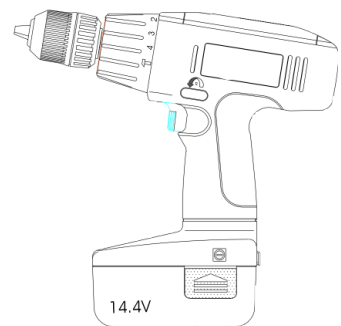


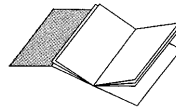
Ⓞ Operating Instructions  
Cordless-hammer-drill/Screwdriver  
with Adjustable Torque

**POWER  
CRAFT®**



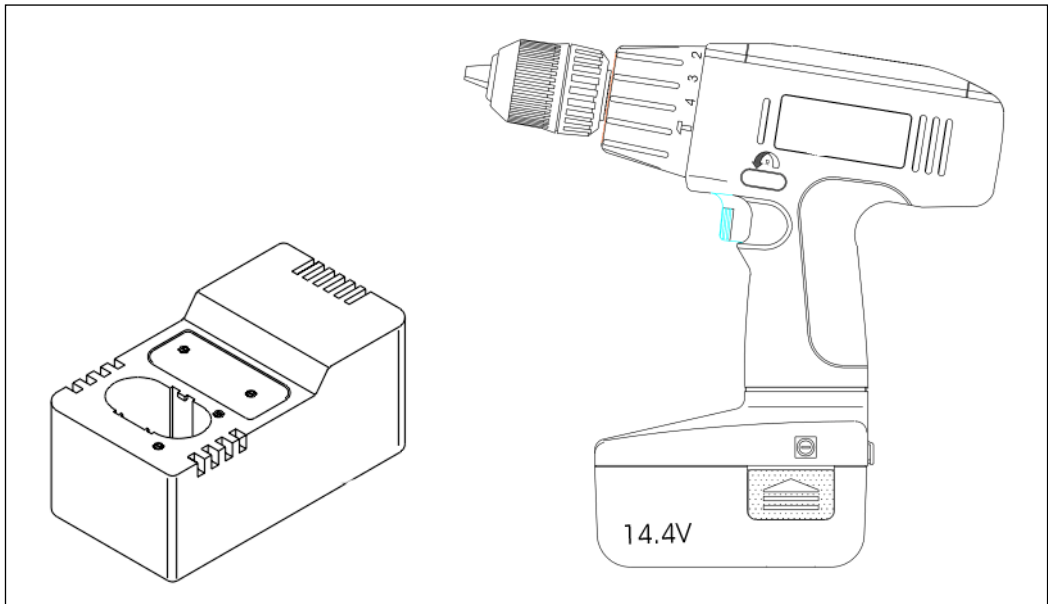
Art.-No.: 45.195.52

**CHD 14,4**



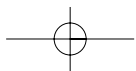
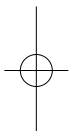
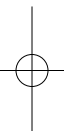
Ⓞ **Important:** Read and note the operating instructions and safety regulations before using!

Ⓞ Please pull out pages 2-3



Ⓞ **Items supplied:**

- 1 cordless-hammer-drill/  
screwdriver
- 1 removable battery pack
- 1 battery charger
- 1 blow mould case
- 2 bits



**GB****Tool illustration:****Figure 1: Torque adjustment facility****Figure 2: Bit holder****Figure 3: Forward / Reverse selector switch****Figure 4: On/Off switch****Figure 5: Removable battery pack; press both clips to take out the battery pack****Important notes:**

It is imperative to read these notes before putting your cordless-hammer-drill/screwdriver into operation:

1. The removable Ni-Cd battery pack supplied with your cordless-hammer drill/screwdriver has to be charged before you use the tool for the first time.
2. Charge the battery pack with the supplied charger. It takes approx. 1 hour to charge an empty battery. Never use the supplied charger to charge any other tools or appliances.
3. The battery pack reaches its maximum capacity after approx. five discharge/charge cycles.
4. Ni-Cd batteries will also discharge when they are not in use. It is recommended, therefore, to charge the batteries regularly.
5. Please note the data quoted on the rating plate of the battery charger. Operate the charger only from the same mains voltage as that quoted on the rating plate.
6. In periods of heavy duty the battery pack will grow warm. Allow the battery pack to cool to room temperature before starting to charge it.

**Safety regulations:**

1. Protect your cordless-hammer-drill/screwdriver and charger from the damp and rain.
2. Keep the charger and cordless-hammer-drill/screwdriver safe from children.
3. Use only sharp drill bits and undamaged, properly fitting screwdriver bits.
4. Wear suitable working clothes and safety goggles.
5. Never use the cordless-hammer-drill/screwdriver and charger in the vicinity of vapours and combustible liquids.
6. Look for concealed electric cables, gas pipes and water pipes before drilling and screwdriving in walls.
7. Never throw old batteries into an open fire. Risk of explosion!

8. Old and defective batteries do not belong in the refuse bin. Think of the environment! Cadmium is toxic. For correct disposal, take them to your local old battery depot. Ask at your town hall for details of the old battery depots in your area.
9. Avoid contact with leaky batteries. Should contact arise nevertheless, wash the affected area of skin immediately with soap and water. If battery acid gets in your eye, rinse the eye with clear water for at least 10 minutes and consult a doctor immediately.
10. Protect the charger and its cable from damage and sharp edges. Damaged cables are to be replaced immediately by an electrician.
11. Examine your tool for any signs of damage. Have repairs carried out only by an electrician.
12. Make sure that the contacts of the Ni-Cd battery pack do not touch other metallic objects, e.g. nails and screws. Risk of short-circuiting!

**Putting into operation:****Loading the Ni-Cd battery pack**

1. Pull the battery pack out of the handle (Figure 5) by depressing the clips on the side.
2. Check that your mains voltage is the same as that quoted on the rating plate. Insert the plug in a socket-outlet.
3. Insert the battery pack in the charging adapter. The red LED indicates that the battery pack is being charged. It takes a maximum of 1 hour to charge an empty battery. The green LED indicates that the battery pack is fully charged. The battery pack may grow warm while it is being charged. This is normal.

If the battery pack fails to become charged, please check

- whether there is voltage at the socket-outlet
- whether there is proper contact at the charging contacts on the charger.

If the battery still fails to become charged, please return

- the charger
  - the battery pack
- to our Customer Service Department.

Timely recharging of the Ni-Cd battery pack is recommended in the interest of long battery life. Recharging is always necessary when you notice that the power of the cordless-hammer-drill/screwdriver is decreasing.

Never allow the battery pack to discharge completely. This will result in damage to the Ni-Cd battery pack!

### Adjusting the torque (Figure 1)

The Powercraft cordless-hammer-drill/screwdriver is equipped with a 5-step mechanical torque adjustment facility. The torque for a specific size of screw is selected with the set-collar (Figure 1). The correct torque depends on several factors:

- on the type and hardness of material in question
- on the type and length screws used
- on the requirements needing to be met by the screwed joint.

The clutch disengages with the rotating ratchet sound to indicate when the set torque is reached.

### Drilling

For drilling purposes, move the set-collar to the step 4 (Figure 1). The maximum torque is available in drilling mode.

### Hammering

For hammering/drilling purposes, move the set-collar to the step „hammer“ (Figure 1).

### Forward/Reverse switch (Figure 3)

With the slide switch above the On/Off switch you can select the direction of rotation of the cordless-drill/screwdriver and secure it against being switched on accidentally. You can choose between clockwise and anticlockwise rotation. To avoid causing damage to the gearing it is advisable to change the direction of rotation only when the tool is at a standstill. The On/Off switch is blocked when the slide switch is in centre position.

### On/Off switch (Figure 4)

Infinitely variable speed control is possible with the On/Off switch. The further you press the switch, the higher the speed of the cordless-hammer-drill/screwdriver.

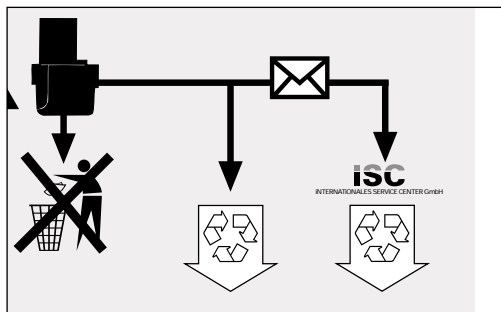
### Screwdriving

We recommend using self-centering screws (e.g. Torx screws, recessed head screws) designed for reliable working. Be sure to use a bit that matches the screw in shape and size. Set the torque, as described elsewhere in these operating instructions, to suit the size of screw.

### Technical data

Voltage supply	14,4 V =
Speed	0-650 rpm
Torque	5 levels
Forward and reverse rotation	yes
Chuck clamping diameter	1.0 - 10 mm
blows/minute	5200
Battery charging voltage	16,8 V =
Battery charging current	1,4 A
Mains voltage for charger	230 V ~ 50 Hz
Sound pressure level LPA:	72 dB(A)
Sound power level LWA:	82 dB(A)
Vibration $\bar{a}_w$	< 2,5 m/s <sup>2</sup>

Vibrations are measured according ISO 8662-8.



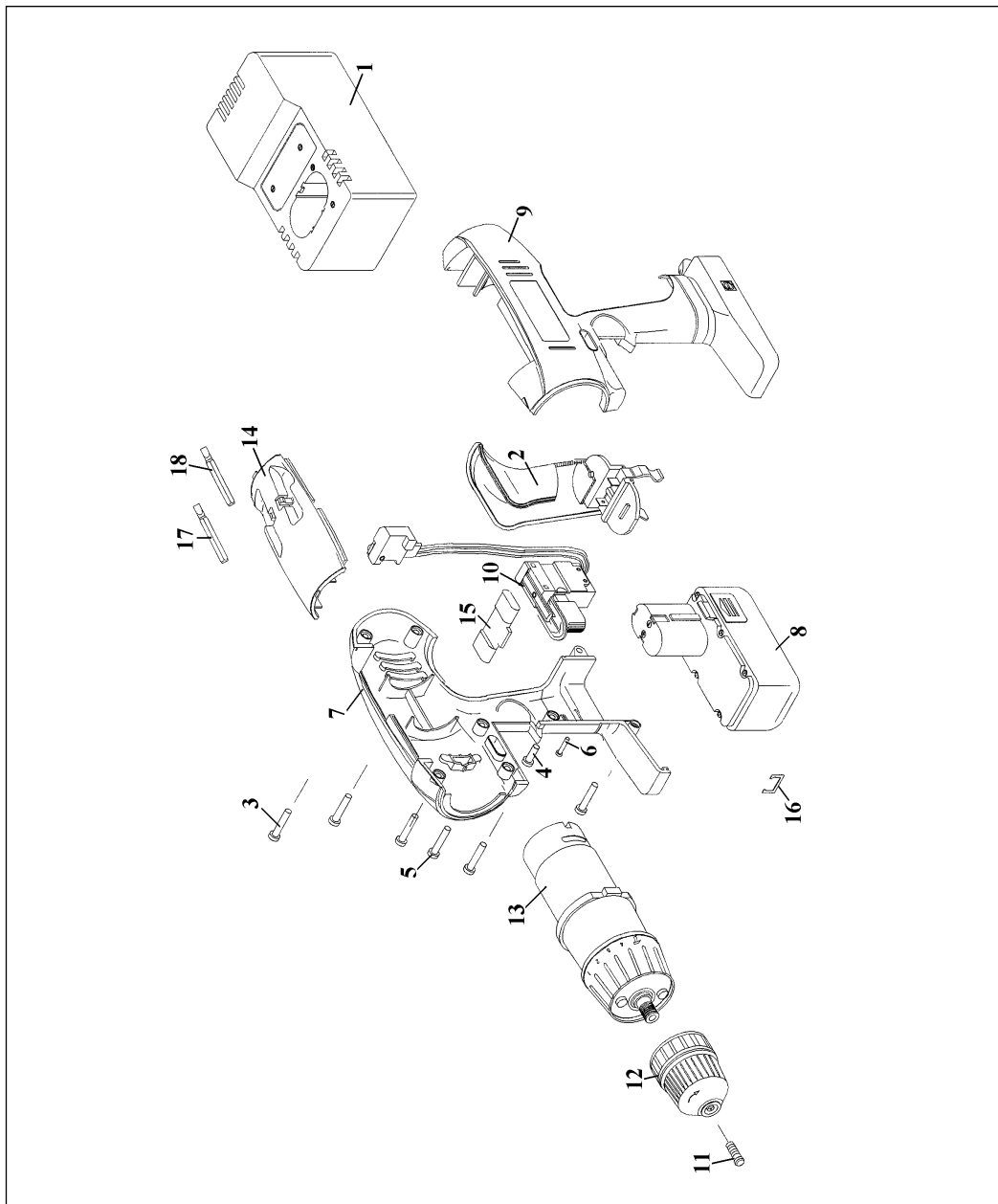
Old and defective batteries do not belong in the refuse bin. Think of the environment! Cadmium is toxic. For correct disposal, take them to your local old battery depot. Ask at your town hall for details of the old battery depots in your area.

## Replacement parts drawing

Cordless-hammer-drill/Screwdriver CHD 14,4

Art.-No.: 45.195.52 I.-No.: 91019

Ⓢ When ordering replacement parts, please quote the replacement part numbers of the parts you need.



## Replacement parts list

### Cordless-hammer-drill/Screwdriver CHD 14,4 Art.-No.: 45.195.52 Ident-No. 91019

Item	Description	RP No.
01	Charger	45.195.52.01
02	Handle part with battery contact	45.195.52.02
03	Housing screw 3.5x18	45.196.43.02
04	Housing screw 3.5x12	45.196.43.03
05	Screw 3x18	45.196.12.05
06	Screw 3x12	45.196.12.06
07	Right half of housing	45.195.52.03
08	Battery pack 14.4 V	45.115.35
09	Left half of housing	45.195.52.05
10	Switch	45.196.40.05
11	Lock screw M5x23	45.195.52.06
12	Quick-change chuck	45.195.52.07
13	Drive unit	45.195.52.08
14	Housing lid	45.196.40.08
15	Switching element	45.196.42.07
16	Clip B	45.126.10.11
17	Screwdriver bit	45.195.52.09
18	Screwdriver bit	45.195.52.10

<b>(D)</b>	<b>EG Konformitätserklärung</b> Der Unterzeichnende erklärt im Namen der Firma	<b>(GB)</b>	<b>EC Declaration of Conformity</b> The Undersigned declares, on behalf of	<b>(F)</b>	<b>Déclaration de Conformité CE</b> Le soussigné déclare, au nom de	<b>(NL)</b>	<b>EC Conformiteitsverklaring</b> De ondertekenaar verklaart in naam van de firma	<b>(E)</b>	<b>Declaracion CE de Conformidad</b> Por la presente, el abajo firmante declara en nombre de la empresa	<b>(P)</b>	<b>Declaração de conformidade CE</b> O abaixo assinado declara em nome da empresa
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**ISC GmbH - Eschenstraße 6 · D-94405 Landau/Isar**

<b>daß die</b>	<b>that the</b>	<b>que</b>	<b>dat de</b>	<b>que ella</b>	<b>que</b>
<b>Maschine/Produkt</b>	<b>Machine / Product</b>	<b>la machine / le produit</b>	<b>machine/product</b>	<b>máquina/producto</b>	<b>a máquina/producto</b>
<b>Akku-Schlag-Bohrschrauber</b>	<b>Electronic battery-powered screw drill/hammer</b>	<b>Foreuse à visser électronique à accumulateur</b>	<b>Electronische accu-boorschroover</b>	<b>Taladro alornillador electrónico</b>	<b>Furadeira aparatusadora electrónica de acumulador</b>
<b>Marke</b>	<b>produced by:</b>	<b>du fabricant</b>	<b>merk</b>	<b>marca</b>	<b>marca</b>



<b>Type</b>	<b>Type</b>	<b>Type</b>	<b>tipo</b>	<b>tipo</b>	<b>tipo</b>
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**CHD 14,4**

<ul style="list-style-type: none"> <li>- Seriennummer auf dem Produkt -</li> <li><input checked="" type="checkbox"/> EG Niederspannungsrichtlinie 73/23 EWG</li> <li><input checked="" type="checkbox"/> EG Richtlinie Elektromagnetische Verträglichkeit 89/336 EWG mit Änderungen entspricht.</li> </ul>	<ul style="list-style-type: none"> <li>- no. série indiqué sur le produit - correspond(ent) à la</li> <li><input checked="" type="checkbox"/> Directive CE relative aux basses tensions 73/23 CEE;</li> <li><input checked="" type="checkbox"/> Directive CE relative à la compatibilité électromagnétique 89/336 CEE avec les modifications y apportées.</li> </ul>	<ul style="list-style-type: none"> <li>- seriennummer op het product- conform de volgende richtlijnen is:</li> <li><input checked="" type="checkbox"/> EG laagspanningsrichtlijn 73/23 EWG</li> <li><input checked="" type="checkbox"/> EG richtlijn Elektromagnetische compatibiliteit 89/336 EWG met wijzigingen</li> </ul>	<ul style="list-style-type: none"> <li>- No. de serie en el producto: satisfase las disposiciones pertinentes siguientes:</li> <li><input checked="" type="checkbox"/> Disposición de baja tensión de la CE 73/23 CEE</li> <li><input checked="" type="checkbox"/> Disposición de la compatibilidad electromagnética de la CE 89/336 CEE con modificaciones.</li> </ul>	<ul style="list-style-type: none"> <li>- cujo número de série encontra-se no produto - corresponde à</li> <li><input checked="" type="checkbox"/> Directiva da CE de baixa tensão 73/23 CEE</li> <li><input checked="" type="checkbox"/> Directiva da CE de compatibilidade electromagnética 89/336 CEE, com alterações</li> </ul>
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**HD 400.1; HD 400.2; EN 50082-1; EN 55014; EN 60555-2; EN 60555-3**

<b>Landau/Isar, den</b>	<b>Landau/Isar, (date)</b>	<b>Landau/Isar, datum</b>	<b>Landau/Isar</b>	<b>Landau/Isar</b>
01.02.1999	01.02.1999	01.02.1999	01.02.1999	01.02.1999
Produkt-Management	Produkt-Management	Produkt-Management	Produkt-Management	Produkt-Management



## **GB WARRANTY CERTIFICATE**

The guarantee period begins on the sales date and is valid for 1 year.

Responsibility is assumed for faulty construction or material or functional defects.

Any necessary replacement parts and necessary repair work are free of charge.

We do not assume responsibility for consequential damage. Your statutory rights are not affected.

Your customer service partner

Service UK:

**GB** Hans Einhell AG, UK Branch  
32, Craven Court  
Winwick Quay  
**Warrington**  
**Cheshire**  
**WA2 8QU**  
**Telephone: 01 925 419400**  
**Facsimile: 01 925 419292**

Technical specification subject to change

EH 01/99