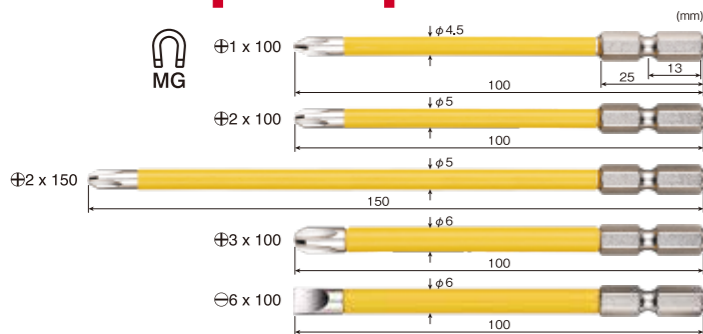
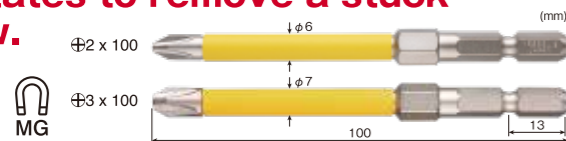


8mm spanner bolster

Line-up : Replacement Bits for the 220USB-1E



Spanner hexagon bolster facilitates to remove a stuck screw.



Slim and tube-covered shank type.



Replacement Bits

Model No.	Size	Card Size(mm)	Inner Ctn.	Outer Ctn.	EDP No.
USB161100	Φ1×φ4.5×100	160×35×8	10	200	485801
USB162100	Φ2×φ5×100	160×35×8	10	200	485802
USB162150	Φ2×φ5×150	180×35×8	10	200	485803
USB163100	Φ3×φ6×100	160×35×8	10	200	485804
USB166100	Φ6×φ6×100	160×35×8	10	200	485805

Replacement Bits with Spanner Hexagon Bolster

Model No.	Size	Card Size(mm)	Inner Ctn.	Outer Ctn.	EDP No.
USB162100S8	Φ2×φ6×100	160×35×8	10	200	485807
USB163100S8	Φ3×φ7×100	160×35×8	10	200	485806

- Caution**
- Be sure to fully read the instruction manual of the product.
 - Be careful of the short-circuit accident or electricity shock during electric work.
 - Overloaded use may cause damages in screws or injuries.
 - Keep away this product from children.

POINT 01 Can tighten or loosen with a spanner (also adjustable spanner). Good for applications requiring a high torque work.

POINT 02 A tube covers the bit shank for prevention of short-circuit accidents or scratch damages on your product. *Not insulated. Be careful because the hexagon bolster can conduct electricity.

POINT 03 Good for loosening screws stuck because of rust, and for high torque screw tightening. Also good for switchboard disassembly and transfer.

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●Specifications, dimensions, and others, may be subject to change without prior notice.

New

USB Rechargeable Screwdriver

No. 220USB-1E



Screwdrivers make progress.

Replacement bits also make progress.

New
With a spanner hexagon bolster



Made in Japan



6.35 mm

High Brightness LED

3.6v 800mAh

Li-ion Battery

Electric

Electric-powered quick tightening!!

Manual

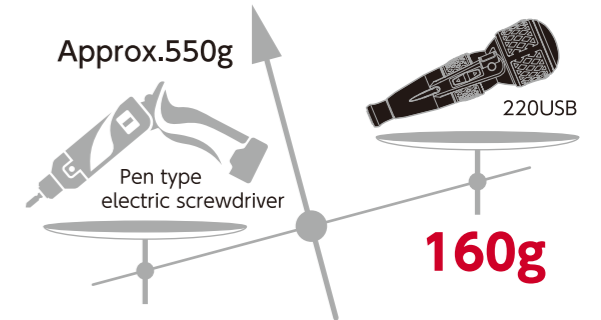
Manual final tightening!!

Electric or facility work | Switchboard assembly | Equipment maintenance | Automotive or motorcycle maintenance | DIY

VESSEL's Ball Grip Screwdrivers, providing the outstanding work efficiency, have made great progress. An electric-powered new solution with a lithium-ion battery and a motor.

Outstanding Efficiency

Light-weight
Carry the 220USB-1E in your waist bag.



Switch

Sliding switch enables to change the rotation direction, either clockwise or counterclockwise, with a light force.



USB Recharge
Easy to recharge via USB terminal.

3.6V
800mAh
Battery Charge Lamp
Li-ion Battery



* For circuit-board protection, the lamp of the 220USB flashes red and the screwdriver stops operation, when a load such as 2N·m or over is given during electric-powered use. If the charge level of the battery is less than 15%, the battery charge lamp will flash red during operation.

High Brightness
LED
LED light

Illuminates in a dark working place.



Delay light type, also illuminating 5 seconds after stop.

Sleeve Chuck

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

Highly durable gear built-in.



6.35 mm High speed revolutions improves work efficiency!
No-load revolutions : 280min⁻¹

Can be used with a screw upto M6.
Torque range : Electric 2N·m or less,
Manual 10N·m or less

Electric-powered hand tool newly available.
VESSEL Electric-powered Ball Grip Screwdriver



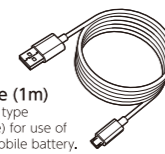
Main Body	
Name	USB Rechargeable Screwdriver
Model	220USB-1E
Battery capacity	Li-Ion 3.6V 800mAh
No-load revolutions (max)	280min ⁻¹
Torque (max)	2N·m (Electric)
Rated torque (manual turning)	10N·m
Sleeve	Hex 6.35mm, Aluminum sleeve chuck
Applicable bit	Hex 6.35mm, Single-end or Double-end bit
Charging time	Approx. 60min.
Number of charges*	Approx. 500times
Continuous use time	Approx. 40min. (no-load)
Number of screw tightening	Approx. 200times (M4x20mm)
Charging method	Micro USB-typeB, USB charging
Input (max)	5V 1A
Weight	160g (Accessories not included)
Operation/charging environment	-10°C~45°C / 0°C~40°C

No. 220USB-1E

USB Rechargeable Screwdriver

•Accessories : USB cable, Bit (1pc each)

USB Charging Cable (1m)
*Get the Output 5V/1A type (commercially available) for use of the AC adapter or a mobile battery.



Outer Carton: 5 sets

Model No.	Accessories	EDP No.
220USB-1E	Bit : Φ2 (100mm) USB Charging Cable (1m)	148513

Package size: W105 x H250 x D75(mm)

Battery Charger	
Input	100~240VAC, 50/60Hz
Output	5V 1A

*Actual battery lifetime may vary, depending on the use conditions and storage conditions.
*Battery cannot be replaced.

How to use

- Slide the switch forward to rotate to the right (clockwise; tighten), and slide backward to rotate to the left (counterclockwise; loosen).
- Position yourself and hold the grip firmly.

How to hold for electric assistance



- Operate the switch to start tightening. (**Tentative tightening**)
- Release the switch at the moment when the screw sits. Then, hold again the grip to tighten slowly by hand (**final tightening**) until you feel that the gears were locked.

How to hold for manual use



<Note>
Excessive load will lead to failure. Do not use this product for a screw that needs to be loosened with two hands. The small gears are built in so that the screwdriver fits into the waist sack.