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PRO

GVC18V-25-120D

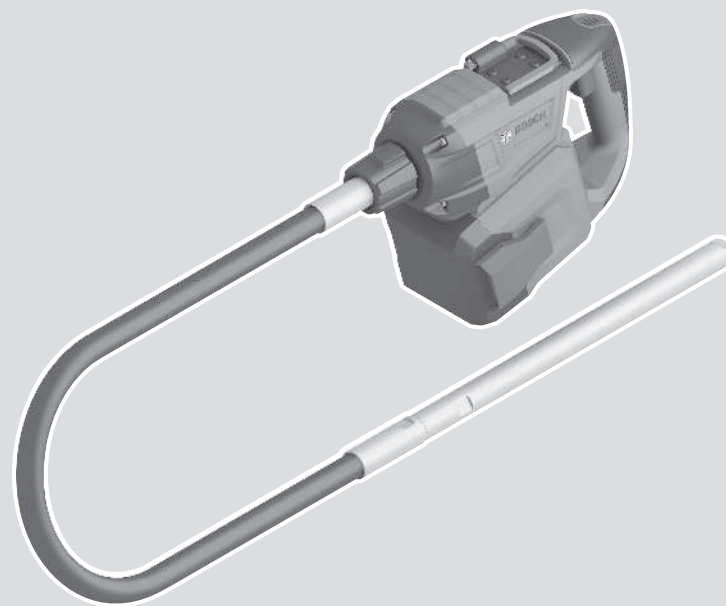
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sl Izvirna navodila



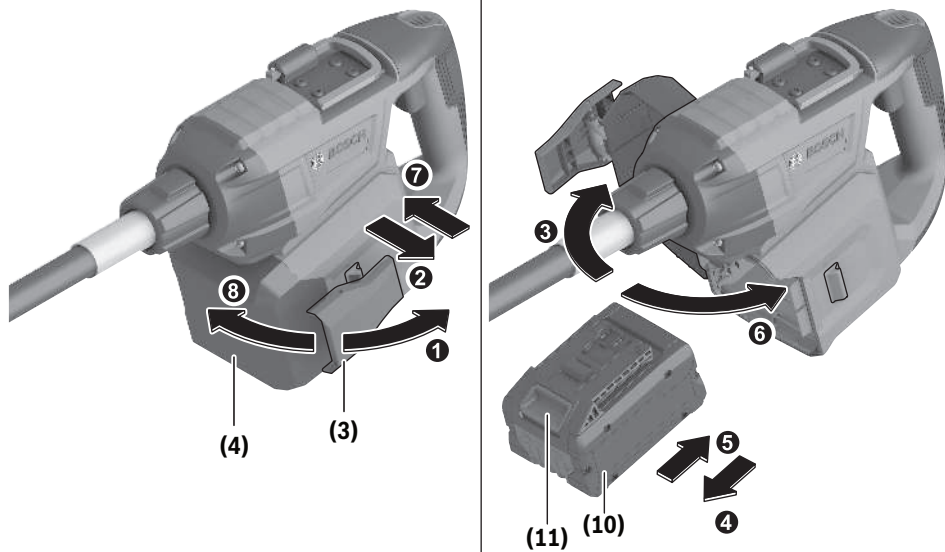
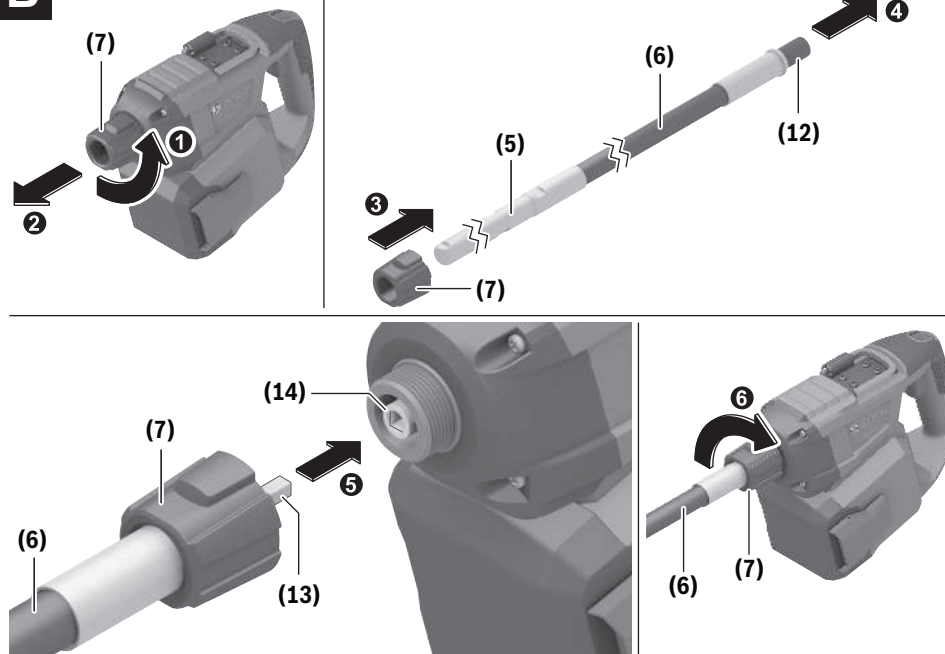
SlovenščinaStran 6

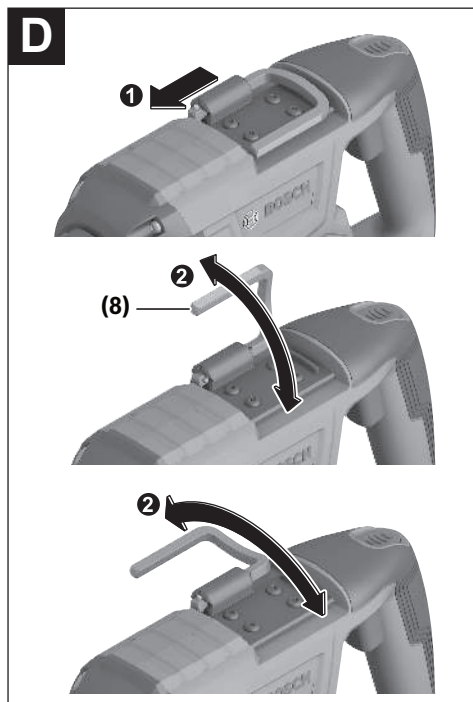




GVC18V-25-120D

A

**B**



Slovenščina

Varnostna opozorila

Splošna varnostna navodila za električna orodja

⚠ OPOZORILO Preberite vsa varnostna opozorila, navodila, ilustracije in

specifikacije, ki so priložene temu električnemu orodju.

Če spodaj navedenih napotkov ne upoštevate, lahko pride do električnega udara, požara in/ali težke poškodbe.

Vsa opozorila in napotke shranite, ker jih boste v prihodnje še potrebovali.

Pojem električno orodje, ki se pojavlja v nadaljnjem besedilu, se nanaša na električna orodja z električnim pogonom (z električnim kablom) in na akumulatorska električna orodja (brez električnega kabla).

Varnost na delovnem mestu

- ▶ **Delovno mesto naj bo vedno čisto in dobro osvetljeno.** Nered in neosvetljena delovna mesta povečajo možnost nezgod.
- ▶ **Električnega orodja ne uporabljajte v okolju, v katerem lahko pride do eksplozij (prisotnost vnetljivih tekočin, plinov ali prahu).** Električna orodja povzročajo iskenje, zaradi katerega se lahko prah ali hlapi vnamejo.
- ▶ **Ko uporabljate električno orodje, poskrbite, da v bližini ni otrok ali drugih oseb.** Odvrčanje pozornosti lahko povzroči izgubo nadzora nad orodjem.

Električna varnost

- ▶ **Prosimo, da napravo zavarujete pred dežjem ali vlago.** Vdor vode v električno orodje povečuje tveganje za električni udar.

Osebnostna varnost

- ▶ **Bodite pozorni, pazite kaj delate ter se dela z električnim orodjem lotite z razumom.** Ne uporabljajte električnega orodja, če ste utrujeni oziroma če ste pod vplivom mamil, alkohola ali zdravil. Trenutek nepazljivosti pri uporabi električnega orodja je lahko vzrok za resne telesne poškodbe.
- ▶ **Uporabljajte osebno zaščitno opremo.** Vedno uporabljajte zaščito za oči. Z uporabo zaščitne opreme, kot so protiprašna maska, varnostni čevlji, ki ne drsijo, čelada ali zaščita za sluh, v ustreznih okoliščinah zmanjšate nevarnost poškodb.
- ▶ **Preprečite nenameren vklop orodja.** Pred priključitvijo električnega orodja na električno omrežje in/ali na akumulatorsko baterijo in pred dviganjem ali nošenjem se prepričajte, da je električno orodje izklopljeno. Če električno orodje nosite in imate pri tem prst na stikalu ali pa orodje napajate, ko je stikalo v položaju za vklop, lahko pride do nesreče.
- ▶ **Odstranite vse ključne in izvijače za prilagajanje orodja, preden orodje vključite.** Ključ ali izvijač, ki ga ne

odstranite z vrtečega se dela električnega orodja, lahko povzroči telesne poškodbe.

- ▶ **Ne precenjujte svojih sposobnosti.** **Ves čas trdno stojte in vzdržujte ravnovesje.** To omogoča boljši nadzor nad električnim orodjem v nepričakovanih situacijah.
- ▶ **Bodite primerno oblečeni.** Ne nosite ohlapnih oblačil ali nakita. Las in oblačil ne približujte premikajočim se delom. Ohlapna oblačila, nakit ali dolgi lasje se lahko ujamejo v premikajoče se dele.
- ▶ **Če imate na voljo naprave za priklop sesalnika za prah ali zbiralnih posod, se prepričajte, da so te ustrezno priključene.** Uporaba sistema za zbiranje prahu lahko zmanjša nevarnosti, povezane s prahom.
- ▶ **Naj seznanjenost z orodjem, ki jo pridobite s pogosto uporabo, ne bo razlog za to, da postanete lahkomišeln in ignorirate varnostna načela.** V delčku sekunde lahko nepozorno dejanje pripelje do hude poškodbe.

Uporaba in vzdrževanje električnega orodja

- ▶ **Električnega orodja ne preobremenjujte.** Za delo uporabite ustrezno električno orodje. Pravo električno orodje bo delo opravilo bolje in varneje, in sicer s hitrostjo, za katero je bilo oblikovano.
- ▶ **Električnega orodja ne uporabljajte, če ga s stikalom ne morete vklopiti in izklopiti.** Vsako električno orodje, ki ga ni mogoče nadzirati s stikalom, je nevarno in ga je treba popraviti.
- ▶ **Izvlomite vtič iz vtičnice in/ali odstranite akumulatorsko baterijo, če je le mogoče, in odstranite ter shranite pribor, še preden se lotite popravila orodja.** Ti preventivni varnostni ukrepi zmanjšajo tveganje za nenamerni zagon aparata.
- ▶ **Ko električnih orodij ne uporabljajte, jih shranite izven dosega otrok.** Osebam, ki orodja ne poznajo ali niso prebrale teh navodil za uporabo, orodja ne dovolite uporabljati. Električna orodja so nevarna, če jih uporabljajo neizkušene osebe.
- ▶ **Vzdržujte električna orodja in pribor.** Prepričajte se, da so premikajoči se deli pravilno poravnani in da se ne zatikajo ter da deli niso polomljeni. Prav tako preverite, ali je na orodju še kaj drugega, kar bi lahko vplivalo na njegovo delovanje. Če je električno orodje poškodovano, mora biti pred uporabo popravljeno. Slabo vzdrževana električna orodja so vzrok za mnoge nezgode.
- ▶ **Rezalna orodja naj bodo vedno ostra in čista.** Skrbno negovana rezalna orodja z ostrimi robovi se manj zatikajo in so lažje vodljiva.
- ▶ **Električna orodja, pribor, vsadna orodja in podobno uporabljajte v skladu s temi navodili.** Pri tem upoštevajte delovne pogoje in dejavnost, ki jo boste opravljali. Uporaba električnih orodij v namene, ki so drugačni od predpisanih, lahko privede do nevarnih situacij.
- ▶ **Ročaji in površine za prijemanje naj bodo suhe, čiste in brez olja ali maščobe.** Gladki ročaji in površine za

prijemanje ne omogočajo varne uporabe in nadzora orodja v nepričakovanih situacijah.

Uporaba in vzdrževanje akumulatorskih orodij

- ▶ **Akumulatorske baterije polnite samo s polnilniki, ki jih priporoča proizvajalec.** Polnilnik, ki je namenjen določeni vrsti akumulatorskih baterij, se lahko vname, če ga boste uporabljali za polnjenje drugačnih akumulatorskih baterij.
- ▶ **V električnih orodjih uporabljajte le akumulatorske baterije, ki so zanje predvidene.** Uporaba drugih akumulatorskih baterij lahko povzroči telesne poškodbe ali požar.
- ▶ **Akumulatorska baterija, ki je ne uporabljate, ne sme priti v stik s kovinskimi predmeti, kot so pisarniške sponke, kovanci, ključi, žebliji, vijaki in drugi manjši kovinski predmeti, ki bi lahko povzročili premostitev kontaktov.** Kratek stik med akumulatorskimi kontakti ima lahko za posledico opekline ali požar.
- ▶ **V primeru napačne uporabe lahko iz akumulatorske baterije izteče tekočina. Izogibajte se stiku z njo. Če tekočina vseeno po naključju pride v stik s kožo, jo sperite z vodo. Če pride tekočina v oči, poiščite zdravniško pomoč.** Iztekajoča akumulatorska tekočina lahko povzroči draženje ali opekline.
- ▶ **Ne uporabljajte poškodovanih ali prilagojenih akumulatorskih baterij oz. orodij.** Poškodovane ali prilagojene akumulatorske baterije se lahko nepredvidljivo obnašajo, kar lahko povzroči požar, eksplozijo ali tveganje za poškodbe.
- ▶ **Akumulatorske baterije ali orodja ne izpostavljajte ognju ali previsoki temperaturi.** Izpostavljenost ognju ali vročini nad 130 °C lahko povzroči eksplozijo.
- ▶ **Upoštevajte navodila za polnjenje in ne polnite akumulatorske baterije ali orodja pri temperaturi, ki je izven območja, navedenega v navodilih.** Če orodje polnite na nepravilen način ali pri temperaturah, ki so izven določenega območja, lahko pride do poškodb akumulatorske baterije, kar poveča tveganje za požar.

Servisiranje

- ▶ **Vaše električno orodje naj popravlja samo usposobljeno strokovno osebje, ki naj pri tem uporabi zgolj originalne rezervne dele.** S tem boste zagotovili, da bo orodje varno za uporabo.
- ▶ **Nikdar ne popravljajte poškodovanih akumulatorskih baterij.** Akumulatorske baterije naj popravlja le proizvajalec ali pooblaščen servisier.

Varnostna navodila za vibrator za beton



Nosite zaščitna očala. S tem zaščitite oči pred brizgajočim betonom.



Nosite zaščitne rokavice. Vibracijska glava vibratorja za beton se lahko med uporabo segreje.

- ▶ **Po uporabi se vibracijske glave ne dotikajte.** Površina se lahko zelo segreje.
- ▶ **Ne odlagajte električnega orodja, dokler se nastavek popolnoma ne ustavi.** Vibrirajoč nastavek lahko pride v stik z odlagalno površino, zaradi česar lahko izgubite nadzor nad električnim orodjem.
- ▶ **Med delom pazite, da se ne spotaknete ob cev ali kabel.** Obstaja nevarnost poškodb.
- ▶ **Upoštevajte, da boste pri prenašanju nahrbtnika s priključenim napajanjem in vibracijsko enoto potrebovali več prostora.** Zaradi tega se boste lahko gibali le v omejenem obsegu.
- ▶ **Nosilec za nosilni pas uporabljajte izključno za pritrditev nosilnega pasu in nanj nikoli ne pritrdite sistema za zaščito pred padcem.** Nosilec za nosilni trak in sam nosilni trak ne služita kot zaščita pred padcem.
- ▶ **Električno orodje prevažajte le, če je izklopljeno.** Vključeno električno orodje lahko nenamerno pride v stik z vašimi oblačili in se v njih zaplete, oblačila pa lahko električno orodje povlečejo proti vašemu telesu.
- ▶ **Med delovanjem zaščitite omrežni kabel, da se ne zaplete v armaturo in ga ne povlečete čez ostre robove.**
- ▶ **Cevi ne vlecite čez ostre robove ali armaturo. Če se vibracijska glava zagodi, ne vlecite za cev, temveč vibracijsko glavo sprostite tako, da jo premikate naprej in nazaj.** S tem preprečite poškodbe cevi.
- ▶ **V primeru prekinitve napajanja stikalo za vklop/izklop preklopite v položaj za izklop.** S tem preprečite nenadzorovan ponovni zagon.
- ▶ **Če je akumulatorska baterija poškodovana ali če jo nepravilno uporabljate, lahko iz nje uhajajo pare. Akumulatorska baterija se lahko vname ali eksplozira.** Poskrbite za dovod svežega zraka in se v primeru težav obrnite na zdravnika. Pare lahko povzročijo draženje dihalnih poti.
- ▶ **Akumulatorske baterije ne spreminjajte in ne odpirajte.** Obstaja nevarnost kratkega stika.
- ▶ **Koničasti predmeti, kot so na primer žebliji ali izvijači, in zunanji vplivi lahko poškodujejo akumulatorsko baterijo.** Pojavi se lahko kratek stik, zaradi katerega lahko akumulatorska baterija zgori, se osmadi, pregreje ali eksplozira.
- ▶ **Uporabljajte akumulatorsko baterijo samo v proizvajalčevih izdelkih.** Le tako je akumulatorska baterija zaščiten pred nevarno preobremenitvijo.



max. 50°C



Akumulatorsko baterijo zaščitite pred vročino, npr. tudi pred neposredno sončno svetlobo, ognjem, umazanijo, vodo in vlago. Obstaja nevarnost

eksplozije in kratkega stika.

Opis izdelka in delovanja



Preberite vsa varnostna opozorila in navodila. Neupoštevanje varnostnih opozoril in navodil lahko povzroči električni udar, požar in/ali hude poškodbe.

Upoštevajte slike na začetku navodil za uporabo.

Namen uporabe

Vibrator za beton je namenjen za vibriranje večine vrst betona pri betoniranju manjših do srednjih temeljnih plošč, pasovnih temeljev, manjših talnih plošč, nizkih sten ter drugih manjših do srednje velikih gradbenih elementov. Vibrator za beton ustvari homogeno zmes betona in odstrani zračne mehurčke, s čimer se dosežeta višja trdnost in togost.

Komponente na sliki

Oštevilčenje komponent na sliki se nanaša na predstavitev izdelkov na straneh z grafičnimi prikazi.

- (1) Tipka za sprostitve stikala za vklop/izklop
- (2) Stikalo za vklop/izklop
- (3) Sprostitvena ročica predala za baterije
- (4) Pokrov predala za baterije
- (5) Vibracijska igla
- (6) Cev
- (7) Krovna matica
- (8) Kavelj za obešanje
- (9) Ročaj (izolirana prijemalna površina)
- (10) Akumulatorska baterija^{a)}
- (11) Tipka za sprostitve akumulatorske baterije^{a)}
- (12) Zaščitni pokrovček (cevi)
- (13) Gibljiva gred
- (14) Pogonsko vreteno

a) Ta pribor ne spada v standardni obseg dobave.

Tehnični podatki

Vibrator za beton	GVC18V-25-120D	
Kataloška številka	3 601 JP9 8..	
Nazivna napetost	V=	18
Tresljaji na minuto	vpm	≤ 12700
Centrifugalna sila	N	≤ 1300
Premer vibracijske igle	mm	25
Dolžina cevi ^{A)}	m	1,2
Teža ^{B)}	kg	4,5
Vrsta zaščite		IPX4 ^{C)}
Priporočena zunanja temperatura med polnjenjem	°C	0 ... +35
Dovoljena zunanja temperatura med	°C	-20 ... +50

Vibrator za beton	GVC18V-25-120D	
delovanjem ^{D)} in med skladiščenjem		
Združljive akumulatorske baterije		GBA18V... GBA 18V... ProCORE18V... EXPERT18V... EXBA18V... CORE18V...
Priporočene akumulatorske baterije za doseganje polne zmogljivosti		ProCORE18V... ≥ 5.5 Ah EXPERT18V...
Priporočeni polnilniki		GAL 18... GAL 18... GAL 36... GAL12V/18... GAL 12V/18... GAX 18V... EXAL18V...

A) Vibracijska igla priložena

B) Brez akumulatorske baterije (teža akumulatorske baterije je na voljo na spletni strani www.bosch-professional.com)

C) Zaščita proti brizganju vode z vseh strani

D) omejena zmogljivost pri temperaturah < 0 °C

Vrednosti se lahko razlikujejo glede na izdelek in so odvisne od pogojev uporabe in okoljskih pogojev. Več informacij je na voljo na spletni strani www.bosch-professional.com/wac.

Podatki o hrupu/tresljajih

Podatki o emisijah hrupa, pridobljeni v skladu s standardom **EN IEC 62841-2-12**.

A-vrednotena raven hrupa za električno orodje običajno znaša: raven zvočnega tlaka **79 dB(A)**; raven zvočne moči **87 dB(A)**; negotovost **K 3 dB**.

Uporabite zaščito za sluh!

Vrednosti tresljajev a_h (neprekinjeni tresljaji), p_r (tresljaji zaradi ponavljajočih se udarcev) in negotovost K so določene v skladu s standardom **EN IEC 62841-2-12**:

$$a_h = 1,4 \text{ m/s}^2, K = 1,5 \text{ m/s}^2, p_r = 94 \text{ m/s}^2 (K = 45 \text{ m/s}^2)$$

Vrednosti nivoja tresljajev in hrupa, podane v teh navodilih, so bile izmerjene v skladu s standardiziranim merilnim postopkom in se lahko uporabljajo za medsebojno primerjavo električnih orodij. Primerne so tudi začasno oceno oddajanja tresljajev in hrupa.

Naveden nivo tresljajev in hrupa je določen na osnovi glavnih načinov uporabe električnega orodja. Pri uporabi orodja v drugačne namene, z drugačnimi nastavki ali pri nezadostnem vzdrževanju lahko nivo hrupa in tresljajev odstopa. To lahko obremenjenost s hrupom in tresljaji v celotnem obdobju uporabe občutno poveča.

Za natančnejšo oceno obremenjenosti s hrupom in tresljaji morate upoštevati tudi čas, ko je orodje izklopljeno, in čas, ko orodje deluje, vendar dejansko ni v uporabi. To lahko občutno zmanjša obremenjenost s hrupom in tresljaji, ki je razporejena na celotno obdobje uporabe.

Določite dodatne varnostne ukrepe za zaščito uporabnika pred vplivi tresljajev, npr. vzdrževanje električnega orodja in nastavkov, segrevanje rok, organizacija delovnih postopkov.

Akumulatorska baterija

Podjetje **Bosch** prodaja akumulatorska električna orodja tudi brez priložene akumulatorske baterije. Ali je v obseg dobave vključena tudi akumulatorska baterija, je navedeno na embalaži.

Polnjenje akumulatorske baterije

► **Uporabljajte samo polnilnike, ki so navedeni v tehničnih podatkih.** Samo ti polnilniki so usklajeni s litij-ionsko akumulatorsko baterijo, ki je nameščena v električnem orodju.

Opomba: litij-ionske akumulatorske baterije se zaradi mednarodnih transportnih predpisov dobavljajo delno napolnjene. Da zagotovite polno zmogljivost akumulatorske baterije, jo pred prvo uporabo popolnoma napolnite.

Namestitev akumulatorske baterije

(glejte sliko A)

- Za odklepanje pritisnite sprostitevno ročico **(3)** predala za baterije. Pokrov predala za baterije **(4)** se odpre.
- Napolnjeno akumulatorsko baterijo **(10)** vstavite v ležišče za akumulatorsko baterijo, da se zaskoči.
- Zaprite pokrov **(4)** in ga zaklenite. Sprostitevna ročica **(3)** se mora slišno zaskočiti.

Odstranitev akumulatorske baterije

Akumulatorsko baterijo odstranite tako, da pritisnete tipko za sprostitev akumulatorske baterije in izvlčete akumulatorsko baterijo. **Pri tem ne uporabljajte sile.**

Akumulatorska baterija ima 2 ravni zapore, ki preprečujeta, da bi akumulatorska baterija ob nenamernem pritisku tipke za sprostitev akumulatorske baterije izpadla. Ko je akumulatorska baterija vstavljena v električno orodje, jo varuje vzmet.

Prikaz stanja napolnjenosti akumulatorske baterije

Opomba: nekatere vrste akumulatorskih baterij morda niso opremljene s prikazom stanja napolnjenosti.

Tri zelene LED-lučke prikaza stanja napolnjenosti akumulatorske baterije prikazujejo stanje napolnjenosti akumulatorske baterije. Iz varnostnih razlogov je stanje napolnjenosti mogoče prikazati le, ko je električno orodje izklopljeno.

Za prikaz stanja napolnjenosti pritisnite tipko  ali  na prikazu stanja napolnjenosti. To je mogoče tudi takrat, ko akumulatorska baterija ni vstavljena.

Če po pritisku tipke za prikaz stanja napolnjenosti LED-diode ne zasvetijo, je akumulatorska baterija okvarjena in jo je treba zamenjati.

Vrsta akumulatorske baterije GBA 18V... | GBA18V...



LED-dioda	Napolnjenost
3 zelene LED-diode neprekinjeno svetijo	60–100 %
2 zeleni LED-diodi neprekinjeno svetita	30–60 %
1 zelena LED-dioda neprekinjeno sveti	5–30 %
1 zelena LED-dioda utripa	0–5 %

Tip akumulatorske baterije ProCORE18V... | EXPERT18V... | EXBA18V... | CORE18V...



LED-dioda	Napolnjenost
5 zelenih LED-diod neprekinjeno sveti	80–100 %
4 zelene LED-diode neprekinjeno svetijo	60–80 %
3 zelene LED-diode neprekinjeno svetijo	40–60 %
2 zeleni LED-diodi neprekinjeno svetita	20–40 %
1 zelena LED-dioda neprekinjeno sveti	5–20 %
1 zelena LED-dioda utripa	0–5 %

Zaznavanje nevarnosti za okvaro akumulatorske baterije

EXPERT18V... | EXBA18V...

LED-diode prikazov stanja napolnjenosti akumulatorske baterije lahko poleg stanja napolnjenosti akumulatorske baterije prikažejo tudi nevarnost za okvaro akumulatorske baterije.

Za aktivacijo funkcije pritisnite tipko za prikaz stanja napolnjenosti  in jo pridržite za 3 sekunde. Ko poteka analiza akumulatorske baterije, se diode na prikazu stanja napolnjenosti akumulatorske baterije zaporedoma prižigajo in ugašajo. Rezultat se prikaže na prikazu stanja napolnjenosti akumulatorske baterije.



1 LED-dioda: akumulatorska baterija je izpostavljena veliki nevarnosti za okvaro.

Mogoče je, da sta zmogljivost in čas delovanja že zdaj manjši. Priporočamo, da akumulatorsko baterijo zamenjate.



5 LED-diod: akumulatorska baterija je v dobrem stanju in je izpostavljena majhni nevarnosti za okvaro.

Upoštevacite: ocena nevarnosti za okvaro akumulatorske baterije prikaže le dve stanji in predstavlja poenostavljeno oceno stanja. Lahko ocenite, da je akumulatorska baterija v dobrem stanju ali da je izpostavljena veliki nevarnosti za okvaro. Stanje akumulatorske baterije ni prikazano v odstotkih.

Navodila za optimalno uporabo akumulatorske baterije

Akumulatorsko baterijo zavarujte pred vlago in vodo.

Akumulatorsko baterijo skladiščite samo v temperaturnem območju od –20 °C do 50 °C. Poleti ne dovolite, da bi akumulatorska baterija obležala v avtomobilu.

Prezračevalne reže akumulatorske baterije občasno očistite z mehkim, čistim in suhim čopičem.

Bistveno krajši čas delovanja po polnjenju pomeni, da je akumulatorska baterija izrabljena in da jo je treba zamenjati. Upoštevajte navodila za odstranjevanje.

Namestitve

- **Pred kakršnimi koli deli na električnem orodju (npr. vzdrževanjem, menjavo nastavkov, itd.) akumulatorsko baterijo odstranite iz električnega orodja.** Pri nenamernem pritisku stikala za vklop/izklop obstaja nevarnost poškodb.

Pritrnitev cevi in vibracijske igle (glejte sliko B)

Električno orodje, cev (6) in vibracijsko iglo (5) postavite na ravno površino.

Krovno matico (7) odvijte z električnega orodja. Krovno matico (7) najprej potisnite v pravi položaj čez vibracijsko iglo (5) in nato še čez cev (6). Snemite zaščitni pokrovček (12) s cevi (6). Cev (6) s konico gibljive gredi (13) vstavite v pogonsko vreteno (14). Cev (6) privijte tako, da krovno matico (7) zavrtite v desno.

Odsesavanje prahu/ostružkov

Prah nekaterih materialov, npr. svinčenega premaza, nekaterih vrst lesa, mineralov in kovin lahko škoduje zdravju. Dotik ali vdihavanje tega prahu lahko povzroči alergične reakcije in/ali obolenja dihal uporabnika ali drugih prisotnih oseb.

Določene vrste prahu, kot je npr. prah hrastovine ali bukovja, so rakotvorne, še posebej skupaj z dodatnimi snovmi za obdelavo lesa (kromat, zaščitno sredstvo za les). Material z vsebnostjo azbesta smejo obdelovati le strokovnjaki.

- Poskrbite za dobro zračenje delovnega mesta.
- Priporočamo, da nosite zaščitno masko za prah s filtrirnim razredom P2.

Upoštevajte veljavne nacionalne predpise za obdelovane materiale.

- **Preprečite nabiranje prahu na delovnem mestu.** Prah se lahko hitro vname.

Delovanje

- **Pred kakršnimi koli deli na električnem orodju (npr. vzdrževanjem, menjavo nastavkov, itd.) akumulatorsko baterijo odstranite iz električnega orodja.** Pri nenamernem pritisku stikala za vklop/izklop obstaja nevarnost poškodb.

Zagon

- **Pred kakršnimi koli deli na električnem orodju (npr. vzdrževanjem, menjavo nastavkov, itd.)**

akumulatorsko baterijo odstranite iz električnega orodja. Pri nenamernem pritisku stikala za vklop/izklop obstaja nevarnost poškodb.

Vklop/izklop

Za **zagon** električnega orodja pritisnite tipko za sprostitve (1) in **hkrati** pritisnite stikalo za vklop/izklop (2) ter ga držite.

Za **izklop** električnega orodja izpusite stikalo za vklop/izklop (2).

Opomba: iz varnostnih razlogov stikala za vklop/izklop (2) ni mogoče zakleniti, temveč ga je treba med uporabo orodja neprekinjeno držati.

Vibriranje betona

- Vklomite električno orodje.
- Počakajte, da se vibracijska igla (5) potopi v beton zaradi gravitacije. V beton je ne potiskajte na silo.

Čas vibriranja odvisno od načina uporabe obsega med 10 in 20 sekund pri vsakem potopu (glejte „Navodila za delo“, Stran 10).

- Izklomite električno orodje.

Navodila za delo

- **Preprečite škropljenje betona.** Lahko bi spodrsnili in izgubili kontrolo nad električnim orodjem.

- **Električnega orodja ne puščajte vklopljenega dalj časa, če vibracijska igla ni v betonu.** Sicer se lahko skrajša življenjska doba ležajev.

Električno orodje vklomite šele tik pred začetkom dela.

Pri delu vzdržujte varno in stabilno držo. Ne nagibajte se preveč naprej.

Počakajte, da se vibracijska igla potopi v material zaradi gravitacije. V beton je ne potiskajte na silo.

Preprečite preobremenitev motorja in zapogibanje cevi, saj se lahko zlomi gibljiva gred.

Čas vibriranja obsega od 10 do 20 sekund pri vsakem potopu. Zgoščenost materiala je ustrezna, ko se površina sveti in iz nje ne izhajajo več zračni mehurčki. Predolgo vibriranje lahko povzroči ločitev zmesi (razslojitev peska, gramoza in cementa), zaradi česar material izgubi trdnost. Zato spremljajte napredek pri delu.

Vibracijsko iglo potopite v material v razmikih, ki so 8- do 10-krat večji od premera vibracijske igle, npr. če je premer vibracijske igle 25 mm = razmik 25 cm, premer vibracijske igle 35 mm = razmik 35 cm itd.

Glejte sliko C: $X = (8 \dots 10) \times \text{vibracijske igle}$

Če betonirate več zaporednih slojev, morate vibracijsko iglo potopiti v spodnji že zgoščeni sloj 10 do 15 cm globoko, da se sloja dobro sprimeta.

Vibracijsko iglo počasi izvlecite iz materiala, ko motor še deluje, da preprečite nastanek zračnih žepov ali vdolbin na površini.

Izogibajte se daljšemu stiku z opažem ali armaturo, da preprečite poškodbe opaža in zagodenje vibracijske igle

med armaturnim železom. Če se vibracijska igla zagodzi ali uklešči, ne vlecite na gibko cev.

► **Električno orodje shranjujte na varnem mestu.**

Poskrbite za stabilno postavitve orodja. V nasprotnem primeru se lahko električno orodje poškoduje.

Kavelj za obešanje (glejte sliko D)

S kavljem za obešanje **(8)** lahko električno orodje obesite na primer na ogrodje. Kavelj za obešanje **(8)** razprite.

Poklopite kavelj za obešanje **(8)**, če želite delati z električnim orodjem.

Vzdrževanje in servisiranje

Vzdrževanje in čiščenje

► **Pred kakršnimi koli deli na električnem orodju (npr. vzdrževanjem, menjavo nastavkov, itd.)**

akumulatorsko baterijo odstranite iz električnega orodja. Pri nenamernem pritisku stikala za vklop/izklop obstaja nevarnost poškodb.

► **Za dobro in varno delovanje morate poskrbeti, da je električno orodje vselej čisto in suho.**

► **Med čiščenjem v gibko cev ne sme zaiti voda.** Zaradi vdora vode lahko v gibko cev zaide beton, kar lahko poškoduje električno orodje (npr. zatrditev ležajev).

Pribor skrbno skladiščite in uporabljajte.

► **Gibko cev in vibracijsko iglo po uporabi očistite, da preprečite strditev betona na površini.**

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Ob vseh vprašanjih in naročilih rezervnih delov nujno sporočite 10-mestno številko na tipski ploščici izdelka.

Odlaganje

Poskrbite za okolju prijazno recikliranje električnih orodij, akumulatorskih baterij, pribora in embalaž.



Električnih orodij in akumulatorskih/običajnih baterij ne smete odvreči med gospodinjske odpadke!

Zgolj za države Evropske unije:

Električno in elektronsko opremo, ki ni več uporabna, ter izrabljene baterije in akumulatorske baterije je treba zbirati ločeno in odstraniti na okolju prijazen način. Uporabite za to določene sisteme za zbiranje odpadkov. Zaradi nevarnih snovi, ki jih lahko vsebuje odpadni material, lahko nepravilno ravnanje z odpadnim materialom škoduje okolju in zdravju.

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1.6 - NanoPb 0.3.9.9

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1.7 - picolibc 1.8.8

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