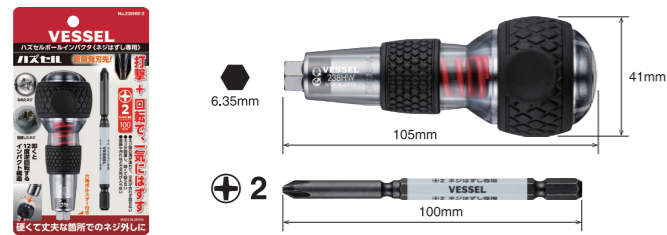


"HAZSEL" Ball Impacta **238HW-2NEW**

- Bit-replaceable Ball Grip with a function to the bit turns counter-clockwise by 12° when tapped with a hammer.
- Stuck screws can be loosened at once with strong hammering.
- With a hex bolster (width across-flat 10mm) that enables to apply force to large screws or stuck screws.
- Comes with 1pc. of bit for $\varnothing 2 \times 100$ mm that is dedicated for screw removal.



Code No.	Model No.	Set content	Card size (mm)	JAN (4907587)
125251	238HW-2	●Ball Impacta Grip ●"HAZSEL" Bit $\varnothing 2 \times 100$ mm	160x95x42	035073

SPQ...10sets

"HAZSEL" Ball Grip Tang-Thru **230HW-2NEW**

- Tang-thru type bit-replaceable Ball Grip. Can be tapped with a hammer.
- Make the bit tip-end bite into the screw recess carefully by tapping with a hammer and loosen the screw slowly by applying force with a hand.
- With a hex bolster (width across-flat 10mm) that enables to apply force to large screws or stuck screws.
- Comes with 1pc. of bit for $\varnothing 2 \times 100$ mm that is dedicated for screw removal.



Code No.	Model No.	Set content	Card size (mm)	JAN (4907587)
125252	230HW-2	●Ball Grip Tang-Thru Grip ●"HAZSEL" Bit $\varnothing 2 \times 100$ mm	160x95x42	035080

SPQ...10sets

Ball Grip (Bit-replaceable Tang-Thru) w/Hex Bolster **230HW NEW**

- Tang-thru type bit-replaceable Ball Grip. Can be tapped with a hammer.
- Compatible with H6.35mm drive bit. Can be used as a familiar Ball-Grip screwdriver.



Code No.	Model No.	Grip size	Card size (mm)	JAN (4907587)
125253	230HW	OAL 105mm Grip max. dia. 41mm	148x50x44	035097

*Use the dedicated replacement bit ("HAZSEL" bit) when hammering. SPQ...10sets

VESSEL Co., Inc.

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VESSEL EUROPE

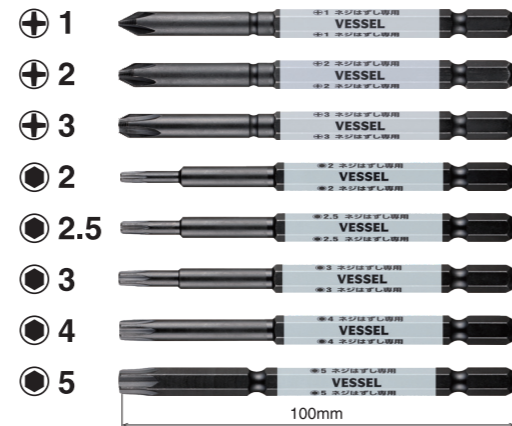
contact@vessel-europe.com
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VESSEL TOOLS U.S.A., INC.

sales@vesseltoolsusa.com
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"HAZSEL" Bit **HZ16 NEW**

- Newly designed tip-end with wedge-shaped tip and cam-out prevention, that is dedicated to screw removal.
- Use for screw removal in combination with Ball Impacta and Ball Grip Tang-Thru.
- Can also be used with electric impact drivers.



Code No.	Model No.	Content	Card size (mm)	JAN (4907587)
485811	HZ161100	for $\varnothing 1$ OAL 100 mm	160x35x10	034991
485812	HZ162100	for $\varnothing 2$ OAL 100 mm	160x35x10	035004
485813	HZ163100	for $\varnothing 3$ OAL 100 mm	160x35x10	035011
485814	HZ16H2010	for $\varnothing 2$ mm OAL 100 mm	160x35x10	035028
485815	HZ16H2510	for $\varnothing 2.5$ mm OAL 100 mm	160x35x10	035035
485816	HZ16H3010	for $\varnothing 3$ mm OAL 100 mm	160x35x10	035042
485817	HZ16H4010	for $\varnothing 4$ mm OAL 100 mm	160x35x10	035059
485818	HZ16H5010	for $\varnothing 5$ mm OAL 100 mm	160x35x10	035066

SPQ...10sets

Video for how to use (Japanese only)



<https://www.vessel.co.jp/sp/hazsel/>



Cardboard for store display (Please consult us) (W400 x H500mm)

Distributed by

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

24000000.00

New

"HAZSEL" Ball Impacta No.238HW-2
"HAZSEL" Ball Grip Tang-Thru No.230HW-2
"HAZSEL" Bit No.HZ16 Series



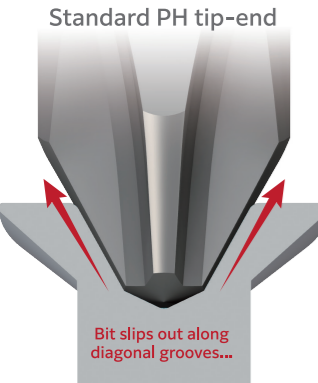

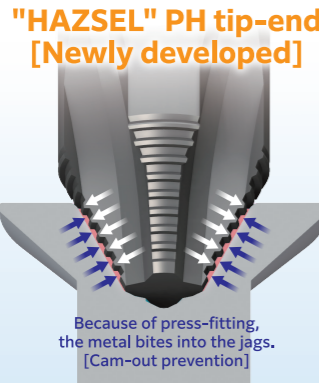
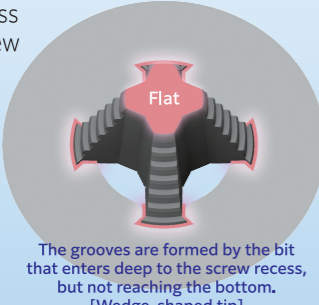
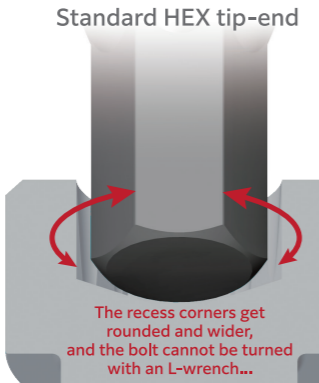
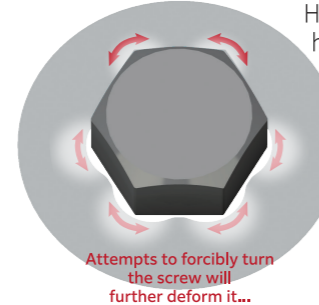
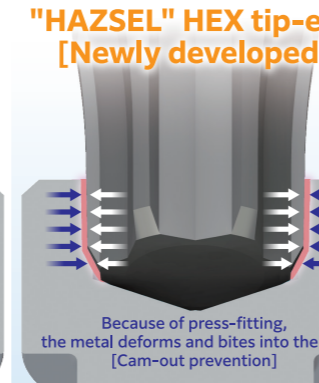
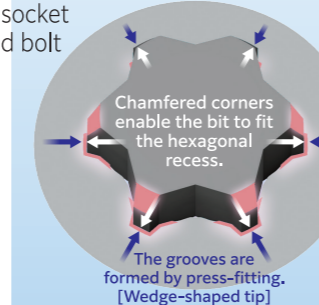
Cannot remove the screw... Here is "HAZSEL"!

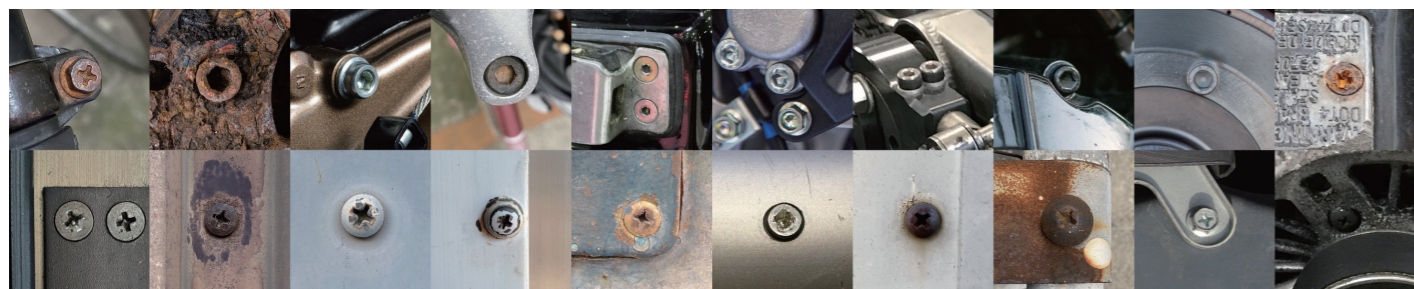
*"HAZSEL" means "can remove" in Japanese.

HAZSEL

NEW Screw Remover Series

The newly developed tip-end enables to remove stuck screws by capturing the screw firmly. Wedge-shaped tip & Cam-out prevention.

<p>Standard PH tip-end</p>  <p>Bit slips out along diagonal grooves...</p>  <p>Since the cross recess is stripped and the bit wings don't get caught, the bit spins...</p>	<p>"HAZSEL" PH tip-end [Newly developed]</p>  <p>Because of press-fitting, the metal bites into the jags. [Cam-out prevention]</p>  <p>The grooves are formed by the bit that enters deep to the screw recess, but not reaching the bottom. [Wedge-shaped tip]</p>	<p>Standard HEX tip-end</p>  <p>The recess corners get rounded and wider, and the bolt cannot be turned with an L-wrench...</p>  <p>Attempts to forcibly turn the screw will further deform it...</p>	<p>"HAZSEL" HEX tip-end [Newly developed]</p>  <p>Because of press-fitting, the metal deforms and bites into the bit. [Cam-out prevention]</p>  <p>Chamfered corners enable the bit to fit the hexagonal recess. The grooves are formed by press-fitting. [Wedge-shaped tip]</p>
<p>Cross-recess screws have the disadvantage of cam-out. If you do not turn the screw while pressing the screwdriver vertically to it, the tip-end can easily slip out along the diagonal groove of the bit and shave off the cross-recess of the screw. Then, the cross-recess is deformed and has a rounded center. The hooking of the four wings becomes shallow and the screw cannot be turned.</p>	<p>(1) Reduce cam-out. By striking the bit, the 4 jagged wings are firmly pushed onto the cross-recess. Then, the deformed metal of the screw twists around the wings of the bit so that it does not get out easily. (2) The tip-end flat surface does not reach the bottom of the screw recess. Even if metal shavings are accumulated during the bit is inserted to the screw recess by press-fitting, they do not affect the screw removal process.</p>	<p>The damaged hexagonal recess has its corners shaved and rounded off. When turned with a regular hex wrench, the corners of the wrench and screw recess do not hook together, making the roundness even worse. This is because the hex wrench was turned too forcefully with a shallow fit. In many cases, the entrance to the hexagonal recess is stripped, making it difficult for the wrench to enter.</p>	<p>(1) Chamfered corners fit the screw recess corners. When the hexagonal recess of the screw and the bit size match, the bit tip fits smoothly. Prevents mistakes in bit size selection. (2) By press-fitting, the bit bites into the rounded hexagonal recess. By striking the bit to the hexagonal recess, the 6 wings of the bit go into the recess by shaving its internal side. Then, the wings are firmly caught in the recess.</p>



"HAZSEL" bits can also be used with electric impact drivers!

- How to use**
- ① Insert the bit into the screw recess.
 - ② Tap the bit with a hammer **carefully** and make the tip-end bite into the screw recess.
 - ③ Set the electric impact driver to the bit that has been stuck to the screw.
 - ④ Apply force gradually to the screw by using the impact driver at low speed. To prevent damages to the screw, turn and remove it while feeling its loosening.

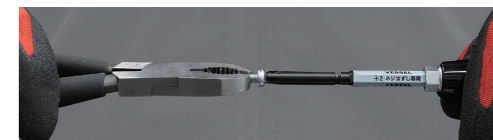


Cannot remove the screw... Here is "HAZSEL"!



When the screw cannot be removed...

It is sometimes difficult to remove the bit tip-end from the screw because the former bites into the latter. In this case, retain the screw with a plier, and shake up and down, and left and right to remove the bit.



- ⚠ Cautions**
- Always wear protective goggles when working with the product.
 - Cannot be used with high hardness screws (drilling screws, coarse thread screws, high hardness stainless screw, and so on).
 - Double-ended bit cannot be used for hammer tapping.
 - Mounting a bit or replace bits should be done without fail.
 - Do not overload the product as this may cause damage to screws or injury.
 - Be careful of short-circuit and electric shock during the electric work.
 - Do not modify or heat the product because of danger.
 - Do not use the product if any abnormality such as cracks and chipping is found.
 - Refrain from use in cold weather.
 - Make sure of the applications, size, and usage that are suitable for the product before use.
 - At home, store the product while paying attention to children.

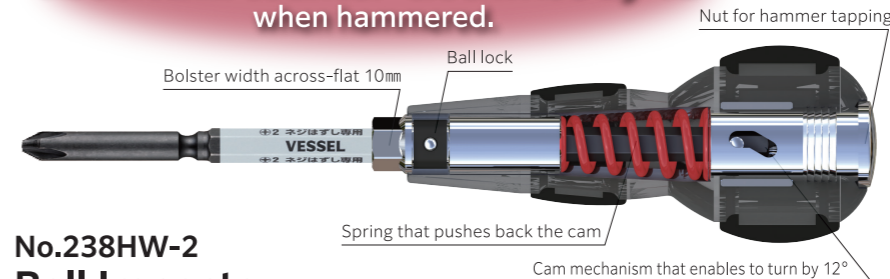
2 types of grip are available. Choose the grip that matches the screw to remove. Grooves will be additionally formed on the stripped screw to transmit the driving force.

For screws that are stuck on a hard and sturdy place.

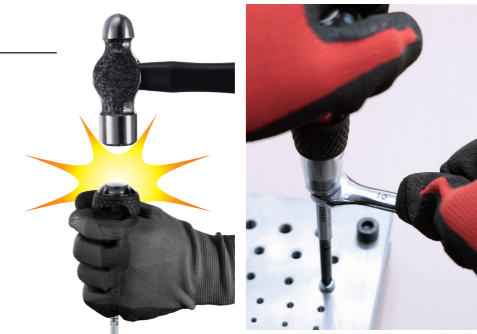
Hammering & Rotating make screws removed at once.

- Since the screw recess is stripped and the bit tip-end does not fit, the bit cannot be turned.
- The screw is stuck and cannot be turned.
- The bit tip-end cannot be inserted to the screw recess because of paint and dust.

With "Ball Impacta Grip", the bit rotates **counter-clockwise by 12°** when hammered.



No.238HW-2
Ball Impacta



- How to use**
- (1) Align the bit tip to the screw recess groove.
 - (2) While applying force toward all direction, hit the grip end with a hammer all at once and strongly.
 - (3) When the screw is loosened, press firmly the bit and turn the screw slowly.
- ※ The bolster helps apply force firmly by using a spanner when turning screws. This is needed for the big hex socket head bolt.

For rusted screws and screws on the place that tends to deform!

Remove screws slowly while making the bit bite into the screw recess.

- The screw recess grooves deform, and the bit tip-end does not enter deep to the screw recess bottom.
- The screw is rusted and fragile.
- The bit tip-end cannot be inserted because of paint and dust.

With this "Ball Grip Tang-Through", hammering force can be adjusted.



No.230HW-2
Ball Grip Tang-Through



- How to use**
- (1) Align the bit tip to the screw recess groove.
 - (2) Tap the grip end **carefully** with a hammer and make the tip-end bite into the screw recess.
 - (3) Apply force while pressing with a hand and turn the screw slowly.
- ※ The bolster helps apply force firmly by using a spanner when turning screws. This is needed for the big hex socket head bolt.