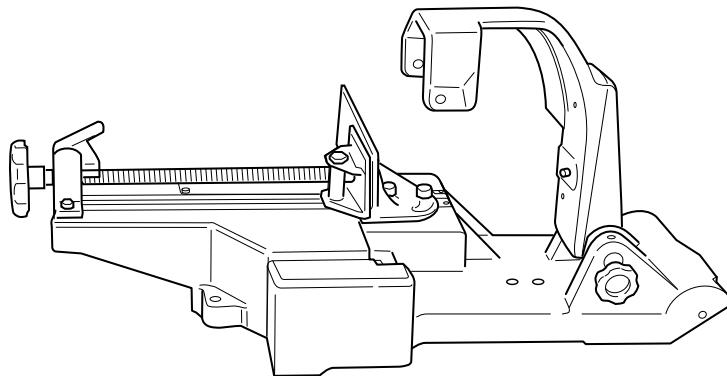


Band Saw Stand

帶鋸機台架



en Handling instructions

zh 使用說明書

English

BAND SAW STAND SAFETY

WARNINGS

- Correctly install the band saw stand by following the instructions provided in the manual.
- In order to prevent accidents, when installing or removing the band saw stand, turn the switch of the rotary band saw off. If your band saw has a power cord, remove the power plug from the outlet. If your band saw is a cordless model, remove the battery from the main unit.
- After installing the band saw on the band saw stand, follow the instructions provided in the manual of the rotary band saw.

NAMES OF PARTS

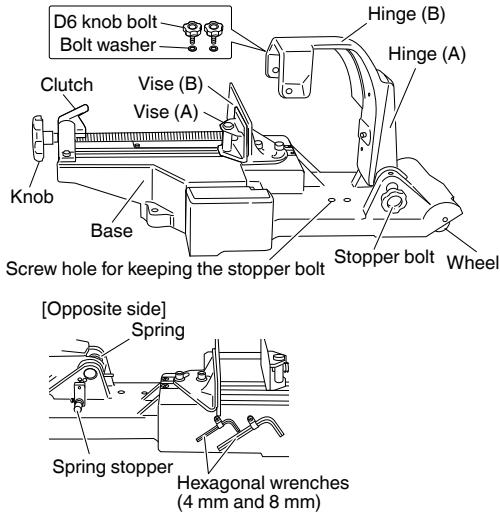


Fig. 1

SYMBOLS

WARNING

The following show symbols used for the machine. Be sure that you understand their meaning before use.

	To reduce the risk of injury, user must read instruction manual.
	Warning

STANDARD ACCESSORIES

Contour table	Slide cover
Used when carrying out contour cutting work.	Used to prevent the band saw blade from being exposed during contour cutting work.
One	One
Slide cover holder	Butterfly bolt (5 mm)
Used to install the slide cover and adjust its position during work.	Used to install the slide cover holder on the main unit.
One	One
Vise guide	Hexagonal wrench (4 mm)
Used to adjust the angle of the band saw blade and cut thin or small diameter workpieces.	Used to adjust the lower limit position of the band saw blade.
One	One
Hexagonal wrench (8 mm)	Knob bolts Bolt washers
Used to move vise (B) and adjust the positions of the hinges.	Used to install a band saw on the band saw stand.
One	Two each

APPLICATIONS

Band saw stand especially designed for stationary implementation of right-angle cutting, angle cutting, and contour cutting work, for use with the following HiKOKI band saw: CB3612DA

For details regarding the latest available band saw, check our general catalogue and other information.

SPECIFICATIONS

Model	CB12-ST2		
Max. cutting capacity*	90°	Round pipe	Φ115 mm
		Square pipe	Width 100 mm x Height 100 mm
	45°	Round pipe	Φ50 mm
		Square pipe	Width 50 mm x Height 50 mm
Weight	14.5 kg		

* Maximum cutting capacity possible when a rotary band saw is installed

HOW TO USE

1. Installing the band saw stand and switch holder

- (1) Move the lever switch to the OFF position, and remove the battery from the main tool unit.
- (2) When the stopper bolt is loosened, the hinges of the band saw stand will fall over backward (toward the wheels) due to the force of the spring. While loosening the stopper bolt, hold the top of the hinges so that they do not fall over backward. (Fig. 2)

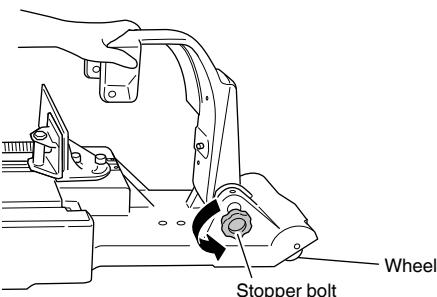


Fig. 2

- (3) Align the hole in the side of pulley guard (A) with the D8 pin of hinge (A), and insert the D8 pin into the hole. (Fig. 3)
- (4) One D6 knob bolt is provided on each of the front and rear sides of hinge (B). Only tighten the one on the rear side. (Fig. 3)

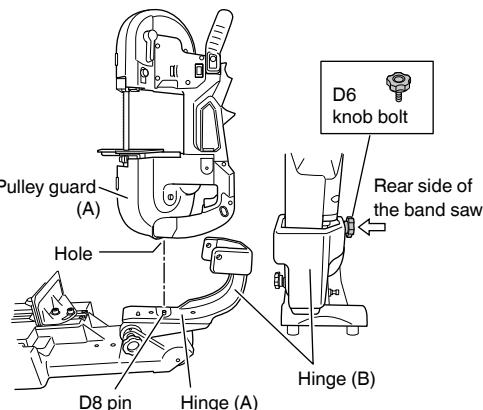
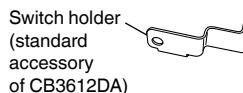


Fig. 3

NOTE

The switch holder needs to be installed in order to use the band saw installed on the stand.



- (5) While pressing the switch lock, pull the switch and fit the switch holder into position. This locks the switch in the ON position. (Fig. 4)
- (6) Tighten the D6 knob bolt on the front side. When the installation procedure has been correctly carried out, the switch lock is held in the pressed position. (Fig. 4)

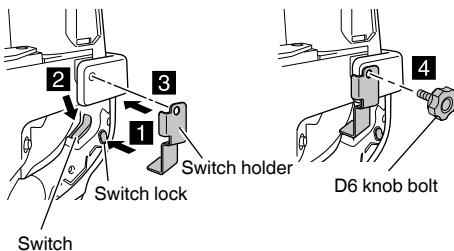


Fig. 4

English

(7) Check that the D6 knob bolt on the rear side is correctly tightened, and that the main tool unit is securely installed on the stand. (Fig. 5)

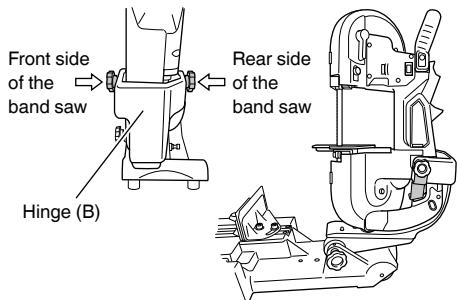


Fig. 5

2. Operating the switch

After installing the band saw on the stand, check that the switch can be correctly operated.

(1) Check that the band saw stand is correctly secured, and that the lever switch is in the OFF position. (Fig. 6)

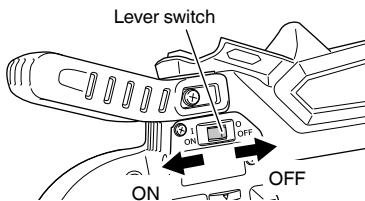


Fig. 6

(2) Install the battery on the main tool unit.
 (3) Check that the band saw blade is not touching anything, then turn the lever switch ON and OFF to check that the band saw operates correctly.

NOTE

The lever switch does not function unless the switch is held in the ON position using the switch holder.

3. Adjusting the lower limit position of the band saw blade

Adjust the positions of the base of the band saw stand and the tip of the band saw blade. (Fig. 7)

(1) Remove the stopper bolt and screw it several turns into the screw hole for keeping the stopper bolt.
 (2) Slowly move the main tool unit down, and adjust the position of the guide plate so that the tip of the band saw blade stops approximately 2 mm below the top surface of the base. (Use the 4-mm hexagonal wrench supplied as a standard accessory.)
 (3) After finishing the adjustment, firmly secure the guide plate using two M6 screws.

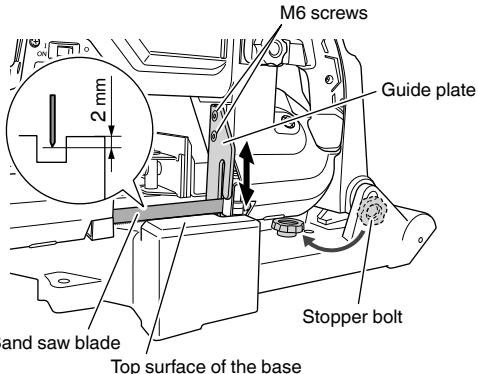


Fig. 7

4. Adjusting the perpendicularity of the band saw blade

<Adjustment of the perpendicularity between vise (B) and the band saw blade (Fig. 8)>

(1) Loosen the two vise (B) adjustment bolts using the 8-mm hexagonal wrench supplied as a standard accessory. Ensure that vise (A) is away from vise (B).
 (2) Place the vise guide supplied as a standard accessory as shown in the figure. Move the main tool unit down to lightly press the vise guide against the side of the band saw blade and the guide plate.
 (3) Lightly press the vise guide so that it does not move, and place vise (B) so that it comes in contact with the vise guide.
 Tighten the two vise (B) adjustment bolts to firmly secure vise (B) in that position.

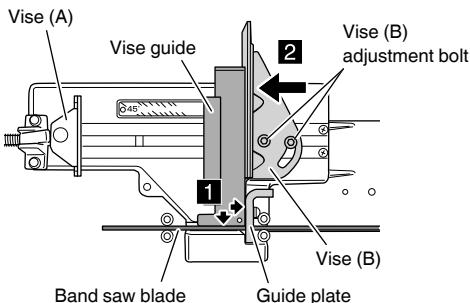


Fig. 8

NOTE

If a higher level of cutting precision is required, adjust the vise position using a speed square.

<Adjustment of the perpendicularity between the top surface of the base and the band saw blade>

(1) Apply the vise guide to vise (B), and lightly secure the vise guide using vise (A). (Fig. 9)

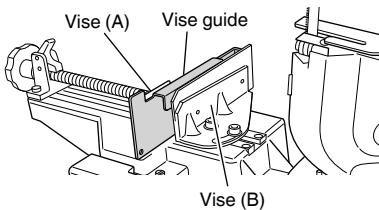


Fig. 9

(2) Loosen the two band saw adjustment bolts using the 8-mm hexagonal wrench supplied as a standard accessory.

Hold the front handle and move the main unit up and down to adjust its angle so that a uniform amount of clearance is created between the side of the vise guide and the band saw blade. (Fig. 10)

(3) Tighten the two band saw adjustment bolts to firmly secure hinge (B).

NOTE

If a higher level of cutting precision is required, adjust the vise position using a speed square.

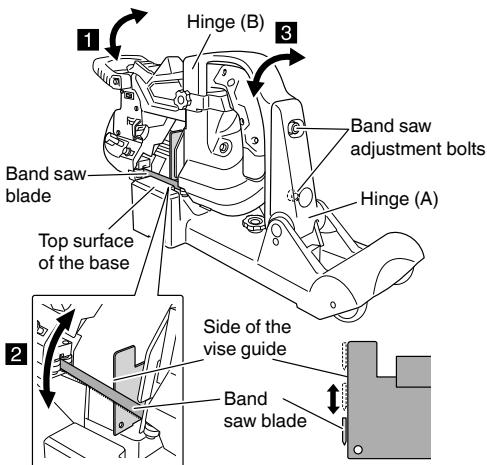


Fig. 10

5. Setting the cutting load

In order to set the cutting load, lift and hold the main unit at the upper limit position, then change the position of the spring stopper. (Fig. 11)

When cutting thin wall steel pipes (with a wall thickness of 2 mm or less), PVC, or plastic materials, set the cutting load to "Light load" or "Lightest load".

NOTE

● When setting the cutting load, be sure to lift the main unit to the upper limit position.

If the spring stopper is pressed in when the main unit is in a low position, the force of the spring will be applied in the opposite direction, preventing the main unit from being able to be lifted to the upper limit position.

- Setting a lighter cutting load increases the length of time required to cut workpieces, however, cutting precision will be improved.

Pull out the spring stopper. (Remove it from surface ④.)	"Heavy load"
Insert it into hole ①.	"Medium load"
Insert it into hole ②.	"Light load"
Insert it into hole ③.	"Lightest load"

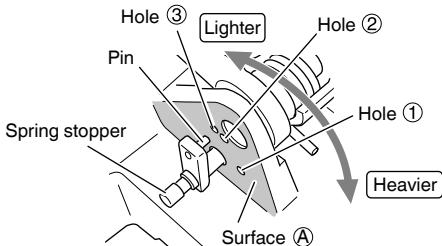


Fig. 11

6. Securing workpieces

Vise (A) of the band saw stand can be moved faster when the clutch is released, and can be used to press a workpiece when the clutch is applied. You can carry out your work efficiently by appropriately moving the vise faster and pressing it against workpieces.

- (1) Place a workpiece on the top surface of the base, and press it against vise (B).
- (2) Release the clutch, and move vise (A) until it comes in contact with the workpiece.
- (3) Apply the clutch, and turn the knob clockwise to secure the workpiece. (Fig. 12)

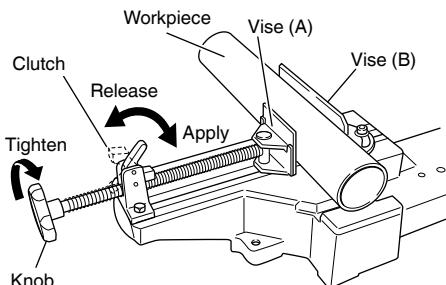


Fig. 12

NOTE

If the clutch cannot be released, turn the knob counterclockwise a little.

English

7. Cutting thin or small diameter workpieces

When cutting a thin or small diameter workpiece, place the vise guide supplied as a standard accessory onto the top of vise (B) to reduce the clearance between the band saw blade and the vise guide. (Fig. 13)

When cutting a thin or small diameter workpiece, if the clearance between the band saw blade and vise (B) is large, the workpiece may be deformed or vibrate in a swinging manner.

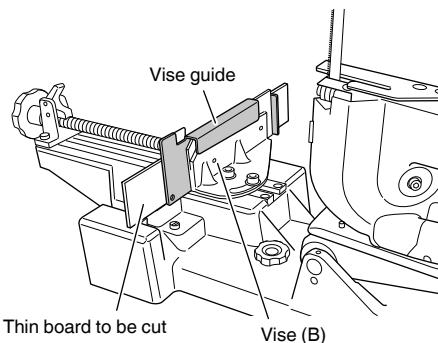


Fig. 13

8. Angle cutting (Fig. 14)

When you adjust the angle of vise (B), you can cut workpieces at an angle between a right-angle and 45 degrees.

- (1) Loosen the two vise (B) adjustment bolts that are used to secure vise (B) using the 8-mm hexagonal wrench supplied as a standard accessory.
- (2) By checking with the angle scale, rotate vise (B) to orient its workpiece side at the desired angle.
- (3) After adjusting the angle, firmly tighten the two vise (B) adjustment bolts to secure vise (B).
- (4) When the angle cutting work is finished, return vise (B) to a right-angle position.
(See "Adjustment of the perpendicularity between vise (B) and the band saw blade".)

NOTE

In order to improve the precision of angle cutting, apply an angle gauge to the side of the band saw blade and the workpiece side of vise (B) when securing vise (B).

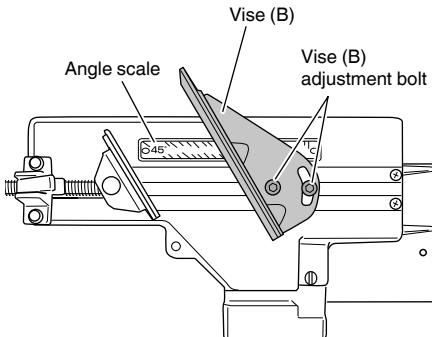


Fig. 14

9. Contour cutting work

WARNING

Be sure to correctly install the protective cover, contour table, and slide cover before use.

CAUTION

If the band saw blade is locked during the cutting operation, immediately turn the switch off to stop the operation.

<Installing the contour table (Fig. 15)>

- (1) Lift the main unit to the upper limit position, then lower it a little, and hold it in a position where the main unit is perpendicular to the top surface of the base.
In this position, firmly tighten the stopper bolt of the hinge to secure the main unit.

NOTE

If the stopper bolt is tightened although the main body is not in a perpendicular orientation, the main unit may wobble and cut the contour table.

- (2) While placing the contour table on the guide plate, align the groove with the band saw blade.
- (3) Secure the contour table using vise (B).

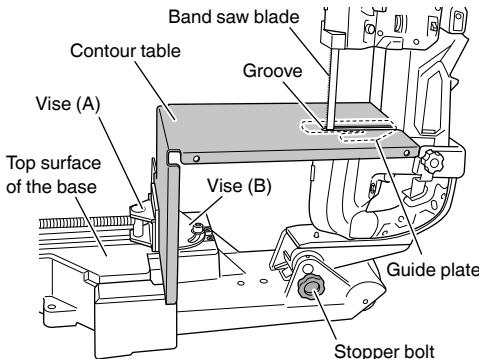


Fig. 15

<Installing the slide cover (Fig. 16)>

- (1) Remove the M8 bolt. As this bolt is also used to fasten the bearing holder, be careful not to drop the bearing holder.
- (2) Insert the protrusion on the slide cover into the slotted hole in pulley guard (B), and tighten the M8 bolt to secure it.
- (3) Correctly install the slide cover using the 5-mm butterfly bolt. Before tightening the bolt, adjust the position of the slide cover according to the height of the workpiece.

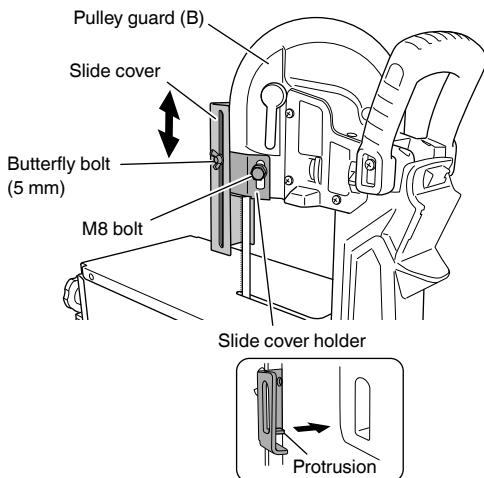


Fig. 16

10. Moving the band saw installed on the band saw stand

When moving the band saw installed on the band saw stand, move the main unit down to the lower limit position as shown in the figure below. Tighten the stopper bolt so that the main unit does not move up, then hold both ends of the base. (Fig. 18-a)

The band saw stand has wheels, which enables you to hold the front handle and lift the pulley guard (B) side to move the band saw. (Fig. 18-b)

NOTE

Remove the band saw blade and battery even when you move or store the band saw installed on the band saw stand.

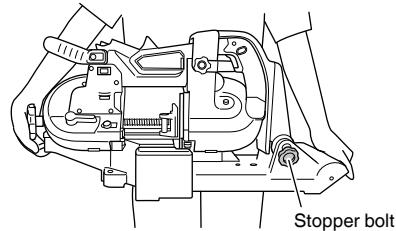


Fig. 18-a

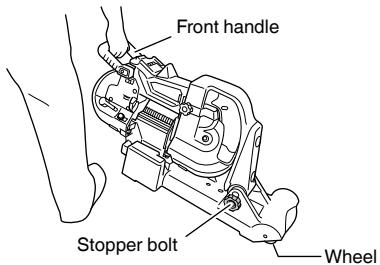


Fig. 18-b

<Contour cutting work (Fig. 17)>

- (1) Turn the lever switch on.
- (2) Hold the workpiece with both hands. Slowly slide it on the contour table to the band saw blade to cut its contours.
- (3) Press the workpiece against the band saw blade by exerting a load that is not excessive to the point where it warps the blade. Exercise care not to apply excessive loads to the blade.

NOTE

Turn the lever switch off each time you finish cutting workpieces.

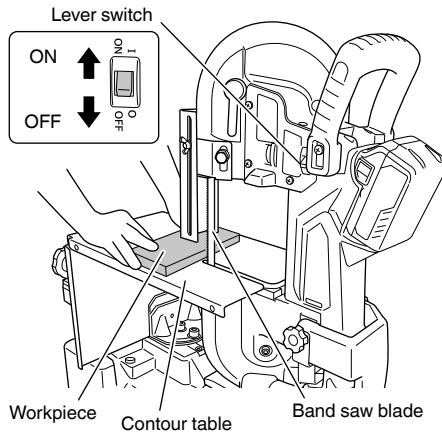


Fig. 17

帶鋸機台架安全警告

- 請按照說明書中的指示正確安裝帶鋸機台架。
- 為了防止發生事故，安裝或拆卸帶鋸機台架時，請關閉旋轉帶鋸機的開關。若您使用的是電源線型帶鋸機，請從插座拔下電源插頭。若您使用的是充電式帶鋸機，請從主體取出電池。
- 將帶鋸機安裝到帶鋸機台架後，請按照旋轉帶鋸機說明書中的指示進行操作。

各部位名稱

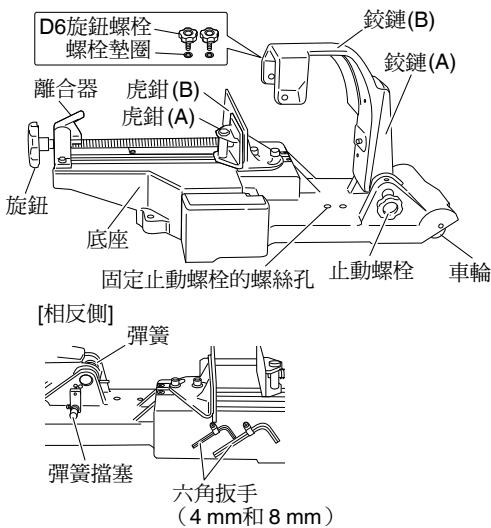


圖 1

符號

警告

以下為使用於本機器的符號。請確保您在使用前明白其意義。

	使用前請詳讀使用說明書。
	警告

標準附件

輪廓工作台	滑動護蓋
進行輪廓切削作業時使用。	用於進行輪廓切削作業時防止帶鋸條露出。
1 個	1 個
滑動護蓋座	蝶形螺栓 (5 mm)
用於安裝滑動護蓋及作業期間調整其位置。	用於將滑動護蓋座安裝在主體上。
1 個	1 個
虎鉗導板	六角扳手 (4 mm)
用於切割薄或小直徑工件時調整帶鋸條角度。	用於調整帶鋸條的下限位置。
1 個	1 枝
六角扳手 (8 mm)	旋鈕螺栓 螺栓墊圈
用於移動虎鉗 (B) 及調整整鋸鏈的位置。	用於將帶鋸機安裝在帶鋸機台架上。
1 枝	各 2 個

用途

本帶鋸機台架專為進行固定型直角切割、角度切割及輪廓切割作業而設計，其適用於以下 HIKOKI 帶鋸機：CB3612DA

有關最新可用帶鋸機的詳細資料，請查閱本公司的總目錄及其他資訊。

規格

型號		CB12-ST2
最大切割能力*	90°	圓管 Φ115 mm
		方管 寬 100 mm x 高 100 mm
	45°	圓管 Φ50 mm
		方管 寬 50 mm x 高 50 mm
重量		14.5 kg

* 安裝旋轉帶鋸機後的最大切割能力

使用方法

1. 安裝帶鋸機台架及開關固定座

- 1) 將撥桿開關移至 OFF 位置，然後從工具主體取出電池。
- 2) 鬆開止動螺栓時，帶鋸機台架的鉸鏈會因彈簧的作用力而向後（往車輪方向）倒。因此，鬆開止動螺栓時，請握緊鉸鏈頂端以免其向後倒。（圖 2）

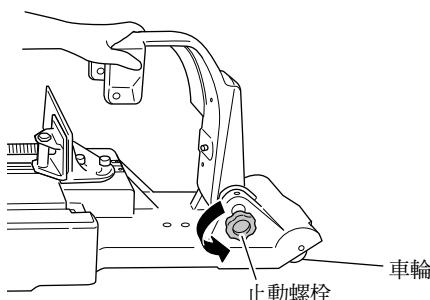


圖 2

- 3) 將皮帶輪護罩 (A) 側面的孔對準鉸鏈 (A) 的 D8 插銷，然後將 D8 插銷插入孔中。（圖 3）
- 4) 鉸鏈 (B) 的前後兩側各有一個 D6 旋鈕螺栓。請只鎖緊後側的那個螺栓。（圖 3）

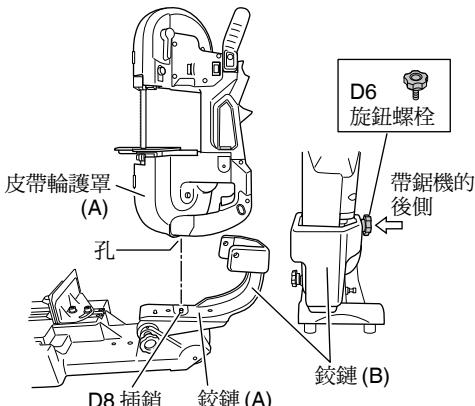
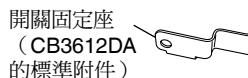


圖 3

註

必須安裝開關固定座才能使用安裝在台架上的帶鋸機。



- 5) 按住開關鎖，同時扣動開關並將開關固定座安裝到位。

即可將開關鎖入 ON 位置。（圖 4）

- 6) 鎖緊前側的 D6 旋鈕螺栓。

安裝程序正確完成後，開關鎖保持在按下位置。（圖 4）

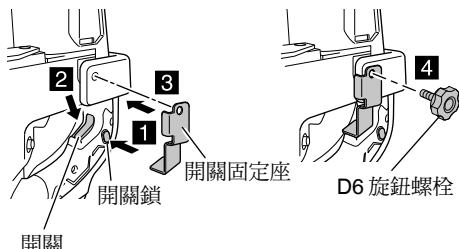


圖 4

(7) 檢查後側的 D6 旋鈕螺栓是否正確鎖緊，且工具主體是否牢固安裝在台架上。（圖 5）

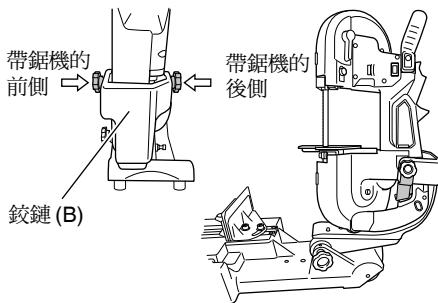


圖 5

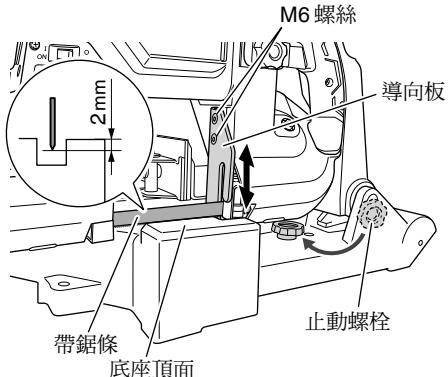


圖 7

2. 操作開關

帶鋸機安裝到台架上後，請檢查開關能否正常操作。

(1) 檢查帶鋸機台架是否正確固定，且撥桿開關是否處於 OFF 位置。（圖 6）

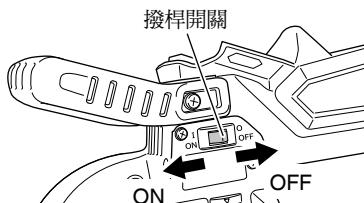


圖 6

(2) 將電池裝入工具主體。

(3) 確認帶鋸條沒有接觸到任何物品，然後 ON/OFF 撥桿開關，檢查帶鋸機是否正常運作。

註

除非使用開關固定座將開關保持在 ON 位置，否則撥桿開關不起作用。

3. 調整帶鋸條的下限位置

調整帶鋸機台架底座及帶鋸條鋸尖的位置。（圖 7）

- (1) 拆下止動螺栓，將其轉動數圈擰入固定止動螺栓的螺絲孔。
- (2) 緩慢向下移動工具主體，並調整導向板的位置，使帶鋸條鋸尖停在底座頂面下方約 2 mm 處。（使用隨附的標準附件 4-mm 六角扳手。）
- (3) 調整完成後，用兩顆 M6 螺絲將導向板牢牢固定。

4. 調整帶鋸條的垂直度

<調整虎鉗 (B) 與帶鋸條之間的垂直度（圖 8）>

- (1) 使用隨附的標準附件 8-mm 六角扳手鬆開兩個虎鉗 (B) 調節螺栓。確保虎鉗 (A) 遠離虎鉗 (B)。
- (2) 如圖所示放置隨附的標準附件虎鉗導板。向下移動工具主體，將虎鉗導板對著帶鋸條的側面及導向板輕輕按壓。
- (3) 輕輕按壓虎鉗導板，使其保持不動，再放置虎鉗 (B)，使其緊貼虎鉗導板。
- 鎖緊兩個虎鉗 (B) 調節螺栓，將虎鉗 (B) 牢牢固定在位。

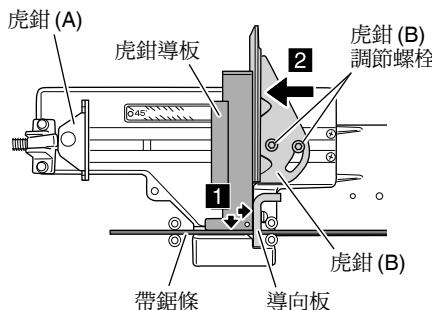


圖 8

註

如需更高級別的切割精度，請使用三角尺調整虎鉗位置。

<調整底座頂面與帶鋸條之間的垂直度>

(1) 沿著虎鉗 (B) 放置虎鉗導板，然後使用虎鉗 (A) 輕輕固定虎鉗導板。(圖 9)

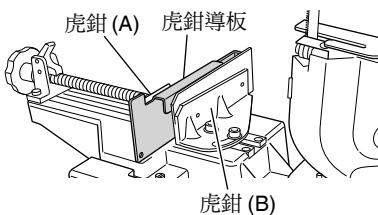


圖 9

(2) 使用隨附的標準附件 8-mm 六角扳手鬆開兩個帶鋸機調節螺栓。

握住前握把，上下移動主體，調整其角度，使虎鉗導板側面與帶鋸條之間產生的間隙量均勻一致。(圖 10)

(3) 鎖緊兩個帶鋸機調節螺栓，以牢牢固定鉸鏈 (B)。

註

如需更高級別的切割精度，請使用三角尺調整虎鉗位置。

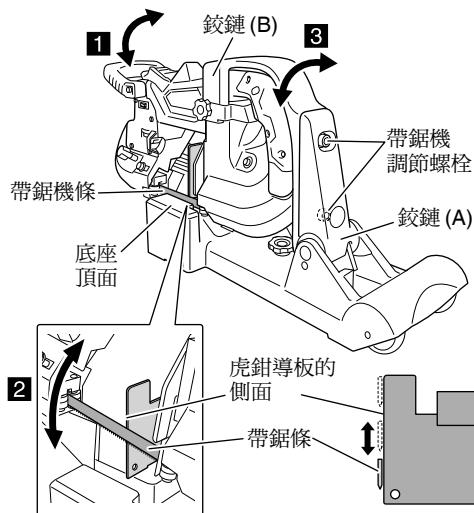


圖 10

5. 設定切割負荷

為了設定切割負荷，請先將主體提升到上限位置並保持住，然後調整彈簧擋塞的位置。(圖 11)
當切割薄壁鋼管 (壁厚為 2 mm 或以下)、PVC 或塑膠材料時，請將切割負荷設定為「輕負荷」或「最輕負荷」。

註

- 設定切割負荷時，請務必將主體提升到上限位置。

如果在主體處於低位時按入彈簧擋塞，則彈簧的作用力會向相反的方向施加，使主體無法提升到上限位置。

- 設定較輕的切割負荷會延長切割工作所需的時間，但切割精度會提高。

拉出彈簧擋塞。 (從 ④ 面拆下。)	「重負荷」
將其插入孔 ①。	「中負荷」
將其插入孔 ②。	「輕負荷」
將其插入孔 ③。	「最輕負荷」

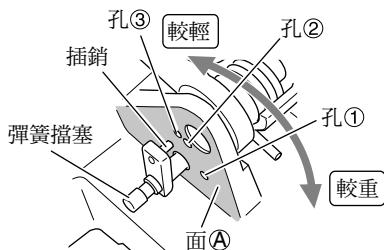


圖 11

6. 固定工作

帶鋸機台架的虎鉗 (A) 可在鬆開離合器時加快移動，並可在壓緊離合器時壓住工作。以適當的速度加快移動虎鉗並使其抵住工作可有效提高作業效率。

- (1) 將工作放在底座頂面，並將其抵住虎鉗 (B)。
- (2) 鬆開離合器，移動虎鉗 (A) 直到觸及工作為止。
- (3) 壓緊離合器，順時針轉動旋鈕以固定工作。
(圖 12)

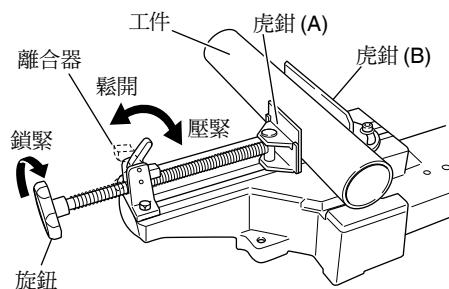


圖 12

註

如果離合器無法鬆開，請逆時針略微轉動旋鈕。

7. 切割薄或小直徑工件

切割薄或小直徑工件時，將隨附的標準附件虎鉗導板放在虎鉗 (B) 的頂部，以縮小帶鋸條與虎鉗導板之間的間隙。（圖 13）

切割薄或小直徑工件時，如果帶鋸條與虎鉗 (B) 之間的間隙較大，則工件可能會變形或劇烈振動。

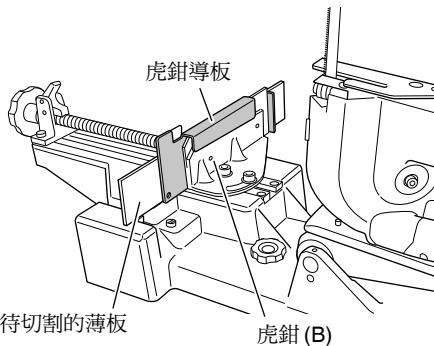


圖 13

8. 角度切割（圖 14）

調整虎鉗 (B) 的角度，以便在直角與 45 度角之間以任意角度切割工件。

- (1) 使用隨附的標準附件 8-mm 六角扳手鬆開用於固定虎鉗 (B) 的兩個虎鉗 (B) 調節螺栓。
- (2) 使用角度尺進行檢查，轉動虎鉗 (B)，使工件側定位在所需的角度。
- (3) 調整角度後，用力鎖緊兩個虎鉗 (B) 調節螺栓以固定虎鉗 (B)。
- (4) 角度切割作業完成後，將虎鉗 (B) 返回到直角位置。
(請參見「調整虎鉗 (B) 與帶鋸條之間的垂直度」。)

註

為了提高角度切割的精度，固定虎鉗 (B) 時，將角度尺貼放於帶鋸條的側面及虎鉗 (B) 的工件側。

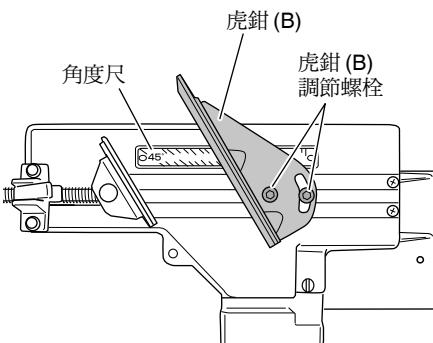


圖 14

9. 輪廓切削作業

警告

使用前請務必正確安裝防護罩、輪廓工作台及滑動護蓋。

注意

如果切割作業中帶鋸條被鎖定，請立即關閉開關停止操作。

<安裝輪廓工作台（圖 15）>

- (1) 將主體提升到上限位置，然後略微降低一點，並保持在主體與底座頂面呈垂直的位置。
在此位置，牢牢鎖緊鉸鏈的止動螺栓以固定主體。

註

如果在主體未處於垂直方向時鎖緊止動螺栓，則主體可能會擺動並鋸到輪廓工作台。

- (2) 一邊將輪廓工作台放在導向板上，一邊對準凹槽與帶鋸條。
- (3) 使用虎鉗 (B) 固定輪廓工作台。

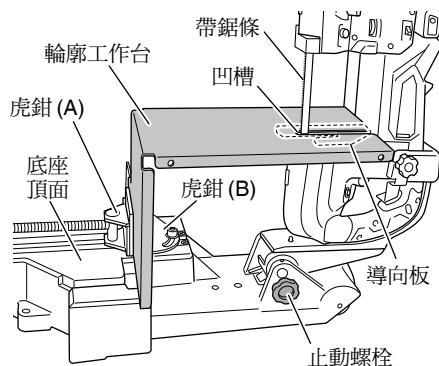


圖 15

<安裝滑動護蓋（圖 16）>

- (1) 拆下 M8 螺栓。由於此螺栓也用於緊固軸承座，因此請小心不要掉落軸承座。
- (2) 將滑動護蓋上的突起部插入皮帶輪護罩 (B) 的槽孔，並鎖緊 M8 螺栓以固定。
- (3) 使用 5-mm 蝶形螺栓正確安裝滑動護蓋。鎖緊螺栓前，請根據工件高度調整滑動護蓋的位置。

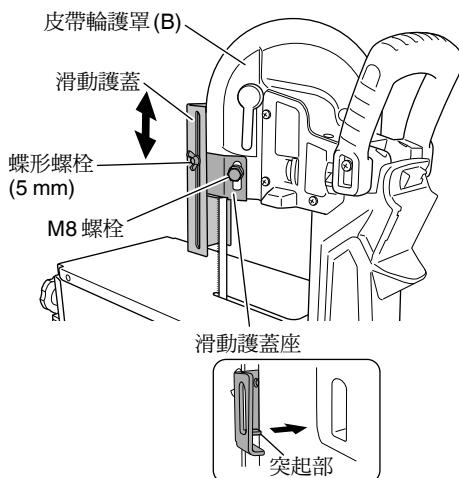


圖 16

10.搬移安裝在帶鋸機台架上的帶鋸機

搬移安裝在帶鋸機台架上的帶鋸機時，如下圖所示將主體向下移動到下限位置。鎖緊止動螺栓以免主體向上移動，然後握住底座的兩端。（圖 18-a）

帶鋸機台架配有車輪，您可握住前握把，同時提起皮帶輪護罩 (B) 側來搬移帶鋸機。（圖 18-b）

註

即使僅移動或存放安裝在帶鋸機台架上的帶鋸機時，也應拆下帶鋸條及電池。

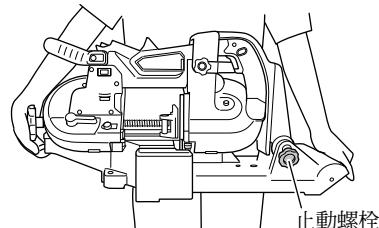


圖 18-a

<輪廓切削作業（圖 17）>

- (1) 打開撥桿開關。
- (2) 用雙手握住工件。在輪廓工作台上將工件緩慢滑動靠近帶鋸條，進行輪廓切割。
- (3) 將工件抵住帶鋸條，施加的負荷切勿過大，以免鋸片彎曲。請謹慎操作，避免對鋸片施加過大負荷。

註

每次完成切割工件後，應關閉撥桿開關。

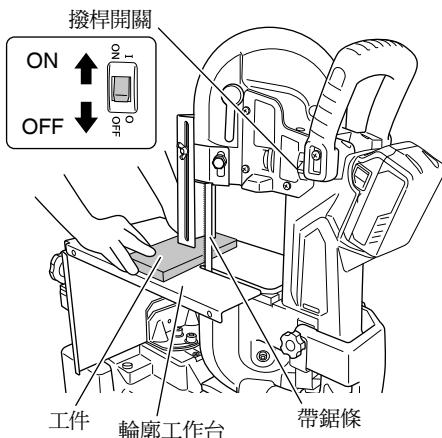


圖 17

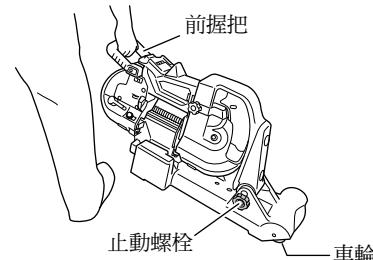
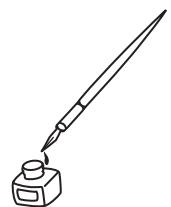
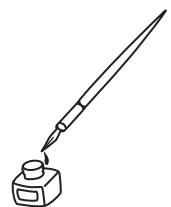


圖 18-b





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