



Professional HEAVY DUTY

GNH 18V-35

Robert Bosch Power Tools GmbH
70538 Stuttgart
GERMANY

www.bosch-pt.com

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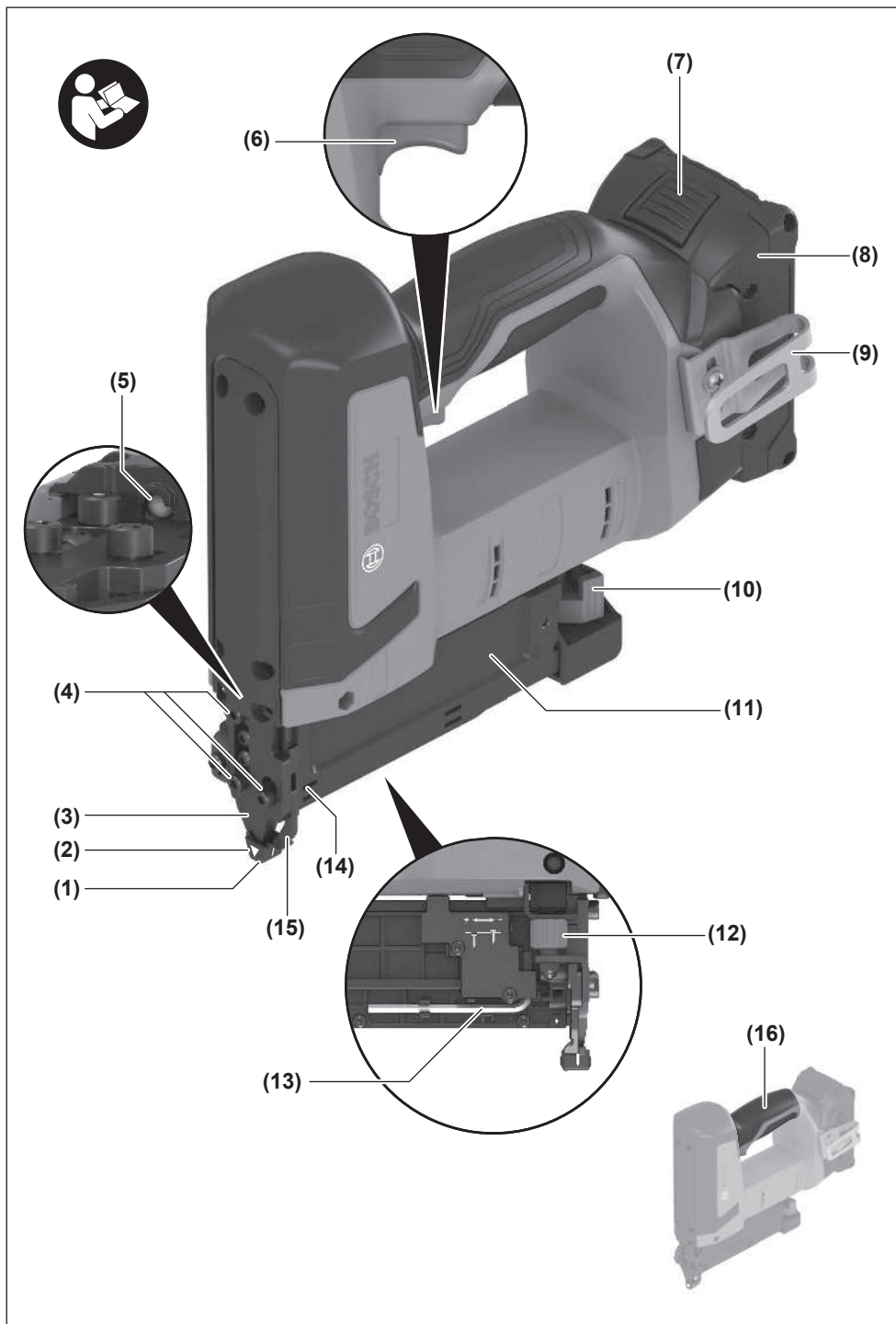


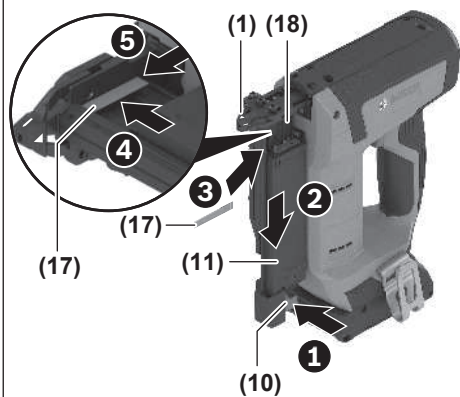
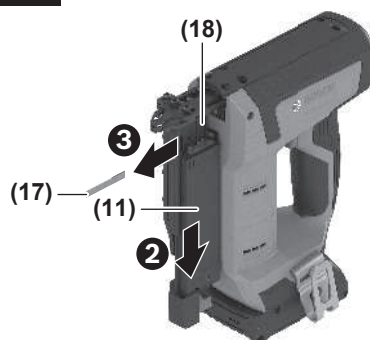
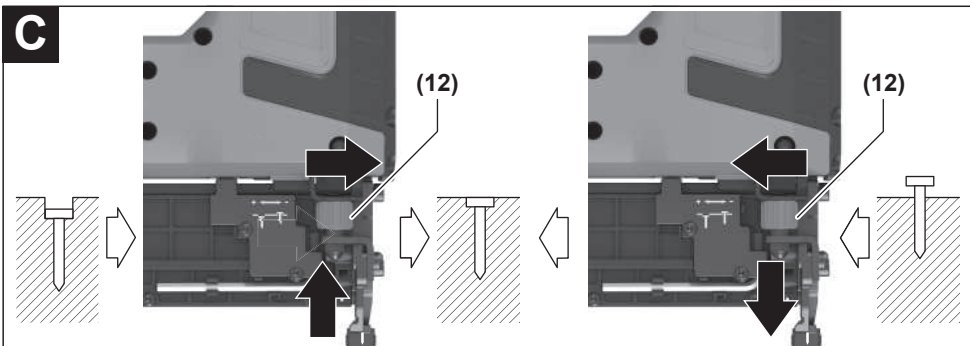
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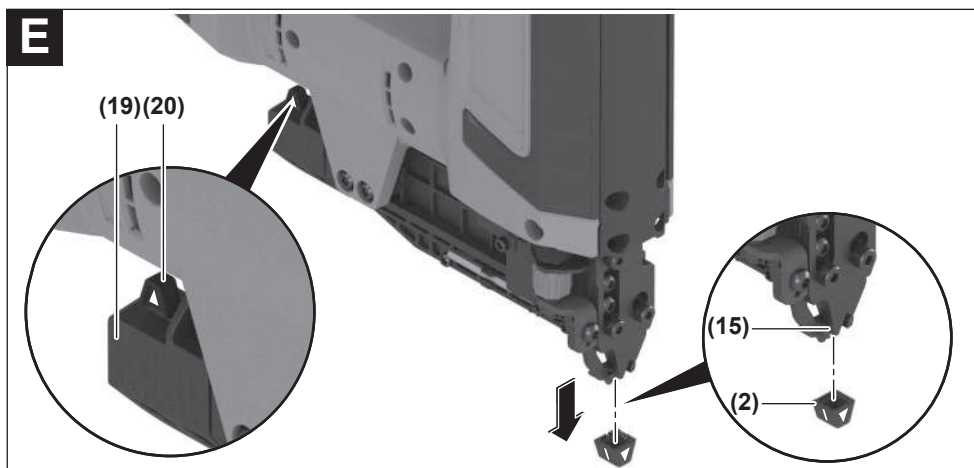
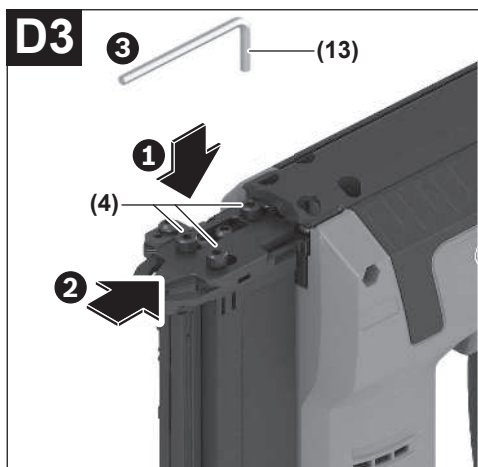
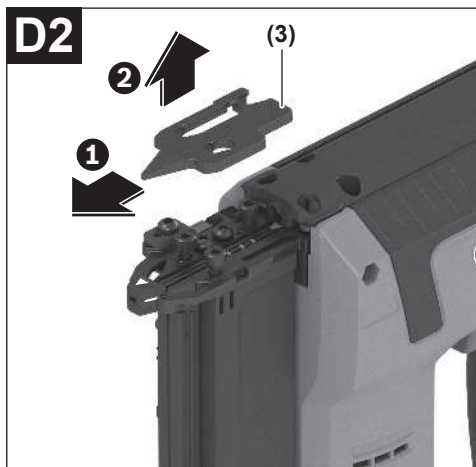
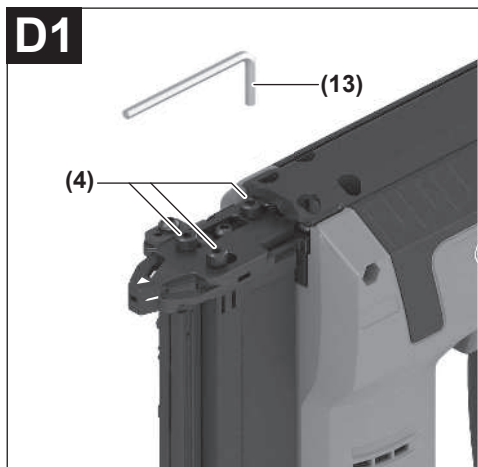


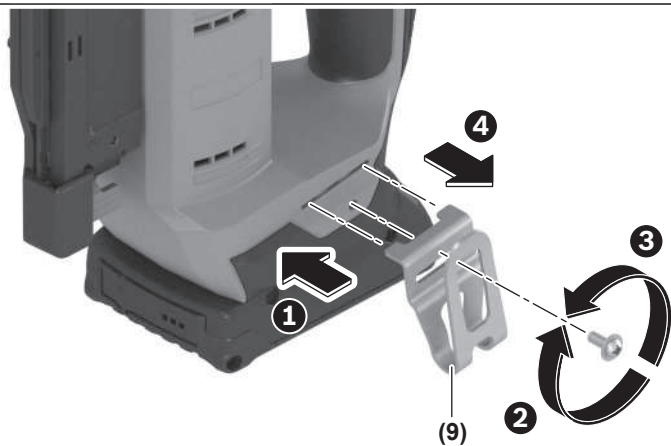
Latviešu Lappuse 7





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



F

Latviešu

Drošības noteikumi

Vispārēji drošības noteikumi elektroinstrumentiem

BRĪDINĀ-JUMS Izlasiet visus drošības noteikumus un instrukcijas, aplūkojiet ilustrācijas un iepazīstieties ar

specifikācijām, kas tiek piegādātas kopā ar šo elektroinstrumentu. Šeit sniegto drošības noteikumu un instrukciju neievērošana var izraisīt aizdegšanos un būt par cēloni elektriskajam triecienam vai nopietnam savainojumam.

Pēc izlasīšanas uzglabājiet šos noteikumus turpmākai izmantošanai.

Drošības noteikumus lietotais apzīmējums "elektroinstrumenti" attiecas gan uz Jūsu tikla elektroinstrumentiem (ar elektrokabeļi), gan arī uz akumulatora elektroinstrumentiem (bez elektrokabeļa).

Drošība darba vietā

- **Uzturiet savu darba vietu tīru un labi apgaismotu.** Nekārtīgās un tumšās vietās var viegli notikt nelaimes gadījums.
- **Nedarbiniet elektroinstrumentus sprādzienbīstamā atmosfērā, piemēram, viegli uzliesmojošu šķidrumu tuvumā un vietās ar paaugstinātu gāzu vai putekļu saturu gaisā.** Darba laikā elektroinstrumenti nedaudz dzirkstējo, un tas var izsaukt viegli degošu putekļu vai tvaiku aizdegšanos.
- **Darbinot elektroinstrumentu, neļaujiet bērniem un nepiederošām personām tuvuoties darba vietai.** Citu personu klātbūtne var novērst uzmanību, kā rezultātā jūs varat zaudēt kontroli pār elektroinstrumentu.

Elektrodrošība

- **Nelietojiet elektroinstrumentu lietus laikā, neturiet to mitrumā.** Mitrumam iekļūstot elektroinstrumentā, pieaug risks saņemt elektrisko triecienu.

Personiskā drošība

- **Strādājot ar elektroinstrumentu, saglabājiet paškontroli un rīkojieties saskaņā ar veselo saprātu. Pārtrauciet darbu, ja jūtaties noguris vai arī atrodaties narkotiku, alkohola vai medikamentu iespaidā.** Strādājot ar elektroinstrumentu, pat viens neuzmanības mirklis var būt par cēloni nopietnam savainojumam.
- **Lietojiet individuālo darba aizsargapriekojumu. Darba laikā vienmēr nēsājiet aizsargbrilles.** Individuālā darba aizsargapriekojuma (putekļu maskas, neslidošu apavu un aizsargķiveres vai ausu aizsargu) lietošana noteiktos apstākļos ļaus samazināt savainošanās risku.
- **Nepieļaujiet elektroinstrumenta patvaļīgu ieslēgšanos. Pirms elektroinstrumenta pievienošanas elektrotīklam, akumulatora ievietošanas vai**

izņemšanas, kā arī pirms elektroinstrumenta pārņemšanas pārliecinieties, ka tas ir izslēgts. Pārnesot elektroinstrumentu, ja pirksts atrodas uz ieslēdzēja, kā arī pievienojot to elektrobarošanas avotam laikā, kad elektroinstrumenti ir ieslēgti, var viegli notikt nelaimes gadījums.

- **Pirms elektroinstrumenta ieslēgšanas izņemiet no tā regulējošos rīkus vai atslēgas.** Regulējošais rīks vai atslēga, kas ieslēgšanas brīdī atrodas elektroinstrumenta kustīgajās daļās, var radīt savainojumu.
- **Nesniedzieties pārāk tālu. Jebkurā situācijā saglabājiet līdzsvaru un stingru stāju.** Tas atvieglos elektroinstrumenta vadīšanu neparedzētās situācijās.
- **Nēsājiet darbam piemērotu apģērbu. Darba laikā nenēsājiet brīvi plandošas drēbes un rotaslietas. Netuviniet garus matus un drēbes kustošām daļām.** Vaļīgas drēbes, rotaslietas un gari mati var iekļerties kustošajās daļās.
- **Ja elektroinstrumenta konstrukcija ļauj tam pievienot putekļu uzsūkšanas vai savākšanas, nodrošiniet, lai tā būtu pievienota un tiktu pareizi lietota.** Pielietojot putekļu savākšanu, samazinās to kaitīgā ietekme uz veselību.
- **Nepaļaujieties uz iemaņām, kas iegūtas, bieži lietojot instrumentus, neiesligstiet pašapmierinātībā un neignorējiet instrumenta drošas lietošanas principus.** Neuzmanīgas rīcības dēļ dažās sekundes daļās var būt nopietnu savainojumu.

Saudzīga apiešanās un darbs ar elektroinstrumentiem

- **Nepārslogojiet elektroinstrumentu. Ikvienam darbam izvēlieties piemērotu elektroinstrumentu.** Elektroinstrumenti darbojas labāk un drošāk pie nominālās slodzes.
- **Nelietojiet elektroinstrumentu, ja to ar ieslēdzēja palīdzību nevar ieslēgt un izslēgt.** Elektroinstrumenti, ko nevar ieslēgt un izslēgt, ir bīstams lietošanai un to nepieciešams remontēt.
- **Pirms elektroinstrumenta regulēšanas, piederumu nomaiņas vai novietošanas uzglabāšanai atvienojiet tā elektrokabeļa kontaktdakšu no barojošā elektrotīkla vai izņemiet no tā akumulatoru, ja tas ir izņemams.** Šādi iespējams novērst elektroinstrumenta nejaušu ieslēgšanos.
- **Ja elektroinstrumenti netiek lietoti, uzglabājiet to piemērotā vietā, kur elektroinstrumenti nav sasniedzams bērniem un personām, kuras neprot ar to rīkoties vai nav iepazīnušas ar šiem noteikumiem.** Ja elektroinstrumentu lieto nekompetentas personas, tas var apdraudēt cilvēku veselību.
- **Savlaicīgi apkalpojiet elektroinstrumentus un to piederumus. Pārbaudiet, vai kustīgās daļās nav nobīdījušās un ir droši iestiprinātas, vai kāda no daļām nav salauzta un vai nepastāv jebkuri citi apstākļi, kas varētu nelabvēlīgi ietekmēt elektroinstrumenta darbību. Ja elektroinstrumenti ir bojāti, nodrošiniet, lai tas pirms lietošanas tiktu izremontēts. Daudzi**

nelaimes gadījumi notiek tāpēc, ka elektroinstrumenti pirms lietošanas nav pienācīgi apkalpoti.

► **Uzturiet griezošos darbinstrumentus asus un tīrus.**

Rūpīgi kopti elektroinstrumenti, kas apgādāti ar asiem griezējinstrumentiem, ļauj strādāt daudz ražīgāk un ir vieglāk vadāmi.

► **Lietojiet vienīgi tādas elektroinstrumentus, piederumus, darbinstrumentus utt., kas atbilst šeit sniegtajiem norādījumiem, ņemot vērā arī konkrētos lietošanas apstākļus un veicamā darba raksturu.**

Elektroinstrumentu lietošana citiem mērķiem, nekā tiem, kuriem to ir paredzējis ražotājs, ir bīstama un var novest pie neparedzamām sekām.

► **Uzturiet elektroinstrumenta rokturus un noturvirsmas sausas, tīras un brīvas no eļļas un smērvielām.** Slideni rokturi un noturvirsmas traucē efektīvi rīkoties ar elektroinstrumentu un to droši vadīt neparedzētās situācijās.

Saudzīga apiešanās un darbs ar akumulatora elektroinstrumentiem

► **Akumulatoru uzlādei lietojiet tikai ražotāja norādīto uzlādes ierīci.** Ikvienu uzlādes ierīci ir paredzēta tikai noteikta tipa akumulatoram, un mēģinājums to lietot cita tipa akumulatoru uzlādei var novest pie uzlādes ierīces un/vai akumulatora aizdegšanās.

► **Lietojiet elektroinstrumentos tikai tiem īpaši paredzētus akumulatorus.** Cita tipa akumulatoru lietošana var būt par cēloni savainojumam vai novest pie elektroinstrumenta un/vai akumulatora aizdegšanās.

► **Laikā, kad akumulators netiek lietots, nepieļaujiet, lai tā kontakti saskartos ar saspraudēm, monētām, atslēgām, naglām, skrūvēm vai citiem neliekiem metāla priekšmetiem, kas varētu veidot savienojumu starp kontaktiem, izraisot īsslēgumu.** Īsslēgums starp akumulatora kontaktiem var radīt apdegumus un izraisīt aizdegšanos.

► **Nepareizi lietojot akumulatoru, no tā var izplūst šķidrāis elektrolīts; nepieļaujiet tā nonākšanu saskarē ar ādu.** Ja tas tomēr ir nejauši noticis, noskalojiet elektrolītu ar ūdeni. Ja elektrolīts nonāk acīs, meklējiet ārstu palīdzību. No akumulatora izplūdušais elektrolīts var izsaukt ādas iekaisumu vai pat apdegumu.

► **Nelietojiet akumulatoru vai elektroinstrumentu, ja tas ir bojāts vai modificēts.** Bojāti vai modificēti akumulatori var radīt neparedzētās situācijas, kuru rezultātā var notikt aizdegšanās vai sprādziens, kā arī var rasties savainojuma risks.

► **Neturiet elektroinstrumentu vai akumulatoru uguns tuvumā vai vietā ar augstu temperatūru.** Elektroinstrumenta vai akumulatora atrašanās uguns tuvumā vai vietā, kur temperatūra pārsniedz 130 °C, var izraisīt sprādzienu.

► **Ievērojiet visas uzlādēšanas instrukcijas un neuzlādējiet akumulatoru vai elektroinstrumentu pie temperatūras, kas atrodas ārpus instrukcijā norādīto pieļaujamo temperatūras vērtību diapazona robežām.**

Uzlādējot akumulatoru neatbilstošā veidā vai pie temperatūras, kas atrodas ārpus pieļaujamo temperatūras vērtību diapazona robežām, tas var tikt bojāts, kā arī var pieaugt aizdegšanās risks.

Apkalpošana

► **Nodrošiniet, lai elektroinstrumenta remontu veikt kvalificēts personāls, nomainībai izmantojot vienīgi identiskas rezerves daļas.** Tikai tā ir iespējams panākt un saglabāt vajadzīgo darba drošības līmeni.

► **Nekādā gadījumā neveiciet bojātu akumulatoru apkalpošanu.** Akumulatoru apkalpošanu drīkst veikt tikai ražotājs vai tā pilnvaroti servisa speciālisti.

Drošības noteikumi naglu pistolei

► **Vienmēr pieņemiet, ka naglu pistole satur stiprinājuma elementus.** Neuzmanīgi rīkojoties ar naglu pistoli, no tās var tikt pēkšņi izmestas stiprinājumus, kas var radīt personām ievainojumus.

► **Atvienojiet naglu pistoli no elektrobarošanas avota, kad uzpildāt un izņemat stiprinājumus, veicat pielāgojumus vai maināt piederumus.** Instruments var tikt nejauši aktivizēts, ja tas ir pieslēgts elektrobarošanas avotam, kas var izraisīt personu ievainojumus.

► **Esiet uzmanīgi, rīkojoties ar stiprinājumiem, it īpaši, tos ielādējot vai izņemot no instrumenta.** Stiprinājumiem ir asi gali, kas var radīt personām ievainojumus.

► **Neversiet naglu pistoli pret sevi vai pret jebkuru citu tuvmā esošu cilvēku.** Negaidītas palaišanas gadījumā tiks izmests stiprinājums, kas var radīt personas ievainojumus.

► **Netuviniet pirkstus sprūdam, kad nelietojat naglu pistoli vai pārvietojaties no vienas darba vietas uz citu.** Negaidītas palaišanas gadījumā tiks izmesta skava, kas var radīt personas ievainojumus.

► **Veicot darbības, kuru laikā stiprināmais elements var skart slēptus vadus, turiet naglu pistoli aiz izolētajām noturvirsmām.** Stiprinājuma elementam skarot spriegumnesošus vadus, spriegums var nonākt arī uz naglu pistoles atklātajām metāla daļām, kā rezultātā lietotājs var saņemt elektrisko triecienu.

► **Darbības laikā cieši turiet naglu pistoli.** Nekontrolēta naglu pistoles atsienā rezultātā var notikt nejauša instrumenta aktivizēšana, kas var radīt personas ievainojumus.

► **Turiet visas ķermeņa daļas, piem., rokas un kājas u.c. projām no naglu pistoles trieciena virziena.** Stiprinājums var izdurties cauri apstrādāmajam priekšmetam, kā arī jebkuram citam priekšmetam aiz tā, kas var radīt personas ievainojumus.

► **Izmantojot naglu pistoli, turiet visas ķermeņa daļas, piem., rokas un kājas utt. projām no vietas, kurā stiprinājumi tiek iedzīti apstrādājamajā priekšmetā.** Stiprinājums var novirzīties un izkļūt no apstrādājamā priekšmeta, kas var radīt personas ievainojumus.

- ▶ **Nepalaidiet naglu pistoli, pirms tā nav cieši piespiesta stiprināmajam priekšmetam.** Ja naglu pistole nesaskaras ar apstrādājamo priekšmetu, stiprinājuma elements var novirzīties no mērķa vietas.
- ▶ **Nelietojiet šo naglu pistoli elektrisko vadu stiprināšanai.** Tas nav paredzēts elektrisko vadu stiprināšanai un var sabojāt vadu izolāciju, līdz ar to radot elektriskā trieciena saņemšanas vai ugunsgrēka apdraudējumu.
- ▶ **Ja stiprinājuma elements iestrēgst naglu pistolē, atvienojiet to no elektrobarošanas avota.** Izņemot iestrēgušu stiprinājumu, naglu pistole var tikt nejauši aktivizēta, ja tā ir pieslēgta elektrobarošanas avotam, kas var izraisīt personu ievainojumus.
- ▶ **Izņemot iestrēgušo stiprinājuma elementu, ievērojiet piesardzību.** Mehānisms var būt nospriegots, kā rezultātā no instrumenta var ar lielu spēku tikt izmests stiprinājuma elements, kas var izraisīt personas ievainojumus.
- ▶ **Lietojot piemērotu metālmeklētāju, pārbaudiet, vai apstrādes vietu nešķērso slēptas komunālapgādes līnijas, vai arī griezieties pēc konsultācijas vietējā komunālās saimniecības iestādē.** Darbinstrumenta saskaršanās ar elektropārvades līniju var izraisīt aizdegšanos vai būt par cēloni elektriskajam triecienam. Bojājums gāzes pārvades līnijā var izraisīt sprādzienu. Kontakta rezultātā ar ūdensvada cauruli, var tikt bojātas materiālās vērtības.
- ▶ **Bojājuma vai nepareizas lietošanas rezultātā akumulators var izdalīt kaitīgus izgarojumus. Akumulators var aizdegties vai sprāgt.** Ielaidiet telpā svaigu gaisu un smagākos gadījumos meklējiet ārsta palīdzību. Izgarojumi var izraisīt elpošanas ceļu kairinājumu.
- ▶ **Neatveriet akumulatoru un neveiciet tam nekādas modifikācijas.** Pastāv isslēguma risks.
- ▶ **Iedarbojoties uz akumulatoru ar smailu priekšmetu, piemēram, ar naglu vai skrūvgriezi, kā arī ārēja spēka iedarbības rezultātā akumulators var tikt bojāts.** Tas var radīt iekšēju isslēgumu, kā rezultātā akumulators var aizdegties, dūmot, eksplodēt vai pārkarst.
- ▶ **Lietojiet akumulatoru vienīgi ražotāja izstrādājumos.** Tikai tā akumulators tiek pasargāts no bīstamām pārslodzēm.



Sargājiet akumulatorus no karstuma, piemēram, no ilgstošas saules staru iedarbības, kā arī no uguns, netīrumiem, ūdens un mitruma.

Pastāv sprādziena un isslēguma risks.

Simboli un to nozīme

Šeit ir aplūkoti daži apzīmējumi, kuru nozīmi ir svarīgi zināt, lietojot elektroinstrumentu. Tāpēc lūdzam iegaumēt šos simbolus un to nozīmi. Apzīmējumu pareiza interpretācija ļaus vieglāk un drošāk strādāt ar elektroinstrumentu.

Simboli un to nozīme



Lietojiet ierīces dzirdes orgānu aizsardzībai. Trokšņa iedarbība var radīt paliekošus dzirdes traucējumus.



Lietojiet aizsargbrilles.

Izstrādājuma un tā funkciju apraksts



Izlasiet drošības noteikumus un norādījumus lietošanai. Drošības noteikumu un norādījumu neievērošana var izraisīt aizdegšanos un būt par cēloni elektriskajam triecienam vai nopietnam savainojumam.

Ņemiet vērā attēlus lietošanas pamācības sākuma daļā.

Paredzētais lietojums

Elektroinstrumenti ir paredzēti naglu dzišanai kokā. Driski izmantot tikai tādos stiprinājuma elementus (naglas, skavas un citus), kas norādīti tabulā "Tehniskie dati".

Norāde: elektroinstrumenti nav paredzēti naglu iedzišanai metālā vai betonā.

Attēlotās sastāvdaļas

Attēloto komponentu numerācija atbilst karstā elektroinstrumenta attēlojumam grafiskajā lapā.

- (1) Stobrs
- (2) Apstrādājamā priekšmeta sargs 1
- (3) Iedzišanas kanāla pārsegs
- (4) Skrūve iedzišanas kanāla atvēršanai/aizvēršanai
- (5) Darba gaisma
- (6) Palaidējs
- (7) Akumulatora atbloķēšanas taustiņš
- (8) Akumulators
- (9) Jostas āķi
- (10) Magazīnas atvēršanas slēdzis
- (11) Magazīnas bidnis
- (12) Dziļuma ierobežotāja regulēšanas pirkstrats
- (13) Sešstūra stienatslēga
- (14) Uzpildes indikatora lodziņš
- (15) Aktivizēšanas drošības elements
- (16) Rokturis (ar izolētu noturvirsmu)
- (17) Naglu josla^{a)}
- (18) Magazīna
- (19) Nodalījums apstrādājamā priekšmeta sarga uzglabāšanai

(20) Apstrādājamā priekšmeta sarg 2

a) Šie piederumi neietilpst standarta piegādes komplektā.

Tehniskie dati

Akumulatora naglu pistole		GNH 18V-35
Izstrādājuma numurs		3 601 D82 7..
Nominālais spriegums	V=	18
Aktivizācijas sistēma		
– Atsevišķā aktivizācija ar drošības secību		
Stiprinājuma elementi		
– Modelis		
		Stienis PRO PN23 G
– Garums		
	mm	15 19 25 30 35
– Diametrs		
	mm	0,6
	ga	23
– Leņķis		
		0°
Maks. magazīnas ietilpība		
		110
Izmērs (bez akumulatora)		
– Augstums		
	mm	214
– Platums		
	mm	81
– Garums ar apstrādājamā priekšmeta sargu		
	mm	232
Svars ^{A)}		
	kg	1,7
Ieteicamā apkārtējā gaisa temperatūra uzlādes laikā		
	°C	0 ... +35
Pieļaujamā apkārtējā gaisa temperatūra darbības laikā ^{B)} un uzglabāšanas laikā		
	°C	–20 ... +50
Saderīgie akumulatori		
		GBA18V... GBA 18V... ProCORE18V... EXPERT18V... EXBA18V... CORE18V...
Ieteicamie akumulatori		
		GBA 18V... ≥ 2,0 Ah
Ieteicamās uzlādes ierīces		
		GAL18... GAL 18... GAL 36... GAL12V/18... GAL 12V/18...

Akumulatora naglu pistole GNH 18V-35

GAX 18...
EXAL18...

- A) Bez akumulatora (akumulatora svaru atradīsiet timeklā vietnē www.bosch-professional.com.)
- B) ierobežota jauda pie temperatūras vērtībām < 0 °C
- Vērtības var atšķirties atkarībā no konkrētā izstrādājuma un izmantošanas vai apkārtējās vides apstākļiem. Plašāku informāciju skatiet vietnē www.bosch-professional.com/wac.

Informācija par troksni/vibrācijām

Trokšņa emisijas vērtības ir noteiktas atbilstīgi **EN IEC 62841-2-16**.

Elektroinstrumenta radītā trokšņa pēc A raksturlikses izsvērtās tipiskās vērtības ir šādas: skaņas spiediena līmenis **88 dB(A)**; akustiskās jaudas līmenis **97 dB(A)**. Mērījuma nenoteiktība K = **3 dB**.

Lietojiet dzirdes aizsarglīdzekļus!

Kopējā vibrācijas vērtība a_h (pastāvīga vibrācija), p_f (atkārtotas triecienvibrācijas) un mērījuma nenoteiktība K ir noteiktas atbilstīgi **EN IEC 62841-2-16**:

a_h = **1,6 m/s²** (K = **1,5 m/s²**), p_f = **1924 m/s²** (K = **120 m/s²**)

Šajā pamācībā norādītais vibrācijas līmenis un instrumenta radītā trokšņa vērtība ir izmērīta atbilstoši standartā noteiktajai procedūrai un var tikt izmantota elektroinstrumentu savstarpējai salīdzināšanai. To var izmantot arī vibrācijas un trokšņa radītās papildu slodzes iepriekšējai novērtēšanai.

Šeit norādītais svārstību līmenis un instrumenta radītā trokšņa vērtība ir attiecināma uz elektroinstrumenta galvenajiem pielietojuma veidiem. Ja elektroinstruments tiek lietots netipiskiem mērķiem, kopā ar netipiskiem darbinstrumentiem vai nav vajadzīgajā veidā apkalpots, tā svārstību līmenis un radītā trokšņa vērtība var atšķirties no šeit norādītajām vērtībām. Tas var ievērojami palielināt svārstību un trokšņa radīto papildu slodzi kopējam darba laika posmam.

Lai precīzi izvērtētu svārstību un trokšņa radīto papildu slodzi zināmam darba laika posmam, jāņem vērā arī laiks, kad elektroinstruments ir izslēgts vai arī darbojas, taču faktiski netiek izmantots paredzētā darba veikšanai. Tas var ievērojami samazināt svārstību un trokšņa radīto papildu slodzi kopējam darba laika posmam.

Veiciet papildu pasākumus, lai pasargātu strādājošo personu no vibrācijas kaitīgas iedarbības, piemēram, savlaicīgi veiciet elektroinstrumenta un darbinstrumentu apkalpošanu, uzturiet rokas siltas un pareizi plānojiet darbu.

Akumulators

- **Pirms jebkādu darbu veikšanas pie elektroinstrumenta (piem. apkope, instrumentu maiņa utt.) izņemiet akumulatoru no elektroinstrumenta.** Ja nejausi nospiež ieslēdzēju/izslēdzēju, pastāv savainojumu risks.

Bosch pārdod akumulatora elektriskos darbinstrumentus arī bez akumulatora. Tas, vai Jūsu elektriskā darbinstrumenta

piegādes komplektācijā ir iekļauts akumulators, ir norādīts uz iesaiņojuma.

Akumulatora uzlāde

► **Izmantojiet vienīgi tehniskajos datos norādītās uzlādes ierīces.** Vienīgi šī uzlādes ierīce ir piemērota jūsu elektroinstrumenta izmantojamā litija-jonu akumulatora uzlādei.

Norāde: atbilstoši starptautiskajiem kravu pārvadāšanas noteikumiem litija jonu akumulatori tiek piegādāti daļēji uzlādētā stāvoklī. Lai nodrošinātu pilnu akumulatora jaudu, pirms pirmās lietošanas reizes pilnībā uzlādējiet akumulatoru.

Akumulatora ielikšana

Ievietojiet uzlādēto akumulatoru akumulatora stiprinājumā, līdz tas tiek nofiksēts.

Akumulatora izņemšana

Lai izņemtu akumulatoru, nospiediet akumulatora atbrīvošanas taustiņu un izvelciet akumulatoru.

Nedarbojieties ar spēku.

Akumulatoram 2 ir divpakāpju fiksators, kas neļauj tam izkrist, kad nejausi nospiež akumulatora atbrīvošanas pogu. Kamēr akumulators ir ielikts elektroinstrumentā, to notur atspere.

Akumulatora uzlādes pakāpes indikators

Piezīme: ne visiem akumulatoru tipiem ir uzlādes līmeņa indikators.

Akumulatora uzlādes pakāpes indikators zaļās LED diodes parāda akumulatora uzlādes pakāpi. Vadoties no drošības apsvērumiem, uzlādes pakāpe ir nolasāma tikai tad, ja elektroinstrumenta atrodas miera stāvoklī.

Lai nolasītu akumulatora uzlādes pakāpi, nospiediet akumulatora uzlādes pakāpes nolasīšanas taustiņu  vai . Tas iespējams arī tad, ja akumulators ir izņemts no elektroinstrumenta.

Ja pēc akumulatora uzlādes pakāpes nolasīšanas taustiņa nospiešanas neiedegas neviena no uzlādes pakāpes indikatora LED diodēm, tas nozīmē, ka akumulators ir bojāts un to nepieciešams nomainīt.

Akumulatora tips GBA 18V... | GBA18V...



LED	Uzlādes līmenis
Pastāvīgi deg 3 zaļas LED diodes	60–100%
Pastāvīgi deg 2 zaļas LED diodes	30–60%
Pastāvīgi deg 1 zaļa LED diode	5–30%
Mirgo 1 zaļa LED diode	0–5%

Akumulatora veids ProCORE18V... | EXPERT18V... | EXBA18V... | CORE18V...



LED	Uzlādes līmenis
Pastāvīgi deg 5 zaļas LED diodes	80–100%
Pastāvīgi deg 4 zaļas LED diodes	60–80%
Pastāvīgi deg 3 zaļas LED diodes	40–60%
Pastāvīgi deg 2 zaļas LED diodes	20–40%
Pastāvīgi deg 1 zaļa LED diode	5–20%
Mirgo 1 zaļa LED diode	0–5%

Pareiza apiešanās ar akumulatoru

Sargājiet akumulatoru no mitruma un ūdens.

Uzglabājiet akumulatoru pie temperatūras no –20 °C līdz 50 °C. Neatstājiet akumulatoru karstumā, piemēram, vasaras laikā neatstājiet to automašīnā.

Laiku pa laiku iztīriet akumulatora ventilācijas atvērumus ar mikstu, tīru un sausu otu.

Ja manāmi samazinās instrumenta darbības laiks starp akumulatora uzlādēm, tas norāda, ka akumulators ir nolietojies un to nepieciešams nomainīt.

Ievērojiet norādījumus par atbrīvošanas no nolietotajiem izstrādājumiem.

Montāža

- **Pirms jebkādu darbu veikšanas pie elektroinstrumenta (piem. apkope, instrumentu maiņa utt.) izņemiet akumulatoru no elektroinstrumenta.** Ja nejausi nospiež ieslēdzēju/izslēdzēju, pastāv savainojumu risks.
- **Vienmēr nolieciet elektroinstrumentu uz sāniem un nenovietojiet to uz akumulatora.** Atkarībā no izmantotā darbinstrumenta un akumulatora elektroinstrumenta var apkrist.

Magazīnas uzpildīšana (skatiet attēlus A1–A2)

- **Izņemiet akumulatoru pirms elektroinstrumenta regulēšanas, piederumu nomaiņas vai novietošanas.** Šis piesardzības pasākums ļaus novērst elektroinstrumenta patvaļīgu palaišanos.

Izmantojiet tikai oriģinālos Bosch piederumus.

Elektroinstrumenta precizitātes daļas, piemēram, magazīna, stobrs un iedzišanas kanāls, ir paredzētas **skavām, naglām un tapām no Bosch**. Citās firmās ražo cita izmēra elementus no citas kvalitātes tērauda.

Norāde: izmantojiet tikai tos stiprinājuma elementus, kas ir norādīti tabulā "Tehniskie dati".

Neatbilstīgu stiprinājuma elementu izmantošana var radīt elektroinstrumenta bojājumus un personu savainojumus.

Veicot magazīnas uzpildi, turiet elektroinstrumentu tā, lai tā stobrs (1) nebūtu pāvērstis pret jūsu ķermeni vai citām personām.

- Lai atvērtu magazīnu, nospiediet slēdzi **(10)**. Magazīnas bīdnis **(11)** izvirsās.
- Ievietojiet naglu joslu **(17)** magazīnas kreisajā augšējā daļā **(18)**.

Norāde: uzpildiet magazīnu tikai ar tā paša garuma naglām. Pirms ievietojat cita garuma naglas, izņemiet naglas no magazīnas.

Norāde: elektroniska uzraudzības sistēma atpazīst, vai magazīnā ir naglas. Ja tiek nospiests cauri aktivizēšanas drošības elements, magazīnai esot tukšai, dzišanas darbība netiek aktivizēta. Līdz to ar to tiek novērsti tukši šāvienī.

- Lai aizvērtu magazīnu **(18)**, uzmanīgi virziet magazīnas bīdni **(11)** uz priekšu, līdz magazīnas **(18)** sākumam.

Norāde: magazīnas bīdnim jābūt atbīdītam bez liela spēka (tikai ar pirkstu spēku). Iespējams, magazīnas bīdnis rada šādas sekas: nagla netiek izšauta, nagla paliek iedzišanas kanālā (skatīt iestrēgšanu) vai nagla tiek izšauta nepareizā leņķī.

Lietošana

- **Vienmēr nolieciet elektroinstrumentu uz sāniem un nenovietojiet to uz akumulatora.** Atkarībā no izmantotā darbinstrumenta un akumulatora elektroinstrumenti var apkrīst.

Aktivizācijas sistēma

Atsevišķā aktivizācija ar drošības secību

Šajā aktivizācijas sistēmā aktivizēšanas drošības elements **(15)** vispirms ir jānovieto cieši pie apstrādājamā priekšmeta. Stiprinājuma elements tiks izšauts tikai pēc palaišanas **(6)** nospiešanas.

Pēc tam nākamās stiprinājuma elementus iespējams iedzīt tikai tad, kad palaidējs **(6)** atkal atrodas izejas pozīcijā un aktivizēšanas drošības elements **(15)** vēl ir pilnībā nospiests.

Ekspluatācijas sākšana

Ieslēgšana/izslēgšana

Pēc akumulatora **(8)** ievietošanas elektroinstrumenti ir gatavi darbam.

Naglas izšaušana

- Stingri uzlieciet stobru **(1)** vai nepieciešamības gadījumā gumijas apstrādājamā priekšmeta sargu **(2)** uz apstrādājamā priekšmeta tā, lai aktivizēšanas drošības elements **(15)** būtu pilnībā iespiests. Ieslēdzas darba gaisma **(5)**, un motors sāk darboties.
- Pēc tam īsi nospiediet palaidēju **(6)** un atkal atlaidiet to. Tādējādi tiek izšauta nagla.
- Lai iedzītu nākamās stiprinājuma elementu, pilnībā noņemiet elektroinstrumentu no apstrādājamā priekšmeta un stingri novietojiet to nākamajā izvēlētajā vietā. Alternatīvi var turēt nospiestu palaidēja drošības elementu **(15)** un nospiegt palaidēju **(6)**, lai izšautu nākamā naglu.

Norādījumi par darbu

Pirms darbu uzsākšanas pārliecinieties, ka drošības un aktivizēšanas iekārtas darbojas un visas skrūves un uzgriežņi ir stingri pievilkti.

Elektroinstrumentu, kuram radušies bojājumi vai darbības traucējumi, nekavējoties atvienojiet no barošanas avota un sazinieties ar Bosch pilnvarotu remonta darbnīcu.

Neveiciet elektroinstrumentam nekādus neatbilstīgus pārveidojumus. Demontējiet vai bloķējiet tādas elektroinstrumenta daļas kā aktivizēšanas drošības elements.

Neveiciet nekādus „Ārkārtas remonta darbus, izmantojot nepiemērotus līdzekļus. Elektroinstrumentam regulāri un pareizi jāveic apkopes darbi.

Novērsiet jebkādu elektroinstrumenta veiktspējas pasliktināšanos vai bojājumus, piemēram, ko var radīt, piemēram:

- sitieni vai iegrāvējumi;
- ražotāja neapstiprināti pārveidojumi;
- no cieta materiāla, piemēram, tērauda, izgatavotu veidņu izmantošana darbā;
- kritieni pret grīdu vai vilkšana pa to;
- izmantošana par āmuru;
- jebkāda veida pārmērīga spēka pielietošana.

Pārbaudiet, kas atrodas zem vai aiz apstrādājamā priekšmeta. Nedzeniet naglas sienās, griestos vai grīdā, ja aiz tiem atrodas personas. Nagla var iztriekties cauri apstrādājamajam priekšmetam un kādā savainot.

Nedzeniet naglu virs jau iedzītas naglas. Tādējādi varat deformēt naglu, tā var iesprūst vai izraisīt nekontrolējamu elektroinstrumenta kustības.

Lai mazinātu triecienstieņa nolietošanos, nedarbiniet instrumentu tukšgaitā.

Ilgāku pārtraukumu gadījumā vai darba beigās izņemiet akumulatoru, un, ja iespējams, iztukšojiet magazīnu. Novietojiet elektroinstrumentu uz līdzenas virsmas, lai netiktu aktivizēts kontaktelements.

Magazīnas iztukšošana (skatīt attēlu B1-B2)

- Lai atvērtu magazīnu, nospiediet slēdzi **(10)**. Magazīnas bīdnis **(11)** izvirsās.
- Pagrieziet elektroinstrumentu tā, lai naglu josla **(17)** izslidētu no magazīnas **(18)**.
- Lai aizvērtu magazīnu **(18)**, uzmanīgi virziet magazīnas bīdni **(11)** uz priekšu, līdz magazīnas **(18)** sākumam.

Iedzišanas dziļuma iestatīšana (skatīt attēlu C)

Naglu iedzišanas dziļumu var iestatīt ar pirkstratu **(12)**.

- Iztukšojiet magazīnu **(18)**.
- **Naglas tiek iedzītas pārāk dziļi:** lai samazinātu iedzišanas dziļumu, pagrieziet pirkstratu **(12)** virzienā “–”.



- **Naglas netiek iedzītas pārāk dziļi:** lai palielinātu iedzīšanas dziļumu, pagrieziet pirkstratu **(12)** virzienā "+".
- Atkal uzpildiet magazīnu.
- Pārbaudiet jauno iedzīšanas dziļumu, veicot izmēģinājumus uz pārbaudes apstrādājamā priekšmeta. Nepieciešamības gadījumā atkārtojiet norādītās darbības.



Nosprostojumu likvidēšana (skatiet D1–D3 att.)

Atsevišķas naglas var iesprūst iedzīšanas kanālā. Ja tā bieži gadās, sazinieties ar pilnvarotu Bosch remonta darbnīcu.

- Atlaidiet palaidēju **(6)**.
- Izņemiet akumulatoru **(8)** no elektroinstrumenta.
- Iztukšojiet magazīnu **(18)**.
- Atskrūvējiet skrūves iedzīšanas kanāla **(4)** atvēršanai/ aizvēršanai ar sešstūra stienpatslēgu **(13)** un noņemiet iedzīšanas kanāla **(3)** pārsegu, pabīdot un paceļot to, lai būtu iespējams atvērt iedzīšanas kanālu.
- Izņemiet iesprūdušo naglu. Ja nepieciešams, izmantojiet knaibles.
- Aizveriet iedzīšanas kanālu, uzliekot iedzīšanas kanāla **(3)** pārsegu un bīdot to līdz galam elektroinstrumenta korpusa virzienā.
- Cieši pievelciet skrūves iedzīšanas kanāla **(4)** atvēršanai/ aizvēršanai ar sešstūra stienpatslēgu **(13)**.
- Atkal uzpildiet magazīnu **(18)**.

Apstrādājamā priekšmeta sarga nomaīņa (skatiet E att.)

Apstrādājamā priekšmeta sargs **(2)**, kas atrodas aktivizēšanas drošības elementa **(15)** galā, aizsargā apstrādājamo priekšmetu, kamēr elektroinstruments tiek novietots pareizā iedzīšanas pozīcijā. Apstrādājamā priekšmeta sargu var noņemt un nomainīt.

- Atlaidiet palaidēju **(6)**.

Apkopes un remonta darbu plāns

Iztīriet magazīnu **(18)**. Izņemiet koka skaidas, kas var būt uzkrājušās magazīnā darba laikā. Regulāri notīriet elektroinstrumentu ar saspiesta gaisa strūklu.

Darbība	Pamatojums	Izpilde
Notīriet magazīnu (18) un magazīnas bidni (11) .	Novērš naglu iesprūšanu.	– Katru dienu izpūstiet magazīnas/ magazīnas bidņa mehānismu ar saspiestu gaisu.
Pārliecinieties, ka aktivizēšanas drošības elements (15) pareizi darbojas.	Veicina darba drošību un efektīvu elektroinstrumenta lietošanu.	– Katru dienu izpūstiet aktivizēšanas drošības elementa mehānismu ar saspiestu gaisu.

Traucējumu novēršana

Kļūme	Cēlonis	Kļūmju novēršana
Elektroinstruments nav gatavs darbam.	Akumulators ir izlādējies vai arī ir bojāts.	– Pilnībā uzlādējiet akumulatoru vai nomainiet to.

- Izņemiet akumulatoru **(8)** no elektroinstrumenta.
- Iztukšojiet magazīnu **(18)**.
- Novelciet apstrādājamā priekšmeta sargu no aktivizēšanas drošības elementa.
- Uzbidiet atvērto apstrādājamā priekšmeta sarga daļu uz aktivizēšanas drošības elementa.

Norāde: apstrādājamā priekšmeta sargu **(20)** darbam šaurās vietās var uzglabāt magazīnas **(18)** apakšējā daļā. Pēc apstrādājamā priekšmeta sarga nomaīņas otru apstrādājamā priekšmeta sargu iebīdiet glabātuvē **(19)**.

Transportēšana un uzglabāšana

Izņemiet akumulatoru no elektroinstrumenta, ja veiksi transportēšanu.

Pārsniet elektroinstrumentu uz darba vietu tikai aiz roktura **(16)**, nenospiežot palaidēju **(6)**.

Elektroinstrumentu vienmēr glabāji ar izņemtu akumulatoru sausā un tīrā vietā.

Ja elektroinstrumentu paredzēts ilgāku laiku nelietot, pārklājiet instrumenta tērauda daļas ar eļļas kārtu. Tādējādi tiek novērsta rūsas veidošanās.

Jostas āķi (skatiet attēlu F)

Izmantojot jostas āķi **(9)**, elektroinstrumentu var iekarināt, piemēram, pie jostas. Tas ļauj izbīvēt darbam abas rokas, un elektroinstruments vienmēr ir viegli sasniedzams.

Apkalpošana un apkope

Apkalpošana un tīrīšana

- **Pirms jebkādu darbu veikšanas pie elektroinstrumenta (piem. apkope, instrumentu maiņa utt.) izņemiet akumulatoru no elektroinstrumenta.** Ja nejausi nospiežot ieslēdzēju/ izslēdzēju, pastāv savainojumu risks.
- **Lai elektroinstruments darbotos efektīvi un droši, regulāri tīriet korpusu un ventilācijas atveres.**

Kļūme	Cēlonis	Kļūmju novēršana
Elektroinstruments ir gatavs darbam, taču tas neizšauj naglas.	Akumulators nav pareizi ievietots.	– Raugiet, lai akumulators būtu nofiksēts pie roktura.
	Akumulatora temperatūra ir pārāk augsta vai zema.	– Pagaidiet, līdz akumulators (atkal) sasniedz optimālo darba temperatūru.
	Akumulatora kontakti vai motors ir netīri vai bojāti.	– Sazinieties ar Bosch pilnvarotu remonta darbnīcu. Lieciet šim centram nomainīt attiecīgo daļu.
	Magazīna (18) ir tukša.	– Atkal uzpildiet magazīnu. (skatīt „Magazīnas uzpildīšana (skatiet attēlus A1–A2)”, Lappuse 11)
	Aktivizēšanas drošības elements (15) ir saliekts.	– Sazinieties ar Bosch pilnvarotu remonta darbnīcu. Lieciet šim centram nomainīt attiecīgo daļu.
	Elektronika ir bojāta.	– Sazinieties ar Bosch pilnvarotu remonta darbnīcu.
	Iespējams bojāta kāda no šīm daļām: – Palaidējs (6) ; – triecienstienis – Motors vai dzensiksnas – elektronika	– Sazinieties ar Bosch pilnvarotu remonta darbnīcu. Lieciet šim centram nomainīt attiecīgo daļu.
	Iedzišanas mehānismā ir uzkrājušies svešķermeņi.	– Sazinieties ar Bosch pilnvarotu remonta darbnīcu. Lieciet šim centram nomainīt attiecīgo daļu.
	Stobrā (1) vai magazīnā (18) ir uzkrājušies svešķermeņi.	– Izīrtiet stobru (1) vai magazīnu (18) .
	Iedzišanas kanālā ir iesprūdusi nagla.	– Likvidējiet nosprostoju. (skatīt „Nosprostoju likvidēšana (skatiet D1–D3 att.)”, Lappuse 13)
	Magazīnas bidnis (11) ir iestrēdzis vai bojāts.	– Ja nepieciešams, notīriet magazīnas bidni (11) , un pārliecinieties, ka magazīna (18) nav netīra. – Sazinieties ar Bosch pilnvarotu remonta darbnīcu. Lieciet šim centram nomainīt attiecīgo daļu.
	Magazīnas bidņa atsperē ir pārāk vāja vai bojāta.	– Sazinieties ar Bosch pilnvarotu remonta darbnīcu. Lieciet šim centram nomainīt attiecīgo daļu.
	Izmantots neatbilstīgs stiprinājuma elements.	– Izmantojiet tikai oriģinālos piederumus. Driķst izmantot tikai tādas stiprinājuma elementus (naglas, skavas un citus), kas norādīti tabulā “Tehniskie dati”.
Naglas tiek iedzītas pārāk dziļi.	Magazīna (18) ir tukša.	– Atkal uzpildiet magazīnu. (skatīt „Magazīnas uzpildīšana (skatiet attēlus A1–A2)”, Lappuse 11)
	Palaidējs (6) un aktivizēšanas drošības elements (15) tika nospiesti vienlaicīgi.	– Atkārtoti veiciet iedzišanas darbību un to darot, ievērojiet pareizo nospiešanas secību.
	Iestatīts pārāk liels iedzišanas dziļums.	– Iestatiet iedzišanas dziļumu nepieciešamajā dziļumā. (skatīt

Kļūme	Cēlonis	Kļūmju novēršana
		„Iedzišanas dziļuma iestatīšana (skatīt attēlu C)“, Lappuse 12)
	Buferis ir nolietots.	– Sazinieties ar Bosch pilnvarotu remonta darbnīcu. Lieciet šim centram nomainīt attiecīgo daļu.
Naglas tiek iedzītas pārāk sekli.	Akumulators ir izlādējies vai arī ir bojāts.	– Pilnībā uzlādējiet akumulatoru vai nomainiet to.
	Stiprinājuma elementi ir pārāk gari.	– Izmantojiet tikai oriģinālos piederumus. Drikt izmantot tikai tāds stiprinājuma elementus (naglas, skavas un citus), kas norādīti tabulā „Tehniskie dati”.
	Iestatīts neatbilstošs iedzišanas dziļums.	– Iestatiet iedzišanas dziļumu nepieciešamajā dziļumā. (skatīt „Iedzišanas dziļuma iestatīšana (skatīt attēlu C)“, Lappuse 12)
	Uz apstrādājamo priekšmetu izdarītais spiediens ir pārāk mazs.	– Piespiediet elektroinstrumentu ciešāk pret apstrādājamo priekšmetu.
	Triecienstienis ir bojāts.	– Sazinieties ar Bosch pilnvarotu remonta darbnīcu. Lieciet šim centram nomainīt attiecīgo daļu.
Elektroinstruments pārlec naglai.	Izmantots neatbilstīgs stiprinājuma elements.	– Izmantojiet tikai oriģinālos piederumus. Drikt izmantot tikai tāds stiprinājuma elementus (naglas, skavas un citus), kas norādīti tabulā „Tehniskie dati”.
	Magazīnas bidņa atspere ir pārāk vāja vai bojāta.	– Sazinieties ar Bosch pilnvarotu remonta darbnīcu. Lieciet šim centram nomainīt attiecīgo daļu.
	Triecienstienis ir bojāts.	– Sazinieties ar Bosch pilnvarotu remonta darbnīcu. Lieciet šim centram nomainīt attiecīgo daļu.
Naglas bieži iesprūst iedzišanas kanālā.	Izmantots neatbilstīgs stiprinājuma elements.	– Izmantojiet tikai oriģinālos piederumus. Drikt izmantot tikai tāds stiprinājuma elementus (naglas, skavas un citus), kas norādīti tabulā „Tehniskie dati”.
		– Sazinieties ar Bosch pilnvarotu remonta darbnīcu.
	Naglas ir novecojušas, līmviela starp naglām vairs nespēj nodrošināt saķeri.	– Izmantojiet jaunu naglu joslu
Iedzītās naglas ir saliekotas.	Triecienstienis ir bojāts.	– Sazinieties ar Bosch pilnvarotu remonta darbnīcu. Lieciet šim centram nomainīt attiecīgo daļu.
	Naglu pistole tiek izmantota neatļautā materiālā (piemēram, betons, akmens).	– Izmantojiet naglu pistoli tikai ar atļautu materiālu. (skatīt „Paredzētais lietojums“, Lappuse 9)

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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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