



HAND TOOLS

Good things that make
people feel good



Mankind invented tools to serve him. Those tools helped him to develop civilization. A tool that fits the hand – a tool that evokes the inner mind – is the means for maximizing one’s ability. Today, both around the home and in the industrial world, the demand has arisen for a new form of tool that “fits the hand”. “Tools that make anyone a pro” ... Backed by over 80 years of technical prowess, Vessel is developing ergonomic products in a search of the best tool for the human hand. Vessel wants to convey “professional grit” to users.

Screwdriver

Making it easy to use is our mission.

Since taking the first step towards making screwdrivers in Japan in 1916, VESSEL has continually pursued true quality tools. Still today, alongside the advancements of technology, VESSEL continues to meet user needs by developing products of a higher level of sophistication. Our manufacturing philosophy is that "quality products come from quality materials and production systems, and the firm conviction of those who make them." With a carefully planned and executed system of development and production from materials to completion, Vessel has brought to the world many high precision tools that fit the hand and evoke the inner mind. And with almost 90 years of technical prowess behind us and the pride of a professional, Vessel will continue to produce easy-to-use ergonomic tools. Everyone involved in tool manufacture by Vessel pursues "greater ease of use" because we believe it is our mission to deliver the best tools for the human hand.



Tip

JAWSFIT®
The tip has been specially coated with high strength metallic granules to prevent CAM-OUT when tightening screws. The protrusion of these metallic granules grips the screw like a wedge.



Black Point
Delivers both the high toughness and wear resistance required of heavy-duty work, with high precision specifications that are not affected by driver shank plating thickness.



Chrome Plating
Extremely careful plating prevents rust and maintains a beautiful shine.

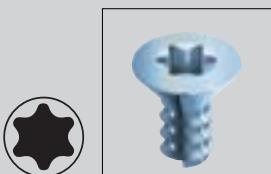


Other
Blackening...Rusting-proofing by forming an iron tetroxide film on the metal surface.
Shot-blasting...Satin finish surfacing by blasting tiny metallic granules on a metallic surface.

Screw Tightening System That Eliminates CAM-OUT

TORX®

- The basic shape is a 6-pointed star formed with ear-lobular shaped curves.
- Compared to recessed hexagon heads, drive efficiency is higher as torque is smoothly and assuredly transmitted to the screw while "CAM-OUT" is eliminated.



※We at VESSEL CO.,INC. manufacture various TORX fastening tools with original technical data, and the production gages under the licence by CAMCAR TEXTRON INC.

POZIDRIV®

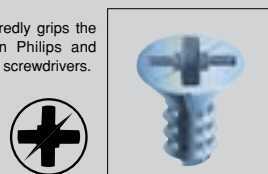
- Same as the SUPADRIV, the basic shape is a cross recess of 4 equally-thick blades. This prevents annoying "CAM-OUT" and transmits strong torque to the screw.



※POZIDRIV and SUPADRIV systems are patented and registered as the trademarks of EIS corp. in the U.K. We at VESSEL CO., INC. has a manufacturing license in Japan and selling same to the world.

SUPADRIV®

- The basic shape is a cross recess of 4 equally-thick blades. The drive faces that the screwdriver contacts inside the recess are almost perpendicular, which raises drive efficiency and minimizes "CAM-OUT".
- Further enhances the torque transfer and anti-CAM-OUT properties of the POSIDRIV to deliver a higher tightening effect than cannot be obtained with conventional Phillips screwdrivers.
- More assuredly grips the screw than Phillips and POSIDRIV screwdrivers.



Handle

Material

Plastic Handle

Injection molding enables free shaping and extrusion molding, the extruded plastic rod is cut and shaped into a handle. Both produce easy-to-use durable handles.

Soft Plastic Handle

Molded with soft plastic, the handle gently fits the hand. Hand power is transmitted to the tip without slipping on oil, etc.

Wooden handle

The wood used to make handles is carefully selected from blocks that have been naturally dried in the shade for one year. Wood provides warmth not found with plastic handles.

Function

Standard Type

The shank stops halfway up the handle.



Tang-Thru Type

The shank pierces the entire handle and has a metal cap on the butt end of the handle. Because the shank and cap are a single piece, the tool is sturdy. It is used to fasten screws tightly or to tap rusted screws before loosening.



Shape

Ergonomic Design

Handles are shaped to fit the hand.



T-Bar

The T-shaped design enables users to apply the most force to the handle.



Shank

Chrome Vanadium Steel

Fastening tool material of high toughness and wear resistance. Ideal steel for excellent toughness and Hardened properly.



Hexagon Shank Section

As with a square shank, a wrench can be used to loosen tight screws or fasten screws tightly.



Precision

Suitable for detailed precision work as demanded by watches and cameras.



Round Shank

Standard screwdriver shank

Thin Shank

Shank diameter is smaller compared to typical screwdrivers. Suitable for working in cramped places.

Square Shank

Wrenches can be used to loosen tight screws or fasten screws tightly.



Covered Shank

The shank is covered in a plastic jacket to prevent electrical shorts.



Stubby

Used for working in cramped places where ordinary screwdrivers cannot reach.



ISO9001 Certified

Truly good tools are made in a reliable environment.

VESSEL was the first in the screwdriver industry to obtain quality management certification by the International Standards Organization (ISO). Our obtaining ISO9001 fuels customer trust. This is one of the many challenges in understanding that the people who use tools have a heart.

Activities are underway to acquire ISO9001 for all manufacturing departments. VESSEL will continue to pursue a sounder environment for making easy-to-use tools.

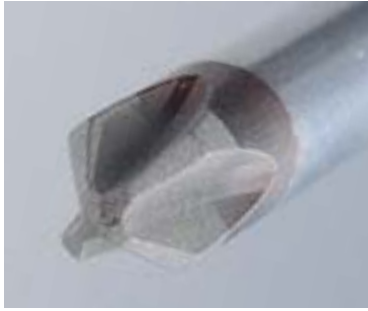


Certification Data

Certified Factories	Headquarters factory, Tanabe factory and Shiga factory of Vessel Industrial Co., Ltd.
Products made at certified factories	Screwdrivers, wire strippers, air dusters
Certifying Organization	JAPAN QUALITY ASSURANCE ORGANIZATION (JQA)
Certification No.:	JQA-1486
Certification Date:	December 13, 1996

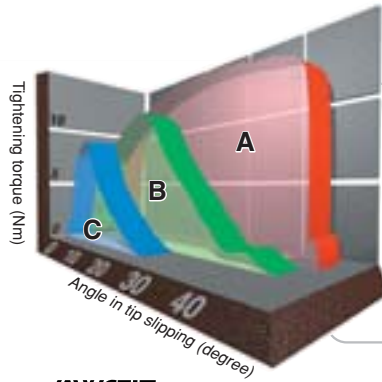
MEGADORA Series

JAWSFIT®



Tips coated in high strength metallic granules. File-like projections bite the screw hole whereby preventing CAM-OUT (phenomenon peculiar to cross recessed screws).

- Features**
- Requires less pressing force.
 - Reduces stripping and driver tip damage.



Tip Slipping Test

The screw is tightened with a tightening thrust of about 0. Angle and torque are measured until the screwdriver tip slips out of the screw hole.

JAWSFIT increases tightening 50% over standard screwdrivers.

- A JAWSFIT®**
No CAM-OUT that can lead to shank tip breakage
- B General anti-slip screwdrivers**
Screw hole is stripped when the screwdriver slips.
- C Standard screwdriver**
Screw hole is stripped when the screwdriver slips.



CAM-OUT

Camout not only strips the screw hole but also shortens the life of the tool.

No.900 MEGADORA Standard Screwdriver

◆Barcode labeled Patented



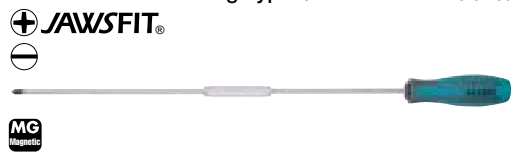
MG
Magnetic

- Philips JAWSFIT tip that grips the screw and doesn't let go
- A knurled shank keeps hands from slipping in fast turning and aids in hole wide in wood and board.
- Fully hardened chrome vanadium steel

Size	mm		mm	mm	mm	mm	Inner Ctn.	Outer Ctn.
	mm	mm						
⊖ 5.5 × 75	5.5	0.8	75	5.5	34	185	6	60
⊖ 6 × 100	6.0	0.9	100	6.4	34	210	6	60
⊖ 6 × 150	6.0	0.9	150	6.4	34	260	6	60
⊖ 8 × 150	8.0	1.1	150	8.0	36	275	6	60
⊕ 1 × 75	⊕ No.1	75	5.5	34	185	6	60	
⊕ 2 × 100	⊕ No.2	100	6.4	34	210	6	60	
⊕ 2 × 150	⊕ No.2	150	6.4	34	260	6	60	
⊕ 3 × 150	⊕ No.3	150	8.0	36	275	6	60	

No.900 MEGADORA Standard Screwdriver

Extra Long Type ◆Barcode labeled Patented



MG
Magnetic

- Useful in hard-to-reach jobs such as headlight adjustments and hose band removal. Junk (turning) grip minimizes shaking originating in the long shank, to ensure stable tightening.
- Fully hardened chrome vanadium steel

Size	mm		mm	mm	mm	mm	Inner Ctn.	Outer Ctn.
	mm	mm						
⊖ 6 × 400	6	0.9	400	6.4	34	510	6	60
⊕ 2 × 400	⊕ No.2	400	6.4	34	510	6	60	

No.910 MEGADORA Thin Shank Screwdriver

◆Barcode labeled Patented



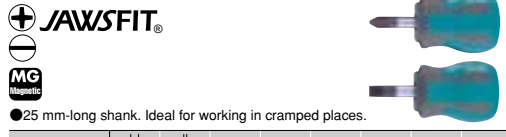
MG
Magnetic

- Precision type with 4 mm or smaller diameter shank
- Black point tip that is unaffected by plating thickness

Size	mm		mm	mm	mm	mm	Inner Ctn.	Outer Ctn.
	mm	mm						
⊖ 3 × 75	3	0.4	75	3.0	21	153	12	120
⊖ 3 × 100	3	0.4	100	3.0	21	178	12	120
⊖ 4 × 75	4	0.5	75	4.0	21	153	12	120
⊖ 4 × 100	4	0.5	100	4.0	21	178	12	120
⊖ 4 × 150	4	0.5	150	4.0	21	228	12	120
⊖ 4 × 200	4	0.5	200	4.0	21	278	12	120
⊕ 00 × 75	⊕ No.00	75	3.0	21	153	12	120	
⊕ 0 × 75	⊕ No. 0	75	3.0	21	153	12	120	
⊕ 0 × 100	⊕ No. 0	100	3.0	21	178	12	120	
⊕ 1 × 75	⊕ No. 1	75	4.0	21	153	12	120	
⊕ 1 × 100	⊕ No. 1	100	4.0	21	178	12	120	

No.920 MEGADORA Stubby Screwdriver

◆Barcode labeled Patented




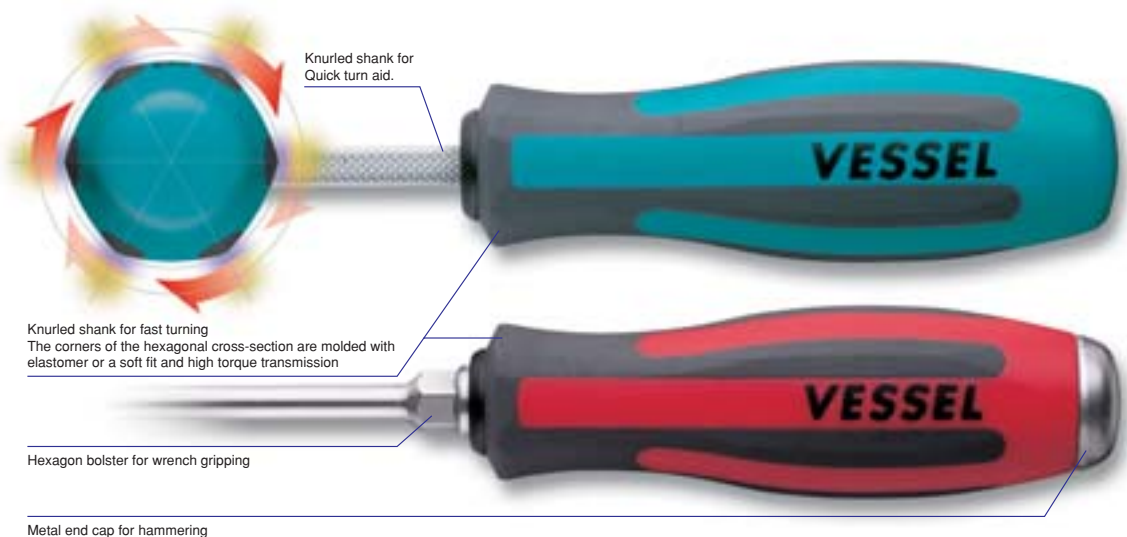
MG
Magnetic

- 25 mm-long shank. Ideal for working in cramped places.

Size	mm		mm	mm	mm	mm	Inner Ctn.	Outer Ctn.
	mm	mm						
⊖ 6 × 25	6.4	0.9	25	6.4	36	75	6	60
⊕ 1 × 25	⊕ No.1	25	6.4	36	75	6	60	
⊕ 2 × 25	⊕ No.2	25	6.4	36	75	6	60	



 Choose a screwdriver that fits the screw. The wrong size screwdriver can strip the screw hole.



No.930 MEGADORA Tang-Thru Screwdriver

◆Barcode labeled Patented



- Philips JAWSFIT tip that grips the screw and doesn't let go
- Tang-Thru shank with large end cap.
- Fully hardened chrome vanadium steel

Size	Tip Dimensions						Inner Ctn.	Outer Ctn.
	mm	mm	mm	mm	mm	mm		
⊖ 5.5 × 75	5.5	0.8	75	5.5	34	188	8	60
⊖ 6 × 100	6.0	0.9	100	6.4	34	213	10	60
⊖ 6 × 150	6.0	0.9	150	6.4	34	263	10	60
⊖ 8 × 150	8.0	1.1	150	8.0	36	278	12	60
⊕ 1 × 75	⊕ No.1	75	5.5	30	176	8	6	60
⊕ 2 × 100	⊕ No.2	100	6.4	34	213	10	6	60
⊕ 2 × 150	⊕ No.2	150	6.4	34	263	10	6	60
⊕ 3 × 150	⊕ No.3	150	8.0	36	278	12	6	60

No.940TX MEGADORA TORX Screwdriver Patented

◆Barcode labeled



- For working with TORX screws and tamper-proof screws (T5 and T6 excluded)

Size	Tip Dimensions					Inner Ctn.	Outer Ctn.
	mm	mm	mm	mm	mm		
T5 × 80	1.37	80	3.0	21	158	12	120
T6 × 80	1.65	80	3.0	21	158	12	120
T7H × 80	1.97	80	3.0	21	158	12	120
T8H × 80	2.3	80	4.0	21	158	12	120
T9H × 80	2.48	80	4.0	21	158	12	120
T10H × 80	2.72	80	4.0	21	158	12	120
T15H × 80	3.26	80	5.5	30	180	6	60
T20H × 120	3.84	120	5.5	30	220	6	60
T25H × 120	4.4	120	6.4	34	230	6	60
T27H × 120	4.96	120	6.4	34	230	6	60
T30H × 120	5.49	120	6.4	34	230	6	60
T40H × 120	6.6	120	8.0	36	245	6	60

No.930 MEGADORA Tang-Thru Screwdriver Short Type

◆Barcode labeled Patented



- For working in cramped places where stubby screwdrivers do not provide sufficient tightening force
- Tang-Thru shank with large end cap.
- Fully hardened chrome vanadium steel

Size	Tip Dimensions						Inner Ctn.	Outer Ctn.
	mm	mm	mm	mm	mm	mm		
⊖ 6 × 38	6	0.9	38	6.4	34	151	6	60
⊕ 2 × 38	⊕ No.2	38	6.4	34	151	10	6	60

TORX®

TORX is a registered trademark of Camcar Textron. Vessel is licensed by Camcar Textron to use this technology and the logo.

The basic shape is a 6-pointed star formed with ear-lobular shaped curves. Delivers assured torque transmission, smooth on-off and sound durability.

Vessel is licensed by Camcar Textron of the USA to manufacture TORX tools based on the original manufacturing gauge.



Tamper-Proof TORX

A projection is provided at the center of the screw's recess to prevent ordinary TORX screwdrivers and slotted head screwdrivers from fitting the hole. Tamper-Proof screws are used to prevent tampering with communication equipment, computers and other products for product design or management purposes.

MEGADORA Series

Scrape, Chip, Pry and Break



MEGADORA Clip Remover

- One scraper for removing small to large clips often used with automobiles
- Optimally angled for working in cramped places (i.e., door trim, wire anchors, clips, etc.)
- Long type for reaching clips deep inside wall linings



MEGADORA Scrapper

- Made of high toughness die-cast metal.
- Easy lever-operated blade replacement
- Plating finish which is proof against paint and adhesive
- Available in 180mm, 300mm and 300mm shank with nut



MEGADORA Chisel-Type Screwdriver

- Made of high grade chisel steel of HRC58 hardness
Sound cutting and wear resistance
- Tang-Thru shank with large end cap.
- For spot welding stripping, deburring, and tile and brick chipping

No.970

MEGADORA Scrapper

Patented

◆Barcode labeled



- For removing cross/P tile, paint, stickers and other scraping needs
- ST-300 comes with a metal end cap for hammering.

Size	Diagram Dimensions				Inner Ctn.	Outer Ctn.
	Amm	Bmm	Cmm	Dmm		
S-180	195	85	—	34	5	30
S-300	313	185	15	36	5	30
ST-300	315	185	15	36	5	30

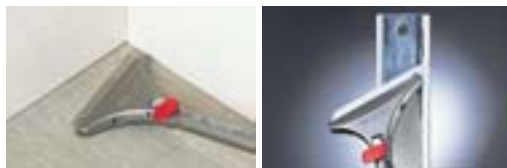
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MEGADORA Scrapper Blade

◆Barcode labeled

- Replacement blade for MEGADORA Scrapper
- Sharp angled tip suited for work for edges
- Comes with plastic case

Size	Blades per carton
100×18×0.5mm	10



No.970

MEGADORA Clip Remover

Patented

◆Barcode labeled



- Available with large or small tip. ● Suited for many clips used with automobiles.
- Can turn and pry clips. ● Fully hardened chrome vanadium steel.
- Chrome-plated fork to enable damage-free sliding.
- Optimally angled for working in cramped places (i.e., door trim, wire anchors, clips, etc.)

Size	Diagram Dimensions				Inner Ctn.	Outer Ctn.	
	mm	mm	mm	mm			
CRX 120	12 ^{mm} /7 ^{mm}	120	7.0	34	230	6	60

No.970

MEGADORA Clip Remover

Patented

◆Barcode labeled

Long type



- Available with large or small tip.
- Suited for many clips used with automobiles.
- Fully hardened chrome vanadium steel.
- Chrome-plated fork to enable damage-free sliding.
- Can fit into tiny openings (7mm) . Reduces damage to clips and materials.

Size	Diagram Dimensions				Inner Ctn.	Outer Ctn.	
	mm	mm	mm	mm			
CRX 300	12 ^{mm} /7 ^{mm}	300	7.0	34	352	6	60

No.970

MEGADORA Chisel-Type Screwdriver

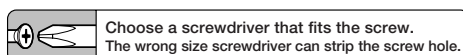
Patented

◆Barcode labeled



- Made of high grade chisel steel. HRC58 hardness.
Offers both wear resistance and good cutting.
- Elastomer grip absorbs shock absorption and reduces hand fatigue.
- Tang-Thru shank with large end cap. Carbonized quenched end cap to minimize deformation.

Size	Diagram Dimensions						Inner Ctn.	Outer Ctn.
	mm	mm	mm	mm	mm	mm		
7 × 100	7.0	1.5	100	7	34	213	6	60
9.5 × 120	9.5	1.7	120	9.5	36	248	6	60



Choose a screwdriver that fits the screw.
The wrong size screwdriver can strip the screw hole.



Flat surface to better fit the palm of the hand.
Wide grip to ensure assured holding.



Metal end cap for hammering (MEGADORA Chisel-Type Screwdriver)

No.908PF 8-Piece MEGADORA Standard FOD* Screwdriver Set

*Foreign Object Defection



- Comes with a handy tray that lets users easily know when a tool is missing.
- Small enough for storing in cabinets and chests.

	Package content	Tray size	Outer Ctn.	Inner Ctn.
No.900	⌀5.5×75 · ⌀6×100 ⌀8×150 · ⌀1×75 ⌀2×100 · ⌀3×150	280×135×35mm	1	10
No.920	⌀6×25 · ⌀2×25			

No.945TX 8-Piece MEGADORA FOD* TORX No.944TX Screwdriver Set

*Foreign Object Defection



- Ideal for Assembly and maintenance of Computer/Communications.
- Applicable for Automotive after market.

No.945TX: 5-piece set

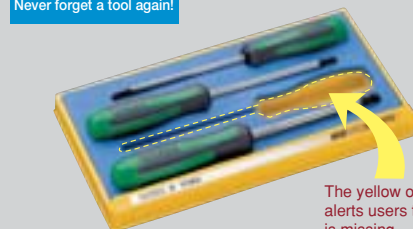
	Package content	Tray size	Outer Ctn.	Inner Ctn.
No.940TX	T5×80·T6×80 T8H×80·T10H×80· T15H×80	280×135×35mm	1	20

No.944TX: 4-piece set

	Package content	Tray size	Outer Ctn.	Inner Ctn.
No.940TX	T20H×120·T25H×120 T30H×120· T40H×120	280×135×35mm	1	20



Double-layer construction of plastic tray and urethane foam



The yellow outline alerts users that a tool is missing.

Cushion Grip Screwdrivers

High precision, high toughness and wear resistance



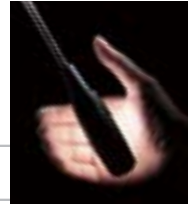
Difference in tightening force by grip



Average tightening force of 5 persons measured with a torque tester

- No.6009.5N·m
- No.2208.1N·m
- No.9008.5N·m
- No.63005.6N·m

Because of the highly elastic texture, the Cushion Grip Screwdriver transmits a lot of torque to the screw.



Hand Tools

Screwdrivers

No.600 Cushion Grip Screwdriver

◆Barcode labeled



- High toughness shank made of fully hardened chrome vanadium steel
- Black chrome plating

Size	mm	mm	mm	mm	mm	mm	Inner Ctn.	Outer Ctn.
⊖ 5.5×75	5.5	0.8	75	5.5	29	182	6	240
⊖ 5.5×100	5.5	0.8	100	5.5	29	207	6	120
⊖ 6 ×100	6.0	0.9	100	6.4	32	215	6	120
⊖ 6 ×150	6.0	0.9	150	6.4	32	265	6	120
⊖ 8 ×150	8.0	1.1	150	8.0	35	275	6	120
⊕ 1 ×75	⊕ No.1	75	5.5	29	182	6	240	
⊕ 1 ×100	⊕ No.1	100	5.5	29	207	6	120	
⊕ 2 ×100	⊕ No.2	100	6.4	32	215	6	120	
⊕ 2 ×150	⊕ No.2	150	6.4	32	265	6	120	
⊕ 3 ×150	⊕ No.3	150	8.0	35	275	6	120	

No.630 Cushion Grip Tang-Thru Screwdriver

◆Barcode labeled



- Asterisk Metal, Tang-Thru
- Hand-friendly cushion grip. ●Color-coded for ⊕ ⊖.
- Fully hardened chrome vanadium steel for heavy-duty work.
- High precision black point tip

Size	mm	mm	mm	mm	mm	mm	Inner Ctn.	Outer Ctn.
⊖ 5.5×75	5.5	0.8	75	5.5	29	185	6	120
⊖ 5.5×100	5.5	0.8	100	5.5	29	210	6	120
⊖ 6 ×100	6.0	0.9	100	6.4	32	218	6	120
⊖ 6 ×150	6.0	0.9	150	6.4	32	268	6	120
⊖ 8 ×150	8.0	1.1	150	8.0	35	278	6	60
⊕ 1 ×75	⊕ No.1	75	5.5	29	185	6	120	
⊕ 1 ×100	⊕ No.1	100	5.5	29	210	6	120	
⊕ 2 ×100	⊕ No.2	100	6.4	32	218	6	120	
⊕ 2 ×150	⊕ No.2	150	6.4	32	268	6	120	
⊕ 3 ×150	⊕ No.3	150	8.0	35	278	6	60	

No.610 Cushion Grip Screwdriver

<Thin Shank Type>◆Barcode labeled



- Thin shank screwdriver. Ideal for screw tightening in precision fields.
- Hand-friendly cushion grip. Color-coded for ⊕ ⊖. ●Fully hardened chrome vanadium steel.
- Black point tip that is unaffected by plating thickness

Size	mm	mm	mm	mm	mm	mm	Inner Ctn.	Outer Ctn.
⊖ 4 ×50	4.0	0.5	50	4.0	20.5	137	12	120
⊖ 4 ×75	4.0	0.5	75	4.0	20.5	162	12	120
⊖ 4 ×100	4.0	0.5	100	4.0	20.5	187	12	120
⊖ 4 ×125	4.0	0.5	125	4.0	20.5	212	12	120
⊖ 4 ×150	4.0	0.5	150	4.0	20.5	237	12	120
⊖ 4 ×200	4.0	0.5	200	4.0	20.5	287	12	120
⊕ 00 ×75	⊕ No.00	75	4.0	20.5	162	12	120	
⊕ 00 ×100	⊕ No.00	100	4.0	20.5	187	12	120	
⊕ 0 ×75	⊕ No. 0	75	4.0	20.5	162	12	120	
⊕ 0 ×100	⊕ No. 0	100	4.0	20.5	187	12	120	
⊕ 1 ×75	⊕ No. 1	75	4.0	20.5	162	12	120	
⊕ 1 ×100	⊕ No. 1	100	4.0	20.5	187	12	120	
⊕ 1 ×150	⊕ No. 1	150	4.0	20.5	237	12	120	

No.620 Cushion Grip Screwdriver

<Stubby type>◆Barcode labeled



- Short 15 mm shank.
- For tightening in cramped places.
- Fully hardened chrome vanadium steel.

Size	mm	mm	mm	mm	mm	mm	Inner Ctn.	Outer Ctn.
⊖ 6×15	6.0	0.9	15.0	6.0	35.0	68.0	6	120
⊕ 1×15	⊕ No.1	15.0	6.0	35.0	68.0	6	120	
⊕ 2×15	⊕ No.2	15.0	6.0	35.0	68.0	6	120	

No.660 Cushion Grip Screwdriver

<Stubby Reversible Blade System>



- Fully hardened chrome vanadium steel.
- Reversible for use with both ends (⊖5, ⊕2).

Grip Dia.	Overall length (with tip)	Reversible blade		
		Ends	Length (mm)	Inner Ctn. / Outer Ctn.
35mm	78mm	⊖5 / ⊕2	60	10 / 60

Choose a screwdriver that fits the screw. The wrong size screwdriver can strip the screw hole.

Cushion Grip Screwdrivers



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

Grip tip shaped for fitting tightly in
screwdriver sack.

No.220 Ball-Grip Screwdriver Patented

◆Barcode labeled



- Transmits ample tightening force to screw.
- Cushion grip color-coded by ⊕⊖.
- Fully hardened chrome vanadium steel.
- High precision black point tip

Size	mm		mm		mm		Inner Ctn.	Outer Ctn.
	mm	mm	mm	mm	mm	mm		
⊖5.5×75	5.5	0.8	75	5.5	32.0	156.5	6	60
⊖5.5×100	5.5	0.8	100	5.5	32.0	181.5	6	60
⊖5.5×150	5.5	0.8	150	5.5	32.0	231.5	6	60
⊖6×100	6.0	0.9	100	6.4	41.0	200	6	60
⊖6×150	6.0	0.9	150	6.4	41.0	250	6	60
⊖6×200	6.0	0.9	200	6.4	41.0	300	6	60
⊕1×75	⊕No.1	75	5.5	32.0	156.5	6	60	
⊕1×100	⊕No.1	100	5.5	32.0	181.5	6	60	
⊕1×150	⊕No.1	150	5.5	32.0	231.5	6	60	
⊕2×100	⊕No.2	100	6.4	41.0	200	6	60	
⊕2×150	⊕No.2	150	6.4	41.0	250	6	60	
⊕2×200	⊕No.2	200	6.4	41.0	300	6	60	

No.230 Ball-Grip Tang-Thru Screwdriver Patented

◆Barcode labeled

Patented



- Tang-Thru shank with star end cap
- Transmits ample tightening force to screw.
- Cushion grip color-coded by ⊕⊖.
- High precision black point tip.
- Fully hardened chrome vanadium steel.

Size	mm		mm		mm		Inner Ctn.	Outer Ctn.
	mm	mm	mm	mm	mm	mm		
⊖5.5×75	5.5	0.8	75	5.5	32	156.5	6	60
⊖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
⊕1×75	⊕No.1	75	5.5	32	156.5	6	60	
⊕2×100	⊕No.2	100	6.4	41	200	6	60	
⊕2×150	⊕No.2	150	6.4	41	250	6	60	

No.600JF Cushion Grip Screwdriver Patented

〈JAWSFIT type〉 ◆Barcode labeled [With S-hanger]



- JAWSFIT tip that grips the screw and doesn't let go
- Lightweight grip made of polyolefin resin.
- Elastomer resin for an excellent fit whichever way held in the hand.
- Fully hardened chrome vanadium steel.

Size	mm		mm		mm		Inner Ctn.	Outer Ctn.
	mm	mm	mm	mm	mm	mm		
⊕2×100	⊕No.2	100	6.4	32	215	6	60	
⊕2×150	⊕No.2	150	6.4	32	265	6	60	



Grip the screw!

No.220JF Ball-Grip Screwdriver Patented

〈JAWSFIT type〉 ◆Barcode labeled [With S-hanger]



- JAWSFIT tip that grips the screw and doesn't let go
- Lightweight grip made of polyolefin resin.
- Elastomer resin for an excellent fit whichever way held in the hand.
- Fully hardened chrome vanadium steel.

Size	mm		mm		mm		Inner Ctn.	Outer Ctn.
	mm	mm	mm	mm	mm	mm		
⊕2×100	⊕No.2	100	6.4	41	200	6	60	
⊕2×150	⊕No.2	150	6.4	41	250	6	60	

Safety Tools

Prevent dropping and protect against electric shock.

- Screwdriver turns freely even when the cord is attached to simultaneously ensure ease of use and safety.



- Urethane sheathed stainless steel wire cord to prevent dropping

- Holder with stopper to prevent dropping



"Neon" Light in the dark!

NEON alerts users that a tool is missing in the dark such as roof-space.

NEON

Large diameter grip and elastomer resin for an excellent fit. Polyolefin resin doesn't generate dioxin during combustion.

Light accumulation

Absorbs sunlight or fluorescent light and emits automatically. (12-hour emission by 20-minute irradiation)

Reflection characteristic

Reflects the lamp light.

Prevent to forget the tool at site.



No.600F Free-Turning Cushion Grip Screwdriver

<Screwdriver only> ◆Barcode labeled Patented



[With S-hanger]



- Free-turning hanger enables fast turning.
- Elastomer resin for an excellent fit whichever way held in the hand.

Size	mm		mm		mm		Inner Ctn.	Outer Ctn.
	mm	mm	mm	mm	mm	mm		
⊖6 ×100	6.0	0.9	100	6.4	32	215	6	60
⊖6 ×150	6.0	0.9	150	6.4	32	265	6	60
⊕2 ×100	⊕No.2	100	6.4	32	215	6	60	
⊕2 ×150	⊕No.2	150	6.4	32	265	6	60	

No.220F Free-Turning Ball Grip Screwdriver

<Screwdriver only> ◆Barcode labeled Patented



[With S-hanger]



- Free-turning hanger enables fast turning.
- Elastomer resin for an excellent fit whichever way held in the hand.

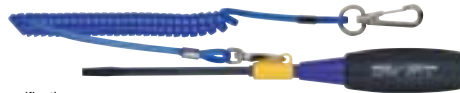
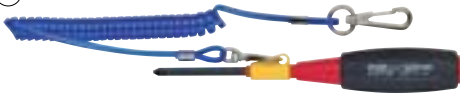
Size	mm		mm		mm		Inner Ctn.	Outer Ctn.
	mm	mm	mm	mm	mm	mm		
⊖6 ×100	6.0	0.9	100	6.4	41.0	200	6	60
⊖6 ×150	6.0	0.9	150	6.4	41.0	250	6	60
⊕2 ×100	⊕No.2	100	6.4	41.0	200	6	60	
⊕2 ×150	⊕No.2	150	6.4	41.0	250	6	60	

No.600FW Free-Turning Cushion Grip Screwdriver

<With cord> ◆Barcode labeled Patented



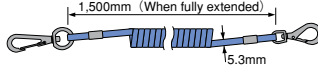
[Blister package]



Cord specifications

Urethane sheathed stainless steel wire cord

- Wire weight : 48g
- Break strength : 25Kgf
- Tool weight : Up to 1kg



- Comes with cord to prevent dropping and misplacing.
- Free-turning hanger enables fast turning.
- Elastomer resin for an excellent fit whichever way held in the hand.

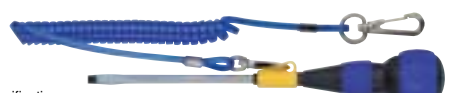
Size	mm		mm		mm		Inner Ctn.
	mm	mm	mm	mm	mm	mm	
⊖6 ×100	6.0	0.9	100	6.4	32	215	10
⊖6 ×150	6.0	0.9	150	6.4	32	265	10
⊕2 ×100	⊕No.2	100	6.4	32	215	10	
⊕2 ×150	⊕No.2	150	6.4	32	265	10	

No.220FW Free-Turning Ball Grip Screwdriver

<With cord> ◆Barcode labeled Patented



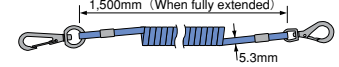
[Blister package]



Cord specifications

Urethane sheathed stainless steel wire cord

- Wire weight : 48g
- Break strength : 25Kgf
- Tool weight : Up to 1kg



- Comes with cord to prevent dropping and misplacing.
- Free-turning hanger enables fast turning.
- Elastomer resin for an excellent fit whichever way held in the hand.

Size	mm		mm		mm		Inner Ctn.
	mm	mm	mm	mm	mm	mm	
⊖6 ×100	6.0	0.9	100	6.4	41.0	200	10
⊖6 ×150	6.0	0.9	150	6.4	41.0	250	10
⊕2 ×100	⊕No.2	100	6.4	41.0	200	10	
⊕2 ×150	⊕No.2	150	6.4	41.0	250	10	

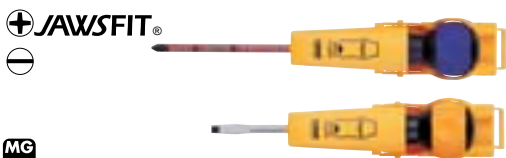


Choose a screwdriver that fits the screw.
The wrong size screwdriver can strip the screw hole.

Cushion Grip Screwdrivers

No.220JFH Ball-Grip Screwdriver Patented

No.220H (With holder) ◆Barcode labeled



MG
Magnetic

- Super lightweight holder made of polypropylene. Designed for safety with an ejection prevention stopper.
- Philips JAWSFIT tip. Assuredly grips the screw.
- Slotted tip is cut straight to prevent catching even in cramped places.

Model No.	Size	Content (Each comes with screwdriver holder)	Overall Length (mm)	Inner Ctn.	Outer Ctn.
220JFH	⊕2×100	No.220JF ⊕2×100	275	6	60
	⊕2×150	No.220JF ⊕2×150	325	6	60
220H	⊖6×100	No.220 ⊖6×100	275	6	60
	⊖6×150	No.220 ⊖6×150	325	6	60

No.600JFH Cushion Grip Screwdriver Patented

No.600H (With holder) ◆Barcode labeled



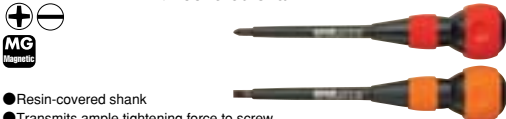
MG
Magnetic

- Super lightweight holder made of polypropylene. Designed for safety with an ejection prevention stopper.
- Philips JAWSFIT tip. Assuredly grips the screw.
- Slotted tip is cut straight to prevent catching even in cramped places.

Model No.	Size	Content (Each comes with screwdriver holder)	Overall Length (mm)	Inner Ctn.	Outer Ctn.
600JFH	⊕2×100	No.600JF ⊕2×100	273	6	60
	⊕2×150	No.600JF ⊕2×150	323	6	60
600H	⊖6×100	No.600 ⊖6×100	273	6	60
	⊖6×150	No.600 ⊖6×150	323	6	60

No.225 Ball-Grip Screwdriver Patented

(With covered shank) ◆Barcode labeled



MG
Magnetic

- Resin-covered shank
- Transmits ample tightening force to screw.
- Cushion grip is marked ⊕⊖ for quick identification.
- Fully hardened chrome vanadium steel.

Size	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Inner Ctn.	Outer Ctn.
⊖6×100	6.0	0.9	100	41.0	200	14.0	8.0	10.0	6	60			
⊖6×150	6.0	0.9	150	41.0	250	14.0	8.0	10.0	6	60			
⊕2×100	⊕No.2		100	41.0	200	14.0	8.0	10.0	6	60			
⊕2×150	⊕No.2		150	41.0	250	14.0	8.0	10.0	6	60			



The shank is covered in a plastic jacket to prevent electrical short circuit.

No.265 "Neon" Screwdriver Patented

◆Barcode labeled [With S-hanger]



NEW
MG
Magnetic

- Light up in the dark accumulation type.
- Fully hardened chrome vanadium steel.
- High precision black point tip.

Size	mm	mm	mm	mm	mm	mm	mm	Inner Ctn.	Outer Ctn.
⊖6×100	6.0	0.9	100	6.4	40	186	6	60	
⊖6×150	6.0	0.9	150	6.4	40	236	6	60	
⊕2×100	⊕No.2		100	6.4	40	186	6	60	
⊕2×150	⊕No.2		150	6.4	40	236	6	60	

No.9100 Screwdriver

T-Bar Fastening System



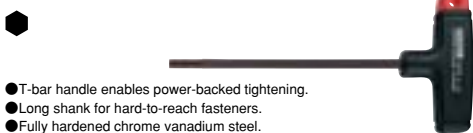
MG
Magnetic

- T-bar handle enables power-backed tightening.
- Fully hardened chrome vanadium steel for heavy-duty work.
- Black point tip

Size	mm	mm	mm	mm	mm	mm	mm	Inner Ctn.	Outer Ctn.
⊖6×150	6.0	0.9	150	6.4	90	196.5	6	60	
⊖6×250	6.0	0.9	250	6.4	90	296.5	6	60	
⊖8×150	8.0	1.1	150	8.0	110	203	6	60	
⊖8×300	8.0	1.1	300	8.0	110	353	6	60	
⊖9×300	9.0	1.2	300	9.0	110	353	6	60	
⊕4X300	⊕No.4		300	9.0	110	353	6	60	

No.9200 Hex Wrench

T-Bar Fastening System

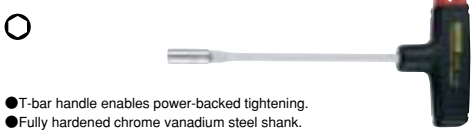


- T-bar handle enables power-backed tightening.
- Long shank for hard-to-reach fasteners.
- Fully hardened chrome vanadium steel.
- Precision blackened finish.

Size	mm	mm	mm	mm	mm	mm	mm	Inner Ctn.	Outer Ctn.
A/F 4 ×150	4.0	—	150	5.8	90	196.5	6	60	
A/F 5 ×150	5.0	—	150	5.8	90	196.5	6	60	
A/F 6 ×150	6.0	—	150	7.0	90	196.5	6	60	
A/F 10×200	10.0	—	200	9.2	110	253	6	60	

No.9300 Nut Screwdriver

T-Bar Fastening System



- T-bar handle enables power-backed tightening.
- Fully hardened chrome vanadium steel shank.
- Hexagon bolster for wrench gripping.
- Handy deep hexagon socket for easy on-off.

Size	mm	mm	mm	mm	mm	mm	mm	mm	mm	Inner Ctn.	Outer Ctn.
A/F 5 ×150	5.0	8.0	20	150	5.0	90	196.5	7	6	60	
A/F 5.5×150	5.5	9.0	20	150	5.5	90	196.5	7	6	60	
A/F 6 ×150	6.0	9.5	20	150	5.5	90	196.5	8	6	60	
A/F 12×200	12.0	16.5	28	200	8.0	110	253	14	6	60	

Plastic Grip Screwdrivers

Wide Range of Tips

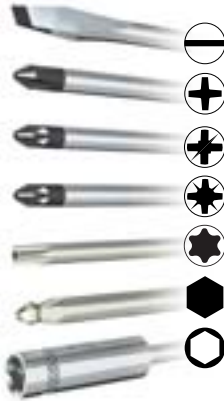
VESSEL aggressively develops licensing activities with fastener manufacturers in order to produce tools to specifications that accurately match screw recesses.

SUPADRIV®
EIS of England

Pozidriv®
EIS of England

TORX®
CAMCAR TEXTRON INC. USA

UltraBall.
Our original ball tip of Max. tilted Driving Angle



Doesn't slip even when covered in oil.

When servicing automobiles and motorcycles, oil gets on tools. With "Non-Slip" processing, VESSEL tools fit the hand comfortably without slipping even when covered in oil.

Oil Covered Tightening Test



Though screwdrivers of various types of handle loose about 70% of their tightening torque when used with oily hands, Vessel's "Non-Slip Screwdrivers" loose only about 32% when used in oil-covered hands.

No.4500 Power Grip Screwdriver

◆Barcode labeled



- Plastic handle and Tang-Thru shank stand up to heavy-duty work.
- Hexagon bolster for wrench gripping.
- Fully hardened chrome vanadium steel.

Size	mm	mm	mm	mm	mm	mm	mm	mm	mm	Inner Ctn.	Outer Ctn.
⊖ 5.5×75	5.5	0.8	75	5.8	28.0	172	8	6	240		
⊖ 6 ×100	6.0	0.9	100	6.4	31.8	204	10	6	120		
⊖ 8 ×150	8.0	1.1	150	8.0	35.6	265	12	6	120		
⊖ 9 ×200	9.0	1.2	200	9.0	37.0	320	12	6	60		
⊕ 1 × 75	⊕ No.1	75	5.8	28.0	172	8	6	240			
⊕ 2 ×100	⊕ No.2	100	6.4	31.8	204	10	6	120			
⊕ 3 ×150	⊕ No.3	150	8.0	35.6	265	12	6	120			
⊕ 4 ×200	⊕ No.4	200	9.0	37.0	320	12	6	60			

No.5400BP Power Grip UltraBall Screwdriver

◆Barcode labeled



- Fully hardened chrome vanadium steel. Champaign Gold plating to maintain tip precision.
- Knurled shank for fast turning.
- New shape that enables turning even at 35° inclinations

Size	mm	mm	mm	mm	mm	mm	mm	Inner Ctn.	Outer Ctn.
A/F 1.5×80	2.5	155	17	12	60				
A/F 2 ×80	3	155	17	12	60				
A/F 2.5×80	3	155	17	12	60				
A/F 3 ×120	3.5	217	28	6	60				
A/F 4 ×120	5	224	31.8	6	60				
A/F 5 ×120	6	235	35.6	6	60				
A/F 6 ×120	7	235	35.6	6	60				

※ It may not fit for shallow screwhead.

No.4100 Power Socket Screwdriver

◆Barcode labeled



- For fastening and unfastening hexagon bolts and nuts
- Socket size is printed on the grip end for easy identification.

Size	mm	mm	mm	mm	mm	mm	mm	mm	mm	Inner Ctn.	Outer Ctn.
A/F 5 ×115	5.0	8.0	18	115	5.0	28.0	212	6	60		
5.5×115	5.5	9.0	18	115	5.0	28.0	212	6	60		
6 ×115	6.0	9.0	18	115	5.5	28.0	212	6	60		
7 ×125	7.0	10.0	18	125	5.5	28.0	222	6	60		
8 ×125	8.0	12.0	20	125	5.5	31.8	229	6	60		
9 ×125	9.0	12.7	20	125	6.3	31.8	229	6	60		
10 ×125	10.0	15.0	20	125	7.0	35.6	240	6	60		
11 ×125	11.0	15.0	20	125	7.0	35.6	240	6	60		
12 ×150	12.0	17.0	20	150	8.0	35.6	265	6	60		
13 ×150	13.0	19.0	20	150	8.0	35.6	265	6	60		

No.5400TX Power Grip TORX Screwdriver

◆Barcode labeled



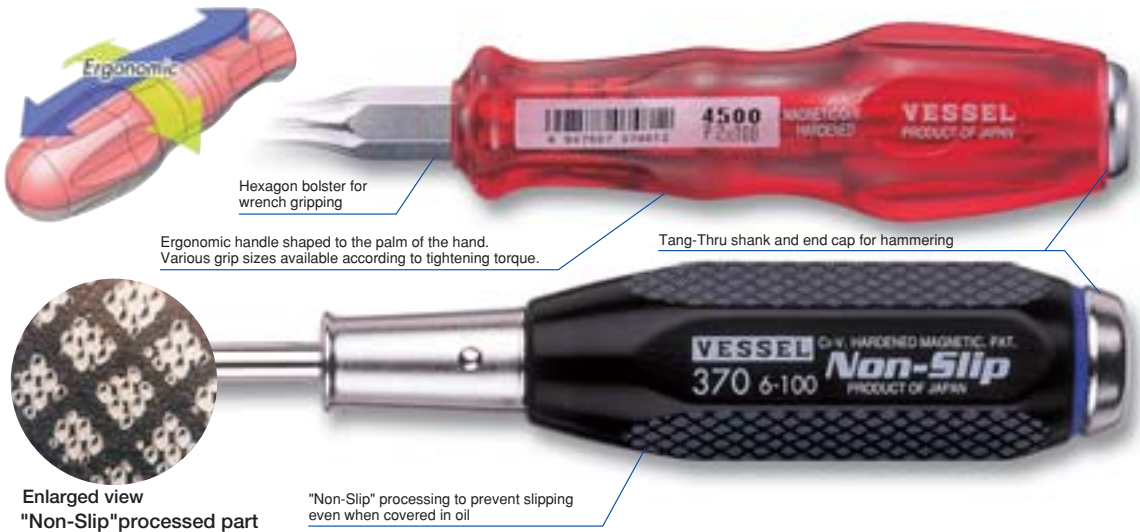
- Fully hardened chrome vanadium steel. Champaign Gold plating to maintain tip precision.
- Acetate resin ergonomic handle.
- For working with tamper-proof screws (T5 and T6 excluded)

Size	mm	mm	mm	mm	mm	mm	mm	mm	mm	Inner Ctn.	Outer Ctn.
T 5 ×80	1.37	80	2.5	17.0	155	12	60				
T 6 ×80	1.65	80	2.5	17.0	155	12	60				
T 7H×80	1.97	80	2.5	17.0	155	12	60				
T 8H×80	2.3	80	3.0	17.0	155	12	60				
T 9H×80	2.48	80	3.0	17.0	155	12	60				
T10H×80	2.72	80	3.0	17.0	155	12	60				
T15H×80	3.26	80	3.5	28.0	177	6	60				
T20H×120	3.84	120	4.0	28.0	217	6	60				
T25H×120	4.4	120	5.0	31.8	224	6	60				
T27H×120	4.96	120	5.0	31.8	224	6	60				
T30H×120	5.49	120	6.0	35.6	235	6	60				
T40H×120	6.6	120	7.0	35.6	235	6	60				



Choose a screwdriver that fits the screw.
The wrong size screwdriver can strip the screw hole.

Plastic Grip Screwdrivers



No.4200 SUPADRIV® Screwdriver



- MG**
Magnetic
- Fully hardened chrome vanadium steel.
 - High precision black point tip.

Size	Bit	mm	mm	mm	mm	Inner Ctn.	Outer Ctn.
SDV1 × 75	SDV No.1	75	5	28	172	6	—
SDV2 × 100	SDV No.2	100	6	31	204	6	—
SDV3 × 150	SDV No.3	150	8	35	265	6	—

● Various bits are available in addition to screwdrivers.

No.370 Non-Slip Tang-Thru Screwdriver



- MG**
Magnetic
- Original non-slip processing to prevent slipping even when covered in oil.
 - Tang-Thru shank with large end cap. For heavy-duty work.
 - Tip can be quickly identified by the coupling at the handle end.

Size	mm	mm	mm	mm	mm	mm	Inner Ctn.	Outer Ctn.
⊖ 5.5 × 75	5.5	0.8	75	5.5	27.4	183	12	120
⊖ 6 × 100	6.0	0.9	100	6.4	30.7	226	12	240
⊖ 8 × 150	8.0	1.1	150	8.0	36.2	290	6	120
⊕ 1 × 75	⊕ No.1	75	5.5	27.4	183	12	120	
⊕ 2 × 100	⊕ No.2	100	6.4	30.7	226	12	240	
⊕ 3 × 150	⊕ No.3	150	8.0	36.2	290	6	120	


No.4600 POZIDRIV® Screwdriver




- MG**
Magnetic
- Fully hardened chrome vanadium steel.
 - High precision black point tip.

Size	Bit	mm	mm	mm	mm	Inner Ctn.	Outer Ctn.
PZ1 × 75	PZ No.1	75	5	28	172	6	—
PZ2 × 100	PZ No.2	100	6	31	204	6	—
PZ3 × 150	PZ No.3	150	8	35	265	6	—

● Various bits are available in addition to screwdrivers.


SUPADRIV®

The basic shape is a cross recess of 4 equally-thick blades. The drive faces that the screwdriver contacts inside the recess are almost perpendicular, which raises drive efficiency and minimizes slipping. Further enhances the torque transfer and anti-CAM-OUT properties of the POSIDRIV to deliver a higher tightening effect.


POZIDRIV®

Same as the SUPADRIV, the basic shape is a cross recess of 4 equally-thick blades. This prevents annoying CAM-OUT and transmits strong torque to the screw.

※ POSIDRIV and SUPADRIV are patented by and registered trademarks of EIS Corp. in the UK.
Vessel is licensed by EIS Corp. to use the technology.

Plastic Grip Screwdrivers

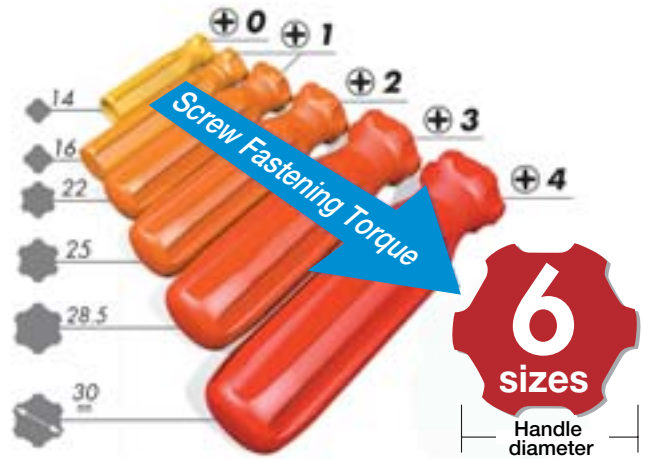
Wide & Thin Shank

VESSEL makes screwdrivers of varying widths from wide to thin for working in hard-to-reach and cramped places.



Balanced Handle Design

VESSEL has a broad lineup of grip sizes for matching to screw diameters. A proper grip size prevents over- and under-tightening.



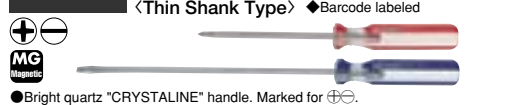
No.6300 "CRYSTALINE" Screwdriver



- Bright quartz "CRYSTALINE" handle. Marked for $\oplus\ominus$.
- Fully hardened chrome vanadium steel.

Size	mm		mm		mm		Inner Ctn.	Outer Ctn.
	mm	mm	mm	mm	mm	mm		
$\ominus 4.5 \times 50$	4.5	0.6	50	5.0	22.0	138	12	240
$\ominus 5.5 \times 75$	5.5	0.7	75	5.5	22.0	163	12	240
$\ominus 6 \times 100$	6.0	0.8	100	6.0	25.0	198	12	240
$\ominus 7 \times 125$	7.0	0.9	125	7.0	28.5	238	12	120
$\ominus 8 \times 150$	8.0	1.0	150	8.0	28.5	263	12	120
$\ominus 9 \times 200$	9.0	1.1	200	9.0	30.0	320	6	60
$\ominus 10 \times 250$	10.0	1.2	250	9.0	30.0	370	6	60
$\ominus 10 \times 300$	10.0	1.2	300	9.0	30.0	420	6	60
$\oplus 1 \times 75$	\oplus No.1	75	5.0	22.0	163	12	240	
$\oplus 2 \times 100$	\oplus No.2	100	6.0	25.0	198	12	240	
$\oplus 3 \times 150$	\oplus No.3	150	8.0	28.5	263	12	120	
$\oplus 4 \times 200$	\oplus No.4	200	9.0	30.0	320	6	60	

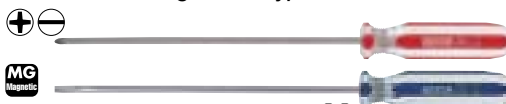
No.6100 "CRYSTALINE" Screwdriver



- Bright quartz "CRYSTALINE" handle. Marked for $\oplus\ominus$.
- Thin shank screwdriver. Ideal for working in cramped places.
- Fully hardened chrome vanadium steel.

Size	mm		mm		mm		Inner Ctn.	Outer Ctn.
	mm	mm	mm	mm	mm	mm		
$\ominus 4 \times 50$	4.0	0.45	50	4.0	16	123	12	240
$\ominus 4 \times 75$	4.0	0.45	75	4.0	16	148	12	240
$\ominus 4 \times 100$	4.0	0.45	100	4.0	16	173	12	240
$\ominus 4 \times 125$	4.0	0.45	125	4.0	16	198	12	120
$\ominus 4 \times 150$	4.0	0.45	150	4.0	16	223	12	120
$\ominus 4 \times 200$	4.0	0.45	200	4.0	16	273	12	120
$\oplus 0 \times 75$	\oplus No.00	75	3.0	16	148	12	240	
$\oplus 0 \times 75$	\oplus No. 0	75	4.0	16	148	12	240	
$\oplus 0 \times 100$	\oplus No. 0	100	4.0	16	173	12	240	
$\oplus 0 \times 150$	\oplus No. 0	150	4.0	16	223	12	120	
$\oplus 0 \times 200$	\oplus No. 0	200	4.0	16	273	12	120	
$\oplus 1 \times 75$	\oplus No. 1	75	4.0	16	148	12	240	
$\oplus 1 \times 100$	\oplus No. 1	100	4.0	16	173	12	240	
$\oplus 1 \times 150$	\oplus No. 1	150	4.0	16	223	12	120	
$\oplus 1 \times 200$	\oplus No. 1	200	4.0	16	273	12	120	
$\oplus 2 \times 200$	\oplus No. 2	200	4.0	16	273	12	120	
$\oplus 2 \times 250$	\oplus No. 2	250	4.0	16	323	12	120	

No.6300 "CRYSTALINE" Screwdriver



- Bright quartz "CRYSTALINE" handle. Marked for $\oplus\ominus$.
- Long shank for hard-to-reach fasteners.
- Fully hardened chrome vanadium steel.


Size	mm		mm		mm		Inner Ctn.	Outer Ctn.
	mm	mm	mm	mm	mm	mm		
$\ominus 5 \times 150$	5.0	0.7	150	4.8	25.0	248	12	120
$\ominus 5 \times 200$	5.0	0.7	200	4.8	25.0	298	12	120
$\ominus 5 \times 250$	5.0	0.7	250	4.8	25.0	348	12	120
$\oplus 1 \times 150$	\oplus No.1	150	4.8	25.0	248	12	120	
$\oplus 1 \times 200$	\oplus No.1	200	4.8	25.0	298	12	120	
$\oplus 1 \times 250$	\oplus No.1	250	4.8	25.0	348	12	120	
$\oplus 2 \times 150$	\oplus No.2	150	6.0	25.0	248	12	120	
$\oplus 2 \times 200$	\oplus No.2	200	6.0	25.0	298	12	120	
$\oplus 2 \times 250$	\oplus No.2	250	6.0	25.0	348	12	120	

No.6200 "CRYSTALINE" Screwdriver



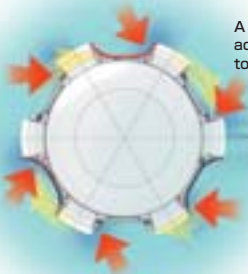
- Bright quartz "CRYSTALINE" handle. Marked for $\oplus\ominus$.
- Ideal for working in cramped places.
- Fully hardened chrome vanadium steel.

Size	mm		mm		mm		Inner Ctn.	Outer Ctn.
	mm	mm	mm	mm	mm	mm		
$\ominus 6 \times 38$	6	0.8	38	6.0	28.5	86.0	12	240
$\oplus 1 \times 38$	\oplus No. 1	38	6.0	28.5	86.0	12	240	
$\oplus 2 \times 38$	\oplus No. 2	38	6.0	28.5	86.0	12	240	

 Choose a screwdriver that fits the screw. The wrong size screwdriver can strip the screw hole.

Products marked with ★ come with and without barcode labels. For barcode labeled types, indicate "B-000" in your order. (Minimum shipping size for barcode labeled products is indicated in the ※ column.)

Plastic Grip Screwdrivers



A hexagonal cross-section accurately transmits torque to the screw.

Transparent, oil-resistant and wear-resistant cellulose acetate resin.

Square shank type.

Metal plate to maintain grip on the screw when hammered from the rear end.



Cut to reduce burden on the palm of the hand.



No.6900 "CRYSTALINE" Screwdriver <Precision Type> ◆Barcode labeled



- Bright quartz "CRYSTALINE" handle. Marked for ⊕⊖.
- For intense precision work.
- Handle butt is recessed to allow pressing with fingertips.
- Fully hardened chrome vanadium steel.

Size	mm	mm	mm	mm	mm	mm	Inner Ctn.	Outer Ctn.
⊖ 2.5 × 50	2.5	0.35	50	3.0	14	100	24	240
⊖ 2.5 × 75	2.5	0.35	75	3.0	14	125	24	240
⊖ 2.5 × 100	2.5	0.35	100	3.0	14	150	24	240
⊕ 0 × 75	⊕ No. 0	75	3.0	14	125	24	240	

No.6600 "WHISKY COLOR LINE" Screwdriver



- Black lines on "WHISKY COLOR LINE" handle. ●Square shank for wrench gripping.
- Metal plate incorporated into the handle front end to maintain a grip on the screw.
- Fully hardened chrome vanadium steel.

Size	mm	mm	mm	mm	mm	mm	Inner Ctn.	Outer Ctn.
⊖ 5.5 × 75	5.5	0.7	75	5.0	20.5	160	12	240
⊖ 6 × 100	6.0	0.8	100	6.0	24.0	195	12	240
⊖ 8 × 150	8.0	1.0	150	8.0	28.5	260	12	120
⊕ 1 × 75	⊕ No.1	75	5.0	20.5	160	12	240	
⊕ 2 × 100	⊕ No.2	100	6.0	24.0	195	12	240	
⊕ 3 × 150	⊕ No.3	150	8.0	28.5	260	12	120	

No.6250 Mini Stubby Screwdriver (Product code for barcode labeled type is No.B-6250.)



- Handy screwdriver for small tightening jobs.
- Ideal for working in very cramped places.

Size	mm	mm	mm	mm	mm	mm	Inner Ctn.	Outer Ctn.	※
★ ⊖ 5 × 15	5.0	0.6	15	5.0	24	34	12	120	60
★ ⊕ 2 × 15	⊕ No. 2	15	5.0	24	34		12	120	60

No.6400 "WHISKY COLOR LINE" Screwdriver <Thin Shank Type>



- Black lines on "WHISKY COLOR LINE" handle Square shank.
- Thin shank screwdriver. Ideal for working in cramped places.
- Fully hardened chrome vanadium steel.

Size	mm	mm	mm	mm	mm	mm	Inner Ctn.	Outer Ctn.
⊖ 4 × 100	4.0	0.45	100	3.6	16	176	12	240

No.6700 Socket Line Driver Patented



- For fastening and unfastening hexagon bolts and nuts.
- Chrome vanadium steel socket. Hexagon bolster for wrench gripping.
- Handy deep hexagon socket for easy on-off.

Size	mm	mm	mm	mm	mm	mm	mm	mm	Inner Ctn.	Outer Ctn.
A/F 6 × 110	6.0	9.5	20	110	5.5	23.0	202	8	6	240
A/F 8 × 125	8.0	12.0	25	125	6.0	25.5	227	10	6	120
A/F 12 × 150	12.0	16.5	28	150	8.0	30.0	265	14	6	120

No.6500 "WHISKY COLOR LINE" Screwdriver <Stubby Type>



- Black lines on "WHISKY COLOR LINE" handle.
- Square shank.
- Ideal for working in cramped places.
- Fully hardened chrome vanadium steel.

Size	mm	mm	mm	mm	mm	mm	Inner Ctn.	Outer Ctn.
⊖ 6 × 38	6.0	0.8	38	6.0	28.5	86	12	240
⊕ 1 × 38	⊕ No.1	38	6.0	28.5	86	12	240	
⊕ 2 × 38	⊕ No.2	38	6.0	28.5	86	12	240	

Plastic Grip Screwdrivers

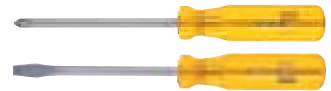
No.7600 "PAIR-LINE" Screwdriver



- Plastic handle with Tang-Thru shank.
- Fully hardened shank.

Size	Tang		Tang-Thru	Shank	Shank	Shank	Inner Ctn.	Outer Ctn.
	mm	mm						
⊖ 4.5 × 50	4.5	0.6	50	5.0	21.5	135	12	120
⊖ 5.5 × 75	5.5	0.7	75	5.5	21.5	160	12	120
⊖ 6 × 100	6.0	0.8	100	6.0	25.0	196	12	120
⊖ 8 × 150	8.0	1.0	150	8.0	28.5	260	6	60
⊕ 1 × 75	⊕ No.1	75	5.0	21.5	160	12	120	
⊕ 2 × 100	⊕ No.2	100	6.0	25.0	196	12	120	
⊕ 3 × 150	⊕ No.3	150	8.0	28.5	260	6	60	

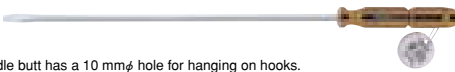
No.1300 Plastic Grip Screwdriver



- Popular ordinary screwdriver.
- Clear candy-colored plastic handle.

Size	Tang		Tang-Thru	Shank	Shank	Shank	Inner Ctn.	Outer Ctn.
	mm	mm						
⊖ 5.5 × 75	5.5	0.7	75	5.0	20	154	12	240
⊖ 6 × 100	6.0	0.8	100	6.0	23	191	12	240
⊖ 8 × 150	8.0	1.0	150	7.0	26	251	12	—
⊖ 9 × 200	9.0	1.1	200	7.5	26	295	12	—
⊖ 10 × 300	10.0	1.2	300	9.0	29	410	6	—
⊕ 1 × 75	⊕ No.1	75	5.0	20	154	12	240	
⊕ 2 × 100	⊕ No.2	100	6.0	23	191	12	240	
⊕ 3 × 150	⊕ No.3	150	7.0	26	251	12	—	

No.6603 Long Square Shank Screwdriver



- Handle butt has a 10 mm φ hole for hanging on hooks.
- 450 mm-long square shank.
- Fully hardened toughened steel.
- Double-grip handle for two-sided turning. Effective with high strength tightening.
- For fastening screws of sanitary appliances, etc.

Size	Tang		Tang-Thru	Shank	Shank	Shank	Inner Ctn.	Outer Ctn.
	mm	mm						
⊖ 9 × 450	9.0	1.2	450	8	160	28.5	610	6
⊕ 2 × 450	⊕ No.2	450	6	160	28.5	610	—	6
⊕ 3 × 450	⊕ No.3	450	8	160	28.5	610	—	6

No.1000 Plastic Handle Screwdriver



<Thin Shank Type>

(Product code for barcode labeled type is B-1000.)



- Popular ordinary screwdriver.
- Long shank screwdriver. Ideal for precision work with TVs, radios, sewing machines, etc.
- Clear candy-colored plastic handle.

Size	Tang		Tang-Thru	Shank	Shank	Shank	Inner Ctn.	Outer Ctn.	※
	mm	mm							
★ ⊖ 4 × 50	4.0	0.45	50	4.0	15.3	124	12	240	60
★ ⊖ 4 × 75	4.0	0.45	75	4.0	15.3	149	12	240	60
★ ⊖ 4 × 100	4.0	0.45	100	4.0	15.3	174	12	240	60
★ ⊖ 4 × 125	4.0	0.45	125	4.0	15.3	199	12	120	60
★ ⊖ 4 × 150	4.0	0.45	150	4.0	15.3	224	12	120	60
★ ⊖ 4 × 200	4.0	0.45	200	4.0	15.3	274	12	120	60
★ ⊕ 00 × 75	⊕ No.00	75	3.0	15.3	149	12	240	60	
★ ⊕ 0 × 75	⊕ No. 0	75	4.0	15.3	149	12	240	60	
★ ⊕ 1 × 75	⊕ No. 1	75	4.0	15.3	149	12	240	60	

No.6603A 3 PC. Set of Long Square Shank Screwdrivers



- 3-piece set in vinyl package.

Grip Dia. mm	Grip Length mm	Overall Length mm	Set content			
			Slotted (—)	Phillips (+)	Inner Ctn.	Outer Ctn.
28.5	160	610	⊖ 9 × 450	⊕ 2 × 450 / ⊕ 3 × 450	—	10

No.6650 "WHISKY-LINE" Screwdriver



- Black lines on "WHISKY-LINE" handle.
- Tube-covered shank. ● Fully hardened chrome vanadium steel.

Size (Tip × Tube O.D. × Shank length)	Tang		Tang-Thru	Shank	Shank	Shank	Tube	Tube	Inner Ctn.	Outer Ctn.
	mm	mm								
⊖ 5 × 7 × 200	5.0	0.7	200	4.8	24	297	195	7.0	6	60
⊖ 6.5 × 8.3 × 200	6.4	0.8	200	6.4	28.5	312	193	8.3	6	60
⊕ 1 × 5.3 × 100	⊕ No.1	100	4.0	20.5	187	90	5.3	6	60	
⊕ 2 × 8.3 × 200	⊕ No.2	200	6.4	28.5	312	188	8.3	6	60	

No.1200 Plastic Handle Screwdriver

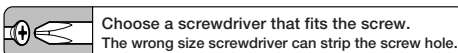


<Stubby Type>



- Ideal for working in cramped places.
- Clear candy-colored plastic handle.
- Popular ordinary screwdriver.

Size	Tang		Tang-Thru	Shank	Shank	Shank	Inner Ctn.	Outer Ctn.
	mm	mm						
⊖ 6 × 38	6.0	0.8	38	6.3	31.5	85	12	240
⊕ 1 × 38	⊕ No.1	38	6.3	31.5	85	12	240	
⊕ 2 × 38	⊕ No.2	38	6.3	31.5	85	12	240	



Choose a screwdriver that fits the screw.
The wrong size screwdriver can strip the screw hole.

Products marked with ★ come with and without barcode labels.
For barcode labeled types, indicate "B-000" in your order.
(Minimum shipping size for barcode labeled products is indicated in the ※ column.)

Plastic Grip Screwdrivers

No.670 Plastic Handle Hex Screwdriver



- Different color handles according to bit size. Easy to identify.
- For hexagon recess bolts.

Size	mm		mm		mm		Inner Ctn.	Outer Ctn.
	mm	mm	mm	mm	mm	mm		
A/F 3 × 50	3.0	—	50	—	17	120	12	—
A/F 6 × 75	6.0	—	75	—	20	155	12	—

No.1700 Plastic Handle Socket Driver



- Different color handles according to bit size. Easy to identify.
- For fastening and unfastening hexagon bolts and nuts.

Size	mm		mm		mm		Inner Ctn.	Outer Ctn.
	mm	mm	mm	mm	mm	mm		
A/F 5 × 75	5.0	8.0	75	7.0	20	155	10	—
A/F 5.5 × 75	5.5	9.0	75	7.0	20	155	10	—
A/F 6 × 75	6.0	9.0	75	8.0	20	155	10	—
A/F 7 × 75	7.0	10.0	75	8.0	20	155	10	—
A/F 8 × 75	8.0	12.0	75	9.0	20	155	10	—
A/F 9 × 75	9.0	13.0	75	9.0	20	155	10	—
A/F 10 × 75	10.0	14.0	75	10.0	20	155	10	—

No.1900 Plastic Handle Screwdriver <Precision Type> [Blow case package]



- For intense precision work.
- 50 screwdrivers per set.

Size	mm		mm		mm		Inner Ctn.	Outer Ctn.
	mm	mm	mm	mm	mm	mm		
⊖ 2.5 × 50	2.5	0.35	50	3.0	11	95	—	3
⊖ 2.5 × 65	2.5	0.35	65	3.0	11	110	—	3
⊖ 2.5 × 90	2.5	0.35	90	3.0	11	135	—	3
⊕ 0 × 65	⊕ No. 0	—	65	3.0	11	110	—	3

No.730 Black Point Screwdriver



- Fully hardened chrome vanadium steel.
- High precision black point tip.
- Ideal for accurate driving at deep and limited place.

Size	mm		mm		mm		Inner Ctn.	Outer Ctn.
	mm	mm	mm	mm	mm	mm		
⊖ 5.5 × 75	5.5	0.7	75	5.5	21.0	162	12	240
⊖ 8 × 150	8.0	1.0	150	8.0	27.0	260	12	120
⊕ 3 × 150	⊕ No. 3	—	150	8.0	27.0	260	12	120

No.730 Black Point Screwdriver <Long Shank Type>

Size	mm		mm		mm		Inner ctn.	Outer ctn.
	mm	mm	mm	mm	mm	mm		
⊕ 1 × 150	⊕ No. 1	—	150	5.0	21.0	237	12	120

No.720 Black Point Screwdriver <Stubby Type>



- 25 mm-long shank. Ideal for working in cramped places.
- High precision black point tip.

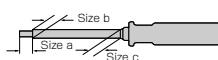
Size	mm		mm		mm		Inner Ctn.	Outer Ctn.
	mm	mm	mm	mm	mm	mm		
⊕ 1 × 25	⊕ No. 1	—	25	6.0	28.5	73	12	240

No.800 Insulated Shank Screwdriver



- Resin-covered shank.
- Chrome vanadium steel.
- ⊕ ⊖ marked on handle end.
- Idea for electrical work or maintenance and checks of computers, etc.

Size	mm		mm		Detail size			Inner ctn.	Outer ctn.	
	mm	mm	mm	mm	a mm	b mm	c mm			
⊖ 8 × 150	8.0	1.1	150	27.0	268	16	9.6	11.4	6	60
⊕ 3 × 150	⊕ No. 3	—	150	27.0	268	16	9.6	11.4	6	60



⚠ WARNING

- This screwdriver is not insulated. 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.

Wooden Handle Screwdrivers

The good texture comes from carefully selected wood.



VESSEL uses only high quality hard wood that has been dried to balance moisture content with external humidity. This prevents cracking, warping and ultimately shank rusting.

Black point treatment



High precision tips that are unaffected by plating thickness.

Powerful Tang-Through shank with large end cap



Materials for the end cap are carefully selected and heat-treated to stand up to hammering, before coupling to the shank. In this way, striking force is transmitted to the shank without damaging the end cap.

No.100 Powerful Tang-Through Screwdriver

◆Barcode labeled



- Wooden handle and Tang-Through shank with thick end cap.
- Easy-to-grip handle is long with a large outer diameter.
- Fully hardened chrome vanadium steel.
- Black point tip.

Size	mm		mm		mm		Inner Ctn.	Outer Ctn.
	mm	mm	mm	mm	mm	mm		
⊖5.5×75	5.5	0.8	75	5.8	27.0	182.5	6	120
⊖6×100	6.0	0.9	100	6.4	30.5	223.0	6	120
⊖6×300	6.0	0.9	300	6.4	30.5	423.0	6	60
⊖8×150	8.0	1.1	150	8.0	34.0	294.4	6	120
⊕1×75	⊕No.1	75	5.8	27.0	182.5	6	120	
⊕2×100	⊕No.2	100	6.4	30.5	223.0	6	120	
⊕2×300	⊕No.2	300	6.4	30.5	423.0	6	60	
⊕3×150	⊕No.3	150	8.0	34.0	294.4	6	120	

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

◆Barcode labeled (▲Indicates without barcode label type.)



- Wooden Handle and Tang-Through shank.
- Long shank for hard-to-reach fasteners.
- Red mark on handle butt.

Size	mm		mm		mm		Inner Ctn.	Outer Ctn.
	mm	mm	mm	mm	mm	mm		
▲⊖4.5×250	4.5	0.6	250	5.0	25	352	12	120
▲⊖4.5×300	4.5	0.6	300	5.0	25	402	12	120
⊖6×200	6.0	0.8	200	6.3	28	320	12	120
⊖6×250	6.0	0.8	250	6.3	28	370	12	120
⊖6×300	6.0	0.8	300	6.3	28	420	12	120
▲⊕1×200	⊕No.1	200	5.0	25	302	12	120	
▲⊕1×250	⊕No.1	250	5.0	25	352	12	120	
⊕2×200	⊕No.2	200	6.3	28	320	12	120	
⊕2×250	⊕No.2	250	6.3	28	370	12	120	
⊕2×300	⊕No.2	300	6.3	28	420	12	120	

No.350 Wooden Handle Tang-Through Screwdriver

◆Barcode labeled



- Wooden handle and Tang-Through shank with large end cap.
- Shot blasting tip.

Size	mm		mm		mm		Inner Ctn.	Outer Ctn.
	mm	mm	mm	mm	mm	mm		
⊖4.5×50	4.5	0.6	50	5.0	25	153	12	120
⊖5.5×75	5.5	0.7	75	5.5	25	178	12	120
⊖6×100	6.0	0.8	100	6.3	28	218	12	240
⊖7×125	7.0	0.9	125	7.0	33	258	6	120
⊖8×150	8.0	1.0	150	8.0	33	283	6	120
⊖9×200	9.0	1.1	200	9.0	36	355	6	60
⊖10×250	10.0	1.2	250	9.0	36	405	6	60
⊖10×300	10.0	1.2	300	9.0	36	455	6	60
⊕0×75	⊕No.0	75	5.0	25	178	12	120	
⊕1×75	⊕No.1	75	5.0	25	178	12	120	
⊕2×100	⊕No.2	100	6.3	28	218	12	240	
⊕3×150	⊕No.3	150	8.0	33	283	6	120	
⊕4×200	⊕No.4	200	9.0	36	355	6	60	

No.310 Wooden Handle standard Shank Screwdriver

◆Barcode labeled (▲Indicates without barcode label type.)



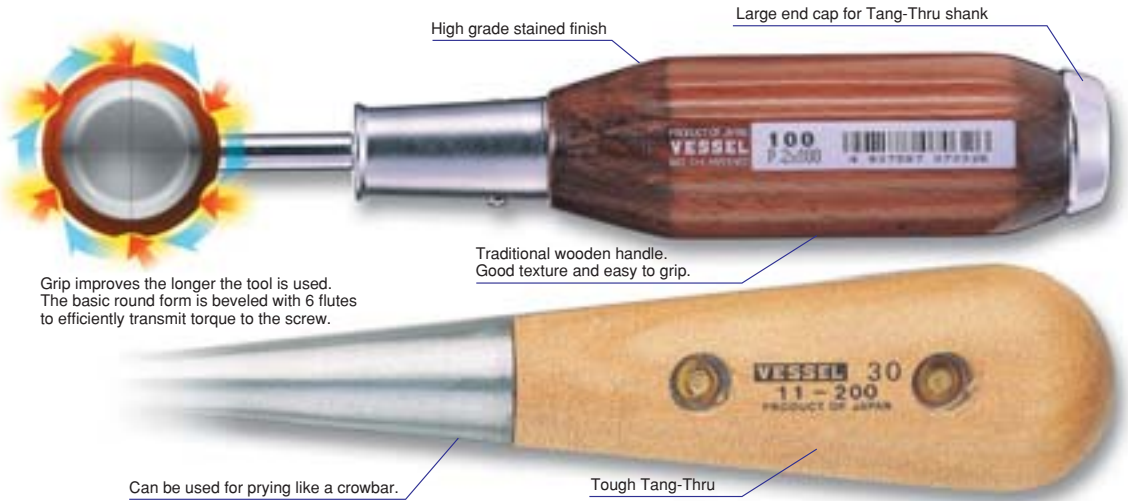
- Popular ordinary wooden handle screwdriver.
- Mahogany colored handle. Easy-to-grip texture and shape. ● Shot blasting tip.

Size	mm		mm		mm		Inner Ctn.	Outer Ctn.
	mm	mm	mm	mm	mm	mm		
⊖5.5×75	5.5	0.7	75	5.5	25	181	12	120
⊖6×100	6.0	0.8	100	6.3	28	225	12	240
⊖7×125	7.0	0.9	125	7.0	33	267	6	120
⊖8×150	8.0	1.0	150	8.0	33	292	6	120
▲⊖10×300	10.0	1.2	300	9.0	35	463	6	60
▲⊕0×75	⊕No.0	75	5.0	23	170	12	120	
⊕1×75	⊕No.1	75	5.0	23	170	12	120	
⊕2×100	⊕No.2	100	6.3	28	225	12	240	
⊕3×150	⊕No.3	150	8.0	33	292	6	120	



Choose a screwdriver that fits the screw.
The wrong size screwdriver can strip the screw hole.

Wooden Handle Screwdrivers



Grip improves the longer the tool is used. The basic round form is beveled with 6 flutes to efficiently transmit torque to the screw.

Heavy Duty Screwdriver in military use.

No.110 Wooden Handle Socket Driver

◆Barcode labeled



- For fastening and unfastening hexagon bolts and nuts.
- Tip is made of specially treated steel to enhance wear resistance.
- Wide variations available

Size	Hexagon		Hexagon	Hexagon	Hexagon	Hexagon	Hexagon	Hexagon	Inner Ctn.	Outer Ctn.
	mm	mm								
Sides 4 X 75	4.0	6.3	12	7.5	6.3	23	170	12	—	—
Sides 5 X 115	5.0	8.0	18	11.5	5.0	23	210	12	120	—
Sides 5.5 X 115	5.5	9.0	18	11.5	5.0	23	210	12	120	—
Sides 6 X 115	6.0	9.0	18	11.5	5.5	25	220	12	240	—
Sides 7 X 125	7.0	10.0	18	12.5	5.5	25	230	12	120	—
Sides 8 X 125	8.0	12.0	20	12.5	5.5	25	230	12	120	—
Sides 9 X 125	9.0	12.7	20	12.5	6.3	28	250	12	120	—
Sides 10 X 125	10.0	14.3	20	12.5	6.3	28	250	12	120	—
Sides 11 X 125	11.0	15.0	20	12.5	6.3	28	250	12	120	—
Sides 12 X 150	12.0	17.0	20	15.0	8.0	33	292	6	—	—
Sides 13 X 150	13.0	19.0	22	15.0	8.0	33	292	6	—	—
Sides 14 X 150	14.0	19.0	22	15.0	8.0	33	292	6	—	—
Sides 17 X 150	17.0	23.0	22	15.0	9.0	35	313	6	—	—

No.250 Wooden Handle Stubby Screwdriver



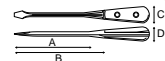
- Ideal for working in cramped places.
- Good grip handle

Size	Hexagon						Inner Ctn.	Outer Ctn.
	mm	mm	mm	mm	mm	mm		
⊕ 1 X 38	⊕ No.1	38	6.3	30	93	12	240	

No.30 "SPLIT" Handle Screwdriver



- Joined Tang-Thru shank and handle. Super strong type.
- Defense Agency Standard-compliant product.

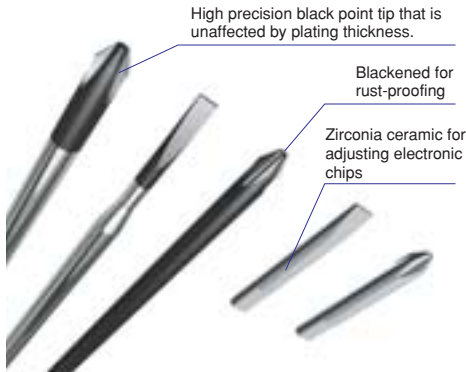


Size	Hexagon		Hexagon	A	B	C	D	Hexagon	Inner Ctn.	Outer Ctn.
	mm	mm								
⊖ 9.5 X 150	9.5	1.2	9.5	145	190	35	29	285	6	120
⊖ 11 X 200	11	1.2	11	195	255	38	32	360	6	120

Precision Screwdrivers

Screw Fastening for Precision Fields

Screw fastening in precision fields depends entirely on worker skill and tool quality. VESSEL precision screwdrivers deliver smooth torque transmission from tool to screw on a base of ergonomic design and precision-processed tips.



Handle designed for turning in a stable position

Micro Screwdriver

Can be used for anything from minor to major tightening. Various holding positions possible.

MicroTurn Screwdriver

Tightening can be done by turning the 4 wings.

Ceramic Screwdriver

Reversible bit (No. 9001). Available in 4 sizes.



No.9900 Micro Screwdriver Patented

◆Barcode labeled [With S hanger]



- Handle is fitted with turning cap for fast turning.
- Fully hardened chrome vanadium steel

Size	Tip						Inner Ctn.	Outer Ctn.
	mm	mm	mm	mm	mm	mm		
⊖ 1.8×50	1.8	0.25	50	2.5	10	145	10	120
⊖ 2.5×75	2.5	0.35	75	2.5	10	170	10	120
⊖ 3×100	3	0.45	100	3	10	195	10	120
⊖ 3×150	3	0.45	150	3	10	245	10	120
⊕ 00×75	⊕	No.00	75	2.5	10	170	10	120
⊕ 0×100	⊕	No.0	100	3	10	195	10	120
⊕ 0×150	⊕	No.0	150	3	10	245	10	120

No.205 Precision Screwdriver



- Ideal for fastening and unfastening miniature screws
- Metallic handle can be freely turned from the butt end, therefore finger pressure is sufficient for maintaining the position while turning.
- For repair and assembly of watches, cassettes, radios, glasses, precision equipment, plastic models, etc.

Size	Shank length mm	Tip width mm	Shank Dia. mm	Grip Dia. mm	Overall length mm	Inner Ctn.	Outer Ctn.
⊖ 3.5	33	3.5	3.5	8.0	126	10	—
⊖ 3.0	29	3.0	3.0	7.0	114	10	—
⊖ 2.3	26	2.3	2.3	6.0	104	10	—
⊖ 1.8	23	1.8	1.8	5.0	94	10	—
⊖ 1.2	20	1.2	1.2	4.5	85	10	—
⊖ 0.9	16	0.9	0.9	3.5	78	10	—
⊕ No. 0	33	⊕0	3.0	8.0	126	10	—
⊕ No.00	29	⊕00	2.4	7.0	114	10	—

No.9902 No.9903 3-Piece Micro Screwdriver Set

◆Barcode labeled [Blister package]



- 2 types for screw tightening in precision fields
- Set of often used sizes ● For adjustment and repair of precision equipment, electric equipment, glasses, watches, etc.
- PET blister package doubles as storage case.

No.9902 3-Piece Micro Screwdriver Set

Set content	No.9900 ⊕00×75	No.9900 ⊕0×100	No.9900 ⊖1.8×50	Card size	Inner Ctn.	Outer Ctn.
	1	1	1	235×70mm	5	30

No.9903 3-Piece Micro Screwdriver Set

Set content	No.9900 ⊕00×75	No.9900 ⊖2.5×75	No.9900 ⊖3×100	Card size	Inner Ctn.	Outer Ctn.
	1	1	1	235×70mm	5	30

No.206 No.207 6-Piece Precision Screwdriver Set

[Comes with plastic case]



- Ideal for fastening and unfastening miniature screws ● Metallic handle can be freely turned from the butt end, therefore finger pressure is sufficient for maintaining the position while turning. ● For repair and assembly of watches, cassettes, radios, glasses, precision equipment, plastic models, etc. ● Plastic case included

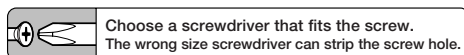
No.206 6-Piece Precision Screwdriver Set

Slotted tip width	Case size	Inner Ctn.	Outer Ctn.
⊖0.9/1.2/1.8/2.3/3.0/3.5mm	133×90mm	10	100

No.207 6-Piece Precision Screwdriver Set

Slotted tip width	Phillips ⊕	Case size	Inner Ctn.	Outer Ctn.
⊖0.9/1.2/1.8/2.3mm	⊕00/⊕0	133×90mm	10	100

Can be fitted with a hanger.



Choose a screwdriver that fits the screw. The wrong size screwdriver can strip the screw hole.

Precision Screwdrivers



For adjustment of audio equipment, computers, communication equipment and electronic components

Made with durable zirconia ceramic



Turning cap enables smooth work.

High precision processing to assuredly bite the screw



One-touch Replacement 4 blades in One. (No. 9001)

Swivel designed for smooth tightening

No.TD-35 Microturn Screwdriver

◆Barcode labeled [Sliding type package]



- Ideal for screw tightening in precision fields
- Designed for both fast turning and tightening
- High strength precision tip

Size	Tip width mm	Tip thickness mm	Shank Dia. mm	Shank length mm	Grip Dia. mm	Overall length mm	Outer Ctn.
⊖ 1.4	1.4	0.25	1.4	20	13	110	20
⊖ 1.8	1.8	0.3	1.8	20	13	110	20
⊖ 2.3	2.3	0.35	2.3	20	13	110	20
⊕ 00		⊕00	2	20	13	110	20
⊕ 0		⊕0	2.4	20	13	110	20
⊕ 1		⊕1	3	20	13	110	20
Drilling 3 mm	—	—	3	25	13	115	20

No.TD-41 Precision Reversible Blade Screwdriver

◆Barcode labeled [Blister package]



- Compact reversible blades. 1 tool for working with 4 screw sizes.
- For adjustment and repair of watches, glasses, precision equipment, etc. For assembly of plastic models, etc.

Handle diameter at centre (with tip)	Overall length	Reversible blade		
		Both End	Length mm	Inner Ctn. / Outer Ctn.
11 mm	145 mm	⊕00 ⊖0.9 / ⊖1.8 ⊖1.2	71	10 / 60



No.201 Microturn Screwdriver 6

No.202

◆Barcode labeled [Self-stand plastic case]



- Storage case doubles as a stand.
- Designed for both fast turning and tightening.
- High strength precision tip.

No.201 Microturn Screwdriver 6 (Philips and Slotted Set)

Set content	Case size	Inner Ctn.	Outer Ctn.
⊖1.4 · ⊖1.8 · ⊖2.3 · ⊕00 · ⊕0 · ⊕1	135×102mm	10	60

No.202 Microturn Screwdriver 6 (Tweezers and Drill Set)

Set content	Case size	Inner Ctn.	Outer Ctn.
⊖1.4 · ⊖2.3 · ⊕00 · ⊕1 · 3-mm drill & tweezers	135×102mm	10	60

Items also sold separately (No. TD-35). For more information, see page 38.

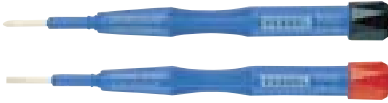
Precision Screwdrivers

No.9000 Ceramic Adjusters

Patented

Barcode labeled [Blister package]

For adjustment of electronic components



- Zirconia ceramic tip
- Non-conductive, non-magnetic. Ideal for high frequency band.
- Smooth turning
- Antistatic agent embedded in handle

Size	Blades						End cap color	Inner Ctn.	Outer Ctn.
	mm	mm	mm	mm	mm	mm			
⊖ 0.9X30	0.9	0.4	30	1.8	10	125	Green	10	60
⊖ 1.3X30	1.3	0.4	30	1.8	10	125	White	10	60
⊖ 1.8X30	1.8	0.4	30	1.8	10	125	Yellow	10	60
⊖ 2.6X30	2.6	0.4	30	2.6	10	125	Red	10	60
⊖ 3.4X15	3.4	0.5	15	3.4	10	115	Black	10	60
⊕ 0 X30	⊕ No.0		30	2.6	10	125	Navy blue	10	60
⊕ 1.7X30	⊕ No.1.7		30	2.6	10	125	Lilac	10	60

No.9001 Ceramic 4 Way Interchangeable Adjusters

Patented

Barcode labeled [Blister package]

For adjustment of electronic components (4WAY)



- Zirconia ceramic blades
- One-touch tip changing. 1 tool 4 uses.
- Holder designed for holding either end down. Antistatic agent embedded.

Handle diameter at center mm	Overall length mm	Blades adapter			Inner Ctn.	Outer Ctn.
		Both End	Length mm	Inner Ctn.		
11	145	⊖0.9/⊕0.9/⊖1.8/⊕2.6	71	10	60	

No.9002 Ceramic 2 Way Interchangeable Adjusters

Patented

Barcode labeled [Blister package]

For adjustment of electronic components (2WAY)



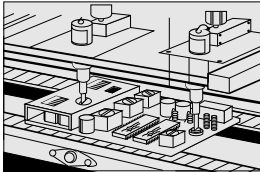
- Zirconia ceramic blades
- One-touch tip changing. 1 tool 2 uses.
- Holder designed for holding either end down. Antistatic agent embedded.

Model No.	Handle diameter at center mm	Overall length mm	Blades adapter			Inner Ctn.	Outer Ctn.
			Both End	Length mm	Inner Ctn.		
9002	11	145	⊖0.9/⊖1.8	71	10	60	
9003	11	145	⊖1.3/⊖2.6	71	10	60	

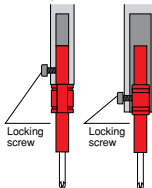
The ceramic blades adapter can be used as a grip.



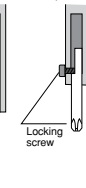
Automatic adjuster



No. CT installation example



No. CA installation example



Automatic adjusters are used widely throughout industry to boost efficiency and reduce the costs of adjustment work. Vessel makes a wide range of products as attachments for automatic adjuster. Before mounting, check the jig outer diameter and total length. Use the above installation example as reference.

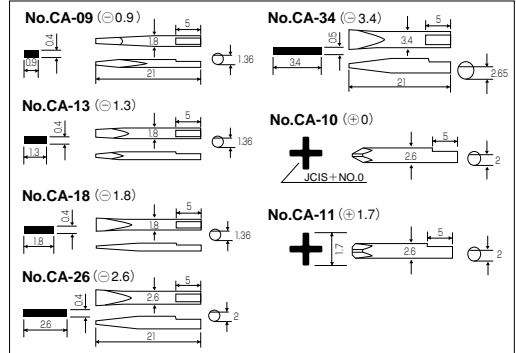
No.CA Individual Ceramic Blades

10 per carton

For automatic adjuster



- Blades for automatic adjuster
- Adjacent No. CT blades may interfere with one another when a narrow installation pitch is used.



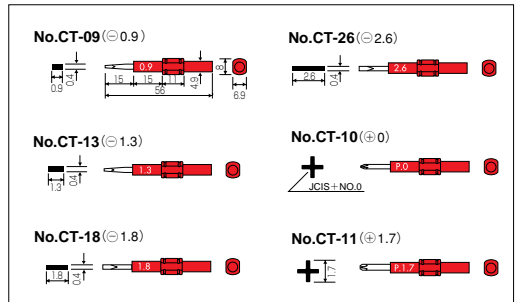
No.CT Ceramic One End Blade Adapters

10 per carton ... 60 per box [Blister package]

For 2-way reversible blades screwdriver and automatic adjuster



- Reversible blades for No. 9002/9003
- Uniform size is convenient for mounting on automatic adjuster.



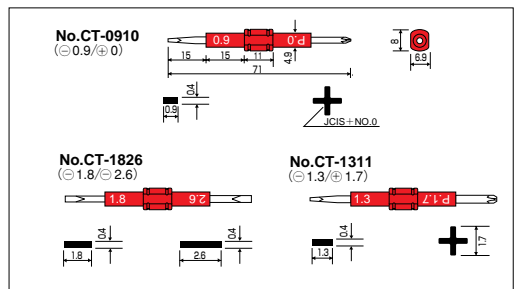
No.CT Ceramic Both End Blade Adapters

10 per carton ... 60 per box [Blister package]

For 4-way reversible blades screwdriver



- Reversible blades for No. 9001. 2-headed ceramic blades on each end.



Choose a screwdriver that fits the screw.
The wrong size screwdriver can strip the screw hole.

No.1850 No.1650 No.1450 "Home Set"

◆Barcode labeled [Blow case]



- Ideal as regular or portable screwdriver set for schools and families
- 3 sizes: large (No. 1450), medium (No. 1650) and small (No. 1850).
- Use according to purpose.
- Plastic handle
- Chucking system for reversible blades changing

No.1850 "Home Set" (4 Pieces)

Grip Dia.	Overall length	Reversible blades			Inner Ctn.	Outer Ctn.
		Slotted ⊖	Phillips ⊕	Awl		
17mm	162mm	⊖3X90/⊖5X90	⊕1X90/⊕2X90		10	20

No.1650 "Home Set" (5 Pieces)

Grip Dia.	Overall length	Reversible blades			Inner Ctn.	Outer Ctn.
		Slotted ⊖	Phillips ⊕	Awl		
20mm	182mm	⊖3X100/⊖5X100	⊕1X100/⊕2X100		10	20

No.1450 "Home Set" (5 Pieces)

Grip Dia.	Overall length	Reversible blades			Inner ctn.	Outer Ctn.
		Slotted ⊖	Phillips ⊕	Awl		
22mm	216mm	⊖3X125/⊖4X125 ⊖6X125	⊕1X125/⊕2X125		10	20

Some sets support hanger hooks. (P.44)

No.1650B "Home Set" (5pc Screwdriver Set)

◆Barcode labeled [Vinyl package]



- Optimum set as teaching aid, household tools, portable tools.
- 5 reversible blades of most frequently used types are in this set.
- Convenient plastic bag for carrying and storage.

Grip Dia.	Overall length	Reversible blades			Inner Ctn.	Outer Ctn.
		Slotted ⊖	Phillips ⊕	Awl		
19mm	190mm	⊖3X100/⊖5X100	⊕1X100/⊕2X100		100	40

No.2100 "PAIR-LINE" Interchangeable Blades Screwdriver

◆Barcode labeled [Vinyl package]



- Can be used widely from precision assembly to regular home use.
- Cellulose acetate resin handle
- Set of often used interchangeable blades
- Handy portable vinyl pouch

Grip Dia.	Overall length	Reversible blades			Inner ctn.	Outer Ctn.
		Slotted ⊖	Phillips ⊕	Awl		
25mm	188mm	⊖4X125/⊖6X125	⊕1X125/⊕2X125		10	40

No.6200W-62 "CRYSTALLINE" Reversible Blades Stubby Screwdriver

◆Barcode labeled [Blister package]

MG
Magnetic

- Colorful crystalline handle
- Reversible blades (⊖6 / ⊕2)
- Ideal for working in cramped places

Grip Dia.	Overall length	Ends	Reversible blades		
			Length	Inner Ctn.	Outer Ctn.
28.5mm	78mm	⊖6 / ⊕2	70mm	—	10

No.6800-MG4 Magnetic Chuck Screwdriver Set

◆Barcode labeled [Blister package]

MG
Magnetic

- Quartz crystalline handle
- Handles can store 4 blades.
- Easy blades on-off by magnetic chucking

Grip Dia.	Grip Length	Overall length	Bits			Inner Ctn.	Outer Ctn.
			Slotted ⊖	Phillips ⊕	Awl		
28mm	90mm	207mm	⊖5X25/⊖7X25	⊕1X25/⊕2X25		5	30

No.660 Cushion Grip Screwdriver

◁Stubby Reversible Blades System▷ Patented
◆Barcode labeled [in blister pack]

MG
Magnetic

- Excellent texture cushion grip handle
- Fully hardened chrome vanadium steel shank.
- Reversible blades (⊖5 / ⊕2)

Grip Dia.	Overall length	Ends	Reversible blades		
			Length mm	Inner Ctn.	Outer Ctn.
35mm	78mm	⊖5 / ⊕2	60	10	60

No.1300L <For low voltage> No.1300H <For high voltage> 6-Piece Electric Detection Screwdriver Set

◆Barcode labeled [Vinyl package]



- Easy blades on-off chucking handle
- Can perform continuity tests using the internal neon light.
- Handy vinyl carrying and storage pouch
- Low voltage type (100 to 220V AC, 100 to 350V DC)
- High voltage type (Allowed voltage: 2500~15,000 V. Only secondary high voltage of internal combustion engine.)

No.1300L 6-Piece Voltage Detecting Set (Low Voltage Type)

Grip Dia.	Overall length	Reversible blades				Inner Ctn.	Outer Ctn.
		Slotted ⊖	Phillips ⊕	Socket	Awl		
25mm	225mm	⊖4X125/⊖6X125	⊕1X125/⊕2X125	⊖5.5X125		125	40

No.1300H 6-Piece Voltage Detecting Set (High Voltage Type)

Grip Dia.	Overall length	Reversible blades			Inner Ctn.	Outer Ctn.
		Slotted ⊖	Phillips ⊕	Awl		
25mm	225mm	⊖3X125/⊖4X125/⊖6X125	⊕1X125/⊕2X125		125	40

Some screwdrivers support hanger hooks. (P.44)

Impact Drivers

Converts impact into rotational force.

When tapped with a hammer, the impact is converted into rotational force. Effective for tightly fastening screws or loosening rusted screws.



If the bit adapter is detached, a 12.7SQ socket can be used.



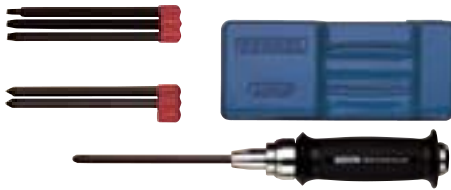
Compact work-balanced grip

Easy one-touch reverse switching

Safety-minded rubber tread grip

No.2300 Impact Driver <Mini Type> Patented

◆Barcode labeled [Steel case]



- One-touch reverse switching
- Soft no-slip resin handle that is easy to grip. Designed for firm gripping.
- Long shank bit. Ideal for hard-to-reach fasteners.
- 6.35 mm bit hexagon socket ●-type
- Easy bit changing

Grip Dia. mm	Tread diameter mm	Overall length mm	Slotted ⊖	Phillips ⊕	Inner Ctn.	Outer Ctn.
32	42	154	⊖ 5X125 / ⊖ 6X125 / ⊖ 7X125	⊕ 1X125 / ⊕ 2X125 / ⊕ 3X125	—	5

Some screwdrivers support hanger hooks. (P.45)

No.2500 Impact Driver [Steel Case]

[Steel Case]



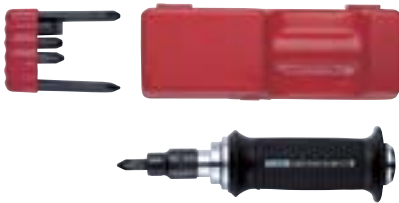
- Effective for tight fastening and loosening rusted screws
- Suited for automobile servicing, and assembly and disassembly of machinery and equipment
- For heavy-duty use
- If the bit adapter is detached, a 12.7 mm socket can be attached.

Grip Dia. mm	Overall length mm	Slotted ⊖	Phillips ⊕	Inner Ctn.	Outer Ctn.	Standard bits (excluding attached ones)
32	190	⊖ 10X36	⊕ 2X36 / ⊕ 3X36 / ⊕ 4X36	—	10	⊖ 8 ⊖ 12 (Length: 36 mm) / ⊖ 8 ⊖ 10 (Length: 80 mm) / ⊕ 2 ⊕ 3 (Length: 80 mm)

Some screwdrivers support hanger hooks. (P.45)

No.2400 Impact Driver Patented

◆Barcode labeled [Steel case]



- One-touch reverse switching
- Soft no-slip resin handle that is easy to grip. Designed for firm gripping.
- For heavy-duty use
- If the bit adapter is detached, a 12.7 mm socket can be attached.

Grip Dia. mm	Tread diameter mm	Overall length mm	Slotted ⊖	Phillips ⊕	Inner Ctn.	Outer Ctn.	Standard bits (excluding attached ones)
37.5	55	176	⊖ 10X36	⊕ 2X36 / ⊕ 3X36 / ⊕ 4X36 / ⊕ 2X80 / ⊕ 3X80	—	5	⊖ 8 ⊖ 12 (Length: 36 mm) / ⊖ 8 ⊖ 10 (Length: 80 mm)

Some screwdrivers support hanger hooks. (P.45)

No.2600A Impact Uni Driver Patented

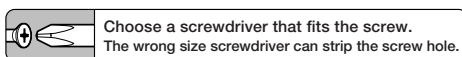
◆Barcode labeled [Steel case]



- Thin handle. Can be used as ordinary screwdriver.
- Long shank bit. Ideal for hard-to-reach fasteners.
- 6.35 mm bit hexagon socket, ●-type
- Easy bit changing

Grip Dia.	Length	Slotted ⊖	Phillips ⊕	Inner Ctn.	Outer Ctn.
26	240	⊖ 5X125 / ⊖ 6X125 / ⊖ 7X125	⊕ 1X125 / ⊕ 2X125 / ⊕ 3X125	—	20

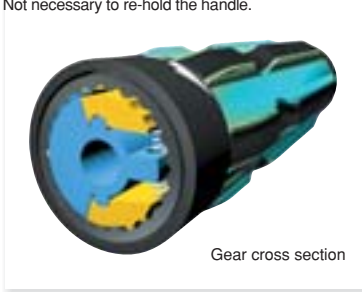
Some screwdrivers support hanger hooks. (P.45)



Ratchet Screwdrivers

Orthodox Ratchet

Screws can be tightened by simply a half-turn of the wrist.
Not necessary to re-hold the handle.



Thanks to high strength ratchet gear, lock-down tightening is available.
Fed to 15°, the tip ensures smooth operation.

Having the colorful metal line, the handle color is changed according to the seeing point.

Ball locking system holds the bit securely. Easy bit on-off.

Reverse switching.

Ideal for working in cramped places.

Magnet type top holds the bit securely. Easy bit on-off.



Reverse switching.

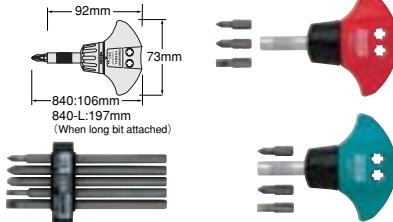
Max. handle diameter. Easy-to-drip handle.

Handles can store bits. (830-MG4)

No.840 Power Ratchet Screwdriver

No.840-L

◆Barcode labeled



MG
Magnetic

- Suited for small jobs such as micro gears.
- New ratchet mechanism. Lock-down tightening OK.
- Handles store 2 bits.

Model No.	Included bits	Body length mm	Inner Ctn.	Outer Ctn.
840	⊕1×25.4 / ⊕2×25.4 / ⊖6×25.4	92	10	60
840-L	⊕1×115 / ⊕2×115 / ⊕3×115 / ⊖4×115 / ⊖6×115 / ⊖6×25.4	92	10	60

No.820W-23 Metal Line Ratchet Screwdriver

No.830MG-4

◆Barcode labeled [Sliding type package]

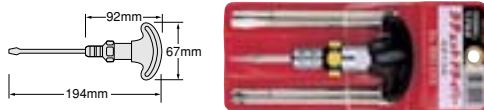


- Lock-down tightening OK. Smooth use with small gears.
- Handle color changes depending on viewing angle.

Model No.	Grip Dia. mm	Body length mm	Bits	Inner Ctn.	Outer Ctn.
820W-23	28.5	77	Double End Bits ⊕2/⊕3 (Length:32mm)	10	60
830-MG4	28.5	167	⊕1 ⊕2 ⊕3 ⊖6 × 25.4mm	5	30

No.880-CK5 Ratchet Screwdriver

◆Barcode labeled [Vinyl package]



- T-bar handle for tight fastening
- Easy bit on-off by magnetic chucking

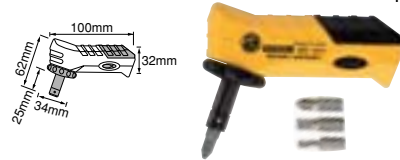
Interchangeable bits	Slotted ⊖	Phillips ⊕	Awl	Inner Ctn.	Outer Ctn.
	⊖4×125/⊖6×125	⊕1×125/⊕2×125			

No.850 Rotary Ratchet Screwdriver

No.850

◆Barcode labeled [Blister package]

Patented



- Speed ring for fingertip-controlled fast turning
- Handles can store bits and the like.

Included bits	Inner Ctn.	Outer Ctn.
⊕1 / ⊕2 / ⊖4 / ⊖6	10	60

No.860 T-Bar Ratchet Screwdriver

No.860

◆Barcode labeled [Sliding type package]



- Ideal for working in cramped places
- One-touch bit changing by ball lock system

Bit content	Double End Bits	Overall length mm	Inner Ctn.	Outer Ctn.
	⊖6 / ⊕2			

No.870-MG4 Ratchet Screwdriver

No.870-MG4

◆Barcode labeled [Blister package]



- Easy bit on-off by magnetic chucking
- Handles can store 4 bits.

Grip Dia. mm	Grip Length mm	Overall length mm	Bit content		Inner Ctn.	Outer Ctn.
			Slotted ⊖	Phillips ⊕		
28	112	227	⊖5×25 / ⊖7×25	⊕1×25 / ⊕2×25	5	30

No.890 Ratchet Screwdriver

No.890

◆Barcode labeled [Sliding type package]



Size	mm		mm	mm	mm	mm	Inner Ctn.	Outer Ctn.
	mm	mm						
⊖5 × 100	5	0.6	100	6.0	28	187	5	30

Electric Detection Screwdrivers & Automatic Screwdrivers

No.80L Voltage Detecting Screwdriver

◆Barcode labeled [Shrink Packaging] <Low Voltage Type>



- Pencil-type voltage detecting screwdriver
- Can be used for continuity tests on lights and electrical wires, as well as oscillation tests for TVs, radios and wireless transmitters, etc. Voltage detection range

Size	Voltage detection range	mm					Inner Ctn.	Outer Ctn.
		Tip	Shank	Cap	Blade	Shaft		
Low voltage detecting screwdriver	100 to 220 V AC 100 to 350 V DC	50	4.0	0.45	13.9	128	10	60

No.90 "HOTARU" Voltage Detecting Screwdriver

◆Barcode labeled [Sliding type package] Patented



- Can detect continuity through cable sheathing. Can simultaneously distinguish between +/-.
- Handle butt lights up to indicate voltage for easy identification.
- Can conform electricity supply by checking the emission of the grip end.
- Checks continuity of distribution boxes, distribution panels and outdoor wiring.

Voltage detection range	mm					Inner Ctn.	Outer Ctn.
	Tip	Shank	Cap	Blade	Shaft		
90 to 500 V AC	45	4.0	0.45	25	123	10	40

No.1300L 6-Piece Voltage Detecting Screwdriver Set

(For low voltage)
No.1300H (For high voltage)
◆Barcode labeled [Vinyl package]



- Easy bit on-off chuck handle
- Can perform continuity tests using the internal neon light.
- Handy vinyl carrying and storage pouch
- Low voltage type (100 to 220V AC, 100 to 350V DC)
- High voltage type (Allowed voltage: 2500 to 15,000 V. Only secondary high voltage of internal combustion engine.)

No.1300L 6-Piece Voltage Detecting Set (Low Voltage Type)

Grip Dia.	Overall length	Interchangeable blades					Inner Ctn.	Outer Ctn.
		Slotted ⊖	Phillips ⊕	Socket	Awl	Cap		
25mm	225mm	⊖4X125/⊖6X125	⊕1X125 / ⊕2X125	⊖5.5X125	125	—	40	

No.1300H 6-Piece Voltage Detecting Set (High Voltage Type)

Grip Dia.	Overall length	Interchangeable blades					Inner Ctn.	Outer Ctn.
		Slotted ⊖	Phillips ⊕	Awl	Cap	Socket		
25mm	225mm	⊖3X125/⊖4X125/⊖6X125	⊕1X125 / ⊕2X125	125	—	40	—	

Some screwdrivers support hanger hooks. (P.44)

⚠ Warnings concerning Voltage Detecting Screwdrivers

- Check the screwdriver lights before use.
- Be careful of shorts and electrical shock.
- Use screwdrivers within voltage detection ranges.
- Do not use screwdrivers when wet with water, oil, etc.

No.1500 Automatic Spiral Ratchet Screwdriver

◆Barcode labeled



- Mahogany colored wooden handle. 240mm long plastic handle that can store bits.
- Beautiful chrome-plated shank.

Size	Overall length	Grip Length	Grip Dia.	Rotations per press	Applicable screws			Inner Ctn.	Outer Ctn.
					Ordinary screw	Ordinary tapping screw	Wood screw		
240	240	102	31.5	1 1/4	1.6~2.3	—	1.6~2.4	—	20
300	300	84	30.0	2	2.2~4.0	2.3~3.0	2.1~3.1	—	20
440	440	100	37.0	2	4.0~5.0	3.5~4.0	3.1~4.1	—	20

Included bits	240mm 300mm 440mm	⊖6/⊕1/⊕2 / Auger (Stored inside handle)	Standard bits (excluding attached ones)	240mm 300mm 440mm	⊖4 ⊖4 ⊖8/⊕3

Some screwdrivers support hanger hooks. (P.45)

No.151230 Automatic Screwdriver

No.153230 ◆Barcode labeled [Blister package]



- Easy-to-grip square handle. Internally stores bits.
- Lightweight and compact
- Can be widely used for anything from professional to weekend carpenter jobs.

Model No.	Overall length	Grip Length	Grip Dia.	Rotations per press	Applicable screws		Inner Ctn.	Outer Ctn.
					Ordinary screw	Wood screw		
151230	230	105	30	1 1/4	1.6~2.3	1.6~2.4	—	10
153230	230	105	30	1 1/4	1.6~2.3	1.6~2.4	—	10

Included bits	151230	⊖4/⊖6/⊕1/⊕2 Woodworking drill (2.5, 3.6 mm)	153230	⊖6/⊕1/⊕2

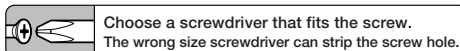
No.25 Offset Screwdriver



- Useful S-shaped screwdriver for working in cramped places
- Different size tips. Can be alternated according to purpose.

Size	Shank length	Shank Dia.	Overall length	Inner Ctn.	Outer Ctn.
⊕1: ⊖5	25	5	125	12	—
⊕2: ⊖6	26	6	125	12	—
⊕3: ⊖8	33	8	150	12	—

Some screwdrivers support hanger hooks. (P.44)



UltraHex®

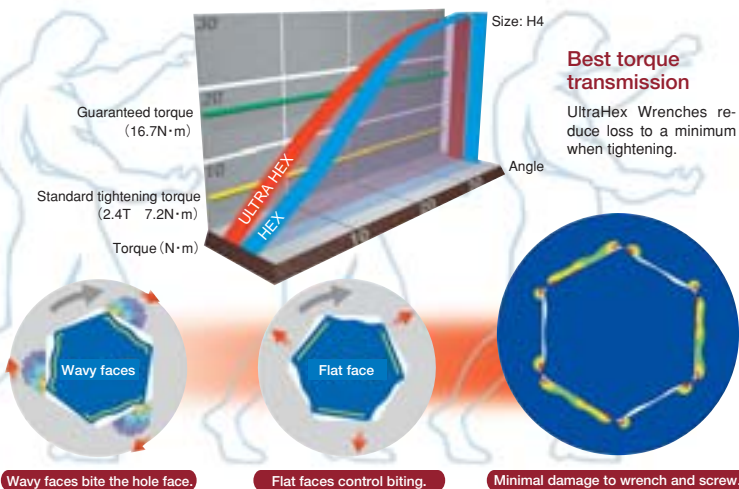


Longer tool life

The flat faces prevent deformation in the hexagon hole. Causes minimal damage to screws and tools.

Transmits force without waste.

The wavy face reduces drive angle and increases drive efficiency.



No.8500HX Ultra Hex Key Wrench

PAT.P.

◆Barcode labeled [Blister package]



●For tightening in cramped places where long wrenches cannot fit or when there are obstructions

Size	Hex Key			Inner Ctn.	Outer Ctn.
	mm	mm	mm		
A/F 1.5	1.5	13.5	50	10	—
A/F 2	2	15.5	56	10	—
A/F 2.5	2.5	17.5	63	10	—
A/F 3	3	19	71	10	—
A/F 4	4	24	80	10	—
A/F 5	5	27	90	10	—
A/F 6	6	31	100	10	—
A/F 8	8	35	112	5	—
A/F 10	10	39	125	5	—

(6-Piece Set) No.8506HX (9-Piece Set) No.8509HX Ultra Hex Key Wrench

PAT.P.

◆Barcode labeled [Sliding type package]



●Comes with handy holder for carrying and storage.
9-piece snap-open holder for easy access.

Model No.	Set content	Inner Ctn.
No.8506HX	No.8500HX With holder A/F 1.5 / 2 / 2.5 / 3 / 4 / 5mm	5
No.8509HX	No.8500HX With holder A/F 1.5 / 2 / 2.5 / 3 / 4 / 5 / 6 / 8 / 10mm	5

No.8600HX Ultra Hex Long Key Wrench

PAT.P.

◆Barcode labeled [Blister package]



●Long shank makes it easier to apply force.

Size	Hex Key			Inner Ctn.	Outer Ctn.
	mm	mm	mm		
A/F 1.5	1.5	13.5	90	10	—
A/F 2	2	15.5	100	10	—
A/F 2.5	2.5	17.5	112	10	—
A/F 3	3	19	126	10	—
A/F 4	4	24	142	10	—
A/F 5	5	27	160	10	—
A/F 6	6	31	177.5	10	—
A/F 8	8	35	200	5	—
A/F 10	10	39	224	5	—

(6-Piece Set) No.8606HX (9-Piece Set) No.8609HX Ultra Hex Long Key Wrench

PAT.P.

◆Barcode labeled [Sliding type package]



●Comes with handy holder for carrying and storage.
9-piece snap-open holder for easy access.

Model No.	Set content	Inner Ctn.
No.8606HX	No.8600HX With holder A/F 1.5 / 2 / 2.5 / 3 / 4 / 5mm	5
No.8609HX	No.8600HX With holder A/F 1.5 / 2 / 2.5 / 3 / 4 / 5 / 6 / 8 / 10mm	5

Hex Key Wrenches

No.8500BP

UltraBall Key Wrench

◆Barcode labeled [Blister package]

PAT.P.



- For tightening in cramped places where long wrenches cannot fit or when there are obstructions

Size				Inner Ctn.	Outer Ctn.
	mm	mm	mm		
A/F 1.5	1.5	13.5	50	10	—
A/F 2	2	15.5	56	10	—
A/F 2.5	2.5	17.5	63	10	—
A/F 3	3	19	71	10	—
A/F 4	4	24	80	10	—
A/F 5	5	27	90	10	—
A/F 6	6	31	100	10	—
A/F 8	8	35	112	5	—
A/F 10	10	39	125	5	—

No.8600BP

UltraBall Long Key Wrench

◆Barcode labeled [Blister package]

PAT.P.



- Long shank makes it easier to apply force.

Size				Inner Ctn.	Outer Ctn.
	mm	mm	mm		
A/F 1.5	1.5	13.5	90	10	—
A/F 2	2	15.5	100	10	—
A/F 2.5	2.5	17.5	112	10	—
A/F 3	3	19	126	10	—
A/F 4	4	24	142	10	—
A/F 5	5	27	160	10	—
A/F 6	6	31	177.5	10	—
A/F 8	8	35	200	5	—
A/F 10	10	39	224	5	—

No.5400BP

Power Grip UltraBall Screwdriver

◆Barcode labeled



- Fully hardened chrome vanadium steel.
Champaign Gold plating to maintain tip precision.
- Knurled shank for fast turning.

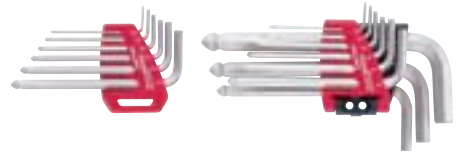
Size				Inner Ctn.	Outer Ctn.
	mm	mm	mm		
A/F 1.5× 80	2.5	155	17	12	60
A/F 2 × 80	3	155	17	12	60
A/F 2.5× 80	3	155	17	12	60
A/F 3 × 120	3.5	217	28	6	60
A/F 4 × 120	5	224	31.8	6	60
A/F 5 × 120	6	235	35.6	6	60
A/F 6 × 120	7	235	35.6	6	60

(6-Piece Set) No.8506BP
(9-Piece Set) No.8509BP

UltraBall Key Wrench

◆Barcode labeled [Sliding type package]

PAT.P.



- Comes with handy holder for carrying and storage.
9-piece snap-open holder for easy access.

Model No.	Set content	Inner Ctn.
No.8506BP	No.8500BP With holder A/F 1.5 / 2 / 2.5 / 3 / 4 / 5mm	5
No.8509BP	No.8500BP With holder A/F 1.5 / 2 / 2.5 / 3 / 4 / 5 / 6 / 8 / 10 mm	5

(6-Piece Set) No.8606BP
(9-Piece Set) No.8609BP

UltraBall Long Key Wrench

◆Barcode labeled [Sliding type package]

PAT.P.



- Comes with handy holder for carrying and storage.
9-piece snap-open holder for easy access.

Model No.	Set content	Inner Ctn.
No.8606BP	No.8600BP With holder A/F 1.5 / 2 / 2.5 / 3 / 4 / 5mm	5
No.8609BP	No.8600BP With holder A/F 1.5 / 2 / 2.5 / 3 / 4 / 5 / 6 / 8 / 10 mm	5

UltraBall®



High speed turning

Tapered to 35°, the ball tip is always at the center of rotation, hence ensuring smooth turning.

Outstanding strength

The neck has a large cross-section, therefore strength is maintained at a level near to lock-down tightening force.

※UltraBall may not be used for decorative screws or button caps which have a thin tip.

Hex Key Wrenches

No.8200 Ball Point Key Wrench

◆Barcode labeled [Blister package]



- Original ball head. Precision black point tip.
- Fully hardened industrial alloy steel. Pearl plating.
- For tightening in cramped places where long wrenches cannot fit or when there are obstructions.

Size				Inner Ctn.	Outer Ctn.
	mm	mm	mm		
A/F 3	3	19	71	—	10
A/F 4	4	24	80	—	10
A/F 5	5	27	90	—	10
A/F 6	6	31	100	—	10
A/F 8	8	35	112	—	5
A/F 10	10	39	125	—	5

(6-Piece Set) No.8306 Ball Point Long Key Wrench

◆Barcode labeled [Sliding type package]



- Comes with handy holder for carrying and storage.

Model No.	Set content	Outer Ctn.
No.8306	No.8300 With holder A/F 1.5 / 2 / 2.5 / 3 / 4 / 5mm	5

No.8300 Ball Point Long Key Wrench

◆Barcode labeled [Blister package]

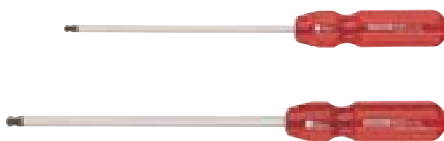


- Original ball head. Precision black point tip.
- Fully hardened industrial alloy steel. Pearl plating.
- Long shank makes it easier to apply force.

Size				Inner Ctn.	Outer Ctn.
	mm	mm	mm		
A/F 5	5	27	160	—	10
A/F 8	8	35	200	—	5
A/F 10	10	39	224	—	5

No.8100 Ball Point Screwdriver

◆Barcode labeled [Shrink package]



- Original ball head. Precision black point tip.
- Fully hardened industrial alloy steel. Pearl plating.
- Long shank makes it easier to apply force.

Size					Inner Ctn.	Outer Ctn.
	mm	mm	mm	mm		
A/F 8 × 190	8	190	28.5	303	5	50

Hex Key Wrench and Screw Cross-Reference

(mm)

Across flats	Hexagon recess bolt	Hexagon recess locking screw	Hexagon recess flat head screw	Hexagon recess button screw
1.5	1.6/2	3	—	—
2	2.5	4	3	3
2.5	3	5	4	4
3	4	6	5	5
4	5	8	6	6
5	6	10	8	8
6	8	12	10	10
8	10	16	12	12
10	12	20	14/16	14/16

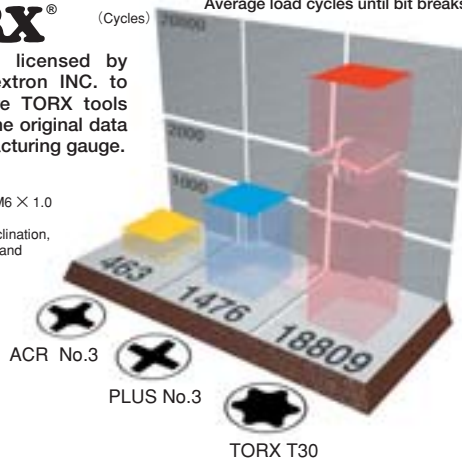
World Standard Fastening System That Delivers Assured Torque Transmission, Smooth On-Off and Outstanding Durability



TORX®
VESSEL is licensed by Camcar Textron INC. to manufacture TORX tools based on the original data and manufacturing gauge.

※Fastening of M6 × 1.0 round head screw at 0° inclination, 35.6 Nm load and 8 rpm.

Average load cycles until bit breaks (Cycles)



Excellent torque transmission

The small drive angle (15°) delivers excellent torque transmission.

Minimal damage to screws and tools

Drive faces are large, therefore tools and screws suffer minimal frictional damage.

No CAM-OUT

The TORX hole stands vertical, so tools do not CAM-OUT.

No.940TX MEGADORA TORX® Screwdriver

◆Barcode labeled

Patented



●For working with TORX screws and tamper-proof screws (T5 and T6 excluded).

Size	✦	⌘	⌘	⌘	⌘	Inner Ctn.	Outer Ctn.
	mm	mm	mm	mm	mm		
T5 × 80	1.37	80	3.0	21	158	12	120
T6 × 80	1.65	80	3.0	21	158	12	120
T7H × 80	1.97	80	3.0	21	158	12	120
T8H × 80	2.3	80	4.0	21	158	12	120
T9H × 80	2.48	80	4.0	21	158	12	120
T10H × 80	2.72	80	4.0	21	158	12	120
T15H × 80	3.26	80	5.5	30	180	6	60
T20H × 120	3.84	120	5.5	30	220	6	60
T25H × 120	4.4	120	6.4	34	230	6	60
T27H × 120	4.96	120	6.4	34	230	6	60
T30H × 120	5.49	120	6.4	34	230	6	60
T40H × 120	6.6	120	8.0	36	245	6	60

No.5400TX Power Grip TORX® Screwdriver

◆Barcode labeled



- Fully hardened chrome vanadium steel shank. Champaign Gold plating to maintain tip precision.
- Acetate resin ergonomic handle.
- For working with tamper-proof screws (T5 and T6 excluded).

Size	✦	⌘	⌘	⌘	⌘	Inner Ctn.	Outer Ctn.
	mm	mm	mm	mm	mm		
T 5 × 80	1.37	80	2.5	17.0	155	12	60
T 6 × 80	1.65	80	2.5	17.0	155	12	60
T 7H × 80	1.97	80	2.5	17.0	155	12	60
T 8H × 80	2.3	80	3.0	17.0	155	12	60
T 9H × 80	2.48	80	3.0	17.0	155	12	60
T10H × 80	2.72	80	3.0	17.0	155	12	60
T15H × 80	3.26	80	3.5	28.0	177	6	60
T20H × 120	3.84	120	4.0	28.0	217	6	60
T25H × 120	4.4	120	5.0	31.8	224	6	60
T27H × 120	4.96	120	5.0	31.8	224	6	60
T30H × 120	5.49	120	6.0	35.6	235	6	60
T40H × 120	6.6	120	7.0	35.6	235	6	60

No.TX-10 TORX® Screwdriver Set

◆Barcode labeled [Sliding type package]



- Fully hardened chrome vanadium steel bits. Storage holder included. Works with tamper-proof screws.
- New type of bit holder that assuredly holds bits. Internal magnet for attracting screws.

Package content	Outer Ctn.
●6.35mm bits (T10H, T15H, T20H, T25H, T27H, T30H, T40H) ⊕2, ⊕3, ⊕6 ●Handle ●Bit belt holder	10

No.TX-11 TORX® Plate Ratchet and Bit Set

◆Barcode labeled [Sliding type package]



- Fully hardened chrome vanadium steel bits. Storage holder included. For working with tamper-proof screws (T5 and T6 excluded) ●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.

Package content	Outer Ctn.
●6.35mm bits (T8H, T10H, T15H, T20H, T25H, T27H, T30H, T40H, ⊕2, ⊕6) ●Plate Ratchet Screwdriver ●Bit Belt holder	10

No.8500TX TORX® Key Wrench

◆Barcode labeled [Blister package]



- Fully hardened chrome vanadium steel. Non-magnetic.
- Champaign Gold plating to maintain tip precision.
- Knurled shank for fast turning.

Size No.				Outer Ctn.
	mm	mm	mm	
T6	2.5	15	52	10
T7	2.5	15	56	10
T8	3	17	59	10
T9	3	17	63	10
T10	3	17	67	10
T15	3.5	19	72	10
T20	4	21	77	10
T25	5	23	83	10
T27	5	23	90	10
T30	6	25	98	10
T40	7	27	107	10

No.8507TX TORX® 7PC. Key Wrench Set

◆Barcode labeled [Vinyl package]



- Fully hardened chrome vanadium steel. Non-magnetic.
- Champaign Gold plating to maintain tip precision.
- Handy vinyl carrying and storage case.

Package content	Outer Ctn.
●No.8500TX (T10, T15, T20, T25, T27, T30, T40) ●Vinyl case (65×135×17mm)	10

No.TX-15 TORX® Tool Set

◆[Steel Case]



- 15-piece set including work sockets, ratchet wrench and adapters.
- T-sockets (■6.35 mm) for tamper-proof TORX.

Package content	Outer Ctn.
<ul style="list-style-type: none"> ●■6.5 mm T-sockets (T10H, T15H, T20H, T25H, T27H) ●■9.5 mm T-sockets (T30H, T40H, T45H, T50H) ●■9.5 mm E-sockets (E8, E10, E12) ●■6.35 and ■9.5 mm socket adapters ●125 mm ■9.5 mm extension bar ●■9.5 mm ratchet handle ●Steel case (244×104×33 mm) 	1

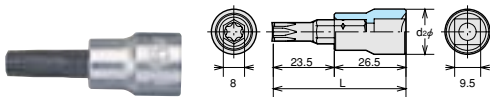
No.Q4T TORX® "T" Socket (SQ 6.35mm)



Work socket. (Cannot be used with power tools.)
Tamper-proof torx.

Size No.	TORX No.	L mm	Inner Ctn.
Q4T10H	T10H	32	10
Q4T15H	T15H	32	10
Q4T20H	T20H	32	10
Q4T25H	T25H	32	10
Q4T27H	T27H	32	10

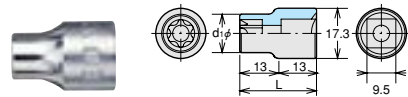
No.Q6T TORX® T-type Socket (SQ 9.5mm)



Work socket. (Cannot be used with power tools.)

Size No.	TORX No.	d2 φ mm	L mm	Inner Ctn.
Q6T30	T30	18.0	50	10
Q6T40	T40	18.0	50	10
Q6T45	T45	18.0	50	10
Q6T50	T50	20.0	50	10

No.Q6E TORX® "E" Socket (SQ 9.5mm)



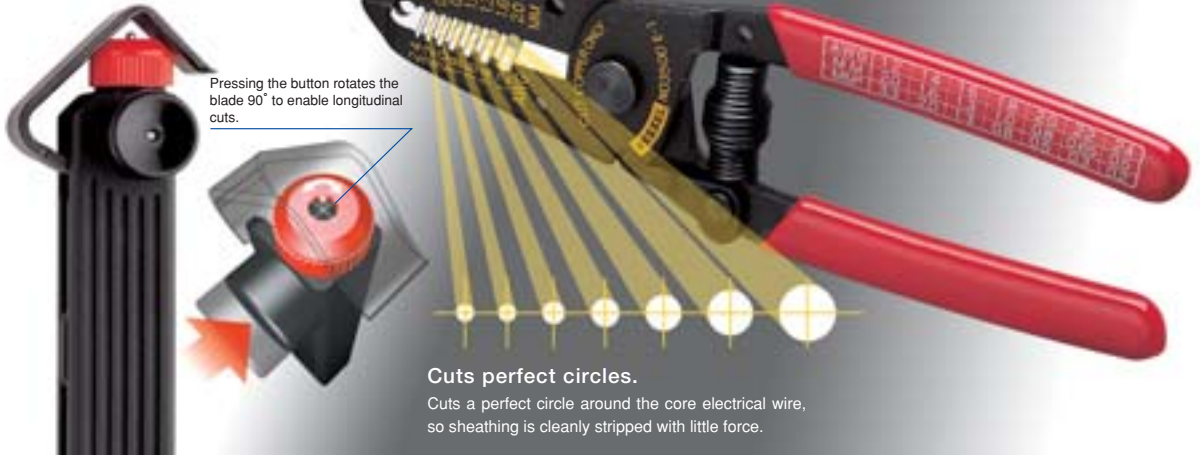
Work socket. (Cannot be used with power tools.)

Size No.	TORX No.	d1 φ mm	L mm	Inner Ctn.
Q6E8	E8	9.9	26	10
Q6E10	E10	12.0	26	10
Q6E12	E12	14.5	26	10

Wire Strippers

Precision Stripping

For stripping vinyl sheath. Makes work efficient. Highly accurate stripping.



AWG-mm-mm² conversion table. Lightweight and compact. Wide stripping range applicable with most cables.

Pressing the button rotates the blade 90° to enable longitudinal cuts.

Cuts perfect circles.

Cuts a perfect circle around the core electrical wire, so sheathing is cleanly stripped with little force.

No.3000 Wire Stripper

◆Barcode labeled



- For stripping vinyl sheathing off wire ● Nimble and cleanly strips off sheathing in a single operation. ● Resin grip comfortably fits the hand to lessen hand fatigue.
- Available in 6 types according to target wire ● Can be used with wiring for TV, radio, home appliances, electrical work, automotive circuits, telephones, etc.
- Strip gauge provided only on 3000A, B, C and D.

Model No.	Overall length mm	Weight g	Wire diameter and nominal sectional area	Handle color	Outer Ctn.
3000A	170	350	0.5/1.2/1.6/2.0mm (For solid wire)	Green	20
3000B	170	350	1.0/1.6/2.0/2.6/3.2mm (For solid wire)	Red	20
3000C	170	350	0.9/1.25/2.0/3.5/5.5mm ² (For strand wire)	Black	20
3000D	170	350	0.75mm ² X2-wire/1.25mm ² X2-wire (For flat vinyl wire)	Orange	20
3000G	170	350	3.8mm/5.6mm/core wire (For 3C2V, 5C2V coaxial cable)	Dark blue	20
3000VA	170	350	1.6mmX2-wire/2.0mmX2-wire (For VA, IV wire)	Blue	20

No.3500 Wire Stripper

E-1/E-2

◆Barcode labeled [Sliding type package]



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

Model No.	Overall length mm	Weight g	Wire diameter and nominal sectional area	Handle color	Inner Ctn.	Outer Ctn.
3500E-1	155	100	AWG 24/22/20/18/16/14/12	Red	5	30
3500E-2	155	100	AWG 30/28/26/24/22/20/18	Yellow	5	30

No.3000 Wire Stripper Blade



- Replaceable blade of No. 3000 stripper. Enables near perfect circular cut. Maintains sharpness without wearing down. ● For large volume stripping

Model No.	Applicable wire stripper	For strand wire	For flat vinyl wire	For coaxial cable	For VA (2-wire)
WB-001	3000A				
WB-002	3000B				
WB-003	3000C				
WB-004	3000D				
WB-008	3000G				
WB-007	3000VA				

NO.3000 Blade

- For solid wire

No.3700KR Cable Stripper

◆Barcode labeled [Sliding type package]



- Wide stripping range applicable with most cables
- Simply turn a dial to set strip depth.
- Lightweight, compact and easy to carry.

Overall length mm	Weight g	Strip Capacity	Inner Ctn.	Optional
122	60	Seath O/D 4.5~26mm φ	1	Blade No.3700KR-1 Blade holder set No.3700KR-2

- Strips cable sheathing of 4.5~26 mmφOD.
- Can smoothly make longitudinal cuts by pressing a button.



- ⚠ WARNING Concerning Wire Strippers, Pliers and Nippers
- Do not use on live wires.
 - Cut sheathing can fly about, therefore be careful of surrounding area when working.
 - Check product capacity and specifications before use. Use products of a suitable size.

Electric Cable Knife

Electrical and servicing work knife An essential tool for every craftsman

Electrician

◀Special high grade steel▶

Standard type. Thick blade specification for wood trimming and cutting work (i.e., for opening utility outlets in walls, etc.).

Master

◀Stainless steel▶

Rust-resistant stainless steel. Reversible blade.

Expert

◀Damascus steel▶

Sandwich construction of soft steel and carbon steel. Easy to file. Excellent cutting.



Fluorescent handle that glows after 2~3minutes of exposure to sunlight or outdoor lamps.

Reflector for reflecting light



Electrician Glow-in-the Dark Type

Electrical work is often performed in the dark. Moreover, forgetting one's tools because of the dark not only loses the tool but also presents a danger during takedown. The compounded effect of the glow-in-the dark handle and reflector lets users know where the knife is at all times.



A drop prevention wire can be looped through the hole on the butt end.

No.VDK-1 Electrician Knife ◀Electrician▶ Patented

◆Barcode labeled [Blister package]



●Knife for electrical and service work. ●Made with special high grade steel for smooth cutting.

Blade construction	Overall knife length mm	Blade length mm	Weight g		Accessories	Outer Ctn.
			Knife	Holder		
Alloy Steel	215	80	140	50	No-drop holder/ceramic sharpener	10



Thick blade specification for trimming and cutting work (i.e., for opening utility outlets in plywood, sheetrock, etc.).

No.VDK-2 Electrician Knife ◀Master▶ Patented

◆Barcode labeled [Blister package]



●Knife for electrical and service work. ●Rust-resistant stainless steel. Reversible blade.

Blade construction	Overall knife length mm	Blade length mm	Weight g		Accessories	Outer Ctn.
			Knife	Holder		
Stainless Steel	215	80	140	50	No-drop holder/ceramic sharpener	10



Reversible blade can be used twice.

No.VDK-3 Electrician Knife ◀Expert▶ Patented

◆Barcode labeled [Blister package]



●Knife for electrical and service work. ●Easy to file Damascus steel. Excellent cutting.

Blade construction	Overall knife length mm	Blade length mm	Weight g		Accessories	Outer Ctn.
			Knife	Holder		
Damascus steel	215	80	140	50	No-drop holder/ceramic sharpener	10



33-layer sandwich construction of soft steel and carbon steel. Easy to file. Excellent cutting. Unique design not seen on any other knife.

No.VDK-5 Electrician Knife ◀Electrician▶ Patented

Glow-in-the dark type ◆Barcode labeled [Blister package]



●Knife for electrical and service work. ●Made with special high grade steel for smooth cutting.

Blade construction	Overall knife length mm	Blade length mm	Weight g		Accessories	Inner Ctn.
			Knife	Holder		
Alloy Steel	215	80	140	50	No-drop holder/ceramic sharpener	10

Handle glows in the dark for a long period of time. Reflector prevents users from losing the knife in the dark.

Hammers & Files

No.70

Plastic Head Hammer

◆Barcode labeled



Interchangeable head

- Soft durable plastic head. Does not damage workpieces.
- Interchangeable head. Head sold separately.
- Heads available in 1/2, 1 and 1 1/2 sizes. 2 per package. Pre-Carded Products.

Size	Overall length mm	Head		Inner Ctn.	Outer Ctn.	Replacement head	Inner Ctn.	Outer Ctn.
		Diameter mm	Length mm					
1/4	280	19.5	70	6	60	1/4	20	—
1/2	280	25	84	6	60	1/2	20	400
1	295	31	110	6	60	1	20	400
1 1/2	325	38	128	6	36	1 1/2	10	200
2	350	46	143	6	24	2	10	200

No.75

Rubber Head Hammer

◆Barcode labeled



Interchangeable head

- High quality rubber head. Does not damage particle board.
- Rubber head is oil resistant. Easily changed.
- Ideal for furniture and woodwork assembly.

Size	Overall length mm	Head		Inner Ctn.	Outer Ctn.	Replacement head	Inner Ctn.	Outer Ctn.
		Diameter mm	Length mm					
1/4	280	19.5	70	6	60	1/4	20	—
1/2	280	25	84	6	60	1/2	20	400
1	295	31	110	6	60	1	20	400
1 1/2	325	38	128	6	36	1 1/2	10	200
2	350	46	143	6	24	2	10	200

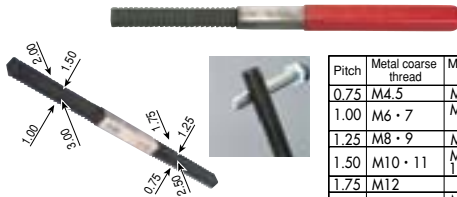
⚠ **WARNING** concerning Hammers

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

No.8

Thread File

◆Barcode labeled [Blister package]



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

Pitch mm	Inner Ctn.	Outer Ctn.
0.75/1.00/1.25/1.50/1.75/2.00/2.50/3.00	—	10

No.RG-95

Ratchet Rivet Gun

◆Barcode labeled [Sliding type package]



- Manual riveter made with Vessel's original new mechanism.
- Calk blind rivets easily with one hand.
- Easily calks 4.8 mm steel rivets that were difficult to use with earlier manual riveters.

Overall length mm	Weight g	Accessories		
		Nose piece	Nose piece wrench	Inner Ctn. Outer Ctn.
230	570	2.4/3.2/4.0/4.8mm	A/F 6mm	— 5

No.ZW-3

Thread Thru Stud Wrench Patented

No.ZW-4

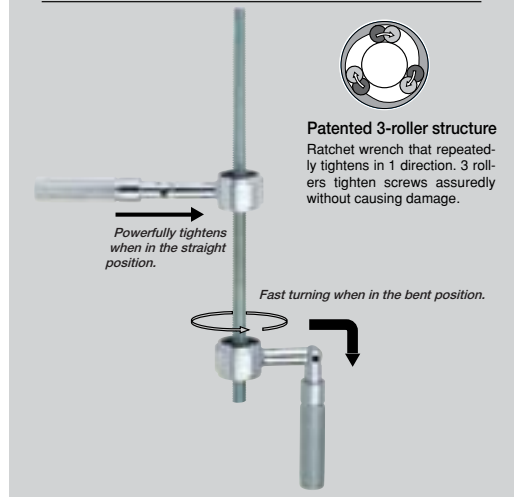
◆Barcode labeled [Blister package]



- 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.

Model No.	Applicable screw diameter	Keyhole			Weight g	Inner Ctn.	Outer Ctn.
		mm	mm	mm			
ZW-3	3/8	32	21	150	224	—	10
ZW-4	1/2	32	21	150	222	—	10

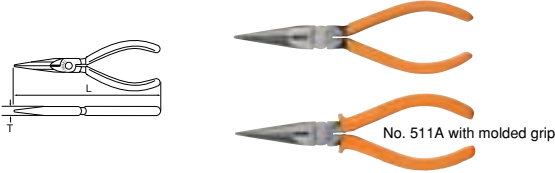
Quickly tightens continuous thread studs!



Long Nose Pliers and Nippers

No.511 Long Nose Plier

No.511A [Sliding type package]



●Durable thin jaws. Strong enough for various jobs.

Size	L mm	T mm	kg	Inner Ctn.	Outer Ctn.
150	160	10	0.12	6	60

(No. 511 and No. 511A have the same specification.)

No.555 Standard Nipper

[Sliding type package]



●High precision thin blades. Maintain cutting performance for a long time.

Size	L mm	T mm	kg	Inner Ctn.	Outer Ctn.
150	150	10	0.11	6	60

No.513 Low Voltage Long Nose Plier

[Sliding type package] [in Box]



●Idea for assembly and disassembly of low voltage equipment and precision equipment.

●Spring-loaded for easy opening and closing.

Size	L mm	T mm	kg	Inner Ctn.	Outer Ctn.
150	155	9	0.08	6	60

No.581 Power Nipper

[Sliding type package]



●Suited for cutting all types of wire (steel, copper, etc.)

Size	L mm	T mm	kg	Inner Ctn.	Outer Ctn.
150	160	11	0.15	6	60

No.515 Low Voltage Stepped Long Nose Plier

[Sliding type package] [in Box]



●Thin jaws for faster and more precise assembly or wiring in cramped places. For low voltage equipment and precision equipment.

●Spring-loaded for easy opening and closing.

Size	L mm	T mm	kg	Inner Ctn.	Outer Ctn.
150	155	9	0.08	6	60

No.561 Micro Nipper

[Sliding type package] [in Box]



●Thin head with sharp jaws. Effectively cuts thin copper wires.

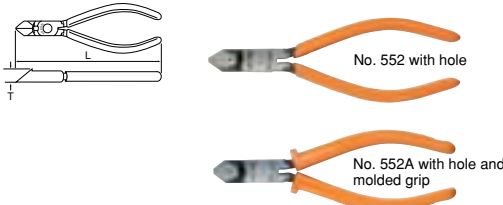
●Spring-loaded for easy opening and closing. Does not cause fatigue over extended repeated use.

●No. 561 x 125 comes with a stopper to prevent the spring from detaching.

Size	L mm	T mm	kg	Inner Ctn.	Outer Ctn.
100	100	7	0.04	6	60
125	127	8	0.07	6	60

No.552 Oblique Nipper

No.552A [Sliding type package]



●Unlike Power Nippers, these nippers are designed for cutting thin low voltage copper wires.

●The round hole in the blades is for stripping wire sheathing.

Size	L mm	T mm	kg	Inner Ctn.	Outer Ctn.
125	130	14	0.09	6	60
150	155	16	0.12	6	60

(No. 552 is available only in 150.)

No.521 Micro Long Nose Plier

[in Box]



●Thin high toughness jaws. Suited for all jobs including complicated high precision wiring.

●Spring-loaded for easy opening and closing.

Size	L mm	T mm	kg	Inner Ctn.	Outer Ctn.
125	130	8	0.06	6	60

⚠ WARNING Concerning Wire Strippers, Long Nose Pliers and Nippers

●Do not use on live wires.

●Cut sheathing can fly about, therefore be careful of surrounding area when working.

●Check product capacity and specifications before use. Use products of a suitable size.



Family Screwdriver Set

Patented



- Ergonomic handle that fits in the palm of the hand.
- Fully hardened chrome vanadium steel, high toughness blades. Magnetic tip. (⊕, ⊖, ● only)
- Colorful color-coded interchangeable driver blades. Easy to detach. Horizontally stored.
- Handy storage stand.

No.TD-808 "FAMIDORA W8" Screwdriver Set

- Ergonomic handle that fits in the palm of the hand.
- Reversible blades. 1 tool 2 sizes. Fully hardened alloy steel blades. Magnetic. (⊕ ⊖ only)
- Transparent case for easy identification from outside.



NO.TD-808
MG
⊕ ⊖ only



Reversible blades

Model No.	Model Name	Package content		
TD-808	"FAMIDORA W8" Screwdriver Set	●Handle ●Reversible blades ⊕0/⊖2.5·⊕1/⊖4·+2/⊖6·Awl / pin extractor		
Size (H × W × D)		JAN code	Inner Ctn.	Outer Ctn.
126×64×35		061652	10	60

Unit : mm

No.TD-800 "FAMIDORA 8" No.TD-801

"FAMIDORA 8" 8-Piece Screwdriver Set

"FAMIDORA 8" 8-Piece Hex Key Wrench and Screwdriver Set



NO.TD-800 MG
⊕ ⊖ only

NO.TD-801 MG
⊕ ⊖ ● only

Model No.	Model Name	Package content		
TD-800	"FAMIDORA 8" Screwdriver 8pc. Set	●Handle ●Driver blades ⊕0·⊕1·⊕2·⊖2.5 ⊖4·⊖6·Awl, pin extractor		
Size (H × W × D)		JAN code	Inner Ctn.	Outer Ctn.
160×150×35		061300	10	60

Unit : mm

Model No.	Model Name	Package content		
TD-801	"FAMIDORA 8" Hex Key Wrench & Screwdriver Set	●Handle ●Driver blades ⊕1·⊕2·⊖6 ●2.5·●3·●4·●5·pin extractor		
Size (H × W × D)		JAN code	Inner Ctn.	Outer Ctn.
160×150×35		061645	10	60

Unit : mm

No.TD-812 "FAMIDORA W12" Hex Wrench and Screwdriver Set

- Ergonomic handle that fits in the palm of the hand.
- Reversible blades. 1 tool 2 sizes. Fully hardened alloy steel blades. Magnetic. (⊕ ⊖ ● only)
- Transparent case for easy identification from outside.



NO.TD-812
MG
⊕ ⊖ ● only

Model No.	Model Name	Package content		
TD-812	"FAMIDORA W12" Hex Wrench & Screwdriver Set	●Handle ●Reversible blades ⊕0/⊖2.5·⊕1/⊖4·⊕2/⊖6·●2/●2.5·●3/●4·Awl/pin extractor		
Size (H × W × D)		JAN code	Inner Ctn.	Outer Ctn.
126×90×35		061669	10	60

Unit : mm

No.TD-410 "FAMIDORA" Reversible Blade Screwdriver No.TD-411

- Fully hardened shank, Tough and magnetic Tip. (⊕⊖ only)
- 1 blade 2 sizes.



▲ Ergonomic handle that fits in the palm of the hand. Eye-catching orange color.



NO.TD-410



NO.TD-411

Model No.	Model Name	Package content			
TD-410	"FAMIDORA" Reversible Blade Screwdriver	●Handle ●Reversible blade ⊕2/⊖6			
TD-411	"FAMIDORA" Reversible Blade Screwdriver	●Handle ●Reversible blade ⊕1/⊖5			
	Size (H × W × D)	JAN code	Inner Ctn.	Outer Ctn.	
	185 × 75 × 31	061515	10	60	
	185 × 75 × 31	061539	10	60	

Unit : mm

No.TD-600L "FAMIDORA 6"

6-Piece Screwdriver Set

- Ergonomic handle that fits in the palm of the hand.
- Fully hardened shank, Tough and magnetic Tip. (⊕⊖ only)
- Colorful color-coded Driver blades.



◀ Transparent case for easy identification from outside. Handy for storage. Equipped with hanger hole.

NO.TD-600L
 ⊕⊖ only

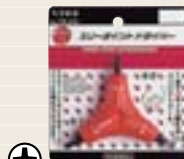
Model No.	Model Name	Package content			
TD-600L	"FAMIDORA 6" 6-PC. Screwdriver Set	●Handle ●Driver blades ⊕0·⊕1·⊕2·⊖2.5·⊖6-pin extractor			
	Size (H × W × D)	JAN code	Inner Ctn.	Outer Ctn.	
	151 × 85 × 33	061638	—	60	

Unit : mm

3-Point Screwdriver


Patented

1 tool, 3 sizes in a compact handy form. Use for assembling furniture, as an everyday screwdriver, portable aftercare service tool, screw fastening and unfastening on factory floors, or keep in your car for whenever.



⊕
⊖
3-Point Screwdriver
NO.TD-210




●
2-PC. Screwdriver Set of 3 Point Hex Bits
NO.TD-220




⊛
2-PC. Screwdriver Set of 3 Point TORX
NO.TD-230


- Compact for working in cramped places. (Patent Pending)
- Y-handle fits in the palm of the hand. Delivers powerful fastening strength.
- Fully hardened chrome vanadium steel bits. Magnetic. Easily and assuredly bites the screw.

Model No.	Model Name	Package content	Size (H × W × D)	JAN code	Inner Ctn.	Outer Ctn.
TD-210	3-Point Screwdriver	●⊕1/⊕2/⊖6	135 × 120 × 20	061348	10	60
TD-220	2-PC. Screwdriver Set of 3 Point Hex Bits	●H2/H2.5/H3 ●H4/H5/H6	135 × 140 × 38	061355	10	60
TD-230	2-PC. Screwdriver Set of 3 Point TORX	●T10H / T1.5H / T20H ●T25H / T30H / T40H	135 × 140 × 38	061362	10	60

Unit : mm



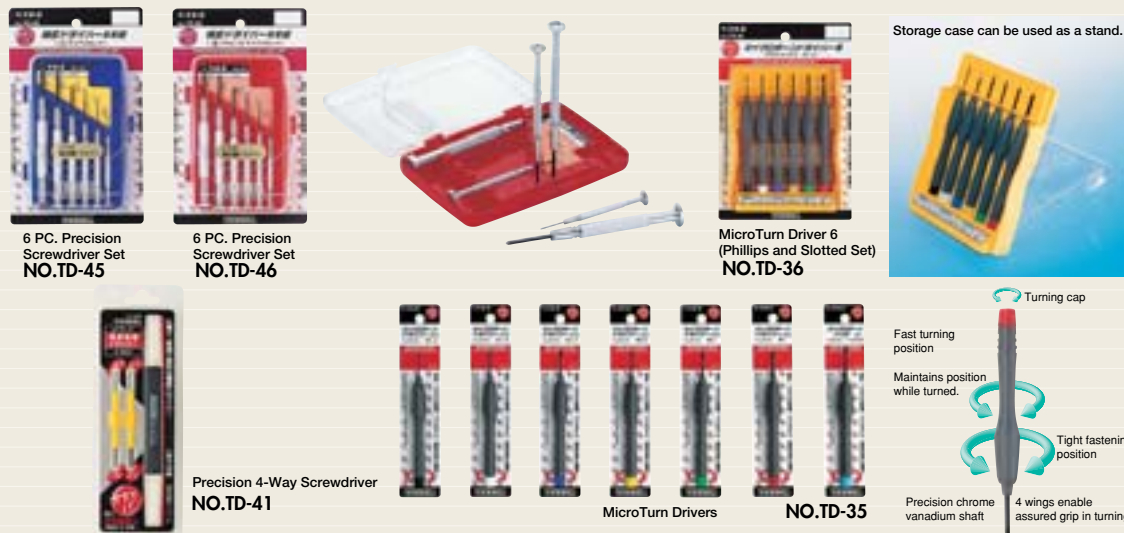
Cushion Grip Stubby Screwdrivers & Power Soft Screwdrivers



Model No.	Model Name	Package content	Size (H × W × D)	JAN code	Inner Ctn.	Outer Ctn.
TD-110	Cushion 4-Way Stubby Screwdriver	● Cushion grip stubby screwdriver ● Holder ● Reversible Bits $\oplus 1 / \oplus 2 \cdot \ominus 5 / \ominus 6$	135 × 85 × 35	061263	10	60
TD-120	Power Soft Interchangeable Blade Screwdriver	● Power Soft Grip ● Reversible Bits $\oplus 2 / \ominus 6$ O/A: 120mm	185 × 75 × 35	061270	10	60
TD-130	Power Soft Flexible Set	● Power Soft Grip ● Flexible shank ● Bit belt holder ● Bits $\oplus 1 \cdot \oplus 2 \cdot \oplus 3 \cdot \ominus 4 \cdot \ominus 6$ O/A: 33.3mm	235 × 85 × 35	061287	5	30
TD-131	Power Soft Screwdriver with Interchangeable Bit and Flexible Shank	● Power Soft Grip ● Flexible shank ● Reversible Bit $\oplus 2 / \ominus 6$ O/A: 120mm ● Bit belt holder ● Bits $\oplus 1 \cdot \oplus 2 \cdot \oplus 3 \cdot \ominus 6$ O/A: 33.3mm	235 × 85 × 35	061294	5	30

Unit : mm

Precision Screwdrivers



Model No.	Model Name	Package content	Size (H × W × D)	JAN code	Inner Ctn.	Outer Ctn.
TD-36	MicroTurn Driver 6 (Phillips and Slotted Set)	$\ominus 1.4 \cdot \ominus 1.8 \cdot \ominus 2.3 \cdot \oplus 00 \cdot \oplus 0 \cdot \oplus 1$	185 × 125 × 31	061546	—	20
TD-35	MicroTurn Driver	$\ominus 1.4$ (Overall length: 110mm)	160 × 35 × 14	061591	—	20
		$\ominus 1.8$ (Overall length: 110mm)	160 × 35 × 14	061607	—	20
		$\ominus 2.3$ (Overall length: 110mm)	160 × 35 × 14	061614	—	20
		$\oplus 00$ (Overall length: 110mm)	160 × 35 × 14	061560	—	20
		$\oplus 0$ (Overall length: 110mm)	160 × 35 × 14	061577	—	20
		$\oplus 1$ (Overall length: 110mm)	160 × 35 × 14	061584	—	20
TD-41	Precision 4-Way Screwdriver	● Reversible Blade $\oplus 00 / \ominus 0.9 \cdot \ominus 1.2 / \ominus 1.8$	190 × 65 × 14	061119	10	60
TD-45	6 PC. Precision Screwdriver Set	● $\ominus 0.9 \cdot \ominus 1.2 \cdot \ominus 1.8 \cdot \ominus 2.3 \cdot \ominus 3.0 \cdot \ominus 3.5$	185 × 115 × 24	061485	—	10
TD-46	6 PC. Precision Screwdriver Set	● $\ominus 0.9 \cdot \ominus 1.2 \cdot \ominus 1.8 \cdot \ominus 2.3 \cdot \oplus 00 \cdot \oplus 0$	185 × 115 × 24	061492	—	10

Unit : mm

Ratchet Screwdrivers & Magnetic Chuck Screwdrivers



Cushion Grip Ratchet Stubby Screwdriver Set
NO.TD-50



Flat Plate Ratchet Screwdriver Set
NO.TD-70



Flat Plate Ratchet Screwdriver
NO.TD-71



Flat Plate Ratchet Screwdriver Set
NO.TD-72



T-Bar Ratchet Screwdriver Set
NO.TD-80



T-Bar Magnetic Chuck Screwdriver Set
NO.TD-90

Model No.	Model Name	Package content	Size (H × W × D)	JAN code	Inner Ctn.	Outer Ctn.
TD-50	Cushion Grip Ratchet Stubby Screwdriver Set	●Cushion grip ratchet stubby screwdriver ●Bit $\oplus 2 \cdot \ominus 6$	150×80×37	061201	—	40
TD-70	Flat Plate Ratchet Screwdriver Set	●Power Grip ratchet screwdriver ●Bit belt holder ●Bits $\oplus 1 \cdot \oplus 2 \cdot \oplus 3 \cdot \oplus 4 \cdot \oplus 6 \cdot H2.5 \cdot H3 \cdot H4 \cdot H5 \cdot H6$	190×85×27	061225	—	40
TD-71	Flat Plate Ratchet Screwdriver	●Plate ratchet screwdriver ●Bit $\oplus 2$	190×85×27	061775	—	40
TD-72	Flat Plate Ratchet Screwdriver Set	●Plate ratchet screwdriver ●Bit $\oplus 2$ ●Sockets H5.5·7·8·10 ●Socket holder	190×85×27	061744	—	40
TD-80	T-Bar Ratchet Screwdriver Set	●T-bar ratchet screwdriver ●Bit belt holder ●Bits $\oplus 1 \cdot \oplus 2 \cdot \oplus 3 \cdot \oplus 4 \cdot \oplus 6$	170×105×28	061232	—	40
TD-90	T-Bar Magnetic Chuck Screwdriver Set	●T-bar magnetic chuck screwdriver ●Bit belt holder ●Bits $\oplus 1 \cdot \oplus 2 \cdot \oplus 3 \cdot \oplus 4 \cdot \oplus 6$	170×105×28	061249	—	40

Unit : mm

S Series Easy-to-Use Tool Sets for Fastening Jobs Around the House



Home Maintenance Tool Set
NO. S-11



Mighty Tool Set
NO. S-12



Handy Tool Set
NO. S-13



Special Tool Set
NO. S-15

Model No.	Model Name	Package content	Size (H × W × D)	JAN code	Inner Ctn.	Outer Ctn.
S-11	Home Maintenance Tool Set	●Power Grip ●Magnetic Bit holder ●Socket adapter ●Long Bits $\oplus 1 \cdot \oplus 2 \cdot \oplus 4 \cdot \oplus 6$ ●Short Bits H2·H2.5·H3·H4·H5·H6 ●Sockets H5·H5.5·H6·H7·H8·H9·H10·H12	240×143×45	010612	—	10
S-12	Mighty Tool Set	●T-bar ratchet screwdriver ●Magnetic Bit holder ●Short Bits $\oplus 1 \cdot \oplus 2 \cdot \oplus 3 \cdot \oplus 4 \cdot \oplus 5 \cdot \oplus 6 \cdot H2 \cdot H2.5 \cdot H3 \cdot H4 \cdot H5 \cdot H6$ ●Sockets H5·H5.5·H6·H7·H8·H9·H10·H12·H13	240×143×45	010629	—	10
S-13	Handy Tool Set	●T-bar ratchet screwdriver ●Magnetic Bit holder ●Flexible shank ●Short Bits $\oplus 1 \cdot \oplus 2 \cdot \oplus 3 \cdot \oplus 4 \cdot \oplus 6 \cdot H2 \cdot H2.5 \cdot H3 \cdot H4 \cdot H5 \cdot H6$	240×143×45	010636	—	10
S-15	Special Tool Set	●Rotary ratchet screwdriver ●Socket adapter ●Sockets H5.5·H7·H8·H10 ●Short Bits $\oplus 1 \cdot \oplus 2 \cdot \oplus 3 \cdot \oplus 4 \cdot \oplus 6 \cdot H2.5 \cdot H3 \cdot H4 \cdot H5 \cdot H6$ ●TORX Bits T10H·T15H·T20H·T25H·T30H	240×143×45	010650	—	10

Unit : mm



Cubic Screwdrivers Square Cross-section Grip for Injecting Power



6 PC. Cubic Voltage Detecting Screwdriver Set
Low voltage type
NO. TD-21



Cubic Reversible Screwdriver
Reversible Blade
NO. TD-22



5 PC. D-Box Reversible Blade
NO. TD-31

Model No.	Model Name	Content	Size (H × W × D)	JAN code	Inner Ctn.	Outer Ctn.
TD-21	6 PC. Cubic Voltage Detecting Screwdriver Set Low voltage type	⊕1, ⊕2, ⊖3, ⊖4, ⊖5 Awl	195×70×35	061089	—	10
TD-22	Cubic Reversible Screwdriver	⊕2, ⊖5	199×64×30	061096	—	10
TD-31	5 PC. D-Box	⊕1, ⊕2, ⊖3, ⊖5, Awl	204×70×31	061102	—	10

Unit: mm

Dimple Screwdrivers Vivid 2-tone grip



Dimple Screwdriver
NO. TD-10



Dimple Screwdriver
(2 PC.)
NO. TD-12

Model No.	Model Name	Content	Size (H × W × D)	JAN code	Inner Ctn.	Outer Ctn.
TD-10	Dimple Screwdriver	⊕1×90	O/A:175	007278	12	120
		⊕2×90	O/A:175	007285	12	120
		⊖4×90	O/A:175	007254	12	120
TD-12	Dimple Screwdriver (2 PC.)	⊕2×90, ⊖6×90	240×85×22	061072	—	10

Unit: mm

T-Bar Grip Series T-bar Handle for Powerful Fastening



T-Bar Screwdriver Set
NO. TD-150



T-Bar TORX Screwdriver Set
NO. TD-160



T-Bar Socket Driver Set
NO. TD-170

Model No.	Model Name	Content	Size (H × W × D)	JAN code	Inner Ctn.	Outer Ctn.
TD-150	T-Bar Screwdriver Set	•T-Bar Screwdriver •Bit belt holder •Bits ⊕1, ⊕2, +3, ⊖4, ⊖6, H2.5, H3, H4, H5, H6	235×115×27	061317	5	30
TD-160	T-Bar TORX Screwdriver Set	•T-Bar Screwdriver •Bit belt holder •TORX Bits T8H, T10H, T15H, T20H, T25H, T27H, T30H, T40H •Bits ⊕2, ⊖6	235×115×27	061324	5	30
TD-170	T-Bar Socket Driver Set	•T-Bar Screwdriver •Socket holder •Sockets H5, H5.5, H6, H7, H8, H9, H10, H12, H13	235×115×27	061331	5	30

Unit: mm

Soft Black Series Long Nose Pliers and Micro Nippers with Anti-slip Resin Grip



Long Nose Pliers
NO. BL-511

Low Voltage Long Nose Pliers
NO. BL-513



Micro Long Nose Pliers
NO. BL-521

Micro Nippers
NO. BL-561

Model No.	Model Name	Size	Size (H × W × D)	JAN code	Inner Ctn.	Outer Ctn.
BL-511	Long Nose Pliers	150	225×73×10	017383	6	60
BL-513	Low Voltage Long Nose Pliers	150	225×73×10	017390	6	60
BL-521	Micro Long Nose Pliers	125	184×73×10	017413	6	60
BL-561	Micro Nippers	125	184×73×10	017437	6	60

Screwdrivers with S-Hanger

Screwdrivers with S-Hanger



Model Name	Model No.	Size	JAN code	Outer Ctn.		
"MEGADORA" Standard Screwdriver	S-900	⊖ 5.5×75	088055	60		
		⊖ 6×100	088062	60		
		⊖ 6×150	088079	60		
		⊖ 8×150	088086	60		
		⊕ 1×75	088017	60		
		⊕ 2×100	088024	60		
		⊕ 2×150	088031	60		
		⊕ 3×150	088048	60		
		⊖ 6×400	088109	60		
		⊕ 2×400	088093	60		
"MEGADORA" Stubby Screwdriver	S-920	⊖ 6×25	088321	60		
		⊕ 1×25	088338	60		
		⊕ 2×25	088345	60		
"MEGADORA" Thin Shank Screwdriver	S-910	⊖ 3×75	088260	60		
		⊖ 3×100	088277	60		
		⊖ 4×75	088284	60		
		⊖ 4×100	088291	60		
		⊖ 4×150	088307	60		
		⊖ 4×200	088314	60		
		⊕ 00×75	088215	60		
		⊕ 0×75	088222	60		
		⊕ 0×100	088239	60		
		⊕ 1×75	088246	60		
		⊕ 1×100	088253	60		
		"MEGADORA" Tang-Thru Screwdriver	S-930	⊖ 5.5×75	088154	60
⊖ 6×100	088161			60		
⊖ 6×150	088178			60		
⊖ 8×150	088185			60		
⊕ 1×75	088116			60		
⊕ 2×100	088123			60		
⊕ 2×150	088130			60		
⊕ 3×150	088147			60		
⊖ 6×38	088208			60		
⊕ 2×38	088192			60		
Cushion Grip Screwdriver	S-600			⊖ 5.5×75	085788	60
				⊖ 6×100	085801	60
		⊖ 6×150	085818	60		
		⊖ 8×150	085825	60		
		⊕ 1×75	085832	60		
		⊕ 1×100	085849	60		
		⊕ 2×100	085856	60		
		⊕ 2×150	085863	60		
⊕ 3×150	085870	60				
Cushion Grip Tang-Thru Screwdriver	S-630	⊖ 5.5×75	087010	60		
		⊖ 6×100	087034	60		
		⊖ 8×150	087058	60		
		⊕ 1×75	087065	60		
		⊕ 2×100	087089	60		
⊕ 3×150	087102	60				

Model Name	Model No.	Size	JAN code	Outer Ctn.
Cushion Grip Screwdriver (Stubby Type)	S-620	⊖ 6×15	085887	30
		⊕ 2×15	085900	30
Cushion Grip Screwdriver (Thin Shank Type)	S-610	⊖ 4×75	087126	30
		⊖ 4×100	087133	30
		⊖ 4×150	087157	30
		⊕ 00×75	087171	30
		⊕ 0×100	087232	30
		⊕ 1×100	087218	30
⊕ 1×150	087225	30		
Ball-Grip Screwdriver	S-220	⊖ 5.5×75	085702	60
		⊖ 5.5×100	085665	60
		⊖ 6×100	085726	60
		⊖ 6×150	085733	60
		⊖ 6×200	085740	60
		⊕ 1×75	085719	60
		⊕ 1×100	085689	60
		⊕ 2×100	085757	60
		⊕ 2×150	085764	60
		⊕ 2×200	085771	60
Ball-Grip Tang-Thru Screwdriver	S-230	⊖ 5.5×75	087348	60
		⊖ 6×100	087355	60
		⊖ 6×150	087362	60
		⊕ 1×75	087379	60
		⊕ 2×100	087386	60
⊕ 2×150	087393	60		
"CRYSTALINE" Screwdriver	S-6300	⊖ 5.5×75	082206	60
		⊖ 6×100	082213	60
		⊖ 8×150	082237	60
		⊕ 1×75	082275	60
		⊕ 2×100	082282	60
		⊕ 3×150	082299	60
"CRYSTALINE" Screwdriver (Long Shank Type)	S-6300	⊖ 5×150	082312	30
		⊖ 5×200	082329	30
		⊖ 5×250	082336	30
		⊕ 1×150	082343	30
		⊕ 1×200	082350	30
		⊕ 1×250	082367	30
⊕ 2×150	082374	30		
⊕ 2×200	082381	30		
⊕ 2×250	082398	30		
"CRYSTALINE" Screwdriver (Thin Shank Type)	S-6100	⊖ 4×75	082015	30
		⊖ 4×100	082022	30
		⊖ 4×150	082046	30
		⊖ 0×75	082060	30
		⊕ 0×100	082077	30
		⊕ 1×75	082107	30
		⊕ 1×100	082114	30
		⊕ 1×150	082121	30
⊕ 2×200	082145	30		
"CRYSTALINE" Screwdriver (Precision Type)	S-6900	⊖ 2.5×75	082411	60
		⊖ 2.5×100	082428	60
		⊕ 0×75	082435	60
"CRYSTALINE" Screwdriver (Stubby Type)	S-6200	⊖ 6×38	082169	30
		⊕ 1×38	082176	30
		⊕ 2×38	082183	30
Powerful Tang-Thru Screwdriver	S-100	⊖ 5.5×75	080288	60
		⊖ 6×100	080295	60
		⊖ 8×150	080301	30
		⊕ 1×75	080318	60
		⊕ 2×100	080325	60
⊕ 3×150	080332	30		

Cushion Grip Screwdrivers & Ball-Grip Screwdrivers

"JAWSFIT" coated Blade tip

☆For details, see page 9 to 11 pages.



No.220JF
Ball grip
screwdriver
Φ2×100



No.220JF
Ball grip
screwdriver
Φ2×150



No.600JF
Cushion grip
screwdriver
Φ2×100



No.600JF
Cushion grip
screwdriver
Φ2×150

Models with holder



No.220JFH
Ball grip
screwdriver



No.220H
Ball grip screwdriver



No.600JFH
Cushion grip
screwdriver



No.600H
Cushion grip
screwdriver

Model No.	Model Name	Size	JAN code	Inner Ctn.	Outer Ctn.
No.220JF	Φ2×100	215×39×41	105912	6	60
	Φ2×150	265×39×41	105929	6	60
No.600JF	Φ2×100	235×39×32	105936	6	60
	Φ2×150	285×39×32	105943	6	60

Size: Height × Width × Depth:mm

※JAWSFIT tip is used only for Philips screwdrivers.

Model No.	Model Name	Size	JAN code	Inner Ctn.	Outer Ctn.
No.220JFH	Φ2×100	275×59×52	105950	6	60
	Φ2×150	325×59×52	105967	6	60
No.220H	Φ6×100	275×59×52	105974	6	60
	Φ6×150	325×59×52	105981	6	60
No.600JFH	Φ2×100	273×59×50	105998	6	60
	Φ2×150	323×59×50	105639	6	60
No.600H	Φ6×100	273×59×50	105646	6	60
	Φ6×150	323×59×50	105653	6	60

Size (Holder/Card size) (L × W × D) :mm

Free-Turning Ball-Grip Screwdrivers & Free-Turning Cushion Grip Screwdrivers

Models with wire

Single sale

☆For details, see page 10.



No.220FW
Free-turn Ball Grip
Screwdriver (with wire)
Φ2×100 Φ6×100



No.220FW
Free-turn Ball Grip
Screwdriver (with wire)
Φ2×150 Φ6×150



No.600FW
Free-turn Cushion Grip
Screwdriver (with wire)
Φ2×100 Φ6×100



No.600FW
Free-turn Cushion Grip
Screwdriver (with wire)
Φ2×150 Φ6×150



No.220F
Free-turn Ball Grip
Screwdriver
Φ2×100 Φ6×100



No.220F
Free-turn Ball Grip
Screwdriver
Φ2×150 Φ6×150



No.600F
Free-turn Cushion
Grip Screwdriver
Φ2×100 Φ6×100



No.600F
Free-turn Cushion
Grip Screwdriver
Φ2×150 Φ6×150

Model No.	Model Name	Size	JAN code	Inner Ctn.
No.220FW	Φ2×100	240×80×50	105509	10
	Φ2×150	290×80×50	105516	10
	Φ6×100	240×80×50	105523	10
	Φ6×150	290×80×50	105530	10
No.600FW	Φ2×100	265×80×45	105547	10
	Φ2×150	315×80×45	105554	10
	Φ6×100	265×80×45	105561	10
	Φ6×150	315×80×45	105578	10

Size: Height × Width × Depth (mm)

Model No.	Model Name	Size	JAN code	Inner Ctn.	Outer Ctn.
No.220F	Φ2×100	215×41×39	105400	6	60
	Φ2×150	265×41×39	105417	6	60
	Φ6×100	215×41×39	105424	6	60
	Φ6×150	265×41×39	105431	6	60
No.600F	Φ2×100	230×39×32	105448	6	60
	Φ2×150	280×39×32	105455	6	60
	Φ6×100	230×39×32	105462	6	60
	Φ6×150	280×39×32	105479	6	60

Size: Height × Width × Depth (mm)

"MEGADORA" Chisel-Type Screwdrivers & "MEGADORA" Clip Removers

☆For details, see page 6.



"MEGADORA" Chisel-Type Screwdrivers
7×100

"MEGADORA" Chisel-Type Screwdrivers
9.5×120

"MEGADORA" Clip Removers
CR×120

"MEGADORA" Clip Removers
CR×300

No.970

Model Name	Size	Card size	JAN code	Inner Ctn.	Outer Ctn.
"MEGADORA" Chisel-Type Screwdrivers	7×100	250×36×34	108227	6	60
"MEGADORA" Chisel-Type Screwdrivers	9.5×120	275×36×36	108234	6	60
"MEGADORA" Clip Removers	CR×120	260×36×36	108210	6	60
"MEGADORA" Clip Removers	CR×300	360×140×34	108784	6	60

Size: Height × Width × Depth (mm)

Micro Screwdrivers

☆For details, see page 20



⊖ 1.8×50

⊕ 00×75
⊖ 2.5×75

⊕ 0×100
⊖ 3×100

⊕ 0×150
⊖ 3×150

No.9900

Model Size	Card size	JAN code	Inner Ctn.	Outer Ctn.
⊕ 0 × 150	260×27×13	006554	10	120
⊖ 3 × 150	260×27×13	006523	10	120
⊕ 0 × 100	210×27×13	006547	10	120
⊖ 3 × 100	210×27×13	006516	10	120
⊕ 00 × 75	185×27×13	006530	10	120
⊖ 2.5 × 75	185×27×13	006509	10	120
⊖ 1.8 × 50	160×27×13	006561	10	120

Size: Height × Width × Depth (mm)

"MEGADORA" Scrapers & Blades

☆For details, see page 6



S-180

No.MSB-01

S-300

ST-300

No.970

Model Name	Size	JAN code	Inner Ctn.
S-180	240×130×34	020017	5
S-300	355×130×36	020024	5
ST-300	360×130×36	020031	5

Size: Height × Width × Depth (mm)

"MEGADORA" Scraper Blade

Model Name	Size	JAN code	Inner Ctn.
No.MSB-01	128×22×14	020116	10

Size: Height × Width × Depth (mm)

Neon Screwdrivers

☆For details, see page 11.



⊕ 2×100
⊖ 6×100

⊕ 2×150
⊖ 6×150

NEW

Model No.	Model Name	Size	JAN code	Inner Ctn.	Outer Ctn.
No.265	⊕2×100	230×40×40	106728	6	60
	⊕2×150	285×40×40	106735	6	60
	⊖6×100	230×40×40	106704	6	60
	⊖6×150	285×40×40	106711	6	60

Size: Height × Width × Depth (mm)

Pre-Carded Products

Scale of 1/5 The Pre-Carded Products shown in 42 to 49 pages have a scale of 1/5. It is recommended to copy a necessary item when preparing the table.

Screwdriver Sets

☆For details, see page 20-23



No. 145001
"Home Set" 5 PC.
Screwdriver Set



No. 2100
Pair Line
Interchangeable
Screwdriver

Model No.	Descriptions	Card size	JAN code	Inner Ctn.	Outer Ctn.
No. 145001	⊖3, ⊖4, ⊖6, ⊕1, ⊕2	220×75×25	060655	—	10
No. 2100	⊖4, ⊖6, ⊕1, ⊕2	180×70×26	010131	10	40

Card size : Height × Width × Depth (mm)

Ceramic Screwdrivers

☆For details, see page 22



No. 9001
Ceramic 4 Way
Interchangeable
Adjusters



No. 9002
No. 9003
Ceramic 2 Way
Interchangeable Adjusters



No. 9000
Ceramic
Adjusters

Model No.	Descriptions	Card size	JAN code	Inner Ctn.	Outer Ctn.
No. 9001	⊖0.9/⊕0.⊖1.8/⊕2.6	190×65×14	010513	10	60
No. 9002	⊖0.9/⊕1.8	190×65×14	010520	10	60
No. 9003	⊖1.3/⊕2.6	190×65×14	010537	10	60
No. 9000	⊖0.9×30	190×45×14	006745	10	60
	⊖1.3×30	190×45×14	006707	10	60
	⊖1.8×30	190×45×14	006714	10	60
	⊖2.6×30	190×45×14	006721	10	60
	⊖3.4×15	190×45×14	006769	10	60
	⊕0×30	190×45×14	006738	10	60
	⊕1.7×30	190×45×14	006752	10	60

Card size : Height × Width × Depth (mm)

Electric Detection Screwdriver Sets ☆For details, see page 26



No. 130005
6-Piece Voltage Detecting
Screwdriver Set
(Low Voltage Type)



No. 130006
6-Piece Voltage Detecting
Screwdriver Set
(High Voltage Type)



No. 80L
Voltage Detecting
Screwdriver
(Low Voltage Type)



No. 90
"HOTARU" Voltage
Detecting Screwdriver

Model No.	Descriptions	Card size	JAN code	Inner Ctn.	Outer Ctn.
No. 130005	⊖4, ⊖6, ⊕1, ⊕2, H5.5, Awl.	185×105×32	060600	—	10
No. 130006	⊖3, ⊖4, ⊖6, ⊕1, ⊕2, Awl.	185×105×32	060617	—	10
No. 80L	—	98×35×14	013101	10	60
No. 90	⊖4×45	180×75×27	013255	10	40

Card size : Height × Width × Depth (mm)

Other Screwdrivers



No. 660
Cushion Grip
Screwdriver
(Stubby Reversible
Blade System)
☆See page 23.



No. 625001
Mini Stubby
Screwdriver
☆See pg. 15.



No. 190001
3-Piece Plastic
Handle Small
Screwdriver Set



No. 251526
Offset Screwdriver
☆See page 26.

Model No.	Descriptions	Card size	JAN code	Inner Ctn.	Outer Ctn.
No. 6200W-62	⊖6/⊕2	135×75×29	060716	—	10
No. 9902	No. 9900 ⊕00×75, ⊖0×100, ⊖1.8×30	235×70×15	010322	5	30
No. 9903	No. 9900 ⊕00×75, ⊖2.5×75, ⊖3×100	235×70×15	010315	5	30
No. 6800-MG4	⊖5, ⊖7, ⊕1, ⊕2	260×75×29	010148	5	30

Card size : Height × Width × Depth (mm)

Model No.	Descriptions	Card size	JAN code	Inner Ctn.	Outer Ctn.
No. 660	⊖5/⊕2	136×75×36	010162	10	60
No. 625001	No. 6250 ⊕2×15, ⊖5×15	100×75×24	061171	—	10
No. 190001	⊖2.5×30, ⊖2.5×90, ⊕0×65	190×65×13	060488	—	20
No. 251526	No. 25 ⊖6/⊕2, ⊖5/⊕1	210×70×10	061157	—	20

Card size : Height × Width × Depth (mm)

Automatic Screwdrivers & Long Square Shank Screwdrivers



No. 150240
Automatic Screwdriver
☆See page 26



No. 151230
Automatic Screwdriver
☆See page 26



No. 153230
Automatic Screwdriver
☆See page 26



No. 6603A
3 PC. Set of Long Square Shank Screwdrivers
☆See page 16.



No. 6603
Long Square Shank Screwdriver
☆See page 16.

Model No.	Descriptions	Card size	JAN code	Outer Ctn.
No. 150240	⊖6, ⊕1, ⊕2, Awl	320×85×36	060815	5
No. 151230	⊖4, ⊖6, ⊕1, ⊕2, 2 Drills	270×85×33	060853	10
No. 153230	⊖6, ⊕1, ⊕2	270×85×33	060914	10

Model No.	Descriptions	Card size	JAN code	Outer Ctn.
No. 6603	⊖9×450 ⊕2×450 ⊕3×450	610×28.5×28.5 610×28.5×28.5 610×28.5×28.5	013217 013224 013231	6 6 6
No. 6603A	No. 6603 ⊖9, ⊕2, ⊕3	710×150×29	013200	10

No. 6603 indicates body size, No. 6603A Card size, Height × Width × Depth (mm)

Ratchet Screwdrivers & Impact Screwdrivers



No. 840
Power Ratchet Screwdriver
☆See page 25.



No. 840-L
Power Ratchet Screwdriver
☆See page 25.



No. 830MG-4
Metal Line Ratchet Screwdriver
☆See page 25.



No. 820W-23
Metal Line Stubby Ratchet Screwdriver
☆See page 25.



No. 850
Rotary Ratchet Screwdriver
☆See page 25.



No. 860
T-bar Ratchet Screwdriver (Stubby type)
☆See page 25.



No. 870-MG4
Ratchet Screwdriver
☆See page 25.



No. 890
Ratchet Screwdriver
☆See page 25.



No. 880-CK5
Ratcheting Screwdriver
☆See page 25.



No. 230001
Impact Driver
☆See page 24.



No. 240001
Impact Driver
☆See page 24.



No. 260002
Impact Uni Driver
☆See page 24.



No. 250001
Impact Driver
☆See page 24.

Model No.	Descriptions	Card size	JAN code	Inner Ctn.	Outer Ctn.
No. 820W-23	⊕2/⊕3	135×70×28	073501	10	60
No. 830-MG4	⊕1, ⊕2, ⊕3, ⊖6	235×70×28	073600	5	30
No. 840	⊕1, ⊕2, ⊖6×25.4	160×80×38	012593	10	60
No. 840-L	⊕1, ⊕2, ⊕3, ⊖4, ⊖6×115 ⊕1, ⊕2, ⊖6×25.4	160×80×48	012586	10	60
No. 880-CK5	⊖4, ⊖6, ⊕1, ⊕2, Awl.	205×85×20	012517	5	30
No. 870-MG4	⊖5, ⊖7, ⊕1, ⊕2	260×75×29	012500	5	30
No. 890	⊖5×100	250×70×29	012524	5	30
No. 860	⊖6/⊕2	170×90×23	012562	5	30
No. 850	⊕1, ⊕2, ⊖4, ⊖6	158×90×35	012579	10	60
No. 230001	⊕1, ⊕2, ⊕3, ⊖5, ⊖6, ⊖7 ⊕2×36/80, ⊕3×36/80 ⊕4×36, ⊕10×36	225×110×45	061164	—	5
No. 240001	⊕205×60×60	205×60×60	061126	—	5
No. 260002	⊖5, ⊖6, ⊖7, ⊕1, ⊕2, ⊕3	225×110×33	061188	—	5
No. 250001	⊖10, ⊕2, ⊕3, ⊕4	325×80×38	060921	—	5

Size (Box, Card size, vinyl) : Height × Width × Depth (mm)

Ultra Hex Key Wrenches

☆For details, see page 27.



- A/F 1.5
- A/F 2
- A/F 2.5
- A/F 3
- A/F 4
- A/F 5
- A/F 6
- A/F 8
- A/F 10

No.8506HX

No.8509HX

No.8500HX

Model Name	Card size	JAN code	Inner Ctn.
A/F 1.5	110×45×5	018069	10
A/F 2	110×45×5	018076	10
A/F 2.5	110×45×5	018083	10
A/F 3	110×45×5	018090	10
A/F 4	145×55×8	018106	10
A/F 5	145×55×8	018113	10
A/F 6	145×55×8	018120	10
A/F 8	170×70×14	013798	5
A/F 10	170×70×14	018137	5

Model No.	Sets	Card size	JAN code	Inner Ctn.
No.8506HX	No.8500HX A/F 1.5, 2, 2.5, 3, 4, 5	165×80×12	018144	5
No.8509HX	No.8500HX A/F 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10	200×105×25	013828	5

UltraBall Key Wrenches

☆For details, see page 28.



- A/F 1.5
- A/F 2
- A/F 2.5
- A/F 3
- A/F 4
- A/F 5
- A/F 6
- A/F 8
- A/F 10

No.8506BP

No.8509BP

No.8500BP

Name	Card size	JAN code	Inner ctn.
A/F 1.5	110×45×5	013507	10
A/F 2	110×45×5	013514	10
A/F 2.5	110×45×5	013521	10
A/F 3	110×45×5	013538	10
A/F 4	145×55×8	013545	10
A/F 5	145×55×8	013552	10
A/F 6	145×55×8	013569	10
A/F 8	170×70×14	013576	5
A/F 10	170×70×14	013583	5

Model No.	Sets	Card size	JAN code	Inner ctn.
No.8506BP	No.8500BP A/F 1.5, 2, 2.5, 3, 4, 5	165×80×12	013590	5
No.8509BP	No.8500BP A/F 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10	200×105×22	013606	5

Ultra Hex Long Key Wrenches ☆For details, see page 27.



- A/F 1.5
- A/F 2
- A/F 2.5
- A/F 3
- A/F 4
- A/F 5
- A/F 6
- A/F 8
- A/F 10

No.8606HX

No.8609HX

No.8600HX

Model Name	Card size	JAN code	Inner Ctn.
A/F 1.5	170×50×5	013835	10
A/F 2	170×50×5	013842	10
A/F 2.5	170×50×5	013859	10
A/F 3	170×50×5	013866	10
A/F 4	230×60×8	013873	10
A/F 5	230×60×8	013880	10
A/F 6	230×60×8	013897	10
A/F 8	275×70×14	013903	5
A/F 10	275×70×14	013910	5

Model No.	Sets	Card size	JAN code	Inner Ctn.
No.8606HX	No.8600HX A/F 1.5, 2, 2.5, 3, 4, 5	230×80×12	013927	5
No.8609HX	No.8600HX A/F 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10	295×105×25	013934	5

UltraBall Long Key Wrenches ☆For details, see page 28.



- A/F 1.5
- A/F 2
- A/F 2.5
- A/F 3
- A/F 4
- A/F 5
- A/F 6
- A/F 8
- A/F 10

No.8606BP

No.8609BP

No.8600BP

Model Name	Card size	JAN code	Inner Ctn.
A/F 1.5	170×50×5	013613	10
A/F 2	170×50×5	013620	10
A/F 2.5	170×50×5	013637	10
A/F 3	170×50×5	013644	10
A/F 4	230×60×8	013651	10
A/F 5	230×60×8	013668	10
A/F 6	230×60×8	013675	10
A/F 8	275×70×14	013682	5
A/F 10	275×70×14	013699	5

Model No.	Sets	Card size	JAN code	Inner Ctn.
No.8606BP	No.8600BP A/F 1.5, 2, 2.5, 3, 4, 5	230×80×12	018045	5
No.8609BP	No.8600BP A/F 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10	295×105×25	018052	5

Ball Point Key Wrenches

☆For details, see page 29.



A/F 3

A/F 4
A/F 5
A/F 6

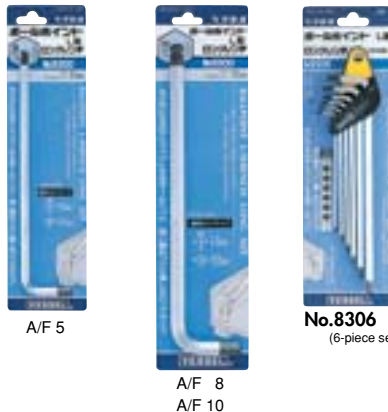
A/F 8
A/F 10

No.8200

Model Name	Card size	JAN code	Outer Ctn.
A/F 3	110×45×5	013736	10
A/F 4	145×55×8	013743	10
A/F 5	145×55×8	013750	10
A/F 6	145×55×8	013767	10
A/F 8	170×70×14	013774	5
A/F 10	170×70×14	013781	5

Ball Point Long Key Wrenches

☆For details, see page 29.



A/F 5

A/F 8
A/F 10

No.8306 (6-piece set)

No.8300

Model Name	Card size	JAN code	Outer Ctn.
A/F 5	230×60×8	013354	10
A/F 8	275×70×14	013378	5
A/F 10	275×70×14	013385	5

Model No.	Sets	Card size	JAN code	Outer Ctn.
No.8306	No.8300 A/F 1.5、2、2.5、3、4、5	230×70×16	013408	5

Card size : Height × Width × Depth (mm)

Ball Point Screwdrivers

☆For details, see page 29.



A/F 5

A/F 8

No.8100

Model Name	Card size	JAN code	Inner Ctn.	Outer Ctn.
A/F 5	290×40×25	102850	5	50
A/F 8	335×40×28.5	102874	5	50

Card size : Height × Width × Depth (mm)

Wire Strippers

☆For details, see page 32.



No.300001
Wire stripper (type A)



No.300002
Wire stripper (type B)



No.300005
Wire stripper (type C)



No.300007
Wire stripper (type VA)



No.300008
Wire stripper (type G)

Model No.	Applicable cable	Card size	JAN code	Outer Ctn.
No.300001	For solid wire 0.5/1.2/1.6/2.0mm	250×110×38	060761	5
No.300002	For solid wire 1.0/1.6/2.0/2.6/3.2mm	250×110×38	060778	5
No.300005	For twisted wire 0.9/1.25/2.0/3.5/5.5mm ²	250×110×38	060792	5
No.300007	For VA/IV wire: 1.65mm x 2 cores / 2.0mm x 2 cores	250×110×38	061133	5
No.300008	For coaxial cable 3.8/5.6mm/For coaxial cable	250×110×38	061140	5

Card size : Height × Width × Depth (mm)



No.3500E-1
Wire stripper



No.3500E-2
Wire stripper



No.3700KR
Cable stripper

Model No.	Applicable cable	Card size	JAN code	Inner Ctn.	Outer Ctn.
No.3500E-1	AWG 24,22,20,18,16,14,12	220×75×13	014108	5	30
No.3500E-2	AWG 30,28,26,24,22,20,18	220×75×13	014115	5	30
No.3700KR	For cable 4.5~26mm φ	180×75×31	014627	1	—

Card size : Height × Width × Depth (mm)

Pliers and Nippers

☆For details, see page 35.



No.511
Long Nose Plier

No.511A
Long Nose Plier (molded grip)

No.513
Long Nose Plier for low current

No.515
Step Long Nose Plier for Low Current

No.521
Micro-Long Nose Plier



No.552
Angular Nipper (with a hole)

No.552A
Angular Nipper
(Molded grip with a hole)



No.555
Standard Nipper

No.581
Powerful Nipper

No.561
Micro Nipper

Model No.	Size	Card size	Inner Ctn.	Outer Ctn.
No.511	150	225×73×10	6	60
No.511A	150	225×73×10	6	60
No.513	150	225×73×10	6	60
No.515	150	225×73×10	6	60
No.521	125	225×73×10	6	60
No.552	150	225×73×18	6	60
No.552A	125 / 150	225×73×18	6	60
No.555	150	225×73×13	6	60
No.581	150	225×73×13	6	60
No.561	100 / 125	225×73×13	6	60

Card size : Height × Width × Depth (mm)

Other Tools

☆For details, see page 34.



No.070110
No.070105
Plastic hammer heads



No.8
Tapered file



No.RG-95
Ratchet rivet gun

Model No.	Size	Card size	JAN code	Outer Ctn.
No.070115	1 1/2 lb.	210×75×41	061027	5
No.070110	1 lb.	170×60×35	061010	5
No.070105	1/2 lb.	170×60×26	061003	5
No.8	—	270×75×12	017208	10
No.RG-95	Nose pieces: 2.4,3.2,4.0,4.8mm	350×140×30	017109	5

Card size : Height × Width × Depth (mm)

TORX® Screwdriver·Wrenches ☆For details, see 30 to 31 pages.



No. TX-10
TORX Screwdriver Set



No. TX-11
TORX Flat Plate
Ratchet Screwdriver



T6~T20



T25~T40
No. 8500TX
TORX Key Wrench



No. 8507TX
7-piece TORX Key
Wrench Set

Model No.	Set content	Package size	JAN code	Outer Ctn.
No. TX-10	T10H, T15H, T20H, T25H, T27H, T30H, T40H ⌀2, ⌀3, ⌀6	235×100×31	062000	10
No. TX-11	T8H, T10H, T15H, T20H, T25H, T27H, T30H, T40H, ⌀2, ⌀6	190×85×27	062017	10
No. 8500TX	T6	110×45×5	062161	10
	T7	110×45×5	062178	10
	T8	110×45×5	062185	10
	T9	110×45×5	062192	10
	T10	110×45×5	062208	10
	T15	110×45×5	062215	10
	T20	110×45×5	062222	10
	T25	145×55×8	062239	10
	T27	145×55×8	062246	10
No. 8507TX	T10, T15, T20, T25, T27, T30, T40,	135×65×17	062277	10

Package size : Height × Width × Depth (mm)

Electrical Knives ☆For details, see 33 pages.



No. VDK-1
Electrical Knife
(Electrician)



No. VDK-2
Electrical Knife
(Master)



No. VDK-3
Electrical Knife
(Expert)



No. VDK-5
Electrical Knife
(Electrician)

Model No.	Package size	JAN code	Outer Ctn.
No. VDK-1	270×70×60	017154	10
No. VDK-2	270×70×60	017161	10
No. VDK-3	270×70×60	017178	10
No. VDK-5	270×70×60	017093	10

Package size: Height × Width × Depth (mm)

Thread Thru Stud Wrenches ☆For details, see 34 pages.



No. ZW-3
Thread Thru Stud Wrench

Model No.	Applicable diameter of threaded area	Weight g	Size including backing paper	JAN code	Outer Ctn.
ZW-3	Thread part: 3/8	224	202×64×27	017116	10
ZW-4	Thread part: 1/2	222	202×64×27	017123	10

Size including backing paper: Height × Width × Depth (mm)

Driver, Bit and Screw Cross-Reference



JIS B 1101 JIS B 1135		Slotted (Reference)		Small screw		Wood screw	
mm		mm		mm		mm	
1.8	0.25	1.0	1.2				
2.5	0.35	1.6	1.8				
3	0.45	2	2.1				
4	0.6	2.2	2.4				
4.5	0.6	3	2.7				
5	0.8	3.5	3.5				
5.5	1.0	4	3.8				
6	1.2	5	4.1				
7	1.2	5	4.8				
8	1.6	8	5.5				
9	1.6	8	6.2				
10	1.8	8	7.5				

JIS B1122 JIS B1112 JIS 10-70		Phillips		Supadriv		Small screw		Tapping screw		Wood screw	
mm		mm		mm		mm		mm		mm	
No.0						1.4					
						1.7					
						2					
						2.3					
						2.6					
						2					
						2.2					
						2.3					
						2.5					
						2.6					
						2					
						2.2					
						2.5					
						2.5					
						2.7					
						2.1					
						2.7					
						3.1					
						3.5					
						3.5					
						3.8					
						4					
						4.1					
						4.5					
						4.5					
						4.8					
						5.1					
						5.5					
						5.8					
						6.2					
						6.8					
						7.5					
						8					
						8					
						9.5					

※Truss screws are No.1

JIS B 1176 JIS B 1177		Hex		Ball point		Hexagon recess bolt		Hexagon recess locking screw		Hexagon head tapping screw	
mm		mm		mm		mm		mm		mm	
H1.5	1.6	3									
H2	2.5	4									
H2.5	3	5									
H3	4	6									
H4	5	8									
H5	6	10									
H6	8	12									
H8	10	16									
H10	12	20									
H12	14	24									

JIS B 1180 JIS B 1181 JIS B 1123		Socket		Hexagon head bolt		Hexagon nut		Hexagon head tapping screw		Hexagon head tapping screw	
mm		mm		mm		mm		mm		mm	
H4	2	2									
H4.5		2.2									
H5	2.5	2.5	2.9								
H5.5	3	3	3.5								
H6	3.5	3.5									
H7	4	4	4.2								
H8	5	5	4.8								
H10	6	6	5.5								
H11	7	7	6.3								
H12	(8)	(8)									
H13	(8)	8	8								
H14	(10)	(10)									
H17	10	10	10								
H19	12	12	12								
H21	14	14									
H24	16	16	18								

W : Whit screw. See former JIS.
() for small bolt nut.

JASO F116-89		Truss (Reference)		Small screw		Tapping screw		TORX recess bolt		TORX recess locking screw	
mm		mm		mm		mm		mm		mm	
T1	0.84	1	1	1.6	1.8						
T2	0.94	1.2	1.2	2							
T3	1.12	1.4	1.4	2.2							
T4	1.3	1.6	1.6								
T5	1.37	2	2	2.5							
T6	1.65	2	2	3							
T7	1.97			3.5							
T8	2.3	2.5	2.5	2.5	4						
T9	2.48			4.5							
T10	2.72	3	3	3	5						
T15	3.26	3.5	3.5	3.5							
T20	3.84	4	4	4.5	6						
T25	4.4	5	5	4	7						
T27	4.96			4.5	8						
T30	5.49	6	6	6							
T40	6.6	8	8	7	10						
T45	7.77			8	12						
T50	8.79	10	10	10	14						

See JASO F116-89.