	330055

1PC (w/Card)

Code No.	Model No.	Set content	Applicable models	Package size (mm)	Inner Ctn.	JAN (4907587)
486212	C502125	$\oplus 2 \times 125$ 1pc	260002	170×42	10	345653
486213	C503125	$\oplus 3 \times 125$ 1pc	260002	170×42	10	345660
486216	C506125	$\ominus 6 \times 125$ 1pc	260002	170×42	10	345677

Set Item

RoHS

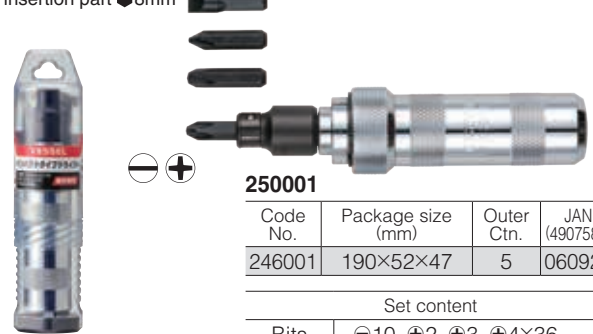
Code No.	Model No.	Qty	Set content	Inner Ctn.	JAN (4907587)
431701	2300-2600A Bit Set	1pc. ea.	C50 $\oplus 1$, $\oplus 2$, $\oplus 3$, $\ominus 5$, $\ominus 6$, $\ominus 7 \times 125\text{mm}$	1	330093

※Replacement bits are also listed on page 99.

Impact Driver

250001

- Effective for very tight fastening and loosening rusted screws.
- Suited for automobile maintenance, and assembly and disassembly of machinery and equipment. ● For heavy-duty use.
- If the bit adapter is detached, a 12.7 mm socket can be attached.
- Bit insertion part $\varnothing 8\text{mm}$



250001

Code No.	Package size (mm)	Outer Ctn.	JAN (4907587)
246001	190×52×47	5	060921

Set content

Bits	$\ominus 10$, $\oplus 2$, $\oplus 3$, $\oplus 4 \times 36$
Body	length 166mm dia. 32mm

※See C51 on page 99 for replacement bits.

H 8 mm

Impact Driver Bit

C51

10PC

RoHS

Code No.	C51 Size	Tip×length L (mm)	Heat Treatment Classification	Inner Ctn.	Outer Ctn.	JAN (4907587)
431041	$\oplus 2 \times$	36	G	10	250	330109
431042		80	G	10	250	330116
431051	$\oplus 3 \times$	36	E	10	250	330123
431052		80	E	10	250	330130
431061	$\oplus 4 \times$	36	E	10	250	330147
431171	$\ominus 8 \times$	36	E	10	250	330154
431172		80	E	10	250	330161
431271	$\ominus 10 \times$	36	E	10	250	330178
431272		80	E	10	200	330185
431273	$\ominus 12 \times$	36	E	10	200	330192

1PC (w/Card)

RoHS

Code No.	Model No.	Set content	Applicable models	Package size (mm)	Inner Ctn.	JAN (4907587)
486201	C512036	$\oplus 2 \times 36$ 1pc	250001, 240001	170×42	10	345172
486202	C513036	$\oplus 3 \times 36$ 1pc	250001, 240001	170×42	10	345189
486203	C518036	$\oplus 8 \times 36$ 1pc	250001, 240001	170×42	10	345196

Set Item

RoHS

Code No.	Model No.	Qty	Set content	Inner Ctn.	Outer Ctn.	JAN (4907587)
431801	2500 Bit Set	1pc. ea.	C51 $\oplus 2$, $\oplus 3$, $\oplus 4$, $\ominus 10 \times 36\text{mm}$	1	50	330208

※Replacement bits are also listed on page 93.

ONE POINT

260002

Removal of rusted or stuck screws.

Hit the grip end with a hammer. Its force is changed to a rotational force.



At the moment when stricken by a hammer, the bit rotates in reverse.

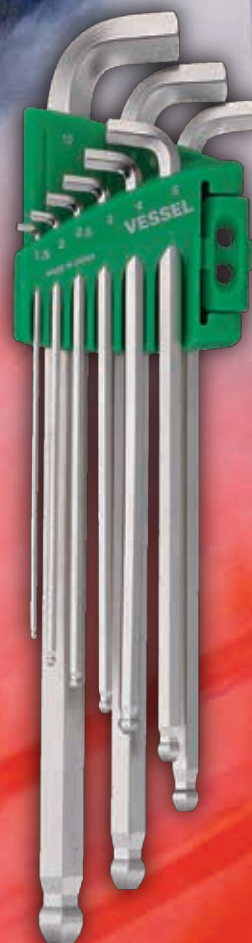
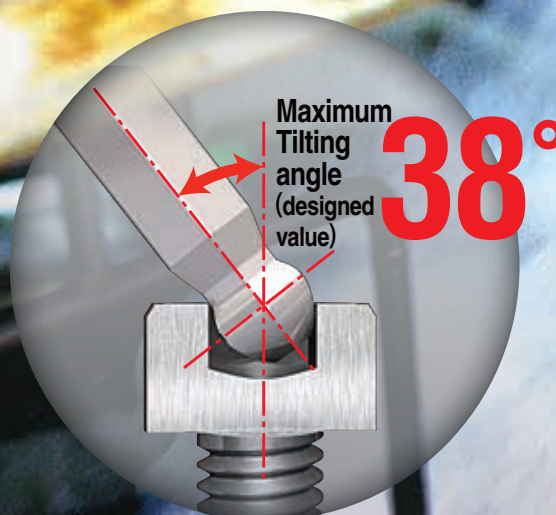
Loosen the screw with impact and rotation.

※The illustration shows No.260002. No.240001 and No.250001 are ball type, but with the same mechanism.

8209BP

Ball Point Wrench Stubby

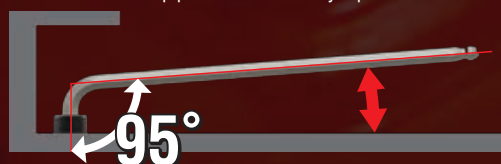
Ideal for use in cramped spaces [Stubby Type]



Magnetized tip can retain a hexagon socket head bolt.

Hexagonal cross-sectional neck securely retains hexagon socket head bolts.

Bolts located in deep places can be easily replaced.



L-shaped angle 95° for easy handling. The arm length is half of the standard arm size.

8209BP

Ball Point Wrench Stubby

Durability 200%. Ball point tip has 2 times greater tightening torque than the standard one.

*The wrench can be used within such torque without twisting or break.

*The standard torque is the one when tightening high tension bolts.

Ball Point Wrench Stubby | 8200BP



Code No.	8200BP	Hex Key Size (mm)	Length (mm)	Package size (mm)	Inner Ctn.	JAN (4907587)
143897	H1.5	1.5	4	79	160×45×5	10 024947
143898	H2	2	5	86	160×45×5	10 024954
143899	H2.5	2.5	6	94	200×60×8	10 024961
143900	H3	3	8	101	200×60×8	10 024978
143901	H4	4	9	110	200×60×8	10 024985
143902	H5	5	11	120	200×60×8	10 024992
143903	H6	6	13	133	200×60×8	10 025005
143904	H8	8	16	154	235×75×14	5 025012
143905	H10	10	19	172	235×75×14	5 025029

Ball Point Wrench Stubby 9PC Set | 8209BP



8209BP

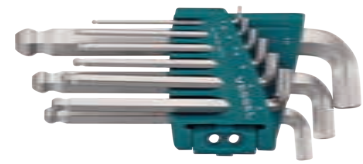
Code No.	Package size (mm)	Inner Ctn.	JAN (4907587)
143906	245×105×27	5	025036
Set content			
8200BP	H 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm		
Accessory	Holder		

Ball Point Wrench Stubby (Short Type) | 8200BP-S



Code No.	8200BP-S	Hex Key Size (mm)	Length (mm)	Package size (mm)	Inner Ctn.	JAN (4907587)
143887	H1.5	1.5	4	52	160×45×5	10 024848
143888	H2	2	5	58	160×45×5	10 024855
143889	H2.5	2.5	6	60	160×45×5	10 024862
143890	H3	3	8	65	160×45×5	10 024879
143891	H4	4	9	72	200×60×8	10 024886
143892	H5	5	11	80	200×60×8	10 024893
143893	H6	6	13	90	200×60×8	10 024909
143894	H8	8	16	100	235×75×14	5 024916
143895	H10	10	19	112	235×75×14	5 024923

Ball Point Wrench Stubby (Short Type) 9PC Set | 8209BP-S



8209BP-S

Code No.	Package size (mm)	Inner Ctn.	JAN (4907587)
143896	200×105×27	5	024930
Set content			
8200BP-S	H 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm		
Accessory	Holder		

Ball Point Wrench Stubby (Long Type) | 8200BP-L



Code No.	8200BP-L	Hex Key Size (mm)	Length (mm)	Package size (mm)	Inner Ctn.	JAN (4907587)
143907	H1.5	1.5	4	79	160×45×5	10 025043
143908	H2	2	5	95	200×60×8	10 025050
143909	H2.5	2.5	6	110	200×60×8	10 025067
143910	H3	3	8	126	200×60×8	10 025074
143911	H4	4	9	142	200×60×8	10 025081
143912	H5	5	11	160	235×75×14	5 025098
143913	H6	6	13	180	235×75×14	5 025104
143914	H8	8	16	200	280×65×14	5 025111
143915	H10	10	19	224	350×75×14	5 025128

Ball Point Wrench Stubby (Long Type) 9PC Set | 8209BP-L



8209BP-L

Code No.	Package size (mm)	Inner Ctn.	JAN (4907587)
143916	295×105×27	10	025135
Set content			
8200BP-L	H 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm		
Accessory	Holder		

Ball Point Wrench

8300BP



Code No.	8300BP	Hex (mm)	Length (mm)	Package size (mm)	Inner Ctn.	JAN (4907587)
143917	H1.5	1.5	16	79	160×45×5	10 025142
143918	H2	2	17	86	160×45×5	10 025159
143919	H2.5	2.5	18	94	200×60×8	10 025166
143920	H3	3	20	101	200×60×8	10 025173
143921	H4	4	25	110	200×60×8	10 025180
143922	H5	5	28	120	200×60×8	10 025197
143923	H6	6	32	133	200×60×8	10 025203
143924	H8	8	36	154	235×75×14	5 025210
143925	H10	10	40	172	235×75×14	5 025227

Ball Point Wrench (Long Type) 9PC Set

8309BP-L



8309BP-L

Code No.	Package size (mm)	Inner Ctn.	JAN (4907587)
143940	295×105×27	10	025371

Set content

8300BP-L	H 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm
Accessory	Holder

Ball Point Wrench 9PC Set

8309BP



8309BP

Code No.	Package size (mm)	Inner Ctn.	JAN (4907587)
143926	245×105×27	5	025234

Set content

8300BP	H 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm
Accessory	Holder

Ball Point Wrench (Extra Long Type)

8300BP-XL



Code No.	8300BP-XL	Hex (mm)	Length (mm)	Package size (mm)	Inner Ctn.	JAN (4907587)
143951	H1.5	1.5	16	91	160×45×5	10 025487
143952	H2	2	17	109	200×60×8	10 025494
143953	H2.5	2.5	18	132	200×60×8	10 025500
143954	H3	3	20	151	200×60×8	10 025517
143955	H4	4	25	170	235×75×14	5 025524
143956	H5	5	28	200	280×65×14	5 025531
143957	H6	6	32	225	280×65×14	5 025548
143958	H8	8	36	260	350×75×14	5 025555
143959	H10	10	40	291	350×75×14	5 025562

Ball Point Wrench (Long Type)

8300BP-L



Code No.	8300BP-L	Hex (mm)	Length (mm)	Package size (mm)	Inner Ctn.	JAN (4907587)
143927	H1.5	1.5	16	79	160×45×5	10 025241
143928	H2	2	17	95	200×60×8	10 025258
143929	H2.5	2.5	18	110	200×60×8	10 025265
143930	H3	3	20	126	200×60×8	10 025272
143931	H4	4	25	142	200×60×8	10 025289
143932	H5	5	28	160	235×75×14	5 025296
143933	H6	6	32	180	235×75×14	5 025302
143934	H8	8	36	200	280×65×14	5 025319
143935	H10	10	40	224	350×75×14	5 025326
143936	H12	12	45	250	350×110×12*	30 025333
143937	H14	14	55	280	350×110×14*	30 025340
143938	H17	17	60	320	350×130×17*	20 025357
143939	H19	19	70	360	350×130×19*	20 025364

*Supplied in a plastic bag.

Ball Point Wrench (Extra Long Type) 9PC Set

8309BP-XL



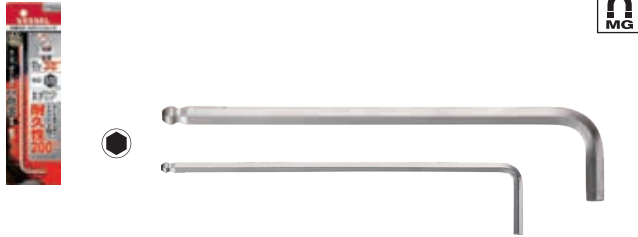
8309BP-XL

Code No.	Package size (mm)	Inner Ctn.	JAN (4907587)
143960	350×105×27	10	025579

Set content

8300BP-XL	H 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm
Accessory	Holder

Ball Point Wrench (Long Type) (Inch) | 8300BP-LIN



Code No.	8300BP-LIN	H·inch	(inch)	(mm)	Package size (mm)	Inner Ctn.	JAN (4907587)
143941	H1/16	1/16	15	79	160×45×5	10	025388
143942	H5/64	5/64	17	93	200×60×8	10	025395
143943	H3/32	3/32	18	108	200×60×8	10	025401
143944	H1/8	1/8	20	127	200×60×8	10	025418
143945	H5/32	5/32	25	140	200×60×8	10	025425
143946	H3/16	3/16	28	158	235×75×14	5	025432
143947	H1/4	1/4	32	178	235×75×14	5	025449
143948	H5/16	5/16	36	198	280×65×14	5	025456
143949	H3/8	3/8	40	222	350×75×14	5	025463

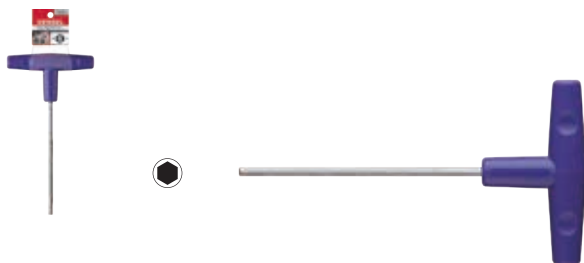
Ball Point Wrench (Long Type) (Inch) 9PC Set | 8309BP-LIN



8309BP-LIN

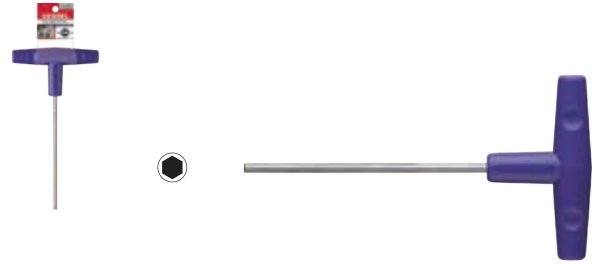
Code No.	Package size (mm)	Inner Ctn.	JAN (4907587)
143950	295×105×20	10	025470
Set content			
8300BP-LIN	A/F 1/16, 5/64, 3/32, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8 inch		
Accessory	Holder		

T-Handle Screwdriver | TW-H



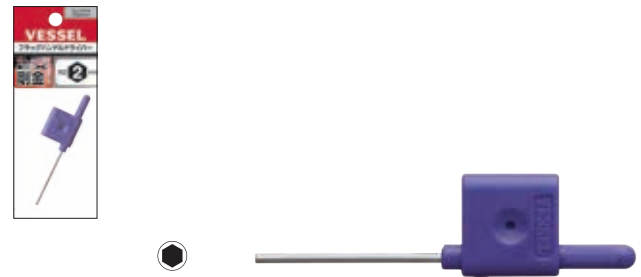
Code No.	TW-H				 (mm)	Inner Ctn.	JAN (4907587)
144361	H3	3	125	70	163	6	025913
144362	H4	4	140	70	178	6	025920
144363	H5	5	150	80	200	6	025937
144364	H6	6	155	120	223	6	025944
144365	H8	8	175	160	251	6	025951
144366	H10	10	200	160	276	6	025968

T-Handle Screwdriver (Inch) | TW-HIN



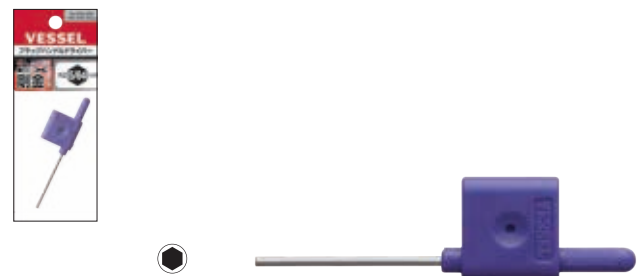
Code No.	TW-HIN	H·inch	(inch)	(mm)	(mm)	Inner Ctn.	JAN (4907587)
144367	H1/8	1/8	125	70	163	6	025975
144368	H5/32	5/32	140	70	178	6	025982
144369	H3/16	3/16	150	80	200	6	025999
144370	H1/4	1/4	155	120	223	6	026002
144371	H5/16	5/16	175	160	251	6	026019
144372	H3/8	3/8	200	160	276	6	026026

Flag Handle Screwdriver | FW-H



Code No.	FW-H	(inch)	(mm)	(mm)	(mm)	Inner Ctn.	JAN (4907587)
144373	H1.5	1.5	40	20	74	10	026033
144374	H2	2	40	20	74	10	026040
144375	H2.5	2.5	40	20	74	10	026057

Flag Handle Screwdriver (Inch) | FW-HIN



Code No.	FW-HIN	 (inch)			 (mm)	Inner Ctn.	JAN (4907587)
144376	H1/16	1/16	40	20	74	10	026064
144377	H5/64	5/64	40	20	74	10	026071
144378	H3/32	3/32	40	20	74	10	026088

Hex Wrench (Short Type) | 8300HX-S



Code No.	8300HX-S	Head Size (mm)	Head Width (mm)	Head Length (mm)	Inner Ctn.	JAN (4907587)
144060	H1.5	1.5	12.5	52.5	10	025784
144061	H2	2	12	58	10	025791
144062	H2.5	2.5	15	60	10	025807
144063	H3	3	20	65	10	025814
144064	H4	4	25	72	10	025821
144065	H5	5	28	80	10	025838
144066	H6	6	32	90	10	025845
144067	H8	8	36	100	5	025852
144068	H10	10	40	112	5	025869

RAINBALL L-wrenches | 8900BP

- Easy to find even in a tool box. Color-coded by size.
- Manganese phosphate base to prevent paint from peeling off.
- New ball shape. Since the drive part is set to contact near the entry point of the hexagonal hole, the maximum tilting angle is 38° (our design value). Enhanced durability by enlarging the cross-sectional area of the ball neck.
- The both ends are high-precision black point finish, which is unaffected by paint.
- "Ultra Hex", which is 3-point and 3-surface contact cross-section shape, is adopted to reduce deformation of the screw hole.



Code No.	8900BP	Head Size (mm)	Head Width (mm)	Head Length (mm)	Package size (mm)	Inner Ctn.	JAN (4907587)
144341	H 1.5	1.5	13.5	67.5	160×45×5	10	014917
144342	H 2	2	15.5	72	160×45×5	10	014924
144343	H 2.5	2.5	17.5	81	160×45×5	10	014931
144344	H 3	3	19	90.5	160×45×5	10	014948
144345	H 4	4	24	98.5	200×60×8	10	014955
144346	H 5	5	27	118.5	200×60×8	10	014962
144347	H 6	6	31	138	200×60×8	10	014979
144348	H 8	8	35	158	235×75×14	5	014986
144349	H 10	10	39	178.5	235×75×14	5	014993

※Colors inside the table cells indicate the body color.

RAINBALL L-wrenches 6PC Set | 8906BP

- Portable holder for easy carrying.
- For maintenance of small machines, motorcycles, bicycles, etc.
- For M1.6 to M6.



8906BP

Code No.	Package size (mm)	Inner Ctn.	JAN (4907587)
144352	200×80×13	5	014887

Set content

8900BP	H 1.5, 2, 2.5, 3, 4, 5 mm
Accessory	Holder

RAINBALL L-wrenches 9PC Set | 8909BP

- Includes a holder that opens like a fan and that can be used as a stand together with a magnetizer.
- The magnetizer attached to the lower part of the holder can be used to fix the holder to a horizontal metal part such as a machine tool, automatic machine, or surface plate.
- The magnetizer can be removed from the holder to magnetize or demagnetize the wrench.
- For M1.6 to M12.



8909BP

Code No.	Package size (mm)	Inner Ctn.	JAN (4907587)
144351	245×110×35	5	014900

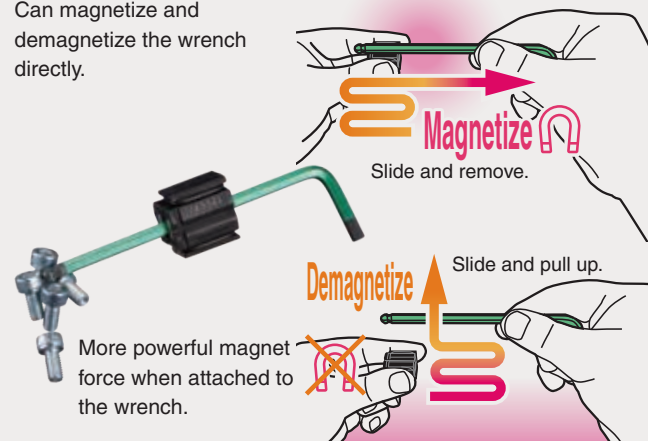
Set content

8900BP	H 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm
Accessory	Magnetizer/Holder

ONE POINT | 8909BP

w/Magnetizer

Can magnetize and demagnetize the wrench directly.



ULTRABALL L-wrenches 9PC Set | 8409BP

- New ball shape with the maximum tilted angle of 38° (design value in our company). The cross-sectional area of the neck of the ball is enlarged to improve the strength.
- Cross-section is "Ultra-Hex", which has the 3-point and 3-surface contact geometry to reduce deforming of screw holes.
- Provided with a convenient portable holder. This is openable facilitating to pick a necessary size.



8409BP

Code No.	Package size (mm)	Inner Ctn.	JAN (4907587)
144353	245×105×27	5	014894

Set content

8400BP	H 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm
Accessory	Holder

Ball End TORX Wrench | 8500BTX



Code No.	8500BTX	Length (mm)	Width (mm)	Package size (mm)	Inner Ctn.	JAN (4907587)
143961	T8	16	80	160×45×5	10	025586
143962	T9	16	80	160×45×5	10	025593
143963	T10	17	90	160×45×5	10	025609
143964	T15	18	100	200×60×8	10	025616
143965	T20	19	112	200×60×8	10	025623
143966	T25	20	126	200×60×8	10	025630
143967	T27	25	140	200×60×8	10	025647
143968	T30	28	160	235×75×14	5	025654
143969	T40	32	180	235×75×14	5	025661

Ball End TORX Wrench 9PC Set | 8509BTX



8509BTX

Code No.	Package size (mm)	Inner Ctn.	JAN (4907587)
143970	245×105×27	5	025678

Set content

8509BTX	Size T8,T9,T10,T15,T20,T25,T27,T30,T40
Accessory	Holder

Tamper-proof TORX Wrench | 8500TXH



Code No.	8500TXH	Length (mm)	Width (mm)	Package size (mm)	Inner Ctn.	JAN (4907587)
143971	T8H	16	80	160×45×5	10	025685
143972	T9H	16	80	160×45×5	10	025692
143973	T10H	17	90	160×45×5	10	025708
143974	T15H	18	100	200×60×8	10	025715
143975	T20H	19	112	200×60×8	10	025722
143976	T25H	20	126	200×60×8	10	025739
143977	T27H	25	140	200×60×8	10	025746
143978	T30H	28	160	235×75×14	5	025753
143979	T40H	32	180	235×75×14	5	025760

Tamper-proof TORX Wrench 9PC Set | 8509TXH



8509TXH

Code No.	Package size (mm)	Inner Ctn.	JAN (4907587)
143980	245×105×27	5	025777

Set content

8509TXH	Size T8H,T9H,T10H,T15H,T20H,T25H,T27H,T30H,T40H
Accessory	Holder

TORX Key Wrench | 8500TX

- Electroless nickel plating to maintain precision of the tip-end.
- Knurled shank for fast turning.
- Precision tips based on TORX spec.



→See P53 One point

Code No.	8500TX					(mm)	Package size (mm)	Inner Ctn.	JAN (4907587)
144302	T7	1.97	2.5	15	56		110×45×5	10	062178
144303	T8	2.3	3	17	59		110×45×5	10	062185
144304	T9	2.48	3	17	63		110×45×5	10	062192
144305	T10	2.72	3	17	67		110×45×5	10	062208
144306	T15	3.26	3.5	19	72		110×45×5	10	062215
144308	T25	4.4	5	23	83		145×55×8	10	062239

ONE POINT | 8500BTX | 8500TXH



Quick tightening at tilted angle.

Max Tilting Angle **25°**
(Designed value)

Ball-shaped TORX wrench.

Can tighten screws quickly at a tilted angle. Ideal for a work in a cramped space such as automotive maintenance.

Can be used with tamper-proof screws.

Tamper-proof TORX screw has a protrusion in the center of the screw recess, and a standard TORX screwdriver cannot tighten or loosen such screw.

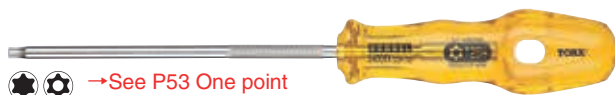
*Screws with a protrusion different from the standard TORX cannot be handled.



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Power Grip TORX Screwdriver | 5400TX

- Electroless nickel plated precise finish tip.
- Cellulose acetate resin grip. Ergonomic design.
- For tamper-proof screws (Except T5 and T6).



→See P53 One point

Code No.	5400TX					 (mm)	Inner Ctn.	Outer Ctn.	JAN (4907587)
122854	T 5 × 80	1.42	80	2.5	17.0	155	12	60	062031
122855	T 6 × 80	1.69	80	2.5	17.0	155	12	60	062048
122856	T 7H× 80	1.97	80	2.5	17.0	155	12	60	062055
122857	T 8H× 80	2.3	80	3.0	17.0	155	12	60	062062
122858	T 9H× 80	2.48	80	3.0	17.0	155	12	60	062079
122859	T10H× 80	2.72	80	3.0	17.0	155	12	60	062086
122860	T15H× 80	3.26	80	3.5	28.0	177	6	60	062093
122861	T20H×120	3.84	120	4.0	28.0	217	6	60	062109
122862	T25H×120	4.4	120	5.0	31.8	224	6	60	062116
122863	T27H×120	4.96	120	5.0	31.8	224	6	60	062123
122864	T30H×120	5.49	120	6.0	35.6	235	6	60	062130
122865	T40H×120	6.6	120	7.0	35.6	235	6	60	062147

Precision TORX® Screwdriver | TD-59

- Body made of rust-resistant stainless steel (end cap part made of resin).
- For maintenance of precision equipment such as PCs, smartphones, etc.



→See P53 One point

Code No.	TD-59			 (mm)	Cushion Grip color	Inner Ctn.	Outer Ctn.	JAN (4907587)
251385	T1	0.84	20	100	Green	10	100	009333
251386	T2	0.95	20	100	Blue	10	100	009340
251387	T3	1.13	20	100	Black	10	100	009357
251388	T4	1.29	20	100	Purple	10	100	009364
251390	T5	1.42	20	100	Yellow	10	100	008626

Package size...160×35×14mm

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G-grip TORX Screwdriver | 990TX

- The end cap rotates under the weight of the steel ball and moves to an easy-to-grip position.
- A special precision spring is welded to the tip by a laser, and the spring action enables to firmly catch the Torx screw.



←See P35 One point

	Code No.	990TX						Inner Ctn.	Outer Ctn.	JAN (4907587)
125923		T5 ×40	1.42	40	2.5	16	21	138	12 240	008121
125924		T6 ×40	1.69	40	2.5	16	21	138	12 240	008138
125926		T8 ×40	2.3	40	2.5	16	21	138	12 240	008145
125927		T9 ×40	2.48	40	4.0	16	21	138	12 240	008152
125928		T10×80	2.72	80	4.0	30	38	195	6 60	008169
125929		T15×80	3.26	80	5.5	30	38	195	6 60	008176
125930		T20×80	3.84	80	5.5	30	38	195	6 60	008183

Precision Pentalobe Screwdriver | TD-54

- Body made of rust-resistant stainless steel (end cap part made of resin).
- For maintenance of precision equipment such as PCs, smartphones, etc.



Code No.	TD-54			 (mm)	Cushion Grip color	Inner Ctn.	Outer Ctn.	JAN (4907587)
251378	1IPR	0.84	20	100	Red	10	100	009319
251379	4IPR	1.29	20	100	Yellow	10	100	009326

Package size...160×35×14mm

Wood-Compo TORX Screwdriver | B-340TX

- Non-slip grip even if used with oil-covered hands. "Wood-resin" is used to offer the texture of natural woods and its touch by hand.
- Electroless nickel plated precise finish tip.
- Can be used with tamper-proof screws.



→See P53 One point

 Code No.	B-340TX	     (mm)						Inner Ctn.	Outer Ctn.	JAN (4907587)
120081	T10H	2.72	80	5.5	30	188	6	120	075109	
120082	T15H	3.26	80	5.5	30	188	6	120	075116	
120083	T20H	3.84	120	5.5	30	228	6	120	075123	
120084	T25H	4.40	120	6.4	32	236	6	60	075130	
120085	T27H	4.96	120	6.4	32	236	6	60	075147	
120086	T30H	5.49	120	8.0	35	246	6	60	075154	
120087	T40H	6.60	120	8.0	35	246	6	60	075161	

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Cushion Grip TORX Screwdriver | B-640TX

- Cushion grip that fits in hand.
- Electroless nickel plating finish to maintain precision of the tip-end.
- Good for screw tightening in precision industry.
- T7 or larger: for tamper-proof screws.



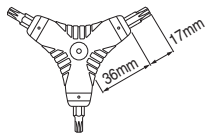
→See P53 One point

Code No.	B-640TX						Inner Ctn.	Outer Ctn.	JAN (4907587)
123561	T5	1.42	40	4.0	20.5	126	6	60	075055
123562	T6	1.69	40	4.0	20.5	126	6	60	075062
123563	T7H	1.97	40	4.0	20.5	126	6	60	075079
123564	T8H	2.30	40	4.0	20.5	126	6	60	075086
123565	T9H	2.48	40	4.0	20.5	126	6	60	075093

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3-Point TORX Screwdriver 2-pc Set | TD-230

- 3 sizes in 1 compact handy tool.
- For tamper-proof screws.
- Y-shaped handle fits in the hand. Powerful tightening.



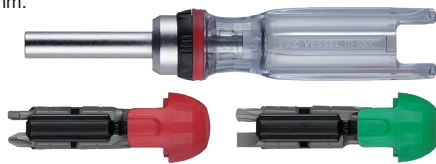
TD-230

Code No.	Package size (mm)	Inner Ctn.	Outer Ctn.	JAN (4907587)	Set content
251230	135×140×38	10	60	061362	T10H / T15H / T20H, T25H / T30H / T40H Shank 17mm

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Ratchet Screwdriver (16-pc bit set) | TD-6816MG

- Rotation angle of 5°, 72 gears for smooth clicking.
- Two pawls support the ratchet gear for high strength.
- Good for final tightening.
- Handle is made of oil-resistant cellulose acetate resin.
- Cassette type bit storage inside the handle for easy carrying.
- 16 types of bits for a wide range of work. One-touch magnetic bit replacement.
- Bit insertion ● 6.35mm.



TD-6816MG

Code No.	Package size (mm)	Inner Ctn.	Outer Ctn.	JAN (4907587)
247025	235×90×29	5	30	008480

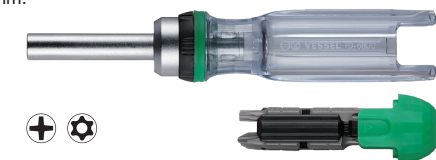
Set content

Body	length 177mm dia. 28.5mm
Bits	⊕1, ⊕2, ⊕3, ⊖6, H2, H2.5, H3, H4, H5, T10H, T15H, T20H, T25H, T27H, T30H, T40H ×25.4mm

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Ratchet Screwdriver TORX (8-pc bit set) | TD-6808TX

- Rotation angle of 5°, 72 gears for smooth clicking.
- Two pawls support the ratchet gear for high strength.
- Good for final tightening.
- Handle is made of oil-resistant cellulose acetate resin.
- Cassette type bit storage inside the handle for easy carrying.
- 8 types of bits, including TORX bits, are stored. One-touch magnetic bit replacement.
- Bit insertion ● 6.35mm.



TD-6808TX

Code No.	Package size (mm)	Inner Ctn.	Outer Ctn.	JAN (4907587)
247024	235×80×29	5	30	008473

Set content

Body	length 177mm dia. 28.5mm
Bits	⊕2, ⊕3, T10H, T15H, T20H, T25H, T30H, T40H ×25.4mm

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TORX Screwdriver Set | TD-6310TX

- For tamper-proof screws, Phillips and slotted screws.
- New type of bit holder that securely holds bits in place.
- The handle is made of cellulose acetate resin.



TD-6310TX

Code No.	Package size (mm)	Inner Ctn.	JAN (4907587)
247028	235×100×29	10	008510

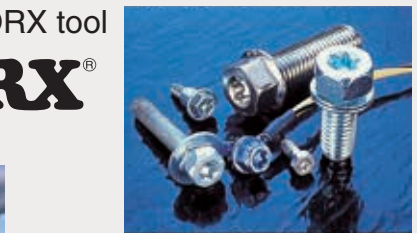
Set content

Body	length 213mm dia. 28.5mm
Bits	⊖6, ⊕2, T8H, T10H, T15H, T20H, T25H, T27H, T30H, T40H ×25.4mm
Accessory	Bit belt holder

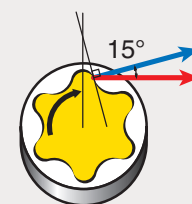
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ONE POINT

Features of TORX tool

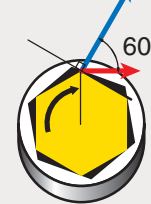


Basic TORX consists of 6 ear-lobular shaped curves. Compared to hexagonal shape driver, TORX has higher drive effectiveness and transfers torque smoothly and accurately while eliminating "CAM-OUT".



TORX

TORX transfers max torque due to small driving angle.



Hex

Meanwhile, Hex square drive need max upload torque to transfer for large driving angle to other directions.

Drive Torque
Loaded Torque



TAMPER-PROOF TORX SYSTEM



Added function of "Never Touch Screw" a post in the middle of the recess for maximum security eliminates regular TORX drive or any other flat screwdrivers for safety. Tamper proof screws are mostly used at communication equipment and computers so as not to abuse the screwing/unscrewing due to its design and control of function. Keep off unscrewing unless otherwise maintenance serving practiced.

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Plate Ratchet/Magnetic Screw Catcher (TORX) TX-12MC



- Magnetic screw catcher securely holds screws.
- A set including TORX bits frequently used for maintenance work. Can also be used for tamper-proof TORX screws.
- Speed ring for quick turning. Square drive 6.35mm when removed.
- Bit insertion 6.35mm.



←See P53 One point

TX-12MC

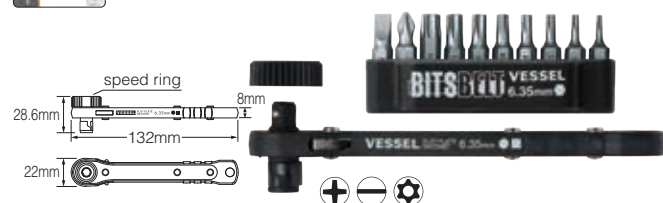
Code No.	Package size (mm)	Inner Ctn.	JAN (4907587)	Set content	
252022	190×85×27	10	061997	Body	Plate ratchet screwdriver
				Bits	T8H, T10H, T15H, T20H, T25H, T27H, T30H, T40H, $\Phi 2$, $\Phi 6 \times 25.4$ mm
				Accessories	Magnetic Screw Catcher Bit belt holder

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Plate Ratchet TORX Set TX-11



- Come with a storage holder.
- For tamper proof TORX screws.
- Low profile type convenient for assembly and disassembly.
- Speed ring for quick turning. Square drive 6.35mm when removed.
- Bit insertion 6.35mm.



←See P53 One point

TX-11

Code No.	Package size (mm)	Inner Ctn.	JAN (4907587)	Set content	
252021	190×85×27	10	062017	Body	Plate ratchet screwdriver
				Bits	T8H, T10H, T15H, T20H, T25H, T27H, T30H, T40H, $\Phi 2$, $\Phi 6 \times 25.4$ mm
				Accessory	Bit belt holder

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Replacement Bit Set TD-BS3



←See P53 One point



Applicable models

TD-70/TD-71/TD-72/TD-73MC/TD-80/TD-6310HX/TD-6310TX/
TD-6804MG/TD-6808MG/TX-11/TX-12MC/TD-6808TX/
TD-6816MG

Code No.	Model No.	Set content	Package size (mm)	Inner Ctn.	JAN (4907587)
251302	TD-BS3	T10H, T15H, T20H, T25H, T30H $\times 25.4$ mm Bit belt holder	120×45×23	10	061829

TORX bits are also available.

Industrial Bits Type-A

V TORX Bit P71

V TORX Bit (Tamper-Proof) P71



V5 TORX Bit P73



Industrial Bits Type-B

N TORX Bit P76, 91

N TORX Bit (Tamper-Proof) P76, 91



J TORX Bit P80

J TORX Bit (Tamper-Proof) P81



A5 TORX Bit P98



Precision Bits

DS73 Shockless Bit P88



D71 TORX Bit P89



D73 TORX Bit P90



D76 TORX Bit P91



Short Bits

A4 TORX Bit P97



Construction Bits

GSVT TORX "GOSAI" Bit P109



SMVT TORX Bit (Tamper-Proof) P125



SS16T Recessed "SAKISUBO" TORX Bit P116



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3500E-3/E-4/E-5

Wire Stripper

True circle is
a Key.

No damage on wires even if the blades are firmly closed. The bore diameters are designed to be appropriate so that the blade edges don't get contact with the wires (the Japanese or UL standard wires). Truly round circle by highly precise grinding with CNC grindstones.

An attachment hole is equipped for an anti-drop cord. Accidents caused by a drop of tools when working at a high place can be prevented.



3500E-3/E-4/E-5

Wire Stripper

True circle shape. No damage on wires. Different colors adopted for instant awareness of holding position. Thread cutters for small screws or bolts (M3, M4). Anti-drop cord can be attached.



VA cable stripper | 3200VA-1

- Even ecomaterial cables can be stripped cleanly with light force.
- The cutting depth of the blades can be adjusted in 5 steps to accommodate the hardness of cable sheaths from different cable manufacturers.
- Precision blades made by metal injection method have excellent sharpness.
- Designed to hold the wire sheath so that the core wire is always in the center, which prevents the blades from digging into the cable.
- Patented.



Code No.	Model No.	Overall length (mm)	Weight (g)	Applicable wires	Outer Ctn.	JAN (4907587)
141016	3200VA-1	180	370	VVF (VA cable) / EM-EEF (Eco cable) 1.6mm×duplex/2.0mm×duplex 1.6mm×triplex/2.0mm×triplex	5	014511

Package size...250×115×63mm

For 3200VA-1 Replacement Blade | WB-013

Code No.	Model No.	Applicable wire stripper	Package size (mm)	Inner Ctn.	JAN (4907587)
141084	WB-013	3200VA-1	120×45×3	10	014139

Cable Stripper | 3700KS/KM

- Easy stripping by just turning the main body and pulling out the sheaths.
- Non-slip pad for easy opening of the holding clamp.
- Adjust the cutting depth of the blade with the dial on the bottom.
- Lightweight and compact size, convenient for carrying.

RoHS

**3700KS**

Code No.	Model No.	Overall length (mm)	Weight (g)	Wire size (Strip Capacity)	Inner Ctn.	JAN (4907587)
141224	3700KS	130	78	Sheath φ4~16mm	10	014641
141225	3700KM	130	78	Sheath φ8~28mm	10	014658

Contents: Replacement blade 1piece (stored inside)

Package size...185×75×32mm

Wire Stripper | 3500E-1/-2

- Lightweight (100g), compact, handy type.
- High-precision blade with true circle cutting edges that do not damage core wires.
- Grip with AWG, mm, mm² conversion table.

RoHS



Code No.	Model No.	Overall length (mm)	Weight (g)	Color	Inner Ctn.	Outer Ctn.	JAN (4907587)
141036	3500E-1	155	100	Red	5	30	014245
141037	3500E-2	155	100	Yellow	5	30	014252

Package size...220×75×13mm

Wire Stripper | 3500E-3/-4/-5

- True Circular cutting edges do not damage core wires.
- Different colors by the grip for instant awareness of holding position, improving working efficiency.
- Thread cutters for small screws and bolts (for M3/M4).
- With cord attachment hole to prevent dropping.
- Cushion grip with AWG, mm, mm² conversion table.

RoHS



←See P55



Code No.	Model No.	Overall length (mm)	Weight (g)	Color		Inner Ctn.	Outer Ctn.	JAN (4907587)
141013	3500E-3	163	107	Red	Black	5	30	007223
141014	3500E-4	163	107	Yellow	Black	5	30	007230
141017	3500E-5	163	107	Blue	Black	5	30	032201

Package size...220×75×13mm

	AWG	12	14	16	18	20	22	24
3500E-1	Core wire dia.(mm)	2.0	1.6	1.3	1.0	0.8	0.65	0.5
3500E-3	Nominal cross-section(mm ²)	3.3	2.0	1.3	0.8	0.5	0.3	0.2
3500E-2	AWG	18	20	22	24	26	28	30
3500E-4	Core wire dia.(mm)	1.0	0.8	0.65	0.5	0.4	0.3	0.25
	Nominal cross-section(mm ²)	0.8	0.5	0.3	0.2	0.13	0.08	0.05
3500E-5	Core wire dia.(mm)	2.6	2.0	1.6	1.2	1.0	0.9	0.65
	Nominal cross-section(mm ²)	5.5	3.5	2.0	1.25	0.75	0.5	0.3

Wire Stripper (Box)

I3000

- Perfectly and quickly strips off the sheath in one operation.
- Versatile for use with electrical equipment such as TVs and radios, electrical work, automotive electrical circuits, telegraphic telephone wiring, and others.
- Comes with a strip gauge.

RoHS



Code No.	Model No.	Overall length (mm)	Weight (g)	Applicable wires	Handle color	Outer Ctn.	JAN (4907587)
141001	3000A	170	350	For solid wire 0.5/1.2/1.6/2.0mm	Green	20	014009
141002	3000B	170	350	For solid wire 1.0/1.6/2.0/2.6/3.2mm	Red	20	014016
141000	3000C	170	350	For stranded wire 0.9/1.25/2.0/3.5/5.5mm ²	Black	20	014023

A strip gauge is available as spare part: Strip gauge set, Part No.22 (Common for the 3000 series). Package size...180×80×30mm

Wire Stripper (Cardboard)

I30000

- Perfectly and quickly strips off the sheath in one operation.
- Versatile for use with electrical equipment such as TVs and radios, electrical work, automotive electrical circuits, telegraphic telephone wiring, and others.
- Comes with a strip gauge.

RoHS



Code No.	Model No.	Applicable wires	Handle color	Outer Ctn.	JAN (4907587)
241001	300001	For solid wire 0.5/1.2/1.6/2.0mm	Green	5	060761
241002	300002	For solid wire 1.0/1.6/2.0/2.6/3.2mm	Red	5	060778
241005	300005	For stranded wire 0.9/1.25/2.0/3.5/5.5mm ²	Black	5	060792

Package size...250×110×38mm

Wire Stripper Blade

IWB

RoHS



Code No.	Model No.	Applicable models	Applicable wires	Package size (mm)	Inner Ctn.	JAN (4907587)
141071	WB-001	3000 A, 300001	For solid wire	95×30×15	5	014412
141072	WB-002	3000 B, 300002	For solid wire	95×30×15	5	014429
141073	WB-003	3000 C, 300005	For stranded wire	95×30×15	5	014436

Replacement part for the 3000 series.

ONE POINT

Features of wire strippers

3200VA-1



Wire strippers dedicated for VA cables and eco-friendly PE cables (VVF/EM-EEF)

For solid wire 1.6mm×duplex/triplex For solid wire 2.0mm×duplex/triplex

3000A/B/C



For stripping of various wires and cords including IV and VSF

Solid wires 0.5mm to 3.2mm Stranded wire 0.9mm² to 5.5mm²

3500E-1/-2/-3/-4



For cutting and stripping of various electronic wires represented by KV

For solid wire 0.25mm to 2.0mm For stranded wire 0.05mm² to 3.3mm²

3700KS/KM



For stripping various cable sheaths such as cabtyre cable.

Sheath outer dia. 4mm to 16mm (3700KS) 8mm to 28mm (3700KM)

Bucket for Electricians

DB-200

- Convenient for collecting wire scraps and carrying tools.
- Belt can be adjusted to a desired length.
- Oval shape fits the body.



DB-200

Code No.	Size with header (mm)	Outer Ctn.	JAN (4907587)
141034	H280 × W200 × D125	1	077509

Gel Grip Hammer (Plastic Head) 76-10

- Gel-contained grip significantly absorbs impact to the palm of the hand when striking. Reduces wrist strain.
- Elastomer resin non-slip grip.
- Thoroughly pursued balance of the hammer head. Firm striking sensations.
- Screw-type hammer head. Easy replacement. Plastic head as replacement.

RoHS



Code No.	Model No.	Size	Length	Head		Weight (g)	Inner Ctn.	Outer Ctn.	JAN (4907587)
				Diameter	Length (mm)				
142082	76-10	1	315	32	120	430	6	60	015464

Replacement Head for No.76 (Plastic Head)

RoHS

Code No.	Model No.	Set content	Package size (mm)	Inner Ctn.	Outer Ctn.	JAN (4907587)
242024	076110 (Cardboard)	1Lb×2pcs	170×60×35	-	5	015563
142131	76-10H (Box)	1Lb	130×155×35	20	400	015525

※Applicable hammers: Gel Grip Hammer No.76-10 No.77-10
Plastic Head Hammer No.70-1



Gel Grip Hammer (Rubber/Plastic Head) 77-10

- Gel-contained grip significantly absorbs impact to the palm of the hand when striking. Reduces wrist strain.
- Elastomer resin non-slip grip.
- Thoroughly pursued balance of the hammer head. Firm striking sensations.
- Hammer head is screw-type and replacement is easy. Rubber head is light gray that does not transfer color to the object struck.

RoHS



Code No.	Model No.	Size	length	Head		Weight (g)	Inner Ctn.	Outer Ctn.	JAN (4907587)
				Diameter	Length (mm)				
142091	77-10	1	315	32	120	430	6	60	015501

Replacement Head for No.77 (Rubber Head)

RoHS

Code No.	Model No.	Set content	Package size (mm)	Inner Ctn.	Outer Ctn.	JAN (4907587)
242021	077110 (Cardboard)	1Lb×2pcs	170×60×35	-	5	015570
142121	77-10H (Box)	1Lb	130×155×35	20	400	015532

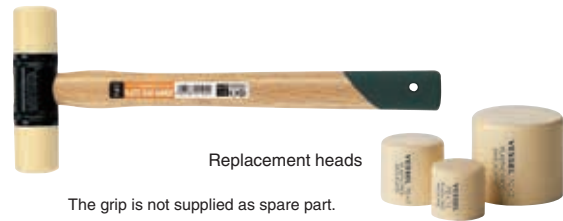
※Applicable hammer: Gel Grip Hammer No.77-10
※Cannot be used with plastic hammer No.70-1.



Plastic Head Hammer 70

70

- The head is made of flexible and tough plastic and will not damage the workpiece.
- Hammer head can be replaced; Hammer heads only are sold as replacement parts.
- Replacement head 1/2, 1, and 1 1/2 are also available with a cardboard (2-pc set).



The grip is not supplied as spare part.

70

Code No.	Size	Length	Head		Inner Ctn.	Outer Ctn.	JAN (4907587)
			Diameter	Length (mm)			
142001	1/4	280	20	66.5	6	60	015006
142002	1/2	280	25	82	6	60	015013
142003	1	295	31	108	6	60	015020
142004	1 1/2	325	38	125.5	6	36	015037
142005	2	350	46	139	6	24	015044

Replacement head for No.70 (Box)

RoHS

Code No.	Model No.	Set content	Package size (mm)	Inner Ctn.	Outer Ctn.	JAN (4907587)
142011	Head 70×1/4	1/4	85×102×20	20	400	015051
142012	Head 70×1/2	1/2	110×132×27	20	400	015068
142013	Head 70×1	1	130×155×35	20	400	015075
142014	Head 70×1 1/2	1 1/2	80×185×42	10	200	015082
142015	Head 70×2	2	100×225×48	10	200	015099

Replacement head for No.70 (Cardboard)

RoHS

Code No.	Model No.	Set content	Package size (mm)	Outer Ctn.	JAN (4907587)
242012	070105	1/2×2pcs	170×60×26	5	061003
242013	070110	1×2pcs	170×60×35	5	061010
242014	070115	1 1/2×2pcs	210×75×41	5	061027

Cautions:

- Strike the hammer straight. Do not strike at an angle.
- Do not strike with any part other than the striking surface.



ONE POINT

GEL resin grip



Gel grip. Shock mitigation to the hand

Reduces impact to the palm of the hand when striking.
Reduces wrist strain.

Non-slip grip design

Gel-contained grip increases the contact surface with the palm of the hand.
Non-slip grip with a convex surface.



AIR NIPPERS	AIR TOOLS	ELECTRIC TOOLS	RECIPIROCATING SAW BLADES	CONSTRUCTION BITS	INDUSTRIAL BITS	HAND TOOLS
STATIC SOLUTIONS	GASOLINE ENGINE TOOLS					

(*) marked figures are in accordance with old JIS standards. (*·T) Refer to No. 1 for Truss screws. (ST) marked figures are in accordance with JIS standards. W: Refer to the old JIS standards for Whitworth screws. (*·S) marked figures are in accordance with old JIS standards for small bolts/nuts. The figures in parentheses are sizes that are considered to be used as little as possible in the case of Slotted/TORX, and less useful sizes in the case of Phillips.

 Read the instruction manual before using, and follow the instructions when using.

HAND TOOLS	Hand Tools 	https://www.vessel.co.jp/english/support/safety/handtools.html • Always wear protective goggles when working with the product. • Do not use the product if any abnormality such as cracks, chipping, abrasion, or deformation is found. • Make sure of the applications, size, and usage that are suitable for the product before use. • Do not use the product in place of a hammer, crowbar, or lever. • Do not use the product in which electricity is running. • Do not modify the product. 
INDUSTRIAL BITS	Industrial Bits 	https://www.vessel.co.jp/english/support/safety/bit.html • Read the instruction manual of the power tool carefully before use. • Always wear protective goggles when working with the product. • Be sure to shut off the power source before mounting or replacing bits. • Do not use the product if any abnormality such as cracks, chipping, abrasion, or deformation is found. • Never attempt to operate the power tool at no-load with the product attached. • Do not use the product in which electricity is running. • Do not modify the product. 
CONSTRUCTION BITS	Construction Bits 	https://www.vessel.co.jp/english/support/safety/bit.html • Read the instruction manual of the power tool carefully before use. • Always wear protective goggles when working with the product. • Be sure to shut off the power source before mounting or replacing bits. • Do not use the product if any abnormality such as cracks, chipping, abrasion, or deformation is found. • Never attempt to operate the power tool at no-load with the product attached. • Do not use the product in which electricity is running. • Do not modify the product. 
RECIPROCATING SAW BLADES	Reciprocating Saw Blades 	https://www.vessel.co.jp/english/support/safety/saw_blades.html • Check the applications and capabilities of the blade. • Read the instruction manual of the power tool carefully. • Always shut off the power source when replacing blades. • Before use, make sure that the blade is not loosely mounted. • Do not overload the product as this may cause damage to the blade. • Do not touch the blade just after stopping to use because they are hot. • Wear protective goggles and gloves when using the product. • Stop using the product if any abnormality is found. 
ELECTRIC TOOLS	Electric Tools 	https://www.vessel.co.jp/english/support/safety/electric.html • Always wear protective goggles when working with the product. • Be sure to shut off the power source before mounting or replacing the tip tools. • Be sure to use a tip tool for power tools. • Do not use the product if any abnormality such as cracks, chipping, abrasion, or deformation is found. • Never attempt to operate the product at no-load with a tip tool mounted on the product. • Do not use the product in which electricity is running. • Do not disassemble or modify the product. 
AIR TOOLS	Air Tools 	https://www.vessel.co.jp/english/support/safety/airtools.html • Use protective items such as a helmet, safety glasses, earplugs, dust mask, safety shoes, and others, depending on the work. • When installing or replacing the tip tools, be sure to shut off the air supply source. • Be sure to use a tip tool for power tools. • Do not use the product if any abnormality such as cracks, chipping, abrasion, or deformation is found. • Never attempt to operate the product at no-load with a tip tool mounted on the product. • Do not use the product in which electricity is running. • Do not modify the product. 
AIR NIPPERS	Air Nippers 	https://www.vessel.co.jp/english/support/safety/airnipper.html • Do not touch the blade. • Always wear protective goggles and earplugs when working with the product. • When installing or replacing blades or the nipper, be sure to shut off the power source. • Do not use the product if any abnormality such as cracks, chipping, abrasion, or deformation is found. • Do not use the product in which electricity is running. • The product may cause vibration. • Do not modify the product. 
STATIC SOLUTIONS	Static Solutions 	https://www.vessel.co.jp/english/support/safety/staticelectric.html • Do not use the product in the environments requiring the explosion-proof measures. • Do not use the product in an atmosphere containing flammable or combustible substances. • Do not use the product in an environment subject to rapid temperature changes or where condensation occurs. • Do not use the product in a place where it is exposed to water, solvents, oil, etc. or in a humid place. • Do not use the product with the power supply standard or the air pressure other than those specified in the specifications. • Do not disassemble or modify the product. 
GASOLINE ENGINE TOOLS	Gasoline Engine Tools 	https://www.vessel.co.jp/english/support/safety/gasolineengine.html • In case any crack, chip, or deformation is observed, stop using the unit immediately. • Do not use the unit or fill fuel in presence of flame or spark. • Make sure to use two cycle oil with gasoline at mixture ratio of 1:25. • The unit emit vibration, heat and exhaust fumes. • Always wear eye, head and ear protectors when using this tool. 