



Professional HEAVY DUTY

GTH 18V-14

Robert Bosch Power Tools GmbH
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GERMANY

www.bosch-pt.com

1 609 92A B4G (2026.05) TAG / 27



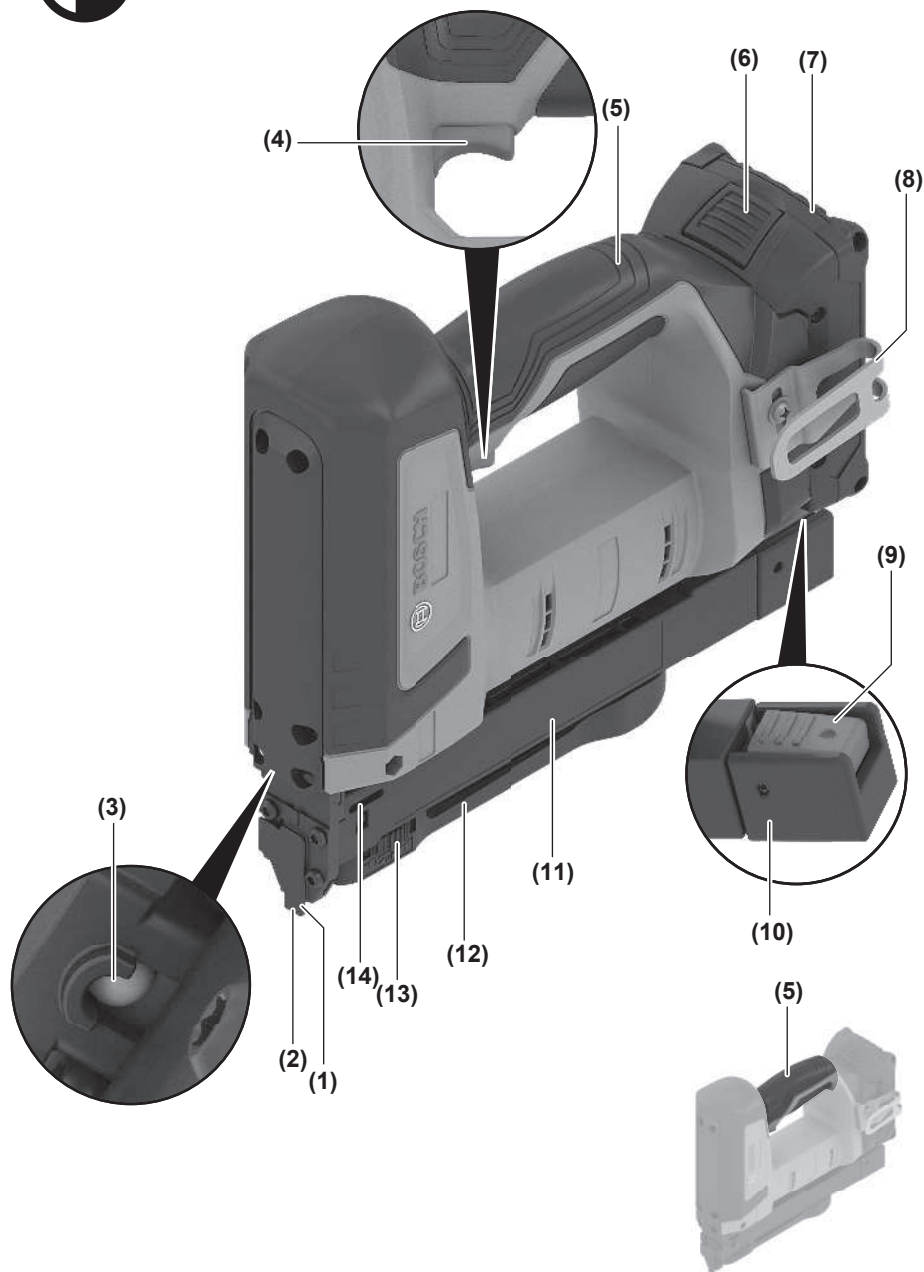
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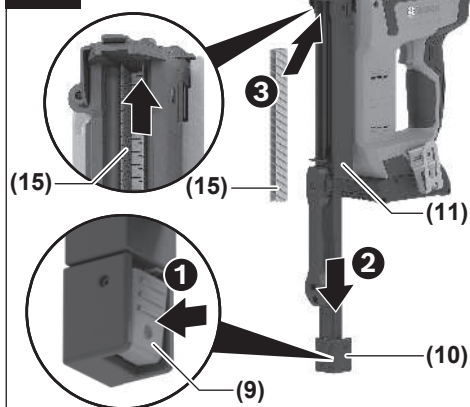
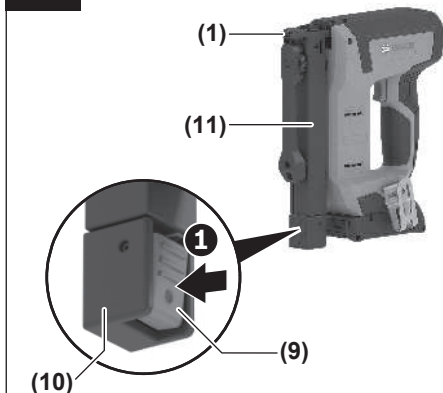
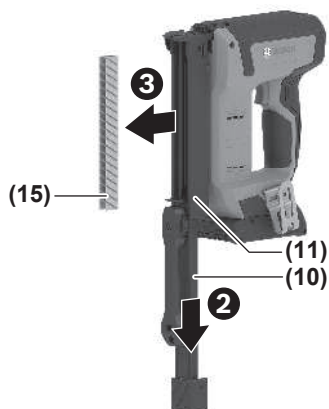
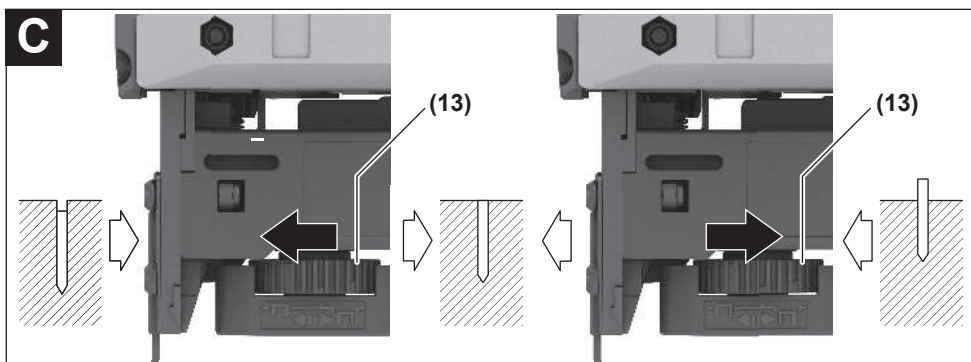


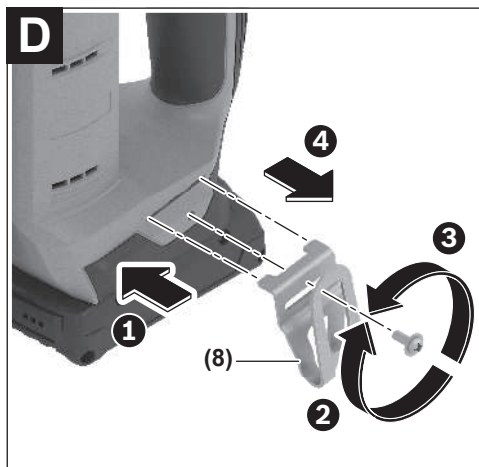
sk Pôvodný návod na použitie







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



Slovenčina

Bezpečnostné upozornenia

Všeobecné bezpečnostné upozornenia pre elektrické náradie

⚠ VÝSTRAHA Prečítajte si všetky bezpečnostné upozornenia, pokyny, ilustrácie

a špecifikácie dodané s týmto elektrickým náradím.

Nedodržanie všetkých uvedených pokynov môže mať za následok úraz elektrickým prúdom, požiar a/alebo ťažké poranenie.

Tieto výstražné upozornenia a bezpečnostné pokyny starostlivo uschovajte na budúce použitie.

Pojem „elektrické náradie“ používaný v nasledujúcom texte sa vzťahuje na elektrické náradie napájané zo siete (s prírodnou šnúrou) a na elektrické náradie napájané akumulátorovou batériou (bez prírodnej šnúry).

Bezpečnosť na pracovisku

- ▶ **Pracovisko vždy udržiavajte čisté a dobre osvetlené.** Neporiadok a neosvetlené priestory pracoviska môžu mať za následok pracovné úrazy.
- ▶ **Nepoužívajte elektrické náradie vo výbušnom prostredí, napr. tam, kde sa nachádzajú horľavé kvapaliny, plyny alebo horľavý prach.** Ručné elektrické náradie vytvára iskry, ktoré by mohli zapáliť prach alebo výpary.
- ▶ **Nedovoľte deťom a iným nepovolaným osobám, aby sa počas používania elektrického náradia zdržiavali v blízkosti pracoviska.** Pri rozptyľovaní môžete stratiť kontrolu nad náradím.

Bezpečnosť – elektrina

- ▶ **Nevystavujte elektrické náradie dažďu ani vlhkosti.** Vniknutie vody do ručného elektrického náradia zvyšuje riziko úrazu elektrickým prúdom.

Bezpečnosť osôb

- ▶ **Buďte ostražití, sústred'te sa na to, čo robíte, a s elektrickým náradím pracujte uvažlivo. Nepracujte s elektrickým náradím, ak ste unavení alebo ak ste pod vplyvom drog, alkoholu alebo liekov.** Krátka nepozornosť pri používaní elektrického náradia môže mať za následok vážne poranenia.
- ▶ **Používajte osobné ochranné prostriedky. Vždy používajte ochranné okuliare.** Používanie osobných ochranných prostriedkov, ako je ochranná dýchacia maska, bezpečnostná pracovná obuv, ochranná prilba alebo chrániče sluchu, podľa druhu elektrického náradia a spôsobu jeho použitia znižuje riziko zranenia.
- ▶ **Vyhýbajte sa neúmyselnému uvedeniu elektrického náradia do činnosti. Pred zasunutím zástrčky do zásuvky a/alebo pred pripojením akumulátora, pred chytaním alebo prenášaním elektrického náradia sa vždy presvedčte, či je elektrické náradie vypnuté.** Prenášanie elektrického náradia so zapnutým vypínačom alebo

pripojenie zapnutého elektrického náradia k elektrickej sieti môže mať za následok nehodu.

- ▶ **Kým zapnete elektrické náradie, odstráňte z neho nastavovacie pomôcky alebo kľúče na skrutky.** Nastavovací nástroj alebo kľúč, ktorý sa nachádza v rotujúcej časti elektrického náradia, môže spôsobiť vážne poranenia osôb.
- ▶ **Vyhýbajte sa abnormálnym polohám tela. Dbajte na pevný postoj a neustále udržiavajte rovnováhu.** Takto budete môcť lepšie kontrolovať ručné elektrické náradie v neočakávaných situáciách.
- ▶ **Pri práci noste vhodný pracovný odev. Nenoste voľné odevy ani šperky. Dbajte, aby sa vlasy, odev a rukavice nedostali do blízkosti pohyblivých súčastí.** Voľný odev, dlhé vlasy alebo šperky sa môžu zachytiť do rotujúcich častí elektrického náradia.
- ▶ **Ak sa dá na ručné elektrické náradie namontovať odsávacie zariadenie a zariadenie na zachytávanie prachu, presvedčte sa, či sú dobre pripojené a správne používané.** Používanie odsávacieho zariadenia a zariadenia na zachytávanie prachu znižuje riziko ohrozenia zdravia prachom.
- ▶ **Dbajte, aby ste pri rutinnom používaní náradia nekonalí v rozpore s princípmi jeho bezpečného používania.** Nepozorná práca môže viesť v okamihu k ťažkému zraneniu.

Starostlivé používanie elektrického náradia

- ▶ **Nikdy nepreťažujte elektrické náradie. Používajte elektrické náradie vhodné na daný druh práce.** S vhodným ručným elektrickým náradím budete pracovať lepšie a bezpečnejšie v uvedenom rozsahu výkonu náradia.
- ▶ **Nepoužívajte elektrické náradie, ktoré má pokazený vypínač.** Náradie, ktoré sa už nedá zapnúť alebo vypnúť, je nebezpečné a treba ho zveriť do opravy odborníkovi.
- ▶ **Než začnete náradie nastavovať alebo prestavovať, vymieňať príslušenstvo alebo kým ho odložíte, vždy vytiahnite zástrčku sieťovej šnúry zo zásuvky a/alebo odoberte akumulátor, ak je to možné.** Toto preventívne opatrenie zabraňuje neúmyselnému spusteniu elektrického náradia.
- ▶ **Nepoužívané elektrické náradie uschovávajte tak, aby bolo mimo dosahu detí. Nedovoľte používať toto náradie osobám, ktoré s ním nie sú dôverne oboznámené alebo ktoré si neprečítali tieto pokyny.** Elektrické náradie je nebezpečné, ak ho používajú nesprávne osoby.
- ▶ **Elektrické náradie a príslušenstvo starostlivo ošetrte.** Kontrolujte, či pohyblivé súčastky bezchybne fungujú alebo či nie sú blokové, zlomené alebo poškodené, čo by mohlo negatívne ovplyvniť správne fungovanie elektrického náradia. Pred použitím náradia dajte poškodené súčastky vymeniť. Veľa nehôd je spôsobených nedostatočnou údržbou elektrického náradia.
- ▶ **Rezné nástroje udržiavajte ostré a čisté.** Starostlivo ošetrované rezné nástroje s ostrými reznými hranami

majú menšiu tendenciu zablokovať sa a ľahšie sa dajú viesť.

- **Používajte elektrické náradie, príslušenstvo, nastavovacie nástroje a pod. podľa týchto výstražných upozornení a bezpečnostných pokynov. Pri práci zohľadnite konkrétne pracovné podmienky a činnosť, ktorú budete vykonávať.** Používanie elektrického náradia na iný než predpokladaný účel môže viesť k nebezpečným situáciám.
- **Rukováti a úchopové povrchy udržiavajte suché, čisté a bez oleja alebo mazacieho tuku.** Šmykľavé rukováti a úchopové povrchy neumožňujú bezpečnú manipuláciu a ovládanie náradia v neočakávaných situáciách.

Starostlivé používanie akumulátorového náradia

- **Akumulátory nabíjajte len v nabíjačkách, ktoré odporúča výrobca akumulátora.** Ak sa používa nabíjačka určená na nabíjanie iného typu akumulátorov, hrozí nebezpečenstvo požiaru.
- **Do elektrického náradia používajte len špecificky určené akumulátory.** Používanie iných akumulátorov môže mať za následok poranenie a nebezpečenstvo požiaru.
- **Nepoužívané akumulátory uschovávajte tak, aby sa nemohli dostať do styku s kancelárskymi sponkami, mincami, kľúčmi, klincami, skrutkami alebo s inými drobnými kovovými predmetmi, ktoré by mohli spôsobiť skratovanie kontaktov.** Skrat medzi kontaktmi akumulátora môže mať za následok popálenie alebo vznik požiaru.
- **Z akumulátora môže pri nesprávnom používaní vytekať kvapalina. Vyhýbajte sa kontaktu s touto kvapalinou. Po náhodnom kontakte opláchnite postihnuté miesto vodou. Ak sa dostane kvapalina z akumulátora do očí, vypláchnite ich a vyhľadajte lekára.** Unikajúca kvapalina z akumulátora môže spôsobiť podráždenie pokožky alebo popáleniny.
- **Nepoužívajte poškodené alebo upravené akumulátory alebo náradie.** Poškodené alebo upravené akumulátory môžu neočakávane reagovať a spôsobiť požiar, výbuch alebo zranenie.
- **Nevystavujte akumulátory alebo náradie ohňu ani vysokým teplotám.** Vystavenie ohňu alebo teploty nad 130 °C môže spôsobiť výbuch.
- **Dodržujte pokyny týkajúce sa nabíjania a akumulátory alebo náradie nenabíjajte mimo teplotného rozsahu uvedeného v pokynoch.** Nesprávne nabíjanie alebo teploty mimo špecifikovaného rozsahu môžu poškodiť akumulátor a zvýšiť riziko požiaru.

Servis

- **Elektrické náradie dávajte opravovať len kvalifikovanému personálu, ktorý používa originálne náhradné súčiastky.** Tým sa zaistí zachovanie bezpečnosti náradia.
- **Nikdy neopravujte poškodené akumulátory.** Akumulátory môže opravovať len výrobca alebo autorizovaný servis.

Bezpečnostné upozornenia pre spinkovačky

- **Vždy predpokladajte, že sponkovačka obsahuje spojovací materiál.** Neopatrná manipulácia so sponkovačkou môže spôsobiť nečakané vystrelenie spojovacieho materiálu a zranenie osôb.
- **Pri vkladaní a vyberaní spojovacieho materiálu, nastavovaní náradia a výmene príslušenstva odpojte sponkovačku od elektrického napájania.** Sponkovačka sa môže náhodne aktivovať, ak je pripojená k zdroju napájania, čo môže spôsobiť zranenie osôb.
- **Pri manipulácii so spojovacím materiálom postupujte opatrne, a to najmä pri vkladaní a vyberaní spojovacieho materiálu.** Spojovací materiál má ostré hroty, ktoré môžu spôsobiť zranenie osôb.
- **Nesmerujte náradie na seba alebo iné osoby.** Náhodné stlačenie vystrelí spojovací materiál, ktorý môže spôsobiť zranenie osôb.
- **Keď sponkovačku nepoužívate a aj pri prechádzaní z jednej prevádzkovej polohy do inej, držte prsty v dostatočnej vzdialenosti od spúšte.** Neočakávané spustenie spôsobí vystrelenie upevňovacieho prvku, čo môže viesť k zraneniu osôb.
- **Ak vykonávate prácu, kde sa môže spojovací materiál dostať do kontaktu so skrytou elektroinštaláciou, držte sponkovačku za izolované uchopovacie plochy.** Spojovací materiál pri kontakte s fázovým vodičom môže prepojiť odizolované kovové časti náradia s fázovým vodičom a používateľ môže byť zasiahnutý elektrickým prúdom.
- **Pri používaní sponkovačku držte pevne uchopenú.** Nekontrolovaná reakcia sponkovačky môže vyvolať nečakanú aktiváciu, ktorá môže spôsobiť zranenie osôb.
- **Udržiavajte všetky časti tela, napr. ruky, nohy atď., mimo smeru vystrel'ovania zo sponkovačky.** Spojovací materiál môže vniknúť do obrobku, ako aj do predmetov za ním, čo môže spôsobiť zranenie osôb.
- **Pri používaní sponkovačky držte všetky časti tela, napr. ruky, nohy atď., mimo miesta, kde spojovací materiál vniká do obrobku.** Spojovací materiál by sa mohol vychýliť a vyjsť z obrobku, čo môže spôsobiť zranenie osôb.
- **Nespúšťajte sponkovačku, kým nie je pevne priťlačená na obrobku.** Ak sponkovačka nie je v dostatočnom kontakte s obrobkom, spojovací materiál sa môže odkloniť od obrobku, čo môže spôsobiť zranenie osôb.
- **Nepoužívajte túto sponkovačku na upevňovanie elektrických káblov.** Nie je určená na inštalácie elektrických káblov, pretože môže poškodiť ich izoláciu, a tým spôsobiť úraz elektrickým prúdom alebo nebezpečenstvo požiaru.
- **Ak dôjde k zablokovaniu spojovacieho materiálu v sponkovačke, odpojte ju od napájania.** Počas vyberania spojovacieho materiálu sa sponkovačka môže náhodne aktivovať, ak je pripojená k zdroju energie, čo môže spôsobiť zranenie osôb.

- ▶ **Pri odstraňovaní zablokovaného spojovacieho materiálu postupujte opatrne.** Mechanizmus môže byť pod tlakom a spojovací materiál sa môže silou uvoľniť, čo môže spôsobiť zranenie osôb.
- ▶ **Používajte vhodné prístroje na vyhľadávanie skrytých elektrickým vedení a potrubí alebo sa obráťte na miestne energetické podniky.** Kontakt s elektrickým vodičom pod napätím môže spôsobiť požiar alebo mať za následok zásah elektrickým prúdom. Poškodenie plynového potrubia môže mať za následok explóziu. Preniknutie do vodovodného potrubia spôsobí vecnú škodu.
- ▶ **Po poškodení akumulátora alebo v prípade neodborného používania môžu z akumulátora vystupovať škodlivé výpary. Akumulátor môže horieť alebo vybuchnúť.** Zabezpečte prívod čerstvého vzduchu a v prípade ťažkostí vyhľadajte lekára. Tieto výpary môžu podráždiť dýchacie cesty.
- ▶ **Akumulátor neupravujte ani ho neotvárajte.** Hrozí nebezpečenstvo skratu.
- ▶ **Špicatými predmetmi, ako napr. klinec alebo skrutkovače alebo pôsobením vonkajšej sily môže dôjsť k poškodeniu akumulátora.** Vo vnútri môže dôjsť ku skratu a akumulátor môže začať horieť, môže z neho unikať dym, môže vybuchnúť alebo sa prehriať.
- ▶ **Akumulátor používajte iba vo výrobkoch výrobcu.** Len tak bude akumulátor chránený pred nebezpečným preťažením.



Chráňte akumulátor pred teplom, napr. aj pred trvalým slnečným žiarením, ohňom, nečistotou, vodou a vlhkosťou. Hrozí nebezpečenstvo výbuchu a skratu.

tu.

Symboly a ich význam

Nasledujúce symboly môžu byť pre používanie vášho elektrického náradia dôležité. Zapamätajte si tieto symboly a ich významy. Správna interpretácia týchto symbolov vám bude pomáhať lepšie a bezpečnejšie používať toto elektrické náradie.

Symboly a ich význam



Používajte chrániče sluchu. Pôsobenie hluku môže mať za následok stratu sluchu.



Používajte ochranné okuliare.

Opis výrobku a výkonu

Používanie v súlade s určením

Elektrické náradie je určené na zatĺkanie spŕn do dreva. Používať sa smú iba prvky na zatĺkanie (klinec, spony atď.), ktoré sú špecifikované v tabuľke „Technické údaje“.

Upozornenie: Elektrické náradie nie je určené na zatĺkanie spŕn do kovu alebo betónu.

Vyobrazené komponenty

Číslovanie zobrazených komponentov sa vzťahuje na znázornenie elektrického náradia na grafickej strane.

- (1) Poistka proti spusteniu
 - (2) Ústie
 - (3) Pracovné svetlo
 - (4) Spúšť
 - (5) Rukoväť (izolovaná úchopová plocha)
 - (6) Tlačidlo na odistenie akumulátora
 - (7) Akumulátor
 - (8) Háč na opasok
 - (9) Spínač na otvorenie zásobníka
 - (10) Posúvač zásobníka
 - (11) Zásobník
 - (12) Hĺbkový doraz
 - (13) Nastavovacie koliesko na nastavenie hĺbkového dorazu
 - (14) Náhládové okienko ukazovateľa naplnenia
 - (15) Pás so sponami^{a)}
- a) **Toto príslušenstvo nepatrí do štandardného rozsahu dodávky.**

Technické údaje

Akumulátorová sponkovačka		GTH 18V-14
Vecné číslo		3 601 D82 8..
Menovité napätie	V=	18
Spúšťacie systémy		
– Jednotlivé spúšťanie s poistkou proti spusteniu		●
– Kontaktné spúšťanie		●
Zatlkací prvok		
– Typ		Spona z plochého drôtu Bosch Typ 57
– Šírka chrbtu	mm	10,6
– Dĺžka	mm	6–14
– Hrúbka	mm	1,25
– Uhol		0°
Max. kapacita zásobníka		100
Rozmery (bez akumulátora)		

Akumulátorová sponkovačka		GTH 18V-14
– Výška	mm	223
– Šírka	mm	81
– Dĺžka s kontaktným prvkom	mm	247
Hmotnosť ^{A)}	kg	1,8
Odporúčaná teplota okolia pri nabíjaní	°C	0 ... +35
Povolená teplota okolia pri prevádzke ^{B)} a pri skladovaní	°C	–20 ... +50
Kompatibilné akumulátory		GBA18V... GBA 18V... ProCORE18V... EXPERT18V... EXBA18V... CORE18V...
Odporúčané akumulátory pre plný výkon		GBA 18V... ≥ 2,0 Ah
Odporúčané nabíjačky		GAL18... GAL 18... GAL 36... GAL12V/18... GAL 12V/18... GAX 18... EXAL18...

A) Bez akumulátora (hmotnosť akumulátora nájdete na stránke www.bosch-professional.com)

B) obmedzený výkon pri teplotách < 0 °C

Hodnoty sa môžu líšiť podľa výrobku a závisia od podmienok použitia a prostredia. Ďalšie informácie na adrese www.bosch-professional.com/wac.

Informácia o hlučnosti/vibráciách

Hodnoty emisií hľuku zistené podľa **EN IEC 62841-2-16**.

Úroveň hľuku elektrického náradia pri použití váhového filtra A je typicky: úroveň akustického tlaku **87 dB(A)**; úroveň akustického výkonu **97 dB(A)**. Neistota **K = 3 dB**.

Noste prostriedky na ochranu sluchu!

Hodnoty vibrácií a_h (kontinuálne vibrácie), p_f (opakované nárazové vibrácie) a neistota K sa určujú podľa

EN IEC 62841-2-16:

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

Úroveň vibrácií a hodnota emisií hľuku uvedené v týchto pokynoch boli namerané podľa normovaného meracieho postupu a dajú sa použiť na vzájomné porovnanie elektrického náradia. Hodia sa aj na predbežný odhad emisie vibrácií a hľuku.

Uvedená úroveň vibrácií a hodnota emisií hľuku reprezentuje hlavné spôsoby použitia elektrického náradia. Ak sa však elektrické náradie využíva na iné spôsoby použitia, s odlišnými vkladacími nástrojmi alebo pri nedostatočnej údržbe, môže sa úroveň vibrácií a hodnota emisií hľuku odlišovať. To môže emisiu vibrácií a hľuku počas celého pracovného času výrazne zvýšiť.

Na presný odhad emisií vibrácií a hľuku by sa mal zohľadniť aj čas, v priebehu ktorého je náradie vypnuté alebo síce

spustené, ale v skutočnosti sa nepoužíva. To môže emisie vibrácií a hľuku počas celého pracovného času výrazne znížiť.

Na ochranu obsluhujúcej osoby pred pôsobením vibrácií určite doplnkové bezpečnostné opatrenia, ako napríklad: údržba elektrického náradia a vkladacích nástrojov, udržiavanie správnej teploty rúk, organizácia pracovných procesov.

Akumulátor

Bosch predáva akumulátorové elektrické náradie aj bez akumulátora. Informáciu, či je súčasťou dodávky vášho elektrického náradia akumulátor, nájdete na obale.

Nabíjanie akumulátora

► **Používajte len nabíjačky uvedené v technických údajoch.** Len tieto nabíjačky sú prispôbené na lítium-iónový akumulátor používaný pri vašom elektrickom náradí.

Upozornenie: Lítiovo-iónové akumulátory sa na základe medzinárodných dopravných predpisov dodávajú čiastočne nabité. Aby ste zaručili plný výkon akumulátora, pred prvým použitím ho úplne nabite.

Vkladanie akumulátora

Zasuňte nabitý akumulátor do uchytienia akumulátora tak, aby zaskočil.

Vyberanie akumulátora

Na vybratie akumulátora stlačte odísťovacie tlačidlo akumulátora a akumulátor vytiahnite von. **Nepoužívajte pritom neprimeranú silu.**

Akumulátor je vybavený 2 blokovacími stupňami, ktoré majú zabrániť tomu, aby pri neúmyselnom stlačení odísťovacieho tlačidla akumulátor nevypadol. Kým sa akumulátor nachádza v elektrickom náradí, je pridržiavaný v správnej polohe pomocou pružiny.

Indikácia stavu nabitia akumulátora

Upozornenie: Nie každý typ akumulátora má indikáciu stavu nabitia.

Zelené LED kontrolky indikácie stavu nabitia akumulátora zobrazujú stav nabitia akumulátora. Z bezpečnostných dôvodov je zisťovanie stavu nabitia možné len vtedy, keď je elektrické náradie zastavené.

Stlačte tlačidlo pre indikáciu stavu nabitia  alebo , aby sa zobrazil stav nabitia. Je to možné aj vtedy, keď je akumulátor vybratý.

Ak po stlačení tlačidla pre indikáciu stavu nabitia nesvieti žiadna LED kontrolka, akumulátor je chybný a musí sa vymeniť.

Typ akumulátora GBA 18V... | GBA18V...



LED	Kapacita
Trvalé svietenie 3× zelená	60–100 %

LED	Kapacita
Trvalé svietenie 2 × zelená	30–60 %
Trvalé svietenie 1 × zelená	5–30 %
Blikanie 1 × zelená	0–5 %

Akumulátor typu ProCORE18V... | EXPERT18V... | EXBA18V... | CORE18V...



LED	Kapacita
Trvalé svietenie 5 × zelená	80–100 %
Trvalé svietenie 4 × zelená	60–80 %
Trvalé svietenie 3 × zelená	40–60 %
Trvalé svietenie 2 × zelená	20–40 %
Trvalé svietenie 1 × zelená	5–20 %
Blikanie 1 × zelená	0–5 %

Zisťovanie rizika poruchy akumulátora

EXPERT18V... | EXBA18V...

LED diódy indikácie stavu nabitia akumulátora môžu okrem stavu nabitia akumulátora indikovať riziko poruchy akumulátora.

Na aktiváciu funkcie podržte tlačidlo pre indikáciu stavu nabitia  3 sekundy stlačené. Analýza akumulátora je signalizovaná priebehovým svietením indikácie stavu nabitia akumulátora. Výsledok sa zobrazí na indikácii stavu nabitia akumulátora.

 **1 LED dióda:** Vysoké riziko poruchy akumulátora. Výkon a doba chodu môžu už byť obmedzené. Odporúčame akumulátor vymeniť.

 **5 LED diód:** Akumulátor je v dobrom stave s nízkym rizikom poruchy.

Upozornenie: Hodnotenie rizika poruchy akumulátora funguje v dvoch stupňoch a ponúka zjednodušené hodnotenie stavu. Akumulátor je buď v dobrom stave, alebo má zvýšené riziko porúch. Nezobrazuje sa žiadne percento stavu batérie.

Pokyny na optimálne zaobchádzanie s akumulátorom

Chráňte akumulátor pred vlhkosťou a vodou.

Akumulátor skladujte iba pri teplote v rozsahu od –20 °C do 50 °C. Nenechávajte akumulátor napríklad v lete položený v automobile.

Príležitostne vyčistite vetracie štrbiny akumulátora čistým, mäkkým a suchým štetcom.

Výrazne skrátená doba prevádzky akumulátora po nabití signalizuje, že akumulátor je opotrebovaný a treba ho vymeniť za nový.

Dodržiavajte upozornenia týkajúce sa likvidácie.

Montáž

► **Pred vykonávaním akýchkoľvek prác na elektrickom náradí (napr. údržba, výmena nástroja atď.) vyberte z elektrického náradia akumulátor.** V prípade neúmyselného stlačenia zapínača/vypínača hrozí nebezpečenstvo poranenia.

► **Elektrické náradie odkladajte vždy na bočnú stranu a nikdy ho nestavajte na akumulátor.** Pri niektorom pracovnom nástroji a akumulátore by sa elektrické náradie mohlo prevrátiť.

Plnenie zásobníka (pozri obrázky A1–A2)

► **Prv než pristúpite k nastavovaniu zariadenia, výmene príslušenstva alebo odloženiu elektrického náradia, vyberte akumulátor.** Toto preventívne opatrenie zabraňuje neúmyselnému spusteniu elektrického náradia.

Používajte iba originálne príslušenstvo Bosch. Presné diely elektrického náradia, ako je zásobník, ústie a vystreľovací kanálik, sú prispôsobené **sponkám, klincom a kolíkom** od firmy **Bosch**. Iní výrobcovia používajú inú kvalitu ocele a iné rozmery.

Upozornenie: Používajte iba zatĺkacie prvky, ktoré sú uvedené v tabuľke „Technické údaje“.

Použitie nedovolených vsadzovacích prvkov môže toto elektrické náradie poškodiť a spôsobiť poranenia.

Počas naplňania zásobníka držte elektrické náradie tak, aby ústie **(2)** nebolo nasmerované na vaše vlastné telo a ani na iné osoby.

- Stlačte spínač **(9)** na otvorenie zásobníka. Posúvač zásobníka **(10)** sa vysunie.
- Vložte pás so sponkami hrotmi sponiek smerom nahor do hornej časti zásobníka **(11)**.

Upozornenie: Elektronické sledovanie rozpozná, či sa v zásobníku nachádzajú sponky. Keď stlačíte poistku proti spusteniu pri prázdnom zásobníku, nespustí sa žiadny postup zatĺkania. Bráni sa tým zatĺkaniu naprázdno.

- Ťahajte posúvač zásobníka **(10)** na začiatok zásobníka, kým nezaskočí.

Upozornenie: Posúvač zásobníka sa musí dať zasunúť späť bez vynaloženia veľkej sily (len silou prsta). Zaseknutý posúvač zásobníka má tieto dôsledky: sponka sa nenastrelí, sponka zostane visieť vo vystreľovacom kanáliku (pozri zaseknutie) alebo sponka sa nastrelí v nesprávnom uhle.

Prevádzka

► **Elektrické náradie odkladajte vždy na bočnú stranu a nikdy ho nestavajte na akumulátor.** Pri niektorom pracovnom nástroji a akumulátore by sa elektrické náradie mohlo prevrátiť.

Spúšťacie systémy

Jednotlivé spúšťanie s poistkou proti spusteniu

Na tomto spúšťacom systéme sa musí najprv poistka proti spusteniu **(1)** pevne nasadiť na obrobok. Zatĺkací prvok sa

nastreli až po stlačení spúšte **(4)**.

Ďalšie zatĺkania je možné spustiť, až keď sa spúšť **(4)** najprv opäť vráti do východiskovej polohy a poistka proti spusteniu **(1)** je ešte stále zatlačená.

Kontaktné spúšťanie

Na tomto spúšťacom systéme sa musí najprv stlačiť spúšť **(4)** a držať v tejto polohe. Potom sa musí poistka proti spusteniu **(1)** pevne nasadiť na obrobok, aby sa zatĺkací prvok nastrelil. Kým sa spúšť **(4)** drží stlačená, ďalšie zatĺkania sa môžu spustiť ďalším nasadením na iné miesto.

Uvedenie do prevádzky

Zapnutie/vypnutie

Elektrické náradie je po založení akumulátora **(7)** pripravené na prevádzku.

Sponkovanie – jednotlivé spúšťanie

- Nasadte ústie **(2)** pevne na obrobok tak, aby bola poistka proti spusteniu **(1)** úplne zatlačená. Pracovné svetlo **(3)** sa zapne.
- Potom krátko stlačte spúšť **(4)** a opäť ju uvoľnite. Pritom sa nastreli jedna spona.
- Pre ďalšie zatĺkanie úplne zdvihnite elektrické náradie z obrobku a znova ho pevne nasadte na ďalšie požadované miesto. Prípadne môžete poistku proti spusteniu **(1)** držať stlačenú a stláčať spúšť **(4)**, ak chcete vystreliť ďalšiu sponu.

Sponkovanie – kontaktné spúšťanie

- Spúšť **(4)** držte stlačenú. Pracovné svetlo **(3)** sa zapne.
- Nasadte ústie **(2)** pevne na obrobok tak, aby bola poistka proti spusteniu **(1)** úplne zatlačená. Pritom sa nastreli jedna spona.
- Pri ďalšom zatĺkaní držte spúšť **(4)** nadalej stlačenú a celkom nadvihnite elektrické náradie z obrobku. Znova ho pevne nasadte na ďalšie požadované miesto. Pritom sa nastreli ďalšia spona.

Upozornenie: Pred zdvihnutím elektrického náradia z obrobku vždy počkajte, kým sa spona úplne nevysunie.

Pracovné pokyny

- **Pred vykonávaním akýchkoľvek prác na elektrickom náradí (napr. údržba, výmena nástroja atď.) vyberte z elektrického náradia akumulátor.** V prípade neúmyselného stlačenia zapínača/vypínača hrozí nebezpečenstvo poranenia.

Pred každým začatím práce skontrolujte, či bezpečnostné a spúšťacie zariadenia fungujú bezchybne a či sú všetky skrutky a matice dobre upevnené.

Elektrické náradie, ktoré je poškodené alebo nefunguje správne, okamžite odpojte od prívodu energie a skontaktujte sa s autorizovaným zákaznickým servisom Bosch.

S elektrickým náradím nemanipulujte v rozpore s predpismi. Nedemontujte alebo nezablokujte časti elektrického náradia, napr. poistku proti spusteniu.

Nevykonávajte „núdzové opravy“ nevhodnými prostriedkami. Elektrické náradie si vyžaduje pravidelnú a odbornú údržbu.

Vyvarujte sa akéhokoľvek oslabenia alebo poškodenia elektrického náradia, napr.:

- tepaním alebo gravírovaním,
- konštrukčnými a inými úpravami, ktoré neboli schválené výrobcom,
- vedením náradia podľa šablón vyrobených z tvrdého materiálu, napr. z ocele,
- pádom na zem alebo jeho posúvaním po podlahe,
- používaním ako kladiva,
- akýmkoľvek použitím neprimeranej sily.

Vždy sa presvedčte, čo sa skrýva pod vašim obrobkom alebo za ním. Nenastrelujte spony do stien, stropov alebo podláh, keď sa za nimi nachádzajú osoby. Spony môžu preraziť obrobok a niekoho poraniť.

Nestrieľajte spony na už osadené spony. Spona by sa pritom mohla deformovať, spony by sa mohli zaseknúť alebo elektrické náradie by sa mohlo uviesť do nekontrolovaného pohybu.

Ak sa elektrické náradie používa pri nízkej teplote prostredia, prvé spony sa zatĺkajú pomalšie ako zvyčajne. Keď sa elektrické náradie počas práce zohreje, dá sa s ním opäť pracovať normálnou rýchlosťou.

Vyhýbajte sa nastreľovaniu naprázdno, aby ste zabránili opotrebovaniu nárážaca.

Počas dlhších prestávok v práci alebo po skončení práce vyberte akumulátor z elektrického náradia a podľa možnosti vyprázdňte zásobník. Elektrické náradie položte na rovný povrch tak, aby sa kontaktný prvok neaktivoval.

Vyprázdnenie zásobníka (pozri obrázky B1–B2)

- Stlačte spínač **(9)** na otvorenie zásobníka. Posúvač zásobníka **(10)** sa vysunie.
- Otočte elektrické náradie tak, aby sa pás so sponami **(15)** v zásobníku **(11)** vysunul.
- Pri zatváraní zásobníka opatrne posúvajte posúvač zásobníka **(10)** dopredu až po začiatok zásobníka **(11)**.

Nastavenie hĺbkového dorazu (pozri obrázok C)

Hĺbku zatĺčenia sponiek možno nastaviť nastavovacím kolieskom **(13)**.

- Vyprázdnite zásobník **(11)**.
- **Spony sa nastreľujú príliš hlboko:** Hĺbku zatĺčenia znížite otáčaním nastavovacieho kolieska **(13)**



v smere

- **Spony sa nenastreľujú dostatočne hlboko:** Hĺbku zatĺčenia zvýšite otáčaním nastavovacieho kolieska **(13)**



v smere

Skontrolujte, či hĺbkový doraz **(12)** dosadá úplne na obrobok.

- Zásobník znova naplňte.

- Novú hĺbku vsadzovania otestujte na skúšobnom obrobníku.
- V prípade potreby zopakujte postup.

Uvoľnenie zaseknutia

Jednotlivé spony sa môžu zaseknúť vo vystreľovacom kanáliku. Ak by k tomu dochádzalo častejšie, skontaktujte sa s autorizovaným zákazníckym servisom Bosch.

- Uvoľnite spúšť (4).
- Vyberte akumulátor (7).
- Stlačte spínač (9) na otvorenie zásobníka.
- Elektrické náradie otočte tak, aby sa pás so sponami (15) v zásobníku (11) vysunul. Odstráňte zaseknuté spony. V prípade potreby na to použite kliešte.
- Znova naplňte zásobník (11).
- Posúvač zásobníka (10) ťahajte na začiatok zásobníka, kým posúvač zásobníka nezapadne.

Preprava a odkladanie

Pred prenášaním vyberte z elektrického náradia akumulátor, predovšetkým vtedy, ak používate rebrík alebo ak sa pohybujete s nezvyčajným držaním tela.

Plán údržby

Vyčistite zásobník (11). Odstráňte drevené triesky, ktoré sa počas práce mohli nahromadiť v zásobníku. V pravidelných intervaloch čistite elektrické náradie pomocou stlačeného vzduchu.

Opatrenie	Odôvodnenie	Vykonanie
Zásobník (11) a posúvač zásobníka (10) vyčistíte.	Bráni to zaseknutiu spony.	– Mechanizmus zásobníka/posúvača zásobníka vyfúkajte stlačeným vzduchom.
Zabezpečte, aby poistka proti spusteniu (1) správne fungovala.	Prispieva to k vašej bezpečnosti pri práci a efektívnemu používaniu elektrického náradia.	– Mechanizmus poistky proti spusteniu vyfúkajte stlačeným vzduchom.

Odstránenie porúch

Problém	Príčina	Pomoc
Elektrické náradie nie je pripravené na prevádzku.	Akumulátor nie je nabitý alebo je chybný.	– Akumulátor úplne nabite alebo ho vymeňte.
	Akumulátor nie je správne nasadený.	– Zaisťte, aby bol akumulátor v rukoväti zaskočený.
	Teplota akumulátora je príliš vysoká alebo príliš nízka.	– Počkajte, kým akumulátor (znova) dosiahne optimálnu prevádzkovú teplotu.
	Kontakty akumulátora alebo motor sú znečistené alebo chybné.	– Skontaktujte sa s autorizovaným zákazníckym servisom Bosch. Dajte tam komponent vymeniť.
	Zásobník (11) je prázdny.	– Zásobník znova naplňte. (pozri „Plnenie zásobníka (pozri obrázky A1–A2)“, Stránka 10)
	Poistka proti spusteniu (1) je pokrivená.	– Skontaktujte sa s autorizovaným zákazníckym servisom Bosch. Dajte tam komponent vymeniť.

Elektrické náradie prenášajte na pracovisku iba za rukoväť (5) a nie so stlačenou spúšťou (4).

Elektrické náradie uchovávajte vždy odpojené od akumulátora a na suchom, teplom mieste.

Ak sa elektrické náradie dlhšiu dobu nebude používať, na oceľové diely náradia naneste tenkú vrstvu oleja. Zabráni to vzniku korózie.

Hák na opasok (pozri obrázok D)

Pomocou háka na opasok (8) si môžete elektrické náradie zavesiť napr. na opasok. Obe ruky tak budete mať voľné a elektrické náradie budete mať stále na dosah.

Údržba a servis

Údržba a čistenie

► **Pred vykonávaním akýchkoľvek prác na elektrickom náradí (napr. údržba, výmena nástroja atď.) vyberte z elektrického náradia akumulátor.** V prípade neúmyselného stlačenia zapínača/vypínača hrozí nebezpečenstvo poranenia.

► **Elektrické náradie a vetracie štrbiny udržiavajte v čistote, aby ste mohli dobre a bezpečne pracovať.**

Problém	Príčina	Pomoc
	Elektronika je chybná.	– Skontaktujte sa s autorizovaným zákaznickým servisom Bosch.
Elektrické náradie je pripravené na prevádzku, ale žiadne spony sa nenastreľujú.	Možná chyba týchto dielov: – Spúšť (4) – Narážač – Motor alebo prevodovka – Elektronika	– Skontaktujte sa s autorizovaným zákaznickým servisom Bosch. Dajte tam komponent vymeniť.
	V nastreľovacom mechanizme sa nahromadili cudzie telesá.	– Skontaktujte sa s autorizovaným zákaznickým servisom Bosch. Dajte tam komponent vymeniť.
	V ústí (2) alebo v zásobníku (11) sa nahromadili cudzie telesá.	– Vyčistite ústie (2) alebo zásobník (11) .
	Vo vystreľovacom kanáliku sa zasekla spona.	– Uvoľnite zaseknutie. (pozri „Uvoľnenie zaseknutia“, Stránka 12)
	Posúvač zásobníka (10) je zaseknutý alebo chybný.	– V prípade potreby vyčistite posúvač zásobníka (10) a zabezpečte, aby zásobník (11) nebol znečistený.
		– Skontaktujte sa s autorizovaným zákaznickým servisom Bosch. Dajte tam komponent vymeniť.
	Pružina posúvača zásobníka je príliš slabá alebo chybná.	– Skontaktujte sa s autorizovaným zákaznickým servisom Bosch. Dajte tam komponent vymeniť.
	Použité spony nie sú dovolené.	– Používajte len originálne príslušenstvo. Používať sa môžu iba spony, ktoré sú špecifikované v tabuľke „Technické údaje“.
	Zásobník (11) je prázdny.	– Zásobník znova naplňte. (pozri „Plnenie zásobníka (pozri obrázky A1–A2)“, Stránka 10)
	Spúšť (4) a poistka proti spusteniu (1) boli stlačené súčasne.	– Proces zatĺkania vykonajte znovu a dodržte pritom správnu postupnosť uvádzania do činnosti.
Spony sa zatĺkajú príliš hlboko.	Hĺbkový doraz (12) je nastavený príliš hlboko.	– Nastavte hĺbkový doraz (12) na želanú hĺbku. (pozri „Nastavenie hĺbkového dorazu (pozri obrázok C)“, Stránka 11)
	Hĺbkový doraz (12) neprilieha úplne na obrobok.	– Skontrolujte, či hĺbkový doraz (12) prilieha úplne na obrobok.
	Tlmič je opotrebovaný.	– Skontaktujte sa s autorizovaným zákaznickým servisom Bosch. Dajte tam komponent vymeniť.
Spony sa nenastreľujú dostatočne hlboko.	Akumulátor nie je nabitý alebo je chybný.	– Akumulátor úplne nabite alebo ho vymeňte.
	Použité spony sú príliš dlhé.	– Používajte len originálne príslušenstvo. Používať sa môžu iba spony, ktoré sú špecifikované v tabuľke „Technické údaje“.
	Hĺbkový doraz je nastavený príliš vysoko.	– Nastavte hĺbkový doraz na želanú hĺbku. (pozri „Nastavenie hĺbkového dorazu (pozri obrázok C)“, Stránka 11)

Problém	Príčina	Pomoc
	Prítlak na obrobok je príliš malý.	– Vyviňte na obrobok pomocou elektrického náradia väčší prítlak.
	Narážač je chybný.	– Skontaktujte sa s autorizovaným zákazníckym servisom Bosch. Dajte tam komponent vymeniť.
Elektrické náradie preskakuje spony.	Použitie spony nie sú dovolené.	– Používajte len originálne príslušenstvo. Používať sa môžu iba spony, ktoré sú špecifikované v tabuľke „Technické údaje“.
	Pružina posúvača zásobníka je príliš slabá alebo chybná.	– Skontaktujte sa s autorizovaným zákazníckym servisom Bosch. Dajte tam komponent vymeniť.
Spony sa často zasekávajú vo vystreľovačom kanáliku.	Použitie spony nie sú dovolené.	– Používajte len originálne príslušenstvo. Používať sa môžu iba spony, ktoré sú špecifikované v tabuľke „Technické údaje“.
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