



Professional HEAVY DUTY

GTH 18V-14

Robert Bosch Power Tools GmbH
70538 Stuttgart
GERMANY

www.bosch-pt.com

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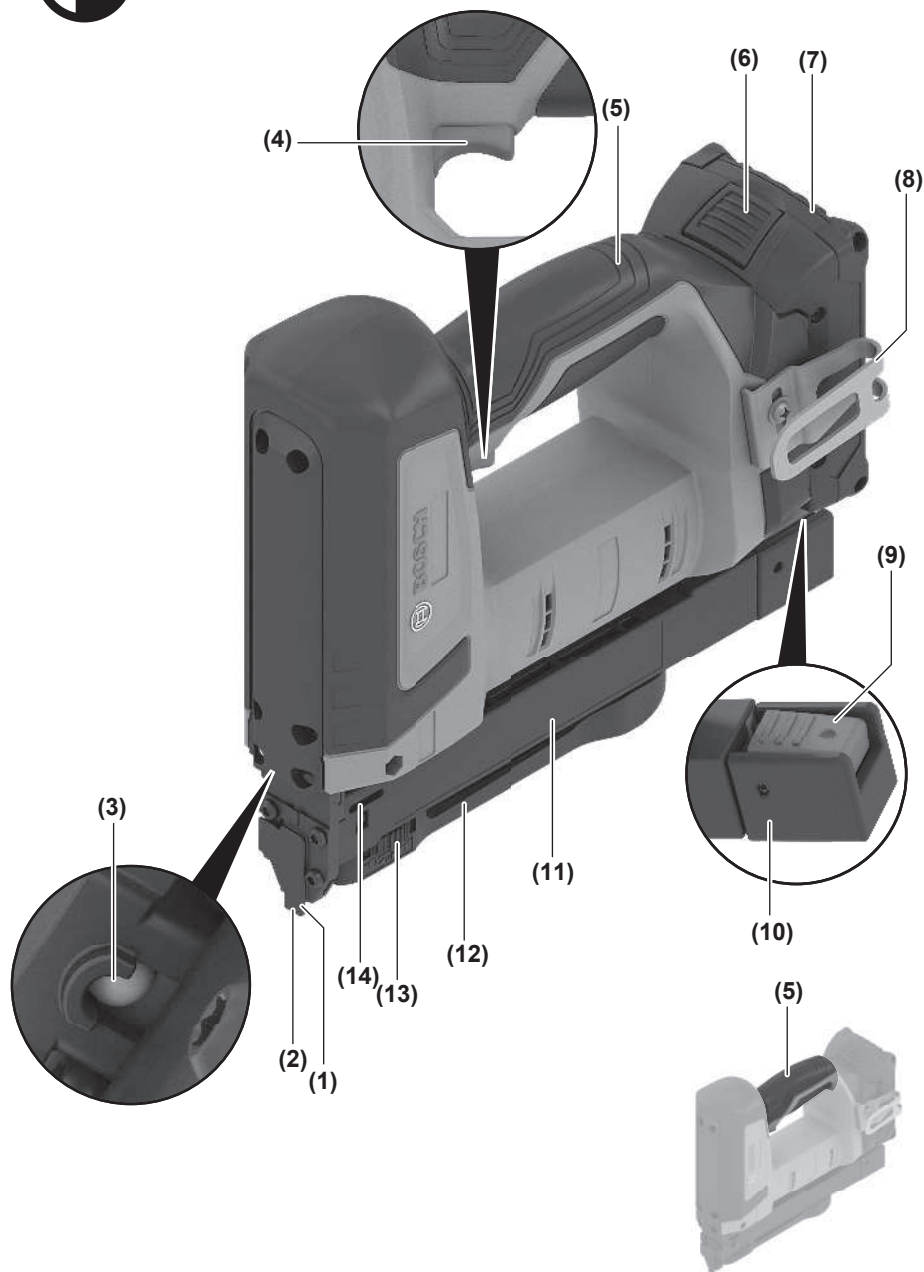


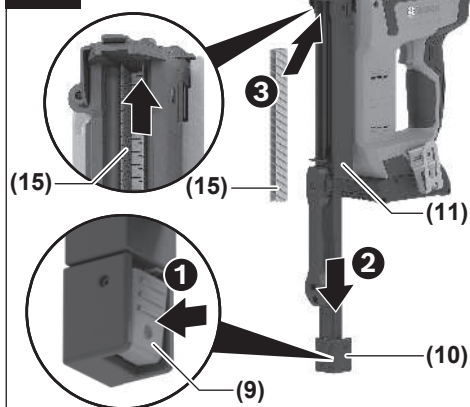
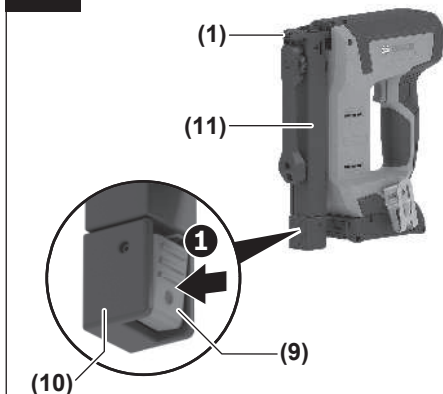
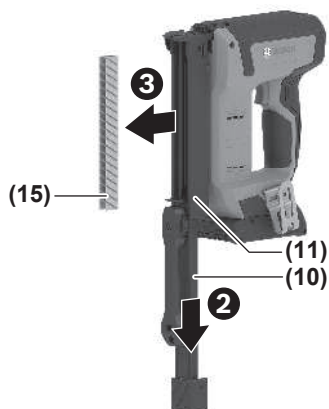
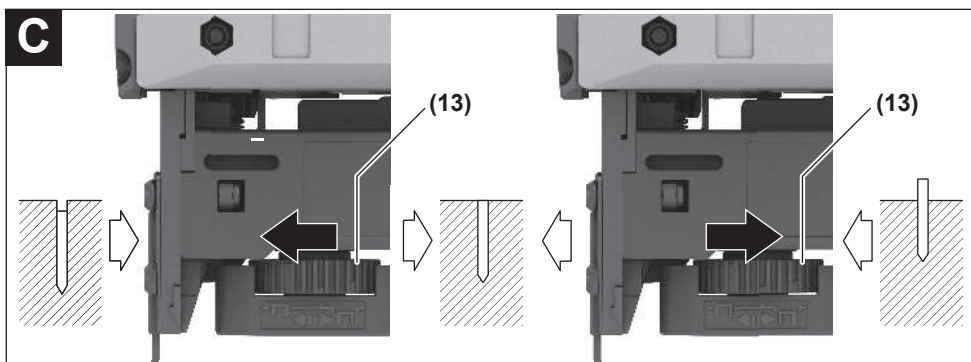
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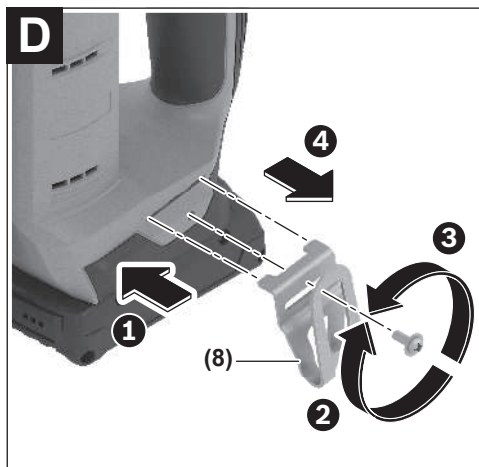


Latviešu Lappuse 6





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



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 tādus 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 noturvismas sausas, tīras un brīvas no eļļas un smērvielām.** Slideni rokturi un noturvismas 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 nelieliem 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 neparedzētas 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 veiktu kvalificēts personāls, nomainīti izmantoto vienīgi identisks 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 skavošanas ierīcēm

- ▶ **Vienmēr pieņemiet, ka skavotājs satur stiprinājuma elementus.** Neuzmanīgi rīkojoties ar skavotāju, no tā var tikt pēkšņi izmesti stiprinājumi, kas var radīt personām ievainojumus.
- ▶ **Atvienojiet skavotāju no elektrobarošanas avota, kad uzpildāt un izņemat skavas, veicat pielāgojumus vai maināt piederumus.** Skavotājs var tikt nejauši aktivizēts, ja tas ir pieslēgts elektrobarošanas avotam, kas var izraisīt personu ievainojumus.
- ▶ **Esiet uzmanīgi, rīkojoties ar skavām, it īpaši, tās ielādējot vai izņemot no instrumenta.** Skavām ir asi gali, kas var radīt personām ievainojumus.
- ▶ **Nevērsiet instrumentu pret sevi vai pret citu tuvumā esošu cilvēku.** Negaidītas palaīšanas gadījumā tiks izmesta skava, kas var radīt personas ievainojumus.
- ▶ **Turiet pirkstus prom no sprūda, kad neizmantojat skavotāju un pārvietojoties no vienas darba pozīcijas uz citu.** Negaidīta iedarbināšana var izšaut stiprinājuma elementu, kas var izraisīt traumas.
- ▶ **Veicot darbības, kuru laikā stipriņošais elements var skart slēptus vadus, turiet skavotāju aiz izolētajām noturvismām.** Stipriņošajam elementam skarot spriegumnesošus vadus, spriegums var nonākt arī uz skavotāja atklātajām metāla daļām, kā rezultātā lietotājs var saņemt elektrisko triecienu.
- ▶ **Darbības laikā cieši turiet skavotāju.** Nekontrolēta skavotāja atsitiens rezultātā var notikt nejauša instrumenta aktivizēšana, kas var radīt personas ievainojumus.
- ▶ **Turiet visas ķermeņa daļas, piem., rokas un kājas u.c. projām no skavotāja trieciena virziena.** Skava var izdurties cauri apstrādājamajam priekšmetam, kā arī jebkuram citam priekšmetam aiz tā, kas var radīt personas ievainojumus.
- ▶ **Izmantojot skavotāju, turiet visas ķermeņa daļas, tādās kā rokas un kājas utt. projām no vietas, kurā skavas tiek iedzītas apstrādājamajā priekšmetā.** Skava var novirzīties un izkļūt no apstrādājamā priekšmeta, kas var radīt personas ievainojumus.
- ▶ **Nepalaidiet skavotāju, pirms tas nav cieši piespiests stiprināmajam priekšmetam.** Ja skavotājs nesaskaras ar apstrādājamo priekšmetu, stiprinājuma elements var

novirzīties no mērķa vietas, kas var izraisīt ievainojumus personām.

► **Nelietojiet šo skavotāju 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 skavotājā, atvienojiet to no elektrobarošanas avota.** Izņemot iestrēgušu stiprinājumu, skavotājs var tikt nejaūši aktivizēts, ja tas ir pieslēgts elektrobarošanas avotam, kas var izraisīt personu ievainojumus.

► **Izņemot iestrēgušo stiprinājuma elementu, ievērojiet piesardzību.** Mehānisms var būt nosprīgots, 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 griezties 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

Paredzētais lietojums

Elektroinstrumentis ir paredzēts skavu dzišanai kokā. Driķst izmantot tikai tādos stiprinājuma elementus (naglas, skavas un citus), kas norādīti tabulā "Tehniskie dati".

Norāde: elektroinstrumentis nav paredzēts skavu iedzišanai metālā vai betonā.

Attēlotās sastāvdaļas

Attēloto komponentu numerācija atbilst karstā elektroinstrumenta attēlojumam grafiskajā lapā.

- (1) Aktivizēšanas drošības elements
- (2) Stobrs
- (3) Darba gaismā
- (4) Palaidējs
- (5) Rokturis (ar izolētu noturvirsmu)
- (6) Akumulatora atbloķēšanas taustiņš
- (7) Akumulators
- (8) Jostas āķi
- (9) Magazīnas atvēršanas slēdzis
- (10) Magazīnas bidnis
- (11) Magazīna
- (12) Dziļuma ierobežotājs
- (13) Dziļuma ierobežotāja regulēšanas pirkstrats
- (14) Uzpildes indikatora lodziņš
- (15) Skavu josla^{a)}

a) Šie piederumi neietilpst standarta piegādes komplektā.

Tehniskie dati

Akumulatora naglotājs	GTH 18V-14	
Izstrādājuma numurs	3 601 D82 8..	
Nominālais spriegums	V=	18
Aktivizācijas sistēma		
– Atsevišķā aktivizācija ar drošības secību		●
– Skares aktivizēšana		●
Stiprinājuma elements		

Akumulatora naglotājs		GTH 18V-14
– Modelis		Plakano stieplu skavas Bosch Typ 57
– Muguras platums	mm	10,6
– Garums	mm	6–14
– Biezums	mm	1,25
– Leņķis		0°
Maks. magazīnas ietilpība		100
Izmērs (bez akumulatora)		
– Augstums	mm	223
– Platums	mm	81
– Garums ar kontakteleментu	mm	247
Svars ^{A)}	kg	1,8
Ieteicamā apkārtējās vides temperatūra uzlādes laikā	°C	0 ... +35
Pieļaujamā apkārtējā gaisa temperatūra darbības laikā ^{B)} un glabāšanas laikā	°C	–20 ... +50
Saderīgie akumulatori		GBA18V... GBA 18V... ProCORE18V... EXPERT18V... EXBA18V... CORE18V...
Ieteicamie akumulatori maksimālai jaudai		GBA 18V... ≥ 2,0 Ah
Ieteicamās uzlādes ierīces		GAL18... GAL 18... GAL 36... GAL12V/18... GAL 12V/18... GAX 18... EXAL18...

A) Bez akumulatora (akumulatora svaru atradīsiet timeklja 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 un vibrāciju

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

Elektroinstrumenta trokšņa līmeņa A izsvartotās tipiskās vērtības: skaņas spiediena līmenis **87 dB(A)**, akustiskās jaudas līmenis **97 dB(A)**. Mērījuma nenoteiktība K = **3 dB**.

Lietojiet līdzekļus dzirdes orgānu aizsardzībai!

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

$a_h = 1,3 \text{ m/s}^2$ ($K = 1,5 \text{ m/s}^2$), $p_f = 1409 \text{ m/s}^2$ ($K = 63 \text{ m/s}^2$)

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 elektroinstrumenti tiek lietoti 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 laikā posmam.

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

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

Akumulators

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 elektroinstrumentā 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 indikatora zaļās LED diodes parāda akumulatora uzlādes pakāpi. Vadoties no drošības apsvērumiem, uzlādes pakāpi 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 zaļās LED diodes	60–100%
Pastāvīgi deg 2 zaļās 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 zaļās LED diodes	80–100%
Pastāvīgi deg 4 zaļās LED diodes	60–80%
Pastāvīgi deg 3 zaļās LED diodes	40–60%
Pastāvīgi deg 2 zaļās LED diodes	20–40%
Pastāvīgi deg 1 zaļa LED diode	5–20%
Mirgo 1 zaļa LED diode	0–5%

Akumulatora bojājumu riska atpazīšana

EXPERT18V... | EXBA18V...

Akumulatora LED indikatori līdztekus akumulatora uzlādes stāvoklim var uzrādīt arī akumulatora bojājuma risku.

Lai aktivizētu šo funkciju, nospiediet uzlādes pakāpes indikatora taustiņu  un turiet to nospiestu 3 sekundes. Par veikto analīzi signalizē akumulatora uzlādes pakāpes indikatora skrejošās gaismas. Rezultāts tiek attēlots akumulatora uzlādes pakāpes indikatorā.



1 LED: akumulatoram ir augsts bojājuma risks.

Veiktspēja un izpildlaiks jau var būt samazināti. Ieteicams nomainīt akumulatoru.



5 LED: akumulatora stāvoklis ir labs; pastāv nīegs bojājumu risks.

Lūdzam ņemt vērā: akumulatora bojājumu riska novērtēšanas procesam ir divas pakāpes, un tas sniedz vienkāršotu stāvokļa novērtējumu. Akumulators stāvoklis tiek novērtēts vai nu kā labs, vai arī norāda paaugstinātu bojājumu risku. Akumulatora uzlādes stāvoklis netiek attēlots ar procentuālu vērtību.

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 laikam 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 atbrīvošanos 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 apkrīst.

Magazīnas uzpildīšana (skatiet attēlu 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. Magazīnas uzpildīšanas laikā turiet elektroinstrumentu tā, lai stobrs **(2)** nebūtu vērsts pret jūsu ķermeni vai citām personām.

- Lai atvērtu magazīnu, nospiediet slēdzi **(9)**. Magazīnas bīdnis **(10)** izvirsīs.
- Ievietojiet vienu skavu joslu ar augšup pavērstiem skavu galiem magazīnas augšējā daļā **(11)**.

Norāde: elektroniska uzraudzība atpazīst, vai magazīnā atrodas skavas. Ja aktivizēšanas drošības elements tiek

nospiests ar tukšu magazīnu, iedzišanas darbība netiek uzsākta. Līdz ar to tiek novērsti tukšas dzišanas sitieni.

- Aiz magazīnas sākuma, atvelciet magazīnas bidni **(10)**, līdz magazīnas bidnis nofikšējas.

Norāde: magazīnas bidnim jābūt atbīdāmam bez liela spēka (tikai ar pirkstu spēku). Iestrēdzis magazīnas bidnis rada šādas sekas: skavas netiek izsistas, skavas paliek karājoties iedzišanas kanālā (skatīt iestrēgumu) vai arī skavas tiek izšautas nepareizā leņķī.

Darbība

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

Aktivizācijas sistēma

Atsevišķā aktivizācija ar drošības secību

Šajā aktivizācijas sistēmā aktivizēšanas drošības elements **(1)** vispirms ir jānovieto cieši pie apstrādājamā priekšmeta. Stiprinājuma elements tiks izšauts tikai pēc palaidēja **(4)** nospiešanas.

Pēc tam nākamās stiprinājuma elementus iespējams iedzīt tikai tad, kad palaidējs **(4)** atkal atrodas izejas pozīcijā un aktivizēšanas drošības elements **(1)** vēl ir pilnībā nospiests.

Saskares aktivizēšana

Šajā aktivizēšanas sistēmā ir jānospiež palaidējs **(4)** un tas jātur šādā pozīcijā. Turklāt aktivizēšanas drošības elementam **(1)** jābūt novietotam cieši pie apstrādājamā priekšmeta, lai izšautu stiprinājuma elementu. Kamēr palaidējs **(4)** ir nospiests, iespējams iedzīt citus stiprinājuma elementus, novietojot instrumentu citā vietā.

Ekspluatācijas sākšana

Ieslēgšana/izslēgšana

Pēc akumulatora **(7)** ievietošanas elektroinstrumenti ir gatavi darbam.

Skavotājs – atsevišķā aktivizēšana

- Stingri uzlieciet stobru **(2)** uz apstrādājamā priekšmeta tā, lai aktivizēšanas drošības elements **(1)** būtu pilnībā iespiests.
Ieslēdzas darba gaiss **(3)**.
- Pēc tam isi nospiediet palaidēju **(4)** un atkal atlaidiet to. Tiek izšauta viena skava.
- Lai iedzītu nākamo stiprinājuma elementu, pilnībā noņemiet elektroinstrumentu no apstrādājamā priekšmeta un stingri novietojiet to nākamajā izvēlētajā vietā.
Alternatīvi var turēt nospiestu aktivizēšanas drošības elementu **(1)** un nospiegt palaidēju **(4)**, lai izšautu nākamo naglu.

Skavotājs – saskares aktivizēšana

- Turiet palaidēju **(4)** nospiestu.
Ieslēdzas darba gaiss **(3)**.

- Stingri uzlieciet stobru **(2)** uz apstrādājamā priekšmeta tā, lai aktivizēšanas drošības elements **(1)** būtu pilnībā iespiests.
Tiek izšauta viena skava.
- Lai iedzītu nākamo stiprinājuma elementu, turpiniet turēt palaidēju **(4)** nospiestu un noņemiet elektroinstrumentu pilnībā no apstrādājamā priekšmeta. Pēc tam stingri novietojiet to nākamajā izvēlētajā vietā.
Tiek izšauta nākama skava.

Norāde: vienmēr nogaidiet, līdz skavas ir pilnībā izšautas, pirms noceļat elektroinstrumentu no apstrādājamā priekšmeta.

Norādījumi par darbu

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

Pirms darbu uzsākšanas parliecinieties, 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 veikspējas pasliktināšanos vai bojājumus, piemēram, ko var radīt, piemēram:

- triecieni 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 skavas sienās, griestos vai grīdā, ja aiz tiem atrodas personas. Skava var iztriekties cauri apstrādājamajam priekšmetam un kādā savainot.
- Neizšaujiet skavas uz jau iešautām skavām. Tādējādi varat deformēt skavu, tās var iesprūst vai izraisīt nekontrolējamus elektroinstrumenta kustības.

Ja elektroinstrumenti tiek izmantoti aukstā vidē, pirmās skavas tiks iedzītas lēnāk par pārējām. Pēc tam, kad darba laikā elektroinstrumenti būs uzsilis, tas atkal darbosies normālā ātrumā.

Lai mazinātu triecienstieņa nolietošanos, nedarbiniet instrumentu tukšgaitā.

Ilgāku pārtraukumu gadījumā vai darba beigās izņemiet akumulatoru no elektroinstrumenta, un, ja iespējams, iztukšojiet magazīnu. Novietojiet elektroinstrumentu uz lidzenas virsmas, lai netiktu aktivizēts kontaktelements.

Magazīnas iztukšošana (skatiet B1–B2 att.)

- Lai atvērtu magazīnu, nospiediet slēdzi **(9)**. Magazīnas bidnis **(10)** izvirzās.
- Pagrieziet elektroinstrumentu tā, lai skavu josla **(15)** izslidētu magazīnā **(11)**.
- Lai aizvērtu magazīnu, uzmanīgi virziet magazīnas bidni **(10)** uz priekšu, līdz magazīnas **(11)** galam.

Iedzišanas dziļuma iestatīšana (skatiet C att.)

Skavu iedzišanas dziļumu var iestatīt ar pirkstratu **(13)**.

- Iztukšojiet magazīnu **(11)**.
- **Skavas tiek iedzītas pārāk dziļi:** lai samazinātu iedzišanas dziļumu, pagrieziet pirkstratu **(13)** virzienā .

- **Skavas netiek iedzītas pārāk dziļi:** lai palielinātu iedzišanas dziļumu, pagrieziet pirkstratu **(13)** virzienā .

Pārliecinieties, ka dziļuma ierobežotājs **(12)** ir pilnībā nofiksēts uz apstrādājamā priekšmeta.

- Atkal uzpildiet magazīnu.
- Pārbaudiet jauno iedzišanas dziļumu, veicot izmēģinājumus uz pārbaudes apstrādājamā priekšmeta. Nepieciešamības gadījumā atkārtojiet norādītās darbības.

Nosprostojumu likvidēšana

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

- Atļaidiet palaidēju **(4)**.
- Izņemiet akumulatoru **(7)**.

Apkopes un remonta darbu plāns

Iztīriet magazīnu **(11)**. Izņemiet koka skaidas, kas var būt sakrājušās magazīnā darba laikā. Regulāri notīriet elektroinstrumentu ar saspīsta gaisa strūklu.

Darbība	Pamatojums	Izpilde
Notīriet magazīnu (11) un magazīnas bidni (10) .	Novērš skavas iestrēgšanu.	– Katru dienu izpūstiet magazīnas/magazīnas bidņa mehānismu ar saspīestu gaisu.
Pārliecinieties, ka aktivizēšanas drošības elements (1) pareizi darbojas.	Veicina darba drošību un efektīvu elektroinstrumenta lietošanu.	– Katru dienu izpūstiet aktivizēšanas drošības elementa mehānismu ar saspīestu gaisu.

Traucējumu novēršana

Kļūme	Cēlonis	Kļūmju novēršana
Elektroinstruments nav gatavs darbam.	Akumulators ir izlādējies vai arī ir bojāts.	– Pilnībā uzlādējiet akumulatoru vai nomainiet to.
	Akumulators nav pareizi ievietots.	– Raugiet, lai akumulators būtu nofiksēts pie roktura.

- Lai atvērtu magazīnu, nospiediet slēdzi **(9)**.
- Pagrieziet elektroinstrumentu tā, lai skavu josla **(15)** izslidētu magazīnā **(11)**. Izņemiet iesprūdušās skavas. Ja nepieciešams, izmantojiet knaibles.
- Atkal uzpildiet magazīnu **(11)**.
- Aiz magazīnas gala, atvelciet magazīnas bidni **(10)**, līdz magazīnas bidnis nofiksējas.

Transportēšana un uzglabāšana

Lai transportētu elektroinstrumentu, izņemiet akumulatoru jo īpaši gadījumos, ja izmantojat kāpnes vai pārvietojaties neparastā pozā.

Pārsniet elektroinstrumentu uz darba vietu tikai aiz roktura **(5)**, nenospiežot palaidēju **(4)**.

Elektroinstrumentu vienmēr glabājiet 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 D)

Izmantojot jostas āķi **(8)**, elektroinstrumentu var iekarināt, piemēram, pie jostas. Tas ļauj izbrīvēt 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 nejauši nospiežat 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 skavas.	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 klientu apkalpošanas dienestu. Lieciet šim dienestam nomainīt attiecīgo daļu.
	Magazīna (11) ir tukša.	– Atkal uzpildiet magazīnu. (skatīt „Magazīna uzpildīšana (skatiet attēlu A1–A2)”, Lappuse 10)
	Aktivizēšanas drošības elements (1) ir saliekts.	– Sazinieties ar Bosch pilnvarotu klientu apkalpošanas dienestu. Lieciet šim dienestam nomainīt attiecīgo daļu.
	Elektronika ir bojāta.	– Sazinieties ar Bosch pilnvarotu klientu apkalpošanas dienestu.
	Iespējams bojāta kāda no šīm daļām: – Palaidējs (4) ; – Triecienstienis – Motors vai dzensiksna – Elektronika	– Sazinieties ar Bosch pilnvarotu klientu apkalpošanas dienestu. Lieciet šim dienestam nomainīt attiecīgo daļu.
	Iedzišanas mehānismā ir uzkrājušies svešķermeņi.	– Sazinieties ar Bosch pilnvarotu klientu apkalpošanas dienestu. Lieciet šim dienestam nomainīt attiecīgo daļu.
	Stobrā (2) vai magazīnā (11) ir uzkrājušies svešķermeņi.	– Iztīriet stobru (2) vai magazīnu (11) .
	Iedzišanas kanālā ir iesprūdis skava.	– Likvidējiet nosprotojumu. (skatīt „Nosprotojumu likvidēšana”, Lappuse 12)
	Magazīna bidnis (10) ir iestrēdzis vai bojāts.	– Ja nepieciešams, notīriet magazīna bidni (10) , un pārliecinieties, ka magazīna (11) nav netīra. – Sazinieties ar Bosch pilnvarotu klientu apkalpošanas dienestu. Lieciet šim dienestam nomainīt attiecīgo daļu.
	Magazīna bidņa atspere ir pārāk vāja vai bojāta.	– Sazinieties ar Bosch pilnvarotu klientu apkalpošanas dienestu. Lieciet šim dienestam nomainīt attiecīgo daļu.
	Izmantotās skavas nav atļauts izmantot.	– Izmantojiet tikai oriģinālos piederumus. Driķst izmantot tikai skavas, kas norādītas tabulā „Tehniskie dati”.
	Magazīna (11) ir tukša.	– Atkal uzpildiet magazīnu. (skatīt „Magazīna uzpildīšana (skatiet attēlu A1–A2)”, Lappuse 10)
Skavas tiek iedzītas pārāk dziļi.	Palaidējs (4) un aktivizēšanas drošības elements (1) tika nospiesti vienlaicīgi.	– Atkārtoti veiciet iedzišanas darbību un to darot, ievērojiet pareizo nospiešanas secību.
	Dziļuma ierobežotājs (12) ir iestatīts uz pārāk lielu iedzišanas dziļumu. Dziļuma ierobežotājs (12) nav pilnībā nofiksēts uz apstrādājamā priekšmeta.	– Iestatiet dziļuma ierobežotāju (12) nepieciešamajā dziļumā. (skatīt „Iedzišanas dziļuma iestatīšana (skatiet C att.)”, Lappuse 12)

Kļūme	Cēlonis	Kļūmju novēršana
		Pārliecinieties, ka dziļuma ierobežotājs (12) ir pilnībā nofiksēts uz apstrādājamā priekšmeta.
	Buferis ir nolietots.	Sazinieties ar Bosch pilnvarotu klientu apkalpošanas dienestu. Lieciet šim dienestam nomainīt attiecīgo daļu.
Skavas tiek iedzītas pārāk sekli.	Akumulators ir izlādējies vai arī ir bojāts.	Pilnībā uzlādējiet akumulatoru vai nomainiet to.
	Izmantotās skavas ir pārāk garas.	Izmantojiet tikai oriģinālos piederumus. Drikt izmantot tikai skavas, kas norādītas tabulā „Tehniskie dati”.
	Iestatīts neatbilstošs iedzišanas dziļums.	Iestatiet iedzišanas dziļumu nepieciešamajā dziļumā. (skatīt „Iedzišanas dziļuma iestatīšana (skatiet C att.)”, Lappuse 12)
	Uz apstrādājamo priekšmetu izdarītais spiediens ir pārāk mazs.	Piespiediet elektroinstrumentu ciešāk pret apstrādājamo priekšmetu.
	Triecienstienis ir bojāts.	Sazinieties ar Bosch pilnvarotu klientu apkalpošanas dienestu. Lieciet šim dienestam nomainīt attiecīgo daļu.
Elektroinstruments izlaiž skavas.	Izmantotās skavas nav atļauts izmantot.	Izmantojiet tikai oriģinālos piederumus. Drikt izmantot tikai skavas, kas norādītas tabulā „Tehniskie dati”.
	Magazīnas bīdņa atspere ir pārāk vāja vai bojāta.	Sazinieties ar Bosch pilnvarotu klientu apkalpošanas dienestu. Lieciet šim dienestam nomainīt attiecīgo daļu.
Skavas bieži iesprūst iedzišanas kanālā.	Izmantotās skavas nav atļauts izmantot.	Izmantojiet tikai oriģinālos piederumus. Drikt izmantot tikai skavas, kas norādītas tabulā „Tehniskie dati”.
		Sazinieties ar Bosch pilnvarotu klientu apkalpošanas dienestu.
	Skavas ir novecojušas, līmviela starp skavām vairs nenodrošina saķeri.	Izmantojiet jaunu skavu joslu
Iedzītās skavas ir saliekas.	Triecienstienis ir bojāts.	Sazinieties ar Bosch pilnvarotu klientu apkalpošanas dienestu. Lieciet šim dienestam nomainīt attiecīgo daļu.
	Elektroinstruments tiek izmantots neatļautā materiālā (piemēram, betons, akmens).	Lietojiet elektroinstrumentu vienīgi paredzētajiem materiāliem. (skatīt „Paredzētais lietojums”, Lappuse 8)

Klientu apkalpošanas dienests un konsultācijas par lietošanu

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Nolietotie elektroinstrumenti, akumulatori, piederumi un iesaiņojuma materiāli jāpakļauj otrreizējai pārstrādei apkārtējai videi nekaitīgā veidā.



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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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