

e-ASSIST[®] MINI Ratchet Wrench

The Game Changer



e-ASSIST[®]
ELECTRIC & MANUAL

e-ASSIST[®] MINI Ratchet Wrench

e-ASSIST®

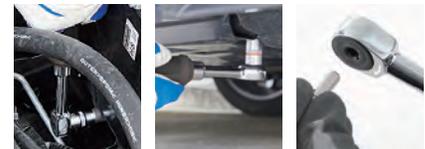
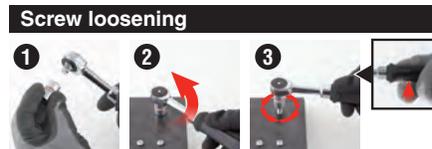
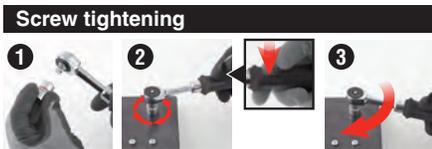
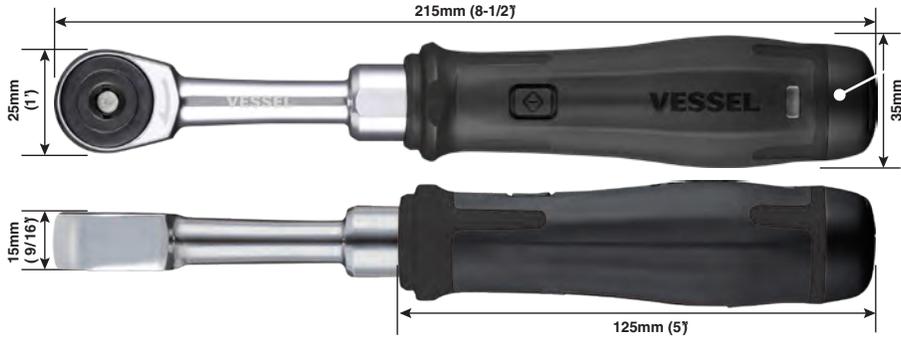
ELECTRIC & MANUAL

Electric Output
8.85 lbf-in

Manual Torque
531 lbf-in (44 ft-lbs)

60 tooth-gear

No-load Speed
400 rpm



e-ASSIST® MINI Ratchet Wrench Set

- Electric Power for SPEED, Manual for Greater POWER
- 60 Tooth-Gear
- No-Load Speed 400RPM
- Electric Output 8.85 lbf-in, Manual Torque 531 lbf-in (44 ft-lbs)
- USB Type-C
- included 1/4" & 3/8" Socket Adapter
- included 10pcs Socket (5mm -14mm), 18pcs Bits
- 2 extension bars, 1 Universal Joint
- Made in Japan



Model No.	Set Contents	Code
400ER21MU	e-ASSIST® Ratchet Wrench Bit: ⊕1,2,3, ⊖SL4,SL6 ●T10H,15H,20H, 25H,27H,30H,40H ●H2,2.5,3,4,5,6 Socket : ○H5,6,7,8,9,10,11,12,13,14 1/4" & 3/8" Socket Adapter Universal Joint, Extension bars(3", 5") USB Charging Cable (Type-C)	147214

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- No-Load Speed 400RPM
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- USB Type-C
- included 1/4" & 3/8" Socket Adapter
- 1 Universal Joint
- Made in Japan



Model No.	Set Contents	Code
400ER2U	e-ASSIST® Ratchet Wrench 1/4" & 3/8" Socket Adapter Universal Joint USB Charging Cable (Type-C)	147215

Adapter 3/8" for e-ASSIST® MINI Ratchet Wrench

- Attach to e-ASSIST® MINI Ratchet to use SQ3/8" sockets.



Model No.	mm	inch	Pack QTY
400ERSA38	22	7/8"	3

Adapter 1/4" for e-ASSIST® MINI Ratchet Wrench

- Attach to e-ASSIST® MINI Ratchet to use SQ1/4" sockets.



Model No.	mm	inch	Pack QTY
400ERSA14	18	3/4"	3

⊕ JISDRIVE Sets



DO YOU KNOW JISDRIVE?

Have you ever worked on Japanese vehicles and had problems with the screwdriver not fitting well or stripping the screw head? Use the correct tool – try our JISDRIVE instead.

NEW JISDRIVE Sets OUT NOW!!

⊕ Cross Point Tip Set

See page 31 for more JISDRIVE Screwdriver Set

WOOD-COMPO™ JISDRIVE Screwdriver 4PC. Set CRIMSON EDITION

- INCLUDES 4PCS JISDRIVE Screwdrivers, ⊕1, ⊕2, ⊕ 2, ⊕3
- Extraordinary non-slip grip; Secure working efficiency even with oily hands
- Wood-composite material, reproducing the natural material texture
- Anti-corrosion black chrome plated blade



Magnetic



Model No.	Set Contents
3304JSPBCR	No.300 WOOD-COMPO™ Screwdriver ⊕1×75, 2×100 No.330 WOOD-COMPO™ Tang-Thru Screwdriver ⊕2×150, 3×150

JISDRIVE IMPACT BALL™ Torsion Bit 33PC. Set

- 33PC. IMPACT BALL Torsion Bits in hard case
- Includes 2-5/8" and 6" length of impact ball bit holders, ⊕1, ⊕2, ⊕3 JISDRIVE tip sizes with various lengths at 30mm, 50mm, 90mm, and 150mm, and a Mag Enhancer
- VESSEL's original Cross-Point tip profile for best fitting especially with Japanese (JIS) screws
- IMPACT BALL Torsion Technology for High Power Impact Drivers
- High wear-resistance and durable bit made by VoHA material
- Highest Hardness 62HRC by in-house optimum heat treatment
- Magnetized Tip
- Made in Japan



Magnetic



FOR IMPACT DRIVER

Model No.	Set Contents	mm	inch
IB33JSP01U	⊕1(2), 2(3), 3(3)	30	1-3/16"
	⊕1(2), 2(3), 3(3)	50	2"
	⊕1(2), 2(3), 3(3)	90	3-1/2"
	⊕1(2), 2(2), 3(2)	150	6"
	IMPACT BALL™ Torsion Bit Holder	67	2-5/8"
	IMPACT BALL™ Torsion Bit Holder	150	6"
	MAG ENHANCER		

SP LINE

**Shock absorption! Low noise!
Improved operability!**



Filter for Silencer

1,000 Max Torque
ft-lbs

1/2"
Drive Size

3/4"
Bolt Capacity

5.5 lb
(2.5kg)

GEL
Grip

Gel-containing Grip

MADE IN JAPAN

VESEL New Air Tool Series

SP LINE

- VESSEL continually develops products, pursuing low noise, low vibration, and high durability.
- Specifications suitable for industrial use as well as automotive maintenance will be taken into consideration for the developed products.



VSP-1148

1/2" Air Impact Wrench

- Max Torque: 1,000 ft-lbs
- Twin Dog Hammer Mechanism enables efficient hammering
- Gel-type elastomer-filled grip absorbs vibrations
- A filter built into the exhaust port reduces exhaust noises.
- Newly designed adjustment lever.
- 3-step torque setting.
- Protector prevents the aluminum body from being scratched when placed.
- Made in Japan



[Mechanism]

■ Noise / Vibration

Noise	L _{PA}	[dBA]	93
	L _{WA}	[dBA]	104
Conforms to ISO 4871			
Vibration		[m/s ²]	11.6

*Air pressure 90PSI, Adjustment lever at a maximum torque position.

SP LINE

Model No.	Sq. Drive.	Bolt Capacity	Max. Torque	Free Speed	Overall Length	Net Weight
VSP-1148	1/2"	3/4"	1,000 ft-lbs	6,600 rpm	7.8"	5.5 lbs.

- Operating air pressure: 90PSI ● Overall length/Weight...Accessory is not included.
- Capacity and torque values are for instant reference, subject to change depending on the actual operating conditions and others.