

GASOLINE ENGINE TOOLS

Outstanding balance characteristics

VESSEL's gasoline engine tools are provided with features to achieve an optimum balance, such as an ergonomically designed body with impact-absorbing grip and a perfectly adjusted hammering mechanism to reduce the backlash to the user's wrists.

Portable!



Model No.
GT-3500GE-V
(EDP No.338601)

3 models are available:

- *EURO V EMISSION CONTROL approved model
- *U.S. EPA Phase 3 approved model
- *Australian EMISSION CONTROL approved model

MADE IN JAPAN

Gasoline Engine Impact Wrench

GT-3500GE-V

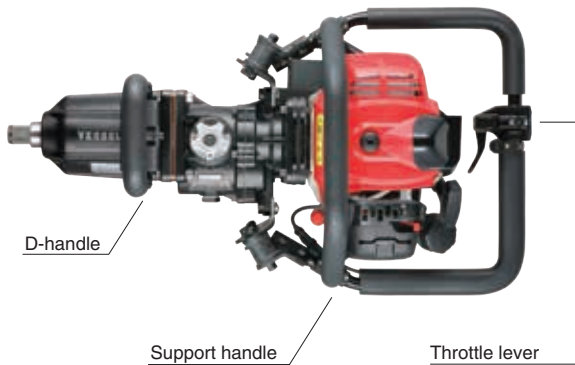


※Photo in this page : GT-3500GE-V (Code No.338601)

Engine	Type	Two Stroke, Air Cooled
	Displacement	41.5cc
	Fuel Tank Capacity	1 liter
	Fuel Mixture Ratio	25~50:1 (Unleaded gasoline: 2 stroke engine oil)
	Revolution (idling) Revolution (loaded, impact) Revolution (non loaded, max)	2,500-3,000rpm 6,500-6,800rpm 9,800rpm
Ignition	Type	CDI
	Spark Plug Type	NGK PBM8Y
Carburetor	Type	Diaphragm
	Square Driver Size	25.4mm (1")
Impact	Fastening Torque Range	1,700N.m (Full Throttle) 900N.m (Half Throttle)
	Free Speed	1,200 rpm
	Capacity	Bolt Diameter
Size	W × L × H	330 × 700 × 390 (mm)
	Weight	Without fuel
Code No.		GT-3500GE-V (EURO V EMISSION CONTROL)
	GT-3500GE-V-US (U.S. EPA Phase 3)	338602
	GT-3500GE-V-AU (Australian EMISSION CONTROL)	338603

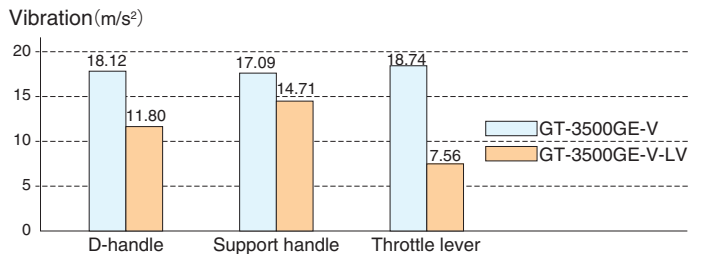
**Gasoline Engine Impact Wrench w/Damper Unit
(EURO V EMISSION CONTROL)**

GT-3500GE-V-LV



Size	W390 × L680 × H346(mm)
Weight	21.6kg (47.62 lbs)
Code No.	338605

※For more details, refer to the specification table of basic GT-3500GE-V unit above.



HAND TOOLS

INDUSTRIAL BITS

CONSTRUCTION BITS

RECIPROCATING SAW BLADES

ELECTRIC TOOLS

AIR TOOLS

AIR NIPPERS

STATIC SOLUTIONS

GASOLINE ENGINE TOOLS

Driver, Bit and Screw Cross-Reference

HAND TOOLS
INDUSTRIAL BITS
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Hand Tools	Industrial Bits	Construction Bits	Reciprocating Saw Blades	Electric Tools	Air Tools	Air Nippers	Static Solutions	Gasoline Engine Tools
		JIS B 1101 JIS B 1135	Small screw Wood screw	1.8 2.5 3 4 4.5 5 5.5 6 7 8 9 10	1.8 2 2.2 2.5 2.7 3 3.1 3.5 3.5 3.8 4.1 4.5 4.8 5.1 5.5 5.8 6.2 6.8 7.5 8	1.2 1.6 1.8 2.1 2.4 2.7 3 3.5 3.8 4.1 4.5 4.8 5.1 5.5 5.8 6.2 6.8 7.5 8	1.2 1.6 1.8 2.1 2.4 2.7 3 3.5 3.8 4.1 4.5 4.8 5.1 5.5 5.8 6.2 6.8 7.5 8	1.2 1.6 1.8 2.1 2.4 2.7 3 3.5 3.8 4.1 4.5 4.8 5.1 5.5 5.8 6.2 6.8 7.5 8
		JIS B 1111 JIS B 1122 JIS B 1112 JIS B 1124 JCIS 10-70	Small screw Tapping screw Wood screw Drill screw	No.0 No.0 No.1 No.1 No.2 No.2 No.3 No.3 No.4 No.4	1.4 1.6 1.7 2 2.2 2.3 2.6 2 2.2 2.3 2.5 2.6 3 3.5 3.8 4.1 4.5 4.8 5.1 5.5 5.8 6.2 6.8 7.5 8 9.5	1.4 1.6 1.7 2 2.2 2.3 2.6 2 2.2 2.3 2.5 2.6 3 3.5 3.8 4.1 4.5 4.8 5.1 5.5 5.8 6.2 6.8 7.5 8 9.5	1.4 1.6 1.7 2 2.2 2.3 2.6 2 2.2 2.3 2.5 2.6 3 3.5 3.8 4.1 4.5 4.8 5.1 5.5 5.8 6.2 6.8 7.5 8 9.5	1.4 1.6 1.7 2 2.2 2.3 2.6 2 2.2 2.3 2.5 2.6 3 3.5 3.8 4.1 4.5 4.8 5.1 5.5 5.8 6.2 6.8 7.5 8 9.5
		JIS B 1176 JIS B 1177	Hex recess bolt Hexagon recess bolt Hexagon recess locking screw	H1.5 H2 H2.5 H3 H4 H5 H6 H8 H10 H12	1.6 2 2.5 3 4 5 6 8 10 12 16 20 24	1.6 2 2.5 3 4 5 6 8 10 12 16 20 24	1.6 2 2.5 3 4 5 6 8 10 12 16 20 24	1.6 2 2.5 3 4 5 6 8 10 12 16 20 24
		JIS B 1180 JIS B 1181 JIS B 1123	Hexagon head bolt Hexagon nut Hexagon tapping screw Hexagon locking screw	H4 H4.5 H5 H5.5 H6 H7 H8 H10 H11 H12 H13 H14 H16 H17 H18 H19 H21 H22 H24	2 2 2.5 3 3.5 4 4 5 6 7 8 8 10 10 10 12 12 14 14 14 14 16 16 18 18	2 2 2.5 3 3.5 4 4 5 6 7 8 8 10 10 10 12 12 14 14 14 14 16 16 18 18	2 2 2.5 3 3.5 4 4 5 6 7 8 8 10 10 10 12 12 14 14 14 14 16 16 18 18	2 2 2.5 3 3.5 4 4 5 6 7 8 8 10 10 10 12 12 14 14 14 14 16 16 18 18
		JIS B 1107 JIS B 1128 JIS B 1136 JASO F116-89	Small screw Tapping screw TORX recess bolt TORX recess locking screw	T1 T2 T3 T4 T5 T6 T7 T8 T9 T10 T15 T20 T25 T27 T30 T40 T45 T50	0.84 0.94 1.12 1.3 1.37 1.65 1.97 2.3 2.48 2.72 3.26 3.84 4.4 4.96 5.49 6.6 7.77 8.79	1 1.2 1.4 1.6 2 2 2.5 2.5 3 3 3.5 4 4 4.5 5 5 6 8 8 10 10	1 1.2 1.4 1.6 2 2 2.5 2.5 3 3 3.5 4 4 4.5 5 5 6 8 8 10 10	1 1.2 1.4 1.6 2 2 2.5 2.5 3 3 3.5 4 4 4.5 5 5 6 8 8 10 10

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

Guideline for Air Nipper Cutting Capability

For air nipper blades, the cutting capability changes depending on the shape and types of articles to be cut. Use the values in the following table as reference.



Slide-off air nipper blade

Model No.		Capacity ϕ			
Body No.	Type	Soft Plastic	Hard Plastic	Copper	Steel
NY03	AJ	2.0	1.3		
NY03	AJL	1.6	1.1		
NY03	AJT	2.0	1.3		
NY03	RAJ	2.0	1.3		
NY03	RAJL	1.6	1.1		
NY05	BJ		2.0	1.6	1.0
NY05	AJ	3.0	2.0		
NY05	AJL	2.8	1.6		
NY05	AJB	3.0	2.0		
NY05	AJT	3.0	2.0		
NY05	AH	3.0	2.0		
NY05	RBJ		2.0	1.6	1.0
NY05	RAJ	3.0	2.0		
NY05	RAH	3.0	2.0		
NY05	RAJL	2.8	1.6		
NY05	RAJB	3.0	2.0		
NY10	AJ	3.5	2.3		
NY10	AJL	3.2	2.1		
NY10	AD	2.3	1.6		
NY10	AJB	3.5	2.3		
NY10	AJT	3.5	2.3		
NY10	AH	3.5	2.3		
NY10	RAJ	3.5	2.3		
NY10	RAH	3.5	2.3		
NY10	RAJL	3.2	2.1		
NY10	RAJB	3.5	2.3		
NY15	AJ	4.0	2.6		
NY15	AJL	3.7	2.3		
NY15	AD	2.6	2.2		
NY15	AJB	4.0	2.6		
NY15	AJT	4.0	2.6		
NY15	AH	4.0	2.6		
NY15	RAJ	4.0	2.6		
NY15	RAH	4.0	2.6		
NY15	RAJL	3.7	2.3		
NY15	RAJB	4.0	2.6		
NY25	AJ	5.0	3.4		
NY25	AJL	4.7	3.0		
NY25	AD	3.3	2.0		
NY25	AJB	5.0	3.4		
NY25	AH	5.0	3.4		
NY25	RAJ	5.0	3.4		
NY25	RAH	5.0	3.4		
NY25	RAJL	4.7	3.0		
NY25	RAJB	5.0	3.4		

For Horizontal-Type (Normal-Reversed)

Air nipper blade

Model No.		Capacity ϕ				
Body No.	Type	Soft Plastic	Hard Plastic	Copper	Steel	Piano Wire
N3	AS			1.0	0.5	
N3	HS			1.0	0.5	
N3	AP	2.0				
N3	AE	2.0				
N3	AE406	1.5	0.8			
N3	BJ			1.0	0.5	
N5	AS			1.0	0.5	
N5	HS			1.0	0.5	
N5	AP	2.0				
N5	AE	2.0				
N5	BJ			1.0	0.5	
N7	AS			1.6	1.0	
N7	HS			1.6	1.0	
N7	AP	3.0	2.0			
N7	PF	3.0	2.0			
N7	AE	3.0	2.0			
N7	BJ			1.6	1.0	
N10	AS			1.8	1.2	
N10	HS			1.8	1.2	
N10	AP	4.0	2.6			
N10	LAB152	3.5	2			
N10	LAJ141	3.5	2			
N10L	AS			1.8	1.2	
N10L	AP	4.0	2.6			
N10L	PF	4.0	2.6			
N12	AS			2.3	1.7	
N12	HS			2.3	1.7	
N12	AP	4.5	4.0			
N20	AS			2.6	2.0	
N20	HS			2.6	2.0	
N20	AG			2.6	2.0	
N20	AP	7.0	5.0			
N20	AJ	7.0	5.0			
N20	AJL	6.0	4.0			
N20	AJB			5.0		
N20	PF	7.0	5.0			
N20	AH	6.0				
N20	AE	7.0	5.0			
N20	BFB			2.6	2.0	1.2
N20	AML1498	10×1.5	8×1			
N20	AMR1499	10×1.5	8×1			
N20	AB360	6.5	4.5			
N20	AA239	6.5	4.5			
N20	AB39	6.5	4.5			
N20	AE19A	6	4			
N20	AA27	6.5	4.5			
N20	AK249	5.5	3.5			
N20	AE1205	5.5	3.5			
N30	AS			3.3	2.8	
N30	BBB			3.3	2.8	1.2
N30	AP	10.0	6.5			
N30	AJ	10.0	6.5			
N30	AJL	8.0	5.0			
N30	PF	10.0	6.5			
N30	AE	10.0	6.5			
N30	ACD	(Bare terminal ^{1, 25sq} _{2.0sq})				
N30	AE2125	6.5	4.5			
N30	AA114	8	5			
N30	AE53	7	4.5			
N30	AL525	7	4.5			
N30	AJ163	8	5			
N30	AML1435	15×2	10×1.5			
N30	AMR1395	15×2	10×1.5			
N50	AS			5.5	4.5	
N50	BBB			5.5	4.5	2.0
N50F	PFL	9.5	5.5			

For Vertical-Type (Normal and Reversed combined)

NM blade

Model No.		Capacity ϕ			
Body No.	Type	Soft Plastic	Hard Plastic	Copper	Steel
NM20	AJ	7.0	5.0		
NM20	AP	7.0	5.0		
NM20	AE	7.0	5.0		
NM30	AJ	10.0	6.5		
NM30	AP	10.0	6.5		
NM30	AE	10.0	6.5		

For Double Action Air Nipper

Model No.		Capacity ϕ			
Body No.	Type	Soft Plastic	Hard Plastic	Copper	Steel
NW1	BJ			1.0	0.5
NW10	AJ		4.0		
NW10	BJ			1.8	1.2
NW20	AJ		6.5		
NW20	BJ			2.6	2.0
NW30	AJ		9.5		
NW30	BJ			3.3	2.8

• Steel wire is non-heat treated.
• Piano wire=HV320 or below.

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ELECTRIC TOOLS


















AIR TOOLS

AIR NIPPERS

STATIC SOLUTIONS

GASOLINE ENGINE TOOLS

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

<p>HAND TOOLS</p> <p>Hand Tools</p> 	<p>https://www.vessel.co.jp/english/support/safety/handtools.html</p> <ul style="list-style-type: none"> • Always wear protective goggles when working with the product. • Do not use the product if any abnormality such as cracks, chipping, abrasion, or deformation is found. • Make sure of the applications, size, and usage that are suitable for the product before use. • Do not use the product in place of a hammer, crowbar, or lever. • Do not use the product in which electricity is running. • Do not modify the product. 
<p>INDUSTRIAL BITS</p> <p>Industrial Bits</p> 	<p>https://www.vessel.co.jp/english/support/safety/bit.html</p> <ul style="list-style-type: none"> • Read the instruction manual of the power tool carefully before use. • Always wear protective goggles when working with the product. • Be sure to shut off the power source before mounting or replacing bits. • Do not use the product if any abnormality such as cracks, chipping, abrasion, or deformation is found. • Never attempt to operate the power tool at no-load with the product attached. • Do not use the product in which electricity is running. • Do not modify the product. 
<p>CONSTRUCTION BITS</p> <p>Construction Bits</p> 	<p>https://www.vessel.co.jp/english/support/safety/bit.html</p> <ul style="list-style-type: none"> • Read the instruction manual of the power tool carefully before use. • Always wear protective goggles when working with the product. • Be sure to shut off the power source before mounting or replacing bits. • Do not use the product if any abnormality such as cracks, chipping, abrasion, or deformation is found. • Never attempt to operate the power tool at no-load with the product attached. • Do not use the product in which electricity is running. • Do not modify the product. 
<p>RECIPROCATING SAW BLADES</p> <p>Reciprocating Saw Blades</p> 	<p>https://www.vessel.co.jp/english/support/safety/saw_blades.html</p> <ul style="list-style-type: none"> • Check the applications and capabilities of the blade. • Read the instruction manual of the power tool carefully. • Always shut off the power source when replacing blades. • Before use, make sure that the blade is not loosely mounted. • Do not overload the product as this may cause damage to the blade. • Do not touch the blade just after stopping to use because they are hot. • Wear protective goggles and gloves when using the product. • Stop using the product if any abnormality is found. 
<p>ELECTRIC TOOLS</p> <p>Electric Tools</p> 	<p>https://www.vessel.co.jp/english/support/safety/electric.html</p> <ul style="list-style-type: none"> • Always wear protective goggles when working with the product. • Be sure to shut off the power source before mounting or replacing the tip tools. • Be sure to use a tip tool for power tools. • Do not use the product if any abnormality such as cracks, chipping, abrasion, or deformation is found. • Never attempt to operate the product at no-load with a tip tool mounted on the product. • Do not use the product in which electricity is running. • Do not disassemble or modify the product. 
<p>AIR TOOLS</p> <p>Air Tools</p> 	<p>https://www.vessel.co.jp/english/support/safety/airtools.html</p> <ul style="list-style-type: none"> • Use protective items such as a helmet, safety glasses, earplugs, dust mask, safety shoes, and others, depending on the work. • When installing or replacing the tip tools, be sure to shut off the air supply source. • Be sure to use a tip tool for power tools. • Do not use the product if any abnormality such as cracks, chipping, abrasion, or deformation is found. • Never attempt to operate the product at no-load with a tip tool mounted on the product. • Do not use the product in which electricity is running. • Do not modify the product. 
<p>AIR NIPPERS</p> <p>Air Nippers</p> 	<p>https://www.vessel.co.jp/english/support/safety/airnipper.html</p> <ul style="list-style-type: none"> • Do not touch the blade. • Always wear protective goggles and earplugs when working with the product. • When installing or replacing blades or the nipper, be sure to shut off the power source. • Do not use the product if any abnormality such as cracks, chipping, abrasion, or deformation is found. • Do not use the product in which electricity is running. • The product may cause vibration. • Do not modify the product. 
<p>STATIC SOLUTIONS</p> <p>Static Solutions</p> 	<p>https://www.vessel.co.jp/english/support/safety/staticelectric.html</p> <ul style="list-style-type: none"> • Do not use the product in the environments requiring the explosion-proof measures. • Do not use the product in an atmosphere containing flammable or combustible substances. • Do not use the product in an environment subject to rapid temperature changes or where condensation occurs. • Do not use the product in a place where it is exposed to water, solvents, oil, etc. or in a humid place. • Do not use the product with the power supply standard or the air pressure other than those specified in the specifications. • Do not disassemble or modify the product. 
<p>GASOLINE ENGINE TOOLS</p> <p>Gasoline Engine Tools</p> 	<p>https://www.vessel.co.jp/english/support/safety/gasolineengine.html</p> <ul style="list-style-type: none"> • In case any crack, chip, or deformation is observed, stop using the unit immediately. • Do not use the unit or fill fuel in presence of flame or spark. • Make sure to use two cycle oil with gasoline at mixture ratio of 1:25. • The unit emit vibration, heat and exhaust fumes. • Always wear eye, head and ear protectors when using this tool. 