

HAND TOOLS





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About ISO

ISO 9001 : 2008

Our screwdriver manufacturing division, VESSEL SHIMANE CO., LTD is certified according to ISO standard, the global standard for quality assurance control.

ISO 14001 : 2004

We obtained ISO 14001 in August 2010. VESSEL will further strive to offer eco-friendly products, aiming at minimizing the environmental burden as a manufacturing group.

HAND TOOLS TECHNICAL

HAND TOOLS

BITS & SOCKETS

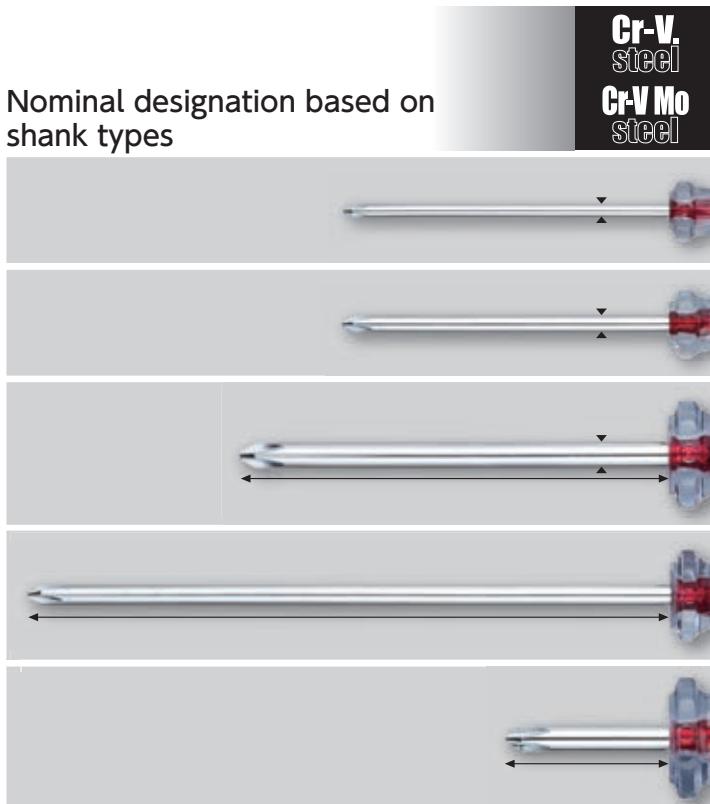
ELECTRIC TOOLS

AIR TOOLS

STATIC SOLUTIONS

GASOLINE ENGINE TOOLS

Nominal designation based on 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 A shank diameter of 3 mm or less

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

Slim shank A diameter of 4 mm

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.

Hexagon bolster

This part allows a spanner, etc. to be applied to retighten a screw or undo a hard-tightened screw.



Magnetized Tip-End

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



JAWSFIT®

NEW JAWSFIT

Coated specially with high strength metallic granules. This prevents CAM-OUT (phenomenon peculiar to cross recessed screws).



Black point®

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





General type

Type in which a shank is held in the handle. It is electrically safe.



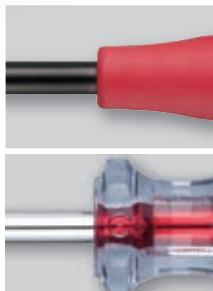
Tang-thru type

A shank is installed through the handle so that the screwdriver can be used for position adjustment or screw-hole correction by tapping the head with a hammer.



CAUTION

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



Taper shape

Enabling a screwdriver to be easily taken out of a screwdriver holder. It is often used for screwdrivers related to electrical equipment.



Cushion

An elastomer is integrally formed on the exterior of the grip. It provides elastic grip, offering large tightening force.



Ergonomics design

The use of design taking into account the shape of the palm and enhancing the operability at the finger tips ensures comfortable screw tightening.

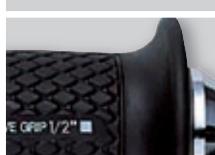


Wood handle

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

Non-slip

VESSEL-developed non-slip surface features fine knurling process, enabling torque to be transmitted firmly even if there is oil on it.



Precision use

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



6P



11P
15P
21P



24P



26P



30P



34P

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.

No. 700

Super Cushion Screwdriver

HAND TOOLS

BITS & SOCKETS

ELECTRIC TOOLS

AIR TOOLS

STATIC SOLUTIONS

GASOLINE ENGINE TOOLS



No. 700

Super Cushion Screwdriver

VESSEL Cushion Grip Screwdrivers fit not only screw heads but also your hand. This series assure the efficient torque transmission.



Highly elastic cushion grip.
Fits the palm of the hand. No slipping.
Transmits high torque to the tip.

*The above illustration is for reference only.

No. 700 Super Cushion Screwdriver

PAT.

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



						(mm)	Inner Ctn.	Outer Ctn.	EDP No.
⊖ 5.5 × 75	5.5	0.8	75	5.5	29	182	6	120	125211
⊖ 6 × 100	6.0	0.9	100	6.4	32	215	6	120	125212
⊖ 6 × 150	6.0	0.9	150	6.4	32	265	6	120	125213
⊖ 8 × 150	8.0	1.1	150	8.0	34	275	6	120	125214
⊕ 1 × 75	⊕No.1	75	5.5	29	182		6	120	125215
⊕ 2 × 100	⊕No.2	100	6.4	32	215		6	120	125216
⊕ 2 × 150	⊕No.2	150	6.4	32	265		6	120	125217
⊕ 3 × 150	⊕No.3	150	8.0	34	275		6	120	125218

No. 610 Cushion Grip Screwdriver (Thin Shank Type)

- 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.



						(mm)	Inner Ctn.	Outer Ctn.	EDP No.
⊖ 4 × 75	4.0	0.5	75	4.0	20.5	162	12	120	125332
⊖ 4 × 100	4.0	0.5	100	4.0	20.5	187	12	120	125333
⊖ 4 × 150	4.0	0.5	150	4.0	20.5	237	12	120	125335
⊖ 4 × 200	4.0	0.5	200	4.0	20.5	287	12	120	125336
⊕ 00 × 75	⊕No.00	75	4.0	20.5	162		12	120	125337
⊕ 0 × 75	⊕No.0	75	4.0	20.5	162		12	120	125339
⊕ 0 × 100	⊕No.0	100	4.0	20.5	187		12	120	125340
⊕ 1 × 75	⊕No.1	75	4.0	20.5	162		12	120	125341
⊕ 1 × 100	⊕No.1	100	4.0	20.5	187		12	120	125342
⊕ 1 × 150	⊕No.1	150	4.0	20.5	237		12	120	125343

No. 720 Super Cushion Screwdriver (Stubby Type) PAT.

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



						(mm)	Inner Ctn.	Outer Ctn.	EDP No.
⊖ 6 × 15	6.0	0.9	15	6.0	35	68	6	120	125221
⊕ 1 × 15	⊕No.1	15	6.0	35	68		6	120	125222
⊕ 2 × 15	⊕No.2	15	6.0	35	68		6	120	125223

No. 660 Cushion Grip Screwdriver (Stubby Type)

- With reversible blade (⊖5, ⊕2).



Set content	Package size (mm)	Inner Ctn.	Outer Ctn.	EDP No.
Grip	length 53mm dia. 35mm			
Reversible blade	⊖5 / ⊕2 ×60mm 1pc	135×75×35	10	60

No. 730 Super Cushion Tang-Thru Screwdriver PAT.

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



						(mm)	Inner Ctn.	Outer Ctn.	EDP No.
⊖ 5.5 × 75	5.5	0.8	75	5.5	29	182	6	120	125231
⊖ 6 × 100	6.0	0.9	100	6.4	32	215	6	120	125232
⊖ 6 × 150	6.0	0.9	150	6.4	32	265	6	120	125233
⊖ 8 × 150	8.0	1.1	150	8.0	34	276	6	60	125234
⊕ 1 × 75	⊕No.1	75	5.5	29	182		6	120	125235
⊕ 2 × 100	⊕No.2	100	6.4	32	215		6	120	125236
⊕ 2 × 150	⊕No.2	150	6.4	32	265		6	120	125237
⊕ 3 × 150	⊕No.3	150	8.0	34	276		6	60	125238

No. TD-110 Cushion 4-way Stubby Screwdriver

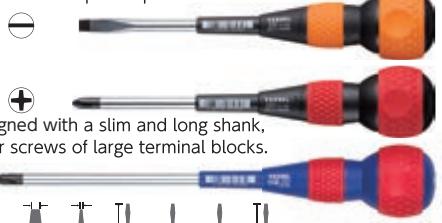
- Handle can store 2 types of double-ended bit with different tip end.



Set content	Package size (mm)	Inner Ctn.	Outer Ctn.	EDP No.
Grip	length 86mm dia. 35mm			
Reversible blade	⊕1 / ⊕2 ×35mm 1pc	135×85×35	10	60
Holder	⊖4.5 / ⊖6 ×35mm 1pc			251110

No. 220 Ball-Grip Screwdriver

- Transmits ample tightening force to screw.
- Cushion grip color-coded by $\ominus\oplus$.
- High precision black point tip.



\oplus #3 is designed with a slim and long shank, optimal for screws of large terminal blocks.

$\oplus 3$

No. 220					Inner Ctn.	Outer Ctn.	(mm)	EDP No.	
$\ominus 5.5 \times 75$	5.5	0.8	75	5.5	32	156	6	60	125351
$\ominus 5.5 \times 100$	5.5	0.8	100	5.5	32	181	6	60	125361
$\ominus 5.5 \times 150$	5.5	0.8	150	5.5	32	231	6	60	125362
$\ominus 6 \times 100$	6.0	0.9	100	6.4	41	200	6	60	125352
$\ominus 6 \times 150$	6.0	0.9	150	6.4	41	250	6	60	125353
$\ominus 6 \times 200$	6.0	0.9	200	6.4	41	300	6	60	125354
$\ominus 6 \times 300$	6.0	0.9	300	6.4	41	400	6	60	125363
$\oplus 8 \times 150$	8.0	1.1	150	6.4	41	250	6	60	125376
$\oplus 1 \times 75$	\oplus No.1	75	5.5	32	156	6	60	125355	
$\oplus 1 \times 100$	\oplus No.1	100	5.5	32	181	6	60	125371	
$\oplus 1 \times 150$	\oplus No.1	150	5.5	32	231	6	60	125372	
$\oplus 2 \times 75$	\oplus No.2	75	5.5	32	156	6	60	125375	
$\oplus 2 \times 100$	\oplus No.2	100	6.4	41	200	6	60	125356	
$\oplus 2 \times 150$	\oplus No.2	150	6.4	41	250	6	60	125357	
$\oplus 2 \times 200$	\oplus No.2	200	6.4	41	300	6	60	125358	
$\oplus 2 \times 300$	\oplus No.2	300	6.4	41	400	6	60	125359	
$\oplus 3 \times 150$	\oplus No.3	150	6.4	41	250	6	60	125374	

No. 230 Ball-Grip Tang-Thru Screwdriver

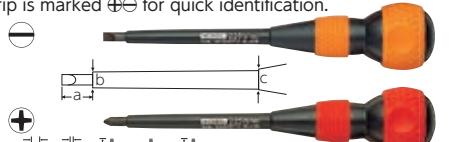
- Large nut for easy hammering.
- Transmits ample tightening force to screw.
- Cushion grip color-coded by $\ominus\oplus$. ● High precision black point tip.



No. 230					Inner Ctn.	Outer Ctn.	(mm)	EDP No.	
$\ominus 5.5 \times 75$	5.5	0.8	75	5.5	32	150	6	60	125311
$\ominus 6 \times 100$	6.0	0.9	100	6.4	41	200	6	60	125314
$\ominus 6 \times 150$	6.0	0.9	150	6.4	41	250	6	60	125315
$\oplus 1 \times 75$	\oplus No.1	75	5.5	32	156	6	60	125321	
$\oplus 2 \times 100$	\oplus No.2	100	6.4	41	200	6	60	125324	
$\oplus 2 \times 150$	\oplus No.2	150	6.4	41	250	6	60	125325	

No. 225 Ball-Grip Screwdriver (With covered shank)

- Resin-covered shank. It prevents electrical short circuit.
- Transmits ample tightening force to screw.
- Cushion grip is marked $\oplus\ominus$ for quick identification.



No. 225					a	b	c (mm)	Inner Ctn.	Outer Ctn.	EDP No.	
$\ominus 6 \times 100$	6.0	0.9	100	41	200	14	8	10	6	60	125382
$\ominus 6 \times 150$	6.0	0.9	150	41	250	14	8	10	6	60	125383
$\oplus 2 \times 100$	\oplus No.2	100	41	200	14	8	10	6	60	125389	
$\oplus 2 \times 150$	\oplus No.2	150	41	250	14	8	10	6	60	125390	

⚠ Electric insulation is not guaranteed. For safety purposes, shut off power before use.
The covered shaft protects against unexpected shorts.
Should it become scratched, damaged or deteriorated, do not use the screwdriver.

No. 220F Free-Turning Ball Grip Screwdriver (Screwdriver only) PAT.

- Free-turning hook enables fast turning.
- Elastomer resin excellently fits the hand.



No. 220F					Inner Ctn.	Outer Ctn.	(mm)	EDP No.	
$\ominus 6 \times 100$	6.0	0.9	100	6.4	41	200	6	60	125541
$\ominus 6 \times 150$	6.0	0.9	150	6.4	41	250	6	60	125542
$\oplus 2 \times 100$	\oplus No.2	100	6.4	41	200	6	60	125543	
$\oplus 2 \times 150$	\oplus No.2	150	6.4	41	250	6	60	125544	

No. 200 Ball-Grip Insulated Screwdriver

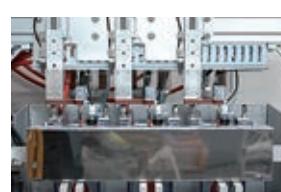
- High precision black point tip (black oxide finish)
- Easy identification of tip type by touching the end cap dent.



No. 200					Inner Ctn.	Outer Ctn.	(mm)	EDP No.	
$\ominus 5.5 \times 75$	5.5	0.8	75	5	32	150	6	60	125841
$\ominus 6 \times 100$	6.0	0.9	100	6	41	189	6	60	125842
$\ominus 6 \times 150$	6.0	0.9	150	6	41	239	6	60	125843
$\oplus 1 \times 75$	\oplus No.1	75	5	32	150	6	60	125844	
$\oplus 2 \times 100$	\oplus No.2	100	6	41	189	6	60	125845	
$\oplus 2 \times 150$	\oplus No.2	150	6	41	239	6	60	125846	
$\oplus 3 \times 150$	\oplus No.3	150	6	41	239	6	60	125847	

One point

Insulated Screwdrivers Series
certified by VDE,
International certification authority.



1000V AC, 1500V DC



1000V

IEC60900

VDE is an authorized third-party certification organization.



Reliable - 100% Energization (Dielectric) Inspection Conducted!

No. 250 Tang-Thru Screwdriver w/Ceramic Ball (For electric works)



- Incorporates a ceramic ball preventing electricity from being conducted.
- Uses zirconia ceramics having the highest rigidity and wear resistance among ceramics.
- Easy to tap with a hammer on the large nut.
- High-precision black point tip.

Cr-V steel

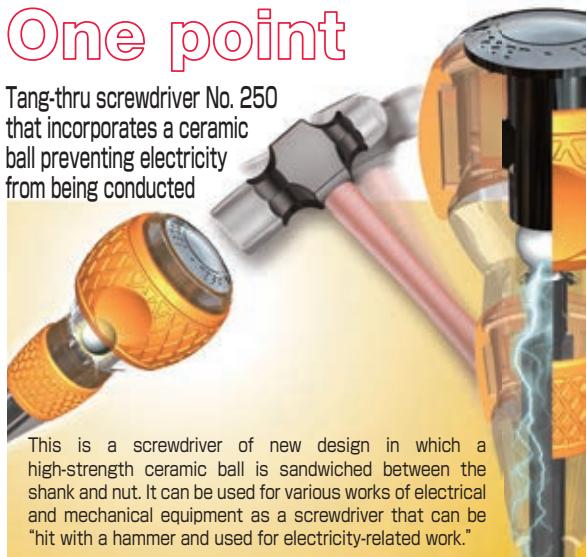


No.250

						Inner Ctn.	Outer Ctn.	EDP No.
⊖ 6 × 100	6.0	0.9	100	6.4	41	200	6	60
⊖ 6 × 150	6.0	0.9	150	6.4	41	250	6	60
⊖ 8 × 150	8.0	1.1	150	6.4	41	250	6	60
⊕ 2 × 100	⊕No.2	100	6.4	41	200	6	60	112107
⊕ 2 × 150	⊕No.2	150	6.4	41	250	6	60	112108
⊕ 3 × 150	⊕No.3	150	6.4	41	250	6	60	112110

One point

Tang-thru screwdriver No. 250 that incorporates a ceramic ball preventing electricity from being conducted



This is a screwdriver of new design in which a high-strength ceramic ball is sandwiched between the shank and nut. It can be used for various works of electrical and mechanical equipment as a screwdriver that can be "hit with a hammer and used for electricity-related work."

Electric insulation is not guaranteed. For safety purposes, shut off power before use.

No. 220W Ball Grip(Bit-replaceable grip)



- Compatibility with a 6.35mm hex drive bit enables to be used as a familiar ball grip screwdriver.



Model No.	Grip size	Package size (mm)	Outer Ctn.	EDP No.
220W	length 100mm, dia.41mm	145×50×43	10	125344

No. 230W Ball Grip(Bit-replaceable Tang-Thru grip)



- Blade interchangeable tang-thru grip. (A/F6.35mm)
- 25mm large nut incorporated transmitting well the hammering power.



Model No.	Grip size	Package size (mm)	Inner Ctn.	EDP No.
230W	length 100mm, dia.41mm	145×50×43	10	125326

No. 270BW Cushion Stubby(Bit-replaceable grip)

- Stubby type optimal for a narrow area. Compatibility with a 6.35mm hex drive bit for electric screwdrivers.

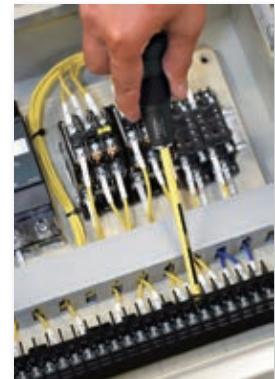


Model No.	Grip size	Package size (mm)	Outer Ctn.	EDP No.
270BW	length 55.5mm, dia.35mm	100×50×37	10	233074

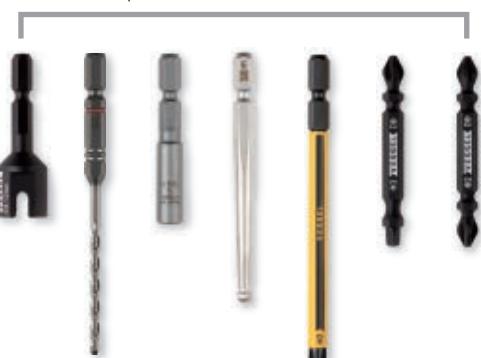
One point

Bit-replaceable grip

Convenient grip can be used with various sizes of ⦿6.35mm bit for electric screwdrivers.



Shut off power before use for safety purposes when using this product for electric works.



No. B-640TX | Cushion Grip TORX Screwdriver

- Optimal for fastening screws in precision fields.
- Non-electrolytic plating, keeping the precise tip quality.
- Cushion grip fitting comfortably in a hand.
- Also good for tamper-proof TORX screws (except T5 and T6).

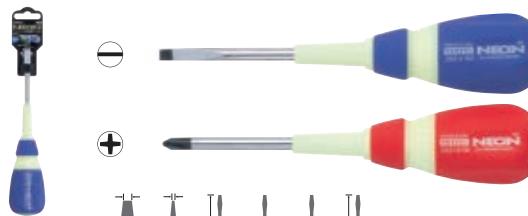
Cr-V
steel

No.B-640TX		Star	Flat	Flat	Flat	Flat	(mm)	Inner Ctn.	Outer Ctn.	EDP No.
T5	1.42	40	4.0	20.5	126	6	60	123561		
T6	1.69	40	4.0	20.5	126	6	60	123562		
T7H	1.97	40	4.0	20.5	126	6	60	123563		
T8H	2.30	40	4.0	20.5	126	6	60	123564		
T9H	2.48	40	4.0	20.5	126	6	60	123565		

TORX® is a registered trademark of Acument TM Intellectual Properties, LLC (USA). VESSEL has a manufacturing license in Japan and selling same to the world.

No. 265 "NEON" Screwdriver

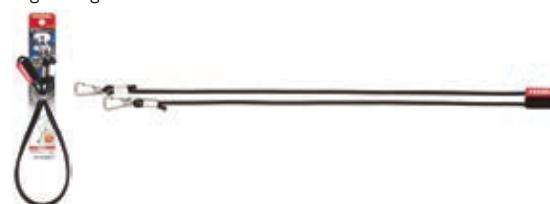
- Glow-in-the-dark type.
- High precision black point tip.

MG Cr-V
steel

No.265		Star	Flat	Flat	Flat	Flat	(mm)	Inner Ctn.	Outer Ctn.	EDP No.
⊖ 6x 100	6.0	0.9	100	6.4	40	185	6	60	125561	
⊖ 6x 150	6.0	0.9	150	6.4	40	235	6	60	125562	
⊕ 2x 100	⊕No.2	100	6.4	40	185	6	60	125563		
⊕ 2x 150	⊕No.2	150	6.4	40	235	6	60	125564		

No. SC-90 Anti-drop Slim Cord

- Cord to prevent screwdrivers from dropping.
- Provided with a sleeve to avoid rings forming, which cause the cord to get caught.



Package content		Inner Ctn.	EDP No.
Mounted load	500g or less		
Length	482(maximum length 1500) mm	10	125405
Material	Sleeve: polypropylene Rubber band: polypropylene and natural rubber		

No. 2200 | Ball Ratchet Screwdriver

- With 36-teeth gear ratchet to realize comfortable operation with fine tuning.

MG Cr-V Mo
Steel

- Shank cover prevents short circuits.
- Thin shank is convenient for operating on terminal blocks.
- Shank uses bit materials, fully hardened. Replacement shank is available as option.



No.2200		Star	Flat	Flat	Flat	Flat	(mm)	Inner Ctn.	Outer Ctn.	EDP No.
⊖ 6x 100	6.0	0.8	100	6.0	41	200	6	60	125395	
⊖ 6x 150	6.0	0.8	150	6.0	41	250	6	60	125396	
⊕ 2 x 100	⊕No.2	100	6.0	41	200	6	60	125345		
⊕ 2 x 150	⊕No.2	150	6.0	41	250	6	60	125346		
⊕ 3 x 150	⊕No.3	150	6.0	41	250	6	60	125347		

⚠ Electric insulation is not guaranteed. For safety purposes, shut off power before use.

No. 2200B | Ball Ratchet Screwdriver Replacement Blade

- Shank uses bit materials, fully hardened.
- Replacement blade; can be replaced by pulling out the ball-grip part of No.2200.

MG Cr-V Mo
Steel

No.2200B		Star	Flat	Flat	Flat	Flat	(mm)	Inner Ctn.	Outer Ctn.	EDP No.
⊖ 6x 100	6.0	0.8	100	6.0	158	6	60	125397		
⊖ 6x 150	6.0	0.8	150	6.0	208	6	60	125398		
⊕ 2 x 100	⊕No.2	100	6.0	158	6	60	125348			
⊕ 2 x 150	⊕No.2	150	6.0	208	6	60	125349			
⊕ 3 x 150	⊕No.3	150	6.0	208	6	60	125350			

One point

Move the sleeve to straighten the cord!



No. 980

MEGADORA IMPACTA



Our proprietary Tang-thru nut incorporates cam rotation mechanism, which turns the driving tip counter-clockwise by 12 degrees when the handle is hit with a hammer.

IMPACTA leverages impact acceleration to remove stuck screws.

Adhered screw Rusted screw Stuck screw

12°

No. 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.

*The above illustration is for reference only.

No. 980 MEGADORA IMPACTA

PAT.

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



← See P11

No.980	+	—	+	—	+	—	+	—	Inner Ctn.	Outer Ctn.	(mm)	EDP No.
⊕ 2 × 100	⊕No.2	100	6.4	34	213	6	60	125941				
⊕ 2 × 150	⊕No.2	150	6.4	34	263	6	60	125942				
⊕ 3 × 150	⊕No.3	150	8.0	36	278	6	60	125943				

No. 900 MEGADORA Standard Screwdriver PAT.

- NEW Philips JAWSFIT tip that firmly grips the screw.
- A knurled shank is useful for fast and slipless turning by fingers and open wide holes on a wood material or a board.



No.900	+	—	+	—	+	—	+	—	Inner Ctn.	Outer Ctn.	(mm)	EDP No.
⊖ 5.5× 75	5.5	0.8	75	5.5	30	175	6	60	125701			
⊖ 6 × 100	6.0	0.9	100	6.4	34	210	6	60	125702			
⊖ 6 × 150	6.0	0.9	150	6.4	34	260	6	60	125703			
⊖ 8 × 150	8.0	1.1	150	8.0	36	275	6	60	125704			
⊕ 1 × 75	⊕No.1	75	5.5	30	175	6	60	125705				
⊕ 2 × 100	⊕No.2	100	6.4	34	210	6	60	125706				
⊕ 2 × 150	⊕No.2	150	6.4	34	260	6	60	125707				
⊕ 3 × 150	⊕No.3	150	8.0	36	275	6	60	125708				

No. 910 MEGADORA Thin Shank Screwdriver

- Precision type with 4 mm or smaller diameter shank.
- Black point tip, unaffected by the plating thickness.



No.910	+	—	+	—	+	—	+	—	Inner Ctn.	Outer Ctn.	(mm)	EDP No.
⊖ 3 × 75	3.0	0.4	75	3.0	21	153	12	120	125746			
⊖ 3 × 100	3.0	0.4	100	3.0	21	178	12	120	125747			
⊖ 4 × 75	4.0	0.5	75	4.0	21	153	12	120	125748			
⊖ 4 × 100	4.0	0.5	100	4.0	21	178	12	120	125749			
⊖ 4 × 150	4.0	0.5	150	4.0	21	228	12	120	125750			
⊖ 4 × 200	4.0	0.5	200	4.0	21	278	12	120	125751			
⊕ 0 × 75	⊕No.0	75	3.0	21	153	12	120	125742				
⊕ 0 × 100	⊕No.0	100	3.0	21	178	12	120	125743				
⊕ 1 × 75	⊕No.1	75	4.0	21	153	12	120	125744				
⊕ 1 × 100	⊕No.1	100	4.0	21	178	12	120	125745				

No. 900 MEGADORA Standard Screwdriver Extra Long Type

PAT.

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



No.900	+	—	+	—	+	—	+	—	Inner Ctn.	Outer Ctn.	(mm)	EDP No.
⊖ 6 × 400	6.0	0.9	400	6.4	34	510	6	60	125709			
⊕ 2 × 400	⊕No.2	400	6.4	34	510	6	60	125710				

No. 920 MEGADORA Stubby Screwdriver

- Philips JAWSFIT tip that firmly grips the screw.
- 25mm-long shank. Ideal for working in cramped places.



No.920	+	—	+	—	+	—	+	—	Inner Ctn.	Outer Ctn.	(mm)	EDP No.
⊖ 6 × 25	6.4	0.9	25	6.4	36	75	6	60	125752			
⊕ 1 × 25	⊕No.1	25	6.4	36	75	6	60	125753				
⊕ 2 × 25	⊕No.2	25	6.4	36	75	6	60	125754				

No. 930 MEGADORA Tang-Thru Screwdriver PAT.

- NEW Philips JAWSFIT tip that firmly grips the screw.
- Tang-Thru shank with large end cap.
- With a hexagonal bolster for spanner.



No.930	+	—	+	—	+	—	+	—	Inner Ctn.	Outer Ctn.	(mm)	EDP No.
⊖ 5.5× 75	5.5	0.8	75	5.5	30	175	8	6	60	125711		
⊖ 6 × 38	6.0	0.9	38	6.4	34	151	—	6	60	125719		
⊖ 6 × 100	6.0	0.9	100	6.4	34	213	10	6	60	125712		
⊖ 6 × 150	6.0	0.9	150	6.4	34	263	10	6	60	125713		
⊖ 8 × 150	8.0	1.1	150	8.0	36	278	12	6	60	125714		
⊕ 1 × 75	⊕No.1	75	5.5	30	176	8	6	60	125715			
⊕ 2 × 100	⊕No.2	100	6.4	34	213	10	6	60	125716			
⊕ 2 × 150	⊕No.2	150	6.4	34	263	10	6	60	125717			
⊕ 3 × 150	⊕No.3	150	8.0	36	278	12	6	60	125718			

No. 970 MEGADORA Clip Remover**PAT.**

- One model for both large and small tips.
- Suited 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.

Cr-V
steel**No.970****CR × 120** 12/7 120 7.0 34 230 Inner Ctn. Outer Ctn. EDP No.

EDP No. (mm)

6 60 125721

No. 970 MEGADORA Chisel-Type Screwdriver PAT.

- Special steel for high quality cold chisel used. Hardness: 58HRC Abrasion resistant and sharp edge.
- Elastomer-resin made grip absorbs shock when using and alleviate the fatigue on the hand.
- Tang-Thru shank with large end cap.

Cr-V Mo
steel**No.970****7 × 100** 7.0 1.5 100 6 34 213 Inner Ctn. Outer Ctn. EDP No.

EDP No. (mm)

6 60 125722

9.5× 120 9.5 1.7 120 8 36 248 6 60 125732

One point

Pull out / Break



Removing it by leverage

One model compatible with 2 popular types of clip in the automobile industry.



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.

No. S-903 MEGADORA Pozidriv Screwdriver

- Dedicated to Pozidriv screws.
- VESSEL is an official licensee of Pozidriv.
- A knurled shank is useful for fast turning.

**No.S-903****PZ1× 75** PZ No.1 75 5.5 30 175 Inner Ctn. EDP No.**PZ2× 100** PZ No.2 100 6.4 34 210 6 267255**PZ3× 150** PZ No.3 150 8.0 36 275 6 267256

No. 960 MEGADORA Insulated Screwdriver NEW

- Insulated Screwdrivers Series certified by VDE (IEC60900), International certification authority.
- Safe and secured double insulation layer.
- Highly precise tip-end (black oxide finish).
- Chrome-vanadium steel, fully hardened.
- Flat Surface Grip.



No.960

						Inner Ctn.	Outer Ctn.	EDP No.
∅ 0.8 × 5 × 75	5.0	0.8	75	6.8	30	177	6	60
∅ 1.0 × 6 × 100	6.0	1.0	100	7.8	34	212	6	60
∅ 1.2 × 8 × 150	8.0	1.2	150	9.8	36	277	6	60
⊕ 1 × 75	⊕No.1	75	6.8	30	177	6	60	125821
⊕ 2 × 100	⊕No.2	100	7.8	34	212	6	60	125822
⊕ 3 × 150	⊕No.3	150	9.8	36	277	6	60	125823

No. 960PS MEGADORA Insulated Screwdriver NEW

- Insulated Screwdrivers Series certified by VDE (IEC60900), International certification authority.
- Safe and secured double insulation layer.
- Highly precise tip-end (black oxide finish).
- Chrome-vanadium steel, fully hardened.
- Flat Surface Grip.



No.960PS

						Inner Ctn.	Outer Ctn.	EDP No.
PS2 × 100	PS2	100	7.8	34	212	6	60	125827
PS3 × 150	PS3	150	9.8	36	277	6	60	125828

One point

For protection against electric shock

Insulated Screwdrivers Series certified by VDE, International certification authority.

1000V AC or less, 1500V DC or less



1000V

IEC60900

VDE is an authorized third-party certification organization.



Reliable - 100% Energization (Dielectric) Inspection Conducted!



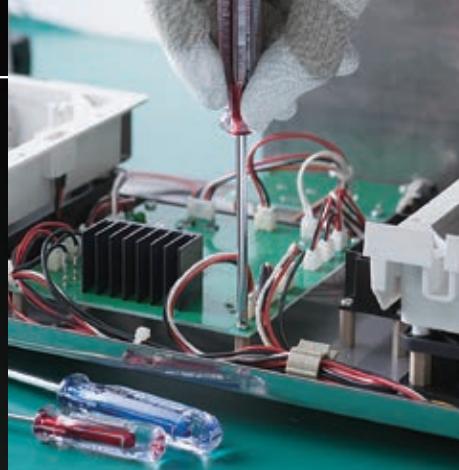
For prevention of electric shock, short-circuit during electric works for power equipment, and so on.

**WARNING!**

- 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.

No. 6300

"CRYSTALINE" Screwdriver



We have created a colorful grip with a crystalline sparkle. We offer an abundant lineup of shank sizes, including those capable of accessing deeply recessed or narrow areas.

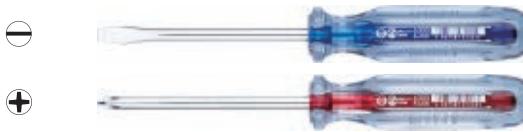


No. 6300
"CRYSTALINE"
Screwdriver

Uses cellulose acetate resin with good oil and chemical resistance. Uses raw materials such as wood and cotton (literal meaning of cellulose).

No.6300 "CRYSTALINE" Screwdriver**PAT.**

- Bright quartz "CRYSTALINE" handles. Color coding by $\oplus\ominus$.
- Uses cellulose acetate resin.

**No.6300**

						Inner Ctn.	Outer Ctn.	(mm)		EDP No.
\ominus	4.5×50	4.5	0.6	50	5.0	22.0	138	12	240	121201
\oplus	5.5×75	5.5	0.8	75	5.5	22.0	163	12	240	121202
\ominus	6×100	6.0	0.9	100	6.0	26.5	205	12	240	121203
\oplus	8×150	8.0	1.1	150	8.0	28.5	263	12	120	121205
\ominus	9×200	9.0	1.2	200	9.0	28.5	313	6	60	121206
\oplus	10×250	10.0	1.2	250	9.0	28.5	363	6	60	121207
\ominus	10×300	10.0	1.2	300	9.0	28.5	413	6	60	121208
\oplus	1×75	\oplus No.1	75	5.0	22.0	163	12	240		121209
\oplus	2×100	\oplus No.2	100	6.0	26.5	205	12	240		121210
\oplus	3×150	\oplus No.3	150	8.0	28.5	263	12	120		121211
\oplus	4×200	\oplus No.4	200	9.0	28.5	313	6	60		121212

**No.6300 "CRYSTALINE" Screwdriver
(Long Shank Type)****PAT.**

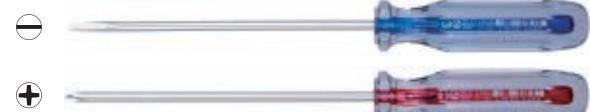
- Bright quartz "CRYSTALINE" handle. Marked for $\oplus\ominus$.
- Long shank for fastening in a hard-to-reach space.
- Uses cellulose acetate resin.

**No.6300**

						Inner Ctn.	Outer Ctn.	(mm)		EDP No.
\ominus	5×150	5.0	0.8	150	5.0	22	238	12	120	121213
\ominus	5×200	5.0	0.8	200	5.0	22	288	12	120	121214
\ominus	5×250	5.0	0.8	250	5.0	22	338	12	120	121215
\oplus	1×150	\oplus No.1	150	5.0	22	238	12	120		121216
\oplus	1×200	\oplus No.1	200	5.0	22	288	12	120		121217
\oplus	1×250	\oplus No.1	250	5.0	22	338	12	120		121218
\oplus	2×150	\oplus No.2	150	6.0	26.5	255	12	120		121219
\oplus	2×200	\oplus No.2	200	6.0	26.5	305	12	120		121220
\oplus	2×250	\oplus No.2	250	6.0	26.5	355	12	120		121221

No.6300E "CRYSTALINE" Screwdriver NEW PAT.

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

**No.6300E**

						Inner Ctn.	Outer Ctn.	(mm)		EDP No.
\ominus	5×150	5.0	0.8	150	5.0	26.5	255	12	120	121254
\ominus	5×200	5.0	0.8	200	5.0	26.5	305	12	120	121255
\ominus	5×250	5.0	0.8	250	5.0	26.5	355	12	120	121256
\oplus	1×150	\oplus No.1	150	5.0	26.5	255	12	120		121257
\oplus	1×200	\oplus No.1	200	5.0	26.5	305	12	120		121258
\oplus	1×250	\oplus No.1	250	5.0	26.5	355	12	120		121259

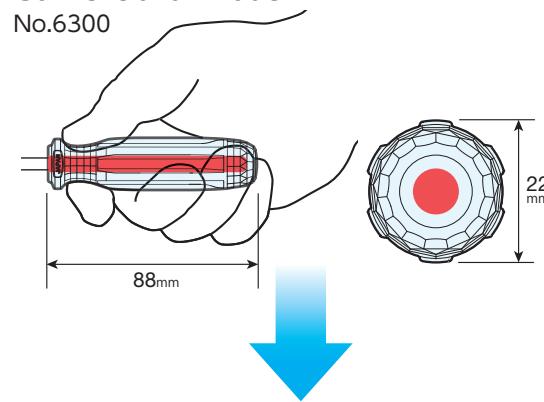
One point

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

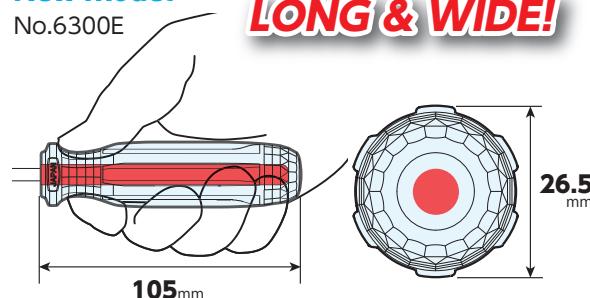
More comfortable to hold and more convenient to tighten screws.
Larger handle than our conventional 22mm model.

Conventional Model

No.6300

**New Model**

No.6300E



**No.6100 "CRYSTALINE" Screwdriver
(Thin Shank Type)**

PAT.

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

Cr-V
Steel
No.6100 Inner Ctn. Outer Ctn. (mm) EDP No.

	$\ominus 4 \times 50$	4.0	0.45	50	4	16	124.5	12	240	121001
	$\ominus 4 \times 75$	4.0	0.45	75	4	16	149.5	12	240	121002
	$\ominus 4 \times 100$	4.0	0.45	100	4	16	174.5	12	240	121003
	$\ominus 4 \times 150$	4.0	0.45	150	4	16	224.5	12	120	121005
	$\ominus 4 \times 200$	4.0	0.45	200	4	16	274.5	12	120	121006
	$\oplus 0 \times 75$	\oplus No.0	75	4	16	149.5	12	240	121323	
	$\oplus 0 \times 100$	\oplus No.0	100	4	16	174.5	12	240	121009	
	$\oplus 0 \times 150$	\oplus No.0	150	4	16	224.5	12	120	121325	
	$\oplus 0 \times 200$	\oplus No.0	200	4	16	274.5	12	120	121326	
	$\oplus 1 \times 75$	\oplus No.1	75	4	16	149.5	12	240	121008	
	$\oplus 1 \times 100$	\oplus No.1	100	4	16	174.5	12	240	121012	
	$\oplus 1 \times 150$	\oplus No.1	150	4	16	224.5	12	120	121013	
	$\oplus 1 \times 200$	\oplus No.1	200	4	16	274.5	12	120	121014	
	$\oplus 2 \times 200$	\oplus No.2	200	4	16	274.5	12	120	121015	
	$\oplus 2 \times 250$	\oplus No.2	250	4	16	324.5	12	120	121016	

**No.6200 "CRYSTALINE" Screwdriver
(Stubby Type)**

PAT.

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

Cr-V
Steel
No.6200 Inner Ctn. Outer Ctn. (mm) EDP No.

	$\ominus 6 \times 38$	6.0	0.9	38	6	30	87.5	12	240	121101
	$\oplus 1 \times 38$	\oplus No.1	38	6	30	87.5	12	240	121102	
	$\oplus 2 \times 38$	\oplus No.2	38	6	30	87.5	12	240	121103	

**No.6900 "CRYSTALINE" Screwdriver
(Precision Type)**

PAT.

- Bright quartz "CRYSTALINE" handle. Marked for $\oplus\ominus$.
- For intense precision work.
- Handle butt is recessed to allow pressing with fingertips for fast turning.
- Uses cellulose acetate resin.

Cr-V
Steel
No.6900 Inner Ctn. Outer Ctn. (mm) EDP No.

	$\ominus 2.5 \times 50$	2.5	0.35	50	3	14	101	24	240	121301
	$\ominus 2.5 \times 75$	2.5	0.35	75	3	14	126	24	240	121302
	$\ominus 2.5 \times 100$	2.5	0.35	100	3	14	151	24	240	121303
	$\oplus 00 \times 50$	\oplus No.00	50	3	14	101	24	240	121327	
	$\oplus 0 \times 75$	\oplus No.0	75	3	14	126	24	240	121304	

No.6603 Long Square Shank Screwdriver PAT.

- 450mm-long square shank. Fully hardened tough special steel.
- Effective with high strength tightening.
- For fastening screws of sanitary appliances, etc.
- Uses cellulose acetate resin.


No.6603 Outer Ctn. (mm) EDP No.

	$\ominus 9 \times 450$	9.0	1.2	450	8	113	28.5	563	6	122231
	$\oplus 2 \times 450$	\oplus No.2	450	6	113	28.5	563	6	122232	
	$\oplus 3 \times 450$	\oplus No.3	450	8	113	28.5	563	6	122233	

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 environmental load, and does not upset the CO₂ balance when burned.



No. B-370 Non-Slip Tang-Thru Screwdriver

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



No.B-370	Tip	Inner Ctn.	Outer Ctn.	EDP No.
⊖ 5.5 × 75	5.5 0.8 75	5.5	27.4 183	6 60 267590
⊖ 6 × 100	6.0 0.9 100	6.4	30.7 226	6 60 267591
⊖ 8 × 150	8.0 1.1 150	8.0	36.2 290	6 60 267592
⊕ 1 × 75	⊕No.1 75	5.5	27.4 183	6 60 267593
⊕ 2 × 100	⊕No.2 100	6.4	30.7 226	6 60 267594
⊕ 3 × 150	⊕No.3 150	8.0	36.2 290	6 60 267595

No. 4600 POZIDRIV Screwdriver

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



No.4600	Tip	Inner Ctn.	Outer Ctn.	EDP No.
PZ1× 75	PZ No.1 75	5	28 172	6 636011
PZ2× 100	PZ No.2 100	6	31 204	6 636012
PZ3× 150	PZ No.3 150	8	35 265	6 636013

No. 4500 Power Grip Screwdriver

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



No.4500	Tip	Inner Ctn.	Outer Ctn.	EDP No.
⊖ 5.5 × 75	5.5 0.8 75	5.8	28.0 172 8	6 240 123401
⊖ 6 × 100	6.0 0.9 100	6.4	31.8 204 10	6 120 123402
⊖ 8 × 150	8.0 1.1 150	8.0	35.6 265 12	6 120 123403
⊖ 9 × 200	9.0 1.2 200	9.0	37.0 320 12	6 60 123404
⊕ 1 × 75	⊕No.1 75	5.8	28.0 172 8	6 240 123405
⊕ 2 × 100	⊕No.2 100	6.4	31.8 204 10	6 120 123406
⊕ 3 × 150	⊕No.3 150	8.0	35.6 265 12	6 120 123407
⊕ 4 × 200	⊕No.4 200	9.0	37.0 320 12	6 60 123408

No. 4100 Power Socket Screwdriver

- For fastening and loosening hexagon bolts and nuts.



No.4100	Tip	Inner Ctn.	Outer Ctn.	EDP No.
A/F 5 ×115	5 8 18 115	5.0	28.0 212	6 60 123501
A/F 5.5×115	5.5 9 18 115	5.0	28.0 212	6 60 123502
A/F 6 ×115	6 9 18 115	5.5	28.0 212	6 60 123503
A/F 7 ×125	7 10 18 125	5.5	28.0 222	6 60 123504
A/F 8 ×125	8 12 20 125	5.5	31.8 229	6 60 123505
A/F 9 ×125	9 12.7 20 125	6.3	31.8 229	6 60 123506
A/F 10×125	10 15 20 125	7.0	35.6 240	6 60 123507
A/F 11×125	11 15 20 125	7.0	35.6 240	6 60 123508
A/F 12×150	12 17 20 150	8.0	35.6 265	6 60 123509
A/F 13×150	13 19 20 150	8.0	35.6 265	6 60 123510

No. 5400TX Power Grip TORX Screwdriver

- Champagne gold plating keeping the precise tip quality.
- Cellulose acetate resin grip. Ergonomic design.
- For working with tamper-proof screws (T5 and T6 excluded).



→See P48 One point

No.5400TX	Tip	Inner Ctn.	Outer Ctn.	EDP No.
T 5 × 80	1.42 80	2.5	17.0 155	12 60 122854
T 6 × 80	1.69 80	2.5	17.0 155	12 60 122855
T 7Hx × 80	1.97 80	2.5	17.0 155	12 60 122856
T 8Hx × 80	2.3 80	3.0	17.0 155	12 60 122857
T 9Hx × 80	2.48 80	3.0	17.0 155	12 60 122858
T10Hx × 80	2.72 80	3.0	17.0 155	12 60 122859
T15Hx × 80	3.26 80	3.5	28.0 177	6 60 122860
T20Hx × 120	3.84 120	4.0	28.0 217	6 60 122861
T25Hx × 120	4.4 120	5.0	31.8 224	6 60 122862
T27Hx × 120	4.96 120	5.0	31.8 224	6 60 122863
T30Hx × 120	5.49 120	6.0	35.6 235	6 60 122864
T40Hx × 120	6.6 120	7.0	35.6 235	6 60 122865

TORX® is a registered trademark of Acument TM Intellectual Properties, LLC (USA). VESSEL has a manufacturing license in Japan and selling same to the world.

No. B-5400BP Power Grip UltraBall Screwdriver

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



No.B-5400BP	Tip	Outer Ctn.	EDP No.
H 1.5x × 80	1.5 80	2.5	17.0 155 30 267565
H 2 × 80	2 80	3.0	17.0 155 30 267566
H 2.5x × 80	2.5 80	3.0	17.0 155 30 267567
H 3 × 120	3 120	3.5	28.0 217 30 267568
H 4 × 120	4 120	5.0	31.8 224 30 267569
H 5 × 120	5 120	6.0	35.6 235 30 267570
H 6 × 120	6 120	7.0	35.6 235 30 267571

No. TD-250Y/ 220B/ 240G 3-Point Screwdriver

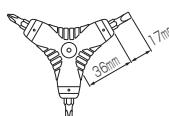
- 3 sizes in 1 compact handy tool.
- Y-handle fits in the palm of the hand. Delivers powerful fastening strength.

**⊕ No. TD-250Y****⊖ No. TD-220B****◆ No. TD-240G**

Model No.	Set content	Package size (mm)	Inner Ctn.	EDP No.
TD-250Y	⊕1 / ⊕2 / ⊕3	120×95×18	10	251211
TD-220B	H2 / H2.5 / H3	120×95×18	10	251221
TD-240G	H4 / H5 / H6	120×95×18	10	251222

No. TD-210 3-Point Cross Screwdriver

- 3 sizes in 1 compact handy tool.
- Y-handle fits in the palm of the hand. Delivers powerful fastening strength.



Set content	Package size (mm)	Inner Ctn.	Outer Ctn.	EDP No.
⊕1 / ⊕2 / ⊕3	135×120×20	10	60	251210

No. TD-6310HX Hex Screwdriver Set

- Bit insertion part ● 6.35mm. Magnetized.
- Holds securely short bits. Reliable fastening as the bit does not drop easily.
- Grip made of environmental-friendly plant material.
- Provided with a bit belt for storage.



Set content	Package size (mm)	Outer Ctn.	EDP No.
Body	length 213mm dia. 28.5mm		
Bits	⊖4, ⊕6, ⊕4, ⊕4, ⊕4, H2.5, H3, H4, H5, H6×25.4mm	235×100×29	10
Accessories	Bit belt holder		247029

No. TD-6310TX TORX Screwdriver Set

- Bit insertion part ● 6.35mm. Magnetized.
- Holds securely short bits. Reliable fastening as the bit does not drop easily.
- Grip made of environmental-friendly plant material.
- Provided with a bit belt for storage.

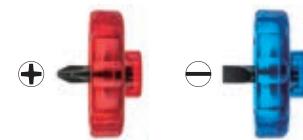


Set content	Package size (mm)	Outer Ctn.	EDP No.
Body	length 213mm dia. 28.5mm		
Bits	⊖6, ⊕2, T8H, T10H, T15H, T20H, T25H, T27H, T30H, T40H×25.4mm	235×100×29	10
Accessories	Bit belt holder		247028

TORX® is a registered trademark of Acument TM Intellectual Properties, LLC (USA). VESSEL has a manufacturing license in Japan and selling same to the world.

No. TD-13-P2 / -S6 KOMADORA Stubby Screwdriver NEW

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



No.TD13	Inner Ctn.	Outer Ctn.	EDP No.
TD13-P2 (⊕2×10)	10	42.0	27
TD13-S6 (⊖6×10)	10	42.0	27

No. TD-13W / -13W5 KOMADORA Stubby Screwdriver NEW

- 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.



No.TD13W	Inner Ctn.	Outer Ctn.	EDP No.
TD13W (⊕2×10)	42.0	27	10
TD13W5 (⊖6,⊕1,⊕2,⊕3×10)	42.0	27	10

No. TD-410 "FAMIDORA" Reversible Blade Screwdriver

- Ergonomic handle that fits in the palm of the hand.
- Fully hardened shank. Tough tip.

Cr-V
steel

Set content		Package size (mm)		Inner Ctn.	Outer Ctn.	EDP No.
Handle	length 101.5mm dia. 29mm					
Driver blades	⊕2 / ⊕6×150mm	185×75×31	10	60		251801

No. TD-2100 "Dual-Tone" Screwdriver Set

- Set of a handle and interchangeable blades, convenient for repair/ disassembly of electric goods, toys, and equipment instruments.
- Octagonal grip effectively transmitting fastening force; made of polypropylene, oil and chemical resistant.
- Blades have a thin non-electrolytic plating layer and fits screws.
- Magnetized tip catching screws. ●Provided with a handy bag.

Cr-V
steel

Set content		Package size (mm)		Inner Ctn.	EDP No.
Handle	length 100mm dia. 30mm				
Driver blades	⊕1, ⊕2, ⊕4, ⊕6×120mm	126×64×35		40	247030

No. TD-912N "FAMIDORA 12" Screwdriver 12-Piece Set

- Ergonomic handle that fits in the palm of the hand.
- Color-coded interchangeable driver blades.
- Provided with a screwdriver stand, which is convenient for storage.

MG
Cr-V
steel

Set content		Package size (mm)		Inner Ctn.	Outer Ctn.	EDP No.
Handle	length 100mm dia. 29.5mm					
Driver blades	⊕0, ⊕1, ⊕2, ⊕2.5, ⊕4, ⊕6, Awl, Pin extractor×128mm	160×150×35	10	60		251800

No. TD-800 "FAMIDORA 8" Screwdriver 8-Piece Set

- Ergonomic handle that fits in the palm of the hand.
- Color-coded interchangeable driver blades.
- Provided with a screwdriver stand, which is convenient for storage.

MG
Cr-V
steel

Set content		Package size (mm)		Inner Ctn.	Outer Ctn.	EDP No.
Handle	length 100mm dia. 29.5mm					
Driver blades	⊕0, ⊕1, ⊕2, ⊕2.5, ⊕4, ⊕6, Awl, Pin extractor×128mm	160×150×35	10	60		251800

One point**Features of the FAMIDORA series**
Small handle / Big handle

Compact design useful as a standing set in households, offices, stores, etc.



Without big handle, the screwdriver can be used.



In a drawer



In a gap beside a cash register



For mounting hardware



For fastening a sign with screws

No. 550

"SEPADORA" Screwdriver



No. 550
"SEPADORA"
Screwdriver

Eco screwdrivers of the special manufacturing process that enables the shank and the handle to be separated.

The ergonomic grip designed in the motif of a leaf is superior in tightening force.



Elastomer wrapping
the grip holds the shank.

PAT.

Caution (SEPADORA)

- Eco screwdrivers are not tang-thru screwdrivers; hitting a screwdriver with a hammer disables the shank from being pulled out or causes it to be deformed or broken.

※The above illustration is for reference only.



Environmentally friendly products with low environmental impacts are desired in corporate activities.

All are ecological when held by hand.

HAND TOOLS

BITS & SOCKETS

ELECTRIC TOOLS

AIR TOOLS

STATIC SOLUTIONS

GASOLINE ENGINE TOOLS

No.550 "SEPADORA" Screwdriver

PAT.

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

Cr-V
steel

← See P21

No.550	∅ 5.5 × 75	5.5	0.8	75	5.0	30.0	175	6	120	121601	Inner Ctn.	Outer Ctn.	(mm)	EDP No.
	∅ 6 × 100	6.0	0.9	100	6.0	33.5	210	6	60	121602				
	∅ 8 × 150	8.0	1.1	150	8.0	36.0	275	6	60	121603				
	⊕ 1 × 75	⊕No.1	75	5.0	30.0	175	6	120	121611					
	⊕ 2 × 100	⊕No.2	100	6.0	33.5	210	6	60	121612					
	⊕ 2 × 150	⊕No.2	150	6.0	33.5	260	6	60	121613					
	⊕ 3 × 150	⊕No.3	150	8.0	36.0	275	6	60	121616					

No.560 "SEPADORA" Screwdriver (Thin Shank Type)

PAT.

- 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.

Cr-V
steel

No.560	∅ 4 × 75	4.0	0.5	75	4.0	19.8	153	12	240	121632	Inner Ctn.	Outer Ctn.	(mm)	EDP No.
	∅ 4 × 100	4.0	0.5	100	4.0	19.8	178	12	240	121633				
	∅ 4 × 150	4.0	0.5	150	4.0	19.8	228	12	240	121634				
	∅ 4 × 200	4.0	0.5	200	4.0	19.8	278	12	240	121635				
	⊕ 0 × 75	⊕No.0	75	4.0	19.8	153	12	240	121642					
	⊕ 1 × 100	⊕No.1	100	4.0	19.8	178	12	240	121647					
	⊕ 2 × 150	⊕No.2	150	4.0	19.8	228	12	240	121651					

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



Tip shape is shown on the grip end

**Elastomer grip**

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

No.590 "SEPADORA" Screwdriver (Precision Type)

PAT.

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

Cr-V
steel

No.590	∅ 2.5 × 50	2.5	0.35	50	3.0	15.4	99	24	480	121671	Inner Ctn.	Outer Ctn.	(mm)	EDP No.
	∅ 2.5 × 75	2.5	0.35	75	3.0	15.4	124	24	480	121672				
	∅ 2.5 × 100	2.5	0.35	100	3.0	15.4	149	24	480	121673				
	⊕ 00 × 50	⊕No.00	50	3.0	15.4	99	24	480	121674					
	⊕ 0 × 75	⊕No.0	75	3.0	15.4	124	24	480	121675					

No.570 "SEPADORA" Screwdriver (Stubby Type)

PAT.

- 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.

Cr-V
steel

No.570	∅ 6 × 25	6.0	0.9	25	6.0	45	50	12	240	121661	Inner Ctn.	Outer Ctn.	(mm)	EDP No.
	⊕ 1 × 25	⊕No.1	25	6.0	45	50	12	240	121662					
	⊕ 2 × 25	⊕No.2	25	6.0	45	50	12	240	121663					

No.500 ECO VALUE Screwdriver

- Robust looking black hard grip.
- Wavy octagonal grip fits your palm and transmits driving torque effectively.
- Champagne gold plating, keeping the precise tip quality.



No.500							Inner Ctn.	Outer Ctn.	(mm)	EDP No.
⊖ 5.5 × 75	5.5	0.8	75	5.0	30.0	175	6	120	121751	
⊖ 6 × 100	6.0	0.9	100	6.0	33.5	210	6	60	121752	
⊖ 8 × 150	8.0	1.1	150	8.0	36.0	275	6	60	121753	
⊕ 1 × 75	⊕No.1	75	5.0	30.0	175		6	120	121761	
⊕ 2 × 100	⊕No.2	100	6.0	33.5	210		6	60	121762	
⊕ 3 × 150	⊕No.3	150	8.0	36.0	275		6	60	121766	

※The shank is not separable.

No.520 ECO VALUE Screwdriver (Stubby Type)

- Robust looking black hard grip.
- Wavy octagonal grip fits your palm and transmits driving torque effectively.
- Ideal for working in cramped spaces.
- Champagne gold plating, keeping the precise tip quality.



No.520							Inner Ctn.	Outer Ctn.	(mm)	EDP No.
⊖ 6 × 25	6.0	0.9	25	6.0	45	50	12	240	121811	
⊕ 1 × 25	⊕No.1	25	6.0	45	50		12	240	121812	
⊕ 2 × 25	⊕No.2	25	6.0	45	50		12	240	121813	

※The shank is not separable.

No.510 ECO VALUE Screwdriver

- 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.
- Champagne gold plating, keeping the precise tip quality.



No.510							Inner Ctn.	Outer Ctn.	(mm)	EDP No.
⊖ 4 × 75	4.0	0.45	75	4.0	19.8	153	12	240	121782	
⊖ 4 × 100	4.0	0.45	100	4.0	19.8	178	12	240	121783	
⊕ 0 × 75	⊕No.0	75	4.0	19.8	153		12	240	121792	
⊕ 1 × 100	⊕No.1	100	4.0	19.8	178		12	240	121797	

※The shank is not separable.

No.460NT-9S ECOSOFT T-bar screwdriver (w/socket bit set)

- 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. Hex drive 6.35mm.



Set content		Package size (mm)	Inner Ctn.	Outer Ctn.	EDP No.
Body	length 165.5mm dia. 100mm				
Socket bits	A/F5, A/F5.5, A/F6, A/F7, A/F8, A/F9, A/F10, A/F12, A/F13 x26.5mm				
Accessories					Socket bit holder

※The shank is not separable.

No.540 ECO VALUE Screwdriver (Precision Type)

- 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.
- Champagne gold plating, keeping the precise tip quality.



No.540							Inner Ctn.	Outer Ctn.	(mm)	EDP No.
⊖ 2.5× 50	2.5	0.35	50	3.0	15.4	99	24	480	121821	
⊕ 00 × 50	⊕No.00	50	3.0	15.4	99		24	480	121824	
⊕ 0 × 75	⊕No.0	75	3.0	15.4	124		24	480	121825	

※The shank is not separable.

No. 100

Powerful Tang-Thru Screwdriver



No. 100

Powerful Tang-Thru Screwdriver

Especially large, heavy-duty end cap. An especially large end cap efficiently delivers the shock of the hammer blow.

When tapped with a hammer, and adjusting the force of the tapping to the condition of the material concerned, this screwdriver can be used effectively to loosen stripped or rusted screws.



Luxurious furniture finish coating on the large handle, which fits more comfortably in your hand the more you use it.

Its better usability compared to plastic handles attracts support from many professional users.

No. 100 Powerful Tang-Thru Screwdriver

- Wooden handle and Tang-Thru shank with thick end cap.
- Large and long grip comfortable to hold.
- Black point tip.



No.100	∅ 5.5 × 75	5.5	0.8	75	5.8	27.0	182	6	120	EDP No.
	∅ 6 × 100	6.0	0.9	100	6.4	30.5	223	6	120	111052
	∅ 6 × 300	6.0	0.9	300	6.4	30.5	423	6	60	111061
	∅ 8 × 150	8.0	1.1	150	8.0	34.0	294	6	120	111053
	⊕ 1 × 75	⊕No.1	75	5.8	27.0	182	6	120	111054	
	⊕ 2 × 100	⊕No.2	100	6.4	30.5	223	6	120	111055	
	⊕ 2 × 300	⊕No.2	300	6.4	30.5	423	6	60	111066	
	⊕ 3 × 150	⊕No.3	150	8.0	34.0	294	6	120	111056	

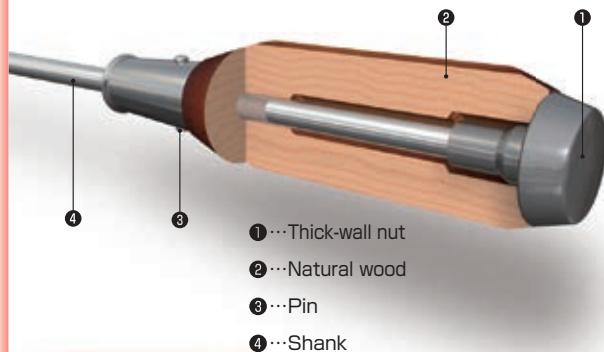
One point**Furniture-quality grip...**

These grips are one size larger than the usual, and have been given a furniture type finish for an especially high-quality feel.

Especially large, heavy-duty end cap.

An especially large end cap efficiently delivers the shock of the hammer blow.

When tapped with a hammer, and adjusting the force of the tapping to the condition of the material concerned, this screwdriver can be used effectively to loosen stripped or rusted screws.



① ...Thick-wall nut
② ...Natural wood
③ ...Pin
④ ...Shank



A hammer's impact force is transmitted efficiently.

No. 350 Wooden Handle Tang-Thru Screwdriver

- Widely-used standard wooden handle screwdriver.
- Wooden handle and Tang-Thru shank with large end cap.
- Shot blasting tip.



No.350	∅ 5.5 × 75	5.5	0.8	75	5.5	25	178	12	120	EDP No.
	∅ 6 × 100	6.0	0.9	100	6.3	28	218	12	240	111003
	∅ 8 × 150	8.0	1.1	150	8.0	33	283	6	120	111005
	∅ 9 × 200	9.0	1.2	200	9.0	36	355	6	60	111006
	∅ 10 × 300	10.0	1.2	300	9.0	36	455	6	60	111008
	⊕ 1 × 75	⊕No.1	75	5.0	25	178	12	120	111010	
	⊕ 2 × 100	⊕No.2	100	6.3	28	218	12	240	111011	
	⊕ 3 × 150	⊕No.3	150	8.0	33	283	6	120	111012	
	⊕ 4 × 200	⊕No.4	200	9.0	36	355	6	60	111013	

No. 350 Wooden Handle Tang-Thru Screwdriver (Long Shank Type)

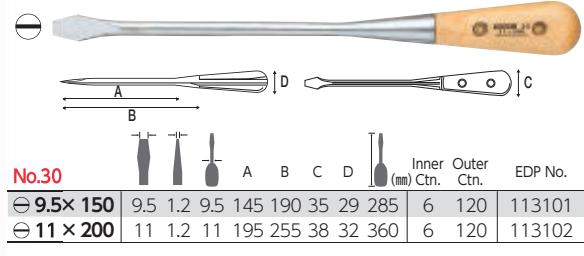
- Wooden handle and Tang-Thru shank.
- Long shank for fastening in a hard-to-reach space.



No.350	∅ 6 × 200	6.0	0.9	200	6.3	28	320	12	120	EDP No.
	∅ 6 × 250	6.0	0.9	250	6.3	28	370	12	120	111019
	∅ 6 × 300	6.0	0.9	300	6.3	28	420	12	120	111020
	⊕ 2 × 200	⊕No.2	200	6.3	28	320	12	120	111024	
	⊕ 2 × 250	⊕No.2	250	6.3	28	370	12	120	111025	
	⊕ 2 × 300	⊕No.2	300	6.3	28	420	12	120	111026	

No. 30 "SPLIT" Handle Screwdriver

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



No.30	∅ 9.5 × 150	9.5	1.2	9.5	145	190	35	29	285	Inner Ctn.	Outer Ctn.	EDP No.
	∅ 11 × 200	11	1.2	11	195	255	38	32	360	6	120	113102

No. 300

Wood-Compo Screwdriver

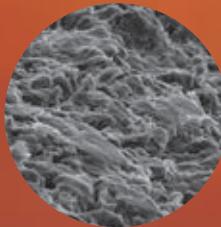


A D V A N C E D
NON-SLIP
T E C H N O L O G Y

No. 300

Wood-Compo Screwdriver

The grip part is made by unique mold injection technique for "wood resin" which is a compound of wood powder and plastic. Wood powder is the main material, realizing texture and feeling to fit comfortably in your hand like those made of natural wood.



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.

※The above illustration is for reference only.

HAND TOOLS

BITS & SOCKETS

ELECTRIC TOOLS

AIR TOOLS

STATIC SOLUTIONS

GASOLINE ENGINE TOOLS

No.300 Wood-Compo Screwdriver

PAT.

- Extraordinary non-slip grip; Secure working efficiency even with oily hands.
- Wood-composite resin, reproducing the natural material texture.
- Rust-resistant black chrome plating shank.

Cr-V
Steel

No.300

	Inner Ctn. (mm)	Outer Ctn.	EDP No.
⊖ 5.5× 75	5.5 0.8 75	5.5 30 182	6 120 120021
⊖ 6× 100	6.0 0.9 100	6.4 32 215	6 120 120022
⊖ 6× 150	6.0 0.9 150	6.4 32 265	6 120 120027
⊖ 8× 150	8.0 1.1 150	8.0 35 275	6 120 120023
⊕ 1× 75	⊕No.1 75	5.5 30 182	6 120 120024
⊕ 2× 100	⊕No.2 100	6.4 32 215	6 120 120025
⊕ 2× 150	⊕No.2 150	6.4 32 265	6 120 120029
⊕ 3× 150	⊕No.3 150	8.0 35 275	6 120 120026

No. B-330 Wood-Compo Tang-Thru Screwdriver PAT.

- Extraordinary non-slip grip; Secure working efficiency even with oily hands.
- Wood-composite resin, reproducing the natural material texture.
- Tang-thru type, which can be tapped by a hammer. With star-shaped nut.
- Rust-resistant black chrome plating shank.

Cr-V
Steel

No.B-330

	Inner Ctn. (mm)	Outer Ctn.	EDP No.
⊖ 5.5× 75	5.5 0.8 75	5.5 30 183	6 120 120041
⊖ 6× 100	6.0 0.9 100	6.4 32 217	6 120 120042
⊖ 6× 150	6.0 0.9 150	6.4 32 267	6 60 120043
⊖ 8× 150	8.0 1.1 150	8.0 35 277	6 60 120044
⊕ 1× 75	⊕No.1 75	5.5 30 183	6 120 120045
⊕ 2× 100	⊕No.2 100	6.4 32 217	6 120 120046
⊕ 2× 150	⊕No.2 150	6.4 32 267	6 60 120047
⊕ 3× 150	⊕No.3 150	8.0 35 277	6 60 120048

No.320 Wood-Compo Screwdriver (Stubby Type) PAT.

- Stubby type, which is convenient for tightening screws in cramped spaces.
- Wood-composite resin, reproducing the natural material texture.
- Rust-resistant black chrome plating shank.

Cr-V
Steel

No.320

	Inner Ctn. (mm)	Outer Ctn.	EDP No.
⊖ 6× 15	6.0 0.9 15	6.0 35 68	6 120 120035
⊕ 2× 15	⊕No.2 15	6.0 35 68	6 120 120037

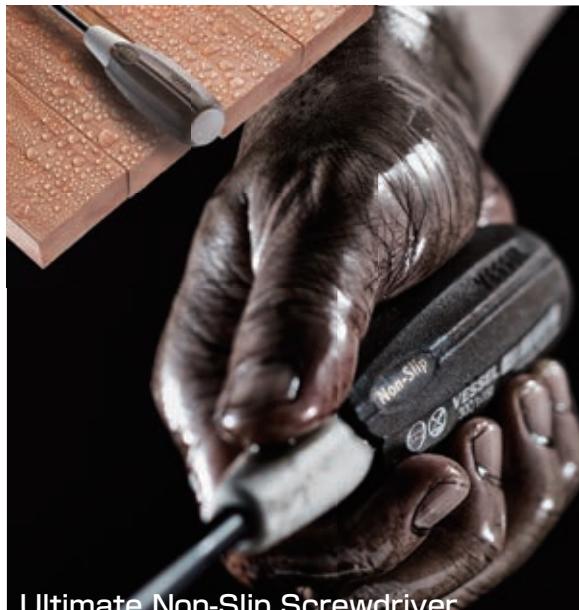
No. B-330 Wood-Compo Tang-Thru Screwdriver PAT.

- Extraordinary non-slip grip; Secure working efficiency even with oily hands.
- Tang-thru type, which can be tapped by a hammer. With star-shaped nut.
- Rust-resistant black chrome plating shank.

Cr-V
Steel

No.B-330

	Inner Ctn. (mm)	Outer Ctn.	EDP No.
⊖ 5.5× 75	5.5 0.8 75	5.5 30 183	6 120 120041
⊖ 6× 100	6.0 0.9 100	6.4 32 217	6 120 120042
⊖ 6× 150	6.0 0.9 150	6.4 32 267	6 60 120043
⊖ 8× 150	8.0 1.1 150	8.0 35 277	6 60 120044
⊕ 1× 75	⊕No.1 75	5.5 30 183	6 120 120045
⊕ 2× 100	⊕No.2 100	6.4 32 217	6 120 120046
⊕ 2× 150	⊕No.2 150	6.4 32 267	6 60 120047
⊕ 3× 150	⊕No.3 150	8.0 35 277	6 60 120048

**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.

**One point**

No. B-340TX**Wood-Compo TORX Screwdriver****PAT.**

- Extraordinary non-slip grip; Secures working efficiency even with oily hands.
- Wood-composite resin, reproducing the natural material texture.
- Non-electrolytic plating, keeping the precise tip quality.
- Also good for tamper-proof TORX screws.



No.B-340TX	I*	I	T	+	-	(mm)	Inner Ctn.	Outer Ctn.	EDP No.
T10HX 80	2.72	80	5.5	30	188	6	120	120081	
T15HX 80	3.26	80	5.5	30	188	6	120	120082	
T20HX120	3.84	120	5.5	30	228	6	120	120083	
T25HX120	4.40	120	6.4	32	236	6	60	120084	
T27HX120	4.96	120	6.4	32	236	6	60	120085	
T30HX120	5.49	120	8.0	35	246	6	60	120086	
T40HX120	6.60	120	8.0	35	246	6	60	120087	

TOX® is a registered trademark of Acument TM Intellectual Properties, LLC (USA). VESSEL has a manufacturing license in Japan and selling same to the world.

No. B-380NT**Wood-Compo Socket Screwdriver****PAT.**

- Extraordinary non-slip grip; Secures working efficiency even with oily hands. Wood-composite resin, reproducing the natural material texture.
- Black oxide plated socket.
- Rust resistant chrome plating. Hexagonal shank for fastening with a wrench.



No.B-380NT	I	O	I	+	-	(mm)	Inner Ctn.	Outer Ctn.	EDP No.	
A/F 5 ×125	5	8	18	125	5.0	30.0	224	6	60	120091
A/F 5.5×125	5.5	9	18	125	5.0	30.0	224	6	60	120092
A/F 7 ×125	7	10	18	125	5.0	30.0	224	6	60	120093
A/F 8 ×125	8	12	20	125	5.0	32.0	233	6	60	120094
A/F 10 ×125	10	15	20	125	7.0	32.0	233	6	60	120095
A/F 12 ×150	12	17	20	125	7.0	32.0	233	6	60	120096
A/F 13 ×150	13	19	22	125	7.0	32.0	233	6	60	120097
A/F 14 ×150	14	19	22	125	7.0	32.0	233	6	60	120098

No. B-370 Non-slip Tang-Thru Screwdrivers

- Unique Non-Slip finish that prevents slipping even if oil adheres on the grip.



- Tang-thru type with a large nut. Good for heavy duty work.
- The end of the handle has a color ring facilitates to distinguish the tip difference at a glance.



No.B-370	I	O	I	+	-	(mm)	Inner Ctn.	Outer Ctn.	EDP No.
5.5× 75	5.5	0.8	75	5.5	27.4	183	6	60	267590
6 × 100	6.0	0.9	100	6.4	30.7	226	6	60	267591
8 × 150	8.0	1.1	150	8.0	36.2	290	6	60	267592
⊕ 1 × 75	⊕No.1	75	5.5	27.4	183	6	60	267593	
⊕ 2 × 100	⊕No.2	100	6.4	30.7	226	6	60	267594	
⊕ 3 × 150	⊕No.3	150	8.0	36.2	290	6	60	267595	

No. HRH**Wood-Compo Ratchet Handle NEW**

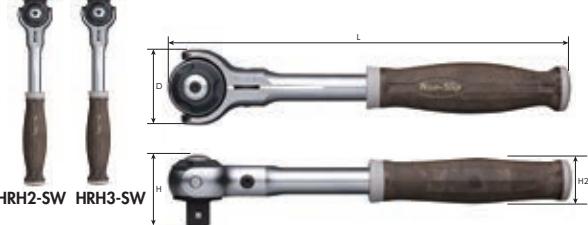
- Wedge type 72-tooth gear ratchet realizes a ultra small and highly durable head.
- Non-slip wood-composite handle 1/4sq.(6.35mm), reproducing the natural material texture.



No.HRH	Designation	Insertion	Feed Angle	D	H	H2	L (mm)	Inner Ctn.	Outer Ctn.	EDP No.
HRH2-W	1/4"sq.(6.35mm)		5°	20	20	30	145	6	60	162004
HRH3-W	3/8"sq.(9.5mm)		5°	25	27	30	180	6	60	162005

No. HRH**Wood-Compo Swivel Ratchet Handle NEW**

- Swiveling low-height ratchet head.
- Non-slip grip with constrictions good for use in a deep area.



No.HRH	Designation	Insertion	Feed Angle	D	H	H2	L (mm)	Inner Ctn.	Outer Ctn.	EDP No.
HRH2-SW	1/4"sq.(6.35mm)		5°	32	26.4	19.5	169	6	60	162104
HRH3-SW	3/8"sq.(9.5mm)		5°	32	29.5	19.5	169	6	60	162105

No. HRW2001M-W**Wood-Compo Socket Wrench Set NEW**

- Wedge type 72-tooth gear ratchet realizes a ultra small and highly durable head.
- Non-slip wood-composite handle 1/4sq.(6.35mm), reproducing the natural material texture.
- Surface contact sockets, avoiding the damage on the edges of bolts or nuts.



1/4"sq.(6.35mm) 36pcs.

Set content	EDP No.
Wood-Compo ratchet handle 1/4"sq.(6.35mm) Wood-Compo stubby handle 1/4"sq.(6.35mm) 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: 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	162001

Inner Ctn.: 3 sets, Outer Ctn.: 9 sets

No. HRW3002M-W**Wood-Compo Socket Wrench Set NEW**

- Wedge type 72-tooth gear ratchet realizes a ultra small and highly durable head.
- Non-slip wood-composite handle 3/8sq.(9.5mm), reproducing the natural material texture.
- Surface contact sockets, avoiding the damage on the edges of bolts or nuts.



3/8"sq.(9.5mm) 16pcs.

	Set content	EDP No.
HRW3002M-W	Wood-Compo ratchet handle 3/8"sq.(9.5mm) 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/F7, 8, 10, 11, 12, 13, 14, 17, 19, 21, 22mm	162002

Inner Ctn.: 3 sets, Outer Ctn.: 9 sets

No. HRW2004M-SW**Wood-Compo Swivel Socket Wrench Set NEW**

- The non-slip ratchet handle has the constricted end, which facilitates tightening work in a deep area.
- Low height ratchet swiveling head can be used for quick turning like a screwdriver, by setting the handle vertically to the head.
- Dodecagonal sockets for improved workability.
- Quick spinner to turn quickly sockets, even a small one.

Dodecagonal socket

Quick spinner, turning quickly
sockets, even a small one.

1/4"sq.(6.35mm) 21pcs.

	Set content	EDP No.
HRW2004M-SW	Wood-Compo swivel ratchet handle 1/4"sq. (6.35mm) 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: H2.5, 3, 4, 5, 6, 8mm 1/4"sockets: A/F5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm	162102

Inner Ctn.: 3 sets, Outer Ctn.: 9 sets

No. HRW2303M-W**Wood-Compo Socket Wrench Set NEW**

- Wedge type 72-tooth gear ratchet realizes a ultra small and highly durable head.
- Non-slip wood-composite handle 1/4sq.(6.35mm) and 3/8sq.(9.5mm), reproducing the natural material texture.
- Surface contact sockets, avoiding the damage on the edges of bolts or nuts.



1/4"sq.(6.35mm)/3/8"sq.(9.5mm) 36pcs.

	Set content	EDP No.
HRW2303M-W	Wood-Compo ratchet handle 3/8"sq. (9.5mm) Wood-Compo spinner handle 1/4"sq. (6.35mm) 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/F4, 4.5, 5, 5.5, 6, 7, 8mm 3/8"sockets: A/F10, 11, 12, 13, 14, 17, 19, 21, 22mm Bits: \ominus 4, 6, \oplus 1, 2, 3, H3, H4, H5, H6, T10, T15, T20, T25, T30, T40	162003

Inner Ctn.: 3 sets, Outer Ctn.: 9 sets

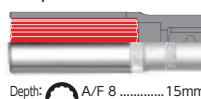
No. HRW3005M-SW**Wood-Compo Swivel Socket Wrench Set NEW**

- The non-slip ratchet handle has the constricted end, which facilitates tightening work in a deep area.
- Low height ratchet swiveling head can be used for quick turning like a screwdriver, by setting the handle vertically to the head.
- Dodecagonal sockets for improved workability.
- Deep hole sockets, also dodecagonal, are included.
- Quick spinner to turn quickly sockets, even a small one.

Dodecagonal socket



Deep hole socket

Depth: \odot A/F 8 15mm

A/F 10/12/14/30mm



3/8"sq.(9.5mm) 16pcs.

	Set content	EDP No.
HRW3005M-SW	Wood-Compo swivel ratchet handle 3/8"sq. (9.5mm) Extension bar Overall length 55mm 3/8"sq. (9.5mm) Quick spinner 3/8"sq. (9.5mm) Deep socket 3/8"sq. (9.5mm): H8, 10, 12, 14mm 3/8"sockets: A/F8, 10, 12, 13, 14, 17, 19, 21, 24mm	162103

Inner Ctn.: 3 sets, Outer Ctn.: 9 sets

No. 990

G-grip Screwdriver

HAND TOOLS

BITS & SOCKETS

ELECTRIC TOOLS

AIR TOOLS

STATIC SOLUTIONS

GASOLINE ENGINE TOOLS



No. 990

G-grip Screwdriver

Quick-turning screwdriver, taking advantage of the gravity force.
The perfect shape for high-precision work
The weight of the internal steel ball freely rotates the cap in the palm of the hand to provide the optimum grip position.

This precision screwdriver is perfect for the delicate screw tightening operations of precision work. Our high-precision, tip process conforms to JIS and JCIA standards. The ergonomic grips employed enable a smoother torque transfer.

*The above illustration is for reference only.

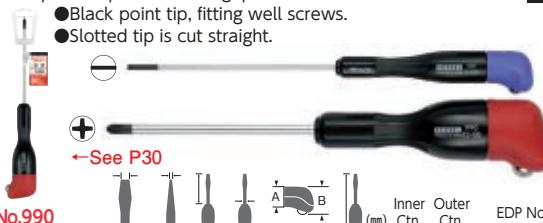
No. 990 G-grip Screwdriver

PAT.

- The weight of the steel ball keeps the end cap in an optimum position for a grip.

StepFlat Cr-V Steel

- Black point tip, fitting well screws.
- Slotted tip is cut straight.



→ See P30

No.990

						Inner Ctn.	Outer Ctn.	EDP No.
⊖ 1.8×	50	1.8	0.25	50	2.5	16	21	148
⊖ 2.5×	75	2.5	0.35	75	2.5	10	170	125902
⊖ 3 ×	100	3	0.45	100	3	10	195	125903
⊖ 4 ×	100	4	0.6	100	4.0	16	21	198
⊖ 5 ×	100	5	0.8	100	5.0	30	38	215
⊕ 00 ×	75	⊕No.0	0.75	75	2.5	16	21	173
⊕ 0 ×	100	⊕No.0	1.00	100	3.0	16	21	198
⊕ 1 ×	100	⊕No.1	1.00	100	3.0	30	38	215
⊕ 2 ×	100	⊕No.2	1.00	100	5.0	30	38	215

No. 990TX G-grip TORX Screwdriver

PAT.

- The weight of the steel ball keeps the end cap in an optimum position for a grip.

MagicSpring Cr-V Steel

- A special precision spring is welded to the tip by laser, enabling the screwdriver to catch a TORX screw firmly by spring action.



→ See P48 One point

No.990TX

						Inner Ctn.	Outer Ctn.	EDP No.
T3 ×	40	1.13	40	2.5	16	21	138	125921
T5 ×	40	1.42	40	2.5	16	21	138	125923
MagicSpring T6 ×	40	1.69	40	2.5	16	21	138	125924
MagicSpring T8 ×	40	2.3	40	2.5	16	21	138	125926
MagicSpring T9 ×	40	2.48	40	4.0	16	21	138	125927
MagicSpring T10×	80	2.72	80	4.0	30	38	195	125928
MagicSpring T15×	80	3.26	80	5.5	30	38	195	125929
MagicSpring T20×	80	3.84	80	5.5	30	38	195	125930

TORX® is a registered trademark of Acument TM Intellectual Properties, LLC (USA). VESSEL has a manufacturing license in Japan and selling same to the world.

No. 9900 Micro Screwdriver

Cr-V Steel

- Equipped with a cap for fast turning on the grip.
- Remarkably highly precise black point tip.



No.9900

						Inner Ctn.	Outer Ctn.	EDP No.
⊖ 1.8×	50	1.8	0.25	50	2.5	10	145	12 120 125621
⊖ 2.5×	75	2.5	0.35	75	2.5	10	170	12 120 125622
⊖ 3 ×	100	3	0.45	100	3	10	195	12 120 125623
⊖ 3 ×	150	3	0.45	150	3	10	245	12 120 125624
⊕ 00 ×	75	⊕No.0	0.75	75	2.5	10	170	12 120 125625
⊕ 0 ×	100	⊕No.0	1.00	100	3	10	195	12 120 125626
⊕ 0 ×	150	⊕No.0	1.00	150	3	10	245	12 120 125627

No. 9902/9903 3-Piece Micro Screwdriver Set

Cr-V Steel

- 2 types recommended to precision fields.

- Set of frequently used sizes.

- For adjustment and repair of precision device, electric device, glasses, watches, etc.



⊖ +

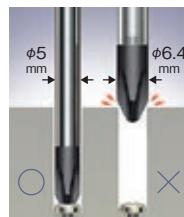
Model No.	Set content	Package size (mm)	Inner Ctn.	Outer Ctn.	EDP No.
9902	No.9900 ⊖00x75, ⊖0x100, ⊖1.8x50	235x70x15	5	30	125636
9903	No.9900 ⊖00x75, ⊖2.5x75, ⊖3x100	235x70x15	5	30	125637

One point**Features of the precision tip**

Precisely-finished tip-end good for minuscule screws
No.990 / No.9900



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

**No.990**

6mm hole, M3 round head screw, and screw head dia. of φ5.5 mm



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

No.990

1.8 / 2.5 / 3 / 4 / 5



StepFlat



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

No.990TX

T6 / T8 / T9 / T10 / T15 / T20



MagicSpring

TORX® is a registered trademark of Acument TM Intellectual Properties, LLC (USA). VESSEL has a manufacturing license in Japan and selling same to the world.

No. TD-51 Precision Micro Screwdriver

- The main body is made of stainless steel (the end cap is made of resin).
- For assembly, repair, and disassembly of precision devices, cameras, watches, glasses, etc.



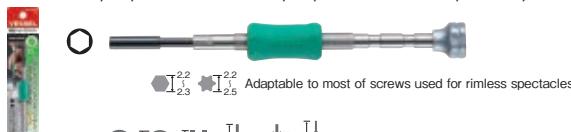
No.TD-51 Cushion (mm) Grip color Inner Ctn. Outer Ctn. EDP No.

\ominus 0.7	0.7	0.15	10	0.7	90	Purple	10	100	251350
\ominus 0.9	0.9	0.2	10	0.9	90	Green	10	100	251351
\ominus 1.2	1.2	0.25	10	1.2	90	Blue	10	100	251352
\ominus 1.8	1.8	0.3	20	1.8	100	Black	10	100	251353
\ominus 2.3	2.3	0.35	22	2.3	102	Purple	10	100	251354
\ominus 3.0	3.0	0.4	26	3.0	106	Red	10	100	251355
\ominus 3.5	3.5	0.5	28	3.5	108	Yellow	10	100	251356
\oplus 0000	\oplus No.0000		17	1.4	97	Lemon	10	100	251394
\oplus 000	\oplus No.000		20	1.6	100	Yellow/ Green	10	100	251393
\oplus 00	\oplus No.00		24	2.4	104	Red	10	100	251357
\oplus 0	\oplus No.0		26	3.0	106	Yellow	10	100	251358
\oplus 1	\oplus No.1		26	3.0	106	Green	10	100	251359

Package size···160×35×14mm

No. TD-52 Precision Nutdriver

- The main body is made of stainless steel (the end cap is made of resin).
- For assembly, repair, and disassembly of precision devices, spacer, toys, etc.



No.TD-52 Cushion (mm) Grip color Inner Ctn. Outer Ctn. EDP No.

	—	4.0	12	25	3.0	105	Green	10	100	251361
A/F 3.0	3.0	5.0	7	25	3.0	105	Blue	10	100	251362
A/F 4.0	4.0	6.0	9	25	3.0	105	Black	10	100	251363
A/F 4.5	4.5	6.5	10	25	3.0	105	Purple	10	100	251364
A/F 5.0	5.0	7.0	11	25	3.0	105	Red	10	100	251365
A/F 5.5	5.5	8.0	10	25	3.0	105	Yellow	10	100	251366

Package size···160×35×14mm

No. TD-53 Precision Hex Driver

- The main body is made of stainless steel (the end cap is made of resin).
- For assembly, repair, and disassembly of precision devices, toys, etc.



No.TD-53 Cushion (mm) Grip color Inner Ctn. Outer Ctn. EDP No.

H 0.89	0.89	18	98	Green	10	100	251371
H 1.27	1.27	18	98	Blue	10	100	251372
H 1.5	1.5	18	98	Black	10	100	251373
H 2.0	2.0	24	104	Purple	10	100	251374
H 2.5	2.5	24	104	Yellow	10	100	251375

Package size···160×35×14mm

No. TD-54 Watch Band Pin Punch

- The main body is made of stainless steel (the end cap is made of resin).
- For adjustment of the watch band.



No.TD-54 I Inner Ctn. Outer Ctn. EDP No.

0.7	0.7	10	0.7	90	10	100	251380
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Package size···160×35×14mm

No. TD-54 IPR Precision Pentalobe Screwdriver NEW

- The main body is made of stainless steel (the end cap is made of resin).
- For assembly, repair, and disassembly of precision devices, Smartphones, Laptops.



No.TD-54 I Star Cushion (mm) Grip color Inner Ctn. Outer Ctn. EDP No.

1IPR	0.84	20	100	Red	10	100	251378
4IPR	1.29	20	100	Yellow	10	100	251379

Package size···160×35×14mm

No. TD-59 Precision TORX® Screwdriver NEW

- The main body is made of stainless steel (the end cap is made of resin).
- For assembly, repair, and disassembly of precision devices, Smartphones, Laptops.



No.TD-59 I Star Cushion (mm) Grip color Inner Ctn. Outer Ctn. EDP No.

T1	0.84	20	100	Green	10	100	251385
T2	0.94	20	100	Blue	10	100	251386
T3	1.12	20	100	Black	10	100	251387
T4	1.3	20	100	Purple	10	100	251388
T5	1.37	20	100	Yellow	10	100	251390

Package size···160×35×14mm

One point**Speed tightening**

Both cushion grip and knurled section should be used for quick tightening.

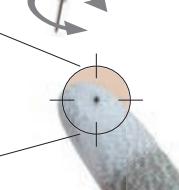
Precision tightening

Press the cushion grip firmly and make a rotation.

Perfect! for such micro screws!!

The cushion grip is adjustable at useful position.

World's smallest screw with M0.5 size
according to Us



No. TD-54 3ULR Precision Micro Stix® Screwdriver NEW

- The main body is made of stainless steel (the end cap is made of resin).
- For assembly, repair, and disassembly of Smartphones, Laptops, Video Games, HDD.



No.TD-54 3ULR		Cushion (mm)	Grip color	Inner Ctn.	Outer Ctn.	EDP No.
M	0.5	20	100	Lemon	10	100
00	0.7	20	100	Yellow	10	100
F	0.9	20	100	Green	10	100
0	1.1	20	100	Blue	10	100
1	1.4	20	100	Black	10	100

Package size...160×35×14mm

No. TD-55/56/56S/56Y Precision Screwdriver Set

- The main body is made of stainless steel (the end cap is made of resin).
- Provided in a portable transparent case.



Model No.	Model Name	Set content	Package size (mm)	Inner Ctn.	EDP No.
TD-55	Precision Screwdriver Set	∅0.9, ∅1.2, ∅1.8, ∅2.3, ∅3.0, ∅3.5	140×86×20	10	251381
TD-56	Precision Screwdriver Set	∅0.9, ∅1.2, ∅1.8, ∅2.3, ∅00, ∅0	140×86×20	10	251382
TD-56S	Precision Screwdriver Set	∅0.7, ∅0.9, ∅0000, ∅000, ∅00, ∅0	140×86×20	10	251389
TD-56Y	Precision Screwdriver Set	∅3ULR-M, F, 0, ∅1PR, ∅T5, ∅00	140×86×20	10	251401

No. TD-57 Precision Nut Driver Set

- The main body is made of stainless steel (the end cap is made of resin).
- Provided in a portable transparent case.



Model No.	Model Name	Set content	Package size (mm)	Inner Ctn.	EDP No.
TD-57	Precision Nut driver Set	2.2, ∅3.0, ∅4.0, ∅4.5, ∅5.0, ∅5.5	140×86×20	10	251383

No. TD-58 Precision Hex. Driver Set

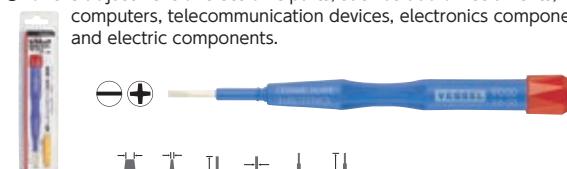
- The main body is made of stainless steel (the end cap is made of resin).
- Provided in a portable transparent case.



Model No.	Model Name	Set content	Package size (mm)	Inner Ctn.	EDP No.
TD-58	Precision Hex. driver Set	∅0.89, ∅1.27, ∅1.5, ∅2.0, ∅2.5, ∅3.0	140×86×20	10	251384

No. 9000 Ceramic Adjuster

- Uses a zirconia ceramics tip, non-inductive magnetic substance.
- Optimum for coil and trimmer adjustments.
- For the adjustment of electronic parts, such as audio instruments, computers, telecommunication devices, electronics components, and electric components.



No.9000	End cap (mm)	Inner color	Outer Ctn.	EDP No.			
∅0.9×30	0.9	0.4	30	1.8	10	125641	
∅1.3×30	1.3	0.4	30	1.8	10	125642	
∅1.8×30	1.8	0.4	30	1.8	10	125643	
∅2.6×30	2.6	0.4	30	2.6	10	125644	
∅3.4×15	3.4	0.5	15	3.4	10	115	125645
∅0 ×30	∅No.0	30	2.6	10	125	Navy blue	125646
∅1.7×30	∅Width1.7	30	2.6	10	125	Lilac	125647

Package size...190×45×14mm

No. CA Replacement Ceramic Blade / Ceramic Blade Adapter

- Blade for automatic adjuster.
- Made of zirconia ceramics, offering high durability.
- For the adjustment of electronic parts, such as audio instruments, computers, telecommunication devices and electronic components.



No.CA-09 (EDP No.125670) (∅0.9)	
No.CA-13 (EDP No.125671) (∅1.3)	
No.CA-18 (EDP No.125672) (∅1.8)	
No.CA-26 (EDP No.125673) (∅2.6)	
No.CA-34 (EDP No.125674) (∅3.4)	
No.CA-10 (EDP No.125675) (∅0)	
No.CA-11 (EDP No.125676) (JCIS + NO.0)	
No.CA-20 (EDP No.125677) (JCIS + NO.0)	

Inner Ctn.:10pcs

No. TD-6800 Series

Ratchet Screwdriver



This functionally enhanced screwdriver enables screw tightening by simple repeated wrist movements.

Improved gear strength combined with our unique ratchet design makes these screwdrivers suitable for the most strenuous tightening jobs.



No. TD-6804MG

Ratchet Screwdriver

Newly developed 72 gear ratchet realizes smooth rotation. You can work by one hand, without grasping over again.



Ratchet series optimal for a confined area						
	Flexible	Plate Ratchet	Screw catcher	Stubby	Driver	Power
At a corner edge	TD-6700FX-4				TD-6700W-23	S-13
In a narrow area	TD-6700FX-4	TD-74/75/76/77/78/79 TD-70/71/72	TD-73MC TX-12MC	TD-6700W-23		
In a deep recessed area	TD-6700FX-4				TD-6800 Series	S-12/13
For force-tightening	TD-74/75/76/77/78/79			TD-6700W-23	TD-6800 Series	TD-80 S-12/13 TD-81R/81G/81B

No. TD-6804MG Ratchet Screwdriver (4-pc bit set)

- Smoothly click feeling realized by rotating angle of 5° and 72 gears. High strength accomplished by 2 nails supporting the ratchet gear. It can be used for final tightening work.
- The handle is made out of oil-resistance cellulose acetate resin.
- Easy to carry around with cassette type bit storage inside the handle.
- Magnetic bits can be replaced with one-touch.
- Bit insertion part \bullet 6.35mm.



Set content		
Body	length 177mm dia. 28.5mm	
Bits	$\oplus 1, \oplus 2, \oplus 3, \ominus 6 \times 25.4mm$	
Package size (mm)	Inner Ctn.	Outer Ctn.
235×80×29	5	30
EDP No.	247022	

No. TD-6808MG Ratchet Screwdriver (8-pc bit set)

- Smoothly click feeling realized by rotating angle of 5° and 72 gears. High strength accomplished by 2 nails supporting the ratchet gear. It can be used for final tightening work.
- The handle is made out of oil-resistance cellulose acetate resin.
- Easy to carry around with cassette type bit storage inside the handle.
- Stores 8 types of bits including HEX bit. Magnetic bits can be replaced with one-touch.
- Bit insertion part \bullet 6.35mm.



Set content		
Body	length 177mm dia. 28.5mm	
Bits	$\oplus 1, \oplus 2, \oplus 3, \ominus 6, H2.5, H3, H4, H5 \times 25.4mm$	
Package size (mm)	Inner Ctn.	Outer Ctn.
235×80×29	5	30
EDP No.	247023	

No. TD-6808TX Ratchet Screwdriver TORX (8-pc bit set)

- Smoothly click feeling realized by rotating angle of 5° and 72 gears. High strength accomplished by 2 nails supporting the ratchet gear. It can be used for final tightening work.
- The handle is made out of oil-resistance cellulose acetate resin.
- Easy to carry around with cassette type bit storage inside the handle.
- Stores 8 types of bits including TORX bit. Magnetic bits can be replaced with one-touch.
- Bit insertion part \bullet 6.35mm.



Set content		
Body	length 177mm dia. 28.5mm	
Bits	$\oplus 2, \oplus 3, T10H, T15H, T20H, T25H, T30H, T40H \times 25.4mm$	
Package size (mm)	Inner Ctn.	Outer Ctn.
235×80×29	5	30
EDP No.	247024	

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No. TD-6816MG Ratchet Screwdriver (16-pc bit set)

- Smoothly click feeling realized by rotating angle of 5° and 72 gears. High strength accomplished by 2 nails supporting the ratchet gear. It can be used for final tightening work.
- The handle is made out of oil-resistance cellulose acetate resin.
- Easy to carry around with cassette type bit storage inside the handle.
- 16 types of bits to adapt to various types of work. Magnetic bits can be replaced with one-touch.
- Bit insertion part \bullet 6.35mm.



Set content		
Body	length 177mm dia. 28.5mm	
Bits	$\oplus 1, \oplus 2, \oplus 3, \ominus 6, H2, H2.5, H3, H4, H5, T10H, T15H, T20H, T25H, T27H, T30H, T40H \times 25.4mm$	
Package size (mm)	Inner Ctn.	Outer Ctn.
235×90×29	5	30
EDP No.	247025	

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No. TD-6700W-23 Ratchet Stubby Screwdriver

- Improves workability in cramped spaces! Stubby type that fits in your hand.
- Smoothly click feeling realized by rotating angle of 5° and 72 gears. High strength accomplished by 2 nails supporting the ratchet gear. It can be used for final tightening work.
- The handle is made out of oil-resistance cellulose acetate resin.
- Ball-lock bits can be replaced with one-touch.
- Bit insertion part \bullet 6.35mm.



Set content		
Body	length 77mm dia. 35mm	
Bits	$\oplus 2 / \oplus 3 \times 35mm$	
Package size (mm)	Inner Ctn.	Outer Ctn.
135×70×40	10	60
EDP No.	247026	

No. TD-6700FX-4 Ratchet Stubby Screwdriver with Flexible Shaft

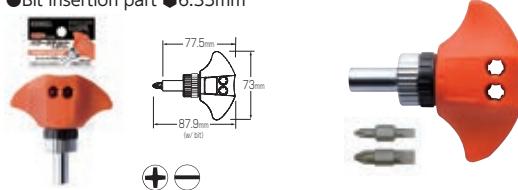
- Improves workability in cramped spaces! Stubby type that fits in your hand.
- Smoothly click feeling realized by rotating angle of 5° and 72 gears. High strength accomplished by 2 nails supporting the ratchet gear. It can be used for final tightening work.
- The handle is made out of oil-resistance cellulose acetate resin.
- Ball-lock bits can be replaced with one-touch.
- Bit insertion part \bullet 6.35mm.



Set content		
Body	length 77mm dia. 35mm	
Bits	$\oplus 1, \oplus 2, \ominus 4, \ominus 6 \times 33mm$	
Flexible Shaft (length 165mm)		
Package size (mm)	Inner Ctn.	Outer Ctn.
235×80×40	5	30
EDP No.	247027	

No. TD-81 Power Ratchet Screwdriver

- Ratchet fine feed enables to fasten with a little wrist movement.
- Ideal ratchet mechanism for sufficient final tightening.
- 2 double-ended bits (different size combination) can be stored within the handle.
- Bit insertion part ● 6.35mm



Model No.	Color	Bits	Package size (mm)	Inner Ctn.	EDP No.
TD-81R	Red	⊕1/⊖4, ⊕2/⊖6×25.4	115×73×34	10	250081

HAND TOOLS

BITS & SOCKETS

ELECTRIC TOOLS

AIR TOOLS

STATIC SOLUTIONS

GASOLINE ENGINE TOOLS

No. 2200 Ball Ratchet Screwdriver

- With 36-teeth gear ratchet to realize comfortable operation with fine tuning.
- Shank cover prevents short circuits. Thin shank is convenient for operating on terminal blocks.



- Shank uses bit materials, fully hardened. Replacement shank is available as option.



No.2200	Outer Ctn. (mm)	Inner Ctn.	Outer Ctn.	EDP No.
⊖ 6x 100	6.0 0.8	100	6.0 41	200 6 60 125395
⊖ 6x 150	6.0 0.8	150	6.0 41	250 6 60 125396
⊕ 2 x 100	⊕No.2	100	6.0 41	200 6 60 125345
⊕ 2 x 150	⊕No.2	150	6.0 41	250 6 60 125346
⊕ 3 x 150	⊕No.3	150	6.0 41	250 6 60 125347

⚠ Electric insulation is not guaranteed. For safety purposes, shut off power before use.

No. 2200B Ball Ratchet Screwdriver Replacement Blade

- Shank uses bit materials, fully hardened.
- Replacement blade; can be replaced by pulling out the ball-grip part of No.2200.



No.2200B	Outer Ctn. (mm)	Inner Ctn.	Outer Ctn.	EDP No.
⊖ 6x 100	6.0 0.8	100	6.0 158	6 60 125397
⊖ 6x 150	6.0 0.8	150	6.0 208	6 60 125398
⊕ 2 x 100	⊕No.2	100	6.0 158	6 60 125348
⊕ 2 x 150	⊕No.2	150	6.0 208	6 60 125349
⊕ 3 x 150	⊕No.3	150	6.0 208	6 60 125350

One point**Shanks are detachable from the ratchet part**

Replacement blade can be replaced with one-touch.



No. TD-74 Flat-shaped Ratchet Screwdriver (straight type)


- 18mm thin head ratchet screwdriver.
- Magnetized bits (Overall length: 18mm) for cramped space included.
- 2pcs of bit can be stored in the handle. With a hole for hanging.
- High-precision ratchet gear mechanism realizes ideal fastening.

CrV Mo Steel
Bit



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

No. TD-75 Flat-shaped Ratchet Screwdriver (straight type)


- 18mm thin head ratchet screwdriver.
- Magnetized bits (Overall length: 18mm) for cramped space included.
- 2pcs of bit can be stored in the handle. With a hole for hanging.
- High-precision ratchet gear mechanism realizes ideal fastening.

CrV Mo Steel
Bit



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

No. TD-76 Flat-shaped Ratchet Screwdriver (straight type)


- 18mm thin head ratchet screwdriver.
- Magnetized bits (Overall length: 18mm) for cramped space included.
- 2pcs of bit can be stored in the handle. With a hole for hanging.
- High-precision ratchet gear mechanism realizes ideal fastening.

CrV Mo Steel
Bit



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

No. TD-BS 18mm replacement bits


No. TD-BS5



No. TD-BS6

CrV Mo Steel
Bit

CrV Mo Steel
Bit

No. TD-77 Flat-shaped Ratchet Screwdriver (bent-up type)


- 18mm thin head ratchet screwdriver.
- Magnetized bits (Overall length: 18mm) for cramped space included.
- 2pcs of bit can be stored in the handle. With a hole for hanging.
- High-precision ratchet gear mechanism realizes ideal fastening.

CrV Mo Steel
Bit



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

No. TD-78 Flat-shaped Ratchet Screwdriver (bent-up type)


- 18mm thin head ratchet screwdriver.
- Magnetized bits (Overall length: 18mm) for cramped space included.
- 2pcs of bit can be stored in the handle. With a hole for hanging.
- High-precision ratchet gear mechanism realizes ideal fastening.

CrV Mo Steel
Bit



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

No. TD-79 Flat-shaped Ratchet Screwdriver (bent-up type)


- 18mm thin head ratchet screwdriver.
- Magnetized bits (Overall length: 18mm) for cramped space included.
- 2pcs of bit can be stored in the handle. With a hole for hanging.
- High-precision ratchet gear mechanism realizes ideal fastening.

CrV Mo Steel
Bit



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

No. TD-70 Flat Plate Ratchet Screwdriver Set

- Thin type useful for assembly or disassembly.
- The speed ring enables you to turn a screw quickly.
- Removing the speed ring turn the product a 6.35mm hex drive.
- Bit insertion part \bullet 6.35mm

CrV Mo Steel Bit



Set content		Package size (mm)	Inner Ctn.	EDP No.
Body	Plate ratchet screwdriver	190×85×27	40	250070
Bits	$\oplus 1, \oplus 2, \oplus 3, \ominus 4, \ominus 6, H2.5, H3, H4, H5, H6\times25.4mm$			
Accessory	Bit belt holder			

No. TD-71 Flat Plate Ratchet Screwdriver

- Thin type useful for assembly or disassembly.
- The speed ring enables you to turn a screw quickly.
- Removing the speed ring turn the product a 6.35mm hex drive.
- Bit insertion part \bullet 6.35mm

CrV Mo Steel Bit



Set content		Package size (mm)	Inner Ctn.	EDP No.
Body	Plate ratchet screwdriver	190×85×27	40	250071
Bit	$\oplus 2\times25.4mm$			

No. TD-72 Flat Plate Ratchet Screwdriver Set

- Thin type useful for assembly or disassembly.
- The speed ring enables you to turn a screw quickly.
- Removing the speed ring turn the product a 6.35mm hex drive.
- Bit insertion part \bullet 6.35mm

CrV Mo Steel Bit

Cr-V Mo Steel Socket



Set content		Package size (mm)	Inner Ctn.	EDP No.
Body	Plate ratchet screwdriver	190×85×27	40	250072
Bit	$\oplus 2\times25.4mm$			
Sockets	A/F 5.5, 7, 8, 10×26mm			
Accessory	Socket holder			

No. TD-73MC Plate Ratchet Screw Catcher

- Magnet catches a screw firmly.
- Also provided with hex screw bits for furniture assembly and for bicycles.
- The speed ring enables you to turn a screw quickly.
- Removing the speed ring turn the product a 6.35mm hex drive.
- Bit insertion part \bullet 6.35mm

CrV Mo Steel Bit
Screw Holder

Set content		Package size (mm)	Inner Ctn.	EDP No.
Body	Plate ratchet screwdriver	190×85×27	40	250073
Bits	$\oplus 1, \oplus 2, \oplus 3, \ominus 4, \ominus 6, H2.5, 3, 4, 5, 6\times25.4mm$			
Accessory	Magnetic Screw Holder Bit belt holder			

No. TX-12MC Plate Ratchet/Magnetic Screw Catcher(TORX)

- Magnet catches a screw firmly.
- Also provided with Torx bits popular in the maintenance.
- Also used for tamper-proof torx screws.
- The speed ring enables you to turn a screw quickly.
- Removing the speed ring turn the product a 6.35mm hex drive.
- Bit insertion part \bullet 6.35mm

CrV Mo Steel Bit
Screw Holder

Set content		Package size (mm)	Inner Ctn.	EDP No.
Body	Plate ratchet screwdriver	190×85×27	10	252022
Bits	T8H, T10H, T15H, T20H, T25H, T27H, T30H, T40H, $\oplus 2, \ominus 6\times25.4mm$			
Accessory	Magnetic Screw Holder Bit belt holder			

→See P48 One point

No. TX-11 Plate Ratchet TORX Set

- Storage holder included. For working with tamper-proof screws.
- The speed ring enables you to turn a screw quickly.
- Ball ratchet handle for working in cramped places.
- Can be used with 6.35 mm across flats short bits and 6.35 mm square hole sockets.

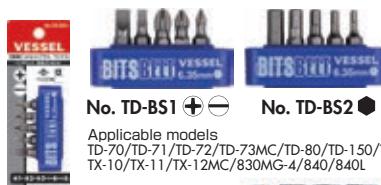
CrV Mo Steel Bit



Set content		Package size (mm)	Inner Ctn.	EDP No.
Body	Plate ratchet screwdriver	190×85×27	10	252021
Bits	T8H, T10H, T15H, T20H, T25H, T27H, T30H, T40H, $\oplus 2, \ominus 6\times25.4mm$			
Accessory	Magnetic Screw Holder Bit belt holder			

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No. TD-BS Replacement Bit Set



No. TD-BS1

No. TD-BS2

No. TD-BS3

No. TD-BS4

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

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No. TD-61 "PETADORA" L-shaped Offset Screwdriver

●Special plating to keep precision at the tip.
●L-shaped type good for working in cramped spaces.



No.TD-61		Cushion Grip color	Inner Ctr.	Outer Ctr.	(mm)	EDP No.
⊖ 6	6	0.9	18	6	117	Blue 10 100 250105
⊕ 1	⊕No.1	16.5	5	105		Green 10 100 250101
⊕ 2	⊕No.2	18	6	117		Red 10 100 250102

Package size···160×35×14mm

No. TD-63 "PETADORA" L-shaped Offset Screwdriver

●Special plating to keep precision at the tip.
●L-shaped type good for working in cramped spaces.



No.TD-63		Cushion Grip color	Inner Ctr.	Outer Ctr.	(mm)	EDP No.
H 2.5	2.5	16.5	5	105		Orange 10 100 250112
H 3	3	16.5	5	105		Purple 10 100 250113
H 4	4	16.5	5	105		Black 10 100 250114
H 5	5	18	6	117		Blue 10 100 250115

Package size···160×35×14mm

No. TD-64 "PETADORA" Z-shaped Offset Screwdriver

●S-shaped type good for strong tightening in cramped spaces.
●Special plating to keep precision at the tip.

No.TD-64	⊖ 6	⊕ 1	⊕ 2	⊕ 2	Inner Ctr.	Outer Ctr.	EDP No.
⊕2/⊖6	6	0.9	/	⊕No.2	18	6	129 10 100 250122
⊕1/⊕2	⊕No.1	16.5	/	⊕No.2	16.5	5	126 10 100 250121

Package size···160×35×12mm

No. 25 Offset Screwdriver

●S-shaped type good for strong tightening in cramped spaces.
●Different size tips combined.
Can be chosen according to applications.

No.25	⊖	⊕	⊕	Inner Ctr.	EDP No.
⊕1/⊖5	25	5	125	12	143005
⊕2/⊖6	26	6	125	12	143006
⊕3/⊖8	33	8	150	12	143007

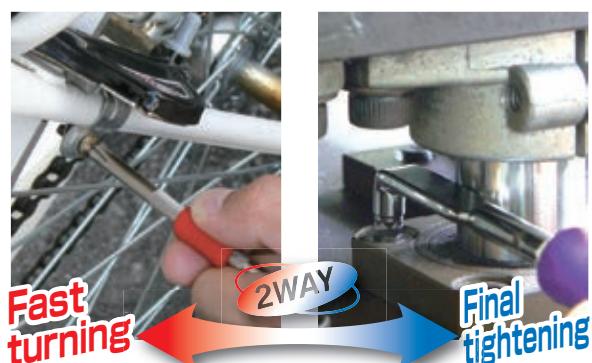
Package size···160×35×12mm

No. 251526 2-Piece Offset Screwdriver Set

Model No.	Set content	Package size (mm)	Inner Ctr.	EDP No.
251526	No.25 ⊕6/⊕2, ⊕5/⊕1	210×70×10	20	243011

One point

Speedy fast-turning,
firm tightening

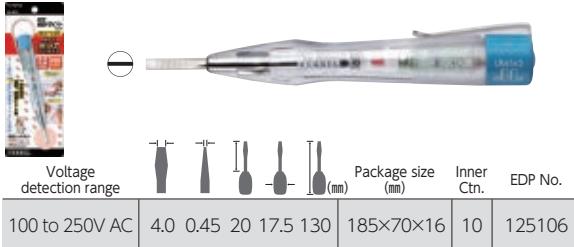


This one product can be used
from fast-turning to tightening!

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

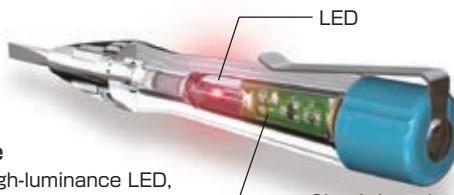
No. 83L LED Voltage Detection Screwdriver

- For conduction/ continuity test in general household.
- Long-life LED lights brightly. Batteries can be replaced.
- Handy pencil-type screwdriver.

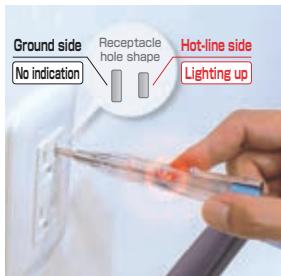


Voltage detection range	4.0	0.45	20	17.5	130	Package size (mm)	Inner Ctn.	EDP No.
100 to 250V AC	4.0	0.45	20	17.5	130	185×70×16	10	125106

One point

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.

No. TD-1300L**6-Piece Voltage Detection Screwdriver Set**

- Neon tube integrated into the grip end. When contacting the current-carrying point, the neon tube lights and continuity test can be conducted.

Cr-V steel

- 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)

**No.TD-1300L**

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

*Package size...185×105×31mm

No. TD-1300B**5-Piece Voltage Detection Screwdriver Set**

- Neon tube integrated into the grip end. When contacting the current-carrying point, the neon tube lights and continuity test can be conducted.

Cr-V steel

Except Socket

- 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.
- Handy vinyl carrying and storage pouch
- Low voltage type (100 to 250V AC)

**No.TD-1300B**

Voltage detection range	Reversible blade content (mm)	Inner Ctn.	EDP No.
100 to 250V AC	⊖4×125 ⊕1×125 A/F5 ×125 ⊕2×125 A/F5.5×125	125	10
	Handle length 126.4mm dia. 26.5mm	125	247031

*Package size...185×105×31mm

No. 240001 Impact Driver

- 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 \bullet 8mm

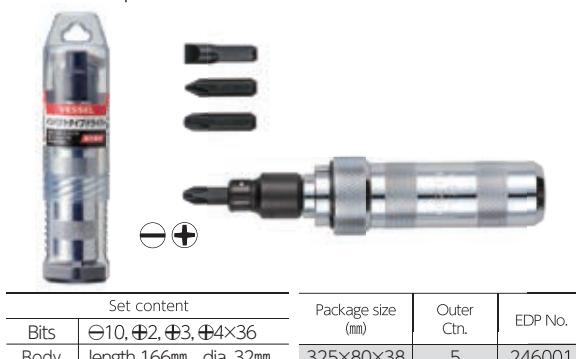


Set content

Bits	$\oplus 2 \times 36$, $\oplus 2 \times 80$, $\oplus 3 \times 36$, $\oplus 3 \times 80$, $\oplus 4 \times 36$, $\ominus 10 \times 36$	Package size (mm)	Outer Ctn.	EDP No.
Body	length 176mm dia. 37.5mm	220×73×80	5	246051

No. 250001 Impact Driver

- 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 \bullet 8mm



Set content

Bits	$\ominus 10$, $\oplus 2$, $\oplus 3$, $\oplus 4 \times 36$	Package size (mm)	Outer Ctn.	EDP No.
Body	length 166mm dia. 32mm	325×80×38	5	246001

No. 260002 Impact Uni Driver

- Thin handle. Can be used as normal screwdriver.
- Long shank bit. Ideal for hard-to-reach cramped spaces.
- Bit insertion part \bullet 6.35mm



Set content

Bits	$\ominus 5$, $\oplus 6$, $\ominus 7$, $\oplus 1$, $\oplus 2$, $\oplus 3 \times 125$	Package size (mm)	Outer Ctn.	EDP No.
Body	length 132.5mm dia. 26mm	225×110×33	5	246016

No. C50 Impact Driver Bit

Model No.	Set content	Applicable models	Package size (mm)	Inner Ctn.	EDP No.
C502125	$\oplus 2 \times 125$	260002	170×42	10	486212
C503125	$\oplus 3 \times 125$	260002	170×42	10	486213
C506125	$\ominus 6 \times 125$	260002	170×42	10	486216

»For 10-Piece Set, please refer to page 83.

Mounting quantity: 1

No. C51 Impact Driver Bit

Model No.	Set content	Applicable models	Package size (mm)	Inner Ctn.	EDP No.
C512036	$\oplus 2 \times 36$	250001, 240001	170×42	10	486201
C513036	$\oplus 3 \times 36$	250001, 240001	170×42	10	486202
C518036	$\ominus 8 \times 36$	250001, 240001	170×42	10	486203

»For 10-Piece Set, please refer to page 83.

Mounting quantity: 1

One point

Removal of a rusted or stuck screw

Hitting the handle with a hammer causes the impact to be converted into rotational force.



The tip turns counterclockwise at the instant when the handle is hit with a hammer.

Loosened by impact acceleration



No. 8209BP

"BALL POINT" L-wrenches

HAND TOOLS

BITS & SOCKETS

ELECTRIC TOOLS

AIR TOOLS

STATIC SOLUTIONS

GASOLINE ENGINE TOOLS



Inclining the wrench moves the driving points toward the entry of the hexagon screw head recess. Even if the neck place of the ball point is thick, the wrench can be inclined up to 38°, the maximum tilting angle.

Magnetized tip can retain a hexagon screw head bolt.

Constricted neck design with hexagonal shape enables to retain a hexagon screw head bolt firmly. Easy to replace bolts located in a deep place.

Resistant to twist and breaking Extra Superalloy

Made in Japan

(except 8300HX-S)

With our new L-Wrench technology and design you will be able to perform the final tightening of your work even with the ball point shape.



No. 8209BP
"BALL POINT"
Wrench
Stubby 9-PC Set

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

One point TORX Wrench Series

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.



TORX® Tip-end processing based on TORX standards. Corresponds to various screws.

No. 8200BP-S Ball Point Wrench Stubby (Short Type) NEW


- New ball shape with the maximum tilted angle of 38° (design value in our company).
- Stubby ideal for cramped spaces.
- L-shape angle 95° for easy handling.

The arm length is half of the standard arm size.



No.8200BP-S

			Package Size (mm)	Inner Ctn.	EDP No.
1.5	4	52	160×45×5	10	143887
2	5	58	160×45×5	10	143888
2.5	6	60	160×45×5	10	143889
3	8	65	160×45×5	10	143890
4	9	72	200×60×8	10	143891
5	11	80	200×60×8	10	143892
6	13	90	200×60×8	10	143893
8	16	100	235×75×14	5	143894
10	19	112	235×75×14	5	143895


No. 8209BP-S Ball Point Wrench Stubby (Short Type) 9PC Set NEW

- New ball shape with the maximum tilted angle of 38° (design value in our company).
- Stubby ideal for cramped spaces.
- L-shape angle 95° for easy handling.

The arm length is half of the standard arm size.


No. 8209BP-S Ball Point Wrench Stubby (Short Type) 9PC Set NEW

- Provided with a convenient portable holder.
- This is openable facilitating to pick a necessary size.

This is openable facilitating to pick a necessary size.


No. 8200BP Ball Point Wrench Stubby NEW


- New ball shape with the maximum tilted angle of 38° (design value in our company).
- Stubby ideal for cramped spaces.
- L-shape angle 95° for easy handling.

The arm length is half of the standard arm size.



No.8200BP

			Package Size (mm)	Inner Ctn.	EDP No.
1.5	4	79	160×45×5	10	143897
2	5	86	160×45×5	10	143898
2.5	6	94	200×60×8	10	143899
3	8	101	200×60×8	10	143900
4	9	110	200×60×8	10	143901
5	11	120	200×60×8	10	143902
6	13	133	200×60×8	10	143903
8	16	154	235×75×14	5	143904
10	19	172	235×75×14	5	143905


No. 8200BP-L Ball Point Wrench Stubby (Long Type) NEW


- New ball shape with the maximum tilted angle of 38° (design value in our company).
- Stubby ideal for cramped spaces.
- L-shape angle 95° for easy handling.

The arm length is half of the standard arm size.



No.8200BP-L

			Package Size (mm)	Inner Ctn.	EDP No.
1.5	4	79	160×45×5	10	143907
2	5	95	200×60×8	10	143908
2.5	6	110	200×60×8	10	143909
3	8	126	200×60×8	10	143910
4	9	142	200×60×8	10	143911
5	11	160	235×75×14	5	143912
6	13	180	235×75×14	5	143913
8	16	200	280×65×14	5	143914
10	19	224	350×75×14	5	143915


No. 8209BP-L Ball Point Wrench Stubby (Long Type) 9PC Set NEW

- Provided with a convenient portable holder.
- This is openable facilitating to pick a necessary size.


No. 8209BP-L

			Set content	Package size (mm)	Inner Ctn.	EDP No.
8209BP-L	H 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm			245×105×27	5	143906
Accessory	Holder					

No. 8300BP Ball Point Wrench NEW

- New ball shape with the maximum tilted angle of 38° (design value in our company).



No.8300BP

**No. 8309BP Ball Point Wrench 9PC Set NEW**

- New ball shape with the maximum tilted angle of 38° (design value in our company).

- Provided with a convenient portable holder.

This is openable facilitating to pick a necessary size.



No.8309BP

	Set content	Package size (mm)	Inner Ctn.	EDP No.
8309BP	H 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm			
Accessory	Holder	245×105×27	5	143926

No. 8300BP-L Ball Point Wrench (Long Type) NEW

- New ball shape with the maximum tilted angle of 38° (design value in our company).

- Ball point can reach deep spaces.

Also, it is possible to apply force on the arm end.



No.8300BP-L

**No. 8309BP-L Ball Point Wrench (Long Type) 9PC Set NEW**

- New ball shape with the maximum tilted angle of 38° (design value in our company).

- Ball point can reach deep spaces.

Also, it is possible to apply force on the arm end.

- Provided with a convenient portable holder.

This is openable facilitating to pick a necessary size.



No.8309BP-L

	Set content	Package size (mm)	Inner Ctn.	EDP No.
8309BP-L	H 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm			
Accessory	Holder	295×105×27	10	143940

No. 8300BP-XL Ball Point Wrench (Extra Long Type) NEW

- New ball shape with the maximum tilted angle of 38° (design value in our company).

- Ball point can reach deep spaces.

Also, it is possible to apply force on the arm end.



No.8300BP-XL

**No. 8309BP-XL Ball Point Wrench (Extra Long Type) 9PC Set NEW**

- New ball shape with the maximum tilted angle of 38° (design value in our company).

- Ball point can reach deep spaces.

Also, it is possible to apply force on the arm end.

- Provided with a convenient portable holder.

This is openable facilitating to pick a necessary size.



No.8309BP-XL

	Set content	Package size (mm)	Inner Ctn.	EDP No.
8309BP-XL	H 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm			
Accessory	Holder	350×105×27	10	143960

No. 8300BP-LIN Ball Point Wrench (Long Type) (Inch) NEW

- New ball shape with the maximum tilted angle of 38° (design value in our company).
- Ball point can reach deep spaces.
- Also, it is possible to apply force on the arm end.

**No.8300BP-LIN**

		Package Size (mm)	Inner Ctn.	EDP No.
1/16	15	79	10	143941
5/64	17	93	10	143942
3/32	18	108	10	143943
1/8	20	127	10	143944
5/32	25	140	10	143945
3/16	28	158	5	143946
1/4	32	178	5	143947
5/16	36	198	5	143948
3/8	40	222	5	143949

No. 8500BTX Ball End TORX Wrench NEW

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

**No.8500BTX**

		Package Size (mm)	Inner Ctn.	EDP No.
T8	16	80	10	143961
T9	16	80	10	143962
T10	17	90	10	143963
T15	18	100	10	143964
T20	19	112	10	143965
T25	20	126	10	143966
T27	25	140	10	143967
T30	28	160	5	143968
T40	32	180	5	143969

No. 8500TXH Tamper-proof TORX Wrench NEW

- Can be used with tamper-proof screws. Automotive, Motorcycle, Telecommunication devices, PC, etc.

**No.8500TXH**

		Package Size (mm)	Inner Ctn.	EDP No.
T8H	16	80	10	143971
T9H	16	80	10	143972
T10H	17	90	10	143973
T15H	18	100	10	143974
T20H	19	112	10	143975
T25H	20	126	10	143976
T27H	25	140	10	143977
T30H	28	160	5	143978
T40H	32	180	5	143979

No. 8309BP-LIN Ball Point Wrench (Long Type) (Inch) 9PC Set NEW

- New ball shape with the maximum tilted angle of 38° (design value in our company).
- Ball point can reach deep spaces.
- Also, it is possible to apply force on the arm end.
- Provided with a convenient portable holder.
- This is openable facilitating to pick a necessary size.

**No.8309BP-LIN**

	Set content	Package size (mm)	Inner Ctn.	EDP No.
8309BP-LIN	A/F 1/16, 5/64, 3/32, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8 inch	295×105×20	10	143950
Accessory	Holder			

No. 8509BTX Ball End TORX Wrench 9PC Set NEW

- Can tighten screws quickly at a tilted angle. Ideal for a work in a cramped space such as automotive maintenance.
- Provided with a convenient portable holder.
- This is openable facilitating to pick a necessary size.

**No.8509BTX**

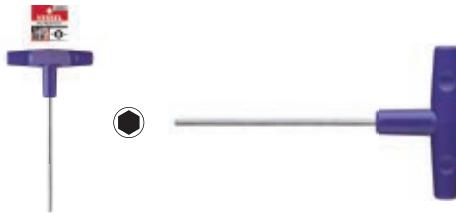
	Set content	Package size (mm)	Inner Ctn.	EDP No.
8509BTX	Size T8, T9, T10, T15, T20, T25, T27, T30, T40 mm	245×105×27	5	143970
Accessory	Holder			

No. 8509TXH Tamper-proof TORX Wrench 9PC Set NEW

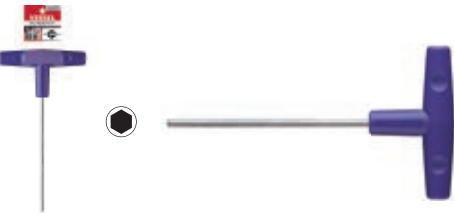
- Can be used with tamper-proof screws. Automotive, Motorcycle, Telecommunication devices, PC, etc.
- Provided with a convenient portable holder.
- This is openable facilitating to pick a necessary size.

**No.8509TXH**

	Set content	Package size (mm)	Inner Ctn.	EDP No.
8509TXH	Size T8H, T9H, T10H, T15H, T20H, T25H, T27H, T30H, T40H mm	245×105×27	5	143980
Accessory	Holder			

No. TW-H T-Handle Screwdriver NEW**No.TW-H**

				Inner Ctn. (mm)	EDP No.
3	125	70	163	6	144361
4	140	70	178	6	144362
5	150	80	200	6	144363
6	155	120	223	-	144364
8	175	160	251	-	144365
10	200	160	276	-	144366

No. TW-HIN T-Handle Screwdriver (Inch) NEW**No.TW-HIN**

				Inner Ctn. (mm)	EDP No.
1/8	125	70	163	6	144367
5/32	140	70	178	6	144368
3/16	150	80	200	6	144369
1/4	155	120	223	-	144370
5/16	175	160	251	-	144371
3/8	200	160	276	-	144372

No. FW-H Flag Handle Screwdriver NEW**No.TW-H**

				Inner Ctn. (mm)	EDP No.
1.5	40	20	74	10	144373
2	40	20	74	10	144374
2.5	40	20	74	10	144375

No. FW-HIN Flag Handle Screwdriver (Inch) NEW**No.FW-HIN**

				Inner Ctn. (mm)	EDP No.
1/16	40	20	74	10	144376
5/64	40	20	74	10	144377
3/32	40	20	74	10	144378

No. 8300HX-S Hex Wrench (Short Type) NEW**No.8300HX-S**

				Inner Ctn. (mm)	EDP No.
1.5	12.5	52.5	10	144060	
2	12	58	10	144061	
2.5	15	60	10	144062	
3	20	65	10	144063	
4	25	72	10	144064	
5	28	80	10	144065	
6	32	90	10	144066	
8	36	100	5	144067	
10	40	112	5	144068	

No. 8900BP "RAINBALL" L-wrenches

PAT.

- Easy to find in a toolbox. Color-coded by size. Coating is peel-proofed by manganese phosphate under coating.
- New ball shape. Set the driving part so that it contacts near the entry point of the hexagonal hole, 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.
- High precision black point tip, unaffected by metal plating.
- Cross-section is "Ultra-Hex", which has the 3-point and 3-surface contact geometry to reduce deforming of screw holes.



No.8900BP	I	---	---	Package size (mm)	Inner Ctn.	EDP No.
H 1.5	1.5	13.5	67.5	160×45×5	10	144341
H 2	2	15.5	72	160×45×5	10	144342
H 2.5	2.5	17.5	81	160×45×5	10	144343
H 3	3	19	90.5	160×45×5	10	144344
H 4	4	24	98.5	200×60×8	10	144345
H 5	5	27	118.5	200×60×8	10	144346
H 6	6	31	138	200×60×8	10	144347
H 8	8	35	158	235×75×14	5	144348
H 10	10	39	178.5	235×75×14	5	144349

*Colors inside the table cells indicate the body color.

No. 8906BP "RAINBALL" L-wrenches 6PC Set

PAT.

- Easy to find in a toolbox. Color-coded by size.
- 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.
- Provided with a convenient portable holder.

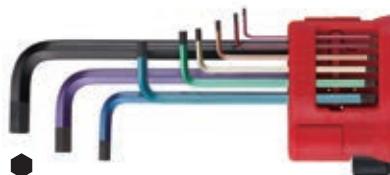


Set content	Package size (mm)	Inner Ctn.	EDP No.
8900BP H 1.5, 2, 2.5, 3, 4, 5 mm	200×80×13	5	144352
Accessory Holder			

No. 8909BP "RAINBALL" L-wrenches 9PC Set

PAT.

- Provided with a holder that opens like a fan and utilized as a stand, together with a magnetizer.
- Can be fixed onto level metal parts of machine tools, automated machinery, surface plates, etc. by the magnetic force of the magnetizer mounted to the lower part of the holder.
- The magnetizer can be taken out from the holder and used to magnetize and demagnetize a wrench.



Set content	Package size (mm)	Inner Ctn.	EDP No.
8900BP H 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm	245×105×27	5	144351
Accessory Magnetizer/Holder			

No. 8409BP "ULTRABALL" L-wrenches 9PC Set

PAT.

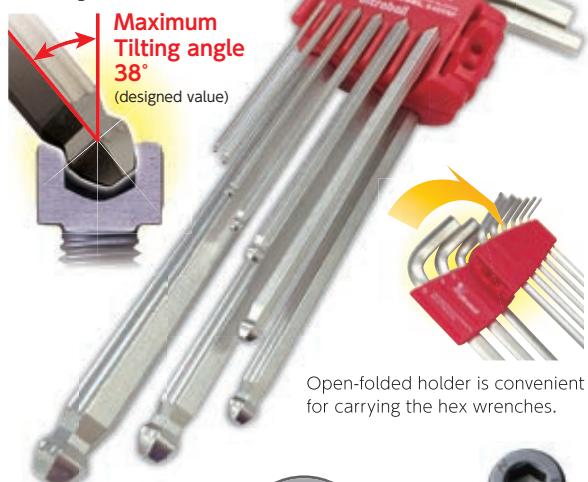
- New ball shape with the maximum tilted angle of 38° (design value in our company).
- The cross-sectional area of the neck of the ball is enlarged to improve the strength.



Set content	Package size (mm)	Inner Ctn.	EDP No.
8400BP H 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm	245×105×27	5	144353
Accessory Holder			

One point**No. 8409BP****Ultra Ball**

Unique ball configuration allowing the tip to incline 38° maximum facilitates tightening or loosening of screws!

**Ultra Hex**

Highly durable but no damage on screw surface!
3-point and 3-face contact hexagonal shape maximizes fastening effectiveness.



Surface Contact
Not damaged
Damaged

No. 8500TX TORX Key Wrench

- Special plating to keep precision at the tip.
- Knurled shank for fast turning.
- Precision tips based on TORX spec.

Cr-V
steel

No.8500TX	I*	1	2	3	4	Package size (mm)	Inner Ctn.	EDP No.
T6	1.68	2.5	15	52	110×45×5	10	144301	
T7	1.97	2.5	15	56	110×45×5	10	144302	
T8	2.3	3	17	59	110×45×5	10	144303	
T9	2.48	3	17	63	110×45×5	10	144304	
T10	2.72	3	17	67	110×45×5	10	144305	
T15	3.26	3.5	19	72	110×45×5	10	144306	
T20	3.84	4	21	77	110×45×5	10	144307	
T25	4.4	5	23	83	145×55×8	10	144308	
T27	4.96	5	23	90	145×55×8	10	144309	
T30	5.49	6	25	98	145×55×8	10	144310	
T40	6.6	7	27	107	145×55×8	10	144311	

No. 8507TX TORX 7-Piece Key Set

- Special plating to keep precision at the tip.
- Knurled shank for fast turning.
- Precision tips based on TORX spec.

Cr-V
steel

Set content		Package size (mm)	Inner Ctn.	EDP No.
8500TX	T10, T15, T20, T25, T27, T30, T40			
Accessory	Vinyl package		135×65×17	10 144315

No. 5400TX Power Grip TORX Screwdriver

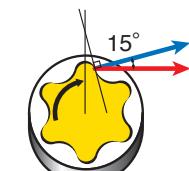
- Champagne gold plating keeping the precise tip quality.
- Cellulose acetate resin grip. Ergonomic design.
- For working with tamper-proof screws (T5 and T6 excluded).

Cr-V
steel

No.5400TX	I*	1	2	3	4	5	Outer Ctn. (mm)	Inner Ctn.	EDP No.
T 5 × 80	1.42	80	2.5	17.0	155	12	60	122854	
T 6 × 80	1.69	80	2.5	17.0	155	12	60	122855	
T 7HX 80	1.97	80	2.5	17.0	155	12	60	122856	
T 8HX 80	2.3	80	3.0	17.0	155	12	60	122857	
T 9HX 80	2.48	80	3.0	17.0	155	12	60	122858	
T10HX 80	2.72	80	3.0	17.0	155	12	60	122859	
T15HX 80	3.26	80	3.5	28.0	177	6	60	122860	
T20HX 120	3.84	120	4.0	28.0	217	6	60	122861	
T25HX 120	4.4	120	5.0	31.8	224	6	60	122862	
T27HX 120	4.96	120	5.0	31.8	224	6	60	122863	
T30HX 120	5.49	120	6.0	35.6	235	6	60	122864	
T40HX 120	6.6	120	7.0	35.6	235	6	60	122865	

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One point**Features of TORX tool**
TORX®

Hex

Hex

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

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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No. TX-12MC Plate Ratchet/Magnetic Screw Catcher(TORX)

- Magnet catches a screw firmly.
- Also provided with Torx bits popular in the maintenance. Also used for tamper-proof torx screws.
- The speed ring enables you to turn a screw quickly. Removing the speed ring turn the product a 6.35mm hex drive.
- Bit insertion part 6.35mm



Set content			Package size (mm)	Inner Ctn.	EDP No.
Body	Plate ratchet screwdriver				
Bits	T8H, T10H, T15H, T20H, T25H, T27H, T30H, T40H, \oplus 2, \ominus 6x25.4mm		190x85x27	10	252022
Accessory	Magnetic Screw Holder Bit belt holder				

Screw Holder Bit

Set content			Package size (mm)	Inner Ctn.	EDP No.
Body	Plate ratchet screwdriver				
Bits	T8H, T10H, T15H, T20H, T25H, T27H, T30H, T40H, \oplus 2, \ominus 6x25.4mm		190x85x27	10	252022
Accessory	Magnetic Screw Holder Bit belt holder				

No. TX-11 Plate Ratchet TORX Set

- Storage holder included. For working with tamper-proof screws.
- The speed ring enables you to turn a screw quickly.
- Thin ratchet handle for working in cramped places. Ball locking system.
- Can be used with 6.35 mm across flats short bits and 6.35 mm square hole sockets.



Set content			Package size (mm)	Inner Ctn.	EDP No.
Body	Plate ratchet screwdriver				
Bits	T8H, T10H, T15H, T20H, T25H, T27H, T30H, T40H, \oplus 2, \ominus 6x25.4mm		190x85x27	10	252021
Accessory	Magnetic Screw Holder Bit belt holder				

Bit

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No. B-340TX**Wood-Compo TORX Screwdriver**

PAT.

- Extraordinary non-slip grip: Secures working efficiency even with oily hands. Wood-composite resin, reproducing the natural material texture.
- Non-electrolytic plating, keeping the precise tip quality.
- Also good for tamper-proof TORX screws.



No.B-340TX	Inner (mm)	Outer Ctn.	EDP No.
T10Hx 80	2.72	80	5.5 120 120081
T15Hx 80	3.26	80	5.5 120 120082
T20Hx120	3.84	120	5.5 30 120083
T25Hx120	4.40	120	6.4 32 236 6 60 120084
T27Hx120	4.96	120	6.4 32 236 6 60 120085
T30Hx120	5.49	120	8.0 35 246 6 60 120086
T40Hx120	6.60	120	8.0 35 246 6 60 120087

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No. B-640TX Cushion Grip TORX Screwdriver

steel

- Optimal for fastening screws in precision fields.
- Non-electrolytic plating, keeping the precise tip quality.
- Cushion grip fitting comfortably in a hand.
- Also good for tamper-proof TORX screws (except T5 and T6).



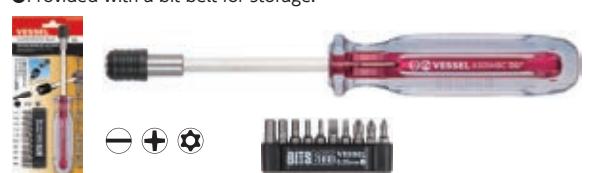
No.B-640TX	Inner (mm)	Outer Ctn.	EDP No.
T5	1.42	40	4.0 20.5 126 6 60 123561
T6	1.69	40	4.0 20.5 126 6 60 123562
T7H	1.97	40	4.0 20.5 126 6 60 123563
T8H	2.30	40	4.0 20.5 126 6 60 123564
T9H	2.48	40	4.0 20.5 126 6 60 123565

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No. TD-6310TX TORX Screwdriver Set

steel

- Bit insertion part 6.35mm. Magnetized.
- Holds securely short bits. Reliable fastening as the bit does not drop easily.
- Grip made of environmental-friendly plant material.
- Provided with a bit belt for storage.



Set content			Package size (mm)	Outer Ctn.	EDP No.
Body	length 213mm dia. 28.5mm				
Bits	\ominus 6, \oplus 2, T8H, T10H, T15H, T20H, T25H, T27H, T30H, T40H \times 25.4mm		235x100x29	10	247028

Accessories Bit belt holder

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No. 990TX G-grip TORX Screwdriver PAT.

- The weight of the steel ball keeps the end cap in an optimum position for a grip.
- A special precision spring is welded to the tip by laser, enabling the screwdriver to catch a TORX screw firmly by spring action.



No. 990TX	I*		II		III		Inner Ctn.	Outer Ctn.	EDP No.
	(mm)	Ctn.	A	B					
T3 × 40	1.13	40	2.5	16	21	138	12	240	125921
T5 × 40	1.42	40	2.5	16	21	138	12	240	125923
.Magic Spring T6 × 40	1.69	40	2.5	16	21	138	12	240	125924
.Magic Spring T8 × 40	2.3	40	2.5	16	21	138	12	240	125926
.Magic Spring T9 × 40	2.48	40	4.0	16	21	138	12	240	125927
.Magic Spring T10× 80	2.72	80	4.0	30	38	195	6	60	125928
.Magic Spring T15× 80	3.26	80	5.5	30	38	195	6	60	125929
.Magic Spring T20× 80	3.84	80	5.5	30	38	195	6	60	125930

No. TD-6816MG Ratchet Screwdriver (16-pc bit set)

- Smoothly click feeling realized by rotating angle of 5° and 72 gears. High strength accomplished by 2 nails supporting the ratchet gear. It can be used for final tightening work.
- The handle is made out of oil-resistance cellulose acetate resin.
- Easy to carry around with cassette type bit storage inside the handle.
- 16 types of bits to adapt to various types of work. Magnetic bits can be replaced with one-touch.
- Bit insertion part Ø6.35mm.



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		
Package size (mm)	Inner Ctn.	Outer Ctn.	EDP No.
235×90×29	5	30	247025

No. TD-6808TX**Ratchet Screwdriver TORX (8-pc bit set)**

- Smoothly click feeling realized by rotating angle of 5° and 72 gears. High strength accomplished by 2 nails supporting the ratchet gear. It can be used for final tightening work.
- The handle is made out of oil-resistance cellulose acetate resin.
- Easy to carry around with cassette type bit storage inside the handle.
- Stores 8 types of bits including TORX bit. Magnetic bits can be replaced with one-touch.
- Bit insertion part Ø6.35mm.



Set content			
Body	length 177mm dia. 28.5mm		
Bits	⊕2, ⊕3, T10H, T15H, T20H, T25H, T30H, T40H × 25.4mm		
Package size (mm)	Inner Ctn.	Outer Ctn.	EDP No.
235×80×29	5	30	247024

No. TD-BS3 Replacement Bit Set

Applicable models
TD-70/TD-71/TD-72/TD-73MC/TD-80/TD-150/TD-160/S-12/S-13
TX-10/TX-11/TX-12MC/830MG-4/840/840L

Model No.	Set content	Package size (mm)	Inner Ctn.	EDP No.
TD-BS3	T10H, T15H, T20H, T25H, T30H × 25.4mm Bit belt holder	120×45×23	10	251302

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TORX is also available for bits.

Industrial Bits Type A

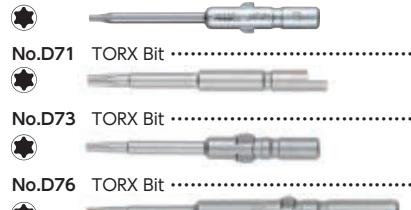
No.V TORX Bit	P66
No.V TORX Bit (Tamper-Proof)	P67

**Industrial Bits Type B**

No.N TORX Bit	P71, P84
No.N TORX Bit (Tamper-Proof)	P71, P84

**Precision Bits**

No.DS73 Shockless Bit	P81
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**Short Bits**

No.A4 TORX Bit	P90
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**Construction Bits**

No.SMVT TORX Bit (Tamper-Proof)	P108
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**"PROKON" series**

No.SS16T Recessed "SAKISUBO" TORX Bit	P124
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No. 3200VA-1

VA cable stripper



The 3200VA-1 is a solution for stripping strenuous cables such as VA cables which becomes soft and elongates during the summer or as eco-friendly PE cables, which hardness during winter months.

No. 3200VA-1 VA cable stripper

PAT.

- Even for eco-friendly PE cables, clear stripping can be perfectly achieved with light force.
- Corresponds to various sheath hardness according to cable manufacturers. Can adjust cutting depth in 5 steps.
- Precision blades by the metal injection offer excellent cutting quality.
- Designed to hold wire sheath so that the core conductor is always located at the center, preventing the blades from cutting into the conductor.



← See P51

Model No.	Overall length (mm)	Weight (g)	Wire size	Outer Ctn.	EDP No.
3200VA-1	180	370	PVC cables(VVF/ VA cables) PE cables(EM-EEF/ Eco cables) Φ1.6mm duplex/Φ2.0mm duplex Φ1.6mm triplex/Φ2.0mm triplex	5	141016

Package size···250×115×63mm

**No. WB-013 For 3200VA-1 Replacement Blade**

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

No. 3700KS/KM Cable Stripper

- Easy to strip the wire sheath simply by turning the stripper around the cable.
- Easy-handling non-slip pad on retaining hardware.
- Enables to adjust the cutting depth with a dial on the bottom.
- Light-weight and compact portable model.



3700KS

Model No.	Overall length (mm)	Weight (g)	Strip Capacity	Inner Ctn.	EDP No.
3700KS	130	78	Sheath Φ4~16mm	10	014641
3700KM	130	78	Sheath Φ8~28mm	10	014658

Contents: Replacement blade 1 piece (stored inside) Package size···185×75×32mm

One point

Easy to strip the wire sheath simply by turning the stripper around the cable.

**No. 3000 Wire Stripper**

- Nimbly and cleanly strips off sheathing in a single operation.
- Can be used with wiring for TV, radio, home appliances, electrical work, automotive circuits, telephones, etc.
- With a strip gauge.



Model No.	Overall length (mm)	Weight (g)	Wire diameter and nominal sectional area	Handle color	Outer Ctn.	EDP No.
3000A	170	350	For solid wire 0.5/1.2/1.6/2.0mm	Green	20	141001
3000B	170	350	For solid wire 1.0/1.6/2.0/2.6/3.2mm	Red	20	141002
3000C	170	350	For stranded wire 0.9/1.25/2.0/3.5/5.5mm	Black	20	141000

Package size···220×75×13mm

Wire Stripper Cardbord product

Model No.	Wire diameter and nominal sectional area	Package size (mm)	Outer Ctn.	EDP No.
300001	For solid wire 0.5/1.2/1.6/2.0mm	250×110×38	5	241001
300002	For solid wire 1.0/1.6/2.0/2.6/3.2mm	250×110×38	5	241002
300005	For stranded wire 0.9/1.25/2.0/3.5/5.5mm	250×110×38	5	241005

Wire Stripper Blade

Model No.	Applicable wire stripper	Wire diameter and nominal sectional area	Package size (mm)	Inner Ctn.	EDP No.
WB-001	3000A, 300001	For solid wire	95×30×15	5	141071
WB-002	3000B, 300002	For solid wire	95×30×15	5	141072
WB-003	3000C, 300005	For stranded wire	95×30×15	5	141073

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 1.6mm²×2/3/duplex/triplex
For solid wire 2.0mm²×2/3/duplex/triplex

3000

For stripping of various wires and cords including IV and VSF
Solid wires: 0.5mm to 3.2mm
Stranded wires: 0.9mm to 5.5mm

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

For cutting and stripping of various electronic wires represented by KV
For solid wire 0.25mm²~2.0mm²
For stranded wire 0.05mm²~3.3mm²

3700KS/3700KM

For stripping various cable sheaths such as cabtyre cable.
Sheath outer dia. 4mm~16mm (3700KS)
8mm~28mm (3700KM)

No. 3500E-1/-2 Wire Stripper

- Lightweight(100g), compact handy type.
- Diamond finely polished blade for precision stripping.
- AWG-mm-mm² conversion table on the grip.

Model No.	Overall length (mm)	Weight (g)	Color	Inner Ctr.	Outer Ctr.	EDP No.
3500E-1	155	100	Red	5	30	141036
3500E-2	155	100	Yellow	5	30	141037

Package size: 220x75x13mm

	AWG	12	14	16	18	20	22	24
3500E-1	Solid wire (mm)	2.0	1.6	1.3	1.0	0.8	0.65	0.5
	Stranded wire (mm)	3.3	2.0	1.3	0.8	0.5	0.3	0.2
	AWG	18	20	22	24	26	28	30
3500E-2	Solid wire (mm)	1.0	0.8	0.65	0.5	0.4	0.3	0.25
	Stranded wire (mm)	0.8	0.5	0.3	0.2	0.13	0.08	0.05

No. 3500E-3/-4 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.
- Anti-drop cord can be attached.
- AWG-mm-mm² conversion table on the cushion grip.



Model No.	Overall length (mm)	Weight (g)	Color	Inner Ctr.	Outer Ctr.	EDP No.
3500E-3	163	107	Red / Black	5	30	141013
3500E-4	163	107	Yellow / Black	5	30	141014

Cardboard size: 220x75x13mm

	AWG	12	14	16	18	20	22	24
3500E-3	Solid wire (mm)	2.0	1.6	1.3	1.0	0.8	0.65	0.5
	Stranded wire (mm)	3.3	2.0	1.3	0.8	0.5	0.3	0.2
	AWG	18	20	22	24	26	28	30
3500E-4	Solid wire (mm)	1.0	0.8	0.65	0.5	0.4	0.3	0.25
	Stranded wire (mm)	0.8	0.5	0.3	0.2	0.13	0.08	0.05

* Some Teflon wires are not suitable.

One point**3500E-3/3500E-4**

No. DB-200 Bucket for Electricians

- Convenient for collecting wire scraps and carrying tools and instruments.
- Belt length can be adjusted.
- Elliptical shape to fit comfortably.



Size with header (mm)	Outer Ctn.	EDP No.
H280 × W200 × D125	1	141034

**No. 70 Plastic Head Hammer**

- Soft durable plastic head. Does not damage workpieces.
- Replacement head is available as option in a box.
- Replacement head of 1/2, 1 and 1 1/2 sizes is also available in 2-pc pre-carded package.



To replace the hammer head

Size	Length	Head Diameter	Length (mm)	Inner Outer Ctn. Ctn.	EDP No.
1/4	280	19.5	66.5	6 60	142001
1/2	280	25	82	6 60	142002
1	295	31.3	108	6 60	142003
1 1/2	325	37.6	125.5	6 36	142004
2	350	45.4	139	6 24	142005

Handles are not separately sold.

Replacement head for No.70

Model No.	Set content	Package size (mm)	Inner Outer Ctn. Ctn.	EDP No.
Head 70×1/4	1/4	85×102×20	20 -	142011
Head 70×1/2	1/2	110×132×27	20 400	142012
Head 70×1	1	130×155×35	20 400	142013
Head 70×1 1/2	1 1/2	80×185×42	10 400	142014
Head 70×2	2	100×225×48	10 400	142015

Replacement head for No.70 Cardboard Products

Model No.	Set content	Package size (mm)	Outer Ctn.	EDP No.
070105	1/2×2pcs	170×60×26	5	242012
070110	1×2pcs	170×60×35	5	242013
070115	1 1/2×2pcst	210×75×41	5	242014

⚠ WARNING concerning Hammers

- Strike target directly. Do not hit at an angle, etc.
- Do not strike anywhere but the target area.

**No. 77-10 Gel Grip Hammer (Rubber/Plastic Head)**

- Gel resin grip drastically absorbs the shocks by hammer blows to your palm. Alleviates the strain on your wrist.
- Slip resistance grip design of elastomer resin.
- Excellent balance between both heads, ensuring firm feeling of hammering.
- Hammer heads are screwed on and replaced easily. Replacement head is available as option.
- The hammer heads are screwed on and replaced easily. Rubber head is available as option. Rubber head is of light gray color, which does not cause color staining to the object.



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

Replacement Head for No.77 (Rubber Head)

Model No.	Set content	Package size (mm)	Inner Outer Ctn. Ctn.	EDP No.
077110	1Lb×2pcs	170×60×35	- 5	242021
77-10H Boxed	1Lb	130×155×35	20 400	142121

※Apply hammer Gel Grip Hammer No.77-10
Cannot be used for plastic hammer No.70-1.**One point**
GEL resin grip**Built-in gel cushions
the shock to the palm**Cushions the shock to the palm of hammering blows.
Alleviates the strain on your wrist.**Slip-resistant grip design**By gel, the contact surface with the palm increases.
Non-slip grip with projected parts.

No. RG-95**Ratchet Rivet Gun**

- Can calk blind rivets easily with one hand.
- Easily calks 4.8 mm steel rivets that were difficult to use with existing manual riveters.



Set content		Package size (mm)	Outer Ctn.	EDP No.
Body	overall length 230mm weight 570g	350×140×30	5	621310
Accessories	Nose piece 2.4, 3.2, 4.0, 4.8mm			
	Nose piece wrench A/F10mm			

No. 8 Thread File

- Quickly restores threads of tooling machines, automobiles, etc.
- 1 tool can be used with 8 different thread pitches.



Pitch	Metal fine thread	Metal coarse thread
0.75	M4.5	M6.7
1.00	M6.7	M8.9-11
1.25	M8.9	M10-12
1.50	M10-11	M14-16-18-20-22
1.75	M12	—
2.00	M14-16	M24-27-30-33
2.50	M18-20-22	—
3.00	M24-27	M36-39

Set content		Package size (mm)	Outer Ctn.	EDP No.
Pitch (mm)	0.75 / 1.00 / 1.25 / 1.50 1.75 / 2.00 / 2.50 / 3.00	270×75×12	10	621111

No. 5700WP Water Faucet Screwdriver

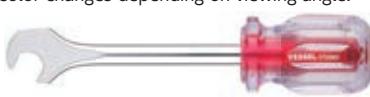
- Large sized tip enables stable fastening work as it fits well.



18	1.6	85	8	30	134.5	Package size (mm)	Inner Ctn.	EDP No.
								121572

No. 5700BD Car Battery Screwdriver

- Special coin-shaped drive tip with A/F 10mm hexagonal opening.
- Handle color changes depending on viewing angle.



18	10	1.6	85	8	28.5	133	Package size (mm)	Inner Ctn.	EDP No.
									121571

No. ZW-3/ZW-4 Thread Thru Stud Wrench

- Works with continuous thread studs, cut bolts and hanger bolts.
- Can be used 2 ways: Straight for tightening, or bent for fast turning.
- Can be used from halfway point with long hanger bolts.
- Lightweight, compact and easy to carry.



ZW-3	Thread part 3/8	32	20	140	224	195×64×27	10	621320
ZW-4	Thread part 1/2	32	20	140	222	195×64×27	10	621321

One point**Features of special tools****Ratchet Rivet Gun**

Allows you to caulk blind rivets easily with one hand

**Thread File**

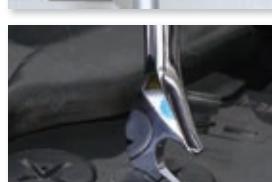
For restoring of screw threads
One file can be used for eight different thread pitches.

**Thread Thru Stud Wrench**

Dedicated for installing a full-thread bolt
It can be bent to turn a bolt quickly.

**Water Faucet Screwdriver**

Used for tightening and loosening of a water shut-off valve, flow-regulating valve, or check valve

**Car Battery Screwdriver**

It is a combination of a spanner with width across flats of 10mm for car battery removal and a coin-shaped drive tip.