DEWALT®

XR LI-ION

DCH243
DCH253
DCH254
DCH273
DCH274
DCH283

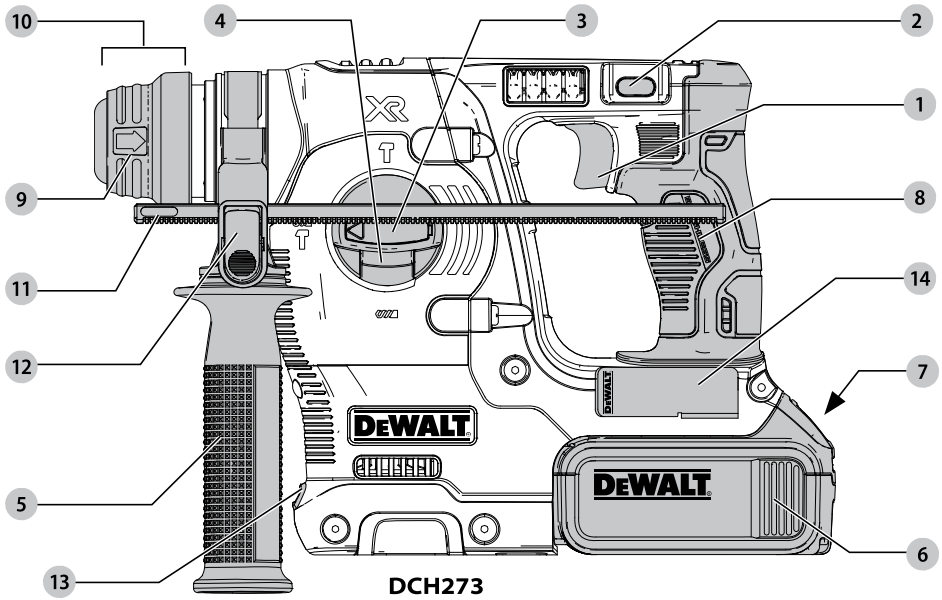
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Final page size: A5 (148mm x 210mm)

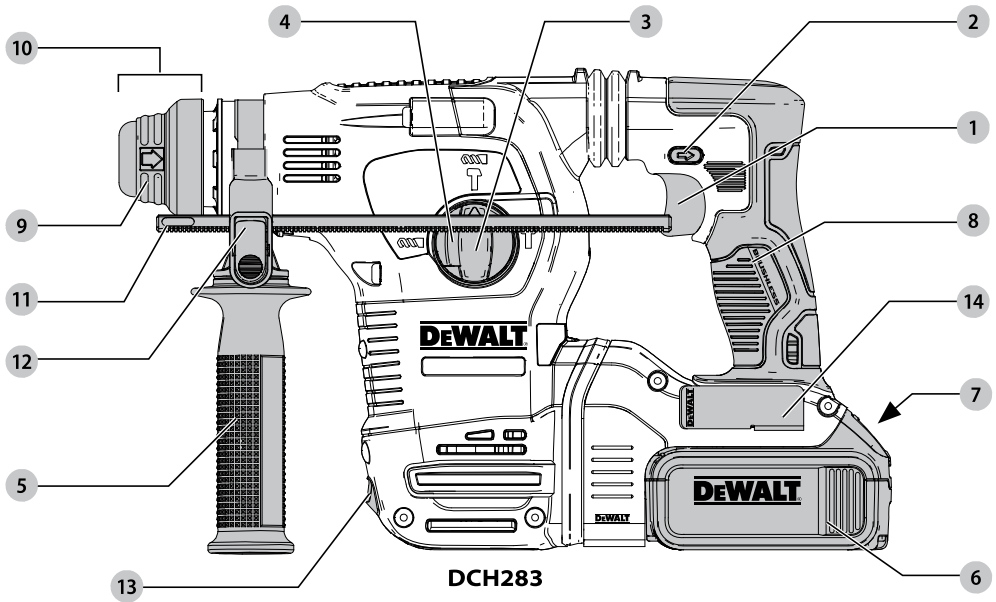
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Fig. A



DCH273



DCH283

Fig. B

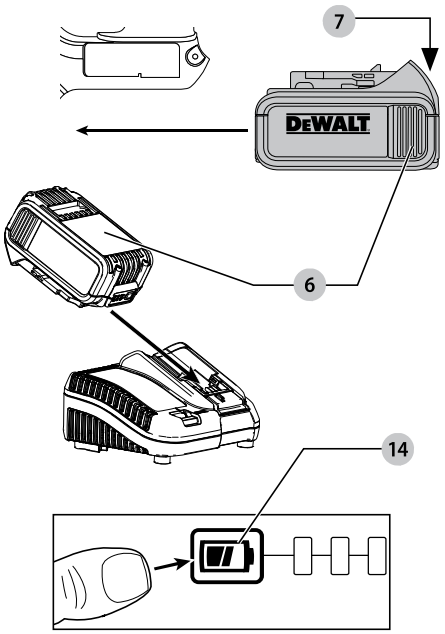


Fig. C

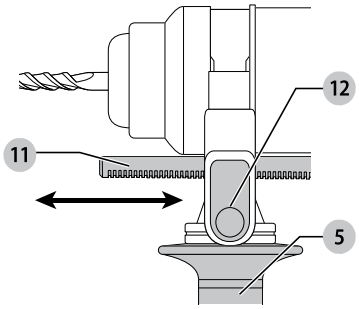


Fig. D

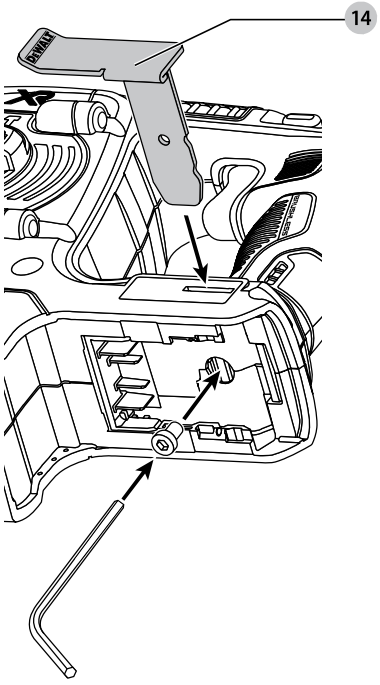


Fig. E

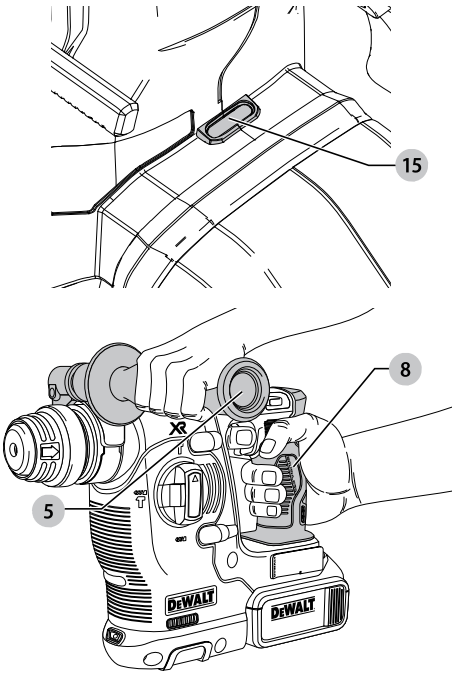


Fig. F

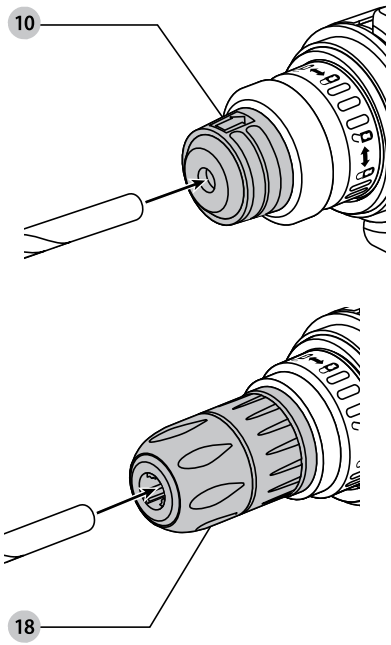


Fig. G

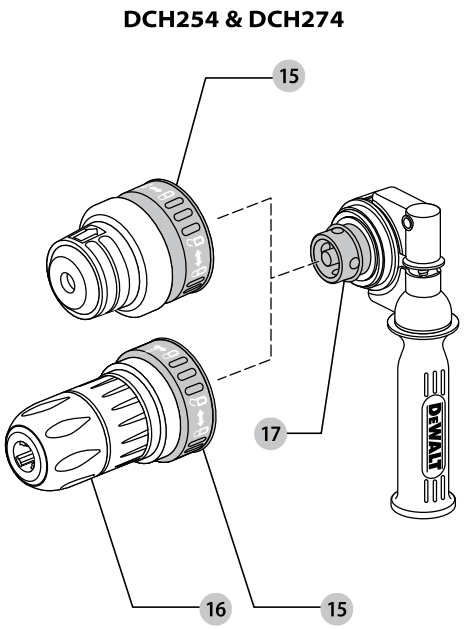
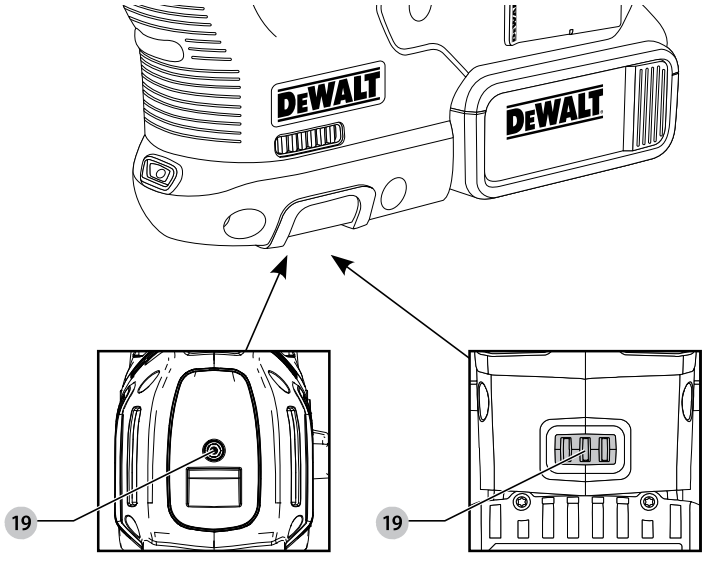


Fig. H



SVÆR ROTERENDE BOREHAMMER UDEN LEDNING DCH243, DCH253, DCH254, DCH273, DCH274, DCH283

Tillykke!

Du har valgt et DEWALT-værktøj. Mange års erfaring, ihærdig produktudvikling og innovation gør DEWALT én af de mest pålidelige partnere for professionelle brugere af elværktøj.

Tekniske Data

		DCH243	DCH253	DCH254	DCH273	DCH274	DCH283
Spænding	V_{DC}	18	18	18	18	18	18
Type		1/2	1/2	1	1/2	1	1
Hastighed ved ingen belastning	min^{-1}	0-1150	0-1200	0-1200	0-1100	0-1100	0-980
Påvirkningshastighed ved ingen belastning	spm	0-4400	0-4500	0-4500	0-4600	0-4600	0-4480
Enkelt slagsenergi (EPTA 05/2009)	J	2,1	2,1	2,1	2,1	2,1	2,8
Maksimal boringsområde i stål/træ/beton	mm	13/26/20	13/26/24	13/26/24	13/26/24	13/26/24	13/30/26
Patron		SDS Plus	SDS Plus	SDS Plus	SDS Plus	SDS Plus	SDS Plus
Kravediameter	mm	54	54	54	54	54	54
Batteritype		Li-Ion	Li-Ion	Li-Ion	Li-Ion	Li-Ion	Li-Ion
Vægt (uden batteripakke)	kg	2,4	2,5	2,7	2,5	2,7	3,6
Støjværdier og/eller vibrationsværdier (triax vector sum) i henhold til EN60745-2-6:							
L_{PA} (emissions lydtryksniveau)	dB(A)	86	86	86	86	86	94
L_{WA} (lydtryksniveau)	dB(A)	97	97	97	97	97	105
K (usikkerhed for det angivne lydniveau)	dB(A)	3	3	3	3	3	3
Boring i beton							
Vibrationsemissionsværdi $a_{h, HD}$ =	m/s^2	7,4	6,6	6,6	6,6	6,6	8,5
Usikkerhed K =	m/s^2	1,5	1,5	1,5	1,5	1,5	1,5
Mejsling							
Vibrationsemissionsværdi $a_{h,cheq}$ =	m/s^2	6,0	5,4	5,4	5,4	5,4	8,5
Usikkerhed K =	m/s^2	1,5	1,5	1,5	1,5	1,5	1,5
Boring i metal							
Vibrationsemissionsværdi $a_{h,D}$ =	m/s^2	≤ 2,5	≤ 2,5	≤ 2,5	≤ 2,5	≤ 2,5	≤ 2,5
Usikkerhed K =	m/s^2	1,5	1,5	1,5	1,5	1,5	1,5
Skruning							
Vibrationsemissionsværdi a_h =	m/s^2	≤ 2,5	≤ 2,5	≤ 2,5	≤ 2,5	≤ 2,5	≤ 2,5
Usikkerhed K =	m/s^2	1,5	1,5	1,5	1,5	1,5	1,5

Vibrations- og/eller støjemissionsniveauet, der er angivet i dette vejledningsark, er målt i overensstemmelse med en standardiseret test, der er angivet i EN62841 og kan anvendes til at sammenligne et værktøj med et andet. Det kan anvendes til en foreløbig eksponeringsvurdering.

ADVARSEL: *Det angivne vibrations- og/eller støjemissionsniveau repræsenterer værktøjets hovedanvendelsesområder. Hvis værktøjet anvendes til andre formål, med andet tilbehør eller vedligeholdes dårligt, kan vibrations- og/eller støjemissionen imidlertid variere. Det kan markant forøge eksponeringsniveauet over den samlede arbejdsperiode.*

Et estimat af eksponeringsniveauet for vibration og/eller støj bør også tage højde for de gange, hvor der slukkes for værktøjet, eller når det kører, men ikke bruges til arbejde. Det kan markant mindske eksponeringsniveauet over den samlede arbejdsperiode.

Identificér yderligere sikkerhedsforanstaltninger for at beskytte operatøren mod vibrationens og/eller støjens effekter, som f.eks.: vedligehold værktøjet og tilbehør, hold hænderne varme (relevant ved vibration), organisering af arbejdsmønstre.

Schmierung

Ihr Elektrogerät benötigt keine zusätzliche Schmierung.

Reinigung

WARNUNG: *Blasen Sie mit Trockenluft immer dann Schmutz und Staub aus dem Hauptgehäuse, wenn sich Schmutz sichtbar in und um die Lüftungsschlitze ansammelt. Tragen Sie bei diesen Arbeiten zugelassenen Augenschutz und eine zugelassene Staubmaske.*

WARNUNG: *Verwenden Sie niemals Lösungsmittel oder andere scharfe Chemikalien für die Reinigung der nicht-metallischen Teile des Gerätes. Diese Chemikalien können das in diesen Teilen verwendete Material aufweichen. Verwenden Sie ein nur mit Wasser und einer milden Seife befeuchtetes Tuch. Achten Sie darauf, dass niemals Flüssigkeiten in das Gerät eindringen. Tauchen Sie niemals irgendein Teil des Gerätes in eine Flüssigkeit.*

Optionales Zubehör

WARNUNG: *Da Zubehör, das nicht von DEWALT angeboten wird, nicht mit diesem Produkt geprüft worden ist, kann die Verwendung von solchem Zubehör an diesem Gerät gefährlich sein. Um das Verletzungsrisiko zu mindern, sollte mit diesem Produkt nur von DEWALT empfohlenes Zubehör verwendet werden.*

Als Option sind verschiedene Arten von SDS Plus Bohrern und Meißeln erhältlich. Die verwendeten Zubehör- und Anbauteile müssen im SDS Plus-Verbindungsbereich regelmäßig geschmiert werden.

Staubabsaugsystem (Abb. H)

Für einige kompatible Bohrhämmer ist ein dediziertes integriertes Staubabsaugsystem verfügbar und kann separat erworben werden.

DCH273, DCH274

Die Staubabsaugung wird durch eine elektrische Verbindung **19** mit einem kompatiblen Bohrhammer angetrieben.

DCH283

Die Staubabsaugung wird durch eine mechanische Verbindung **19** mit einem kompatiblen Bohrhammer angetrieben.

Fragen Sie Ihren Händler nach weiteren Informationen zur Kompatibilität von geeignetem Zubehör..

Umweltschutz

Separate Sammlung. Produkte und Batterien, die mit diesem Symbol gekennzeichnet sind, dürfen nicht im normalen Hausmüll entsorgt werden. Produkte und Batterien enthalten Materialien, die zurückgewonnen oder recycelt werden können, um den Bedarf an Rohstoffen zu reduzieren. Bitte recyceln Sie elektrische Produkte und Batterien gemäß den lokalen Bestimmungen. Weitere Informationen erhalten Sie unter **www.2helpU.com**.

Akku

Dieser langlebige Akku muss aufgeladen werden, wenn die Leistung nicht mehr für Arbeiten ausreicht, die bei voller Ladung leicht durchgeführt werden konnten. Am Ende des technischen Lebens ist der Akku umweltgerecht zu entsorgen:

- Entladen Sie den Akku vollständig und nehmen Sie ihn aus dem Werkzeug.
- Lithium-Ionen-Zellen sind recycelbar. Geben Sie die gebrauchten Akkus bei Ihrem Händler oder bei einer kommunalen Recycling-Sammelstelle ab. Dort werden die gesammelten Akkus recycelt oder ordnungsgemäß entsorgt.

HEAVY-DUTY CORDLESS ROTARY HAMMERDRILL
DCH243, DCH253, DCH254, DCH273, DCH274, DCH283

Congratulations!

You have chosen a DEWALT tool. Years of experience, thorough product development and innovation make DEWALT one of the most reliable partners for professional power tool users.

Technical Data

		DCH243	DCH253	DCH254	DCH273	DCH274	DCH283
Voltage	V_{DC}	18	18	18	18	18	18
Type		1/2	1/2	1	1/2	1	1
No-load speed	min^{-1}	0–1150	0–1200	0–1200	0–1100	0–1100	0–980
No-load Impact rate	bpm	0–4400	0–4500	0–4500	0–4600	0–4600	0–4480
Single impact energy (EPTA 05/2009)	J	2.1	2.1	2.1	2.1	2.1	2.8
Maximum drilling range in steel/wood/concrete	mm	13/26/20	13/26/24	13/26/24	13/26/24	13/26/24	13/30/26
Chuck		SDS Plus	SDS Plus	SDS Plus	SDS Plus	SDS Plus	SDS Plus
Collar diameter	mm	54	54	54	54	54	54
Battery Type		Li-Ion	Li-Ion	Li-Ion	Li-Ion	Li-Ion	Li-Ion
Weight (without battery pack)	kg	2.4	2.5	2.7	2.5	2.7	3.6
Noise values and/or vibration values (triax vector sum) according to EN60745-2-6:							
L_{PA} (emission sound pressure level)	dB(A)	86	86	86	86	86	94
L_{WA} (sound power level)	dB(A)	97	97	97	97	97	105
K (uncertainty for the given sound level)	dB(A)	3	3	3	3	3	3
Drilling into concrete							
Vibration emission value $a_{h, HD}$ =	m/s^2	7.4	6.6	6.6	6.6	6.6	8.5
Uncertainty K =	m/s^2	1.5	1.5	1.5	1.5	1.5	1.5
Chiselling							
Vibration emission value $a_{h,Cheq}$ =	m/s^2	6.0	5.4	5.4	5.4	5.4	8.5
Uncertainty K =	m/s^2	1.5	1.5	1.5	1.5	1.5	1.5
Drilling into metal							
Vibration emission value $a_{h,D}$ =	m/s^2	≤ 2.5	≤ 2.5	≤ 2.5	≤ 2.5	≤ 2.5	≤ 2.5
Uncertainty K =	m/s^2	1.5	1.5	1.5	1.5	1.5	1.5
Screwdriving							
Vibration emission value a_h =	m/s^2	≤ 2.5	≤ 2.5	≤ 2.5	≤ 2.5	≤ 2.5	≤ 2.5
Uncertainty K =	m/s^2	1.5	1.5	1.5	1.5	1.5	1.5

The vibration and/or noise emission level given in this information sheet has been measured in accordance with a standardised test given in EN62841 and may be used to compare one tool with another. It may be used for a preliminary assessment of exposure.

WARNING: *The declared vibration and/or noise emission level represents the main applications of the tool. However if the tool is used for different applications, with different accessories or poorly maintained, the vibration and/or noise emission may differ. This may significantly increase the exposure level over the total working period.*

An estimation of the level of exposure to vibration and/or noise should also take into account the times when the tool is switched off or when it is running but not actually doing the job. This may significantly reduce the exposure level over the total working period.

Identify additional safety measures to protect the operator from the effects of vibration and/or noise such as: maintain the tool and the accessories, keep the hands warm (relevant for vibration), organisation of work patterns.

Batteries				Chargers/Charge Times (Minutes)							
Cat #	V_{DC}	Ah	Weight (kg)	DCB104	DCB107	DCB112	DCB113	DCB115	DCB118	DCB132	DCB119
DCB546	18/54	6.0/2.0	1.05	60	270	170	140	90	60	90	X
DCB547	18/54	9.0/3.0	1.46	75*	420	270	220	135*	75*	135*	X
DCB548	18/54	12.0/4.0	1.44	120	540	350	300	180	120	180	X
DCB181	18	1.5	0.35	22	70	45	35	22	22	22	45
DCB182	18	4.0	0.61	60/40**	185	120	100	60	60/40**	60	120
DCB183/B	18	2.0	0.40	30	90	60	50	30	30	30	60
DCB184/B	18	5.0	0.62	75/50**	240	150	120	75	75/50**	75	150
DCB185	18	1.3	0.35	22	60	40	30	22	22	22	X
DCB187	18	3.0	0.54	45	140	90	70	45	45	45	90
DCB189	18	4.0	0.54	60	185	120	100	60	60	60	120

*Date code 201811475B or later
**Date code 201536 or later

EC-Declaration of Conformity

Machinery Directive

CE

Heavy-Duty Cordless Rotary Hammerdrill

DCH243, DCH253, DCH254, DCH273, DCH274, DCH283

DEWALT declares that these products described under ***Technical Data*** are in compliance with: 2006/42/EC, EN60745-1:2009+A11:2010, EN60745-2-6:2010.

These products also comply with Directive 2014/30/EU and 2011/65/EU. For more information, please contact DEWALT at the following address or refer to the back of the manual.

The undersigned is responsible for compilation of the technical file and makes this declaration on behalf of DEWALT.

Markus Rompel
Vice President of Engineering, PTE-Europe
DEWALT, Richard-Klinger-Straße 11,
D-65510, Idstein, Germany
13.02.2019

WARNING: *To reduce the risk of injury, read the instruction manual.*

Definitions: Safety Guidelines

The definitions below describe the level of severity for each signal word. Please read the manual and pay attention to these symbols.

DANGER: *Indicates an imminently hazardous situation which, if not avoided,* ***will*** *result in* ***death or serious injury****.*

WARNING: *Indicates a potentially hazardous situation which, if not avoided,* ***could*** *result in* ***death or serious injury****.*

CAUTION: *Indicates a potentially hazardous situation which, if not avoided,* ***may*** *result in* ***minor or moderate injury****.*

NOTICE: *Indicates a practice* ***not related to personal injury*** *which, if not avoided,* ***may*** *result in* ***property damage****.*

Denotes risk of electric shock.

Denotes risk of fire.

GENERAL POWER TOOL SAFETY WARNINGS

WARNING: Read all safety warnings, instructions, illustrations and specifications provided with this power tool. *Failure to follow all instructions listed below 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 a 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 and clothing 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.*

h) ***Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.*** *A careless action can cause severe injury within a fraction of a second.*

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 remove the battery pack, if detachable, 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 and accessories. 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.*

h) ***Keep handles and grasping surfaces dry, clean and free from oil and grease.*** *Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.*

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.*

e) ***Do not use a battery pack or tool that is damaged or modified.*** *Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.*

f) ***Do not expose a battery pack or tool to fire or excessive temperature.*** *Exposure to fire or temperature above 130 °C may cause explosion.*

g) ***Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions.*** *Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.*

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.*

b) ***Never service damaged battery packs.*** *Service of battery packs should only be performed by the manufacturer or authorized service providers.*

Additional Safety Instructions for Rotary Hammers

- *Wear ear protectors. Exposure to noise can cause hearing loss.*
- *Use auxiliary handles supplied with the tool. Loss of control can cause personal injury.*
- *Hold power tools by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring. Contact with a "live" wire will make exposed metal parts of the tool "live" and could give the operator an electrical shock.*
- *Use clamps or other practical way to secure and support the workpiece to a stable platform. Holding the work by hand or against your body is unstable and may lead to loss of control.*
- *Wear safety goggles or other eye protection. Hammering operations cause chips to fly. Flying particles can cause permanent eye damage. Wear a dust mask or respirator for applications that generate dust. Ear protection may be required for most applications.*
- *Keep a firm grip on the tool at all times. Do not attempt to operate this tool without holding it with both hands. It is recommended that the side handle be used at all times. Operating this tool with one hand will result in loss of control. Breaking through or encountering hard materials such as re-bar may be hazardous as well. Tighten the side handle securely before use.*
- *Do not operate this tool for long periods of time. Vibration caused by hammer action may be harmful to your hands and arms. Use gloves to provide extra cushion and limit exposure by taking frequent rest periods.*
- *Do not recondition bits yourself. Chisel reconditioning should be done by an authorized specialist. Improperly reconditioned chisels could cause injury.*
- *Wear gloves when operating tool or changing bits. Accessible metal parts on the tool and bits may get extremely hot during operation. Small bits of broken material may damage bare hands.*
- *Never lay the tool down until the bit has come to a complete stop. Moving bits could cause injury.*
- *Do not strike jammed bits with a hammer to dislodge them. Fragments of metal or material chips could dislodge and cause injury.*
- *Slightly worn chisels can be resharpened by grinding.*
- *Keep the power cord away from the rotating bit. Do not wrap the cord around any part of your body. An electric cord wrapped around a spinning bit may cause personal injury and loss of control.*

Residual Risks

The following risks are inherent to the use of rotary hammers:

- *Injuries caused by touching the rotating parts or hot parts of the tool.*

In spite of the application of the relevant safety regulations and the implementation of safety devices, certain residual risks cannot be avoided. These are:

- *Impairment of hearing.*
- *Risk of squeezing fingers when changing the accessory.*
- *Health hazards caused by breathing dust developed when working in concrete and/or masonry.*

SAVE THESE INSTRUCTIONS

Chargers

DEWALT chargers require no adjustment and are designed to be as easy as possible to operate.

Electrical Safety

The electric motor has been designed for one voltage only. Always check that the battery pack voltage corresponds to the voltage on the rating plate. Also make sure that the voltage of your charger corresponds to that of your mains.

Your DEWALT charger is double insulated in accordance with EN60335; therefore no earth wire is required.

If the supply cord is damaged, it must be replaced by a specially prepared cord available through the DEWALT service organisation.

Mains Plug Replacement (U.K. & Ireland Only)

If a new mains plug needs to be fitted:

- *Safely dispose of the old plug.*
- *Connect the brown lead to the live terminal in the plug.*
- *Connect the blue lead to the neutral terminal.*

WARNING: *No connection is to be made to the earth terminal.*

Follow the fitting instructions supplied with good quality plugs. Recommended fuse: 3 A.

Using an Extension Cable

An extension cord should not be used unless absolutely necessary. Use an approved extension cable suitable for the power input of your charger (see ***Technical Data***). The minimum conductor size is 1 mm^2; the maximum length is 30 m.

When using a cable reel, always unwind the cable completely.

Important Safety Instructions for All Battery Chargers

SAVE THESE INSTRUCTIONS: This manual contains important safety and operating instructions for compatible battery chargers (refer to ***Technical Data***).

- *Before using charger, read all instructions and cautionary markings on charger, battery pack, and product using battery pack.*

WARNING: *Shock hazard. Do not allow any liquid to get inside charger. Electric shock may result.*

WARNING: *We recommend the use of a residual current device with a residual current rating of 30mA or less.*

CAUTION: *Burn hazard. To reduce the risk of injury, charge only DEWALT rechargeable batteries. Other types of batteries may burst causing personal injury and damage.*

CAUTION: *Children should be supervised to ensure that they do not play with the appliance.*

NOTICE: *Under certain conditions, with the charger plugged into the power supply, the exposed charging contacts inside the charger can be shorted by foreign material. Foreign materials of a conductive nature such as, but not limited to, steel wool, aluminum foil or any buildup of metallic particles should be kept away from charger cavities. Always unplug the charger from the power supply when there is no battery pack in the cavity. Unplug charger before attempting to clean*

- ***DO NOT attempt to charge the battery pack with any chargers other than the ones in this manual.*** *The charger and battery pack are specifically designed to work together.*
- ***These chargers are not intended for any uses other than charging DEWALT rechargeable batteries.*** *Any other uses may result in risk of fire, electric shock or electrocution.*
- ***Do not expose charger to rain or snow.***
- ***Pull by plug rather than cord when disconnecting charger.*** *This will reduce risk of damage to electric plug and cord.*
- ***Make sure that cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.***
- ***Do not use an extension cord unless it is absolutely necessary.*** *Use of improper extension cord could result in risk of fire,electric shock, or electrocution.*
- ***Do not place any object on top of charger or place the charger on a soft surface that might block the ventilation slots and result in excessive internal heat.*** *Place the charger in a position away from any heat source. The charger is ventilated through slots in the top and the bottom of the housing.*
- ***Do not operate charger with damaged cord or plug—*** *have them replaced immediately.*
- ***Do not operate charger if it has received a sharp blow, been dropped, or otherwise damaged in any way.*** *Take it to an authorised service centre.*
- ***Do not disassemble charger; take it to an authorised service centre when service or repair is required.*** *Incorrect reassembly may result in a risk of electric shock, electrocution or fire.*
- *In case of damaged power supply cord the supply cord must be replaced immediately by the manufacturer, its service agent or similar qualified person to prevent any hazard.*
- ***Disconnect the charger from the outlet before attempting any cleaning. This will reduce the risk of electric shock.*** *Removing the battery pack will not reduce this risk.*
- ***NEVER*** *attempt to connect two chargers together.*
- ***The charger is designed to operate on standard 230V household electrical power. Do not attempt to use it on any other voltage.*** *This does not apply to the vehicular charger.*

Charging a Battery (Fig. B)

1. Plug the charger into an appropriate outlet before inserting battery pack.
2. Insert the battery pack 6 into the charger, making sure the battery pack is fully seated in the charger. The red (charging) light will blink repeatedly indicating that the charging process has started.
3. The completion of charge will be indicated by the red light remaining ON continuously. The battery pack is fully charged and may be used at this time or left in the charger. To remove the battery pack from the charger, push the battery release button 7 on the battery pack.

NOTE: To ensure maximum performance and life of lithium-ion battery packs, charge the battery pack fully before first use.

Charger Operation

Refer to the indicators below for the charge status of the battery pack.

Charge Indicators	
Charging	— — — —
Fully Charged	———
Hot/Cold Pack Delay*	— — — | ———

*The red light will continue to blink, but a yellow indicator light will be illuminated during this operation. Once the battery pack has reached an appropriate temperature, the yellow light will turn off and the charger will resume the charging procedure.

The compatible charger(s) will not charge a faulty battery pack. The charger will indicate faulty battery by refusing to light.

NOTE: This could also mean a problem with a charger.

If the charger indicates a problem, take the charger and battery pack to be tested at an authorised service centre.

Hot/Cold Pack Delay

When the charger detects a battery pack that is too hot or too cold, it automatically starts a Hot/Cold Pack Delay, suspending charging until the battery pack has reached an appropriate temperature. The charger then automatically switches to the pack charging mode. This feature ensures maximum battery pack life.

A cold battery pack will charge at a slower rate than a warm battery pack. The battery pack will charge at that slower rate throughout the entire charging cycle and will not return to maximum charge rate even if the battery pack warms.

The DCB118 charger is equipped with an internal fan designed to cool the battery pack. The fan will turn on automatically when the battery pack needs to be cooled. Never operate the charger if the fan does not operate properly or if ventilation slots are blocked. Do not permit foreign objects to enter the interior of the charger.

Electronic Protection System

XR Li-Ion tools are designed with an Electronic Protection System that will protect the battery pack against overloading, overheating or deep discharge.

The tool will automatically turn off if the Electronic Protection System engages. If this occurs, place the lithium-ion battery pack on the charger until it is fully charged.

Wall Mounting

These chargers are designed to be wall mountable or to sit upright on a table or work surface. If wall mounting, locate the charger within reach of an electrical outlet, and away from a corner or other obstructions which may impede air flow. Use the back of the charger as a template for the location of the mounting screws on the wall. Mount the charger securely using drywall screws (purchased separately) at least 25.4 mm long with a screw head diameter of 7–9 mm, screwed into wood to an optimal depth leaving approximately 5.5 mm of the screw exposed. Align the slots on the back of the charger with the exposed screws and fully engage them in the slots.

Charger Cleaning Instructions

***WARNING: Shock hazard. Disconnect the charger from the AC outlet before cleaning**. Dirt and grease may be removed from the exterior of the charger using a cloth or soft non-metallic brush. Do not use water or any cleaning solutions. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.*

Battery Packs

Important Safety Instructions for All Battery Packs

When ordering replacement battery packs, be sure to include cataloguenumber and voltage.

The battery pack is not fully charged out of the carton. Before using the battery pack and charger, read the safety instructions below. Then follow charging procedures outlined.

READ ALL INSTRUCTIONS

- ***Do not charge or use battery in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Inserting or removing the battery from the charger may ignite the dust or fumes.*
- ***Never force battery pack into charger. Do not modify battery pack in any way to fit into a non-compatible charger as battery pack may rupture causing serious personal injury.***
- *Charge the battery packs only in DEWALT chargers.*
- ***DO NOT** splash or immerse in water or other liquids.*
- ***Do not store or use the tool and battery pack in locations where the temperature may reach or exceed 40 ˚C (104 ˚F) (such as outside sheds or metal buildings in summer).***
- ***Do not incinerate the battery pack even if it is severely damaged or is completely worn out.** The battery pack can explode in a fire. Toxic fumes and materials are created when lithium-ion battery packs are burned.*
- ***If battery contents come into contact with the skin, immediately wash area with mild soap and water.** If battery liquid gets into the eye, rinse water over the open eye for 15 minutes or until irritation ceases. If medical attention is needed, the battery electrolyte is composed of a mixture of liquid organic carbonates and lithium salts.*
- ***Contents of opened battery cells may cause respiratory irritation.** Provide fresh air. If symptoms persists, seek medical attention.*

***WARNING:** Burn hazard. Battery liquid may be flammable if exposed to spark or flame.*

***WARNING:** Never attempt to open the battery pack for any reason. If battery pack case is cracked or damaged, do not insert into charger. Do not crush, drop or damage battery pack. Do not use a battery pack or charger that has received a sharp blow, been dropped, run over or damaged in any way (i.e., pierced with a nail, hit with a hammer, stepped on). Electric shock or electrocution may result. Damaged battery packs should be returned to service centre for recycling.*

***WARNING: Fire hazard. Do not store or carry the battery pack so that metal objects can contact exposed battery terminals.** For example, do not place the battery pack in aprons, pockets, tool boxes, product kit boxes, drawers, etc., with loose nails, screws, keys, etc.*

***CAUTION: When not in use, place tool on its side on a stable surface where it will not cause a tripping or falling hazard.** Some tools with large battery packs will stand upright on the battery pack but may be easily knocked over.*

Transportation

***WARNING: Fire hazard.** Transporting batteries can possibly cause fire if the battery terminals inadvertently come in contact with conductive materials. When transporting batteries, make sure that the battery terminals are protected and well insulated from materials that could contact them and cause a short circuit.*
***NOTE:** Lithium-ion batteries should not be put in checked baggage.*

DEWALT batteries comply with all applicable shipping regulations as prescribed by industry and legal standards which include UN Recommendations on the Transport of Dangerous Goods; International Air Transport Association (IATA) Dangerous Goods Regulations, International Maritime Dangerous Goods (IMDG) Regulations, and the European Agreement Concerning

The International Carriage of Dangerous Goods by Road (ADR). Lithium-ion cells and batteries have been tested to section 38.3 of the UN Recommendations on the Transport of Dangerous Goods Manual of Tests and Criteria.

In most instances, shipping a DEWALT battery pack will be excepted from being classified as a fully regulated Class 9 Hazardous Material. In general, only shipments containing a lithium-ion battery with an energy rating greater than 100 Watt Hours (Wh) will require being shipped as fully regulated Class 9. All lithium-ion batteries have the Watt Hour rating marked on the pack. Furthermore, due to regulation complexities, DEWALT does not recommend air shipping lithium-ion battery packs alone regardless of Watt Hour rating. Shipments of tools with batteries (combo kits) can be air shipped as excepted if the Watt Hour rating of the battery pack is no greater than 100 Whr.

Regardless of whether a shipment is considered excepted or fully regulated, it is the shipper's responsibility to consult the latest regulations for packaging, labeling/marking and documentation requirements.

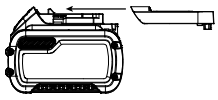
The information provided in this section of the manual is provided in good faith and believed to be accurate at the time the document was created. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with the applicable regulations.

Transporting the FLEXVOLT™ Battery

The DEWALT FLEXVOLT™ battery has two modes: **Use** and **Transport**.

Use Mode: When the FLEXVOLT™ battery stands alone or is in a DEWALT 18V product, it will operate as an 18V battery. When the FLEXVOLT™ battery is in a 54V or a 108V (two 54V batteries) product, it will operate as a 54V battery.

Transport Mode: When the cap is attached to the FLEXVOLT™ battery, the battery is in Transport mode. Keep the cap for shipping.



When in Transport mode, strings of cells are electrically disconnected within the pack resulting in 3 batteries with a lower Watt hour (Wh) rating as compared to 1 battery with a higher Watt hour rating. This increased quantity of 3 batteries with the lower Watt hour rating can exempt the pack from certain shipping regulations that are imposed upon the higher Watt hour batteries.

For example, the Transport Wh rating might indicate 3 x 36 Wh, meaning 3 batteries of 36 Wh each. The Use Wh rating might indicate 108 Wh (1 battery implied).

Example of Use and Transport Label Marking



Storage Recommendations

1. The best storage place is one that is cool and dry away from direct sunlight and excess heat or cold. For optimum battery performance and life, store battery packs at room temperature when not in use.
2. For long storage, it is recommended to store a fully charged battery pack in a cool, dry place out of the charger for optimal results.

NOTE: Battery packs should not be stored completely depleted of charge. The battery pack will need to be recharged before use.

Labels on Charger and Battery Pack

In addition to the pictographs used in this manual, the labels on the charger and the battery pack may show the following pictographs:




Read instruction manual before use.



See ***Technical Data*** for charging time.



Do not probe with conductive objects.



Do not charge damaged battery packs.



Do not expose to water.



Have defective cords replaced immediately.



Charge only between 4 °C and 40 °C.



Only for indoor use.



Discard the battery pack with due care for the environment.



Charge DEWALT battery packs only with designated DEWALT chargers. Charging battery packs other than the designated DEWALT batteries with a DEWALT charger may make them burst or lead to other dangerous situations.



Do not incinerate the battery pack.



USE (without transport cap). Example: Wh rating indicates 108 Wh (1 battery with 108 Wh).



TRANSPORT (with built-in transport cap). Example: Wh rating indicates 3 x 36 Wh (3 batteries of 36 Wh).

Battery Type

These battery packs may be used: Refer to ***Technical Data*** for more information.

The DCH243, DCH253, DCH254, DCH273, DCH274, DCH283, operate on a 18 volt battery pack.

These battery packs may be used: DCB181, DCB182, DCB183, DCB183B, DCB184, DCB184B, DCB185, DCB187, DCB189, DCB546, DCB547, DCB548. Refer to ***Technical Data*** for more information.

Package Contents

The package contains:

1 Cordless rotary hammerdrill
1 Side handle and depth rod
1 Charger
1 Battery pack (D1, L1, M1, P1)
2 Battery packs (D2, L2, M2, P2)
3 Battery packs (D3, L3, M3, P3)
1 Keyless chuck (DCH254, DCH274)
1 Kit box
1 Instruction manual

- *Check for damage to the tool, parts or accessories which may have occurred during transport.*
- *Take the time to thoroughly read and understand this manual prior to operation.*

Markings on Tool

The following pictograms are shown on the tool:


Read instruction manual before use.


Wear ear protection.


Wear eye protection.


Visible radiation. Do not stare into light.

Date Code Position

The date code, which also includes the year of manufacture, is printed into the housing.

Example:

2019 XX XX

Year of Manufacture

Description (Fig. A)

WARNING: *Never modify the power tool or any part of it. Damage or personal injury could result.*

1 Variable speed switch
2 Forward/reverse button
3 Mode selector dial
4 Mode selector button
5 Side handle
6 Battery pack
7 Release button
8 Main handle
9 SDS Plus tool holder
10 Sleeve
11 Depth rod
12 Depth rod release button
13 Worklight (DCH253, DCH254, DCH273, DCH274, DCH283)
14 Utility hook (DCH273, DCH274, DCH283)

Intended Use

Your cordless rotary hammerdrill has been designed for professional drilling and hammerdrilling applications, as well as screwdriving and chipping applications.

DO NOT use under wet conditions or in the presence of flammable liquids or gases.

Your cordless rotary hammerdrill is a professional power tool.

DO NOT let children come into contact with the tool. Supervision is required when inexperienced operators use this tool.

- **Young children and the infirm.** This appliance is not intended for use by young children or infirm persons without supervision.
- This product is not intended for use by persons (including children) suffering from diminished physical, sensory or mental abilities; lack of experience, knowledge or skills unless they are supervised by a person responsible for their safety. Children should never be left alone with this product.

Overload Clutch

In case of jamming of a drill bit, the drive to the drill spindle is interrupted. Because of the resulting forces, always hold the tool with both hands and take a firm stance. After the overload, release and depress the trigger to re-engage drive.

Mechanical Clutch

DCH243, DCH253, DCH254, DCH283

On units fitted with a mechanical clutch the indication that the clutch has activated will be an audible ratcheting together with increased vibration.

Electronic Clutch

DCH273, DCH274

When the electronic clutch activates, the motor is repeatedly switched on and off for a few seconds to replicate the feedback associated with a mechanical clutch.

Anti-Rotation System (Fig. E)

DCH283

In addition to the clutch, an anti-rotation system offers increased user comfort and safety through an on-board, anti-rotation technology capable of detecting if the user loses control of the hammer. When a jam is detected, the torque and speed are reduced instantly. This feature prevents self rotation of the tool reducing the occurrence of wrist injuries.

The anti-rotation system indicator **15** will illuminate to indicate status.

Indicator	Diagnosis	Solution
OFF	Tool is functioning normally	Follow all warnings and instructions when operating the tool.
SOLID	Anti-Rotation System has been activated (ENGAGED)	With the tool properly supported, release trigger. The tool will function normally when the trigger is depressed again and the indicator light will go out.

Active Vibration Control

For best vibration control, hold the tool as described in ***Proper Hand Position.***

The active vibration control neutralises rebound vibration from the hammer mechanism. Lowering hand and arm vibration, it allows more comfortable use for longer periods of time and extends the life of the unit.

The hammer only needs enough pressure to engage the active vibraton control. Applying too much pressure will not make the tool drill or chip faster and active vibration control will not engage.

ASSEMBLY AND ADJUSTMENTS

WARNING: To reduce the risk of serious personal injury, turn tool off and disconnect battery pack before making any adjustments or removing/ installing attachments / accessories or when making repairs. *An accidental start-up can cause injury.*

WARNING: *Use only DEWALT battery packs and chargers.*

Inserting and Removing the Battery Pack from the Tool (Fig. B)

NOTE: Make sure your battery pack 6 is fully charged.

To Install the Battery Pack into the Tool Handle

1. Align the battery pack 6 with the rails inside the tool's handle (Fig. B).
2. Slide it into the handle until the battery pack is firmly seated in the tool and ensure that you hear the lock snap into place.

To Remove the Battery Pack from the Tool

1. Press the release button 7 and firmly pull the battery pack out of the tool handle.
2. Insert batter)y pack into the charger as described in the charger section of this manual.

Fuel Gauge Battery Packs

Some DEWALT battery packs include a fuel gauge which consists of three green LED lights that indicate the level of charge remaining in the battery pack.

To actuate the fuel gauge, press and hold the fuel gauge button 14. A combination of the three green LED lights will illuminate designating the level of charge left. When the level of charge in the battery is below the usable limit, the fuel gauge will not illuminate and the battery will need to be recharged.

NOTE: The fuel gauge is only an indication of the charge left on the battery pack. It does not indicate tool functionality and is subject to variation based on product components, temperature and end-user application.

Side Handle (Fig. A)

WARNING: *To reduce the risk of personal injury,* ***ALWAYS*** *operate the tool with the side handle properly installed. Failure to do so may result in the side handle slipping during tool operation and subsequent loss of control. Hold tool with both hands to maximize control.*

The side handle 5 clamps to the front of the gear case and may be rotated 360° to permit right- or left-hand use. The side handle must be tightened sufficiently to resist the twisting action of the tool if the accessory binds or stalls. Be sure to grip the side handle at the far end to control the tool during a stall.

To loosen side handle, rotate counterclockwise.

To Adjust the Depth Rod (Fig. C)

1. Push in and hold the depth rod release button 12 on the side handle.
2. Move the depth rod 11 so the distance between the end of the rod and the end of the bit equals the desired drilling depth.
3. Release the button to lock rod into position. When drilling with the depth rod, stop when end of rod reaches surface of material.

Utility Hook (Fig. A, D)

DCH273, DCH274, DCH283

A utility hook 14 is fitted below the main handle 8 on the left side of the tool. To extend the utility hook pull it out from the side of the tool. To store the utility hook push it back flush with the side of the tool. If use of the hook is not desired at all, it can be removed completely.

To Remove and/or Reinstall the Utility Hook

1. Position the utility hook into the extended position and remove the hex head screw located on the underside of the main handle.
2. Pull out the utility hook until it is free from the unit.
3. To reinstall, insert the utility hook into the the slot below the main handle. **NOTE:** On the DCH273 and DCH274 models the hook can be installed on either side of the handle. The slot may be covered with a sticker. Either remove the sticker or pierce the sticker to expose the slot underneath.
4. Re-insert the hex screw and tighten securely.

Bit and Bit Holder

WARNING: *Burn Hazard.* ***ALWAYS*** *wear gloves when changing bits. Accessible metal parts on the tool and bits may get extremely hot during operation. Small bits of broken material may damage bare hands.*

The hammerdrill can be fitted with different bits depending on the desired application. **Use sharp drill bits only.**

Bit Reccomendations

- For wood, use twist bits, spade bits, power auger bits or hole saws.
- For metal, use high-speed steel twist drill bits or hole saws. Use a cutting lubricant when drilling metals. The exceptions are cast iron and brass which should be drilled dry.
- For masonry, such as brick, cement, cinder block, etc., use carbide-tipped bits rated for percussion drilling.

SDS Plus Bit Holder (Fig. F)

NOTE: Special adapters are needed to use the SDS plus tool holder with straight shank bits and hexagonal screwdriver bits. Refer to ***Optional Accessories***.

To Insert a Drill Bit or Other Accessory

1. Insert the shank of the bit about 19 mm into SDS Plus tool holder.
2. Push and rotate bit until it locks in place. The bit will be securely held.
3. To release bit, pull the sleeve (10) back and remove the bit.

Keyless Chuck (Fig. F, G)

DCH254, DCH274

On some hammerdrills, a keyless chuck can be installed in place of the SDS Plus bit holder.

WARNING: *Never use standard chucks in the rotary hammering mode.*

Replacing the SDS Plus Bit Holder with the Keyless Chuck (Fig. G)

1. Select hammering only mode (see ***Operation Modes***), this locks the spindle to prevent it from rotating when unlocking the removable tool holder.
2. Turn the locking collar (15) into the unlocked position and pull the installed bit holder off.
3. Push the keyless chuck (16) onto the spindle (17) and turn the locking collar into the locking position.
4. To replace the keyless chuck with the SDS Plus bit holder, first remove the keyless chuck the same way as the SDS Plus bit holder was removed. Then replace the SDS Plus bit holder the same way as the keyless chuck was replaced.

To Insert a Drill Bit or Other Accessory in Keyless Chuck (Fig. F)

1. Grasp the sleeve (18) of the chuck with one hand and use the other hand grasping the base of the chuck.
2. Rotate the sleeve counterclockwise (as viewed from the front) far enough to accept the desired accessory.
3. Insert the accessory about 19 mm into the chuck and tighten securely by rotating the chuck sleeve clockwise with one hand while holding the tool with the other hand. Continue to rotate the chuck sleeve until several ratchet clicks are heard to ensure full gripping power.

Be sure to tighten chuck with one hand on the chuck sleeve and one hand holding the tool for maximum tightness.

To release the accessory, repeat Steps 1 and 2 above.

OPERATION

Instructions for Use

WARNING: *Always observe the safety instructions and applicable regulations.*

WARNING: To reduce the risk of serious personal injury, turn tool off and disconnect battery pack before making any adjustments or removing/ installing attachments / accessories or when making repairs. *An accidental start-up can cause injury.*

Proper Hand Position (Fig. E)

WARNING: *To reduce the risk of serious personal injury,* ***ALWAYS*** *use proper hand position as shown.*

WARNING: *To reduce the risk of serious personal injury,* ***ALWAYS*** *hold securely in anticipation of a sudden reaction.*

Proper hand position requires one hand on the main handle (8), with the other hand on the side handle (5).

Operation Modes (Fig. A)

WARNING: *Do not select the operating mode when the tool is running.*

Your tool is equipped with a mode selector dial (3) to select the mode appropriate to desired operation.

Symbol	Mode	Application
	**Rotary Drilling**	Screwdriving Drilling into steel, wood and plastics
	**Rotary Hammering**	Drilling into concrete and masonry
	**Hammering only**	Light chipping

To Select an Operating Mode

1. Depress the mode selector release button (4).
2. Rotate the mode selector dial so that the arrow points to the symbol corresponding with the desired mode.

NOTE: The mode selector (3) must be in rotary drilling, rotary hammering or hammering only mode at all times. There are no operable positions in between. It may be necessary to briefly run the motor after having changed from 'hammering only' to 'rotary' modes in order to align the gears.

Performing an Application (Fig. A)

WARNING: TO REDUCE THE RISK OF PERSONAL INJURY, ALWAYS *ensure workpiece is anchored or clamped firmly. If drilling thin material, use a wood "back-up" block to prevent damage to the material.*

WARNING: *Always wait until the motor has come to a complete standstill before changing the direction of rotation.*

1. Choose and install the appropriate chuck, adapter, and/or bit onto to the tool. Refer to ***Bit and Bit Holders***.
2. Using the mode selector dial (3), select the mode appropriate to desired application. Refer to ***Operation Modes***.
3. Adjust the side handle (5) as required.
4. Place the bit/chisel on the desired location.
5. Select the direction of rotation using the forward/reverse button (2). When changing the position of the control button, be sure the trigger is released.
   - To select forward rotation, press the forward/reverse control button on the right side of the tool.

- To select reverse, press the forward/reverse control button on the left side of the tool.
  NOTE: The center position of the control button locks the tool in the off position.

6. Depress the trigger switch (1). The farther you depress the trigger switch, the faster the tool will operate. For maximum tool life, use variable speed only for starting holes or fasteners.
   NOTE: Depending on your tool, depressing the trigger switch activates a worklight (13) designed to illuminate the immediate work surface. Refer to ***Description***. The worklight will automatically turn off 20 seconds after the trigger switch is released.

WARNING:

- *Do not use this tool to mix or pump easily combustible or explosive fluids (benzine, alcohol, etc.).*
- *Do not mix or stir inflammable liquids labelled accordingly.*

MAINTENANCE

Your DEWALT power tool has been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper tool care and regular cleaning.

WARNING: To reduce the risk of serious personal injury, turn tool off and disconnect battery pack before making any adjustments or removing/ installing attachments / accessories or when making repairs. *An accidental start-up can cause injury.*

The charger and battery pack are not serviceable.

Lubrication

Your power tool requires no additional lubrication.

Cleaning

WARNING: *Blow dirt and dust out of the main housing with dry air as often as dirt is seen collecting in and around the air vents. Wear approved eye protection and approved dust mask when performing this procedure.*

WARNING: *Never use solvents or other harsh chemicals for cleaning the non-metallic parts of the tool. These chemicals may weaken the materials used in these parts. Use a cloth dampened only with water and mild soap. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.*

Optional Accessories

WARNING: *Since accessories, other than those offered by DEWALT, have not been tested with this product, use of such accessories with this tool could be hazardous. To reduce the risk of injury, only DEWALT recommended accessories should be used with this product.*

Various types of SDS Plus drill bits and chisels are available as an option. Accessories and attachments used must be regularly lubricated around the SDS Plus fitment.

Dust Extraction System (Fig. H)

For some compatible hammerdrills, a dedicated integrated dust extraction system is available and can be purchased separately.

DCH273, DCH274

The dust extraction system is powered by an electrical connection (19) to a compatible hammerdrill.

DCH283

The dust extraction system is powered by an mechanical connection (19) to a compatible hammerdrill.

Consult your dealer for further information on the compatibility of appropriate accessories.

Protecting the Environment

Separate collection. Products and batteries marked with this symbol must not be disposed of with normal household waste.

Products and batteries contain materials that can be recovered or recycled reducing the demand for raw materials. Please recycle electrical products and batteries according to local provisions. Further information is available at **www.2helpU.com**.

Rechargeable Battery Pack

This long life battery pack must be recharged when it fails to produce sufficient power on jobs which were easily done before. At the end of its technical life, discard it with due care for our environment:

- Run the battery pack down completely, then remove it from the tool.
- Li-Ion cells are recyclable. Take them to your dealer or a local recycling station. The collected battery packs will be recycled or disposed of properly.

TALADRO PERCUTOR GIRATORIO SIN CABLE DE ALTA RESISTENCIA
DCH243, DCH253, DCH254, DCH273, DCH274, DCH283

¡Enhorabuena!

Ha elegido una herramienta DEWALT. Años de experiencia, innovación y un exhaustivo desarrollo de productos hacen que DEWALT sea una de las empresas más fiables para los usuarios de herramientas eléctricas profesionales.

Datos técnicos

		DCH243	DCH253	DCH254	DCH273	DCH274	DCH283
Tensión	V_{CC}	18	18	18	18	18	18
Tipo		1/2	1/2	1	1/2	1	1
Velocidad en vacío	min^{-1}	0-1150	0-1200	0-1200	0-1100	0-1100	0-980
Frecuencia de impacto sin carga	bpm	0-4400	0-4500	0-4500	0-4600	0-4600	0-4480
Energía de impacto única (EPTA 05/2009)	J	2,1	2,1	2,1	2,1	2,1	2,8
Máxima capacidad de perforación en acero/ madera/cemento	mm	13/26/20	13/26/24	13/26/24	13/26/24	13/26/24	13/30/26
Mandril		SDS Plus	SDS Plus	SDS Plus	SDS Plus	SDS Plus	SDS Plus
Diámetro del collarín	mm	54	54	54	54	54	54
Tipo de batería		Li-Ion	Li-Ion	Li-Ion	Li-Ion	Li-Ion	Li-Ion
Peso (sin batería)	kg	2,4	2,5	2,7	2,5	2,7	3,6
Valores de ruido y/o valores de vibración (suma vectores triaxiales) de acuerdo con EN60745-2-6:							
L_{PA} (nivel de presión sonora de emisión)	dB(A)	86	86	86	86	86	94
L_{WA} (nivel de potencia sonora)	dB(A)	97	97	97	97	97	105
K (incertidumbre para el nivel de sonido dado)	dB(A)	3	3	3	3	3	3
Perforación en hormigón							
Valor de emisión de vibraciones $a_{h, HD}$ =	m/s^2	7,4	6,6	6,6	6,6	6,6	8,5
Incertidumbre K=	m/s^2	1,5	1,5	1,5	1,5	1,5	1,5
Cincelado							
Valor de emisión de vibraciones $a_{h, Cheq}$ =	m/s^2	6,0	5,4	5,4	5,4	5,4	8,5
Incertidumbre K=	m/s^2	1,5	1,5	1,5	1,5	1,5	1,5
Perforación en metal							
Valor de emisión de vibraciones $a_{h, D}$ =	m/s^2	≤ 2,5	≤ 2,5	≤ 2,5	≤ 2,5	≤ 2,5	≤ 2,5
Incertidumbre K=	m/s^2	1,5	1,5	1,5	1,5	1,5	1,5
Destornillador							
Valor de emisión de vibraciones a_h =	m/s^2	≤ 2,5	≤ 2,5	≤ 2,5	≤ 2,5	≤ 2,5	≤ 2,5
Incertidumbre K=	m/s^2	1,5	1,5	1,5	1,5	1,5	1,5

El nivel de emisión de vibraciones y/o ruido que figura en esta hoja de información se ha medido de conformidad con una prueba normalizada proporcionada en la EN62841 y puede utilizarse para comparar una herramienta con otra. Puede usarse para una evaluación preliminar de la exposición.

ADVERTENCIA: *El nivel de emisión de vibraciones y ruido declarado representa las principales aplicaciones de la herramienta. Sin embargo, si se utiliza la herramienta para otras aplicaciones, con accesorios diferentes o mal mantenidos, la emisión de ruido y vibraciones puede variar. Esto puede aumentar considerablemente el nivel de exposición durante el período total de trabajo.*

Para valorar el nivel de exposición al ruido y a las vibraciones, también deberían tenerse en cuenta las veces que la herramienta está apagada o en funcionamiento pero sin realizar ningún trabajo. Esto puede reducir considerablemente el nivel de exposición durante el periodo total de trabajo.

Pilas				Tiempo Cargadores/Carga (Minutos)							
Cat #	V_{DC}	Ah	Peso (kg)	DCB104	DCB107	DCB112	DCB113	DCB115	DCB118	DCB132	DCB119
DCB546	18/54	6,0/2,0	1,05	60	270	170	140	90	60	90	X
DCB547	18/54	9,0/3,0	1,46	75*	420	270	220	135*	75*	135*	X
DCB548	18/54	12,0/4,0	1,44	120	540	350	300	180	120	180	X
DCB181	18	1,5	0,35	22	70	45	35	22	22	22	45
DCB182	18	4,0	0,61	60/40**	185	120	100	60	60/40**	60	120
DCB183/B	18	2,0	0,40	30	90	60	50	30	30	30	60
DCB184/B	18	5,0	0,62	75/50**	240	150	120	75	75/50**	75	150
DCB185	18	1,3	0,35	22	60	40	30	22	22	22	X
DCB187	18	3,0	0,54	45	140	90	70	45	45	45	90
DCB189	18	4,0	0,54	60	185	120	100	60	60	60	120

**Código de fecha 201811475B o posterior*
***Código de fecha 201536 o posterior*

Identifique medidas de seguridad adicionales para proteger al operador de los efectos del ruido y las vibraciones, como, por ejemplo, realizar el mantenimiento de la herramienta y de los accesorios, mantener las manos calientes (relevante para las vibraciones) u organizar patrones de trabajo.

Declaración de Conformidad CE

Directriz de la Maquinaria

CE

Taladro percutor giratorio sin cable de alta resistencia

DCH243, DCH253, DCH254, DCH273, DCH274, DCH283

DEWALT declara que los productos descritos bajo ***Datos Técnicos*** son conformes a las normas: 2006/42/CE, EN60745-1:2009+A11:2010, EN60745-2-6:2010.

Estos productos también son conformes con las Directivas 2014/30/UE y 2011/65/UE. Si desea más información, póngase en contacto con DEWALT en la dirección indicada a continuación o bien consulte la parte posterior de este manual.

El que suscribe es responsable de la compilación del archivo técnico y realiza esta declaración en representación de DEWALT.



Markus Rompel
Vicepresidente de Ingeniería, PTE-Europa
DEWALT, Richard-Klinger-Strase 11,
D-65510, Idstein, Alemania
13.02.2019



ADVERTENCIA: para reducir el riesgo de lesiones, lea el manual de instrucciones.

Definiciones: normas de seguridad

Las siguientes definiciones describen el nivel de gravedad de las señales. Lea el manual y preste atención a estos símbolos.



PELIGRO: *indica una situación de peligro inminente, que si no se evita,* ***provocará*** *la* ***muerte o lesiones graves****.*



ADVERTENCIA: *indica una situación de posible peligro que, si no se evita,* ***podría*** *provocar la* ***muerte o lesiones graves****.*



ATENCIÓN: *indica una situación de posible peligro que, si no se evita,* ***puede*** *provocar* ***lesiones leves o moderadas****.*

AVISO: *Indica una práctica* ***no relacionada con las lesiones personales*** *que, de no evitarse,* ***puede*** *ocasionar* ***daños materiales****.*



Indica riesgo de descarga eléctrica.



Indica riesgo de incendio.

Advertencias de seguridad generales para herramientas eléctricas



ADVERTENCIA: Lea todas las advertencias de seguridad, instrucciones, ilustraciones y especificaciones suministradas con esta herramienta eléctrica. *El incumplimiento de las instrucciones que se indican a continuación puede causar descargas eléctricas, incendios y/o lesiones graves.*

CONSERVE TODAS LAS ADVERTENCIAS E INSTRUCCIONES PARA FUTURAS CONSULTAS

El término "herramienta eléctrica" que aparece en las advertencias se refiere a la herramienta eléctrica que funciona a través de la red eléctrica (con cable) o a la herramienta eléctrica que funciona con batería (sin cable).

DEWALT®

XR LI-ION

www.DEWALT.com

DCF887

Final page size: A5 (148mm x 210mm)

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Fig. A

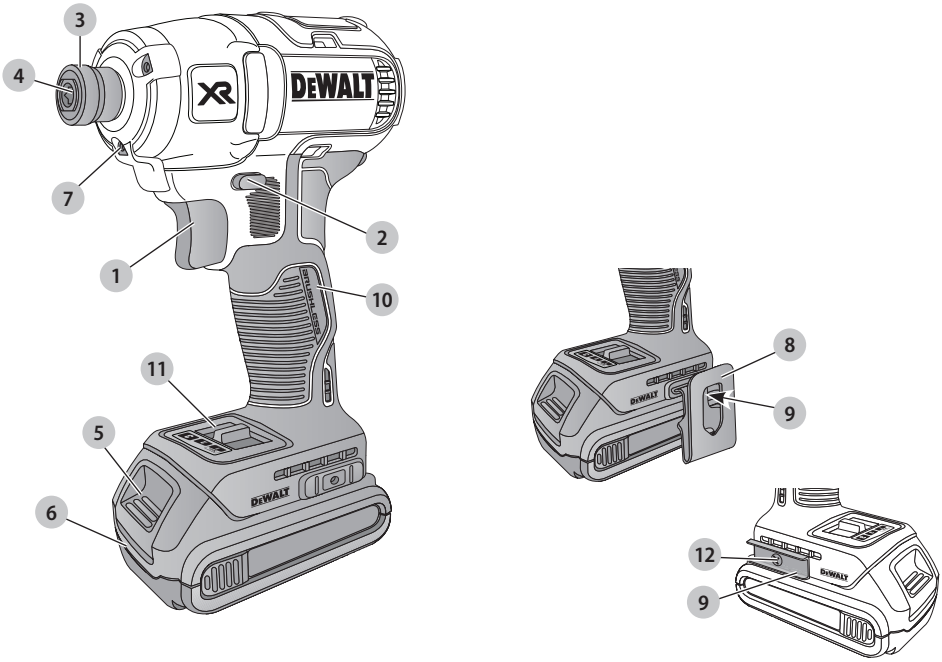


Fig. B

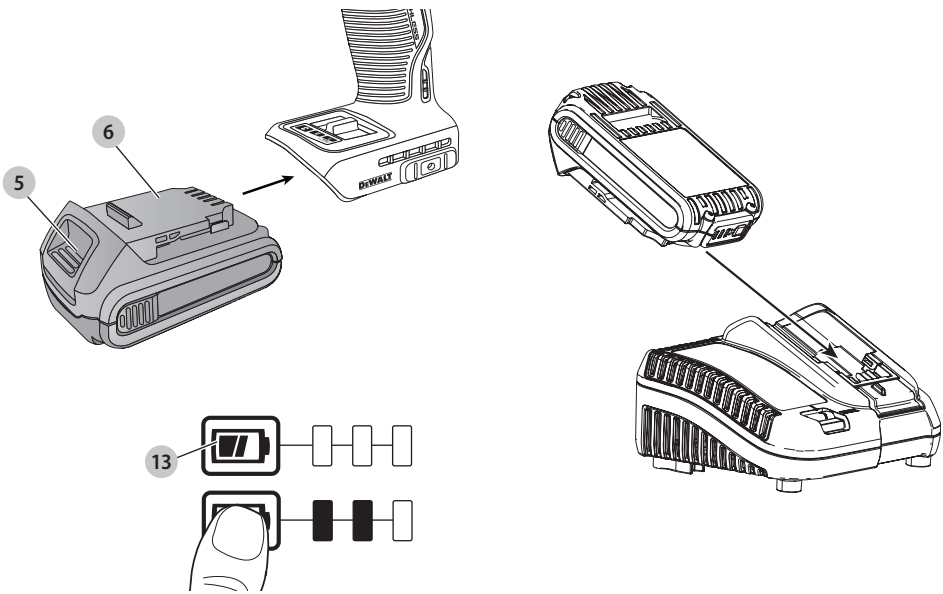


Fig. C

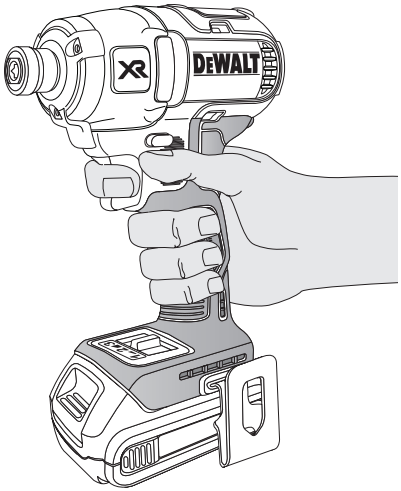


Fig. D

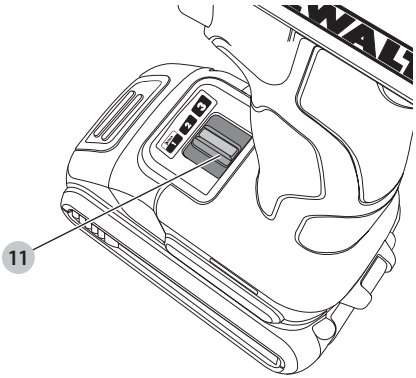


Fig. E

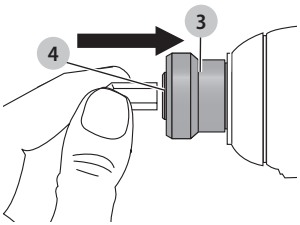
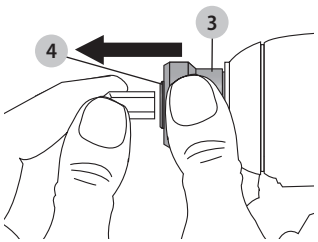


Fig. F



BRUSHLESS CORDLESS COMPACT IMPACT DRIVER DCF887

Congratulations!

You have chosen a DEWALT tool. Years of experience, thorough product development and innovation make DEWALT one of the most reliable partners for professional power tool users.

Technical Data

		DCF887
Voltage	V_{DC}	18
Type		1/10/20
Battery type		Li-Ion
Power output	W	400
No load speed	rpm	
Mode 1		0–1000
Mode 2		0–2800
Mode 3		0–3250
Impact rate	ipm	0–3800
Max torque	Nm	205
Tool holder	mm	6.35
Weight (without battery pack)	kg	0.9

Noise values and vibration values (triax vector sum) according to EN60745-2-2:		
L_{PA} (emission sound pressure level)	dB(A)	96
L_{WA} (sound power level)	dB(A)	107
K (uncertainty for the given sound level)	dB(A)	3

Vibration emission value a_h =	m/s^2	22.0
Uncertainty K =	m/s^2	2.1

The vibration emission level given in this information sheet has been measured in accordance with a standardised test given in EN60745 and may be used to compare one tool with another. It may be used for a preliminary assessment of exposure.

WARNING: *The declared vibration emission level represents the main applications of the tool. However if the tool is used for different applications, with different accessories or poorly maintained, the vibration emission may differ. This may significantly increase the exposure level over the total working period.*

An estimation of the level of exposure to vibration should also take into account the times when the tool is switched off or when it is running but not actually doing the job. This may significantly reduce the exposure level over the total working period.

Identify additional safety measures to protect the operator from the effects of vibration such as: maintain the tool and the accessories, keep the hands warm, organisation of work patterns.

EC-Declaration of Conformity

Machinery Directive

CE

Brushless Cordless Compact Impact Driver DCF887

DEWALT declares that these products described under ***Technical Data*** are in compliance with:
2006/42/EC, EN60745-1:2009+A11:2010, EN60745-2-2:2010.

These products also comply with Directive 2014/30/EU and 2011/65/EU. For more information, please contact DEWALT at the following address or refer to the back of the manual.

The undersigned is responsible for compilation of the technical file and makes this declaration on behalf of DEWALT.

Markus Rompel
Director Engineering
DEWALT, Richard-Klinger-Straße 11,
D-65510, Idstein, Germany
31.05.2017

WARNING: *To reduce the risk of injury, read the instruction manual.*

Definitions: Safety Guidelines

The definitions below describe the level of severity for each signal word. Please read the manual and pay attention to these symbols.

DANGER: *Indicates an imminently hazardous situation which, if not avoided,* ***will*** *result in* ***death or serious injury****.*

WARNING: *Indicates a potentially hazardous situation which, if not avoided,* ***could*** *result in* ***death or serious injury****.*

CAUTION: *Indicates a potentially hazardous situation which, if not avoided,* ***may*** *result in* ***minor or moderate injury****.*

NOTICE: *Indicates a practice* ***not related to personal injury*** *which, if not avoided,* ***may*** *result in* ***property damage****.*

Denotes risk of electric shock.

Denotes risk of fire.

General Power Tool Safety Warnings

WARNING: Read all safety warnings and all instructions. *Failure to follow the warnings and*

Batteries				Chargers/Charge Times (Minutes)					
Cat #	V_{DC}	Ah	Weight kg	DCB107	DCB113	DCB115	DCB118	DCB132	DCB119
DCB546	18/54	6.0/2.0	1.05	270	140	90	60	90	X
DCB547	18/54	9.0/3.0	1.25	420	220	140	85	140	X
DCB181	18	1.5	0.35	70	35	22	22	22	45
DCB182	18	4.0	0.61	185	100	60	60	60	120
DCB183/B	18	2.0	0.40	90	50	30	30	30	60
DCB184/B	18	5.0	0.62	240	120	75	75	75	150
DCB185	18	1.3	0.35	60	30	22	22	22	X
DCB187	18	3.0	0.48	140	70	45	45	45	90

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.*

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.*

Additional Specific Safety Rules for Impact Wrenches/Drivers

- ***Hold power tool by insulated gripping surfaces when performing an operation where the fastener may contact hidden wiring.*** *Fasteners contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.*

Residual Risks

In spite of the application of the relevant safety regulations and the implementation of safety devices, certain residual risks cannot be avoided. These are:

- *Impairment of hearing.*
- *Risk of personal injury due to flying particles.*
- *Risk of burns due to accessories becoming hot during operation.*
- *Risk of personal injury due to prolonged use.*

Electrical Safety

The electric motor has been designed for one voltage only. Always check that the battery pack voltage corresponds to the voltage on the rating plate. Also make sure that the voltage of your charger corresponds to that of your mains.



Your DEWALT charger is double insulated in accordance with EN60335; therefore no earth wire is required.

If the supply cord is damaged, it must be replaced by a specially prepared cord available through the DEWALT service organisation.

Mains Plug Replacement (U.K. & Ireland Only)

If a new mains plug needs to be fitted:

- *Safely dispose of the old plug.*
- *Connect the brown lead to the live terminal in the plug.*
- *Connect the blue lead to the neutral terminal.*



WARNING: *No connection is to be made to the earth terminal.*

Follow the fitting instructions supplied with good quality plugs. Recommended fuse: 3 A.

Using an Extension Cable

An extension cord should not be used unless absolutely necessary. Use an approved extension cable suitable for the power input of your charger (see ***Technical Data***). The minimum conductor size is 1 mm^2; the maximum length is 30 m.

When using a cable reel, always unwind the cable completely.

SAVE THESE INSTRUCTIONS

Chargers

DEWALT chargers require no adjustment and are designed to be as easy as possible to operate.

Important Safety Instructions for All Battery Chargers

SAVE THESE INSTRUCTIONS: This manual contains important safety and operating instructions for compatible battery chargers (refer to ***Technical Data***).

- *Before using charger, read all instructions and cautionary markings on charger, battery pack, and product using battery pack.*

WARNING: *Shock hazard. Do not allow any liquid to get inside charger. Electric shock may result.*

WARNING: *We recommend the use of a residual current device with a residual current rating of 30mA or less.*

CAUTION: *Burn hazard. To reduce the risk of injury, charge only DEWALT rechargeable batteries. Other types of batteries may burst causing personal injury and damage.*

CAUTION: *Children should be supervised to ensure that they do not play with the appliance.*

NOTICE: *Under certain conditions, with the charger plugged into the power supply, the exposed charging contacts inside the charger can be shorted by foreign material. Foreign materials of a conductive nature such as, but not limited to, steel wool, aluminum foil or any buildup of metallic particles should be kept away from charger cavities. Always unplug the charger from the power supply when there is no battery pack in the cavity. Unplug charger before attempting to clean*

- ***DO NOT attempt to charge the battery pack with any chargers other than the ones in this manual.*** *The charger and battery pack are specifically designed to work together.*
- ***These chargers are not intended for any uses other than charging DEWALT rechargeable batteries.*** *Any other uses may result in risk of fire, electric shock or electrocution.*
- ***Do not expose charger to rain or snow.***
- ***Pull by plug rather than cord when disconnecting charger.*** *This will reduce risk of damage to electric plug and cord.*
- ***Make sure that cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.***
- ***Do not use an extension cord unless it is absolutely necessary.*** *Use of improper extension cord could result in risk of fire,electric shock, or electrocution.*
- ***Do not place any object on top of charger or place the charger on a soft surface that might block the ventilation slots and result in excessive internal heat.*** *Place the charger in a position away from any heat source. The charger is ventilated through slots in the top and the bottom of the housing.*
- ***Do not operate charger with damaged cord or plug—*** *have them replaced immediately.*
- ***Do not operate charger if it has received a sharp blow, been dropped, or otherwise damaged in any way.*** *Take it to an authorised service centre.*
- ***Do not disassemble charger; take it to an authorised service centre when service or repair is required.*** *Incorrect reassembly may result in a risk of electric shock, electrocution or fire.*
- *In case of damaged power supply cord the supply cord must be replaced immediately by the manufacturer, its service agent or similar qualified person to prevent any hazard.*
- ***Disconnect the charger from the outlet before attempting any cleaning. This will reduce the risk of electric shock.*** *Removing the battery pack will not reduce this risk.*
- ***NEVER*** *attempt to connect two chargers together.*
- ***The charger is designed to operate on standard 230V household electrical power. Do not attempt to use it on any other voltage.*** *This does not apply to the vehicular charger.*

Charging a Battery (Fig. B)

1. Plug the charger into an appropriate outlet before inserting battery pack.
2. Insert the battery pack **6** into the charger, making sure the battery pack is fully seated in the charger. The red (charging) light will blink repeatedly indicating that the charging process has started.
3. The completion of charge will be indicated by the red light remaining ON continuously. The battery pack is fully charged and may be used at this time or left in the charger. To remove the battery pack from the charger, push the battery release button **5** on the battery pack.

NOTE: To ensure maximum performance and life of lithium-ion battery packs, charge the battery pack fully before first use.

Charger Operation

Refer to the indicators below for the charge status of the battery pack.

Charge Indicators	
Charging	— — — —
Fully Charged	———
Hot/Cold Pack Delay*	— — — | ———

*****The red light will continue to blink, but a yellow indicator light will be illuminated during this operation. Once the battery pack has reached an appropriate temperature, the yellow light will turn off and the charger will resume the charging procedure.

The compatible charger(s) will not charge a faulty battery pack. The charger will indicate faulty battery by refusing to light or by displaying problem pack or charger blink pattern.

NOTE: This could also mean a problem with a charger.

If the charger indicates a problem, take the charger and battery pack to be tested at an authorised service centre.

Hot/Cold Pack Delay

When the charger detects a battery pack that is too hot or too cold, it automatically starts a Hot/Cold Pack Delay, suspending charging until the battery pack has reached an appropriate temperature. The charger then automatically switches to the

pack charging mode. This feature ensures maximum battery pack life.

A cold battery pack will charge at a slower rate than a warm battery pack. The battery pack will charge at that slower rate throughout the entire charging cycle and will not return to maximum charge rate even if the battery pack warms.

The DCB118 charger is equipped with an internal fan designed to cool the battery pack. The fan will turn on automatically when the battery pack needs to be cooled. Never operate the charger if the fan does not operate properly or if ventilation slots are blocked. Do not permit foreign objects to enter the interior of the charger.

Electronic Protection System

XR Li-Ion tools are designed with an Electronic Protection System that will protect the battery pack against overloading, overheating or deep discharge.

The tool will automatically turn off if the Electronic Protection System engages. If this occurs, place the lithium-ion battery pack on the charger until it is fully charged.

Wall Mounting

These chargers are designed to be wall mountable or to sit upright on a table or work surface. If wall mounting, locate the charger within reach of an electrical outlet, and away from a corner or other obstructions which may impede air flow. Use the back of the charger as a template for the location of the mounting screws on the wall. Mount the charger securely using drywall screws (purchased separately) at least 25.4 mm long with a screw head diameter of 7–9 mm, screwed into wood to an optimal depth leaving approximately 5.5 mm of the screw exposed. Align the slots on the back of the charger with the exposed screws and fully engage them in the slots.

Charger Cleaning Instructions

***WARNING: Shock hazard. Disconnect the charger from the AC outlet before cleaning**. Dirt and grease may be removed from the exterior of the charger using a cloth or soft non-metallic brush. Do not use water or any cleaning solutions. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.*

Battery Packs

Important Safety Instructions for All Battery Packs

When ordering replacement battery packs, be sure to include catalogue number and voltage.

The battery pack is not fully charged out of the carton. Before using the battery pack and charger, read the safety instructions below. Then follow charging procedures outlined.

READ ALL INSTRUCTIONS

- ***Do not charge or use battery in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Inserting or removing the battery from the charger may ignite the dust or fumes.*
- ***Never force battery pack into charger. Do not modify battery pack in any way to fit into a non-compatible charger as battery pack may rupture causing serious personal injury.***
- *Charge the battery packs only in DEWALT chargers.*
- ***DO NOT** splash or immerse in water or other liquids.*
- ***Do not store or use the tool and battery pack in locations where the temperature may reach or exceed 40 ˚C (104 ˚F) (such as outside sheds or metal buildings in summer).***
- ***Do not incinerate the battery pack even if it is severely damaged or is completely worn out.** The battery pack can explode in a fire. Toxic fumes and materials are created when lithium-ion battery packs are burned.*
- ***If battery contents come into contact with the skin, immediately wash area with mild soap and water.** If battery liquid gets into the eye, rinse water over the open eye for 15 minutes or until irritation ceases. If medical attention is needed, the battery electrolyte is composed of a mixture of liquid organic carbonates and lithium salts.*
- ***Contents of opened battery cells may cause respiratory irritation.** Provide fresh air. If symptoms persists, seek medical attention.*

***WARNING:** Burn hazard. Battery liquid may be flammable if exposed to spark or flame.*

***WARNING:** Never attempt to open the battery pack for any reason. If battery pack case is cracked or damaged, do not insert into charger. Do not crush, drop or damage battery pack. Do not use a battery pack or charger that has received a sharp blow, been dropped, run over or damaged in any way (i.e., pierced with a nail, hit with a hammer, stepped on). Electric shock or electrocution may result. Damaged battery packs should be returned to service centre for recycling.*

***WARNING: Fire hazard. Do not store or carry the battery pack so that metal objects can contact exposed battery terminals.** For example, do not place the battery pack in aprons, pockets, tool boxes, product kit boxes, drawers, etc., with loose nails, screws, keys, etc.*

***CAUTION: When not in use, place tool on its side on a stable surface where it will not cause a tripping or falling hazard.** Some tools with large battery packs will stand upright on the battery pack but may be easily knocked over.*

Transportation

***WARNING: Fire hazard.** Transporting batteries can possibly cause fire if the battery terminals inadvertently come in contact with conductive materials. When transporting batteries, make sure that the battery terminals are protected and well insulated from materials that could contact them and cause a short circuit.*

DEWALT batteries comply with all applicable shipping regulations as prescribed by industry and legal standards which include UN Recommendations on the Transport of Dangerous Goods; International Air Transport Association (IATA) Dangerous Goods Regulations, International Maritime Dangerous Goods (IMDG) Regulations, and the European Agreement Concerning

The International Carriage of Dangerous Goods by Road (ADR). Lithium-ion cells and batteries have been tested to section 38.3 of the UN Recommendations on the Transport of Dangerous Goods Manual of Tests and Criteria.

In most instances, shipping a DEWALT battery pack will be excepted from being classified as a fully regulated Class 9 Hazardous Material. In general, only shipments containing a lithium-ion battery with an energy rating greater than 100 Watt Hours (Wh) will require being shipped as fully regulated Class 9. All lithium-ion batteries have the Watt Hour rating marked on the pack. Furthermore, due to regulation complexities, DEWALT does not recommend air shipping lithium-ion battery packs alone regardless of Watt Hour rating. Shipments of tools with batteries (combo kits) can be air shipped as excepted if the Watt Hour rating of the battery pack is no greater than 100 Whr.

Regardless of whether a shipment is considered excepted or fully regulated, it is the shipper's responsibility to consult the latest regulations for packaging, labeling/marking and documentation requirements.

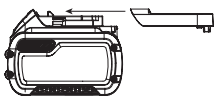
The information provided in this section of the manual is provided in good faith and believed to be accurate at the time the document was created. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with the applicable regulations.

Transporting the FLEXVOLT™ Battery

The DEWALT FLEXVOLT™ battery has two modes: **Use** and **Transport**.

Use Mode: When the FLEXVOLT™ battery stands alone or is in a DEWALT 18V product, it will operate as an 18V battery. When the FLEXVOLT™ battery is in a 54V or a 108V (two 54V batteries) product, it will operate as a 54V battery.

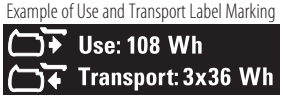
Transport Mode: When the cap is attached to the FLEXVOLT™ battery, the battery is in Transport mode. Keep the cap for shipping.



When in Transport mode, strings of cells are electrically disconnected within the pack resulting in 3 batteries with a lower Watt hour (Wh) rating as compared to 1 battery with a higher Watt hour rating. This increased quantity of 3 batteries with the lower Watt hour rating can exempt the pack from certain shipping regulations that are imposed upon the higher Watt hour batteries.

For example, the Transport Wh rating might indicate 3 x 36 Wh, meaning 3 batteries of 36 Wh each. The Use Wh rating might indicate 108 Wh (1 battery implied).

Example of Use and Transport Label Marking



Storage Recommendations

1. The best storage place is one that is cool and dry away from direct sunlight and excess heat or cold. For optimum battery performance and life, store battery packs at room temperature when not in use.
2. For long storage, it is recommended to store a fully charged battery pack in a cool, dry place out of the charger for optimal results.

NOTE: Battery packs should not be stored completely depleted of charge. The battery pack will need to be recharged before use.

Labels on Charger and Battery Pack

In addition to the pictographs used in this manual, the labels on the charger and the battery pack may show the following pictographs:



Read instruction manual before use.



See ***Technical Data*** for charging time.



Do not probe with conductive objects.



Do not charge damaged battery packs.



Do not expose to water.



Have defective cords replaced immediately.



Charge only between 4 °C and 40 °C.



Only for indoor use.



Discard the battery pack with due care for the environment.



Charge DEWALT battery packs only with designated DEWALT chargers. Charging battery packs other than the designated DEWALT batteries with a DEWALT charger may make them burst or lead to other dangerous situations.



Do not incinerate the battery pack.



USE (without transport cap). Example: Wh rating indicates 108 Wh (1 battery with 108 Wh).



TRANSPORT (with built-in transport cap). Example: Wh rating indicates 3 x 36 Wh (3 batteries of 36 Wh).

Battery Type

The DCF887 operates on an 18 volt battery pack.

These battery packs may be used: DCB181, DCB182, DCB183, DCB183B, DCB184, DCB184B, DCB185, DCB187, DCB546, DCB547. Refer to ***Technical Data*** for more information.

Package Contents

The package contains:

1 Impact driver
1 Charger
1 Li-Ion battery pack (M1, L1, C1, P1, D1, D1B models)
2 Li-Ion battery packs (M2, L2, C2, P2, D2, D2B models)
3 Li-Ion battery packs (M3, L3, C3, P3, D3, D3B models)
1 Magnetic bit holder
1 Belt hook
1 Kitbox
1 Instruction manual
1 Tool Connect™ App instruction manual (B models)

NOTE: Battery packs, chargers and kitboxes are not included with N-models.

- *Check for damage to the tool, parts or accessories which may have occurred during transport.*
- *Take the time to thoroughly read and understand this manual prior to operation.*

Markings on Tool

The following pictograms are shown on the tool:


Read instruction manual before use.


Visible radiation. Do not stare into light.

Date Code Position

The date code, which also includes the year of manufacture, is printed into the housing.

Example:

2017 XX XX
Year of Manufacture

Description (Fig. A)

WARNING: *Never modify the power tool or any part of it. Damage or personal injury could result.*

1 Trigger switch
2 Forward/reverse control button
3 Chuck collar
4 6.35 mm hex chuck
5 Battery release button
6 Battery pack
7 Worklights
8 Belt hook (optional accessory)
9 Mounting screw
10 Main handle
11 Mode selector
12 Magnetic bit holder

Intended Use

This impact driver is designed for professional impact screwdriving applications. The impact function makes this tool particularly useful for driving fasteners in wood, metal and concrete.

DO NOT use under wet conditions or in the presence of flammable liquids or gases.

This impact driver is a professional power tool.

DO NOT let children come into contact with the tool. Supervision is required when inexperienced operators use this tool.

- **Young children and the infirm.** This appliance is not intended for use by young children or infirm persons without supervision.
- This product is not intended for use by persons (including children) suffering from diminished physical, sensory or mental abilities; lack of experience, knowledge or skills unless they are supervised by a person responsible for their safety. Children should never be left alone with this product.

ASSEMBLY AND ADJUSTMENTS

WARNING: To reduce the risk of serious personal injury, turn tool off and disconnect battery pack before making any adjustments or removing/ installing attachments or accessories. *An accidental start-up can cause injury.*

WARNING: *Use only DEWALT battery packs and chargers.*

Inserting and Removing the Battery Pack from the Tool (Fig. B)

NOTE: Make sure your battery pack 6 is fully charged.

To Install the Battery Pack into the Tool Handle

1. Align the battery pack 6 with the rails inside the tool's handle (Fig. B).
2. Slide it into the handle until the battery pack is firmly seated in the tool and ensure that you hear the lock snap into place.

To Remove the Battery Pack from the Tool

1. Press the release button 5 and firmly pull the battery pack out of the tool handle.
2. Insert battery pack into the charger as described in the charger section of this manual.

Fuel Gauge Battery Packs (Fig. B)

Some DEWALT battery packs include a fuel gauge which consists of three green LED lights that indicate the level of charge remaining in the battery pack.

To actuate the fuel gauge, press and hold the fuel gauge button 13. A combination of the three green LED lights will illuminate designating the level of charge left. When the level of charge in the battery is below the usable limit, the fuel gauge will not illuminate and the battery will need to be recharged.

NOTE: The fuel gauge is only an indication of the charge left on the battery pack. It does not indicate tool functionality and is subject to variation based on product components, temperature and end-user application.

Belt Hook and Magnetic Bit Holder (Fig. A)

WARNING: To reduce the risk of serious personal injury, turn tool off and disconnect battery pack before making any adjustments or removing/ installing attachments or accessories.

WARNING: To reduce the risk of serious personal injury, DO NOT *suspend tool overhead or suspend objects from the belt hook.* ***ONLY*** *hang tool's belt hook from a work belt.*

WARNING: To reduce the risk of serious personal injury, *ensure the screw holding the belt hook is secure.*

IMPORTANT: When attaching or replacing the belt hook or magnetic bit holder, use only the screw **9** that is provided. Be sure to securely tighten the screw.

The belt hook **8** and magnetic bit holder **12** can be attached to either side of the tool using only the screw **9** provided, to accommodate left- or right- handed users. If the hook or magnetic bit holder is not desired at all, it can be removed from the tool.

To move belt hook or magnetic bit holder, remove the screw **9** that holds it in place then reassemble on the opposite side. Be sure to securely tighten the screw.

OPERATION

Instructions for Use

WARNING: *Always observe the safety instructions and applicable regulations.*

WARNING: To reduce the risk of serious personal injury, turn tool off and disconnect battery pack before making any adjustments or removing/ installing attachments or accessories. *An accidental start-up can cause injury.*

Proper Hand Position (Fig. C)

WARNING: *To reduce the risk of serious personal injury,* ***ALWAYS*** *use proper hand position as shown.*

WARNING: *To reduce the risk of serious personal injury,* ***ALWAYS*** *hold securely in anticipation of a sudden reaction.*

Proper hand position requires one hand on the main handle **10**.

Variable Speed Trigger Switch (Fig. A)

To turn the tool on, squeeze the trigger switch **1**. To turn the tool off, release the trigger switch. Your tool is equipped with a brake. The tool will stop when the trigger switch is fully released.

The variable speed switch enables you to start the application at a slow speed. The further you squeeze the trigger, the faster the tool will operate. For maximum tool life, use variable speed only for starting holes or fasteners.

NOTE: Continuous use in variable speed range is not recommended. It may damage the switch and should be avoided.

Forward/Reverse Control Button (Fig. A)

A forward/reverse control button **2** determines the direction of the tool and also serves as a lock-off button.

To select forward rotation, release the trigger switch **1** and depress the forward/reverse control button **2** on the right side of the tool.

To select reverse, release the trigger switch **1** and depress the forward/reverse control button **2** on the left side of the tool. The centre position of the control button locks the trigger switch in the off position. When changing the position of the control button, be sure the trigger is released.

NOTE: The first time the tool is run after changing the direction of rotation, you may hear a click on start up. This is normal and does not indicate a problem.

Worklights (Fig. A)

There are three worklights **7** located around the 6.35 mm hex chuck **4**. The worklights are activated when the trigger switch is depressed.

When the trigger is released, the worklight will stay illuminated for up to 20 seconds.

NOTE: The worklights are for lighting the immediate work surface and are not intended to be used as a flashlight.

Mode Selector (Fig. A, D)

Your tool is equipped with a mode selector **11** which allows you to select one of three modes. Select the mode based on the application and control the speed of the tool using the variable speed trigger switch **1**.

Precision Drive (Fig. D)

In addition to normal impacting modes, this tool features the Precision Drive mode which enables greater control in lighter applications to avoid damage to materials or fasteners. It is ideal for light applications such as cabinet hinge screws or machine screws. Precision Drive mode will work as a screwdriver in light applications, before hesitating as the screw head reaches the work piece, and then (if required) start a slow controlled impact to ensure the head ends perfectly flush.

NOTE: This mode is for light duty screwdriving applications. If the tool will not drive a fastener in Precision Mode, please select mode 2 which will give the additional power required.

DCF887

Mode 1	Precision Drive	rpm	0–1000
Mode 2	Normal Impacting	rpm	0–2800
Mode 3	High Speed Impacting	rpm	0–3250

Quick-Release Chuck (Fig. B, E, F)

WARNING: *Use only impact accessories. Non-impact accessories may break and cause a hazardous condition. Inspect accessory prior to use to ensure that it contains no cracks.*

NOTE: The chuck accepts 6.35 mm hex accessories only.

Place the forward/reverse button **2** in the lock-off (centre) position or remove battery pack before changing accessories.

To install an accessory, fully insert the accessory. The accessory is locked into place (Fig. E).

To remove an accessory, pull the chuck collar 3 away from the front of the tool. Remove the accessory (Fig. F).

Usage

Your impact tool generates the following maximum torque:

Cat #	Nm
DCF887	205

CAUTION: *Ensure fastener and/or system will withstand the level of torque generated by the tool. Excessive torque may cause breakage and possible personal injury.*

1. Place the accessory into the chuck. Keep the tool pointed straight at the work piece.
2. Press switch to start operation. Release the switch to stop operation. Always check torque with a torque wrench, as the fastening torque is affected by many factors including the following:
   a. Voltage: Low voltage, due to a nearly discharged battery, will reduce fastening torque.
   b. Socket size: Failure to use the correct socket size will cause a reduction in fastening torque.
   c. Bolt Size: Larger bolt diameters generally require higher fastening torque. Fastening torque will also vary according to length, grade, and torque coefficient.
   d. Bolt: Ensure that all threads are free of rust and other debris to allow proper fastening torque.
   e. Material: The type of material and surface finish of the material will affect fastening torque.
   f. Fastening Time: Longer fastening time results in increased fastening torque. Using a longer fastening time than recommended could cause the fasteners to be overstressed, stripped or damaged.

MAINTENANCE

Your DEWALT power tool has been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper tool care and regular cleaning.

WARNING: To reduce the risk of serious personal injury, turn tool off and disconnect battery pack before making any adjustments or removing/ installing attachments or accessories. *An accidental start-up can cause injury.*

The charger and battery pack are not serviceable.

Lubrication

Your power tool requires no additional lubrication.

Cleaning

WARNING: *Blow dirt and dust out of the main housing with dry air as often as dirt is seen collecting in and around the air vents. Wear approved eye protection and approved dust mask when performing this procedure.*

WARNING: *Never use solvents or other harsh chemicals for cleaning the non-metallic parts of the tool. These chemicals may weaken the materials used in these parts. Use a cloth dampened only with water and mild soap. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.*

Charger Cleaning Instructions

WARNING: *Shock hazard. Disconnect the charger from the AC outlet before cleaning. Dirt and grease may be removed from the exterior of the charger using a cloth or soft non-metallic brush. Do not use water or any cleaning solutions.*

Optional Accessories

WARNING: *Since accessories, other than those offered by DEWALT, have not been tested with this product, use of such accessories with this tool could be hazardous. To reduce the risk of injury, only DEWALT recommended accessories should be used with this product.*

Consult your dealer for further information on the appropriate accessories.

Protecting the Environment

Separate collection. Products and batteries marked with this symbol must not be disposed of with normal household waste.

Products and batteries contain materials that can be recovered or recycled reducing the demand for raw materials. Please recycle electrical products and batteries according to local provisions. Further information is available at **www.2helpU.com**.

Rechargeable Battery Pack

This long life battery pack must be recharged when it fails to produce sufficient power on jobs which were easily done before. At the end of its technical life, discard it with due care for our environment:

- Run the battery pack down completely, then remove it from the tool.
- Li-Ion cells are recyclable. Take them to your dealer or a local recycling station. The collected battery packs will be recycled or disposed of properly.

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