



BN Products-USA™

A DIVISION OF BENNER-NAWMAN, INC.

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DCC-1636BHL | DCC-2036BHL

Cordless Rebar Cutters

Customer Service (800) 992-3833

DCC-SERIES

CORDLESS ELECTRIC/HYDRAULIC REBAR CUTTERS



DCC-2036BHL

Shear for #6 (20mm - 3/4" diameter) Grade 60 Rebar



DCC-1636BHL

Shear for #5 (16mm - 5/8" diameter) Grade 60 Rebar

**IMPORTANT: READ THESE INSTRUCTIONS CAREFULLY
BEFORE ATTEMPTING TO USE THIS CORDELSS REBAR CUTTER**

BN Products-USA™

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**OPERATOR
MANUAL**

DCC-1636BHL | DCC-2036BHL

OPERATOR MANUAL

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WARNING

TO AVOID SEVERE PERSONAL INJURY OR PROPERTY DAMAGE, READ THESE INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING TO USE THE THE DCC-SERIES CORDLESS REBAR SHEARS. Ignorance of proper operating procedures can lead to accidents.

Contact BN Products-USA™ Customer Service at (800) 992-3833 if you have questions regarding usage of these tools.

This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov.

TOOLS ARE FOR PROFESSIONAL USE

Specifications are subject to change without prior notice.

WARNING: UNDERSTAND ALL INSTRUCTIONS

Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term “power tool” in all of the warnings listed below refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

WORK AREA SAFETY

Keep work area clean and well lit. Cluttered or dark areas invite accidents.

Do not operate power tools in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.

Keep children and bystanders away while operating a power tool; avoid distractions while operating any power tool.

ELECTRICAL SAFETY

Power tool plugs (including battery chargers) 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.

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.

Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

BATTERY OPERATION:

The DCC-1636BHL/DCC-2036BHL cordless rebar cutting tools utilize the Metabo HPT MultiVolt 36V/18V system, which is designed for high-performance versatility, allowing one battery to power both 36V and 18V tools. Below are the key operating instructions for the batteries and chargers based on official manufacturer documentation. This manual provides essential information for the safe and effective use of your Metabo HPT 36V/18V MultiVolt Battery. Retain this manual for future reference.

Battery Features

- Automatic Voltage Switching: The MultiVolt battery automatically detects whether it is plugged into a 36V or 18V tool and adjusts its power output accordingly.
- Fuel Gauge: Most models feature a 4-stage fuel gauge on the face of the battery. Press the indicator button to check the current charge level.
- Protection Circuit: The battery has a built-in "Multiplex Protection Circuit" that communicates with the tool and charger to prevent overloading, over-charging, and over-discharging.
- Runtime Performance: When used with 36V tools, it typically provides 2.5Ah or 4.0Ah of runtime; when used with 18V tools, this increases to 5.0Ah or 8.0Ah, respectively.
- Battery and charger are designed to charge and operate **ONLY** between 32° and 104° F

Charging Instructions (Charger Model #UC18YSL3)

- Insertion: Slide the battery into the charger until it clicks into place. Ensure the charger is plugged into a standard 120V AC outlet.
- The battery features a 4-stage fuel gauge to indicate the remaining charge. Press the button on the battery to activate the LED indicators. Indicator Light Guide:
 - Flashing Blue: Charging is in progress.
 - Solid Green: Charging is complete.
 - Red/Purple: Typically indicates a temperature delay or a faulty battery/charger connection.
- **USB Charging:** Many MultiVolt chargers (like the UC18YSL3) include a USB port to charge mobile devices while the main battery is charging.
- Charge Time: A 36V/18V battery (4.0Ah/8.0Ah) typically reaches a full charge in approximately 40 to 52 minutes using a rapid charger. A 6-second alarm sounds to indicate a complete charge.

Safety & Maintenance

- Cleanliness: Always confirm that the power tool and battery terminals are clean before use.
- Storage: Store batteries in a cool, dry place. Avoid leaving them in direct sunlight or in a discharged state for extended periods.
- Do not disassemble, open, or shred battery packs.
- Do not short-circuit a battery pack. Do not store battery packs haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by conductive materials.
- Do not expose battery packs to heat or fire. Avoid storage in direct sunlight.
- Do not subject battery packs to mechanical shock.
- In the event of battery leakage, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
- Keep battery packs clean and dry, keep out of the reach of children.
- Recharge only with the charger specified by the manufacturer. Using a charger unsuitable for the battery pack may create a risk of fire.
- Do not use any battery pack that is not designed for use with the equipment.

BATTERY OPERATING INSTRUCTIONS - POWERING YOUR TOOL

Attaching Battery to Tool

- Ensure the tool is switched off and disconnected from any power source if applicable.
- Align the battery with the battery port on the compatible Metabo HPT 18V or 36V tool.
- Slide the battery firmly into place until it clicks, indicating it is securely locked.
- The MultiVolt battery automatically adjusts its voltage output (18V or 36V) based on the tool it is connected to. This allows for seamless operation across your Metabo HPT cordless tool range.

Detaching the Battery from a Tool

- Ensure the tool is switched off.
- Press the battery release button(s) on the tool.
- Slide the battery out of the tool's battery port.

Charger Specifications	
Charger	Metabo HPT UC18YSL3
Input	Single Phase AC 120 60Hz
Output	DC 14.4V - 18V
USB Terminal	5V @ 2.0A
Charge Time	52 minutes
Battery Specifications	
Manufacturer/#	Metabo HPT BSL36B18 (372121M)
Type	Lithium-Ion
Voltage	36V / 18V (Automatic Switch)
Amperage	4.0Ah/8.0Ah (Automatic Switch)
Output	1,440W



Metabo HPT UC18YSL3 Charger

Metabo HPT BSL36B18 Battery

This battery exceeds 100Wh and is a fully regulated Dangerous Goods Item UN3480

TROUBLESHOOTING

Problem	Possible Cause	Solution
Battery not charging	Charger not plugged in; faulty charger; battery too hot/cold; damaged battery.	Check charger connection; try a different outlet; allow battery to reach room temperature; inspect battery for damage. If damaged, do not use.
Tool not operating with battery	Battery not fully charged; battery not properly seated; tool malfunction; incompatible tool.	Charge battery fully; ensure battery is securely clicked into place; test with another battery (if available); confirm tool is Metabo HPT 18V or 36V compatible.
Reduced runtime	Battery not fully charged; battery nearing end of life; extreme operating conditions.	Ensure battery is fully charged before use; consider replacing battery if performance significantly degrades; avoid operating in extreme temperatures.

GENERAL SAFETY PRECAUTIONS

This tool is designed for a maximum capacity Grade 60 steel reinforcing bars only. These tools are not to be used in cutting other kinds of metal or materials. Do not cut ungraded rebar.

IMPORTANT:

Do not attempt to cut rebar by locking the off/on switch to the on position. Always pull the on/off switch by hand for each individual cut.

RESTRICT USE TO DESIGNATED MATERIALS

There is always a chance that the cut end may shoot out, especially if less than 30cm (1 foot) in length. Exceeding designated material specifications greatly increases this risk and will also damage the tool. Do not attempt to cut rebars harder, thicker or thinner than specified.

USE EYE PROTECTION

Always wear safety glasses preferably with side shields or a face shield when using this cutter.

PROVIDE SAFETY BARRIERS

Use a safety shield or barrier to protect coworkers from possible flying ends. Place a safety shield under the rebar when working in high places.

EXERCISE PROPER CONTROL

Hold cutter firmly and maintain proper footing and balance. Do not overreach. When working in a high place, secure cutter to scaffolding with a safety rope. Check that all wrenches have been removed before using cutter.

GUARD AGAINST ELECTRIC SHOCK

To avoid possible shock, do not handle cutter with wet hands or use cutter in the rain or damp places.

MAINTAIN CUTTER GOOD CONDITION

Inspect cutter before each application. Faulty or loose cutter blocks could result in personal injury. Keep handle dry, clean and free from oil and/or grease. Keep housing and piston free of dirt and iron filings. Check that no screws or bolts are loose or missing. It is a good idea to inspect the housing for any cracks before operating.

DO NOT EXCEED MAXIMUM CUTTING PRESSURE BY ADDING TO OR MODIFYING THE HYDRAULIC PUMP

BLEEDING YOUR PORTABLE REBAR CUTTER

You may have to bleed the hydraulics on your cutter if the tool runs unusually slow or doesn't have the pressure to cut normally. Do not run tool with low or no oil. For best results please follow these directions:

1. If piston is still moving, run the tool for 2 minutes to warm the oil inside. If the piston is not moving, add oil before warming up for 2 minutes.
2. When the oil is warm, run the piston out just before it returns and stop.
3. Remove the oil plug and top it off with oil.
4. Make a seal with your thumb over the oil plug opening.
5. Run the tool so that it makes a complete cycle.
6. When the piston is completely retracted in the open position, gently roll your thumb to let the unwanted air escape.
7. Repeat step #5 and #6 at least three times.
8. Add oil only when the piston is at least halfway out.
9. If you have to add additional oil, repeat #5 and #6.
10. Replace the oil plug and tighten it.
11. Make three or four cuts with rebar. The machine should now be working properly. Make sure that you observe exactly at what point the rebar is actually breaking.
12. Pinch a piece of rebar stopping just before it actually breaks.
13. Remove the oil plug again and top off the reserve one more time.
14. Replace the oil plug and tighten
15. The operation is now complete.

We recommend the following; 20-wieght Non-Detergent Hydraulic Oils for use with our tools (anti-foam anti-abrasion): Tellus 68 (Shell), Rando HD 68 (Texaco) or Chevron AW 68 (Chevron). Hydraulic oil can also be ordered in quart containers from your Diamond Tool Distributor.

OPERATING INSTRUCTIONS

PRE-USE CHECKS

1. Check oil level. (See Maintenance)
2. Check condition of cutter blocks and tightness of cutter block bolts. (See Maintenance) - CHECK FOR CRACKS IN HOUSING
CAUTION: Using loose or cracked cutter blocks may result in injury to operator as well as damage to the tool.
3. Check that battery is properly inserted and secured.

WARM-UP

In cold weather you should warm up the tool unit for 30-60 seconds so that the hydraulic oil reaches the proper viscosity. Pull trigger-switch to extend piston and release when it has reached its full stroke. Repeat 15-20 times.

STOPPER BOLT ADJUSTMENT

THE STOPPER BOLT IS A CRITICAL PART OF YOUR REBAR CUTTER

The adjustable stopper functions to maintain the rebar in the correct position during cutting and must be properly set for each size of rebar before use.

1. Screw in stopper to provide sufficient clearance for rebar.
2. Insert rebar fully into U-shaped support. Make sure that rebar is resting on the base of the support.
3. Keeping rebar at right angles (90 degrees) to front cutter block, screw out stopper until it is just touching the rebar. Once set, the stopper needs no further adjustment while cutting rebar of the same diameter, but must be reset for a different size rebar.
CAUTION: Failure to correctly set the stopper bolt will result in excessive wear of cutter blocks and may cause cut end to fly out. This will also lead to piston and cylinder damage.

CUTTING

1. Insert rebar between stopper and front cutter block, making sure that it is properly seated in U-shaped support.
2. Pull trigger-switch and keep depressed while piston advances and rebar is cut. (If switch is released at an intermediate point, piston will stop.)
3. When cut is completed, release switch. Piston retracts automatically (Note that switch cannot be reactivated until piston has fully retracted.)

LED LIGHT FUNCTION

The tool LED light automatically turns on while the switch is pulled. Release your finger from the switch, and about 10 seconds later, the LED light will turn off automatically. The LED light also has the function of emitting a warning signal during use.

* Wipe off the dust on the lens with a soft cloth

to prevent it from being scratched.

LED WARNING SIGNALS

This product has a function to protect the tool and the storage battery, when the protection function is activated, while the switch is pulled, the LED light will turn on. When the protective function is activated (flashing light), immediately remove your finger from the switch and follow the action.

ABOUT RFC

This product includes RFC (Reactive Filter) that reduces the phenomenon of the tool body shaking during work. When a load is applied suddenly and the rotation speed of the motor drops rapidly, the tool body shakes. The output is stopped before it is turned off, reducing the load on the operator.

ABOUT TEMPERATURE PROTECTION

This product protects the motor and electronic components that control the drive of the motor. Therefore, a temperature protection circuit is installed. When continuous work is performed, the temperature of the main body rises, so the temperature protection circuit operates and automatically stops. In that case, cool the main body sufficiently before using the cutter. When working continuously, replace the storage battery and perform tool cooling every 100 times of continuous cutting. Please rest your tool for about 15 minutes before using.

*During operation, do not touch the metal parts of the pump case.

IMPORTANT AREAS OF ATTENTION

1. Be especially careful when cutting off short lengths (30cm/12" or less) as the cut end tends to fly out.
CAUTION: Flying ends are a hazard to all personnel in the vicinity. Erect safety screens.
2. Do not cover air vents or operate the tool on dirt – use a plywood base under the rebar cutter to keep armature and fan clean
3. If hydraulic oil exceeds 70 degrees C (158 degrees F) in temperature, power will drop. Allow unit to cool before resuming operation. (Be particularly careful in summer, when the aluminum pump case heats up quicker.)

4. If piston should ever fail to retract completely, push rear cutter block backwards to manually retract piston or check under piston to remove and debris keeping the piston from retracting.
CAUTION: Use a rebar or flat metal bar for this purpose. Never push cutter block with any part of the hand, even if gloved.

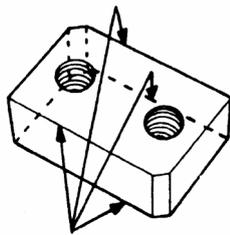
NOTE: Rebar cutters manufactured in after 2007 have a safety release valve for retracting the piston if it doesn't return to the start position. This is usually caused by cutting improperly seated rebar that becomes jammed between the cutting blocks. On these newer models simply rotate the Allen set screw a quarter turn to retract the piston.

Once piston has been retracted, pull trigger-switch long enough to partially advance piston. Unplug unit. Check piston and housing for accumulated dirt and iron filings that may be jamming the piston. (See Maintenance) If, after cleaning, piston still does not automatically retract when fully extended, the piston itself may be damaged. Contact BN Products-USA™ for assistance.

MAINTENANCE: CUTTER BLOCKS

Before using, always check that the two bolts on each cutter block are properly tightened. Using a loose block will result in damage to block and housing. Also check condition of cutter blocks. If either cutting edge is dull or chipped, remove retaining bolts and rotate both blocks so that two new edges come into use. Replace and tighten bolts. (Each block has four cutting edges.) When all four cutting edges have been used or if either block is cracked or otherwise damaged, replace both blocks.

CAUTION: A loose or cracked block may result in injury to operator.



Cutting Block Cutting Edges

CLEANING

Clean your tool every day, preferably immediately after use.

CAUTION: Wear gloves to protect hands from metal splinters.

Do not use an air gun: blasting with air can cause metal filings and/or dust to get into eyes and respiratory system.

Disconnect the unit. Wipe or brush away all dirt and metal filings. Pay particular attention to the lower half of the piston, where dirt is more easily accumulated.

NEVER USE YOUR CUTTER TO CUT REBAR IN WET CONCRETE

OIL-LEVEL CHECK

As the cutters are hydraulically operated, the oil-level must be checked at frequent intervals, preferably every day. Failure to maintain the oil at the proper level results in a drop in pressure and loss of cutting power.

CAUTION: Hydraulic oil is highly flammable. Keep away from sparks and open flames. Do not smoke.

CAUTION: Hydraulic oil may cause inflammation of the eyes and skin. If ingested, it will cause diarrhea and vomiting. In case of eye contact, rinse in clean water for at least 15 minutes and consult a physician. In case of skin contact, wash thoroughly with soap and water. In case of ingestion, consult a physician immediately. Do not induce vomiting.

1. Oil should be warm but not hot. Warm up unit if cold.
2. Adjust stopper and make three or four cuts, noting exactly at what point the rebar is actually breaking.
3. Pinch a short piece of rebar, stopping just before it breaks off. Unplug unit from power source.
4. With partially severed rebar in place, oil-plug should be straight up. (If unit is hot, allow cooling down.)
5. Remove oil-plug and seal-washer (packing). **CAUTION:** Never remove oil-plug when unit is hot or oil will spurt out.
6. Check that oil is level with bottom of plug hole (i.e. that pump case is full to the brim). If oil level is too low, top up with 20-weight hydraulic oil with anti-foam and anti-abrasion properties (ISO viscosity grade VG46, e.g. Shell oil Tellus 68, Mobil oil DTE-25 or Esso Uni power SQ46).

7. After topping off, extract air from system. Gently tilt cutter lengthwise and return it to a level position. Top off again and tilt in the opposite direction. Repeat this process until all air has been extracted.
CARE: Cutter cannot function properly if oil contains air bubbles.
8. Replace seal washer (packing) and oil plug. Connect cutter to power source and completely sever rebar.

OIL CHANGE

The hydraulic oil should be changed at least once a year, sooner if it appears dirty. NOTE: Hydraulic oil should be warm before draining

1. Remove battery from the unit. Remove oil-plug and packing. Turn cutter over and drain oil into a suitable receptacle. When oil ceases to drain out, tilt unit to rear so that oil trapped in the piston housing can run out. When housing is empty, tilt unit in the opposite direction to empty the residue in the pump case.
2. With drain-hole uppermost, slowly fill the unit with fresh oil. Replace plug and lightly tighten. Connect unit to power source and advance piston two or three times. Unplug unit and remove oil-plug. Top off oil-level and replace plug.
3. Finally, follow procedure for oil-level check. (Steps 2-8)

NOTE: Dispose of hydraulic oil in accordance with local regulations. Do not pour into the sea, a river, a lake or drains.

BOLT TIGHTNESS

Once a week, or after every 500 cuts, check the tightness of all bolts; especially those bolts securing the housing to the cylinder. Loose bolts will result in a loss of power. Make sure that the bolts holding both cutter blocks are also tight

SCHEDULED SERVICE

Recommended: Return the unit to an authorized agent for service and preventative maintenance at least once every two years.

Contact BN Customer Service at (800) 992-3833

POWER TOOL USE AND CARE

Do not use this tool for materials larger than its capacity. Use the correct power tool for your application.

Do not attempt to use the power tool if the switch does not turn it on and off. Ensure that all electrical components are functioning properly, and have the tool repaired immediately when necessary.

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 preventative safety measures reduce the risk of starting the power tool accidentally.

Store idle tools out of the reach of children and do not allow persons unfamiliar with the power tools or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.

Maintain tools at all times. Check for misalignment or binding or moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.

Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, 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 unexpected hazards

SERVICE NOTE

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.

For a Service Repair Center nearest you please call (800) 992-3833

DCC Series Cordless Rebar Cutting Tools: Specifications

Type	DCC-1636BHL	DCC-2036BHL
Cutting Capacity	#5, 5/8" (16mm) Grade 60 or less	#6, 3/4" (20mm) Grade 60 or less
Minimum Cut Diameter	.157" (4mm)	
Cutting Speed	2 seconds / 500 cuts per charge	4.2 seconds / 320 cuts per charge
Power Source	Battery Powered 36V Battery: Metabo HPT BSL36B18: DC36V-4.0Ah / 18V-8.0Ah (Lithium Ion) <ul style="list-style-type: none"> • Charger: Metabo HPT UC18YSL3 14.4-18V Rapid Charger • Charging time: 64 min (BSL36B18, when using UC18YSL3) 	
Power	36V DC	36V DC
Dimensions	(L) 13.4" (340mm) x (W) 3.5" (88mm) x (H) 10.3" (262mm)	(L) 15.3" (387mm) x (W) 4.1" (103mm) x (H) 10.8" (274mm)
Weight	12.5 lbs. (5.65 kg) (with BSL36B18)	20.5 lbs. (9.3 kg) (with BSL36B18)
Standard accessory tool set	Hex wrench 4, 6 mm Oil (1 bottle hydraulic oil 70cc) Side Handle Plastic Storage Case Charger (UC18YSL3) Battery (BSL36B18)	



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