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Professional HEAVY DUTY

GNH 18V-64 MD



Robert Bosch Power Tools GmbH
70538 Stuttgart
GERMANY

www.bosch-pt.com

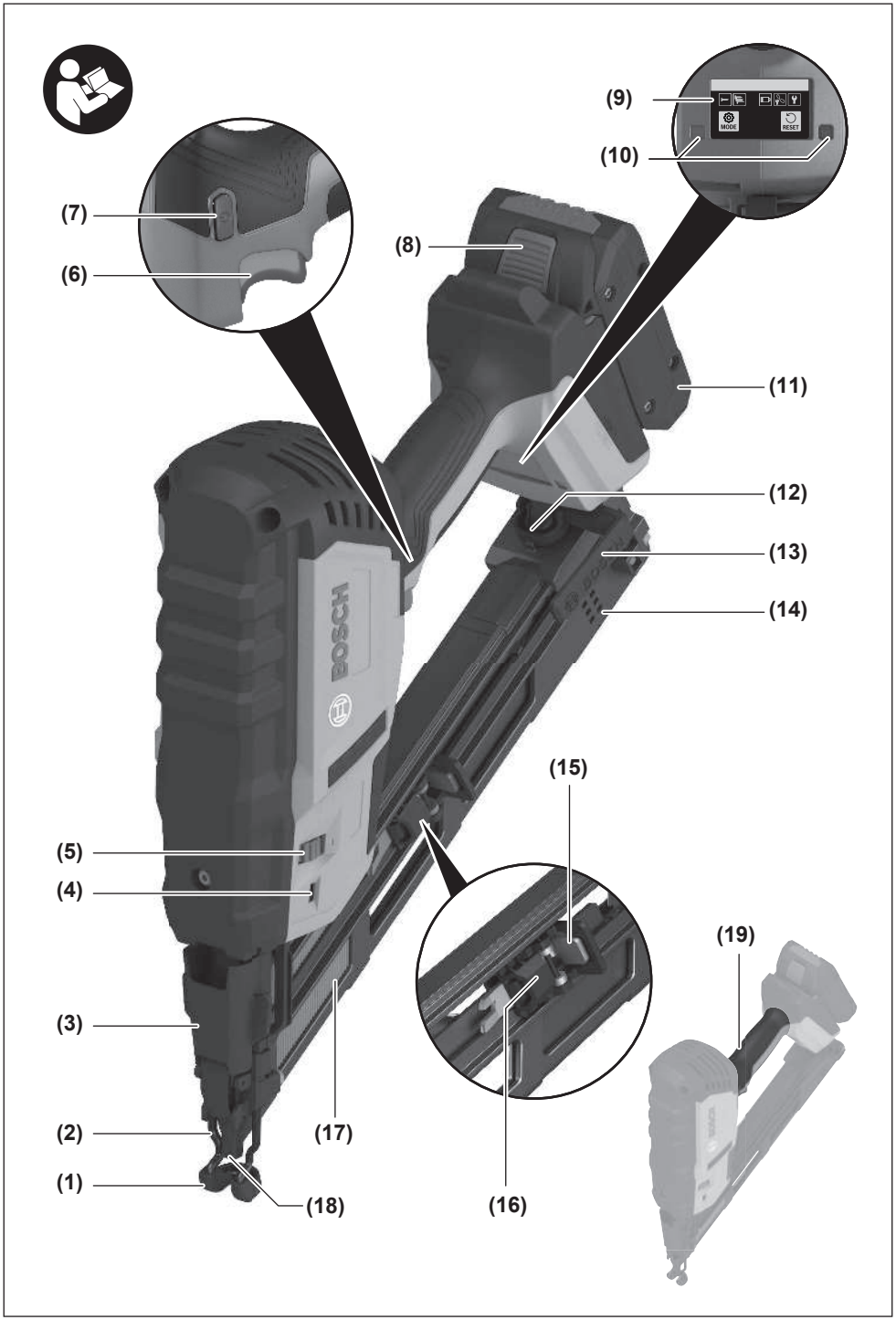
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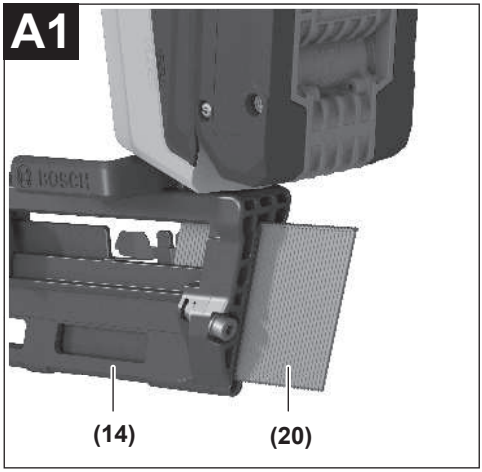
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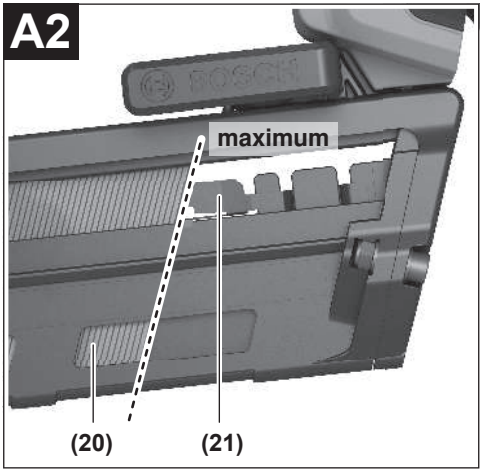
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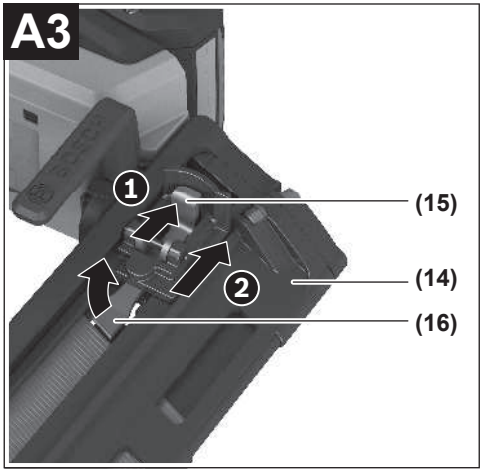
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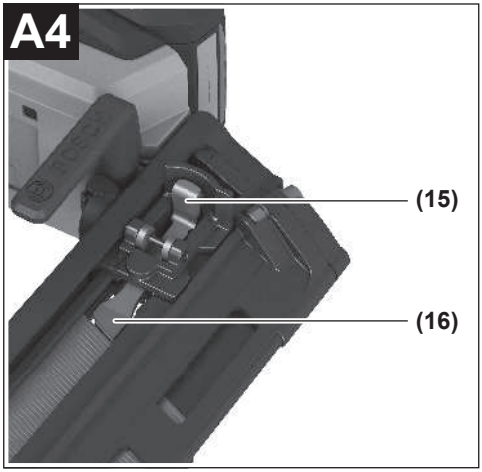
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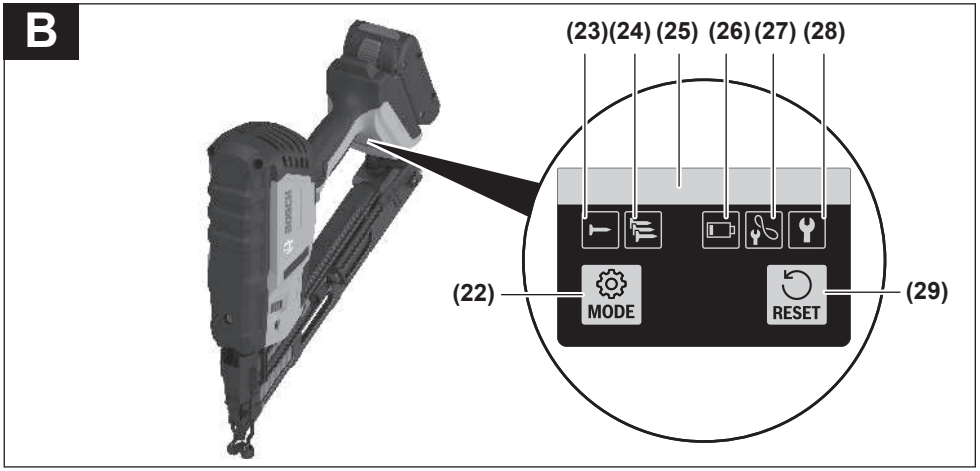

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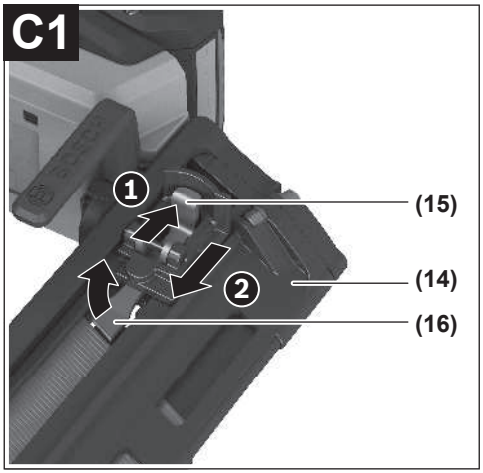

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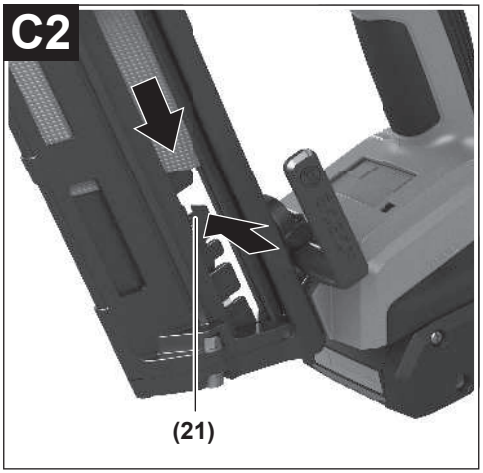

A2
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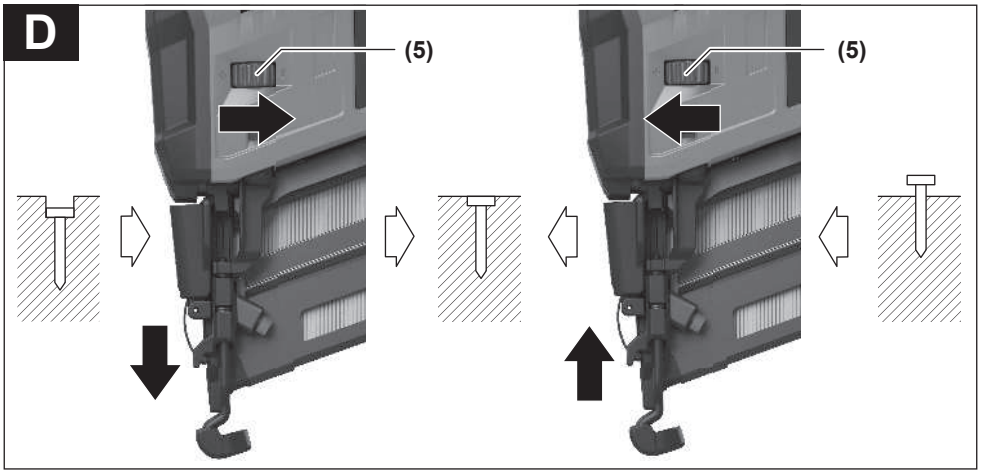

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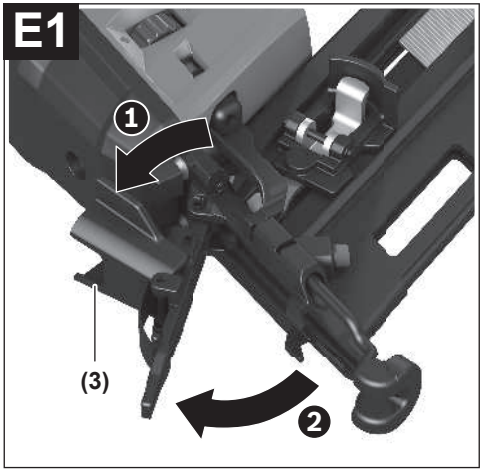

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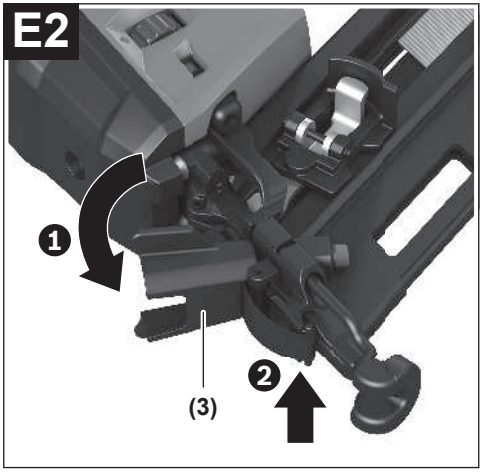

B
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(22)
MODE
RESET
(29)


C1
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2
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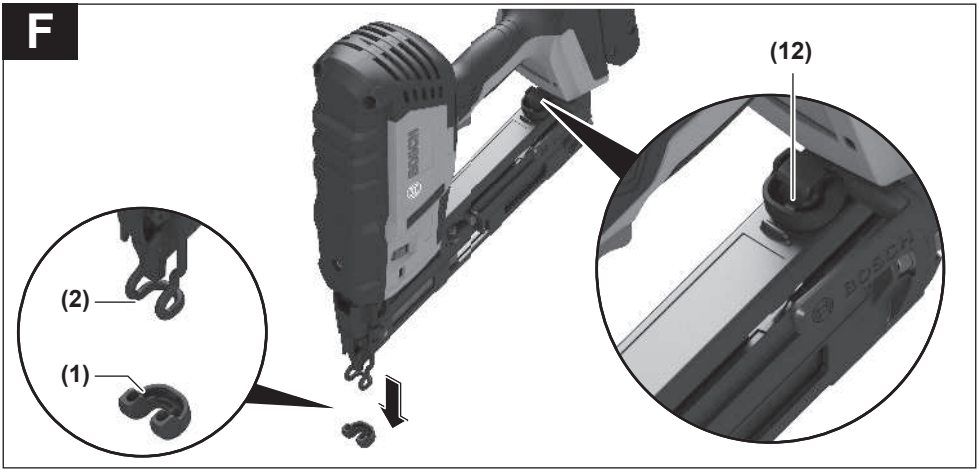

C2
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D
(5)
(5)


E1
1
(3)
2


E2
1
2
(3)

F



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 iskrenje, zaradi katerega se lahko prah ali hlapi vnamejo.
- **Ko uporabljate električno orodje, poskrbite, da v bližini ni otrok ali drugih oseb.** Odvračanje 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.

Osebna 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 ključe 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 stojite 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 lahkomiselni 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.
- **Izvlecite 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, žeblji, 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 pooblaščeni serviser.

Varnostna opozorila za žebljalnik

- ▶ **Vedno predvidevajte, da so v orodju sponke.** Nepremišljeno ravnanje z žebljalnikom lahko pripelje do nepričakovane sprožitve sponk in posledično telesnih poškodb.
- ▶ **Pred vlaganjem ali odstranjevanjem sponk, prilagajanjem ali menjavo pribora orodje odklopite z vira napajanja.** Če orodje ostane priključeno na vir napajanja, se lahko nenamerno sproži in povzroči telesne poškodbe.
- ▶ **Pri delu s sponkami, zlasti njihovim vlaganjem ali odstranjevanjem, bodite previdni.** Konice sponk so ostre in lahko povzročijo telesne poškodbe.
- ▶ **Žebljalnika ne obračajte proti sebi ali drugim.** Če nenamerno pritisnete sprožilec, se sproži sponka, kar lahko povzroči telesne poškodbe.
- ▶ **Če žebljalnika ne uporabljate ali se prestavljate v drug delovni položaj, se s prstom ne dotikajte sprožilca.** Če nenamerno pritisnete sprožilec, se sproži sponka, kar lahko povzroči telesne poškodbe.
- ▶ **Ko izvajate postopek, pri katerem lahko pride do stika žebljalnika s skrito žico, žebljalnik držite za izolirane ročaje.** Ob stiku sponke z žico pod napetostjo se lahko električna napetost prenese na kovinske dele žebljalnika, uporabnik pa lahko ob tem doživi električni udar.
- ▶ **Med uporabo žebljalnik trdno držite.** Zaradi povratnega udarca se lahko žebljalnik nenamerno sproži in povzroči telesne poškodbe.
- ▶ **Z deli telesa, kot so roke in noge itd., ne segajte v linijo, v kateri se sproži žebljalnik.** Sponka lahko prebije obdelovanec in celo predmet za njim ter povzroči telesne poškodbe.
- ▶ **Med uporabo žebljalnika z deli telesa, kot so roke in noge itd., ne segajte v območje, v katerem zabijate sponke v obdelovanec.** Sponka se lahko odbije ali prebije obdelovanec in povzroči telesne poškodbe.
- ▶ **Žebljalnik sprožite le, če je trdno pritisnjen ob obdelovanec.** Če žebljalnik ni v stiku z obdelovancem, se lahko sponka odbije od obdelovanca in povzroči telesne poškodbe.
- ▶ **Žebljalnika ne uporabljajte za pritrjevanje električnih kablov.** Žebljalnik ni namenjen za polaganje električnih kablov in lahko poškoduje izolacijo električnih kablov, zaradi česar lahko nastane nevarnost električnega udara ali požara.
- ▶ **Če se sponka zatakne v žebljalniku, žebljalnik izključite z napajanja.** Če žebljalnik med odstranjevanjem sponke ostane priklopljen na vir napajanja, se lahko nenamerno sproži in povzroči telesne poškodbe.
- ▶ **Zataknjeno sponko previdno odstranite.** Mehanizem je lahko pod pritiskom, zato se lahko sponka se sproži in povzroči telesne poškodbe.
- ▶ **Za iskanje skritih oskrbovalnih vodov uporabljajte ustrezne iskalne naprave ali se o tem pozanimajte pri lokalnem podjetju za oskrbo z vodo, električno ali plinom.** Stik z električnim vodom lahko povzroči požar ali električni udar. Poškodbe na plinovodu so lahko vzrok za eksplozijo, vdor v vodovodno omrežje pa ima za posledico materialno škodo.
- ▶ **Če je akumulatorska baterija poškodovana ali če jo nepravilno uporabljate, lahko iz nje uhajajo pare. Akumulatorska baterija se lahko vname ali eksplodira.** 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.** Nevarnost kratkega stika.
- ▶ **Koničasti predmeti, kot so na primer žeblji ali izvijači, in zunanji vplivi lahko poškodujejo akumulatorsko baterijo.** Pojavi se lahko kratek stik, zaradi katerega lahko akumulatorska baterija zgori, se osmodi, pregreje ali eksplodira.
- ▶ **Uporabljajte akumulatorsko baterijo samo v proizvajalčevih izdelkih.** Le tako je akumulatorska baterija zaščitena pred nevarno preobremenitvijo.





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



Uporabljajte zaščito za sluh. Izpostavljenost hrupu lahko povzroči izgubo sluha.



Nosite zaščitna očala. Leteči deli lahko povzročijo poškodbe oči.

Opis izdelka in storitev



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

Električno orodje je namenjeno za pribijanje žebljev v les. Dovoljena je le uporaba elementov za pribijanje (žebljev, sponk itd.), navedenih v preglednici „Tehnični podatki“.

Opomba: električno orodje ni namenjeno za pribijanje žebljev v kovino ali beton.

Med delom na delovnem odru, lestvi ali drugi ploščadi, ko morate zamenjati delovni položaj, električnega orodja ne uporabljajte v načinu kontaktne sprožitve s samodejnim povratkom. V tem primeru je dovoljena le uporaba načina enkratne sprožitve z varnostnim zaporedjem.

Komponente na sliki

Oštevilčenje komponent na sliki se nanaša na shemo električnega orodja na strani s shemami.

(1) Ščitnik za obdelovanec
(2) Zaščita pred nenamerno sprožitvijo
(3) Vpenjalna ročica za odpiranje/zapiranje izstreljevalnega kanala
(4) Prikaz za nastavitev omejevalnika globine
(5) Kolesce za nastavitev omejevalnika globine
(6) Sprožilec
(7) Stikalo za vklop/izklop
(8) Gumb za odstranitev akumulatorske baterije
(9) Uporabniški vmesnik
(10) Delovna svetilka
(11) Akumulatorska baterija
(12) Prostor za shranjevanje ščitnika za obdelovanec
(13) Kavelj za pas
(14) Vlagalnik
(15) Pomikalo vlagalnika
(16) Vpenjalo žebljev
(17) Kontrolno okence za prikaz stanja napolnjenosti
(18) Ustje
(19) Ročaj (z izolirano oprijemalno površino)
(20) Komplet žebljev[a)]
(21) Vzmet vlagalnika

Uporabniški vmesnik

(22) Tipka za način delovanja
(23) Prikaz enkratne sprožitve
(24) Prikaz kontaktnega sprožilca
(25) Prikaz stanja
(26) Prikazovalnik stanja napolnjenosti akumulatorske baterije
(27) Prikaz nizke stopnje vzdrževanja
(28) Prikaz visoke stopnje vzdrževanja
(29) Tipka za ponastavitev

a) **Ta pribor ne spada v standardni obseg dobave.**

Tehnični podatki

Akumulatorski žebljalnik		GNH 18V-64 MD
Kataloška številka		**3 601 D82 2..**
Nazivna napetost	V=	18
Sistemi za sprožitev		
– Enkratna sprožitev z varnostnim zaporedjem		●
– Kontaktna sprožitev s samodejnim povratkom		●
Element za pribijanje		
– Tip		Žeblji z D-glavico
– Dolžina	mm	32–64
– Premer	mm	1,8
	ga	15
– Kot	°	34
Najv. kapaciteta vlagalnika		105
Mere (brez akumulatorske baterije)		
– Višina	mm	323

Akumulatorski žebljalnik		GNH 18V-64 MD
– Širina	mm	95
– Dolžina s ščitnikom za obdelovanec	mm	385
Teža[A)]	kg	3,1
Priporočena temperatura okolice med polnjenjem	°C	0 … +35
Dovoljena zunanja temperatura med delovanjem[B)C)] in med skladiščenjem	°C	–20 … +50
Združljive akumulatorske baterije		GBA18V… GBA 18V… ProCORE18V… EXPERT18V… EXBA18V… CORE18V…
Priporočene akumulatorske baterije		GBA 18V… ≥ 2,0 Ah ProCORE18V… ≥ 4,0 Ah
Priporočeni polnilniki		GAL18… GAL 18… GAL 36… GAL12V/18… GAL 12V/18… GAX 18… EXAL18…

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

B) omejena zmogljivost pri temperaturah < 0 °C

C) Omejena zmogljivost z GBA 18V…

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 62841-2-16**.

A-vrednotena raven hrupa za električno orodje običajno znaša: raven zvočnega tlaka **88** dB(A); raven zvočne moči **99** dB(A). Negotovost K = **3** dB.

Uporabite zaščito za sluh!

Vrednosti tresljajev a_h (neprekinjeni tresljaji), p_F (tresljaji zaradi ponavljajočih se udarcev) in negotovost K so določene v skladu s standardom **EN IEC 62841-2-16**:

a_h = **2,2** m/s^2 (K = **1,5** m/s^2), p_F = **358** m/s^2 (K = **19** 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 za 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 z 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

Napolnjeno akumulatorsko baterijo vstavite v ležišče za akumulatorsko baterijo, da se zaskoči.

Odstranitev akumulatorske baterije

Akumulatorsko baterijo odstranite tako, da pritisnete tipko za sprostitev akumulatorske baterije in izvlečete 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.

Stanje napolnjenosti akumulatorske baterije je prikazano tudi na uporabniškem vmesniku (glejte „Prikazi stanja“, Stran 12).

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.

Upoštevajte: ocena nevarnosti za okvaro akumulatorske baterije prikaže le dve stanji in predstavlja poenostavljeno oceno stanja. Lahko oceni le, 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.

Namestitev

▶ **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.

Polnjenje zalogovnika (glejte slike A1–A4)

▶ **Pred nastavljanjem orodja, zamenjavo delov pribora ali odlaganjem električnega orodja odstranite akumulatorsko baterijo.** S tem previdnostnim ukrepom boste preprečili nenameren zagon električnega orodja.

Uporabljajte le originalni pribor Bosch. Fini deli električnega orodja, kot so npr. vlagalnik, ustje in izstreljevalni kanal, so združljivi s **sponkami, žeblji in žičniki** podjetja **Bosch**. Drugi proizvajalci uporabljajo jeklo drugačne kakovosti in drugačnih dimenzij.

Opomba: uporabljajte samo elemente za pribijanje, ki so navedeni v preglednici „Tehnični podatki“.

Uporaba neodobrenih elementov za pribijanje lahko poškoduje električno orodje in privede do telesnih poškodb.

Električno orodje med polnjenjem vlagalnika držite tako, da je ustje **(18)** usmerjeno stran od vašega telesa in drugih oseb.

– Po potrebi očistite pomikalo vlagalnika **(15)** in se prepričajte, da je vlagalnik **(14)** čist.
– V T-utor na koncu vlagalnika **(14)** vstavite primeren komplet žebljev **(20)**.
– Trak z žeblji vstavite v vlagalnik tako globoko, da je zadnji žebelj pred vzmetjo vlagalnika **(21)**.

Opomba: elektronski nadzor zazna, ali so v vlagalniku žeblji. Če zaščito pred nenamerno sprožitvijo pritisnete ob podlago, ko je vlagalnik prazen, se postopek zabijanja ne sproži. Tako se prepreči sprožitev orodja v prazno.

– Napeto vpenjalo žebljev **(16)** potisnite ob pomikalo vlagalnika **(15)** in pomikalo vlagalnika hkrati povlecite povsem nazaj do konca vlagalnika **(14)**.

Opomba: pomikalo vlagalnika se mora prosto premikati brez uporabe sile (le s prsti). Če se pomikalo vlagalnika zatakne, ima to naslednje posledice: žeblji se ne izstrelijo, žeblji obstanejo v izstreljevalnem kanalu (glejte zataknjen predmet) ali pa se žeblji izstrelijo pod napačnim kotom.

– Pomikalo vlagalnika **(15)** z vpetim vpenjalom žebljev **(16)** previdno potisnite naprej, dokler vpenjalo žebljev ne vpne zadnjega žeblja in se s tem prepričate, da je trak z žeblji pomaknjen povsem do začetka vlagalnika.

Opomba: pomikalo vlagalnika se ne sme nenadzorovano zaskočiti. Pomikalo vlagalnika se lahko s tem poškoduje in uklesti vaše prste.

Delovanje

Sistemi sprožitve

Enkratna sprožitev z varnostnim zaporedjem

Pri tem načinu sprožitve najprej zaščito pred nenamerno sprožitvijo **(2)** plosko namestite na obdelovanec. Element za pribijanje se bo sprožil šele, ko pritisnete sprožilec **(6)**. Orodje se za vsako nadaljnje pribijanje sproži šele, ko se sprožilec in zaščita pred nenamerno sprožitvijo vrneta v začetni položaj.

Kontaktna sprožitev s samodejnim povratkom

Pri tem načinu sprožitve morate pritisniti in pridržati sprožilec **(6)**. Nato zaščito pred nenamerno sprožitvijo pritisnite ob obdelovanec, da sprožite element za pribijanje. Dokler je sprožilec **(6)** pritisnjen, lahko nadaljujete s pribijanjem tako, da orodje znova položite na drugo mesto. V načinu **kontaktne sprožitve** lahko žebelj sprožite tudi z enkratno sprožitvijo.

Uporaba

Vklop/izklop

– Za **vklop** električnega orodja pritisnite stikalo za vklop/izklop **(7)**.
Uporabniški vmesnik zasveti.
Enkratna sprožitev je vklopljena, prikaz za enkratno sprožitev **(23)** sveti.
– Za **izklop** električnega orodja pritisnite stikalo za vklop/izklop **(7)**.

Prikazi stanja

Zabijanje žebljev – enkratna sprožitev

– Vklopite električno orodje.
– Ustje **(18)** ali po potrebi z gumo prevlečeni ščitnik za obdelovanec **(1)** pritisnite trdno na obdelovanec, da se zaščita pred nenamerno sprožitvijo **(2)** povsem ugrezne. Prižge se delovna lučka in motor se zažene.
– Nato na kratko pritisnite sprožilec **(6)** in ga znova izpustite.
S tem se sproži žebelj.
– Dovolite, da se električno orodje odskoči z obdelovanca.
– Če želite nadaljevati s pribijanjem, električno orodje povsem dvignite z obdelovanca in ga znova trdno pritisnite ob želeno mesto.

Zabijanje žebljev – kontaktni sprožilec

– Vklopite električno orodje.
– Kontaktno sprožitev vklopite tako, da na kratko pritisnete tipko Mode **(22)**.
Prikaz kontaktne sprožitve **(24)** sveti.
– Pritisnite sprožilec **(6)** in ga pridržite.
Prižge se delovna lučka in motor se zažene.
– Ustje **(18)** ali po potrebi z gumo prevlečeni ščitnik za obdelovanec **(1)** pritisnite trdno na obdelovanec, da se zaščita pred nenamerno sprožitvijo **(2)** povsem ugrezne.
S tem se sproži žebelj.
– Če želite nadaljevati s pribijanjem, še naprej držite sprožilec **(6)** in električno orodje povsem dvignite z obdelovanca. Znova ga trdno pritisnite ob želeno mesto.
– Na enkratno sprožitev preklopite tako, da znova pritisnete tipko Mode **(22)** .
Prikaz za enkratno sprožitev **(23)** zasveti.

Uporabniški vmesnik (glejte sliko B)

Uporabniški vmesnik **(9)** je namenjen za izbiro načina delovanja in prikaz stanja električnega orodja.

Prikaz stanja električnega orodja (25)		
Barva	**Pomen**	**Rešitev**
Zelena	Električno orodje je vključeno in pripravljeno na uporabo.	–
Rumena	Dogodek zahteva vašo pozornost: Dosežena je bila nevarna temperatura, akumulatorska baterija je skoraj prazna ali pa se bliža vzdrževanje.	– Počakajte, da se električno orodje ohladi. – Akumulatorsko baterijo zamenjajte ali napolnite. – Izvedite vzdrževanje.
Rdeča	Električno orodje ni pripravljeno na uporabo. Vzrok: Električno orodje je pregreto, akumulatorska baterija je prazna ali pa je prišlo do mehanske napake.	– Počakajte, da se električno orodje ohladi. – Akumulatorsko baterijo zamenjajte ali napolnite. – Izvedite vzdrževanje.
utripa rdeče	– Sprožilec **(6)** je bil pritisnjen prezgodaj. – Sprožilca **(6)** niste pritisnili v 5 sekundah, motor se samodejno izklopi.	– Nekoliko počakajte, da prikaz stanja zasveti zeleno.

Prikaz stanja električnega orodja (25)		
Barva	**Pomen**	**Rešitev**
	– Stikali sta bili pritisnjeni v napačnem vrstnem redu (npr. sprožilec je bil pritisnjen, preden je električno orodje preklopilo na način kontaktnega sprožilca).	– Električno orodje je znova pripravljeno na uporabo. – Znova izvedite postopek zabijanja in pri tem stikali pritisnite v pravilnem zaporedju. – Sistem za sprožitev spremenite prek uporabniškega vmesnika.

Prikaz stanja napolnjenosti akumulatorske baterije (26)		
Simbol	**Barva**	**Napolnjenost**
–	–	20–100 %
	rumena	1–20 %
	rdeča	0–1 %

Prikaz za vzdrževanje			
Simbol	**Barva**	**Pomen**	**Rešitev**
	rumena	Nastopil je termin za načrtovano vzdrževanje na ravni „nizko“.	Pokličite servisno službo.
	rumena	Nastopil je termin za načrtovano vzdrževanje na ravni „visoko“.	Pokličite servisno službo.

Za ponastavitev števca vzdrževanja po vzdrževanju pritisnite tipko Reset **(29)**.

Navodila za delo

Preden začnete z delom, se prepričajte, da varnostne funkcije in priprave za sprožitev brezhibno delujejo ter da so vsi vijaki in matice trdno priviti.
Okvarjeno električno orodje ali orodje, ki ne deluje brezhibno, nemudoma odklopite z električnega napajanja in se obrnite na pooblaščenega Boschevega serviserja.

Električnega orodja ne spreminjajte v nasprotju s predpisi. Ne odstranite ali blokirajte delov električnega orodja, kot je npr. zaščita pred nenamerno sprožitvijo.

Ne izvajajte „nujnih popravi“ z neprimernimi sredstvi. Električno orodje morate redno in strokovno vzdrževati.

Ne omejite delovanja električnega orodja in ga ne poškodujte, npr. z:

- udarci ali vgraviranjem,
- poskusi predelave, ki jih proizvajalec ni odobril,
- vodenjem s šablonami iz trdega materiala, npr. jekla,
- padcem ob tla ali zalučanjem po tleh,
- uporabo orodja namesto kladiva,
- kakršno koli silo.

Preverite, kaj je pod obdelovancem ali za njim. Žebljev ne pribijajte v stene, strope ali tla, če so za njimi druge osebe. Žeblji lahko prebijejo obdelovanec in povzročijo telesne poškodbe.

Žebljev ne pribijajte v druge že pribite žeblje. Pri tem se lahko žebelj skrivi, žeblja se lahko zatakneta ali pa električno orodje uide izpod nadzora.

Če električno orodje uporabljate pri nizkih temperaturah, se bodo prvi žeblji sprožili počasneje kot običajno. Ko se električno orodje ogreje z uporabo, bo znova delovalo z običajno delovno hitrostjo.

Izogibajte se praznim strelom, ki pospešijo obrabo udarjalnika.

Med daljšimi premori ali ob koncu dela izklopite električno orodje, odstranite akumulatorsko baterijo in, če je le možno, izpraznite vlagalnik.

Praznjenje vlagalnika (glejte slike C1–C2)

- Izklopite električno orodje in odstranite akumulatorsko baterijo **(11)**.
- Potiskalo vlagalnika **(15)** povlecite s pritisnjenim vpenjalom žebljev **(16)** nazaj, dokler vpenjalo žebljev ne sprosti zadnjega žeblja, nato pa potiskalo vlagalnika previdno potisnite naprej do začetka vlagalnika **(14)**.

Opomba: pomikalo vlagalnika se ne sme nenadzorovano zaskočiti. Pomikalo vlagalnika se lahko s tem poškoduje in uklesti vaše prste.

- Električno orodje obrnite tako, da se žeblji v vlagalniku zakotalijo nazaj do vzmeti vlagalnika **(21)**.
- Pritisnite na vzmet vlagalnika, da žeblji pri vpenjalu žebljev **(16)** izpadejo iz vlagalnika **(14)**.

Nastavitev omejevalnika globine (glejte sliko D)

Globino pribijanja žebljev lahko nastavite z nastavitvenim kolescem **(5)**.

- Izpraznite vlagalnik **(14)**.

– **Želji se pribijajo pregloboko:** za zmanjšanje globine pribijanja nastavitveno kolesce **(5)** zavrtite v smer „–“.



– **Želji se ne pribijajo dovolj globoko:** za povečanje globine pribijanja nastavitveno kolesce **(5)** zavrtite v smer „+“.



Prek prikaza za nastavitev omejevalnika globine **(4)** lahko preverite nastavitev omejevalnika globine.

– Vlagalnik znova napolnite.
– Novo globino pribijanja preverite na preskusnem obdelovancu.
  Po potrebi ponovite te korake.

Odstranitev zataknjenih žebljev (glejte slike E1–E2)

Posamezni žeblji se lahko zataknejo v izstreljevalnem kanalu. Če do tega prihaja pogosto, se obrnite na pooblaščenega Boschevega serviserja.

Opomba: če se udarjalnik po odstranitvi zataknjenega žeblja ne pomakne več nazaj, se obrnite na pooblaščenega Boschevega serviserja.

– Sprostite sprožilec **(6)**.
– Električno orodje izklopite in odstranite akumulatorsko baterijo **(11)**.
– Izpraznite vlagalnik **(14)**.
– Vpenjalno ročico **(3)** potisnite navzdol, da lahko odprete izstreljevalni kanal.
– Odstranite zataknjen žebelj. Po potrebi za to uporabite klešče.
– Zaprite izstreljevalni kanal, ročaj vpenjalne ročice **(3)** vpnite v kaveljček na izstreljevalnem kanalu in nato vpenjalno ročico znova potisnite navzgor.
– Vlagalnik znova napolnite.

Menjava ščitnika za obdelovanec (glejte sliko F)

Ščitnik za obdelovanec **(1)** na koncu zaščite pred nenamerno sprožitvijo **(2)** zaščiti obdelovanec in poskrbi, da je električno orodje pravilno nameščeno za pribijanje. Ščitnik za obdelovanec lahko odstranite in zamenjate.

– Sprostite sprožilec **(6)**.
– Električno orodje izklopite in odstranite akumulatorsko baterijo **(11)**.
– Izpraznite vlagalnik **(14)**.
– Ščitnik za obdelovanec povlecite iz zaščite pred nenamerno sprožitvijo.
– Nov ščitnik za obdelovanec z odprtim koncem potisnite na zaščito pred nenamerno sprožitvijo.

Opomba: nadomestni ščitnik za obdelovanec lahko shranite na zgornjem delu vlagalnika **(14)**. Ščitnik za obdelovanec potisnite v prostor za shranjevanje **(12)**.

Transport in shranjevanje

Pred premeščanjem električnega orodja ga izklopite, zlasti če uporabljate lestev in je vaša telesna drža nenaravna.

Električno orodje med prenašanjem na delovnem mestu držite le za ročaj **(19)** in poskrbite, da sprožilec **(6)** pri tem ni pritisnjen.

Električno orodje vedno shranite na suhem in toplem mestu ločeno od akumulatorske baterije.

Če električnega orodja dlje časa ne boste uporabljali, na jeklene dele orodja nanesite tanek sloj olja. S tem preprečite rjavenje.

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.

▶ **Skrbite za čistočo električnega orodja in prezračevalnih utorov, da lahko dobro in varno delate.**

Načrt vzdrževanja

Očistite vlagalnik **(14)**. Odstranite plastične ali lesene delce, ki so se morda pri delu nabrali v vlagalniku. Električno orodje čistite v rednih razmakih s pomočjo stisnjenega zraka.

Ukrep	Utemeljitev	Izvedba
Očistite vlagalnik **(14)** in pomikalo vlagalnika **(15)**.	Prepreči zatikanje žebljev.	– Mehanizem vlagalnika/pomikala vlagalnika dnevno izpihajte s stisnjenim zrakom.
Prepričajte se, da zaščita pred nenamerno sprožitvijo **(2)** pravilno deluje.	Izboljša varnost pri delu in učinkovitost pri uporabi orodja.	– Mehanizem zaščite pred nenamerno sprožitvijo dnevno izpihajte s stisnjenim zrakom.

Odpravljanje težav

Težava	Vzrok	Ukrep
Električno orodje ni pripravljeno na delovanje.	Akumulatorska baterija je izpraznjena ali okvarjena.	– Akumulatorsko baterijo povsem napolnite ali jo zamenjajte.
	Akumulatorska baterija ni pravilno vstavljena.	– Prepričajte se, da se je akumulatorska baterija zaskočila v ročaju.
	Temperatura akumulatorske baterije je previsoka ali prenizka.	– Počakajte, da akumulatorska baterija (znova) doseže optimalno delovno temperaturo.
	Kontakti na akumulatorski bateriji, motor ali elektromagnet je umazan ali okvarjen.	– Kontaktirajte pooblaščen servis podjetja Bosch. Naj zamenjajo komponento.
	Vlagalnik **(14)** je prazen.	– Vlagalnik znova napolnite. (glejte „Polnjenje zalogovnika (glejte slike **A1**–**A4**)“, Stran 11)
	Zaščita pred nenamerno sprožitvijo **(2)** je upognjena.	– Kontaktirajte pooblaščen servis podjetja Bosch. Naj zamenjajo komponento.
	Elektronski sistem je okvarjen.	– Kontaktirajte pooblaščen servis podjetja Bosch.
	Uporabniški vmesnik **(9)** je okvarjen.	– Kontaktirajte pooblaščen servis podjetja Bosch.
Električno orodje je pripravljeno na uporabo, vendar ne pribija žebljev.	Možna okvara naslednjih komponent: – Sprožilec **(6)** – Udarjalnik – Motor ali jermen – Elektronski sistem – Gumijasti trakovi	– Kontaktirajte pooblaščen servis podjetja Bosch. Naj zamenjajo komponento.
	V izstreljevalnem mehanizmu so se nabrali tujki.	– Kontaktirajte pooblaščen servis podjetja Bosch. Naj zamenjajo komponento.
	V ustju **(18)** ali vlagalniku **(14)** so se nabrali tujki.	– Očistite ustje **(18)** ali vlagalnik **(14)**.
	V izstreljevalnem kanalu se je zataknil žebelj.	– Odstranite zataknjeni žebelj. (glejte „Odstranitev zataknjenih žebljev (glejte slike **E1**–**E2**)“, Stran 14)
	Pomikalo vlagalnika **(15)** je okvarjeno.	– Po potrebi očistite pomikalo vlagalnika **(15)** in se prepričajte, da je vlagalnik **(14)** čist.
	Vzmet pomikala vlagalnika je oslabela ali okvarjena.	– Kontaktirajte pooblaščen servis podjetja Bosch. Naj zamenjajo komponento.
	Uporabljeni elementi za pribijanje niso dovoljeni.	– Uporabljajte le originalni pribor. Dovoljena je le uporaba elementov za pribijanje (žebljev, sponk itd.), navedenih v preglednici „Tehnični podatki“.
	Vlagalnik **(14)** je prazen.	– Vlagalnik znova napolnite. (glejte „Polnjenje zalogovnika (glejte slike **A1**–**A4**)“, Stran 11)
	Stikali za sprožitev ste pritisnili ste v napačnem vrstnem redu.	– Znova izvedite postopek zabijanja in pri tem stikali pritisnite v pravilnem zaporedju. – Sistem za sprožitev spremenite prek uporabniškega vmesnika.
Žeblji se pribijajo pregloboko.	Omejevalnik globine je nastavljen pregloboko.	– Omejevalnik globine nastavite na želeno globino. (glejte „Nastavitev omejevalnika globine (glejte sliko **D**)“, Stran 13)
	Blažilnik je obrabljen.	– Kontaktirajte pooblaščen servis podjetja Bosch. Naj zamenjajo komponento.
Žeblji se ne pribijajo dovolj globoko.	Akumulatorska baterija je izpraznjena ali okvarjena.	– Akumulatorsko baterijo povsem napolnite ali jo zamenjajte.

Težava	Vzrok	Ukrep
	Elementi za pribijanje so predolgi.	– Uporabljajte le originalni pribor. Dovoljena je le uporaba elementov za pribijanje (žebljev, sponk itd.), navedenih v preglednici „Tehnični podatki“.
	Omejevalnik globine je nastavljen previsoko.	– Omejevalnik globine nastavite na želeno globino. (glejte „Nastavitev omejevalnika globine (glejte sliko **D**)“, Stran 13)
Električno orodje preskakuje žeblje ali jih pomika presunkovito.	Uporabljeni elementi za pribijanje niso dovoljeni.	– Uporabljajte le originalni pribor. Dovoljena je le uporaba elementov za pribijanje (žebljev, sponk itd.), navedenih v preglednici „Tehnični podatki“.
	Vzmet pomikala vlagalnika je oslabela ali okvarjena.	– Kontaktirajte pooblaščen servis podjetja Bosch. Naj zamenjajo komponento.
Žeblji se pogosto zatikajo v izstreljevalnem kanalu.	Uporabljeni elementi za pribijanje niso dovoljeni.	– Uporabljajte le originalni pribor. Dovoljena je le uporaba elementov za pribijanje (žebljev, sponk itd.), navedenih v preglednici „Tehnični podatki“.
	Žeblji so se postarali, lepilo med žeblji ne drži več.	– Uporabite nov komplet žebljev.
Pribiti žeblji so skrivljeni.	Udarjalnik je poškodovan.	– Kontaktirajte pooblaščen servis podjetja Bosch. Naj zamenjajo komponento.
	Žebljalnik se uporablja za neprimerne materiale (npr. beton, kamen).	– Žebljalnik uporabljajte samo na odobrenih materialih. (glejte „Namen uporabe“, Stran 9)

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https://www.bosch-pt.com/serviceaddresses

Slovensko
Tel.: +00 803931
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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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(48) From musl include/elf.h

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(51) From musl src/string/strverscmp.c

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