



Professional HEAVY DUTY

GTH 18V-14

Robert Bosch Power Tools GmbH
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GERMANY

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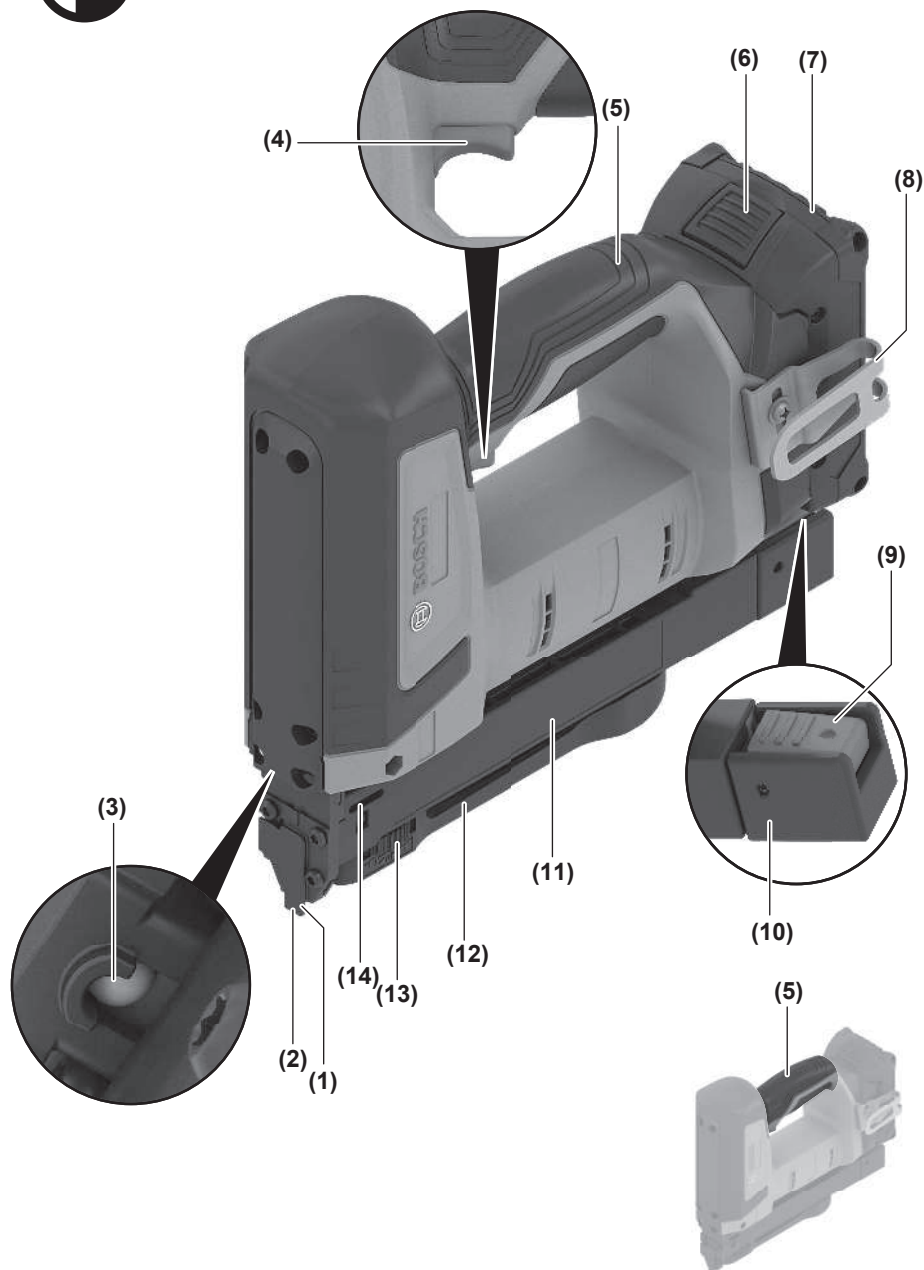


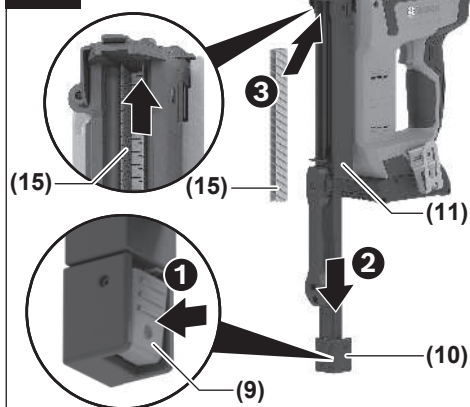
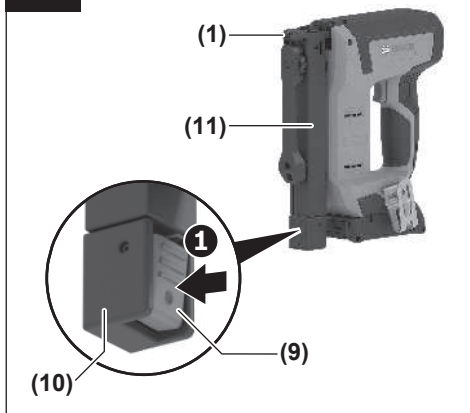
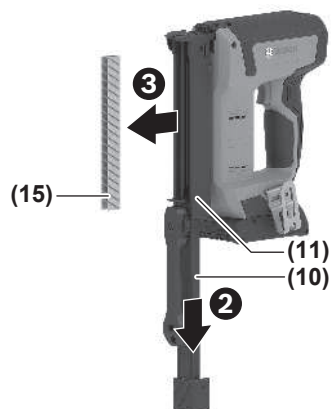
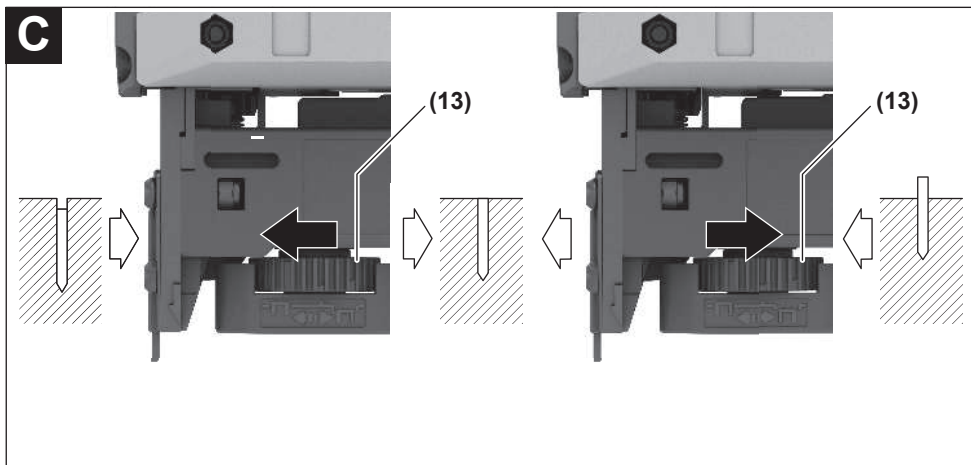
et Algupärane kasutusjuhend

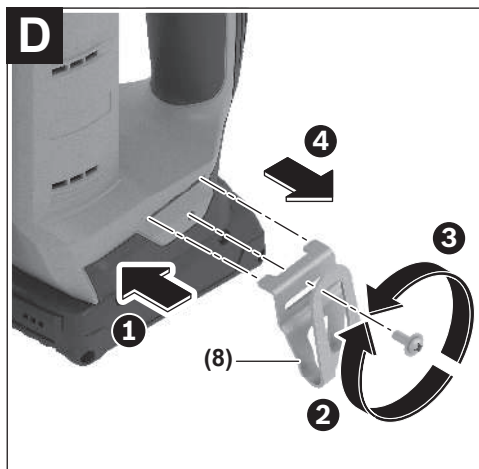


Eesti.....Lehekülg 6





A1**A2****B1****B2****C**



Eesti

Ohutusnõuded

Üldised ohutusnõuded elektriliste tööriistade kasutamisel

HOIATUS

Lugege läbi kõik tööriistaga kaasas olevad ohutusnõuded ja juhised

ning tutvuge kõigi jooniste ja spetsifikatsioonidega.

Ohutusnõuete ja juhiste eiramise tagajärjeks võib olla elektrilöök, tulekahju ja/või rasked vigastused.

Hoidke kõik ohutusnõuded ja juhised edasiseks kasutamiseks hoolikalt alles.

Ohutusnõuetes sisalduv mõiste "elektriline tööriist" käib nii vooluvõrku ühendatud (juhtmega) elektriliste tööriistade kui ka akutoitega (juhtmeta) elektriliste tööriistade kohta.

Ohutusnõuded tööpiirkonnas

► Hoidke tööpiirkond puhas ja hästi valgustatud.

Korrastamata või valgustamata töökoht võib põhjustada õnnetusi.

► Ärge kasutage elektrilist tööriista plahvatusohtlikus keskkonnas, kus leidub tuleohtlikke vedelikke, gaase või tolmu.

Elektrilistest tööriistadest lööb sädemeid, mis võivad tolmu või auru süüdata.

► Elektrilise tööriista kasutamise ajal hoidke lapsed ja teised inimesed töökohast eemal.

Kui teie tähelepanu juhitakse kõrvale, võib seade teie kontrolli alt väljuda.

Elektriohutus

► Kaitske elektrilist tööriista vihma ja niiskuse eest.

Kui elektrilisse tööriista on sattunud vett, on elektrilöögi oht suurem.

Inimeste turvalisus

► Olge tähelepanelik, jälgige, mida teete, ning toimige

elektrilise tööriistaga töötades kaalutletult. Ärge kasutage elektrilist tööriista, kui olete väsinud või uimastite, alkoholi või ravimite mõju all. Hetkeline tähelepanematus seadme kasutamisel võib põhjustada tõsiseid vigastusi.

► Kandke isikukaitsevahendeid. Kandke alati kaitseprille.

Elektrilise tööriista tüübile ja kasutusale vastavate isikukaitsevahendite, näiteks tolumaski, libisemiskindlate turvajalatsite, kaitsekiivri või kuulmiskaitsevahendite kasutamine vähendab vigastuste ohtu.

► Vältige elektrilise tööriista soovimatut käivitamist.

Enne pistiku ühendamist pistikupessa, aku ühendamist seadme külge, seadme ülestõstmist ja kandmist veenduge, et elektriline tööriist on välja lülitatud. Kui hoiate elektrilise tööriista kandmisel sõrme lüliti või ühendate vooluvõrku sisselülitatud seadme, võivad tagajärjeks olla õnnetused.

► Enne elektrilise tööriista sisselülitamist eemaldage tööriista küljest reguleerimis- ja mutrivõtmed.

Seadme pöörleva osa küljes olev reguleerimis- või mutrivõti võib põhjustada vigastusi.

- **Vältige ebatavalist tööasendit. Võtke stabiilne tööasend ja hoidke kogu aeg tasakaalu.** Nii saate elektrilist tööriista ootamatutes olukordades paremini kontrollida.
- **Kandke sobivat rõivastust. Ärge kandke laiu riideid ega ehteid. Hoidke juuksed ja rõivad seadme liikuvatest osadest eemal.** Liiga avarad riided, ehted või pikad juuksed võivad sattuda seadme liikuvate osade vahele.
- **Kui on võimalik paigaldada tolmuemaldus- ja tolmu kogumisseadiseid, veenduge, et need on seadmega ühendatud ja et neid kasutatakse õigesti.** Tolmuemaldusseadise kasutamine vähendab tolmust põhjustatud ohte.
- **Ärge muutuge tööriista sagedasest kasutamisest hooletuks ja ärge eirake ohutusnõudeid.** Hooletus võib sekundi murdosa jooksul kaasa tuua raskeid vigastusi.

Elektriliste tööriistade hoolikas käsitlemine ja kasutamine

► Ärge koormake seadet üle. Kasutage konkreetse töö tegemiseks ette nähtud elektrilist tööriista.

Sobiva elektrilise tööriistaga töötate ettenähtud jõudluspiirides efektiivsemalt ja ohutumalt.

► Ärge kasutage elektrilist tööriista, mida ei saa lülitist sisse ja välja lülitada.

Elektriline tööriist, mida ei ole enam võimalik lülitist sisse ja välja lülitada, on ohtlik ning tuleb parandada.

► Tõmmake pistik pistikupesast välja ja/või eemaldage seadmest aku, kui see on eemaldatav, enne seadme reguleerimist, tarvikute vahetamist ja seadme ärapanekut.

See ettevaatusabinõu väldib elektrilise tööriista soovimatut käivitamist.

► Kasutusvälisel ajal hoidke elektrilisi tööriistu lastele kättesaamatus kohas ja ärge laske seadet kasutada isikutel, kes seadet ei tunne või pole lugenud käesolevaid juhiseid.

Asjatundmatute isikute käes on elektrilised tööriistad ohtlikud.

► Hoolidage elektrilisi tööriistu ja tarvikuid nõuetekohaselt. Kontrollige, kas seadme liikuvad osad töötavad veatult ega kiildu kiini ning veenduge, et seadme detailid ei ole murdunud või kahjustatud määral, mis mõjutab seadme töökindlust. Laske kahjustatud detailid enne seadme kasutamist parandada.

Paljude õnnetuste põhjuseks on halvasti hooldatud elektrilised tööriistad.

► Hoidke lõiketarvikud teravad ja puhtad.

Hoolikalt hooldatud, teravate lõikeservadega lõiketarvikud kiilduvad harvemini kinni ja neid on lihtsam juhtida.

► Kasutage elektrilist tööriista, lisavarustust, tarvikuid jne vastavalt käesolevatele juhistele, võttes arvesse töötingimusi ja teostatava töö iseloomu.

Elektriliste tööriistade nõuetevastane kasutamine võib põhjustada ohtlikke olukordi.

- ▶ **Hoidke käepidemed ja haardepinnad kuiva ja puhtana ning vabana õlist ja määrdeainetest.** Libedad käepidemed ja haardepinnad ei luba tööriista ohutult käsitseda ja ootamatutes olukordades kontrolli all hoida.

Akutööriistade hoolikas käsitsemine ja kasutamine

- ▶ **Laadige akusid ainult tootja poolt soovitatud laadimiseadmetega.** Laadimiseadme, mis sobib teatud tüüpi akudele, muutub tuleohtlikuks, kui seda kasutatakse teiste akude laadimiseks.
- ▶ **Kasutage elektrilistes tööriistades ainult selleks ettenähtud akusid.** Teiste akude kasutamine võib põhjustada vigastusi ja tulekahjuohtu.
- ▶ **Kasutusvälisel ajal hoidke akusid eemal kirjaklambritest, müntidest, võtmetest, naeltest, kruvidest või teistest väikestest metallesemetest, mis võivad akukontaktid omavahel ühendada.** Akukontaktide vahel tekkiva lühise tagajärjeks võivad olla põletused või tulekahju.
- ▶ **Väärkasutage korral või akuvedelik välja voolata; vältige sellega kokkupuudet.** Juhusliku kokkupuute korral loputage kahjustatud kohta veega. Kui vedelik satub silma, pöörduge lisaks arsti poole. Väljavoolav akuvedelik võib põhjustada nahaärritusi või põletusi.
- ▶ **Ärge kasutage akut ega tööriista, mis on kahjustada saanud või mida on modifitseeritud.** Kahjustada saanud või modifitseeritud akud võivad põhjustada tulekahju, plahvatuse, kehavigastusi ja varalist kahju.
- ▶ **Kaitske akut ja elektrilist tööriista tule ja väga kõrgete temperatuuride eest.** Kokkupuude tulega või üle 130 °C temperatuuriga võib põhjustada plahvatuse.
- ▶ **Järgige kõiki laadimisjuhiseid ja ärge laadige akut väljaspool juhistes määratletud temperatuurivahemikku.** Nõuetele mittevastav laadimine või laadimine väljaspool ettenähtud temperatuurivahemikku võib akut kahjustada ja suurendada tulekahju ohtu.

Teenindus

- ▶ **Laske elektrilist tööriista parandada ainult kvalifitseeritud spetsialistidel, kes kasutavad originaalvaruosi.** Nii tagate seadme püsivalt ohutu töö.
- ▶ **Ärge kunagi käidelda kahjustada saanud akusid.** Akusid võivad käidelda vaid tootja esindajad või volitatud hooldekeskuse töötajad.

Ohutusjuhised klambripüstolite kohta

- ▶ **Pidage alati meeles, et klambrilööja sisaldab klambreid.** Klambrilööja hooletu käsitlemise tagajärjel võib juhtuda, et seadmest eraldub ootamatult klambreid, mis võivad põhjustada kehavigastusi.
- ▶ **Klambrite sisestamisel ja väljavõtmisel, reguleerimisel või tarkukute vahetamisel ühendage klambrilööja vooluallikast lahti.** Kui klambrilööja on toiteallikaga ühendatud, võib see kogemata aktiveeruda ja põhjustada kehavigastusi.

- ▶ **Olge klambrite käsitlemisel ettevaatlik, eriti nende sisestamisel ja väljavõtmisel.** Klambritel on teravad otsad, mis võivad põhjustada kehavigastusi.
- ▶ **Ärge suunake tööriista iseenda ega teiste läheduses olevate isikute poole.** Ootamatu käivitamine vabastab klambri, mis võib põhjustada kehavigastusi.
- ▶ **Hoidke sõrmed päästikust eemal, kui te ei kasuta klammerdajat ning kui liigute ühest tööasendist teise.** Ootamatu rakendumine võib vabastada kinnitussvahendi, mis võib põhjustada vigastusi.
- ▶ **Tehes töid, mille puhul võib klamber tabada varjatud elektrijuhtmeid, hoidke klambrilööjat ainult käepideme isoleeritud pinnast.** Klamber, mis puutub kokku pingestatud elektrijuhtmega, võib seada pinge alla klambrilööja metallosad ja anda selle kasutajale elektrilöögi.
- ▶ **Hoidke klambrilööjat töötamise ajal kindlalt käes.** Klambrilööja kontrollimatu tagasilöök võib põhjustada selle tahtmatut aktiveerumist, mis võib tekitada kehavigastusi.
- ▶ **Hoidke kõik kehaosad, nagu käed ja jalad jne, klambrilööja tulistamissuunast eemal.** Klamber võib tungida nii töödeldavasse detaili kui ka selle taga olevasse mis tahes objekti, mis võib põhjustada kehavigastusi.
- ▶ **Klambrilööja kasutamisel hoidke kõik kehaosad, nagu käed ja jalad jne, eemal kohast, kuhu klambriid töödeldavas detailis lüüakse.** Klamber võib minna viltu ja töödeldavast detailist väljuda, mis võib põhjustada kehavigastusi.
- ▶ **Ärge aktiveerige klambrilööjat enne, kui see on surutud tugevasti vastu tööpinda.** Kui klambrilööja ei puutu tööpinna vastu, võib klamber töödeldavast detailist mööda minna, mis võib põhjustada kehavigastusi.
- ▶ **Ärge kasutage seda klambrilööjat elektrijuhtmete kinnitamiseks.** See ei ole ette nähtud elektrijuhtmete kinnitamiseks ja võib kahjustada elektrijuhtmete isolatsiooni, põhjustades elektrilöögi või tulekahju ohtu.
- ▶ **Kui klamber on klambrilööjas kinni kiilunud, siis lahutage klambrilööja vooluvõrgust.** Kui klambrilööja on toiteallikaga ühendatud, võib see ummistuse eemaldamisel kogemata aktiveeruda ja põhjustada kehavigastusi.
- ▶ **Kinnikiilunud klambri eemaldamisel olge ettevaatlik.** Mehhanism võib olla surve all ja klamber võib kinnikiilumise kõrvaldamisel seadmest suure hooga väljuda, mis võib põhjustada kehavigastusi.
- ▶ **Varjatult paiknevate elektrijuhtmete, gaasi- või veetorude avastamiseks kasutage sobivaid lokaliseerimiseadmeid või pöörduge kohaliku elektri-, gaasi- või veevarustusettevõtte poole.** Kokkupuutel elektrijuhtmetega tekib tulekahju- ja elektrilöögioht. Gaasitorustiku vigastamisel tekib plahvatusoht. Veetorustiku vigastamisel materiaalne kahju või elektrilöögioht.
- ▶ **Aku vigastamise ja ebaõige käsitlemise korral võib akust eralduda auru. Aku võib põlema süttida või**

plahvatada. Õhutage ruumi, halva enesetunde korral pöörduge arsti poole. Aurud võivad ärritada hingamisteid.

► **Ärge muutke ega avage akut.** On lühiseoht.

► **Teravad esemed, näiteks naelad või kruvikeerajad, samuti löögid, põrutused jmt võivad akut kahjustada.**

Akukontaktide vahel võib tekkida lühis ja aku võib süttida, suitseta hakata, plahvatada või üle kuumeneda.

► **Kasutage akut ainult valmistaja toodetes.** Ainult sellisel juhul on aku kaitsitud ohtliku ülekoormuse eest.



Kaitske akut kuumuse, nt ka kestva päikesekiirguse, tule, mustuse, vee ja niiskuse eest.
Tekib plahvatuse ja lühise oht.

Sümbolid ja nende tähendus

Järgnevad sümbolid võivad olla teie elektrilise tööriista kasutamisel olulised. Pidage sümbolid ja nende tähendus mees. Sümbolite õige tõlgendus aitab teil elektrilist tööriista käsitseda paremini ja ohutult.

Sümbolid ja nende tähendus



Kandke kuulmiskaitsevahendeid. Mürä võib kuulmist kahjustada.



Kandke kaitseprille.

Toote kirjeldus ja kasutusjuhend

Östarkbekohane kasutamine

Elektriline tööriist on mõeldud klambrite löömiseks puitu. Lubatud on kasutada üksnes neid sisselöödavaid kinnitusvahendeid (naelad, klambrid jne), mis on spetsifitseeritud tabelis „Tehnilised andmed“.

Juhis: elektriline tööriist ei ole ette nähtud klambrite löömiseks metalli või betooni.

Kujutatud komponendid

Joonistel kujutatud komponentide numeratsiooni aluseks on elektrilise tööriista jooniseleheküljel olevad numbrid.

- (1) Päästikukaitse
- (2) Suue
- (3) Töövalgusti
- (4) Päästik
- (5) Käepide (isoleeritud haardepind)
- (6) Aku lukustuse vabastusnupp
- (7) Aku
- (8) Vöökonks
- (9) Magasini avamislüüti

(10) Magasini siiber

(11) Magasin

(12) Sügavuspiirik

(13) Sügavuspiiriku seaderatas

(14) Täitmisindikaatori vaateaken

(15) Klambribriba^{a)}

a) See tarkiv ei kuulu standard-tarnekomplekti.

Tehnilised andmed

Akuklambri lööja		GTH 18V-14
Tootenumber		3 601 D82 8..
Nimipinge	V=	18
Käivitatamissüsteemid		
– Üksikkäivitamine päästikukaitsega		●
– Kontaktkäivitamine		●
Sisestatav kinnitusvahend		
– Tüüp		Lametraat-klamber Bosch Typ 57
– Seljapaksus	mm	10,6
– Pikkus	mm	6–14
– Paksus	mm	1,25
– Nurk		0°
Magasini max maht		100
Möödud (ilma akuta)		
– Kõrgus	mm	223
– Laius	mm	81
– Pikkus koos kontaktelendiga	mm	247
Kaal ^{A)}	kg	1,8
Soovitav keskkonnatemperatuur laadimisel	°C	0 ... +35
Lubatud keskkonnatemperatuur töötamisel ^{B)} ja hoiustamisel	°C	–20 ... +50
Ühilduvad akud		GBA18V... GBA 18V... ProCORE18V... EXPERT18V... EXBA18V... CORE18V...
Täisvõimsuse jaoks soovitatavad akud		GBA 18V... ≥ 2,0 Ah
Soovitavad laadimisseadmed		GAL18... GAL 18... GAL 36... GAL12V/18... GAL 12V/18...

Akuklambri tööaja**GTH 18V-14**

GAX 18...

EXAL18...

A) Ilma akuta (aku kaalu kohta vt www.bosch-professional.com)

B) piiratud jõudlus temperatuuridel < 0 °C

Väärtused võivad olenevalt tootest varieeruda ja oleneda kasutus- ning keskkonnamitingimustest. Täiendav teave veebisaidil www.bosch-professional.com/wac.**Andmed müra/vibratsiooni kohta**Mürapäastuväärtused on määratud vastavalt standardile **EN IEC 62841-2-16**.Elektritööriista ekvivalentne müratase on tavaliselt: helirõhutase **87 dB(A)**; helivõimsustase **97 dB(A)**.Mootemääramatus **K = 3 dB**.**Kasutage kuulmiskaitsevahendeid!**Vibratsiooni väärtused a_h (pidevad vibratsioonid), p_F (korduvad löögivibratsioonid) ja mootemääramatus **K** on kindlaks tehtud vastavalt standardile **EN IEC 62841-2-16**: $a_h = 1,3 \text{ m/s}^2$ ($K = 1,5 \text{ m/s}^2$), $p_F = 1409 \text{ m/s}^2$ ($K = 63 \text{ m/s}^2$)

Selles juhendis toodud vibratsioonitaseme ja mürapäastu väärtused on mõõdetud standardset mõõtemeetodit kasutades ja neid saab kasutada elektriliste tööriistade omavaheliseks võrdlemiseks. Need sobivad ka vibratsioonitaseme ja mürapäastu esialgseks hindamiseks.

Toodud vibratsioonitaseme ja mürapäastu väärtused on iseloomulikud elektrilise tööriista põhiliste rakenduste korral. Kui aga elektrilist tööriista kasutatakse muudes rakendustes, muude vahetatavate tööriistadega või ebapiisavalt hooldades, võivad vibratsioonitaseme ja mürapäastu väärtused nendest erineda. See võib kogu tööaja vibratsioonitaset ja mürapäastu tunduvalt suurendada.

Vibratsioonitaseme ja mürapäastu täpseks hindamiseks tuleb arvesse võtta ka aega, mil seade on välja lülitatud või mil seade on küll sisse lülitatud, kuid tegelikult tööle rakendamata. See võib kogu tööaja vibratsioonitaset ja mürapäastu tunduvalt vähendada.

Rakendage kasutaja kaitsmiseks vibratsiooni mõju eest täiendavaid kaitsemeetmeid, nagu näiteks: elektrilise tööriista ja vahetatavate tööriistade hooldus, kätesoojendus, töökorraldus.

Aku**Bosch** müüb ka juhtmeta elektrilisi tööriistu ilma akuta. Pakendilt näete, kas aku kuulub teie elektrilise tööriista tarnekomplekti.**Aku laadimine**► **Kasutage üksnes tehnilistes andmetes loetletud laadimisseadmeid.** Vaid need laadimisvahendid on ette nähtud elektrilises tööriistas kasutatud liitium-ioonaku laadimiseks.**Juhis:** liitiumioonakud tarnitakse tehastest rahvusvaheliste transpordieskirjade põhjal osaliselt laetutena. Selleks et

aku täielikku võimsust tagada, laadige aku enne esimest kasutamist täielikult täis.

Aku paigaldamine

Lükake laetud aku akuhoidikusse nii, et see tuntuvalt fikseeruks.

Aku eemaldamineAku eemaldamiseks vajutage lukustuse vabastamise nuppe ja tõmmake aku välja. **Ärge rakendage seejuures jõudu.**

Akul on kaks lukustusastet, mis takistavad aku väljakukkumist aku lukustuse vabastamisnupu kogemata vajutamisel. Elektritööriista paigaldatud akut hoiab õiges asendis vedru.

Aku laetuse taseme näidik

Märkus: kõikidel akutüüpidel ei ole laetuse taseme indikaatorit.

Rohelised LEDid aku laetuse taseme näidikul näitavad aku laetuse taset. Ohutuse huvides saab aku laetuse taset vaadata ainult väljalülitatud elektrilisel tööriistal.

Laetuse taseme vaatamiseks vajutage laetuse taseme näidiku nuppu  või . See on võimalik ka väljavõetud aku korral.

Kui laetuse taseme näidiku nupu vajutamisel ei sütti ükski LED, on aku defektne ja tuleb välja vahetada.

Aku tüüp GBA 18V... | GBA18V...

LED	Mahtuvus
Pidev tuli 3 × roheline	60–100%
Pidev tuli 2 × roheline	30–60%
Pidev tuli 1 × roheline	5–30%
Vilkuv tuli 1 × roheline	0–5%

Aku tüüp ProCORE18V... | EXPERT18V... | EXBA18V... | CORE18V...

LED	Mahtuvus
Pidev tuli 5 × roheline	80–100%
Pidev tuli 4 × roheline	60–80%
Pidev tuli 3 × roheline	40–60%
Pidev tuli 2 × roheline	20–40%
Pidev tuli 1 × roheline	5–20%
Vilkuv tuli 1 × roheline	0–5%

Aku defekti riski tuvastus**EXPERT18V... | EXBA18V...**

Aku laetuse taseme näidikute LEDid võivad kuvada lisaks aku laetuse tasemele aku defekti riski.

Funktsiooni aktiveerimiseks hoidke laetuse taseme näidiku nuppu  3 sekundit vajutatult. Aku analüüsist annavad märku aku laetuse taseme näidiku liikuvad tuled. Tulemust kuvatakse aku laetuse taseme näidikul.

 **1 LED:** aku on kõrge defekti risk. Võimsus ja kasutusaeg võivad olla juba vähenenud.

Soovitav on aku välja vahetada.

 **5 LEDi:** aku on heas seisukorras madala defekti riskiga.

Palun arvestage: aku defekti riski analüüs toimib kaheastmeliselt ja pakub lihtsustatud seisundihindamist. Akut hinnatakse kas heas seisundis või sellel on suurenenud defekti risk. Aku seisundi protsendimäär ei kuvata.

Juhised aku käsitsemiseks

Kaitske akut niiskuse ja vee eest.

Hoidke aku temperatuuril –20 °C kuni 50 °C. Ärge jätke akut suvel autosse.

Puhastage aku ventilatsiooniavadid pehme, puhta ja kuiva pintsliga.

Oluliselt lühenenud kasutusaeg pärast laadimist näitab, et aku on muutunud kasutuskõlbmatuks ja tuleb välja vahetada. Järgige ringlussevõtu juhiseid.

Paigaldamine

► **Võtke aku enne kõiki töid elektrilise tööriista juures (ny hooldus, tööriistavahetus jms) elektrilisest tööriistast välja.** Sisse-/väljalülitit juhusliku rakendamise korral on vigastumisoht.

► **Asetage elektritööriist alati küljele, mitte akule.** Sõltuvalt sellest, millist vahetatavat tööriista ja aku kasutatakse, võib elektritööriist ümber minna.

Magasini täitmine (vaata jooniseid A1–A2)

► **Enne tööriista seadistamist, tarvikute vahetamist või seadme ärapanekut eemaldage aku.** See ettevaatusabinõu hoiab ära elektrilise tööriista soovimatut käivitumise.

Kasutage ainult Boschi originaaltarvikuid. Elektrilise tööriista täppisosad, nagu magasin, suue ja lasukanal, on ette nähtud kasutamiseks **Bosch klambrite, naelte ja tihvtidega**. Teised tootjad kasutavad teistsuguse kvaliteediga terast ja teiste mõõtmatega klambreid/naelu.

Suunis: Kasutage tabelis „Tehnilised andmed“ spetsifitseeritud sissesurutavaid esemeid.

Mittelubatud sisselöödvate kinnitusvahendite kasutamine võib kahjustada elektrilist tööriista ja põhjustada vigastusi.

Hoidke elektrilist tööriista magasinist täitmise ajal nii, et suue (2) ei oleks suunatud teie enda ega teiste inimeste poole.

- Vajutage magasinist avamiseks lüliti (9). Magasini siiber (10) liigub välja.
- Asetage magasinist (11) ülemisse ossa klambritippudega üles suunatud klambribriba.

Suunis: Elektrooniline seire tuvastab, kas klambrid on masinas. Kui päästikukaitse tühja magasinist korral alla surutakse, ei käivitata sissesurumistoimingut. Sellega välditakse tühilaskusid.

- Tõmmake magasinist siibrit (10) kuni fikseerumiseni magasinist alguse poole.

Suunis: Magasini siibrit peab saama ilma suuremat jõudu rakendamata (ainult sõrmejõuga) tagasisuunas nihutada. Kinnikiilunud magasinist siibril on järgmised mõjud: klambreid ei tulistata välja, klambrid jäävad lasukanalisse (vaata kinnikiilumist) või klambrid tulistatakse välja vale nurga all.

Töötamine

► **Asetage elektritööriist alati küljele, mitte akule.** Sõltuvalt sellest, millist vahetatavat tööriista ja aku kasutatakse, võib elektritööriist ümber minna.

Päästiksüsteemid

Üksikkäivitamine päästikukaitsega

Selle käivitamissüsteemi korral tuleb esmalt päästikukaitse (1) tugevalt töödeldavale detailile asetada. Sissesurutatav ese tulistatakse välja alles siis, kui päästik (4) on alla vajutatud. Seejärel saab järgmisi sissesurumistoiminguid käivitada siis, kui päästik (4) on eelnevalt taas tagasi lähteasendisse viidud ja päästikukaitse (1) on veel täiesti sisse vajutatud.

Kontaktkäivitamine

Selle käivitamissüsteemi korral tuleb esmalt päästik (4) alla vajutada ja selles asendis hoida. Seejärel tuleb sissesurutatava eseme väljatulistamiseks päästikukaitse (1) tugevalt töödeldavale detailile asetada. Seni kuni päästik (4) on alla vajutatud, saab järgmisi sissesurumistoiminguid käivitada teise kohta uuesti asetades.

Kasutuselevõtt

Sisse-/väljalülitamine

Elektriline tööriist on pärast aku (7) sisestamist töövalmis.

Klammerdamine – üksikkäivitamine

- Asetage suue (2) tugevalt vastu töödeldavat detaili, kuni päästikukaitse (1) on täiesti sisse vajutatud. Töövalgusti (3) lülitub sisse.
- Seejärel vajutage lühidalt päästikut (4) ja vabastage see uuesti. Sealjuures tulistatakse klamber välja.
- Järgmiseks sissesurumistoiminguks tõstke elektriline tööriist täielikult töödeldavast detailist eemale ja asetage see järgmise soovitud kohas uuesti tugevalt vastu töödeldavat detaili. Alternatiivselt võite hoida päästikukaitset (1) vajutatult ja vajutada päästikut (4), et tulistada välja järgmine klamber.

Klammerdamine – kontaktkäivitamine

- Hoidke päästikut (4) vajutatult. Töövalgusti (3) lülitub sisse.

- Asetage suue (2) tugevalt vastu töödeldavat detaili, kuni päästikukaitse (1) on täiesti sisse vajutatud. Sealjuures tulistatakse klamber välja.
- Järgmiseks sissesurumistoianguks hoidke päästikut (4) edasi surutult ja tõstke elektriline tööriist töödeldavalt detaililt täiesti eemale. Asetage see jälle tugevalt järgmisesse soovitud kohta. Sealjuures tulistatakse uus klamber välja.

Juhis: oodake alati ära, kuni klamber on täielikult välja tulistatud, enne kui elektrilise tööriista töödeldavalt detaililt üles tõstate.

Tööjuhised

- **Võtke aku enne kõiki töid elektrilise tööriista juures (ny hooldus, tööriistavahetus jms) elektrilisest tööriistast välja.** Sisse-/väljalülitit juhusliku rakendamise korral on vigastumisoht.

Iga kord enne töö alustamist kontrollige ohutus- ja käivitamiseadiste veatut talitlust ning kõikide kruvide ja mutrite kinnituse kindlust.

Defektne või laimatumult mittetöötav elektriline tööriist lahutage kohe vooluvarustusest ja võtke ühendust Boschi volitatud klienditeenindusega.

Ärge manipuleerige elektrilist tööriista eeskirjadele mittevastavalt. Ärge eemaldage ega blokeerige mitte mingeid elektrilise tööriista osi, nagu nt päästikukaitset.

Ärge tehke „avariiremonte“ ebasobivate vahenditega. Elektrilist tööriista tuleb regulaarselt ja asjatundlikult hooldada.

Vältige igasugust elektrilise tööriista nõrgestamist või kahjustamist, nt järgmiste tegevustega:

- vermimine või graveerimine,
- tootja poolt mittelubatud ümberehitusmeetmed,
- juhtimine piki kõvast materjalist, nt terasest, šabloone,
- kukkuda laskmine või mööda põrandat vedamine,
- haamrina kasutamine,
- igasugusel viisil jõu rakendamine.

Kontrollige, mis on teie töödeldava detaili all või taga. Ärge tulistage klambreid seintesse, lagedesse või põrandatesse, kui nende taga on inimesed. Klambriid võivad töödeldavast detailist läbi tungida ja kedagi vigastada.

Ärge tulistage klambreid juba sissesurutud klambritele. Klambriid võivad sealjuures deformeeruda, klambriid võivad kinni kiiluda või elektriline tööriist võib kontrollimatult liikuda.

Kui elektrilist tööriista kasutatakse külmades keskkonnamitingimustes, võidakse esimesi klambreid tavapärasest aeglasemalt sisse suruda. Kui elektriline tööriist on töötades soojenenud, on normaalne töökiirus jälle võimalik.

Vältige tühihaske, et vähendada löögitempli kulumist.

Pikemate töökatkestuste ajaks või pärast töö lõpetamist eemaldage elektrilisest tööriistast aku ja tühjendage võimalikult magasin. Asetage elektriline tööriist tasasele pinnale, nii et kontakteleменти ei aktiveerita.

Magasini tühjendamine (vaata jooniseid B1–B2)

- Vajutage magasin avamiseks lüliti (9). Magasini siiber (10) liigub välja.
- Pöörake elektrilist tööriista nii, et klambririba (15) magasinis (11) välja libiseb.
- Magasini sulgemiseks juhtige magasin siiber (10) ettevaatlikult ettepoole kuni magasin (11) alguseni.

Sügavuspiiriku seadmine (vt joonist C)

Klambrite sisselöömissügavust saab seada seaderattaga (13).

- Tühjendage magasin (11).
- **Kambriid tulistatakse liiga sügavale:** sisselöömissügavuse vähendamiseks pöörake seaderattast (13) suunas .
- **Klambriid ei tulistata piisavalt sügavale:** sisselöömissügavuse suurendamiseks pöörake seaderattast (13) suunas .

Veenduge, et sügavuspiirik (12) toetub täielikult töödeldavale detailile.

- Täitke salv uuesti.
 - Testige uut sisselöömissügavust töödeldavad proovidetailil.
- Vajadusel korra teetapet.

Kinnikiilunud klambrite vabastamine

Mõni klamber võib lasukanalisse kinni kiiluda. Kui seda peaks juhtuma sageli, võtke ühendust Boschi volitatud klienditeenindusega.

- Vabastage päästik (4).
- Eemaldage aku (7).
- Vajutage magasin avamiseks lüliti (9).
- Pöörake elektrilist tööriista nii, et klambririba (15) magasinis (11) välja libiseb. Eemaldage kinnikiilunud klamber. Vajadusel kasutage selleks tange.
- Täitke magasin (11) uuesti.
- Tõmmake magasin siibrit (10) kuni fikseerumiseni magasin alguse poole.

Transport ja säilitamine

Eemaldage transportimiseks elektrilisest tööriistast aku, eriti juhul, kui kasutate redeleid või liigute edasi ebatavalises kehaasendis.

Töökohas kandke elektrilist tööriista vaid käepidemest (5) ja vajutamata päästikuga (4).

Hoidke elektrilist tööriista alati ilma akuta ja kuivas, soojas kohas.

Kui te elektrilist tööriista pikemat aega ei kasuta, katke tööriista terasdetailid kerge õlikihiga. See hoiab ära rooste tekke.

Vöökonks (vt jn D)

Vöökonksuga (8) saate elektrilise tööriista nt vööle riputada. Nii jäävad teil mõlemad käed vabaks ja elektriline tööriist on pidevalt haardelatluses.

Hooldus ja korrashoid

Hooldus ja puhastus

- Võtke aku enne kõiki töid elektrilise tööriista juures (ny hooldus, tööriistavahetus jms) elektrilisest

tööriistast välja. Sisse-/väljalülitit juhusliku rakendamise korral on vigastumisoht.

- **Seadme laitmatu ja ohutu töö tagamiseks hoidke seade ja selle ventilatsioonivad puhtad.**

Korrahoiuplaan

Puhastage magasin (**11**). Eemaldage puitlaastud, mis töötamise ajal võivad magasinini koguneda. Puhastage elektrilist tööriista regulaarselt suruõhuga.

Meede	Põhjendus	Teostus
Magasini (11) ja magasinisiibri (10) puhastamine.	Takistab klambrite kinnikiilumist.	– Puhastage magasin / magasinisiibri mehhanismi suruõhuga.
Päästikukaitse (1) nõuetekohase talitluse tagamine.	Soodustab tööohutust ja elektrilise tööriista tõhusat kasutamist.	– Puhastage päästikukaitset mehhanismi suruõhuga.

Tõrgete kõrvaldamine

Probleem	Põhjus	Kõrvaldamine
Elektriline tööriist ei ole töövalmis.	Aku ei ole laetud või aku on defektne.	– Laadige aku täiesti täis või vahetage aku välja.
	Aku ei ole õigesti kohale asetatud.	– Veenduge, et aku on käepidemesse fikseerunud.
	Aku temperatuur on liiga kõrge või liiga madal.	– Oodake kuni aku on (taas) optimaalsel töötemperatuuril.
	Akukontaktid või mootor on määrdunud või defektsed.	– Võtke ühendust Boschi volitatud klienditeenindusega. Laske detail seal välja vahetada.
	Magasin (11) on tühi.	– Täitke magasin uuesti. (vaadake „Magasini täitmine (vaata jooniseid A1–A2)“, Lehekülg 10)
	Päästikukaitse (1) kõverdunud.	– Võtke ühendust Boschi volitatud klienditeenindusega. Laske detail seal välja vahetada.
	Elektroonika on defektne.	– Võtke ühendust Boschi volitatud klienditeenindusega.
Elektriline tööriist on kasutamiskvalmis, kuid klambreid ei tulistata.	Järgmiste detailide võimalik defekt: – Päästik (4) – Löögitempel – Mootor või ajam – Elektroonika	– Võtke ühendust Boschi volitatud klienditeenindusega. Laske detail seal välja vahetada.
	Löögimehhanismi on kogunenud võorkehad.	– Võtke ühendust Boschi volitatud klienditeenindusega. Laske detail seal välja vahetada.
	Võorkehad on kogunenud suudmesse (2) või magasinini (11).	– Puhastage suue (2) või magasin (11).
	Klamber on lasukanalisse kinni kiilunud.	– Kõrvaldage kinnikiilumine. (vaadake „Kinnikiilunud klambrite vabastamine“, Lehekülg 11)
	Magasini siiber (10) kiilub kinni või on defektne.	– Puhastage vajadusel magasinisiibrit (10) ja veenduge, et magasin (11) ei ole määrdunud.

Probleem	Põhjus	Kõrvaldamine
		– Võtke ühendust Boschi volitatud klienditeenindusega. Laske detail seal välja vahetada.
	Magasini siibri vedru on liiga nõrk või defektne.	– Võtke ühendust Boschi volitatud klienditeenindusega. Laske detail seal välja vahetada.
	Kasutatud klambrid ei ole lubatud.	– Kasutage ainult originaalisavarustust. Lubatud on kasutada ainult neid klambreid, mis on spetsifitseeritud tabelis „Tehnilised andmed“.
	Magasin (11) on tühi.	– Täitke magasin uuesti. (vaadake „Magasini täitmine (vaata jooniseid A1–A2)“, Lehekülg 10)
	Päästikut (4) ja päästikukaitset (1) vajutati samal ajal.	– Viige sissesurumistoiming uuesti läbi, järgides sealjuures õiget vajutamisjärjekorda.
Klambrid tulistatakse liiga sügavale.	Sügavuspiirik (12) on seatud liiga sügavale.	– Seadke sügavuspiirik (12) soovitud sügavusele. (vaadake „Sügavuspiiriku seadmine (vt joonist C)“, Lehekülg 11)
	Sügavuspiirik (12) ei toetu täielikult töödeldavale detailile.	– Veenduge, et sügavuspiirik (12) asetseb täielikult töödeldaval detailil.
	Puhver on ära kulunud.	– Võtke ühendust Boschi volitatud klienditeenindusega. Laske detail seal välja vahetada.
Klambreid ei tulistata piisavalt sügavale.	Aku ei ole laetud või aku on defektne.	– Laadige aku täiesti täis või vahetage aku välja.
	Kasutatud klambrid on liiga pikad.	– Kasutage ainult originaalisavarustust. Lubatud on kasutada ainult neid klambreid, mis on spetsifitseeritud tabelis „Tehnilised andmed“.
	Sügavuspiirik on liiga kõrgele seatud.	– Seadke sügavuspiirik soovitud sügavusele. (vaadake „Sügavuspiiriku seadmine (vt joonist C)“, Lehekülg 11)
	Surve töödeldavale detailile on liiga väike.	– Rakendage elektrilise tööriista kaudu töödeldavale detailile rohkem survet.
	Löögitempel on defektne.	– Võtke ühendust Boschi volitatud klienditeenindusega. Laske detail seal välja vahetada.
Elektriline tööriist jätab klambreid vahele.	Kasutatud klambrid ei ole lubatud.	– Kasutage ainult originaalisavarustust. Lubatud on kasutada ainult neid klambreid, mis on spetsifitseeritud tabelis „Tehnilised andmed“.
	Magasini siibri vedru on liiga nõrk või defektne.	– Võtke ühendust Boschi volitatud klienditeenindusega. Laske detail seal välja vahetada.
Klambrid kiiluvad sageli lasukanalisse kinni.	Kasutatud klambrid ei ole lubatud.	– Kasutage ainult originaalisavarustust. Lubatud on kasutada ainult neid klambreid, mis on spetsifitseeritud tabelis „Tehnilised andmed“.
		– Võtke ühendust Boschi volitatud klienditeenindusega.

Probleem	Põhjus	Kõrvaldamine
	Klambrid on vananenud, liimil klambrite vahel ei ole enam hoidejõudu.	– Kasutage uut klambribra
Sissetulistatud klambrid on painutatud.	Löögitempel on vigastatud.	– Võtke ühendust Boschi volitatud klienditeenindusega. Laske detail seal välja vahetada.
	Elektrilist tööriista kasutatakse mittelubatud materjali (nt betoon, kivi) jaoks.	– Kasutage elektrilist tööriista ainult lubatud materjali jaoks. (vaadake „Otstarbekohane kasutamine“, Lehekülg 8)

Klienditeenindus ja kasutusala nõustamine

Eesti Vabariik

Tel.: (+372) 6549 575

Päringute esitamisel ja varuosade tellimisel teatage meile kindlasti toote tüübisildil olev 10-kohaline tootenumber.

Kasutuskõlbmatuks muutunud seadmete käitlus

Elektrilised tööriistad, akud, lisatarvikud ja pakendid tuleb keskkonnasäästlikult ringlusse võtta.



Ärge käidelda elektrilisi tööriistu ja akusid/patareisid koos olmejäätmetega!

Üksnes EL liikmesriikidele:

Elektri- ja elektroonikaseadmed või kasutatud akud/patareisid, mis enam kasutuskõlblikud pole, peab eraldi kokku koguma ning keskkonnasõbralikul viisil kasutusest kõrvaldama. Kasutage selleks ettenähtud kogumissüsteeme. Vale jäätmekäitlus võib nendes sisalduvate võimalike ohtlike ainete tõttu keskkonda ja tervist kahjustav olla.

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newlib, v3.3.0

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