BOSCH

Professional HEAVY DUTY

GNH 18V-64 MD



Robert Bosch Power Tools GmbH
70538 Stuttgart
GERMANY

www.bosch-pt.com

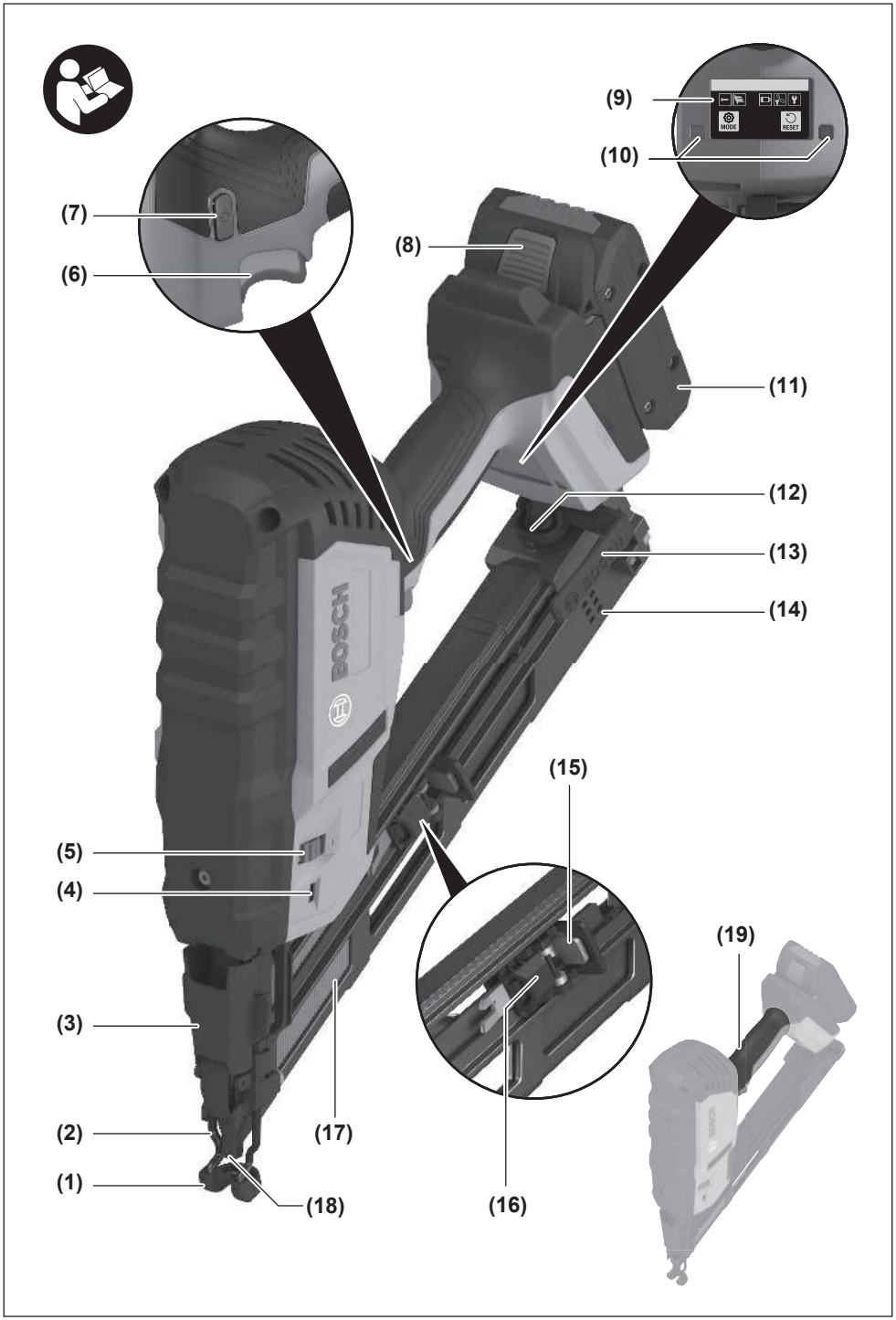
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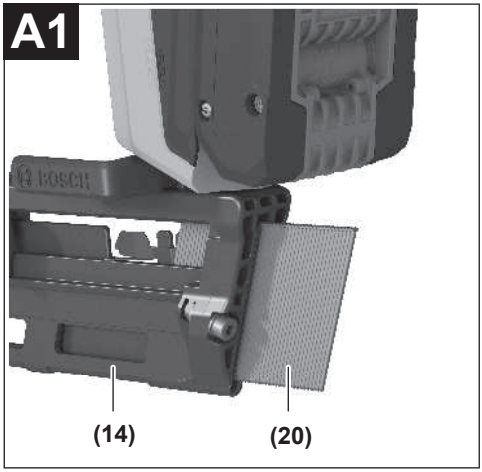
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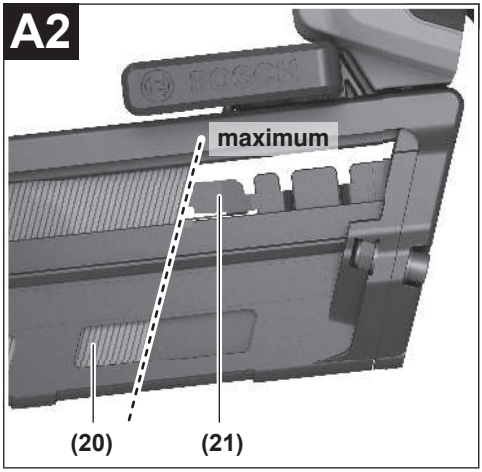
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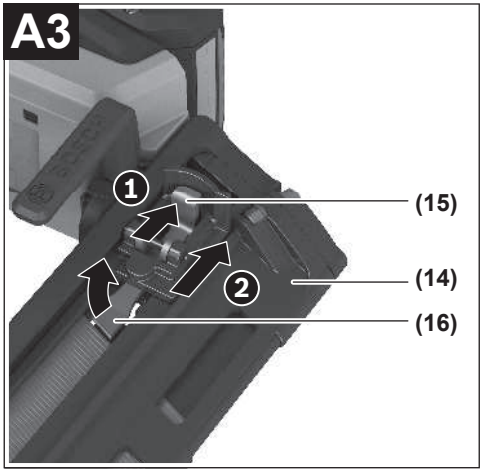
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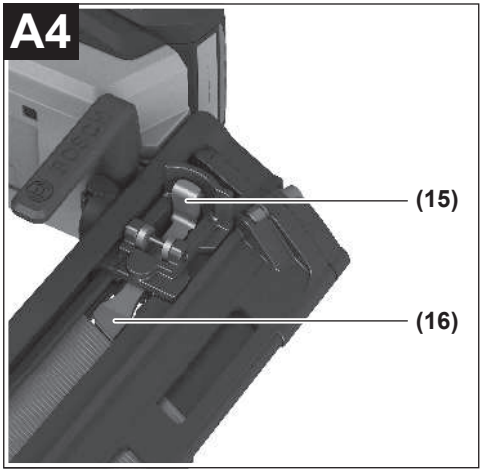
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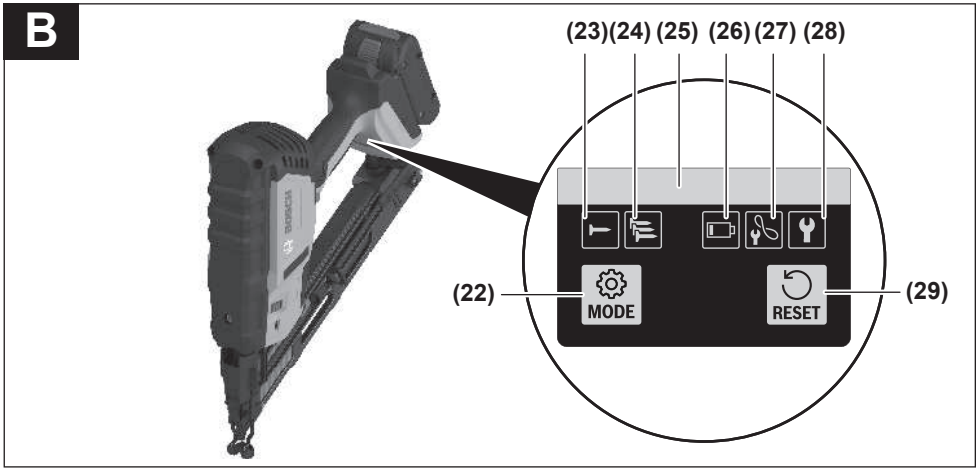

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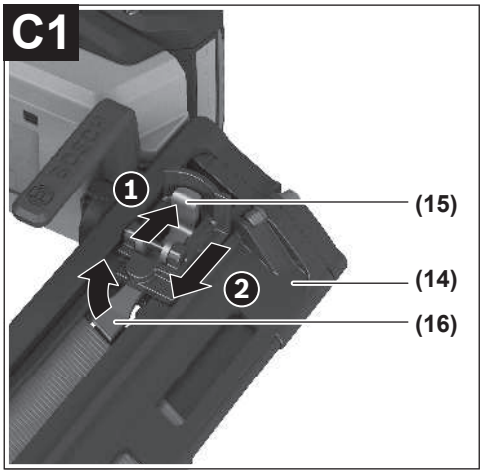

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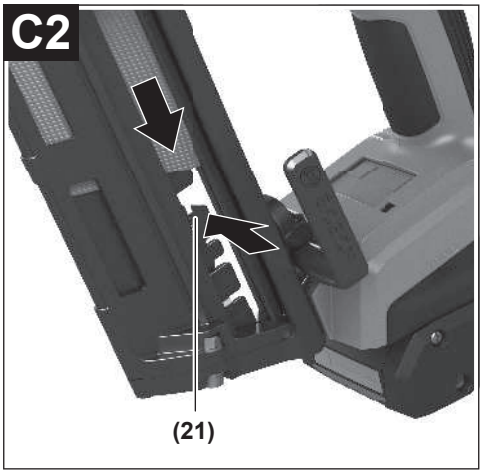

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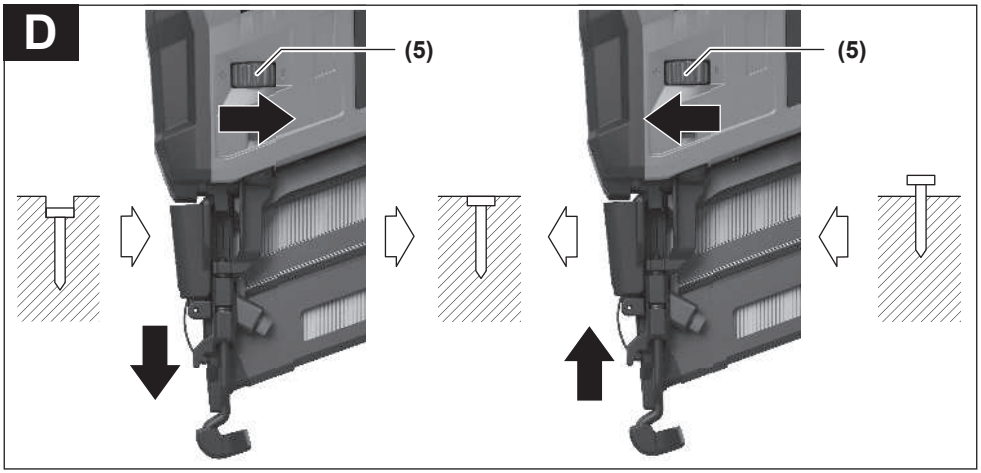

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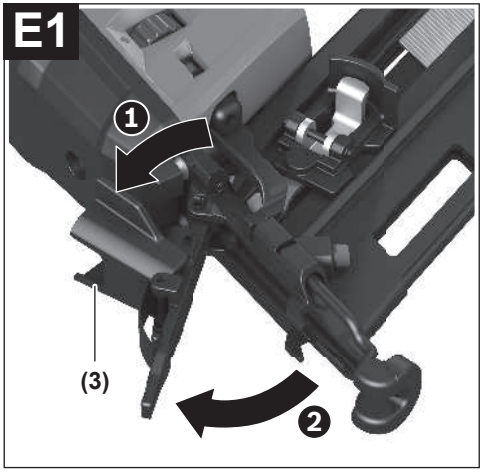

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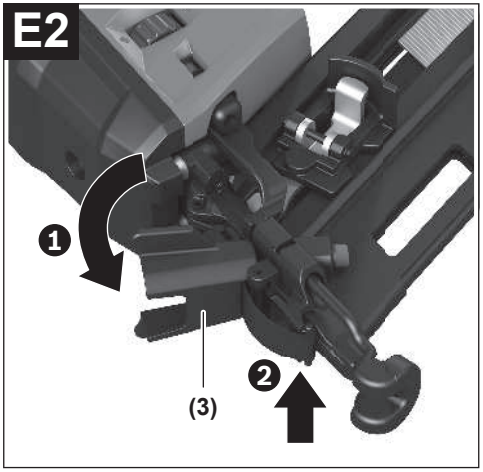

B
(23)(24)(25)(26)(27)(28)
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MODE
RESET
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C1
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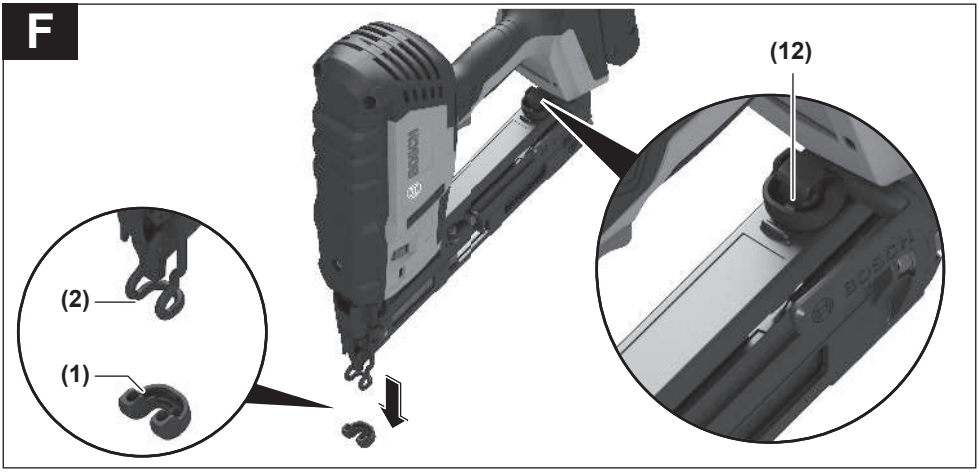

C2
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E1
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(3)
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E2
1
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(3)

F



Srpski

Bezbednosne napomene

Opšte sigurnosne napomene za električne alate

⚠ UPOZORENJE **Pročitajte sva sigurnosna upozorenja, uputstva, ilustracije i specifikacije isporučene uz ovaj električni alat.** Propusti u pridržavanju svih dolenavedenih uputstava mogu imati za posledicu električni udar, požar i/ili teške povrede.

Čuvajte sva upozorenja i uputstva za buduću upotrebu.

Pojam „električni alat“ upotrebljen u upozorenjima odnosi se na električne alate sa pogonom na struju (sa kablom) i na električne alate sa akumulatorskim pogonom (bez kabla).

Sigurnost radnog područja

- **Držite vaše radno područje čisto i dobro osvetljeno.** Nered ili neosvetljena radna područja mogu voditi nesrećama.
- **Ne radite sa električnim alatom u okolini ugroženoj eksplozijom, u kojoj se nalaze zapaljive tečnosti, gasovi ili prašina.** Električni alati stvaraju varnice koje mogu zapaliti prašinu ili isparenja.
- **Držite podalje decu i druge osobe za vreme korišćenja električnog alata.** Stvari koje vam odvraćaju pažnju mogu dovesti do gubitka kontrole.

Električna sigurnost

- **Držite električni alat što dalje od kiše ili vlage.** Prodor vode u električni alat povećava rizik od električnog udara.

Sigurnost osoblja

- **Budite pažljivi, pazite na to šta radite i postupajte razumno tokom rada sa vašim električnim alatom. Ne koristite električni alat ako ste umorni ili pod uticajem droge, alkohola ili lekova.** Momenat nepažnje kod upotrebe električnog alata može rezultirati ozbiljnim povredama.
- **Nosite ličnu zaštitnu opremu. Uvek nosite zaštitne naočare.** Nošenje zaštitne opreme, kao što je maska za prašinu, sigurnosne cipele koje ne kližu, zaštitni šlem ili zaštita za sluh, zavisno od vrste i upotrebe električnog alata, smanjuje rizik od povreda.
- **Izbegavajte nenamerno puštanje u rad. Uverite se da je električni alat isključen, pre nego što ga priključite na struju i/ili na akumulator, uzmete ga ili nosite.** Nošenje električnog alata sa prstom na prekidaču ili priključivanje na struju uključenog električnog alata vodi do nesreće.
- **Uklonite bilo kakve ključeve za podešavanje ili ključeve za zavrtnjeve, pre nego što uključite električni alat.** Ostavljanje ključa za zavrtnjeve ili ključa prikačenog na rotirajući deo električnog alata može rezultirati ličnom povredom.
- **Izbegavajte neprirodno držanje tela. Pobrinite se uvek da stabilno stojite i u svako doba održavajte ravnotežu.** Ovo omogućava bolje upravljanje električnim alatom u neočekivanim situacijama.
- **Nosite pogodnu odeću. Ne nosite široku odeću ili nakit. Držite kosu i odeću dalje od pokretnih delova.** Pokretni delovi mogu zahvatiti široku odeću, nakit ili dugu kosu.
- **Ako mogu da se montiraju uređaji za usisavanje i skupljanje prašine, uverite se da li su priključeni i upotrebljeni kako treba.** Usisavanje prašine može smanjiti rizike koji su povezani sa prašinom.
- **Ne dozvolite da pouzdanje koje ste stekli čestom upotrebom alata utiče na to da postanete neoprezni i da zanemarite sigurnosne principe za upotrebu alata.** Neoprezno delovanje može prouzrokovati teške povrede u deliću sekunde.

Upotreba i briga o električnim alatima

- **Ne preopterećujte aparat. Upotrebljavajte električni alat koji je pogodan za vaš zadatak.** Odgovarajući električni alat radi bolje i sigurnije tempom za koji je projektovan.
- **Ne koristite električni alat čiji je prekidač u kvaru.** Svaki električni alat koji se ne može kontrolisati prekidačem je opasan i mora se popraviti.
- **Izvucite utikač iz utičnice i/ili izvadite akumulatorsku bateriju iz električnog alata, ukoliko je to moguće, pre nego što izvršite bilo kakva podešavanja, promenu pribora ili pre nego što uskladištite električni alat.** Takve preventivne sigurnosne mere smanjuju rizik od slučajnog pokretanja električnog alata.
- **Čuvajte nekorišćene električne alate izvan dometa dece i ne dozvoljavajte korišćenje alata osobama koje ne poznaju isti ili nisu pročitale ova uputstva.** U rukama neobučenih korisnika električni alati postaju opasni.
- **Održavajte električni alat i pribor. Proverite da li pokretni delovi aparata besprekorno funkcionišu i da li su dobro povezani, da li su delovi možda polomljeni ili su tako oštećeni da je ugroženo funkcionisanje električnog alata. Pre upotrebe popravite alat ukoliko je oštećen.** Mnoge nesreće su prouzrokovane lošim održavanjem električnih alata.
- **Održavajte alate za sečenje oštre i čiste.** Sa adekvatno održavanim alatom za sečenje sa oštrim sečivima manja je verovatnoća da će doći do zapinjanja i upravljanje je jednostavnije.
- **Upotrebljavajte električni alat, pribor, alate koji se umeću itd. prema ovim uputstvima. Obratite pažnju pritom na uslove rada i posao koji morate obaviti.** Upotreba električnog alata za namene drugačije od predviđenih može voditi opasnim situacijama.
- **Održavajte drške i prihvatne površine suvim, čistim i bez ostataka ulja ili masnoće.** Klizave drške ili prihvatne površine ne omogućavaju bezbedno rukovanje i upravljanje alatom u neočekivanim situacijama.

Upotreba i briga o alatu na akumulatorski pogon

- ▶ **Punite samo u aparatima za punjenje, koje je preporučio proizvođač.** Punjač koji je pogodan za jednu vrstu akumulatorske baterije može stvoriti rizik od požara ako se koristi za drugačiju akumulatorsku bateriju.
- ▶ **Upotrebljavajte električni alat samo zajedno sa akumulatorskim baterijama namenjenim za njih.** Upotreba bilo kojih drugih akumulatorskih baterija može stvoriti rizik od povrede ili požara.
- ▶ **Držite nekorišćenu akumulatorsku bateriju dalje od drugih metalnih objekata, poput kancelarijskih spajalica, novčića, ključeva, eksera, zavrtnja ili drugih malih metalnih predmeta, koji mogu prouzrokovati povezivanje jednog terminala sa drugim.** Kratak spoj između baterijskih terminala može prouzrokovati opekotine ili požar.
- ▶ **Kod pogrešne primene iz akumulatorske baterije može biti izbačena tečnost. Izbegavajte kontakt sa njom . Kod slučajnog kontakta isperite sa vodom. Ako tečnost dospe u oči, potražite i dodatnu lekarsku pomoć.** Tečnost iz akumulatora može prouzrokovati iritaciju ili opekotine.
- ▶ **Ne koristite akumulatorsku bateriju ili alat koji je oštećen ili modifikovan.** Oštećene ili modifikovane akumulatorske baterije mogu se ponašati nepredvidivo, što može rezultirati požarom, eksplozijom ili povredom.
- ▶ **Ne izlažite akumulatorsku bateriju ili alat vatri ili visokim temperaturama.** Izlaganje vatri ili temperaturama iznad 130 °C može prouzrokovati eksploziju.
- ▶ **Pridržavajte se svih uputstava u vezi sa punjenjem i ne punite akumulatorsku bateriju ili alat izvan temperaturnog opsega naznačenog u uputstvima.** Nepropisno punjenje ili punjenje na temperaturama izvan naznačenog opsega može oštetiti akumulatorsku bateriju i povećati rizik od požara.

Servisiranje

- ▶ **Neka vam vaš električni alat popravlja samo kvalifikovano osoblje, koristeći samo originalne rezervne delove.** Ovo će osigurati očuvanje bezbednosti električnog alata.
- ▶ **Nikada ne servisirajte oštećene akumulatorske baterije.** Servisiranje akumulatorskih baterija treba da vrše isključivo proizvođač ili ovlašćeni serviseri.

Bezbednosna upozorenja za pištolj za zakucavanje eksera

- ▶ **Uvek pretpostavite da pištolj za zakucavanje eksera sadrži spajalice.** Nesavesno rukovanje pištoljem za zakucavanje eksera može dovesti do neočekivanog okidanja spajalica i do telesnih povreda.
- ▶ **Isključite alat sa izvora napajanja prilikom postavljanja i vađenja spajalica, vršenja podešavanja ili zamene pribora.** Alat može slučajno da se aktivira ako je povezana na izvor napajanja, što može dovesti do telesne povrede.
- ▶ **Budite pažljivi prilikom rukovanja spajalicama, posebno prilikom postavljanja i vađenja.** Spajalice imaju oštre vrhove koje mogu dovesti do lične povrede.
- ▶ **Ne usmeravajte pištolj za zakucavanje eksera prema sebi ili bilo kome drugom u blizini.** Neočekivano okidanje će izbaciti spajalicu, što može da dovede do telesne povrede.
- ▶ **Držite prste dalje od okidača kada ne rukujete pištoljem za zakucavanje eksera i prilikom pomeranja sa jednom radnog položaja na drugi.** Neočekivano okidanje će izbaciti spajalicu, što može da dovede do telesne povrede.
- ▶ **Pištolj za zakucavanje eksera držite za izolovane prihvatne površine prilikom izvođenja operacije gde spajalica može doći u kontakt sa skrivenim žicama.** Spajalica u kontaktu sa provodnom žicom može dovesti do toga da izloženi metalni delovi pištolja za zakucavanje eksera postanu provodni i tako izložiti rukovaoca strujnom udaru.
- ▶ **Tokom rada, pištolj za zakucavanje eksera čvrsto držite.** Nekontrolisani trzaj pištolja za zakucavanje eksera može da dovede do slučajnog aktiviranja, što može da uzrokuje telesnu povredu.
- ▶ **Sve delove tela, kao što su noge i ruke itd., držite dalje od smera otpuštanja spajalice sa pištolja za zakucavanje eksera.** Spajalica može da prodre kroz predmet obrade kao i kroz bilo koji predmet iza njega, što može da dovede do telesne povrede.
- ▶ **Prilikom korišćenja pištolja za zakucavanje eksera, sve delove tela, kao što su ruke i noge itd., držite dalje od oblasti u kojoj se spajalice zakucavaju u predmet obrade.** Spajalica može da se odbije i izađe iz predmeta obrade, što može da dovede do telesne povrede.
- ▶ **Ne aktivirajte pištolj za zakucavanje eksera ukoliko nije postavljen čvrsto na predmet obrade.** Ako pištolj za zakucavanje eksera nije u kontaktu sa predmetom obrade, spajalica se može odbiti od predmeta obrade, što može dovesti do telesne povrede.
- ▶ **Ne koristite ovaj pištolj za zakucavanje eksera za pričvršćivanje električnih kablova.** Ona nije namenjena za električnu instalaciju i može oštetiti izolaciju električnih kablova i time izazvati električni udar ili rizik od požara.
- ▶ **Isključite pištolj za zakucavanje eksera nije u kontaktu sa predmetom obrade za sa izvora napajanja kada se spajalica zaglavi u alatu.** Prilikom vađenja zaglavljene spajalice, pištolj za zakucavanje eksera nije u kontaktu sa predmetom obrade može slučajno da se aktivira ako je povezan na izvor napajanja, što može dovesti do telesne povrede.
- ▶ **Budite pažljivi prilikom uklanjanja zaglavljenog pričvršćivača.** Mehanizam može biti pod kompresijom i spajalica može biti snažno ispuštena, što može dovesti do telesnih povreda.
- ▶ **Koristite odgovarajuće aparate za detekciju, da biste pronašli skrivene vodove snabdevanja, ili pozovite lokalnog distributera električne energije.** Kontakt sa električnim vodovima može da dovede do požara i

strujnog udara. Oštećenja gasovoda mogu da dovedu do eksplozije. Prodiranje u cevovod sa vodom može da uzrokuje materijalnu štetu.

- ▶ **Kod oštećenja i nestručne upotrebe akumulatora može doći do isparavanja. Akumulator može da se zapali ili eksplodira.** Dovedite svež vazduh i potražite lekara ako dođe do tegoba. Para može nadražiti disajne puteve.
- ▶ **Nemojte menjati i otvarati akumulator.** Postoji opasnost od kratkog spoja.
- ▶ **Baterija može da se ošteti šiljatim predmetima, kao npr. ekserima ili odvijačima zavrtnjeva ili usled dejstva neke spoljne sile.** Može da dođe do internog kratkog spoja i akumulatorska baterija može da izgori, dimi, eksplodira ili da se pregreje.
- ▶ **Akumulator koristite samo u proizvodima proizvođača.** Samo tako se akumulator štiti od opasnog preopterećenja.





Zaštitite akumulatore od izvora toplote, npr. od trajnog sunčevog zračenja, vatre, prljavštine, vode i vlage. Postoji opasnost od eksplozije i kratkog spoja.



Nosite zaštitu za sluh. Uticaj buke može da dovede do gubitka sluha.



Nosite zaštitne naočare. Leteći otpaci mogu izazvati povrede očiju.

Opis proizvoda i primene



Pročitajte sve bezbednosne napomene i uputstva. Propusti u poštovanju bezbednosnih napomena i uputstava mogu da prouzrokuju električni udar, požar i/ili teške povrede.

Vodite računa o slikama u prednjem delu upustva za rad.

Namenska upotreba

Električni alat je namenjen za ukivanje eksera u drvo. Mogu se koristiti samo predmeti za zakivanje (ekseri, spajalice itd.), koji su navedeni u tabeli „Tehnički podaci“.

Napomena: Električni alat nije namenjen za ukucavanje eksera u metal ili beton.

Nemojte koristiti električni alat u režimu kontaktnog okidanja sa automatskim povraćajem dok radite na skeli, merdevinama ili drugoj platformi i neophodna je promena radnog položaja. U tom slučaju, režim pojedinačnog okidanja koristite isključivo sa sigurnosnim redosledom.

Prikazane komponente

Označavanje brojevima prikazanih komponenata odnosi se na prikaz električnog alata na grafičkoj stranici.

(1) Zaštita radnog komada
(2) Osigurač okidača
(3) Stezna poluga za otvaranje/zatvaranje kanala za ispaljivanje
(4) Prikaz za podešavanje graničnika dubine
(5) Točkić za podešavanje graničnika dubine
(6) Okidač
(7) Prekidač za uključivanje / isključivanje
(8) Taster za deblokadu akumulatorske baterije
(9) Korisnički interfejs
(10) Radno svetlo
(11) Akumulatorska baterija
(12) Depo za čuvanje zaštite radnog komada
(13) Pojasna kuka
(14) Magacin
(15) Klizač magacina
(16) Prihvatač eksera
(17) Prozor pokazivača dopune
(18) Otvor
(19) Drška (izolovana površina za držanje)
(20) Traka sa ekserima[a)]
(21) Opruga magacina

Korisnički interfejs

(22) Taster za izbor režima rada
(23) Prikaz pojedinačnog okidanja
(24) Prikaz kontaktnog okidanja
(25) Prikaz stanja
(26) Prikaz statusa napunjenosti akumulatorske baterije
(27) Prikaz niskog stepena održavanja
(28) Prikaz visokog stepena održavanja
(29) Taster za resetovanje

a) **Ovaj pribor ne spada u standardni obim isporuke.**

Tehnički podaci

Akumulatorski pištolj za eksere		GNH 18V-64 MD
Kataloški broj		**3 601 D82 2..**
Nazivni napon	V=	18
Sistemi okidanja		
– Pojedinačno okidanje sa sigurnosnim redosledom		●
– Kontaktno okidanje sa automatskim vraćanjem		●
Predmet za zakivanje		
– Tip		Ekser sa D glavom

Akumulatorski pištolj za eksere		GNH 18V-64 MD
– Dužina	mm	32–64
– Prečnik	mm	1,8
	ga	15
– Ugao	°	34
Maks. kapacitet magacina		105
Dimenzije (bez akumulatora)		
– Visina	mm	323
– Širina	mm	95
– Dužina sa zaštitom radnog komada	mm	385
Težina[A)]	kg	3,1
Preporučena temperatura okruženja prilikom punjenja	°C	0 … +35
Dozvoljena temperatura okruženja tokom rada[B)C)] i pri skladištenju	°C	–20 … +50
Kompatibilni akumulatori		GBA18V… GBA 18V… ProCORE18V… EXPERT18V… EXBA18V… CORE18V…
Preporučeni akumulatori		GBA 18V… ≥ 2,0 Ah ProCORE18V… ≥ 4,0 Ah
Preporučeni uređaji za punjenje		GAL18… GAL 18… GAL 36… GAL12V/18… GAL 12V/18… GAX 18… EXAL18…

A) Bez akumulatora (Težinu akumulatora možete pogledati na www.bosch-professional.com)

B) ograničeni učinak na temperaturama < 0 °C

C) Ograničena snaga sa GBA 18V…

Vrednosti mogu da se razlikuju u zavisnosti od proizvoda i zavise od uslova upotrebe i uslova iz okoline. Dodatne informacije možete pogledati na adresi www.bosch-professional.com/wac.

Informacije o buci/vibracijama

Vrednosti emisije buke utvrđene u skladu sa **EN IEC 62841-2-16**.

Nivo buke električnog alata klasifikovan pod A iznosi tipično: nivo zvučnog pritiska **88** dB(A); nivo zvučne snage **99** dB(A). Nesigurnost K = **3** dB.

Nosite zaštitu za uši!

Vrednosti vibracije a_h (kontinuirane vibracije), p_F (ponovljene udarne vibracije) i nesigurnost K utvrđeni u skladu sa **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)

Nivo vibracija i vrednosti emisije buke, koji su navedeni u ovim uputstvima, su izmereni prema standardizovanom mernom postupku i mogu se koristiti za međusobno poređenje električnih alata. Pogodni su i za privremenu procenu emisije vibracije i buke.

Navedeni nivo vibracija i vrednost emisije buke predstavljaju realnu upotrebu električnog alata. Međutim, ako se električni alat upotrebljava za druge namene, sa drugim umetnim alatima ili ako se nedovoljno održava, može doći do odstupanja nivoa vibracija i vrednosti emisije buke. Ovo može u značajnoj meri povećati emisiju vibracija i buke tokom celokupnog perioda korišćenja.

Za tačnu procenu emisije vibracija i buke trebalo bi uzeti u obzir i vreme u kojem je uređaj isključen ili u situaciji da radi, ali nije zaista u upotrebi. Ovo može značajno redukovati emisije vibracija i buke tokom celokupnog perioda korišćenja.

Utvrdite dodatne sigurnosne mere radi zaštite korisnika od delovanja vibracija kao na primer: održavanje električnog alata i umetnog alata, održavanje toplih ruku, organizacija radnih postupaka.

Akumulator

Bosch prodaje akumulatorske električne alate i bez akumulatora. Na pakovanju možete pogledati da li se u sadržaju isporuke vašeg alata nalazi i akumulator.

Punjenje akumulatora

▶ **Koristite samo punjače koji su navedeni u tehničkim podacima.** Samo ovi punjači su usaglašeni sa litijum-jonskom akumulatorskom baterijom koja se koristi u Vašem električnom alatu.

Napomena: Litijum-jonski akumulatori se zbog međunarodnih transportnih propisa isporučuju delimično napunjeni. Da biste osigurali punu snagu akumulatora, pre prve upotrebe ga potpuno napunite.

Ubacivanje akumulatora

Ubacite napunjeni akumulator u prihvat akumulatora tako da nalegne na mesto.

Vađenje akumulatora

Za vađenje akumulatora pritisnite taster za deblokadu akumulatora i izvucite akumulator. **Ne koristite pritom silu.**

Akumulator raspolaže sa 2 stepena blokade, koji treba da spreče da akumulator ispadne usled nenamernog pritiskanja tastera za deblokadu akumulatora. Dokle god se akumulator nalazi u električnom alatu, opruga ga drži na mestu.

Prikaz statusa napunjenosti akumulatora

Napomena: Nema svaki tip akumulatora na raspolaganju prikaz statusa napunjenosti.

Zeleni LED indikatori prikaza napunjenosti akumulatora prikazuju status napunjenosti akumulatora. Iz sigurnosnih razloga, provera stanja napunjenosti je moguća samo kada je električni alat u stanju mirovanja.

Pritisnite taster za prikaz statusa napunjenosti ⏻ ili ▭ da bi bio prikazan status napunjenosti. To je moguće i kada je demontiran akumulator.

Ukoliko nakon pritiskanja tastera za prikaz statusa napunjenosti ne svetli nijedan LED indikator, znači da je akumulator neispravan i da mora biti zamenjen.

Status napunjenosti akumulatora se prikazuje i na korisničkom interfejsu (videti „Prikazi stanja“, Strana 12).

Tip akumulatora GBA 18V... | GBA18V...



LED	Kapacitet
Trajno svetlo 3 × zeleno	60–100%
Trajno svetlo 2 × zeleno	30–60%
Trajno svetlo 1 × zeleno	5–30%
Trepćuće svetlo 1 × zeleno	0–5%

Tip akumulatora ProCORE18V... | EXPERT18V... | EXBA18V... | CORE18V...



LED	Kapacitet
Trajno svetlo 5 × zeleno	80–100%
Trajno svetlo 4 × zeleno	60–80%
Trajno svetlo 3 × zeleno	40–60%
Trajno svetlo 2 × zeleno	20–40%
Trajno svetlo 1 × zeleno	5–20%
Trepćuće svetlo 1 × zeleno	0–5%

Prepoznavanje rizika od kvara akumulatora

EXPERT18V... | EXBA18V...

LED lampice prikaza statusa napunjenosti akumulatora pored nivoa napunjenosti akumulatora mogu da prikazuju i rizik oa kvara akumulatora.

Da biste aktivirali ovu funkciju, držite taster za prikaz statusa napunjenosti ▭ 3 sekunde. Svetlosni niz prikaza statusa napunjenosti akumulatora pokazuje analizu akumulatora. Rezultat se prikazuje na prikazu statusa napunjenosti akumulatora.



1 LED lampica: Akumulator ima veliki rizik od kvara. Snaga i vreme rada mogu već da budu umanjeni. Preporučujemo zamenu akumulatora.



5 LED lampica: Akumulator je u dobrom stanju sa malim rizikom od kvara.

Vodite računa: Procena rizika od kvara akumulatora funkcioniše u dve faze i pruža jednostavnu ocenu stanja. Ocenjuje se da je akumulator u dobrom stanju ili da ima povećan rizik od kvara. Stanje baterije se ne prikazuje u procentima.

Uputstva za optimalno ophodjenje sa akumulatorom

Zaštitite akumulator od vlade i vode.

Lagerujte akumulator samo u području temperature od −20 °C do 50 °C. Ne ostavljajte akumulator leti npr. u autu.

Čistite povremeno proreze za ventilaciju akumulatora sa mekom, čistom i suvom četkicom.

Bitno skraćeno vreme rada posle punjenja pokazuje da je akumulator istrošen i da se mora zameniti.

Obratite pažnju na uputstva za uklanjanje otpada.

Montaža

▶ **Pre svih radova na električnom alatu (npr. prilikom održavanja, promene alata itd.) izvadite akumulator.** Kod slučajnog aktiviranja prekidača za uključivanje/isključivanje postoji opasnost od povrede.

Opremanje magacina (videti sliku A1–A4)

▶ **Skinite akumulator, pre nego što izvršite podešavanja uređaja, zamenite dodatke ili odložite električni alat.** Ova mera opreza sprečava nenamerno pokretanje električnog alata.

Koristite samo originalni Bosch pribor. Precizni delovi električnog alata, kao što su magacin, otvor i kanal za ispaljivanje odgovaraju **spajalicama, ekserima i čivijama Bosch**. Drugi proizvođači upotrebljavaju drugi kvalitet čelika i dimenzije.

Napomena: Koristite samo predmete za zakivanje koji su navedeni u tabeli „Tehnički podaci“.

Korišćenje nedozvoljenih predmeta za zakivanje može da ošteti električni alat i prouzrokuje povrede.

Električni alat tokom opremanja magacina držite tako da otvor **(18)** ne bude usmeren ka vama niti ka drugim osobama.

– Po potrebi očistite klizač magacina **(15)** i uverite da magacin **(14)** nije zaprljan.
– Umetnite odgovarajuću traku sa ekserima **(20)** u T prorez na kraju magacina **(14)**.
– Traku sa ekserima gurajte unapred u magacin sve dok poslednji ekser ne nalegne na oprugu magacina **(21)**.

Napomena: Elektronska kontrola prepoznaje da li se u magacinu nalaze ekseri. Kada potpuno pritisnete osigurač okidača kada je magacin prazan, ne pokreće se postupak zakivanja. Tako se sprečava ispaljivanje u prazno.

– Prenapregnut prihvatač eksera **(16)** pritisnite prema klizaču magacina **(15)** i istovremeno u potpunosti povucite klizač magacina do kraja magacina **(14)**.

Napomena: Klizač magacina se mora vraćati nazad bez velike primene sile (samo pomoću prsta). Zaglavljeni klizač magacina ima sledeće posledice: Ekser se ne ispaljuje, ostaje u kanalu za ispaljivanje (videti Zaglavljivanje) ili se ispaljuje pod nepravilnom uglu.

– Klizač magacina **(15)** pomerite pažljivo unapred sa pritisnutim prihvatačem eksera **(16)**, sve dok se

prihvatač eksera ne pomeri preko poslednjeg eksera i tako traku sa ekserima gurajte sasvim unapred u magacin.

Napomena: Ne dozvolite da klizač magacina sklizne unazad bez navođenja. Klizač magacina se pritom može oštetiti i postoji opasnost od prignječenja vaših prstiju.

Režim rada

Sistemi okidanja

Pojedinačno okidanje sa sigurnosnim redosledom

Kod ovog sistema okidanja, osigurač okidača **(2)** mora biti čvrsto postavljen na radni komad. Predmet za zakivanje neće biti izbačen sve dok se ne pritisne okidač **(6)**.
Posle toga, dalji postupci zakivanja mogu se pokrenuti samo ako su okidač i osigurač okidača prethodno vraćeni u početni položaj.

Kontaktno okidanje sa automatskim povraćajem

Kod ovog sistema okidanja, najpre se mora pritisnuti okidač **(6)** i zadržati u ovom položaju. Nakon toga, osigurač okidača mora biti čvrsto postavljen na radni komad, kako bi se ispalio predmet za zakivanje. Sve dok se okidač **(6)** pritiska, dodatni postupci zakivanja se mogu aktivirati ponovnim postavljanjem na drugom mestu.
U režimu **Kontaktno okidanje**, ekser se može zakucati i pojedinačnim okidanjem.

Puštanje u rad

Uključivanje/isključivanje

- Za **uključivanje** električnog alata, pritisnite prekidač za uključivanje/isključivanje **(7)**.
  Korisnički interfejs počinje da svetli.
  Pojedinačno okidanje je aktivirano, prikaz pojedinačnog okidanja **(23)** svetli.
- Za **isključivanje** električnog alata, pritisnite prekidač za uključivanje/isključivanje **(7)**.

Prikazi stanja

Ispaljivanje eksera – pojedinačno okidanje

- Uključite električni alat.
- Otvor **(18)** ili po potrebi gumiranu zaštitu radnog komada **(1)** postavite čvrsto na radni komad, sve dok se potpuno ne pritisne osigurač okidača **(2)**.
  Radno svetlo se uključuje i motor se pokreće.
- Zatim nakratko pritisnite okidač **(6)** i ponovo ga otpustite.
  Pritom se ispaljuje ekser.
- Ostavite električni alat da se odbije nazad od radnog komada.
- Za sledeći postupak zakivanja, radni komad podignite u potpunosti i ponovo ga fiksno postavite na sledećem željenom mestu.

Ispaljivanje eksera – kontaktno okidanje

- Uključite električni alat.
- Aktivirajte kontaktno okidanje, tako što ćete nakratko pritisnuti taster za izbor režima Mode **(22)**.
  Prikaz kontaktnog okidanja **(24)** svetli.
- Držite okidač **(6)** pritisnutim.
  Uključuje se radno svetlo i motor se pokreće.
- Otvor **(18)** ili po potrebi gumiranu zaštitu radnog komada **(1)** postavite čvrsto na radni komad, sve dok se potpuno ne pritisne osigurač okidača **(2)**.
  Pritom se ispaljuje ekser.
- Za sledeći postupak zakivanja, okidač **(6)** i dalje držite pritisnutim i električni alat u potpunosti podignite sa radnog komada. Ponovo ga fiksno postavite na sledećem željenom mestu.
- Prebacite se na pojedinačno okidanje, ponovnim pritiskom na taster Mode **(22)**.
  Prikaz pojedinačnog okidanja **(23)** svetli.

Korisnički interfejs (videti sliku B)

Korisnički interfejs **(9)** služi za izbor režima rada i prikaz stanja električnog alata.

Prikaz stanja električnog alata (25)		
Boja	**Značenje**	**Rešenje**
zeleno	Električni alat je uključen i spreman za upotrebu.	–
žuto	Rezultat zahteva vašu pažnju: kritična temperatura, akumulator je skoro prazan ili predstoji održavanje.	– Sačekajte da se električni alat ohladi. – Zamenite odnosno napunite akumulator. – Obavite održavanje.
crveno	Električni alat nije spreman za rad. Razlog: električni alat se pregrejao, akumulator je prazan ili postoji mehanička greška.	– Sačekajte da se električni alat ohladi. – Zamenite odnosno napunite akumulator. – Obavite održavanje.
treperi crveno	– Prerano ste pritisnuli okidač **(6)**. – Niste pritisnuli okidač **(6)** u roku od 5 s, motor se automatski isključuje. – Prekidači su aktivirani pogrešnim redosledom (npr. okidač je pritisnut pre nego što je električni alat prebačen u režim kontaktnog okidanja).	– Malo sačekajte dok prikaz stanja zasvetli zeleno. – Električni alat je ponovo spreman za rad. – Ponovo izvršite postupak zakivanja i vodite računa o ispravnom redosledu aktiviranja. – Na korisničkom interfejsu promenite sistem okidanja.

Prikaz statusa napunjenosti akumulatora (26)		
Simbol	**Boja**	**Status napunjenosti**
–	–	20–100%
	žuta	1–20%
	crvena	0–1%

Prikaz održavanja			
Simbol	**Boja**	**Značenje**	**Rešenje**
	žuta	Predstoji planirano održavanje, stepen „nisko“.	Kontaktirajte korisnički servis.
	žuta	Predstoji planirano održavanje, stepen „visoko“.	Kontaktirajte korisnički servis.

Za resetovanje brojača za održavanje nakon održavanja, pritisnite taster Reset **(29)**.

Napomene za rad

Pre svakog početka rada proverite besprekorno funkcionisanje sigurnosnih i okidačkih mehanizama, kao i fiksnog naleganja svih zavrtnjeva i navrtki.
Električni alat koji je neispravan ili ne radi besprekorno odmah razdvojite sa dovoda energije i kontaktirajte ovlašćeni Bosch korisnički servis.

Ne vršite nikakve nepropisne manipulacije na električnom alatu. Nemojte demontirati ili blokirati nikakve delove električnog alata, kao npr. osigurač okidača.

Ne vršite nikakve „hitne popravke“ sa neodgovarajućim sredstvima. Električni alat održavajte redovno i propisno.

Izbegavajte bilo kakvo slabljenje i oštećenje električnog alata, npr. zbog:
- udaranja ili urezivanja,
- mera prepravki koje proizvođač nije odobrio,
- vođenja po šablonima izrađenih od tvrdog materijala, npr. čelika,
- ispuštanja na pod ili guranja po podu,
- korišćenja kao čekić,
- primene svake vrste sile.

Uverite se šta se nalazi ispod ili iza vašeg radnog komada. Ne ukucavajte eksere u zidove, plafone ili podove, ako se iza njih nalaze ljudi. Ekser može da probije radni komad i nekoga da povredi.

Ne ispaljujte eksere na već ukucane eksere. Ekser se pritom može deformisati, ekseri se mogu zaglaviti ili električni alat se može nekontrolisano pomerati.

Ukoliko se električni alat koristi u hladnim okolnim uslovima, prvi ekseri se ukucavaju sporije nego što je to uobičajeno. Nakon što se električni alat zagrejao tokom rada, opet je omogućena normalna radna brzina.

Izbegavajte ispaljivanja na prazno, kako biste sprečili habanje udarnog utiskivača.

Tokom dužih pauzi u radu ili pri kraju rada isključite električni alat, izvadite akumulator i po mogućstvu ispraznite magacin.

Pražnjenje magacina (videti slike C1–C2)
- Isključite električni alat i izvadite akumulator **(11)**.
- Povucite klizač magacina **(15)** unazad dok držite pritisnutim prihvatač eksera **(16)**, sve dok prihvatač eksera ne oslobodi poslednji ekser, a zatim pažljivo pomerite klizač magacina napred do početka magacina **(14)**.

Napomena: Ne dozvolite da klizač magacina sklizne unazad bez navođenja. Klizač magacina se pritom može oštetiti i postoji opasnost od prignječenja vaših prstiju.
- Električni alat okrenite tako da ekseri u magacinu kliznu unazad sve do opruge magacina **(21)**.
- Utisnite oprugu magacina i pustite da ekser na prihvataču eksera **(16)** sklizne iz magacina **(14)**.

Podešavanje graničnika za dubinu (videti sliku D)

Dubina zabijanja eksera može se podesiti pomoću točkića za podešavanje **(5)**.
- Ispraznite magacin **(14)**.
- **Ekseri se zabijaju previše duboko:** Kako biste smanjili dubinu zabijanja, točkić za podešavanje **(5)** okrenite u smeru „–“.



- **Ekseri se ne zabijaju dovoljno duboko:** Kako biste povećali dubinu zabijanja, točkić za podešavanje **(5)** okrenite u smeru „+“.



Na prikazu podešavanja graničnika za dubinu **(4)** možete da kontrolišite podešavanje graničnika za dubinu.
- Opet opremite magacin.
- Novu dubinu zabijanja testirajte na novom radnom komadu.
  Po potrebi, ponovite radne korake.

Otklanjanje zaglavljivanja (videti slike E1–E2)

Pojedinačni ekseri mogu se zaglaviti u kanalu za ispaljivanje. Ukoliko se to često dešava, kontaktirajte ovlašćeni Bosch korisnički servis.

Napomena: Ako se udarni utiskivač ne pomeri unazad nakon otklanjanja zaglavljivanja, kontaktirajte ovlašćeni Bosch korisnički servis.

– Otpustite okidač **(6)**.
– Isključite električni alat i izvadite akumulator **(11)**.
– Ispraznite magacin **(14)**.
– Pritisnite steznu polugu **(3)** nadole, tako da se kanal za ispaljivanje može otvoriti.
– Uklonite zaglavljeni ekser. Po potrebi, za to koristite klešta.
– Zatvorite kanal za ispaljivanje, zakačite luk stezne poluge **(3)** u kuku kanala za ispaljivanje i potom steznu polugu opet pritisnite nagore.
– Opet opremite magacin.

Zamena zaštite radnog komada (videti sliku F)

Zaštita radnog komada **(1)** na kraju osigurača okidača **(2)** štiti radni komad, sve dok se električni alat ne postavi pravilno za postupak zakivanja. Zaštita radnog komada može da se ukloni i zameni

– Otpustite okidač **(6)**.
– Isključite električni alat i izvadite akumulator **(11)**.
– Ispraznite magacin **(14)**.
– Skinite zaštitu radnog komada sa osigurača okidača.
– Pomerajte novu zaštitu radnog komada sa otvorenim krajem preko osigurača okidača.

Napomena: Rezervna zaštita radnog komada može se čuvati na gornjoj strani magacina **(14)**. U tu svrhu pomerite zaštitu radnog komada u depo **(12)**.

Transport i čuvanje

Za transportovanje isključite električni alat, naročito kada koristite merdevine ili se krećete uz nepovoljno držanje tela.

Električni alat na radnom mestu nosite samo za ručku **(19)** i sa neaktiviranim okidačem **(6)**.

Električni alat čuvajte uvek odvojeno od akumulatora i na suvom, toplom mestu.

Kada se električni alat ne koristi duže vreme, delove alata od čelika premažite tankim slojem ulja. To sprečava stvaranje rđe.

Održavanje i servis

Održavanje i čišćenje

▶ **Pre svih radova na električnom alatu (npr. prilikom održavanja, promene alata itd.) izvadite akumulator.** Kod slučajnog aktiviranja prekidača za uključivanje/isključivanje postoji opasnost od povrede.

▶ **Održavajte električni alat i proreze za ventilaciju čistima da biste radili dobro i bezbedno.**

Plan održavanja

Očistite magacin **(14)**. Uklonite plastičnu ili drvenu piljevinu, koja se nakupila u magacinu tokom rada. Čistite električni alat u redovnim intervalima pomoću komprimovanog vazduha.

Mera	Razlog	Izvršenje
Očistite magacin **(14)** i klizač magacina **(15)**.	Sprečava da se zaglavi ekser.	– Svakodnevno izduvavajte mehanizam magacina/klizača magacina pomoću komprimovanog vazduha.
Uverite se da osigurač okidača **(2)** pravilno funkcioniše.	Unapređuje vašu sigurnost u radu i efikasno korišćenje električnog alata.	– Svakodnevno izduvavajte mehanizam osigurača okidača pomoću komprimovanog vazduha.

Otklanjanje smetnje

Problem	Uzrok	Otklanjane problema
Električni alat nije spreman za rad.	Akumulator nije napunjen ili je neispravan.	– Akumulator u potpunosti napunite ili ga zamenite.
	Akumulator nije pravilno postavljen.	– Uverite se da je akumulator uklopljen na ručki.
	Temperatura akumulatora je previsoka ili preniska.	– Sačekajte dok akumulator (opet) ne dostigne optimalnu radnu temperaturu.
	Kontakti akumulatora, motor ili linearni elektromagnet su zaprljani ili neispravni.	– Kontaktirajte ovlašćeni Bosch korisnički servis. Tamo zamenite komponentu.
	Magacin **(14)** je prazan.	– Ponovo opremite magacin. (videti „Opremanje magacina (videti sliku **A1**–**A4**)“, Strana 11)
	Sigurnosni mehanizam okidača **(2)** je savijen.	– Kontaktirajte ovlašćeni Bosch korisnički servis. Tamo zamenite komponentu.
	Elektronika je neispravna.	– Kontaktirajte ovlašćeni Bosch korisnički servis.

Problem	Uzrok	Otklanjane problema
	Korisnički interfejs **(9)** je neispravan.	– Kontaktirajte ovlašćeni Bosch korisnički servis.
Električni alat je spreman za rad, ali ekseri se ne ispaljuju.	Moguć kvar na sledećim komponentama: – Okidač **(6)** – Udarni utiskivač – Motor ili pogonski kaiš – Elektronika – Gumene trake	– Kontaktirajte ovlašćeni Bosch korisnički servis. Tamo zamenite komponentu.
	Strane čestice su se nakupile u mehanizmu za ispaljivanje.	– Kontaktirajte ovlašćeni Bosch korisnički servis. Tamo zamenite komponentu.
	Strana tela su se nakupila u otvoru **(18)** ili magacinu **(14)**.	– Očistite otvor **(18)** ili magacin **(14)**.
	Ekser se zaglavio u kanalu za ispaljivanje.	– Otklonite zaglavljivanje. (videti „Otklanjanje zaglavljivanja (videti slike **E1**–**E2**)“, Strana 13)
	Klizač magacina **(15)** je neispravan.	– Po potrebi očistite klizač magacina **(15)** i uverite da magacin **(14)** nije zaprljan.
	Opruga klizača magacina je preslaba ili neispravna.	– Kontaktirajte ovlašćeni Bosch korisnički servis. Tamo zamenite komponentu.
	Korišćeni predmeti za zakivanje su nedozvoljeni.	– Koristite samo originalni pribor. Mogu se koristiti samo predmeti za zakivanje (ekseri, spajalice itd.), koji su navedeni u tabeli „Tehnički podaci“.
	Magacin **(14)** je prazan.	– Ponovo opremite magacin. (videti „Opremanje magacina (videti sliku **A1**–**A4**)“, Strana 11)
	Aktiviran je pogrešan redosled okidanja.	– Ponovo izvršite postupak zakivanja i vodite računa o ispravnom redosledu aktiviranja. – Na korisničkom interfejsu promenite sistem okidanja.
Ekseri se zabijaju previše duboko.	Graničnik dubine je previše duboko podešen.	– Podesite graničnik dubine na željenu dubinu. (videti „Podešavanje graničnika za dubinu (videti sliku **D**)“, Strana 13)
	Odbojnik je potrošen.	– Kontaktirajte ovlašćeni Bosch korisnički servis. Tamo zamenite komponentu.
Ekseri se ne zabijaju dovoljno duboko.	Akumulator nije napunjen ili je neispravan.	– Akumulator u potpunosti napunite ili ga zamenite.
	Predmeti za zakivanje su predugački.	– Koristite samo originalni pribor. Mogu se koristiti samo predmeti za zakivanje (ekseri, spajalice itd.), koji su navedeni u tabeli „Tehnički podaci“.
	Graničnik dubine je previše visoko podešen.	– Podesite graničnik dubine na željenu dubinu. (videti „Podešavanje graničnika za dubinu (videti sliku **D**)“, Strana 13)
Električni alat preskače eksere ili ima previše veliki taktni pomak.	Korišćeni predmeti za zakivanje su nedozvoljeni.	– Koristite samo originalni pribor. Mogu se koristiti samo predmeti za zakivanje (ekseri, spajalice itd.), koji su navedeni u tabeli „Tehnički podaci“.
	Opruga klizača magacina je preslaba ili neispravna.	– Kontaktirajte ovlašćeni Bosch korisnički servis. Tamo zamenite komponentu.
Ekseri se često mogu zaglaviti u kanalu za ispaljivanje.	Korišćeni predmeti za zakivanje su nedozvoljeni.	– Koristite samo originalni pribor. Mogu se koristiti samo predmeti za zakivanje (ekseri, spajalice itd.), koji su navedeni u tabeli „Tehnički podaci“.

Problem	Uzrok	Otklanjane problema
	Ekseri su dotrajali, lepak između eksera više nema snagu lepljenja.	– Koristite novu traku sa ekserima
Zabijeni ekseri su iskrivljeni.	Udarni utiskivač je oštećen.	– Kontaktirajte ovlašćeni Bosch korisnički servis. Tamo zamenite komponentu.
	Pištolj za eksere koristi se za nedozvoljeni materijal (npr. beton, kamen).	– Pištolj za eksere koristite samo za dozvoljen materijal. (videti „Namenska upotreba“, Strana 9)

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Uklanjanje đubreta

Električne alate, akumulacione baterije, pribor i pakovanja treba predati na reciklažu koja je u skladu sa zaštitom životne sredine.



Ne bacajte električne alate i akumulatore/ baterije u kućno djubre!

Samo za EU-zemlje:
Električni i elektronski uređaji ili istrošeni akumulatori i baterije koji više ne mogu da se koriste moraju da se skupljaju zasebno i odlože u otpad u skladu sa ekološkim propisima. Koristite naznačene sisteme za sakupljanje. Zbog mogućih opasnih materija koji se nalaze u uređaju, nepravilno odlaganje u otpad može da bude opasno za okolinu i zdravlje.

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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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