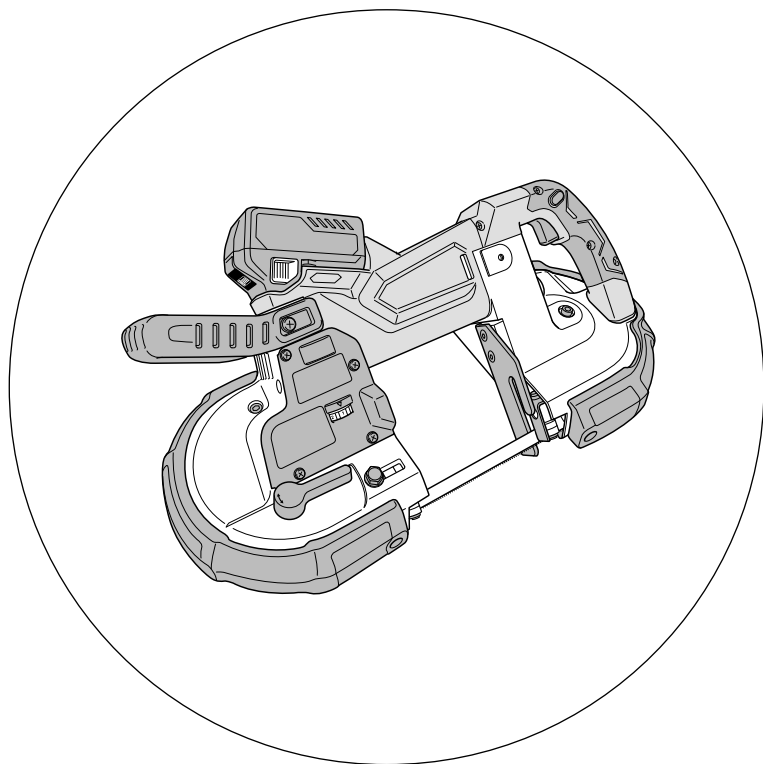


HiKOKI

充电式带锯
Cordless Band Saw

中文
English

CB 3612DA



保留备用
Keep for future reference



使用说明书
Handling instructions

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电动工具通用安全警告

警告！

阅读所有警告和所有说明。

不遵照以下警告和说明会导致电击、着火和 / 或严重伤害。

保存所有警告和说明书以备查阅。

在所有下列的警告中术语“电动工具”指市电驱动(有线)电动工具或电池驱动(无线)电动工具。

1) 工作场地的安全

- a) 保持工作场地清洁和明亮。
混乱和黑暗的场地会引发事故。
- b) 不要在易爆环境，如有易燃液体、气体或粉尘的环境下操作电动工具。
电动工具产生的火花会点燃粉尘或气体。
- c) 让儿童和旁观者离开后操作电动工具。
注意力不集中会使操作者失去对工具的控制。

2) 电气安全

- a) 电动工具插头必须与插座相配。
绝不能以任何方式改装插头。
需接地的电动工具不能使用任何转换插头。
未经改装的插头和相配的插座将减少电击危险。
- b) 避免人体接触接地表面，如管道、散热片和冰箱。
如果你身体接地会增加电击危险。
- c) 不得将电动工具暴露在雨中或潮湿环境中。
水进入电动工具将增加电击危险。
- d) 不得滥用电线。绝不能用电线搬运、拉动电动工具或拔出其插头。使电线远离热源、油、锐边或运动部件。
受损或缠绕的软线会增加电击危险。
- e) 当在户外使用电动工具时，使用适合户外使用的外接软线。
适合户外使用的软线将减少电击危险。
- f) 如果在潮湿环境下操作电动工具是不可避免的，应使用剩余电流动作保护装置（RCD）。
使用RCD可减小电击危险。

3) 人身安全

- a) 保持警觉，当操作电动工具时关注所从事的操作并保持清醒。
当你感到疲倦，或在有药物、酒精或治疗反应时，不要操作电动工具。
在操作电动工具时瞬间的疏忽会导致严重人身伤害。
- b) 使用个人防护装置。始终佩戴护目镜。
安全装置，诸如适当条件下使用防尘面具、防滑安全鞋、安全帽、听力防护等装置能减少人身伤害。
- c) 防止意外起动。确保开关在连接电源和 / 或电池盒、拿起或搬运工具时处于关断位置。
手指放在已接通电源的开关上或开关处于接通时插入插头可能会导致危险。
- d) 在电动工具接通之前，拿掉所有调节钥匙或扳手。
遗留在电动工具旋转零件上的扳手或钥匙会导致人身伤害。
- e) 手不要伸展得太长。时刻注意立足点和身体平衡。
这样在意外情况下能很好地控制电动工具。
- f) 着装适当。不要穿宽松衣服或佩戴饰品。让衣服、手套和头发远离运动部件。
宽松衣服、佩饰或长发可能会卷入运动部件中。
- g) 如果提供了与排屑、集尘设备连接用的装置，要确保它们连接完好且使用得当。
使用这些装置可减少尘屑引起的危险。

4) 电动工具使用和注意事项

- a) 不要滥用电动工具，根据用途使用适当的电动工具。
选用适当设计的电动工具会使你工作更有效、更安全。
- b) 如果开关不能接通或关断工具电源，则不能使用该电动工具。
不能用开关来控制的电动工具是危险的且必须进行修理。
- c) 在进行任何调节、更换附件或贮存电动工具之前，必须从电源上拔掉插头和 / 或使电池盒与工具脱开。
这种防护性措施将减少工具意外起动的危险。
- d) 将闲置不用的电动工具贮存在儿童所及范围之外，并且不要让不熟悉电动工具或对这些说明不了解的人操作电动工具。
电动工具在未经培训的用户手中是危险的。
- e) 保养电动工具。检查运动件是否调整到位或卡住，检查零件破损情况和影响电动工具运行的其他状况。如有损坏，电动工具应在使用前修理好。
许多事故由维护不良的电动工具引发。
- f) 保持切削刀具锋利和清洁。
保养良好的有锋利切削刃的刀具不易卡住而且容易控制。
- g) 按照使用说明书，考虑作业条件和进行的作业来使用电动工具、附件和工具的刀头等。
将电动工具用于那些与其用途不符的操作可能会导致危险。

5) 电池式工具使用和注意事项

- a) 只用制造商规定的充电器充电。
将适用于某种电池盒的充电器用到其他电池盒时会发生着火危险。
- b) 只使用配有特制电池盒的电动工具。
使用其他电池盒会发生损坏和着火危险。
- c) 当电池盒不用时，将它远离其他金属物体，例如回形针、硬币、钥匙、钉子、螺钉或其他小金属物体，以防一端与另一端连接。
电池端部短路会引起燃烧或火灾。
- d) 在滥用条件下，液体会从电池中溅出；避免接触。如果无意间碰到了，用水冲洗。如果液体碰到了眼睛，还要寻求医疗帮助。
从电池中溅出的液体会发生腐蚀或燃烧。

6) 维修

- a) 将你的电动工具送交专业维修人员，使用同样的备件进行修理。
这样将确保所维修的电动工具的安全性。

注意！

不可让儿童和体弱人士靠近工作场所。

应将不使用的工具存放在儿童和体弱人士接触不到的地方。

充电式带锯安全警告

1. 请始终用双手牢牢握住工具的把手和前把手（图 1）。请勿触碰金属部分。
2. 确保要切割的区域无任何隐蔽的障碍物，包括电线、水管或气体管道。切断上述物体可能会导致触电或短路、气体泄漏或其他可能导致严重事故或人员受伤的危险。
3. 操作时请确保牢牢握住工具。否则可能导致事故或受伤。
4. 配置和检查工作环境。请按照注意事项检查工作环境是否适宜。
5. 二氧化硅或石棉等灰尘颗粒会有损健康。使用含此类成分的材料时，请采取适当的防尘措施。
6. 作用于金属时，可能会产生火花。确保附近没有易燃和可燃材料，并确保其存放于安全场所。
7. 操作时切勿将手部、脸部或其他身体部位靠近旋转的带锯片或其他旋转部件。否则可能造成人员受伤。
8. 如不慎将主机跌落在地或受到任何撞击，请仔细检查带锯片、本机等，确保没有损坏、裂纹或变形。
如有任何损坏、裂纹或变形，可能造成人员受伤。
9. 在操作过程中，如果本机运行不畅，或出现异常的声音或振动，请立即切断本机电源，中止使用，并联系 HiKOKI 授权服务中心进行检查和 / 或维修。
如在所述情况下继续使用，可能造成人员受伤。
10. 长时间连续使用本机，可能导致机体过热，对马达及开关造成损害。请放置约 15 分钟后再使用。
11. 请遵循使用说明书中的指示，确保带锯片和附件正确安装。
安装不当可能会导致部件松动，从而造成人员受伤。
12. 请拧紧要切割的工件。
如未拧紧，工件可能会移位并导致带锯片损坏和 / 或人员受伤。
13. 为避免在切割中或刚切割后将带锯片夹入切割面间，请在切割部位的附近放置支架，以承托工件的重量。
如带锯片被夹入，可能造成人员受伤。
14. 要切割的断面较大时，请另行放置一个稳定的支架，以承托该断面的重量。
如未使用支架，可能造成人员受伤。
15. 在操作过程中，请勿佩戴布制工作手套或其他可能会被本机卡住的同类型手部防护用品。
如被工具的旋转部分卡住，可能造成人员受伤。

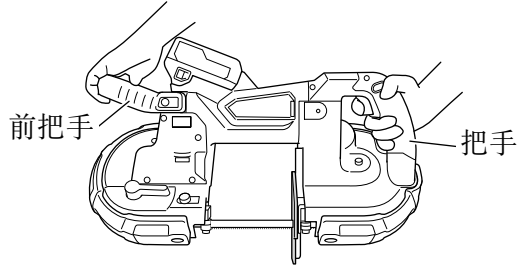


图 1

16. 操作前，请检查周边区域安全并让锯片稍作运行，以确保本机的振动或带锯片无异常。
如存在上述异常，可能会发生意外移动并造成人员受伤。
17. 在高处工作时，请确保下方无人。
如从高处跌落工件或充电式工具，可能会导致事故。
18. 请勿用带锯片对工件施加任何突然的冲击。
否则可能会损坏带锯片和 / 或导致人员受伤。
19. 借助产品的自重或轻按来切割工件。
切割时施加过大的力会造成带锯片脱落或损坏，从而可能导致人员受伤。
20. 切割后请勿立即空手触摸带锯片、工件或切屑，因其仍处于高温状态。
否则可能会导致烫伤。
21. 请清除附着在带锯片或锯片滑轮橡胶上的任何切屑以及积聚在滑轮护罩(A)、(B)内的任何切屑。
否则可能会导致带锯片脱落或滑动，从而造成人员受伤。
22. 如果锁定解除按钮无法恢复原位，请立即中止使用并联系 HIKOKI 授权服务中心进行维修。
23. 使用非制造商授权或有任何异常的带锯片均可能会导致带锯片损坏和 / 或人员受伤。
24. 打开电源时，请检查带锯片未接触待切割工件或任何周边物体。
否则可能会导致主机跌落和 / 或人员受伤。
25. 为防止发生意外，在操作中或操作后休息时，请务必关闭电源并从充电式工具中取出电池。
26. 如果切割时带锯片锁住，请及时关闭电源并停止运行。
否则可能会损坏带锯片。
27. 如果工具超过负荷，电机可能停止。
在这种情况下，请松开工具的开关，试着消除超过负荷的原因。
28. 请勿将工具丢在地上、桌上或其他无人看管的位置。否则可能造成人员受伤。
29. 为提高切割效率，请根据任务条件和待切割工件切换应用工具的模式。
30. 请勿连用两节以上的电池。
否则不仅会使机身出现问题，还可能导致机身温度升高或烫伤。
31. 使用后，在工具完全停止前，请确保不要将其放置在存有碎切屑或锯屑的附近，否则可能会吸入这些颗粒。
32. 使用后，如果长时间不使用本机，请将带锯片从机身上取下并存放好。
如果长时间安装在机身内，带锯片的使用寿命会变短。

其他安全警告

1. 务请在 0°C — 40°C 的温度下进行充电。温度低于 0°C 将会导致充电过度，极其危险。电池不能在高于 40°C 的温度下充电。
最适合于充电的温度是 20 — 25°C 。
2. 不要连续使用充电器。
一次充电完毕后，在 15 分钟内不要再次使用该充电器对电池充电。
3. 勿让杂质进入充电式电池连结口内。
4. 切勿拆卸充电式电池与充电器。
5. 切勿使充电式电池短路。使电池短路将会造成很大的电流和过热，从而烧坏电池。
6. 请勿将电池丢入火中。
电池受热将会爆炸。
7. 请勿将异物插入充电器的通风口。
若将金属异物或易燃物插入通风口的话，将会引起触电事故或使充电器受损。
8. 充电后电池寿命太短不够使用时，请尽快将电池送往经销店。请勿将用过的电池乱丢。
9. 请勿使用耗竭了的电池，否则会损坏充电器。
10. 请勿使用工具或电池端子（电池安装部位）明显变形的产品。
否则，安装电池后可能会短路，造成冒烟或起火。
11. 请清除工具端子（电池安装部位）上的削屑和灰尘。
 - 使用前请确保电池上没有堆积削屑和灰尘。
 - 在使用过程中，请尽量避免工具上的削屑或灰尘掉落在电池上。
 - 暂时不使用工具时或使用后，应将工具存放在不会掉落削屑或灰尘的地方。
否则可能短路，造成冒烟或起火。

锂离子电池使用注意事项

为延长使用期限，锂离子电池备配停止输出的保护功能。

若是在使用本产品时发生下列 1 和 3 的情况，即使按下开关，马达也可能停止。这并非故障，而是启动保护功能的结果。

1. 在残留的电池电力即将耗尽时，马达会停止。
在这种情况下，请立即予以充电。
2. 若工具超过负荷，马达亦可能停止。在这种情况下，请松开工具的开关，试着消除超过负荷的原因。之后您就可以再度使用。
3. 若电池在过载工作情况下过热，电池电力可能会中止。
在这种情况下，请停止使用电池，让电池冷却。之后您就可以再度使用。

中文

此外，请留心下列的警告及注意事项。

警告！

为防止发生电池漏电、发热、冒烟、爆炸及提前点燃，请确保留意下列事项。

1. 确保电池上没有堆积削屑及灰尘。
 - 在工作时确定削屑及灰尘没有掉落在电池上。
 - 确定所有工作时掉落在电动工具上的削屑和灰尘没有堆积在电池上。
 - 请勿将未使用的电池存放在曝露于削屑和灰尘的位置。
 - 在存放电池之前，请清除任何可能附着在上面的削屑和灰尘，并请切勿将它与金属零件（螺丝、钉子等）存放在一起。
2. 请勿以钉子等利器刺穿电池、以铁锤敲打、踩踏、丢掷电池，或将其剧烈撞击。
3. 切勿使用明显损坏或变形的电池。
4. 使用电池时请勿颠倒电极。
5. 请勿直接连接电源插座或汽车点烟器孔座。
6. 请依规定方式使用电池，切勿移作他用。
7. 如果已过了再充电时间，电池仍无法完成充电，请立即停止继续再充电。
8. 请勿将电池放置于高温或高压处，例如微波炉、烘干机或高压容器内。
9. 在发觉有渗漏或异味时，请勿接近远离火源。
10. 请勿在会产生强烈静电的地方使用。
11. 如有电池渗漏、异味、发热、褪色或变形，或在使用、充电或存放时出现任何异常，请立即将它从装备或电池充电器拆下，并停止使用。
12. 请勿浸泡电池或让任何液体流入电池内部。导电液体进入（如水），可能造成电池损坏，甚至可导致火灾或爆炸。将电池存放在阴凉、干燥的地方，远离易燃物品。必须避免将电池置于腐蚀性气体环境中。

注意！

1. 若电池渗漏出的液体进入您的眼睛，请勿搓揉眼睛，并以自来水等干净清水充分冲洗，立刻送医。
若不加以处理，液体可能会导致眼睛不适。
2. 若液体渗漏至您的皮肤或衣物，请立即以自来水等清水冲洗。
上述情况可能会使皮肤受到刺激。
3. 若初次使用电池时发现生锈、异味、过热、褪色、变形及 / 或其它异常情况时，请勿使用并将该电池退还给供货商或厂商。

警告！

如果有导电异物进入锂电池，可能发生短路，并有发生火灾危险的可能。请在贮存电池时，遵守如下事项。

- 请不要在电池盒内放置导电物体，如钉子、钢丝、铜丝或其他电线。
- 或者将电池装在电动工具中，或者在牢固按入电池盖并挡住通风孔后再存放，以防止短路（参照图 2）。

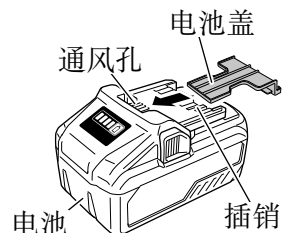


图 2

锂离子电池运输

当运输一个锂离子电池，请注意以下预防措施。

警告！

告知运输公司，包装内包含一个锂离子电池，告知该公司其功率输出并且要按照运输公司的指引安排运输。

- 功率输出超过 100Wh 的锂离子电池被视作危险物品运输分类并且需要特别申请程序。
- 对于境外运输，您必须遵守国际法以及输入国的规章和条例。
- 如果电动工具中装有BSL36B18（另售），功率输出将超过100Wh，装置将被归类为危险物品。

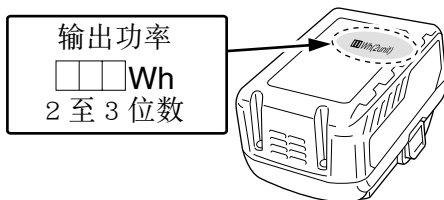


图 3

USB设备连接器使用注意事项 (UC18YSL3)

发生意外情况时，本产品连接的 USB 中保存的数据可能发生损坏或丢失。使用本产品前，请务必备份 USB 设备中的数据。

请注意，如 USB 设备中存储的数据发生损坏、丢失或连接的设备发生损坏，本公司概不负责。

符号

警告！

如下所示的符号用于本机。使用前请务必理解其含意。

	为降低伤害风险，用户必须阅读使用说明书	m/s	圆周速度
	直流电		警告
V	额定电压		

零件名称

1. 电动工具

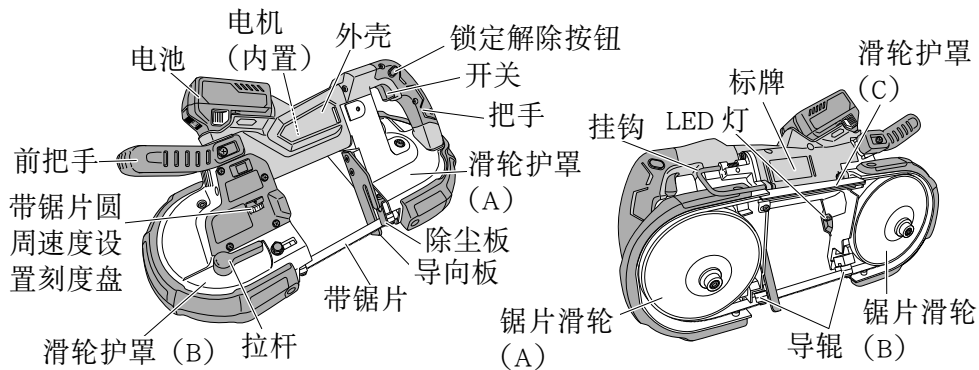
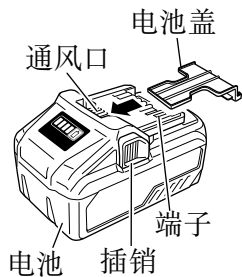


图 4

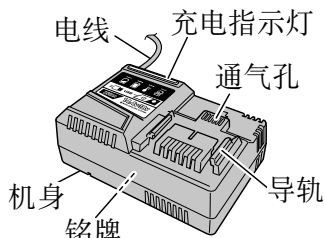
2. 电池 (另售)



<BSL36B18>

图 5

3. 电池充电器 (另售)



<UC18YSL3>

图 6

规格

电动工具

型式	CB3612DA	
电压	36V	
带锯片尺寸	1140×12.5×0.5mm	
空载带锯片速度	标准模式 (1-5)	1.0-3.2m/s (60-195m/min)
	自动模式 (A)	2.0m/s (120m/min)
最大切割能力	圆管	120mm
	方管	127mm×120mm
电池 *	BSL36B18: 锂离子 36V / 18V (4.0Ah / 8.0Ah 10节)	
重量	7.5kg (安装 BSL36B18)	

* 本工具不适用以下电池 (BSL3660/3626/3620、BSL18xx 和 BSL14xx 系列)。


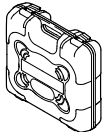
充电器 (另售)

型式	UC18YSL3
充电电压	14.4V - 18V
重量	0.6kg

标准附件

CB3612DA 的附件请参见以下列表。

表 1

		CB3612DA (NNK)
带锯片 (双金属 18 TPI)		1
塑料盒		1

用途

- 切割各类软钢材料，包括导管、不锈钢管、内衬钢管及钢条
- 切割电源线、通讯线缆、铝制窗框等有色金属材料
- 切割塑料（请勿切割热塑性材料，否则会因切割摩擦发热而熔化，将带锯片卡在材料中）

电池的拆卸 / 安装法

1. 电池的拆卸法

按住电池的卡扣（2 个）的同时，从工具外壳中取出电池（图 7）。

注意！

切勿使电池短路。

2. 电池的安装法

将电池与工具外壳的凹槽对齐，滑入到位。

请确保装入到位，直至发出轻微的喀嗒声，否则可能会使电池突然掉落，导致使用者或周围人员受伤（图 7）。

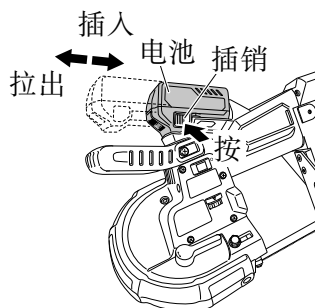


图 7

充电

使用电动工具之前，按下述方法将电池进行充电。

1. 将充电器的电源线连接到插座。

将充电器插头连接到插座时，指示灯闪烁红色（间隔为 1 秒）。

2. 将电池插入充电器。

如图 8 所示，将电池紧紧地插入充电器。

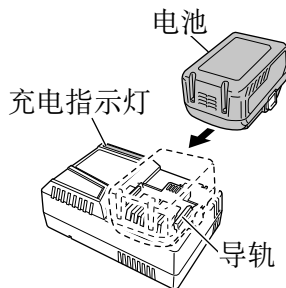


图 8

3. 充电








将电池插入充电器后，充电指示灯将呈蓝色闪烁。

电池完全充电后，充电指示灯将持续点亮呈绿色。（参照表 2）

(1) 充电指示灯的指示状态

根据充电器或可充电电池的情况，充电指示灯的显示如表 2 所示。

表 2

充电指示灯的指示状态				
充电指示灯 (红 / 蓝 / 绿 / 紫)	充电前	闪烁 (红)	点亮 0.5 秒钟。不点亮 0.5 秒钟。 (熄灭 0.5 秒钟) 	插入电源
	充电时	闪烁 (蓝)	点亮 0.5 秒钟。不点亮 1 秒钟。 (熄灭 1 秒钟) 	电池电量低于 50%
		闪烁 (蓝)	点亮 1 秒钟。不点亮 0.5 秒钟。 (熄灭 0.5 秒钟) 	电池电量低于 80%
		点亮 (蓝)	连续点亮 	电池电量高于 80%
	充电完成	点亮 (绿)	连续点亮  (发出持续蜂鸣声：约 6 秒)	
	过热 待机	闪烁 (红)	点亮 0.3 秒钟。不点亮 0.3 秒钟。 (熄灭 0.3 秒钟) 	电池过热。无法充电（电池冷却后将开始充电）
	无法 充电	闪动 (紫色)	点亮 0.1 秒钟。不点亮 0.1 秒钟。 (熄灭 0.1 秒钟)  (发出断续蜂鸣声：约 2 秒)	电池或充电器故障

(2) 可充电电池温度和充电时间相关资料
温度和充电时间如表 3 所示。

表 3

		充电器		UC18YSL3				
电池	电池类型		锂离子电池					
	电池可充电温度		0°C – 50°C					
	充电电压	V	14.4			18		
	充电时间 (环境温度 20°C)		BSL14xx 系列		BSL18xx 系列		多电压系列	
			(4 节)	(8 节)	(5 节)	(10 节)	(10 节)	
	分钟		BSL1415S : 15 BSL1415 : 15 BSL1415X : 15 BSL1420 : 20 BSL1425 : 25 BSL1430C : 30	BSL1430 : 20 BSL1440 : 26 BSL1450 : 32 BSL1460 : 38	BSL1815S : 15 BSL1815 : 15 BSL1815X : 15 BSL1820 : 20 BSL1825 : 25 BSL1830C : 30 BSL1850C : 32	BSL1830 : 20 BSL1840 : 26 BSL1850 : 32 BSL1860 : 38	BSL36A18 : 32 BSL36B18 : 52 BSL36C18 : 20	
USB	充电电压	V	5					
	充电电流	A	2					

注：

充电时间可能会因环境温度和电源电压而异。

4. 从电源插座拔下充电器的电源线。

5. 握紧充电器并取出电池。

注：

充电后，先将电池从充电器中取出，然后妥善保管。

关于新电池的放电

新电池内部的化学物质未被激活或电池长时间不使用时，初次或第二次使用时需要将其放电至较低电量。这只是暂时现象，将电池充电2-3次即可恢复为充电所需的正常时间。

较长时间保持电池性能的方法

(1) 在电池电力完全耗尽之前进行充电。

感到电动工具的能力变弱时，请停止使用并给电池充电。若您继续使用电动工具并耗尽电力，电池可能会损坏或其使用寿命缩短。

(2) 避免在高温环境中充电。

使用后可充电电池的温度将迅速升高。若使用后立即对这种电池进行充电，其内部化学物质会劣化，电池使用寿命将缩短。请稍等片刻，待电池冷却后再进行充电。

注意！

- 如果电池长时间放置在阳光直射的地方或者刚刚使用完毕时，电池会变热。如果此时对电池充电，充电器的充电指示灯会点亮 0.3 秒钟，然后熄灭 0.3 秒钟（熄灭 0.3 秒钟）。此时请等待电池冷却后再开始充电。
- 充电指示灯闪动（闪动间隔为 0.2 秒钟）时，请检查充电器的电池连接器内是否有异物并加以清除。如没有异物，则可能是电池或充电器发生了故障。请将其送往当地授权服务中心。
- 因内置的微电脑需要约 3 秒钟才能确认正用 UC18YSL3 充电的电池已被取出，因此请等待 3 秒钟后再重新插入电池继续充电。如果在不到 3 秒内就插入电池，则电池可能充电不正常。

作业之前

1. 准备和检查工作环境。

确保工作环境符合预防措施中规定的所有条件。

2. 挂钩的使用方法

挂钩可用于在工作时临时挂起本机（图 9）。

注意！

请勿用挂钩悬挂人。

使用挂钩时，请确保主要机体不会滑倒或掉落，或被风吹动等。

请勿将机器挂在腰带或裤子上，否则可能会导致事故。

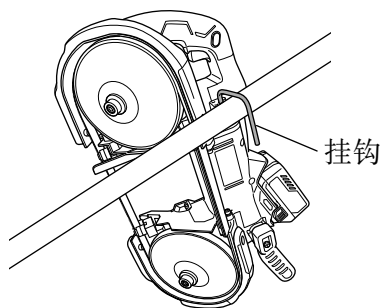


图 9

3. 调整轴承固定器的位置（图 10）

警告！

拧紧 M8 螺栓。

未充分拧紧不仅会对切割精度产生不良影响，还可能损坏带锯片，导致人员受伤。

根据工件尺寸调整轴承固定器的间距，并用 M8 螺栓固定。

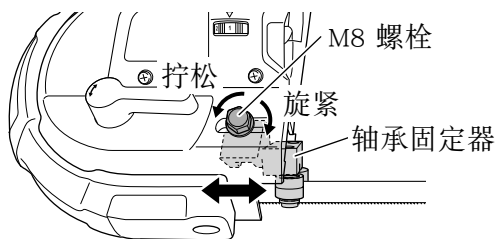


图 10

注：

如果在轴承固定器间距过大时进行切割，可能会缩短带锯片的使用寿命，或对切割精度产生不利影响。

4. 导向板突出部分调整

警告！

调整导向板的突出部分时，请务必切断电源，并从机身上取下电池。

在日常操作中，请将导向板完全伸出至 A 侧。

先松开两颗 M6 平头螺丝，然后滑动导向板并拧紧这两颗螺丝，将其固定。

当导向板在切割结束时碰到墙壁或类似障碍物时，请将其滑到适当位置。（请参照图 11）

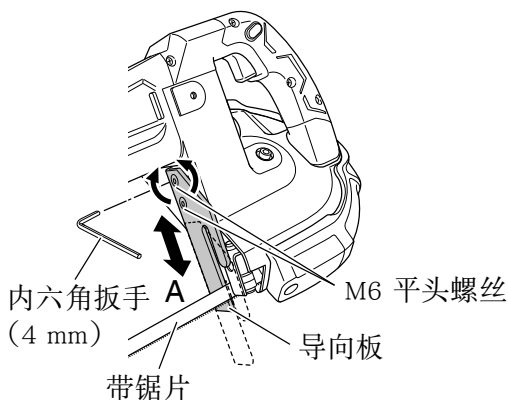


图 11

5. 开关操作（图 12）

如在向箭头指示的任一方向按锁定解除按钮的同时拉动开关，带锯片将会旋转，同时 LED 灯点亮。

激活开关并保持拨入状态后，即使松开锁定解除按钮，带锯片也会继续旋转。

此外，LED 灯将持续点亮。

松开开关时，带锯片将停止旋转，LED 灯将在约 15 秒后自动熄灭。

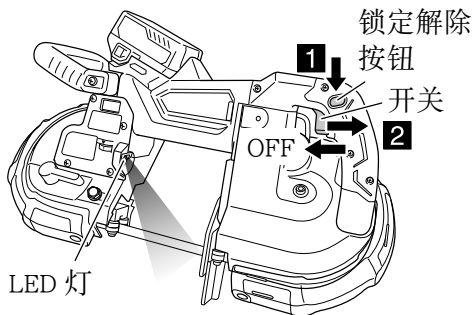


图 12

注意！

请勿直视 LED 灯光。持续或直接暴露在 LED 灯光下可能会导致视力受损。

注：

- 使用软布擦拭附着在 LED 灯镜片上的任何异物，小心不要划伤镜片。如果划伤 LED 灯的镜片，可能会导致灯的亮度减弱。
- 清洁 LED 灯的镜片时，请勿用汽油、油漆稀释剂等擦拭。否则会损坏镜片。

6. 调整操作速度（图 13）

注意！

使用带锯片圆周速度设置刻度盘选择最适合工件的圆周速度。

使用不适合切割工件的带锯片圆周速度不仅会对切割精度产生不良影响，还会对带锯片造成损坏。

本机装备了电子控制电路，可自由调整带锯片的圆周速度。

操作前，请使用带锯片圆周速度设置刻度盘，设置适合于被切割工件的属性、厚度和任务条件的模式。

- 在标准模式下，可在刻度盘上对圆周速度或带锯片速度进行任意设置（设置范围 1—5）。

在刻度盘上，1 为最低速，5 为最高速。

在标准模式下，即使负载发生变化，依然可保持在刻度盘上设置的圆周速度。

- 在自动模式下（刻度盘上的“A”），可通过在空载时降低圆周速度来降低噪音并延长操作时间。

在自动模式下，如在操作中施加负载，圆周速度会自动增加。（相当于刻度盘上的 5）

此外，切割完后如果负载变轻，圆周速度会自动降低，以减少空载时的功耗。

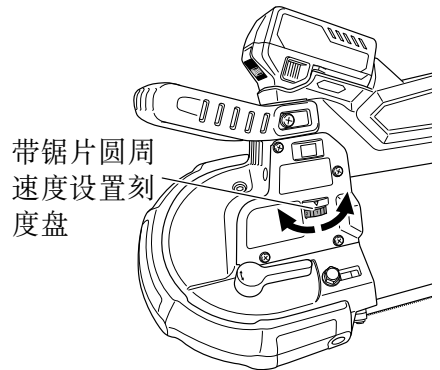


图 13

表 4 操作速度

模式	刻度盘	带锯片圆周速度 (参考值)	用途
			双金属
标准模式	1 ↑ 低速	1.0m/s (60m/min)	不锈钢和合金等难切削材料 钢材 (包括柱状杆、异型钢、 钢管在内的厚材) (厚度 4.6mm 以上) 钢材 (包括钢管在内的薄材) (厚度 4.5mm 以下)
	2	1.6m/s (93m/min)	
	3	2.1m/s (127m/min)	
	4	2.7m/s (161m/min)	
	5 ↓ 高速	3.2m/s (195m/min)	
自动模式 *	A	2.0m/s (120m/min) (空转)	钢材 (包括钢管在内的薄材) (厚度 4.5mm 以下)
		3.2m/s (195m/min) (切割操作)	

* 圆周速度可能与上述不同，具体取决于操作条件。

7. 更换带锯片

警告！

- 更换带锯片时，请务必关闭电源并从充电式工具中取出电池。
- 更换或检查带锯片时要小心，因为有时可能会弹出。

注意！

- 更换带锯片时请戴好手套。
- 刚操作后的带锯片温度很高。冷却后，方可取出。
- 安装前请检查带锯片上无裂口、裂纹或其他异常问题。
- 将带锯片安装到锯片滑轮之前，请擦拭掉附着在带锯片上的油渍或污垢。此外，请擦拭掉附着在锯片滑轮橡胶上的任何切屑或污垢。如在锯片滑轮上安装了沾有油渍或污垢的带锯片，带锯片可能滑动或松动。
- 安装带锯片时，请勿扭拧或弯曲其接头。否则可能会损坏带锯片。

安装方式

- (1) 按图中所示方向松开拉杆。(图 14)
 - (2) 请仔细留意带锯片的转向和朝向(如图), 然后将带锯片放在导辊上, 安装带锯片, 直至与带锯片后滚珠轴承座接触为止。
 - (3) 使带锯片处于不会松动的适当位置, 然后将其安放至锯片滑轮中。(图 15)
 - (4) 使带锯片处于适当位置, 然后沿拧紧方向转动拉杆并紧固好带锯片。(图 16)
- 此时, 确保带锯片的锯片未从锯片滑轮的边缘突出。
- 此时, 用手沿旋转方向旋转锯片滑轮 (A), 确保带锯片不会松动。

- (5) 尝试操作时, 请参照第 20 页的“8. 操作前检查”的步骤 (3) 至 (5)。

注:

请尽量减少带锯片的预备切割。预备切割会缩短带锯片的使用寿命。

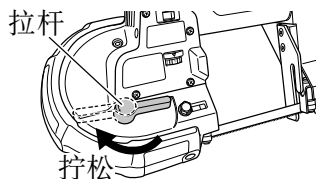


图 14

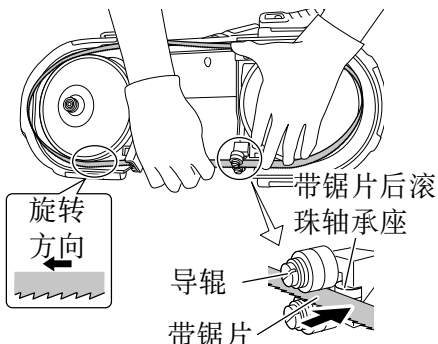


图 15

拆除方法 (图 17)

- (1) 按图中所示方向松开拉杆。(图 14)
- (2) 先从滑轮护罩 (C) 上拆下带锯片 (图中的①), 然后从锯片滑轮 (A) 和锯片滑轮 (B) 上拆下, 最后从导辊部分 (图中的②) 将其彻底拆下。

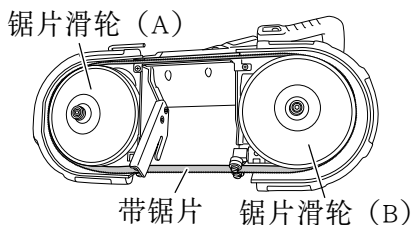


图 16

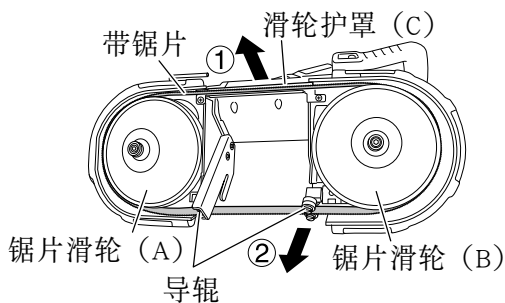


图 17

8. 操作前检查

警告！

使用本机前请检查以下事项。在执行步骤（1）和（2）前，请务必关闭开关并从工具主机中取出电池进行检查。

- (1) 确保开关已关闭。（请参照第 16 页的“5. 开关操作”。）
- (2) 使用前，请务必确认带锯片为规范产品，无任何碎裂、裂纹或变形。
检查带锯片安装正确。
- (3) 安装电池。（第 12 页的图 7）
- (4) 检查锁定解除按钮功能。（请参照第 16 页的“5. 开关操作”。）
- (5) 进行尝试操作。
开始操作前，请确保周边安全，然后将本机进行空转，确保机身的振动和带锯片无异常。
- (6) 检查电池的插入。

注意！

- 打开工具时，请确保带锯片不与工件接触。否则可能造成人员受伤。
- 为提高切割效率，可根据作业条件和被切割工件切换带锯片速度。
- 操作工具时请勿施加任何过大的力。否则可能会损坏带锯片。
- 使用后，在工具完全停止前，请确保不要将其放置在存有碎切屑的附近，否则可能会吸入这些颗粒。

操作

警告！

在操作过程中，请勿将脸部或手部靠近本机的应用工具处。

注意！

- 为延长使用期限，锂离子电池配备了停止输出的保护功能。因此，若工具超过负荷，电机也会停止。然而，这并非故障问题，而是保护功能起作用的结果。在这种情况下，请松开工具的开关，试着消除超过负荷的原因。
- 如果在切割过程中带锯片被锁定，请立即关闭开关并停止操作。
- 使用本机时，请用双手握住把手和前把手。
- 如果长时间不使用本机，请将带锯片从机身上取下并存放在合适的位置。
如果长时间安装在机身内，带锯片的使用寿命会变短。

注：

- 选择适合被切割工件属性和厚度的带锯片（带锯片的齿 / 英寸）和带锯片操作速度。
- 使用新带锯片时，请务必将带锯片操作速度设置刻度盘设为“1”，并以轻微的切割负荷（同时稍微上拉产品）对外径为 20mm 以下的物体（如柱状杆（碳钢））进行 1-2 次预备切割。
如未能执行预备切割，可能会导致锯片边缘出现裂口并降低切割精度。
- 请勿切割热塑性材料。否则会因切割摩擦发热而熔化，将带锯片卡在材料中，从而导致电机锁定。
- 请勿切割淬火钢等硬质材料。
- 导向板与工件之间存在间隙时，工件可能会发生不规则的移位并导致带锯片断裂。
- 请勿对带锯片施加过大的负载。
- 工件较薄（2mm 以下）时，请稍微抬起工具进行切割。
- 关于连续操作

该工具装备了温度保护电路，用于保护电机以及电子电机驱动控制组件。连续操作工具可能会导致本机温度升高，触发温度保护电路并自动停止操作。如果发生这种情况，请让机器充分冷却。温度一下降，便可再次使用工具。

如在连续操作期间更换了蓄电池，请让充电式工具停止操作约 15 分钟，然后继续使用。

如在更换电池后立即恢复操作，电机、开关等的温度会变高，可能导致故障或损坏。

- 关于握持本机和施力

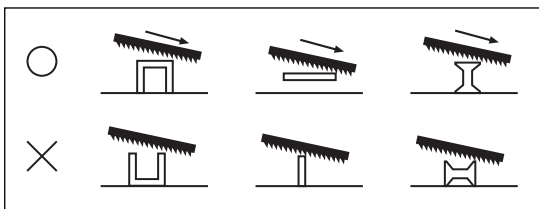
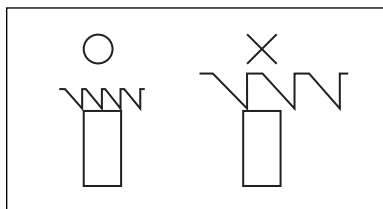
请用双手牢牢握住工具。

握持本机时，请确保带锯片与工件垂直。

此外，无需施加任何过大的力来推动本机。

请注意，如对工具施加任何过大的撬力或压力，可能会导致本机故障或损坏。

为确保稳定切割，请始终在 请参考图，为工件选择合适的切割位置。
切割中保留至少两齿的余量。



中文

1. 切割操作

- (1) 确保开关已关闭。(请参照第 16 页的“5. 开关操作”。)
- (2) 根据被切割材料的质量和厚度设置锯片圆周速度。(请参照第 17 页的“6. 调整操作速度”。)
- (3) 安装电池。(第 12 页的图 7)
- (4) 将工件压在导向板上 (图 18)
将工件压在导向板上不与带锯片接触的位置处。
- (5) 拉动开关并切割 (图 19)
当转速稳定时, 请避免突然冲击带锯, 而是轻轻地将带锯放到工件上进行切割。
完成切削时, 请握牢工具, 以免掉落到工件上。

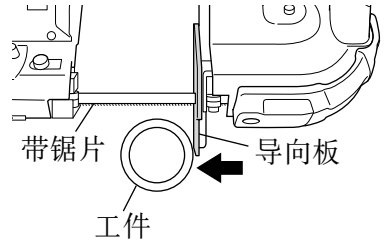


图 18

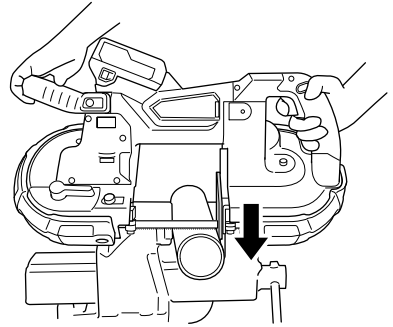


图 19

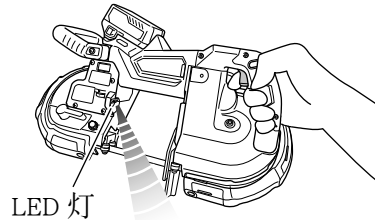


图 20

2. LED 灯警告信号 (图 20)

本产品具有保护工具本身和电池的功能。如表 5 所示, 拉动开关后, 如果在操作过程中触发任意保护功能, LED 灯将闪烁。当任何安全功能被触发时, 手指立即从开关上离开, 并按照更正措施中描述的说明操作。

表 5

保障功能	LED 灯显示	更正措施
过载保护	开 0.1 秒 / 关 0.1 秒 ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	消除过载的原因。
过热保护	开 0.5 秒 / 关 0.5 秒 ■■■■ ■■■■ ■■■■	让工具和电池完全冷却。

3. 剩余电池电量指示灯

可以按下剩余电池电量指示灯开关点亮指示灯，查看电池的剩余电量。（图 21，表 6）

按住剩余电池电量指示灯开关约 3 秒后，指示灯将熄灭。

环境温度和电池状态可能会对剩余电池电量产生轻微的影响，因此，建议您仅将指示灯作为参考。

此外，电动工具或充电器上的剩余电池电量指示灯可能有所不同。

剩余电池 剩余电池电量
电量指示灯 指示灯开关

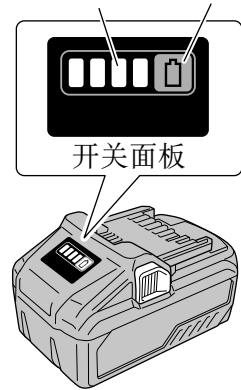


图 21

表 6

指示灯状态	电池剩余电量
	点亮； 电池剩余电量超过 75%
	点亮； 电池剩余电量为 50%–75%
	点亮； 电池剩余电量为 25%–50%
	点亮； 电池剩余电量不到 25%
	闪烁； 电池剩余电量即将耗尽。请尽快对电池进行充电。
	闪烁； 因高温暂停输出从电动工具中取下电池，让电池完全冷却。
	闪烁； 因失败或故障暂停输出。电池可能出现故障，请与经销商联系。

环境温度和电池特性不同，则所显示的电池剩余电量也会有些许不同，以上内容仅供参考。

注：

请勿强烈撞击或破坏开关面板。否则可能会导致故障。

USB设备的充电方法

警告！

- 使用之前请检查 USB 连接线缆是否有破损或损坏。
使用有破损或损坏的 USB 线缆可能会导致冒烟或着火。
- 不使用产品时，请用橡胶盖封好 USB 端口。
USB 端口中落入灰尘等可能会导致冒烟或着火。

注：

- USB 充电过程中，可能会有偶尔暂停。
- USB 设备未充电时，请将充电器上拔下 USB 设备。
否则不仅会减少 USB 设备的电池寿命，还会导致意外事故。
- 根据设备类型，可能无法对部分 USB 设备进行充电。

(1) 选择充电方式

根据所选的充电方式，将电池插入充电器或连接电源线插入插座。

- 将 USB 设备插入插座进行充电（图 22-a）。
- 将 USB 设备和电池插入插座进行充电。（图 22-b）

(2) 连接 USB 线缆。（图 23）

拨下橡胶盖并将市售的 USB 线缆（匹配充电的设备）紧紧插入 USB 端口。

(3) 充电完成时

- 检查 USB 设备以检验充电状态。
- 从插座中拔下电源线。（图 24）
- 用橡胶盖盖住 USB 端口。

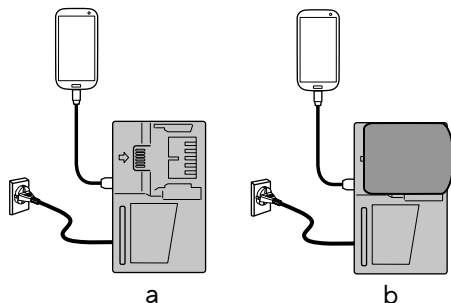


图 22

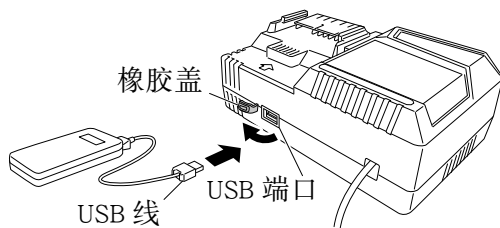


图 23

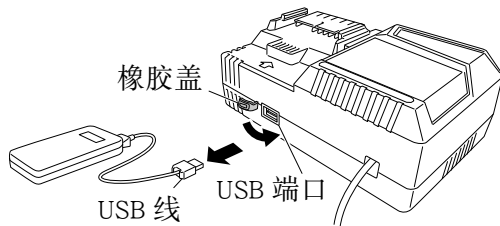


图 24

维护和检查

注意！

检查或维护前，请务必关闭开关并取出电池。
使用带锯片时请务必戴好手套。

1. 更换带锯片（请参照第18-19页）

如果带锯片变钝，会导致电机和工具的各部分负载过重，以及效率降低。
请立即更换带锯片。

2. 锯片滑轮橡胶检查（图 25）

锯片滑轮橡胶安装在锯片滑轮的外圆周上（2处）。（贴合型）

更换带锯片时，检查锯片滑轮橡胶是否垂落或损坏。

如有垂落或损坏，请联系 HiKOKI 授权服务中心进行更换，否则可能导致带锯片运行不稳或松动。

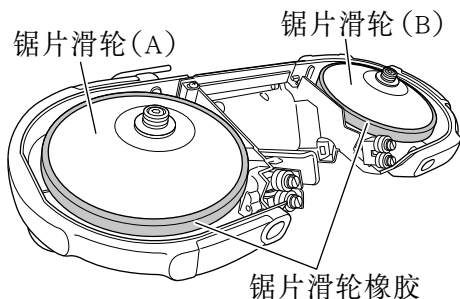


图 25

注：

请定期清除粘附在锯片滑轮橡胶上的任何切屑等。
否则可能会导致带锯片滑动和 / 或人员受伤。

3. 检查带锯片后滚珠轴承座（图 26）

定期检查轴承固定器内的带锯片后滚珠轴承座是否磨损。

带锯片后滚珠轴承座磨损时，会对带锯片施加过大的力，从而导致带锯片损坏。

带锯片后滚珠轴承座如有磨损，请联系 HiKOKI 授权服务中心进行更换。

4. 带锯片导辊检查及间隙调整（图 27）

仍继续使用本机时，带锯片导辊之间的间隙可能变大。

间隙变大时，带锯片可能会松动，导致切割精度降低。

定期检查带锯片导辊之间的间隙是否合适（导辊轻触带锯片），如有必要，进行调整。

此外，带锯片导辊如有损坏，请联系 HiKOKI 授权服务中心进行更换。

带锯片后滚珠轴承座

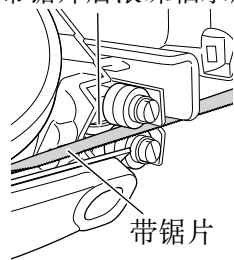


图 26

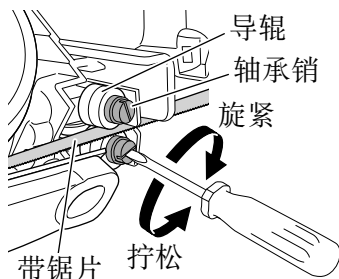


图 27

① 拆下带锯片。

(请参照第18-19页“7.更换带锯片”。)

② 用平头螺丝刀拧松轴承销。

将带锯片放在导辊之间并拧紧轴承销，根据需要进行调整，以确保锯片与轴承座轻轻接触。

③ 安装带锯片。

(请参照第18-19页“7.更换带锯片”。)

5. 检查安装螺钉

要经常检查安装螺钉是否紧固妥善。若发现螺钉松了，应立即重新扭紧，否则会导致严重的事故。

6. 电动机的维护

电动机绕线是电动工具的“心脏部”应仔细检查有无损伤，是否被油液或水沾湿。

7. 查看灰尘

用软布或用肥皂水浸泡的布可以擦去灰尘。

请勿使用漂白剂、氯、汽油或稀释剂，因为可能会损坏塑料。

定期清理积聚在滑轮护罩(A)和(B)中的任何锯屑。

8. 检查端子(工具和电池)

确保端子上没有堆积削屑和灰尘。

在操作前、操作时和操作后需要时常检查。

注意！

请清除端子上的削屑或灰尘。

否则可能导致故障。

9. 电力耗尽的电池的处理方法

警告！

请勿将电力耗尽的电池丢弃。如果焚烧电池，可能会引起爆炸。该电池可回收利用。根据各国家和地区的法令法规，将电力耗尽的电池丢弃到城市垃圾中属于违法行为。请向当地的固体废弃物负责人员咨询具体回收事宜或妥善的处理方法。

10.收藏

存放在 40℃以下儿童够不到的地方。

注：

存放锂离子电池

在存放前请确保电池已完全充电。

电池在低电量的状态下长时间存放（3 个月或更长），可能会导致电池性能劣化，使用时间明显减少或无法进行充电。

但是，即使是使用时间明显减少的电池，通过反复充电和使用 2～5 次，有时也可恢复使用时间。

若反复充电和使用后电池的使用时间仍非常短，请认作为电池已达到了使用寿命并更换新的电池。

注意！

在操作和维修电动工具时，必须遵守贵国制定的安全的有关规则和标准。

关于 HiKOKI 牌无线电动工具的重要通知：


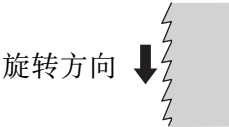
请确保始终使用我们指定的正版电池。如果使用我们指定以外的电池，或对电池进行拆卸和改动（例如拆卸和更换电池组件或其他内部部件），那么我们无法保证我们无线电动工具的安全性和使用性能。

故障排除

如果工具操作不正常，请使用下表中的检查步骤。如果未能解决问题，请向经销商或 HiKOKI 公司授权服务中心咨询。

1. 电动

现象	可能的原因	解决办法
本机不运行 / 停止	电池容量已耗尽	为蓄电池充电。
突然停机	本机超载	消除大负载的原因。
	蓄电池过热	让蓄电池充分冷却。
带锯片松动	带锯片或工件上有油渍或污垢	请擦拭干净附着在带锯片或工件上的油渍或污垢。
	带锯片安装不正确	请正确安装带锯片。 (请参照第18-19页的“7.更换带锯片”)

现象	可能的原因	解决办法
带锯片与工件配合不佳	未使用适配工件的带锯片操作速度	请选择正确的带锯片操作速度。(请参照第17-18页的“6.调整操作速度”)
切割精度差	带锯片磨损	请更换新带锯片。
	未使用适配工件的带锯片操作速度	请选择正确的带锯片操作速度。(请参照第17-18页的“6.调整操作速度”)
	带锯片安装不正确	请正确安装带锯片。(请参照第18-19页的“7.更换带锯片”)
	带锯片滚珠轴承座之间的间隙变大	正确调整间隙。(请参照第25-26页的“4.带锯片导辊检查及间隙调整”)
	正在使用未经制造商授权的带锯片	使用制造商授权的带锯片。
	未进行充分的预备切割	将带锯片的操作速度设置刻度盘设为“1”，以轻微的切割负荷执行1或2次预备切割，如外径为3/4”或以下的柱状杆(碳钢等)。
需要长时间切割	带锯片朝向错误	请正确安装带锯片。(请参照第18-19页的“7.更换带锯片”)
		
	带锯片的操作速度不适配工件	请选择正确的带锯片操作速度。(请参照第17-18页的“6.调整操作速度”)
	带锯片磨损	更换带锯片。
	电池剩余电量不足。	为蓄电池充电。

现象	可能的原因	解决办法
切割时有较大的振动	带锯片边缘有缺口	更换带锯片。
	带锯片的操作速度不匹配工件	请选择正确的带锯片操作速度。（请参照第17-18页的“6.调整操作速度”）
锯片边缘经常出现缺口	切割时本机被死死按住	请使用本机自重或轻压进行切割。
	带锯片冲击工件	将带锯片缓慢地靠近工件，轻轻切割。
	工件在切割中移动	用虎钳等牢牢固定工件。
	带锯片的操作速度不匹配工件	请选择正确的带锯片操作速度。（请参照第17-18页的“6.调整操作速度”）
无法安装电池	请尝试安装该工具指定的其他正版电池。	请安装多电压式电池。

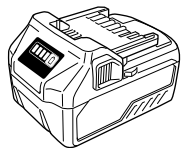
2. 充电器

现象	可能的原因	解决办法
充电指示灯快速闪动紫色，电池未开始充电。	电池未完全插入。	请紧紧插入电池。
	电池端部或电池的连接处有异物。	将异物清除。
充电指示灯闪烁红色，电池未开始充电。	电池未完全插入。	请紧紧插入电池。
	电池过热。	如果继续放置，电池将在温度降低后自动开始充电，但此种情况可能会缩短电池使用寿命。建议将电池放置在通风良好的位置，在充电前避免阳光直射。
即使电池完全充电，电池的使用寿命也会逐渐缩短。	电池的使用寿命已耗尽。	请更换新电池。

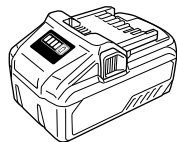
现象	可能的原因	解决办法
电池的充电时间较长。	电池、充电器或周围环境的温度过低。	请在室内或温暖的环境中充电。
	充电器的排气孔堵塞，导致其内部部件过热。	请勿堵塞排气孔。
	冷却扇未运转。	请联系 HiKOKI 授权服务中心进行维修。
USB 电源灯熄灭，USB 设备停止充电。	电池剩余电量低。	用电量充足电池替换它。
		将充电器的电源插头插入电插座中。
即使 USB 设备充电完毕，USB 电源灯也不熄灭。	USB 电源灯点亮呈绿色，提示可进行 USB 充电。	这种情况不属于故障。
不清楚 USB 设备的充电状态如何或者是否充电完毕。	即使充电完毕，USB 电源灯也不熄灭。	检查正在充电的 USB 设备以确定其充电状态。
USB 设备在中途暂停充电。	使用电池作为电源对 USB 设备进行充电时，充电器插入电插座。	这种情况不属于故障。 充电器与电源间存在差异时，USB 将暂停充电约 5 秒钟。
	使用电源插座作为电源对 USB 设备进行充电时，电池插入充电器。	
电池和 USB 设备同时充电时，USB 设备将在中途暂停充电。	电池已完全充电。	这种情况不属于故障。 检查电池是否已充电完成时，充电器将暂停 USB 充电约 5 秒钟。
电池和 USB 设备同时充电时，USB 设备将无法开始充电。	电池剩余电量已不足。	这种情况不属于故障。 电池电量达到一定程度时，USB 将自动开始充电。

选择附件

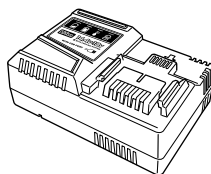
有关详细信息请联系 HIKOKI 授权服务中心。



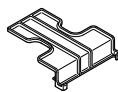
BSL36A18



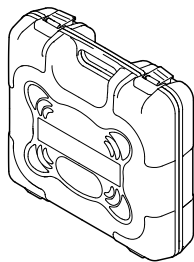
BSL36B18



UC18YSL3 (14.4V - 18V)



329897



产品编号：376268

塑料盒

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GENERAL POWER TOOL SAFETY WARNINGS

WARNING

Read all safety warnings and all instructions.

Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term “power tool” in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

- 1) **Work area safety**
 - a) **Keep work area clean and well lit.**
Cluttered or dark areas invite accidents.
 - b) **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.**
Power tools create sparks which may ignite the dust or fumes.
 - c) **Keep children and bystanders away while operating a power tool.**
Distractions can cause you to lose control.

2) Electrical safety

- a) **Power tool plugs must match the outlet.**
Never modify the plug in any way.
Do not use any adapter plugs with earthed (grounded) power tools.
Unmodified plugs and matching outlets will reduce risk of electric shock.
- b) **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.**
There is an increased risk of electric shock if your body is earthed or grounded.
- c) **Do not expose power tools to rain or wet conditions.**
Water entering a power tool will increase the risk of electric shock.
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool.**
Keep cord away from heat, oil, sharp edges or moving parts.
Damaged or entangled cords increase the risk of electric shock.
- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.**
Use of a cord suitable for outdoor use reduces the risk of electric shock.
- f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.**
Use of an RCD reduces the risk of electric shock.

3) Personal safety

- a) **Stay alert, watch what you are doing and use common sense when operating a power tool.**
Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.
A moment of inattention while operating power tools may result in serious personal injury.
- b) **Use personal protective equipment. Always wear eye protection.**
Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) **Prevent unintentional starting. Ensure the switch is in the off position before connecting to power source and/or battery pack, picking up or carrying the tool.**
Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- d) **Remove any adjusting key or wrench before turning the power tool on.**
A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- e) **Do not overreach. Keep proper footing and balance at all times.**
This enables better control of the power tool in unexpected situations.
- f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.**
Loose clothes, jewellery or long hair can be caught in moving parts.
- g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.**
Use of dust collection can reduce dust-related hazards.

English

4) Power tool use and care

- a) **Do not force the power tool. Use the correct power tool for your application.**
The correct power tool will do the job better and safer at the rate for which it was designed.
- b) **Do not use the power tool if the switch does not turn it on and off.**
Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c) **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.**
Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.**
Power tools are dangerous in the hands of untrained users.
- e) **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation.**
If damaged, have the power tool repaired before use.
Many accidents are caused by poorly maintained power tools.
- f) **Keep cutting tools sharp and clean.**
Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.**
Use of the power tool for operations different from those intended could result in a hazardous situation.

5) Battery tool use and care

- a) **Recharge only with the charger specified by the manufacturer.**
A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- b) **Use power tools only with specifically designated battery packs.**
Use of any other battery packs may create a risk of injury and fire.
- c) **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another.**
Shorting the battery terminals together may cause burns or a fire.
- d) **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.**
Liquid ejected from the battery may cause irritation or burns.

6) Service

- a) **Have your power tool serviced by a qualified repair person using only identical replacement parts.**
This will ensure that the safety of the power tool is maintained.

CAUTION

Keep children and infirm persons away.

When not in use, tools should be stored out of reach of children and infirm persons.

CORDLESS BAND SAW SAFETY WARNINGS

1. Always hold the tool firmly with both hands on handle and front handle (Fig. 1). Do not touch the metal part.
2. Make sure that the area to be cut is absolutely free of any hidden obstructions including electrical wiring, water, or gas pipes. Cutting into the aforementioned may result in electric shock or short circuit, gas leak or other hazards that can cause serious accidents or injuries.
3. Make sure to securely hold the tool during operation. Failure to do so can result in accidents or injuries.
4. Setting up and checking the work environment. Check if the work environment is suitable by following the precaution.
5. Dust particles such as silica or asbestos are hazardous to your health. When working with materials containing these components, take appropriate dust-proofing measures.
6. Working with metal can cause sparks. Make sure there are no flammable and combustible materials in the vicinity and that they are stored in a safe location.
7. During operation, do not put your hands, face, or other body parts near the rotating band saw blade or other rotating parts. Doing so may result in injury.
8. If the main unit is accidentally dropped or suffers any impact, carefully inspect the band saw blade, the unit, etc. to be sure there are no damages, cracks, or deformations.
Injury may result if there are any damages, cracks, or deformations.
9. During operation, if the unit is not running smoothly, or there are abnormal sounds or vibrations, promptly switch off the unit, discontinue use and contact a HiKOKI Authorized Service Center for inspection and/or repairs.
Continuing use under these conditions may result in injury.
10. When using this unit continuously, the unit may overheat, leading to damage in the motor and switch. Please leave it without using it for approximately 15 minutes.
11. Follow the instruction manual and make sure that the band saw blade and accessories are properly installed.
Improper installation may result in injury from parts coming loose.
12. Securely fasten the workpiece to be cut.
If the workpiece is not securely fastened, it may shift position and cause damage to the band saw blade and/or injury.

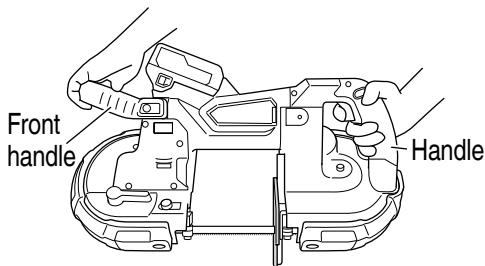


Fig. 1

English

13. To avoid having the band saw blade clamped between the cut surfaces during or immediately after cutting, set up a support stand to bear the weight of the workpiece, placing it near the section to be cut.
If the band saw blade becomes clamped, it may result in injury.
14. If the section to be cut off is large, set up another stable support stand to bear the weight of that section as well.
Not using such a support may result in injury.
15. During operation, do not wear cloth work gloves or other similar hand protection that may get caught in the unit.
Getting caught in the rotating section of the tool may result in injury.
16. Prior to operation, verify the safety of the surrounding area and run the blade briefly to make sure that there are no abnormalities in the vibrations of the unit or in the band saw blade.
If there are such abnormalities, unexpected movements may occur and cause injury.
17. When working in a high location, ensure that there are no people below.
Dropping the workpiece or the cordless tool from a high location may result in an accident.
18. Do not apply any sudden impact to the workpiece with the band saw blade.
Doing so may damage the band saw blade and/or result in injury.
19. Use the product's own weight or press gently to cut a workpiece.
Applying unnecessary force while cutting can result in detachment of or damage to the band saw blade which may cause injury.
20. Do not touch the band saw blade, the workpiece, or shavings with bare hands immediately after cutting, as they will be hot.
Doing so may result in burns.
21. Remove any shavings adhering to the band saw blade or blade pulley rubbers as well as any shavings that accumulates inside the pulley guard (A), (B).
The shavings may cause the band saw blade to detach or slip, and result in injury.
22. If the switch lock won't return to its original position, promptly discontinue use and contact a HiKOKI Authorized Service Center for repairs.
23. Use of a band saw blade other than one authorized by the manufacture or a band saw blade with any abnormalities may result in damage to the band saw blade and/or injury.
24. When switching the power on, verify that the band saw blade is not in contact with the workpiece to be cut or any surrounding objects.
Failure to do so may result in the main unit being dropped and/or injury.
25. In order to prevent accidents, when taking a break from operation or after operation, be sure to switch off the power and remove the battery from the cordless tool.
26. If the band saw blade locks up while cutting, promptly switch off the power and stop it from running.
Failure to do so may result in damage to the band saw blade.
27. The motor may stop in the event the tool is overloaded.
In this should occur, release the tool's switch and eliminate the cause of the overload.

28. Do not leave the tool running unattended on the floor, table or other locations. Doing so may result in injury.
29. For cutting efficiency, switch the mode of the application tool according to task conditions and workpieces to be cut.
30. Do not use two or more batteries continuously. Doing so will not only pose a problem to the unit body, but may also cause the temperature of the unit body to rise, or lead to burn injuries.
31. After use, be sure not to place the tool near chips or sawdust before it comes to a full stop as the tool may suck in those particles.
32. After use, if the unit will not be used for a long period, remove the band saw blade from the unit body and store the band saw blade.
If the band saw blade is left installed in the unit body for a long period, the lifespan of the band saw blade will become shorter.

ADDITIONAL SAFETY WARNINGS

1. Always charge the battery at a temperature of 0–40°C.
A temperature of less than 0°C will result in over charging which is dangerous. The battery cannot be charged at a temperature greater than 40°C.
The most suitable temperature for charging is that of 20–25°C.
2. When one charging is completed, leave the charger for about 15 minutes before the next charging of battery.
3. Do not allow foreign matter to enter the hole for connecting the rechargeable battery.
4. Never disassemble the rechargeable battery and charger.
5. Never short-circuit the rechargeable battery.
Short-circuiting the battery will cause a great electric current and overheat. It results in burn or damage to the battery.
6. Do not dispose of the battery in fire.
If the battery burnt, it may explode.
7. Do not insert object into the air ventilation slots of the charger.
Inserting metal objects or inflammables into the charger air ventilation slots will result in electrical shock hazard or damaged charger.
8. Bring the battery to the shop from which it was purchased as soon as the post-charging battery life becomes too short for practical use. Do not dispose of the exhausted battery.
9. Using an exhausted battery will damage the charger.
10. Do not use the product if the tool or the battery terminals (battery mount) are deformed.
Installing the battery could cause a short circuit that could result in smoke emission or ignition.

English

11. Keep the tool's terminals (battery mount) free of swarf and dust.
 - Prior to use, make sure that swarf and dust have not collected in the area of the terminals.
 - During use, try to avoid swarf or dust on the tool from falling on the battery.
 - When suspending operation or after use, do not leave the tool in an area where it may be exposed to falling swarf or dust.
Doing so could cause a short circuit that could result in smoke emission or ignition.

CAUTION ON LITHIUM-ION BATTERY

To extend the lifetime, the lithium-ion battery equips with the protection function to stop the output.

In the cases of 1 to 3 described below, when using this product, even if you are pulling the switch, the motor may stop. This is not the trouble but the result of protection function.

1. When the battery power remaining runs out, the motor stops.
In such case, charge it up immediately.
2. If the tool is overloaded, the motor may stop. In this case, release the switch of tool and eliminate causes of overloading. After that, you can use it again.
3. If the battery is overheated under overload work, the battery power may stop.
In this case, stop using the battery and let the battery cool. After that, you can use it again.

Furthermore, please heed the following warning and caution.

WARNING

In order to prevent any battery leakage, heat generation, smoke emission, explosion and ignition beforehand, please be sure to heed the following precautions.

1. Make sure that swarf and dust do not collect on the battery.
 - During work make sure that swarf and dust do not fall on the battery.
 - Make sure that any swarf and dust falling on the power tool during work do not collect on the battery.
 - Do not store an unused battery in a location exposed to swarf and dust.
 - Before storing a battery, remove any swarf and dust that may adhere to it and do not store it together with metal parts (screws, nails, etc.).
2. Do not pierce battery with a sharp object such as a nail, strike with a hammer, step on, throw or subject the battery to severe physical shock.
3. Do not use an apparently damaged or deformed battery.
4. Do not use the battery in reverse polarity.
5. Do not connect directly to an electrical outlets or car cigarette lighter sockets.
6. Do not use the battery for a purpose other than those specified.
7. If the battery charging fails to complete even when a specified recharging time has elapsed, immediately stop further recharging.

8. Do not put or subject the battery to high temperatures or high pressure such as into a microwave oven, dryer, or high pressure container.
9. Keep away from fire immediately when leakage or foul odor are detected.
10. Do not use in a location where strong static electricity generates.
11. If there is battery leakage, foul odor, heat generated, discolored or deformed, or in any way appears abnormal during use, recharging or storage, immediately remove it from the equipment or battery charger, and stop use.
12. Do not immerse the battery or allow any fluids to flow inside. Conductive liquid ingress, such as water, can cause damage resulting in fire or explosion. Store your battery in a cool, dry place, away from combustible and flammable items. Corrosive gas atmospheres must be avoided.

CAUTION

1. If liquid leaking from the battery gets into your eyes, do not rub your eyes and wash them well with fresh clean water such as tap water and contact a doctor immediately.
If left untreated, the liquid may cause eye-problems.
2. If liquid leaks onto your skin or clothes, wash well with clean water such as tap water immediately.
There is a possibility that this can cause skin irritation.
3. If you find rust, foul odor, overheating, discolor, deformation, and/or other irregularities when using the battery for the first time, do not use and return it to your supplier or vendor.

WARNING

If an electrically conductive foreign object enters the terminals of the lithium ion battery, a short-circuit may occur resulting in the risk of fire. Please observe the following matters when storing the battery.

- Do not place electrically conductive cuttings, nails, steel wire, copper wire or other wire in the storage case.
- Either install the battery in the power tool or store by securely pressing into the battery cover until the ventilation holes are concealed to prevent short-circuits (See Fig. 2).

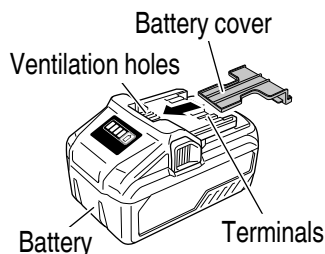


Fig. 2

REGARDING LITHIUM-ION BATTERY TRANSPORTATION

When transporting a lithium-ion battery, please observe the following precautions.

WARNING

Notify the transporting company that a package contains a lithium-ion battery, inform the company of its power output and follow the instructions of the transportation company when arranging transport.

- Lithium-ion batteries that exceed a power output of 100 Wh are considered to be in the freight classification of Dangerous Goods and will require special application procedures.
- For transportation abroad, you must comply with international law and the rules and regulations of the destination country.
- If the BSL36B18 (sold separately) is installed in the power tool, the power output will exceed 100 Wh and the unit will be classified as Dangerous Goods for freight classification.

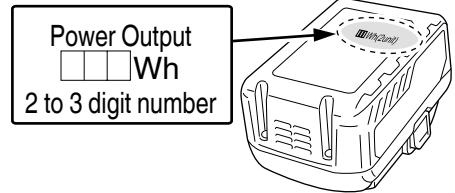


Fig. 3

USB DEVICE CONNECTION PRECAUTIONS (UC18YSL3)




When an unexpected problem occurs, the data in a USB device connected to this product may be corrupted or lost. Always make sure to back up any data contained in the USB device prior to use with this product.

Please be aware that our company accepts absolutely no responsibility for any data stored in a USB device that is corrupted or lost, nor for any damage that may occur to a connected device.

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.	m/s	Circumferential speed
	Direct current		Warning
V	Rated voltage		

NAME OF PARTS

1. POWER TOOL

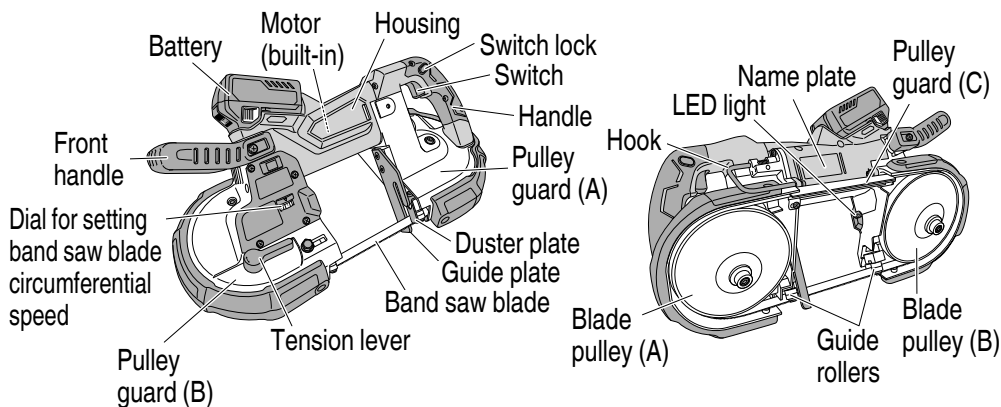


Fig. 4

2. Battery (Sold separately)

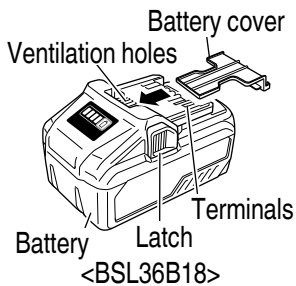


Fig. 5

3. Battery Charger (Sold separately)

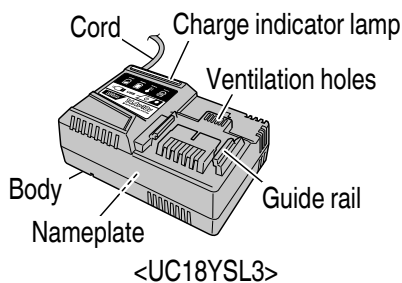


Fig. 6

SPECIFICATIONS

POWER TOOL

Model		CB3612DA
Voltage		36 V
Band Saw Blade dimensions		1140 × 12.5 × 0.5 mm
No-Load Band Saw blade speed	Standard Mode (1–5)	1.0–3.2 m/s (60–195 m/min)
	Auto Mode (A)	2.0 m/s (120 m/min)
Max. cutting capacity	Round pipe	120 mm
	Square pipe	127 mm × 120 mm
Battery*		BSL36B18: Li-ion 36 V / 18 V (4.0 Ah / 8.0 Ah 10 cells)
Weight		7.5 kg (BSL36B18 attached)

* Existing batteries (BSL3660/3626/3620, BSL18xx and BSL14xx series) cannot be used with this tool.


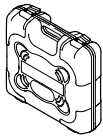
Charger (Sold separately)

Model	UC18YSL3
Charging voltage	14.4–18 V
Weight	0.6 kg

STANDARD ACCESSORIES

See the list below to check the accessories for CB3612DA.

Table 1

		CB3612DA (NNK)
Band Saw Blade (Bi-Metal 18 TPI)		1
Plastic case		1

APPLICATIONS

- Cutting various types of soft steel materials including conduit pipes, stainless steel pipes, lining steel pipes and steel rods
- Cutting nonferrous metal materials including power and communication cables and aluminum window frames
- Cutting plastic (thermoplastic material cannot be cut as the band saw blade may become wedged in the material which is prone to melting when heated by cutting friction)

BATTERY REMOVAL / INSTALLATION

1. Battery removal
Withdraw battery from the tool housing while pressing the latch (2 pcs) of the battery (**Fig. 7**).

CAUTION

Never short-circuit the battery.

2. Battery installation
Align the battery with the groove in tool housing and slip it into place.
Always insert it all the way until it locks in place with a little click, If not, it may accidentally fall out of the tool, causing injury to you or someone around you (**Fig. 7**).

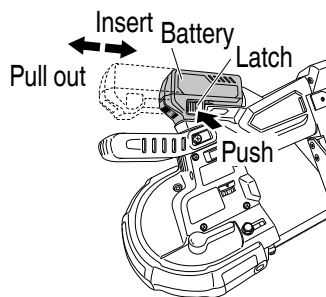


Fig. 7

CHARGING

Before using the power tool, charge the battery as follows.

1. **Connect the charger's power cord to the receptacle.**
When connecting the plug of the charger to a receptacle, the pilot lamp will blink in red (At 1- second intervals).
2. **Insert the battery into the charger.**
Firmly insert the battery into the charger as shown in **Fig. 8**.

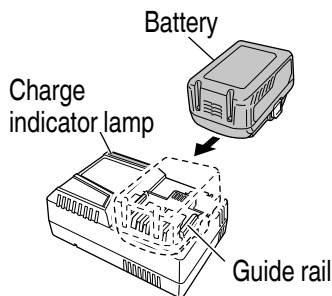


Fig. 8

English

3. Charging

When inserting a battery in the charger, the charge indicator lamp will blink in blue.








When the battery becomes fully recharged, the charge indicator lamp will light up in green.

(See **Table 2**)

(1) Charge indicator lamp indication

The indications of the charge indicator lamp will be as shown in **Table 2**, according to the condition of the charger or the rechargeable battery.

Table 2

Indications of the charge indicator lamp				
Charge indicator lamp (RED / BLUE / GREEN / PURPLE)	Before charging	Blinks (RED)	Lights for 0.5 seconds. Does not light for 0.5 seconds. (off for 0.5 seconds) 	Plugged into power source
	While charging	Blinks (BLUE)	Lights for 0.5 seconds. Does not light for 1 second. (off for 1 second) 	Battery capacity at less than 50%
		Blinks (BLUE)	Lights for 1 second. Does not light for 0.5 seconds. (off for 0.5 seconds) 	Battery capacity at less than 80%
		Lights (BLUE)	Lights continuously 	Battery capacity at more than 80%
	Charging complete	Lights (GREEN)	Lights continuously  (Continuous buzzer sound: about 6 seconds)	
	Overheat standby	Blinks (RED)	Lights for 0.3 seconds. Does not light for 0.3 seconds. (off for 0.3 seconds) 	Battery overheated. Unable to charge. (Charging will commence when battery cools)
	Charging impossible	Flickers (PURPLE)	Lights for 0.1 seconds. Does not light for 0.1 seconds. (off for 0.1 seconds)  (Intermittent buzzer sound: about 2 seconds)	Malfunction in the battery or the charger

- (2) Regarding the temperatures and charging time of the rechargeable battery
The temperatures and charging time will become as shown in **Table 3**.

Table 3

Charger		UC18YSL3					
Battery	Type of battery	Li-ion					
	Temperatures at which the battery can be recharged	0°C – 50°C					
	Charging voltage	V	14.4		18		
	Charging time, approx. (At 20°C)	min	BSL14xx series		BSL18xx series		Multi volt series
			(4 cells)	(8 cells)	(5 cells)	(10 cells)	(10 cells)
		BSL1415S: 15 BSL1415 : 15 BSL1415X: 15 BSL1420 : 20 BSL1425 : 25 BSL1430C: 30	BSL1430 : 20 BSL1440 : 26 BSL1450 : 32 BSL1460 : 38	BSL1815S: 15 BSL1815 : 15 BSL1815X: 15 BSL1820 : 20 BSL1825 : 25 BSL1830C: 30 BSL1850C: 32	BSL1830 : 20 BSL1840 : 26 BSL1850 : 32 BSL1860 : 38	BSL36A18: 32 BSL36B18: 52 BSL36C18: 20	
USB	Charging voltage	V	5				
	Charging current	A	2				

NOTE

The recharging time may vary according to the ambient temperature and power source voltage.

4. Disconnect the charger's power cord from the receptacle.**5. Hold the charger firmly and pull out the battery.****NOTE**

Be sure to pull out the battery from the charger after use, and then keep it.

Regarding electric discharge in case of new batteries, etc.

As the internal chemical substance of new batteries and batteries that have not been used for an extended period is not activated, the electric discharge might be low when using them the first and second time. This is a temporary phenomenon, and normal time required for recharging will be restored by recharging the batteries 2–3 times.

English

How to make the batteries perform longer.

- (1) Recharge the batteries before they become completely exhausted.
When you feel that the power of the tool becomes weaker, stop using the tool and recharge its battery. If you continue to use the tool and exhaust the electric current, the battery may be damaged and its life will become shorter.
- (2) Avoid recharging at high temperatures.
A rechargeable battery will be hot immediately after use. If such a battery is recharged immediately after use, its internal chemical substance will deteriorate, and the battery life will be shortened. Leave the battery and recharge it after it has cooled for a while.

CAUTION

- If the battery is charged while it is heated because it has been left for a long time in a location subject to direct sunlight or because the battery has just been used, the charge indicator lamp of the charger lights for 0.3 seconds, does not light for 0.3 seconds (off for 0.3 seconds). In such a case, first let the battery cool, then start charging.
- When the charge indicator lamp flickers (at 0.2-second intervals), check for and take out any foreign objects in the charger's battery connector. If there are no foreign objects, it is probable that the battery or charger is malfunctioning. Take it to your authorized Service Center.
- Since the built-in micro computer takes about 3 seconds to confirm that the battery being charged with UC18YSL3 is taken out, wait for a minimum of 3 seconds before reinserting it to continue charging. If the battery is reinserted within 3 seconds, the battery may not be properly charged.

PRIOR TO OPERATION

1. Preparing and checking the work environment
Make sure that the work site meets all the conditions laid forth in the precautions.
2. How to use the Hook
The hook can be used to hang up the unit temporarily during operations (**Fig. 9**).

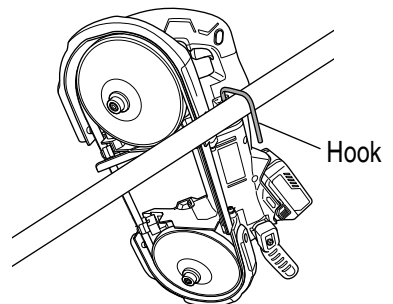


Fig. 9

CAUTION

The hook should never be used to hang the unit on your person.

When using the hook, check to make sure that the main unit will not slip and fall, or become unstable by the wind, etc. Never hang the unit from your belt or trousers as this could cause accidents.

3. Adjusting the positions of bearing holders (Fig. 10)

WARNING

Securely tighten the M8 bolt.
Insufficient tightening will not only negatively affect cutting precision, but may also damage the band saw blade leading to personal injury.

Adjust the spacing between bearing holders according to the size of the workpiece, and secure them using M8 bolts.

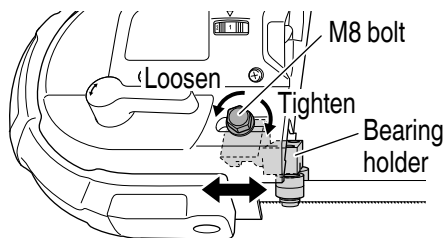


Fig. 10

NOTE

Cutting with excessively large spacing between bearing holders may shorten the life of the band saw blade or adversely affect cutting precision.

4. Guide plate protrusion adjustment

WARNING

Be sure to switch power OFF and disconnect the battery from the body when adjusting protrusion of guide plate.

In the ordinary operation, protrude the guide plate to the A side fully.

Loosen two M6 flat-head screws, then slide the guide plate and secure it by tightening two M6 flat-head screws firmly.

When the guide plate strikes against the obstacles like a wall or the like at the finishing of a cut, slide it at the appropriate position. (See Fig. 11)

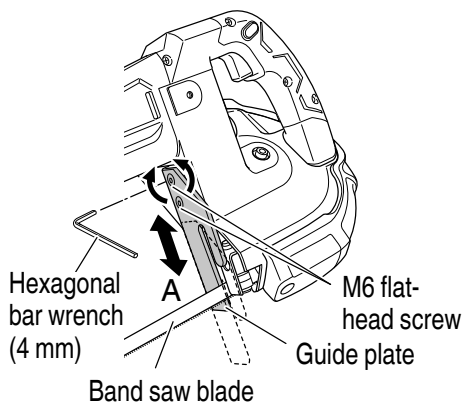


Fig. 11

5. Switch operation (Fig. 12)

Drawing the switch while pressing the switch lock to either direction indicated by arrow will revolve the band saw blade while lighting up the LED light. After the switch is activated and remains drawn, the band saw blade will continue revolving even if the Switch Lock is released.

In addition, the LED light will remain lit.

When you release the switch, the revolution of the band saw blade will stop and the LED light will automatically be extinguished in approximately 15 seconds.

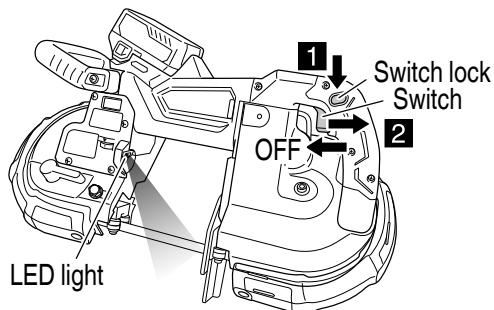


Fig. 12

English

CAUTION

Do not look directly into the light from the LED lamp. Continuous and direct exposure to the light from the LED lamp can injure your eyes.

NOTE

- Using a soft cloth, wipe off any foreign matter that has adhered to the lens of the LED light, being careful not to scratch the lens.
Scratches on the LED light may reduce the brightness of the light.
 - When cleaning the lens of the LED light, do not wipe with gasoline, paint thinner, etc.
Doing so will damage the lens.
6. Adjusting operating speed (Fig. 13)

CAUTION

Use the band saw blade circumferential speed setting dial to select the circumferential speed best suited for the workpiece.

Using a band saw blade circumferential speed unsuited to cut a workpiece will not only negatively affect cutting precision, but can also cause damage to the band saw blade.

This unit is equipped with an electronic control circuit that allows the circumferential speed of the band saw blade to be freely adjusted.

Prior to operation, use the band saw blade circumferential speed setting dial to set a mode that suits the properties, thickness and task conditions of the workpiece being cut.

- In Standard Mode, the circumferential speed of the band saw blade can be freely set from 1 to 5 on the dial.
On the dial, 1 is the lowest speed and 5 is the highest speed.
In Standard Mode, the circumferential speed that is set with the dial is maintained even when the load changes.
- In AUTO Mode ("A" on the dial), noise can be reduced and the duration of operation can be extended by lowering the circumferential speed when there is no load.
In AUTO Mode, if a load is applied during operation, the circumferential speed is automatically increased. (Equivalent of 5 on the dial)

Additionally, if the load becomes lighter after cutting is completed, the circumferential speed is automatically decreased, reducing power consumption when there is no load.

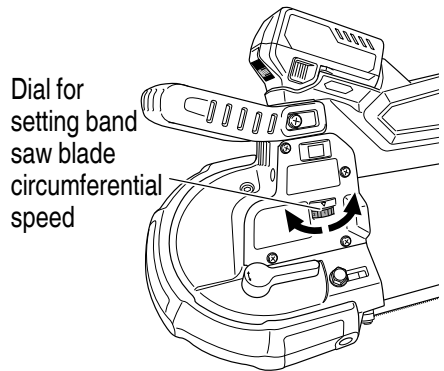


Fig. 13

Table 4 Operating Speed

Mode	Dial	Band saw blade circumferential speed (guideline)	Uses
			Bi-Metal
Standard Mode	1 ↑ Low Speed	1.0 m/s (60 m/min)	↑ Difficult-to-cut materials such as stainless steel and alloys Steel materials (Thick materials including cylindrical rods, shaped steel, and steel pipe) (Thickness of 4.6 mm or more) Steel materials (Thin materials including steel pipe) (Thickness of 4.5 mm or less) ↓
	2	1.6 m/s (93 m/min)	
	3	2.1 m/s (127 m/min)	
	4	2.7 m/s (161 m/min)	
	5 ↓ High Speed	3.2 m/s (195 m/min)	
AUTO Mode*	A	2.0 m/s (120 m/min) (Idle operation)	Steel materials (Thin materials including steel pipe) (Thickness of 4.5 mm or less)
		3.2 m/s (195 m/min) (Cutting operation)	

* Circumferential speeds may vary from those stated above depending on operating conditions.

7. Replacing the band saw blade

WARNING

- When replacing the band saw blade, be sure to switch off the power and remove the battery from the cordless tool.
- Use caution when changing or inspecting the band saw blade as it may sometimes spring out.

CAUTION

- Wear gloves when changing the band saw blade.
- The band saw blade is hot immediately after operation. Remove it only after it has cooled.
- Verify that there are no nicks, cracks, or other abnormalities on the band saw blade before installing it.
- Wipe off any oil or grime adhering to the band saw blade before installing it on the blade pulleys.
Additionally, wipe off any shavings or grime adhering to the blade pulley rubbers. If a band saw blade that has oil or grime adhering to it is installed on the blade pulleys, the band saw blade may slip or come loose.
- When installing the band saw blade, do not twist or bend its joint. Doing so may damage the band saw blade.

English

How to install

- (1) Loosen the tension lever in the direction indicated in the figure. **(Fig. 14)**
- (2) Being careful of the direction of revolution and the facing of the band saw blade (see figure), place the band saw blade in Guide roller, installing the band saw blade until it comes into contact with the Band saw blade back ball bearing support.
- (3) Holding the band saw blade in place so it doesn't come loose, seat the band saw blade in Blade pulley. **(Fig. 15)**
- (4) Holding the band saw blade in place, turn the Tension lever in the direction for tightening and secure the band saw blade. **(Fig. 16)**

At this point, make sure that the blade of the band saw blade is not protruding from the edges of Blade pulley.

At this point, rotate Blade pulley (A) in the revolving direction with your hands and make sure the band saw blade does not come loose.

- (5) See Steps (3) to (5) of "8. Inspection before operation" on page 51 when conducting a trial operation.

NOTE

Minimize warm-up cutting with the band saw blade. Warm-up cutting shortens the lifespan of the band saw blade.

How to remove (Fig. 17)

- (1) Loosen the tension lever in the direction indicated in the figure. **(Fig. 14)**
- (2) Remove the band saw blade first from pulley guard (C) (① in the figure), then from blade pulley (A) and blade pulley (B), and lastly from the guide rollers section (② in the figure) to remove it completely.

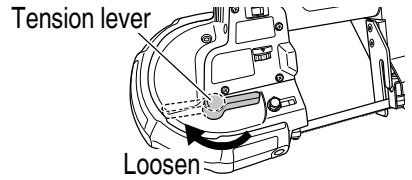


Fig. 14

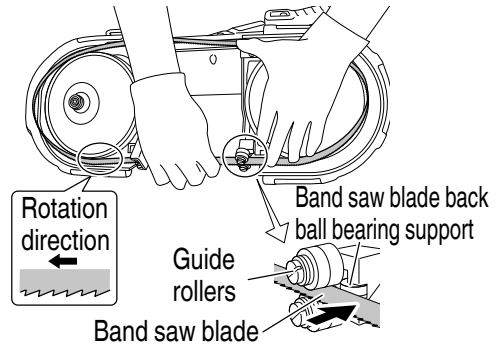


Fig. 15

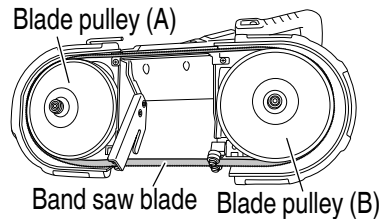


Fig. 16

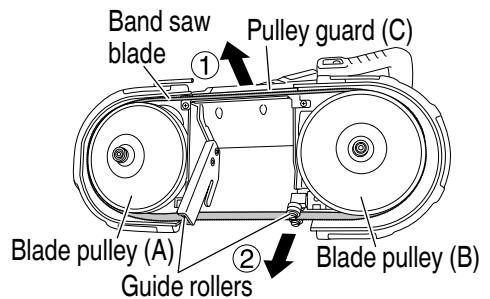


Fig. 17

8. Inspection before operation

WARNING

Check the following items before you use the unit. Before taking steps (1) and (2), you must turn off the switch and remove the battery from the main tool unit to perform inspection.

- (1) Make sure that the switch is turned off. (See “5. Switch operation” on pages 47–48.)
- (2) Before use, be sure to confirm that the band saw blade is a regular product, and free from any chipping, cracks, or deformation.
Check that the band saw blade is installed correctly.
- (3) Install the battery. (**Fig. 7 on page 43**)
- (4) Check the switch lock action. (See “5. Switch operation” on pages 47–48.)
- (5) Run the trial operation.
Ensure surrounding safety before starting operation, then idle the unit to make sure that no anomalies are found in unit body vibration and the band saw blade.
- (6) Check battery insertion.

CAUTION

- **When switching on the tool, make sure the band saw blade is not in contact with the workpiece. Failure to do so may result in injury.**
- **For cutting efficiency, switch the band saw blade speed according to operating conditions and workpiece to be cut.**
- **Do not apply any unnecessary pressure when operating the tool. Doing so may damage the band saw blade.**
- **After use, be sure not to place the tool near chips before it comes to a full stop as the tool may suck in those particles.**

OPERATION**WARNING**

During operation, do not place your face or hands near the application tool of the unit.

CAUTION

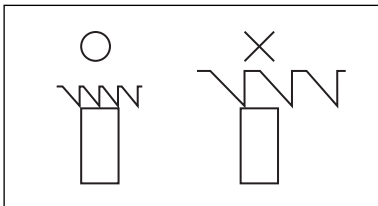
- **To extend the lifetime, the lithium-ion battery equips with the protection function to stop the output. Therefore, if the tool is overloaded, the motor may stop. However, this is not the trouble but the result of protection function. In this case, release the switch of tool and eliminate the causes of overloading.**
- **If the band saw blade is locked during cutting, immediately turn off the switch and stop operation.**
- **Hold the handle and front handle with both hands when using the unit.**
- **If the unit will not be used over a long period of time, remove the band saw blade from the unit body and store it in an appropriate place.**
If the band saw blade is left installed in the unit body for a long period, the lifespan of the band saw blade will become shorter.

English

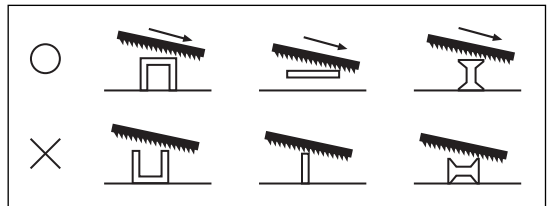
NOTE

- Select a band saw blade (the band saw blade's teeth/inch) and a band saw blade operating speed that is suitable for properties and thickness of the workpiece to be cut.
- When using a new band saw blade, be sure to set the band saw blade operating speed setting dial to "1" and perform 1-2 warm-up cuts with a light cutting load (while pulling slightly upward on the product) on an object with an outer diameter of 20 mm or less such as cylindrical rod (carbon steel).
Failure to perform warm-up cuts may result in nicks on the blade edge and decreased cutting precision.
- Do not cut thermoplastic material. It can melt from cutting friction heat which can result in the band saw blade becoming wedged in the material, causing the motor to lock up.
- Do not cut hard materials such as hardened steel.
- If there is a gap between the guide plate and the workpiece, the piece may erratically shift position and cause breakage to the band saw blade.
- Do not apply excessive loads to the band saw blade.
- When the workpiece is thin (2 mm thick or less), cut with the tool slightly raised up.
- About continuous operation
This tool is equipped with a temperature protection circuit for safeguarding the motor as well as the electronic motor drive control components.
If the tool is operated continuously, the temperature of the unit may rise and activate the temperature protection circuit, automatically stopping operation. If this happens, allow the machine to sufficiently cool.
Once the temperature has decreased, the tool is ready to be used again.
In the event the storage battery is changed during continuous operation, allow the cordless tool to rest for about 15 minutes before resuming use.
If operation is resumed soon after the battery is changed, the temperatures of the motor, switch, etc. will become high and may result in malfunction or damage.
- About holding the unit and applying force
Hold the tool securely with both hands.
When holding the unit, make sure the band saw blade is perpendicular to the workpiece.
Additionally, there is no need to push the unit with any excessive force.
Be aware that applying any excessive prying or pressing force to the tool may result in the unit's malfunction or damage.

For stable cut, always keep at least two teeth in the cut.



Select the proper cutting position for your workpiece by referring to the figure.



1. Cutting Operation
 - (1) Make sure that the switch is turned off. (See “5. Switch operation” on pages 47–48.)
 - (2) Set the saw blade circumferential speed according to the quality and thickness of the material to cut. (See “6. Adjusting operating speed” on pages 48–49.)
 - (3) Install the battery. (**Fig. 7 on page 43**)
 - (4) Press the workpiece against the guide plate (**Fig. 18**)

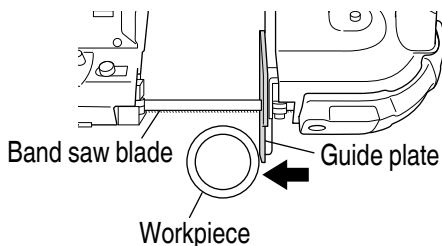


Fig. 18

- (5) Pull the switch and cut (**Fig. 19**)
 When the revolutions are stable, avoid any sudden impact to the band saw and gently bring the band saw to the workpiece to cut.
 When completing a cut, hold the tool firmly, so it will not fall against the workpiece.

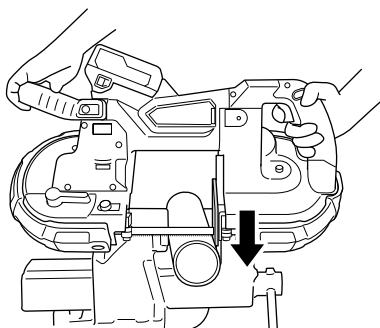


Fig. 19

2. LED light warning signals (**Fig. 20**)
 This product features functions that are designed to protect the tool itself as well as the battery. While the switch is pulled, if any of the safeguard functions are triggered during operation, the LED light will blink as described in **Table 5**. When any of the safeguard functions are triggered, immediately remove your finger from the switch and follow the instructions described under corrective action.

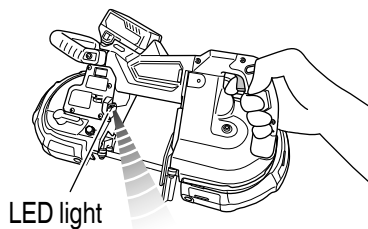


Fig. 20

Table 5

Safeguard Function	LED Light Display	Corrective Action
Overload protection	On 0.1 second/off 0.1 second 	Remove the cause of the overburdening.
Overheat protection	On 0.5 second/off 0.5 second 	Allow the tool and battery to thoroughly cool.

English

3. About Remaining Battery Indicator
 You can check the battery's remaining capacity by pressing the remaining battery indicator switch to light the indicator lamp. (**Fig. 21, Table 6**)

The indicator will shut off approximately 3 seconds after the remaining battery indicator switch is pressed.

It is best to use the remaining battery indicator as a guide since there are slight differences such as ambient temperature and the condition of the battery.

Also, the remaining battery indicator may vary from those equipped to a tool or charger.

Remaining battery indicator lamp Remaining battery indicator switch

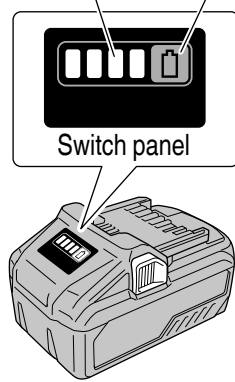


Fig. 21

Table 6

State of lamp	Battery Remaining Power
	Lights ; The battery remaining power is over 75%
	Lights ; The battery remaining power is 50%–75%.
	Lights ; The battery remaining power is 25%–50%.
	Lights ; The battery remaining power is less than 25%
	Blinks ; The battery remaining power is nearly empty. Recharge the battery soonest possible.
	Blinks ; Output suspended due to high temperature. Remove the battery from the tool and allow it to fully cool down.
	Blinks ; Output suspended due to failure or malfunction. The problem may be the battery so please contact your dealer.

As the remaining battery indicator shows somewhat differently depending on ambient temperature and battery characteristics, read it as a reference.

NOTE

Do not give a strong shock to the switch panel or break it. It may lead to a trouble.

HOW TO RECHARGE USB DEVICE

WARNING

- Prior to use, check the connecting USB cable for any defect or damage. Using a defective or damaged USB cable can cause smoke emission or ignition.
- When the product is not being used, cover the USB port with the rubber cover. Buildup of dust etc. in the USB port can cause smoke emission or ignition.

NOTE

- There may be an occasional pause during USB recharging.
- When a USB device is not being charged, remove the USB device from the charger. Failure to do so may not only reduce the battery life of a USB device, but may also result in unexpected accidents.
- It may not be possible to charge some USB devices, depending on the type of device.

- (1) Select a charging method
Depending on the charge method selected, either the battery is inserted into the charger or the power cord is plugged into an outlet.

- Charging a USB device from a electrical outlet. (Fig. 22-a)
- Charging a USB device and battery from a electrical outlet. (Fig. 22-b)

- (2) Connect the USB cable. (Fig. 23)
Pull back the rubber cover and firmly plug in a commercially available USB cable (appropriate to the device being charged) into the USB port.

- (3) When charging is completed
 - To verify charge status, check the USB device.
 - Unplug the power cord from the electrical outlet. (Fig. 24)
 - Place the rubber cover over the USB port.

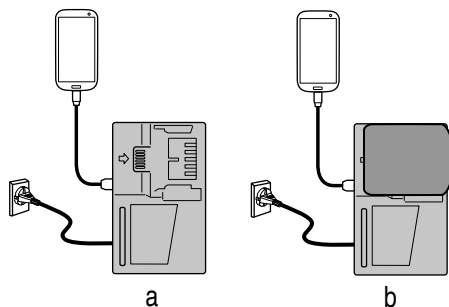


Fig. 22

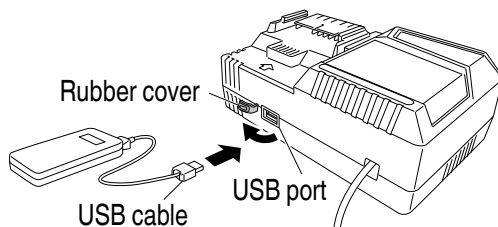


Fig. 23

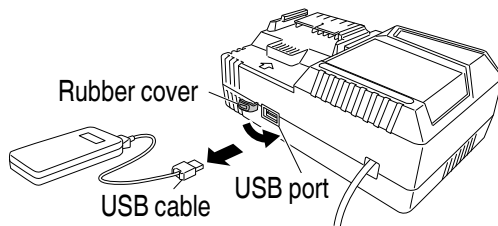


Fig. 24

MAINTENANCE AND INSPECTION

CAUTION

Be sure to turned off the switch and remove the battery before maintenance and inspection.

Be sure to wear gloves when handling the band saw blade.

1. Replacing the band saw blade (See pages 49–50)
If the band saw blade becomes dull, it can result in overburdening the motor and the various parts of the tool as well as decrease efficiency.

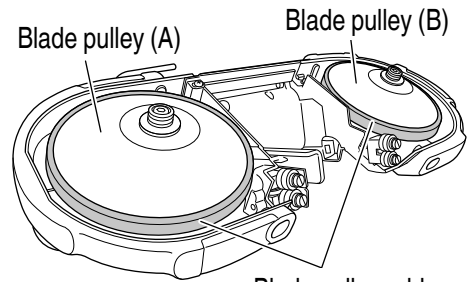
Do not delay in replacing the band saw blade.

2. Blade pulley rubbers inspection (**Fig. 25**)

The blade pulley rubbers are installed on the outer circumferences of the blade pulleys (2 places). (Fitted type)

When replacing the band saw blade, inspect the blade pulley rubbers for sagging or damage.

If there is sagging or damage, request a replacement from HiKOKI Authorized Service Center, as it may result in the band saw blade running unstable or coming loose.



Blade pulley rubber
Fig. 25

NOTE

Periodically remove any shavings, etc. that has adhered to the blade pulley rubbers. Failure to do so may result in slippage of the band saw blade and/or injury.

3. Inspection of band saw blade back ball bearing supports (**Fig. 26**)

Periodically inspect the band saw blade back ball bearing supports inside the bearing holders for wear.

If the band saw blade back ball bearing supports are worn, there will be excessive force on the band saw blade that could result in damage to the band saw blade.

If the band saw blade back ball bearing supports are worn, arrange for replacements from HiKOKI Authorized Service Center.

Band saw blade back
ball bearing support

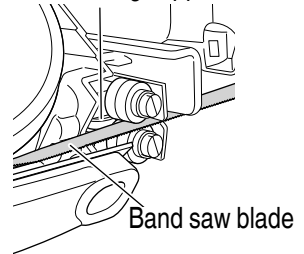


Fig. 26

4. Inspection of band saw blade guide rollers and adjustment of gaps (Fig. 27)

After continued use of the unit, the gaps between the band saw blade guide rollers may become wider. If the gaps become wider, the band saw blade may tilt, resulting in reduced cutting precision.

Periodically inspect whether the gaps between the band saw blade guide rollers are appropriate (Guide rollers are lightly touching the band saw blade), and make any adjustments if necessary.

Additionally, if the band saw blade guide rollers are damaged, arrange for replacements from HiKOKI Authorized Service Center.

① Remove the band saw blade.

(See pages 49–50 “7. Replacing the band saw blade”.)

② Use a flathead screwdriver to loosen the bearing pins.

Place the band saw blade between the guide rollers and tighten the bearing pins, adjusting as necessary to make sure that the blade is lightly in contact with the supports.

③ Install the band saw blade.

(See pages 49–50 “7. Replacing the band saw blade”.)

5. Inspecting the mounting screws

Regularly inspect all mounting screws and ensure that they are properly tightened. Should any of the screws be loose, retighten them immediately. Failure to do so could result in serious hazard.

6. Maintenance of the motor

The motor unit winding is the very “heart” of the power tool. Exercise due care to ensure the winding does not become damaged and/or wet with oil or water.

7. Check for Dust

Dust may be removed with a soft cloth or a cloth dampened with soapy water.

Do not use bleach, chlorine, gasoline or thinner, for they may damage the plastics.

Clean up any sawdust that has accumulated in pulley guards (A) and (B) on a regular basis.

8. Inspection of terminals (tool and battery)

Check to make sure that swarf and dust have not collected on the terminals.

On occasion check prior, during and after operation.

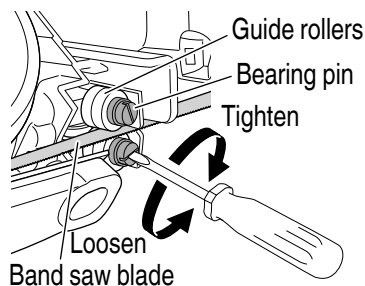


Fig. 27

CAUTION

Remove any swarf or dust which may have collected on the terminals.

Failure to do so may result in malfunction.

English

9. Disposal of the exhausted battery

WARNING

Do not dispose of the exhausted battery. The battery may explode if it is incinerated. The battery is recyclable. At the end of its useful life, under various state and local laws, it may be illegal to dispose of this battery into the municipal waste stream. Check with your local solid waste officials for details in your area for recycling options or proper disposal.

10. Storage
Storing in a place below 40°C and out of the reach of children.

NOTE

Storing Lithium-ion Batteries

Make sure the batteries have been fully charged before storing them.

Prolonged storage (3 months or more) of batteries with a low charge may result in performance deterioration, significantly reducing battery usage time or rendering the batteries incapable of holding a charge.

However, significantly reduced battery usage time may be recovered by repeatedly charging and using the batteries two to five times.

If the battery usage time is extremely short despite repeated charging and use, consider the batteries dead and purchase new batteries.

CAUTION

In the operation and maintenance of power tools, the safety regulations and standards prescribed in each country must be observed.

Important notice on the batteries for the HiKOKI cordless power tools

Please always use one of our designated genuine batteries. We cannot guarantee the safety and performance of our cordless power tool when used with batteries other than these designated by us, or when the battery is disassembled and modified (such as disassembly and replacement of cells or other internal parts).


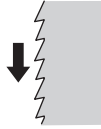
TROUBLESHOOTING

Use the inspections in the table below if the tool does not operate normally. If this does not remedy the problem, consult your dealer or the HIKOKI Authorized Service Center.

1. Power tool

Symptom	Possible cause	Remedy
The unit does not run/ is stopped	The battery capacity is depleted	Charge the storage battery.
The unit has stopped suddenly	The unit is overloaded	Get rid of the cause of the large load.
	The storage battery is overheated	Allow the storage battery to cool sufficiently.
The band saw blade has come loose	There is oil or grime adhering to the band saw blade or workpiece	Wipe off oil or grime that is adhering to the band saw blade or workpiece.
	The band saw blade is not installed correctly	Install the band saw blade correctly. (See "7. Replacing the band saw blade" on pages 49–50)
The band saw blade is becoming bound in the workpiece	A band saw blade operating speed appropriate for the workpiece is not being used	Select the correct band saw blade operating speed. (See "6. Adjusting operating speed" on pages 48–49)
Cutting precision is poor	The band saw blade is worn away	Replace the band saw blade with a new one.
	A band saw blade operating speed appropriate for the workpiece is not being used	Select the correct band saw blade operating speed. (See "6. Adjusting operating speed" on pages 48–49)
	The band saw blade is not installed correctly	Install the band saw blade correctly. (See "7. Replacing the band saw blade" on pages 49–50)
	The gaps between the band saw blade ball bearing supports have become wide	Correctly adjust the gaps. (See "4. Inspection of band saw blade guide rollers and adjustment of gaps" on page 57)
	A band saw blade that is not authorized by the manufacturer is being used	Use a band saw blade that is authorized by the manufacturer.

English

Symptom	Possible cause	Remedy
Cutting precision is poor	Sufficient warm-up cuts have not been performed	With the band saw blade operating speed setting dial set to "1", perform 1 or 2 warm-up cuts with a light cutting load such as a cylindrical rod (carbon steel, etc.) with an outer diameter of 3/4" or less.
Cutting takes a long time	The band saw blade is facing the wrong direction Direction of rotation 	Install the band saw blade correctly. (See "7. Replacing the band saw blade" on pages 49–50) Direction of rotation 
	The band saw blade operating speed is not appropriate for the workpiece	Select the correct band saw blade operating speed. (See "6. Adjusting operating speed" on pages 48–49)
	The band saw blade is worn away	Replace the band saw blade.
	The remaining battery supply is low	Charge the storage battery.
There are large vibrations during cutting	The band saw blade edge is chipped	Replace the band saw blade.
	The band saw blade operating speed is not appropriate for the workpiece	Select the correct band saw blade operating speed. (See "6. Adjusting operating speed" on pages 48–49)
The blade edge frequently becomes chipped	The unit is being pressed too hard during cutting	Cut using the unit's own weight or while pressing gently.
	The band saw blade has impacted against the workpiece	Bring the band saw blade near the workpiece slowly and gently begin cutting.
	The workpiece has moved during cutting	Fasten the workpiece firmly with a vice, etc.
	The band saw blade operating speed is not appropriate for the workpiece	Select the correct band saw blade operating speed. (See "6. Adjusting operating speed" on pages 48–49)

Symptom	Possible cause	Remedy
Battery cannot be installed	Attempting to install a battery other than that specified for the tool.	Please install a multi volt type battery.

2. Charger

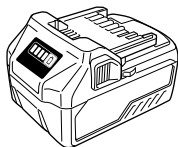
Symptom	Possible cause	Remedy
The charge indicator lamp rapidly flickers purple, and battery charging doesn't begin.	The battery is not inserted all the way.	Insert the battery firmly.
	There is foreign matter in the battery terminal or where the battery is attached.	Remove the foreign matter.
The charge indicator lamp blinks red, and battery charging doesn't begin.	The battery is not inserted all the way.	Insert the battery firmly.
	The battery is overheated.	If left alone, the battery will automatically begin charging if its temperature decreases, but this may reduce battery life. It is recommended that the battery be cooled in a well-ventilated location away from direct sunlight before charging it.
Battery usage time is short even though the battery is fully charged.	The battery's life is depleted.	Replace the battery with a new one.
The battery takes a long time to charge.	The temperature of the battery, the charger, or the surrounding environment is extremely low.	Charge the battery indoors or in another warmer environment.
	The charger's vents are blocked, causing its internal components to overheat.	Avoid blocking the vents.
	The cooling fan is not running.	Contact a HiKOKI Authorized Service Center for repairs.
The USB power lamp has switched off and the USB device has stopped charging.	The battery's capacity has become low.	Replace the battery with one that has capacity remaining.
		Plug the charger's power plug into an electric socket.

English

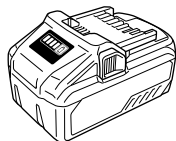
Symptom	Possible cause	Remedy
USB power lamp does not switch off even though the USB device has finished charging.	The USB power lamp lights up green to indicate that USB charging is possible.	This is not a malfunction.
It is unclear what the charging status of a USB device is, or whether its charging is complete.	The USB power lamp does not switch off even when charging is complete.	Examine the USB device that is charging to confirm its charging status.
Charging of a USB device pauses midway.	The charger was plugged into an electrical socket while the USB device was being charged using the battery as the power source.	This is not a malfunction. The charger pauses USB charging for about 5 seconds when it is differentiating between power sources.
	A battery was inserted into the charger while the USB device was being charged using a power socket as the power source.	
Charging of the USB device pauses midway when the battery and the USB device are being charged at the same time.	The battery has become fully charged.	This is not a malfunction. The charger pauses USB charging for about 5 seconds while it checks whether the battery has successfully completed charging.
Charging of the USB device doesn't start when the battery and the USB device are being charged at the same time.	The remaining battery capacity is extremely low.	This is not a malfunction. When the battery capacity reaches a certain level, USB charging automatically begins.

SELECTING ACCESSORIES

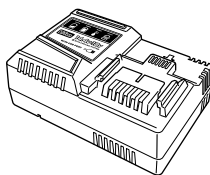
For details contact HiKOKI Authorized Service Center.



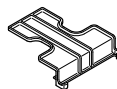
BSL36A18



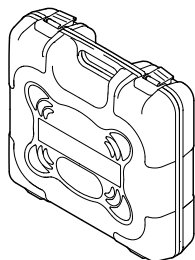
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UC18YSL3 (14.4 V-18 V)



329897



Part Number: 376268

Plastic Case

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