BOSCH

Professional HEAVY DUTY

GNH 18V-64 MD



Robert Bosch Power Tools GmbH
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GERMANY

www.bosch-pt.com

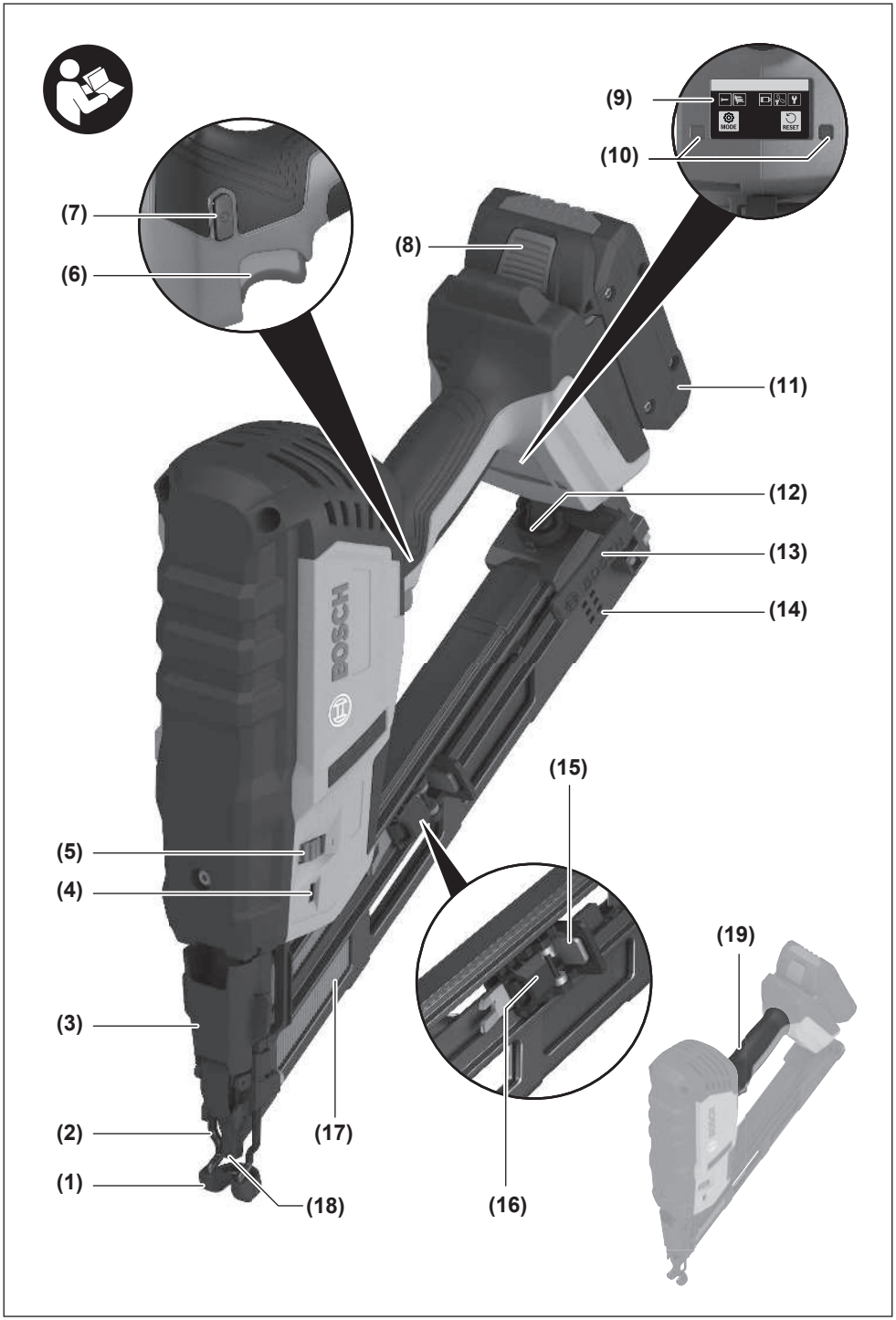
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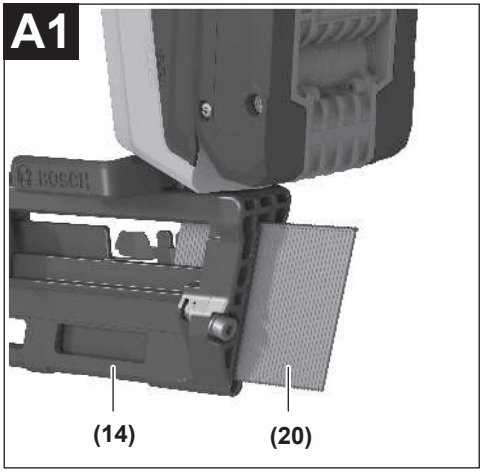
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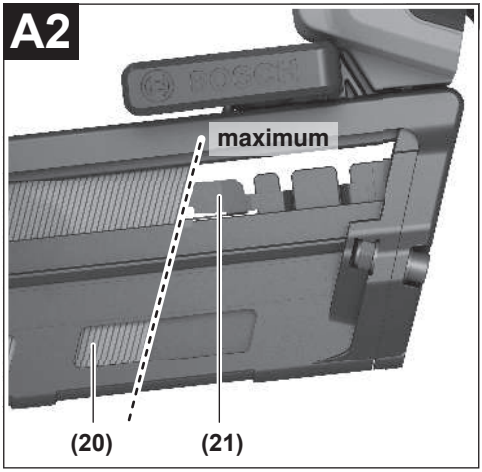
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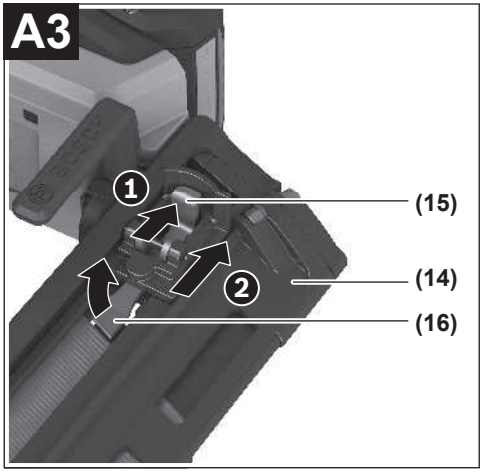
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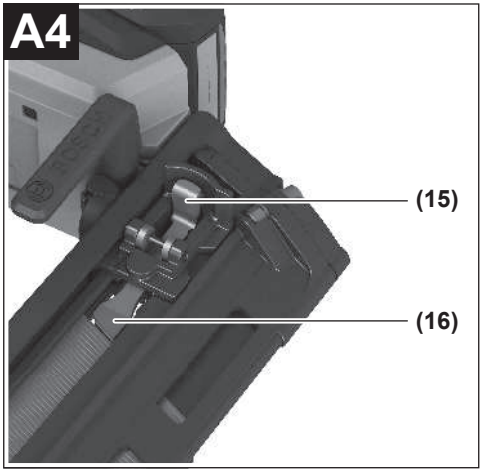
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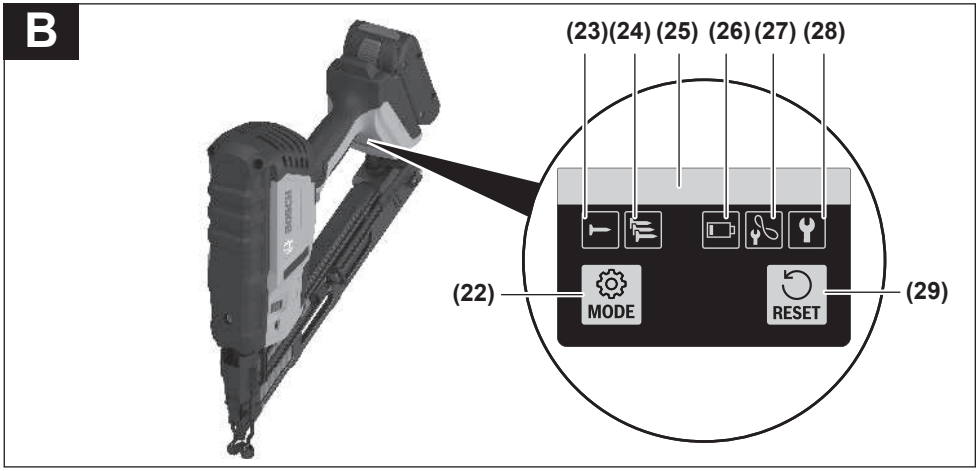

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BOSCH
MODE
RESET

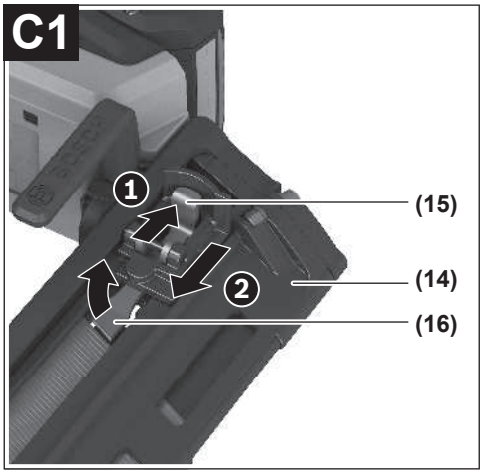

A1
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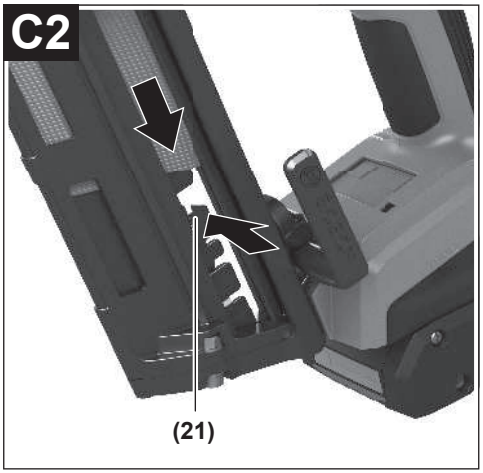

A2
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(20)
(21)

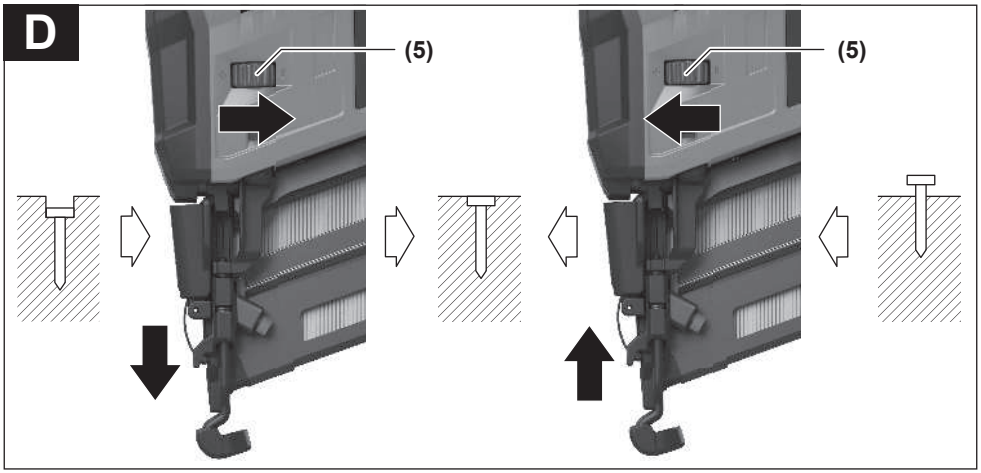

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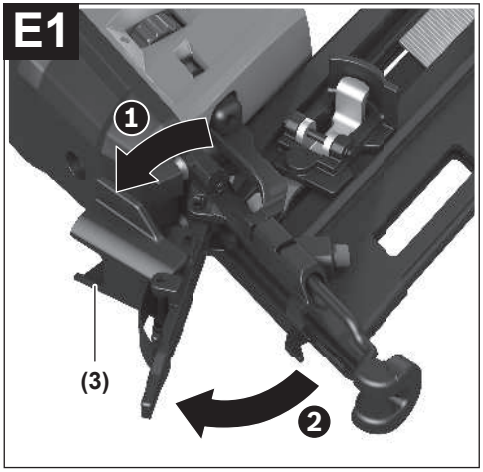

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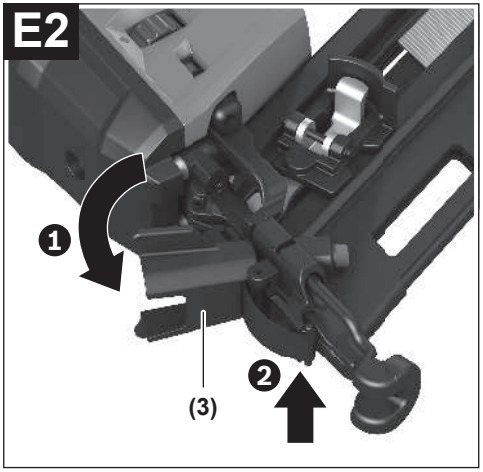

B
(23)(24)(25)(26)(27)(28)
(22)
MODE
RESET
(29)


C1
1
(15)
2
(14)
(16)

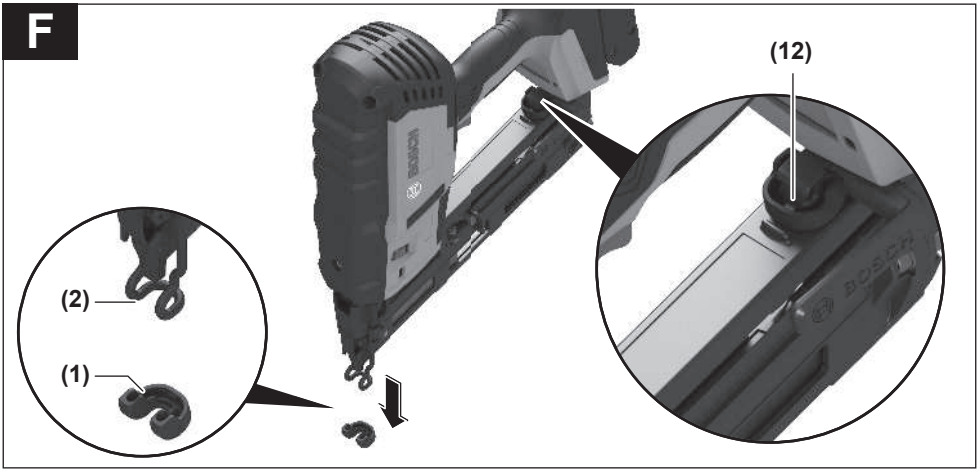

C2
(21)


D
(5)
(5)


E1
1
(3)
2


E2
1
2
(3)

F



Dansk

Sikkerhedsinstrukser

Generelle sikkerhedsanvisninger for el-værktøj

⚠ ADVARSEL **Læs alle sikkerhedsadvarsler, instruktioner, illustrationer og specifikationer, som følger med el-værktøjet.** I tilfælde af manglende overholdelse af anvisningerne nedenfor er der risiko for elektrisk stød, brand og/eller alvorlige personskader.

Opbevar alle sikkerhedsinstrukser og anvisninger til senere brug.

Betegnelsen "el-værktøj" i advarslerne refererer til dit (ledningsforbundne) el-værktøj tilsluttet lysnettet eller til batteridrevet (ledningsfrit) el-værktøj.

Sikkerhed på arbejdspladsen

- **Hold arbejdsområdet rent og godt oplyst.** Rodede eller mørke områder kan medføre ulykker.
- **Brug ikke el-værktøjet i eksplosionsfarlige omgivelser, hvor der findes brændbare væsker, gasser eller støv.** El-værktøj kan slå gnister, der kan antænde støv eller dampe.
- **Sørg for, at andre personer og ikke mindst børn holdes væk fra arbejdsområdet, når el-værktøjet er i brug.** Hvis man distraheres, kan man miste kontrollen over maskinen.

Elektrisk sikkerhed

- **El-værktøj må ikke udsættes for regn eller fugt.** Indtrængen af vand i el-værktøj øger risikoen for elektrisk stød.

Personlig sikkerhed

- **Det er vigtigt at være opmærksom og holde øje med, hvad man laver, og bruge el-værktøjet fornuftigt. Brug ikke el-værktøj, hvis du er træt, har indtaget alkohol eller er påvirket af medikamenter eller euforiserende stoffer.** Få sekunders uopmærksomhed ved brug af el-værktøjet kan føre til alvorlige personskader.
- **Brug personligt beskyttelsesudstyr. Brug altid beskyttelsesbriller.** Brug af sikkerhedsudstyr som f. eks. støvmaske, skridsikkert fodtøj, beskyttelseshjelm eller høreværn afhængig af maskintype og anvendelse nedsætter risikoen for personskader.
- **Undgå utilsigtet igangsætning. Kontrollér, at el-værktøjet er slukket, før du tilslutter det til strømtilførslen og/eller batteriet, løfter eller bærer det.** Undgå at bære el-værktøjet med fingeren på afbryderen og sørg for, at el-værktøjet ikke er tændt, når det sluttes til nettet, da dette øger risikoen for personskader.
- **Gør det til en vane altid at fjerne indstillingsværktøj eller skruenøgle, før el-værktøjet startes.** Hvis et stykke værktøj eller en nøgle sidder i en roterende maskindel, er der risiko for personskader.
- **Undgå en unormal legemsposition. Sørg for at stå sikkert, mens der arbejdes, og kom ikke ud af balance.** Dermed har du bedre muligheder for at kontrollere el-værktøjet, hvis der skulle opstå uventede situationer.
- **Brug egnet arbejdstøj. Undgå løse beklædningsgenstande eller smykker. Hold hår og tøj væk fra dele, der bevæger sig.** Dele, der er i bevægelse, kan gribe fat i løstsiddende tøj, smykker eller langt hår.
- **Hvis støvudsugnings- og opsamlingsudstyr kan monteres, er det vigtigt, at dette tilsluttes og benyttes korrekt.** Brug af en støvopsugning kan reducere støvmængden og dermed den fare, der er forbundet med støv.
- **Selvom du kender værktøjet godt og er vant til at bruge det, skal du alligevel være opmærksom og overholde sikkerhedsanvisningerne.** Et øjebliks uopmærksomhed kan medføre alvorlige personskader.

Omhyggelig omgang med og brug af el-værktøj

- **Undgå overbelastning af el-værktøjet. Brug altid el-værktøj, der er beregnet til det stykke arbejde, der skal udføres.** Med det passende el-værktøj arbejder man bedst og mest sikkert inden for det angivne effektområde.
- **Brug ikke el-værktøj, hvis afbryderen er defekt.** El-værktøj, der ikke kan startes eller stoppes, er farligt og skal repareres.
- **Træk stikket ud af stikkontakten og/eller fjern batteriet, hvis det kan tages af, før el-værktøjet justeres, før skift af tilbehørsdele og før el-værktøjet lægges til opbevaring.** Disse sikkerhedsforanstaltninger forhindrer utilsigtet start af el-værktøjet.
- **Opbevar ubenyttet el-værktøj uden for børns rækkevidde. Lad aldrig personer, der ikke er fortrolige med el-værktøjet eller ikke har gennemlæst disse instrukser, benytte el-værktøjet.** El-værktøj er farligt, hvis det benyttes af ukyndige personer.
- **Vedligehold el-værktøj og tilbehørsdele. Kontroller, om bevægelige maskindele fungerer korrekt og ikke sidder fast, og om delene er brækket eller beskadiget, således at el-værktøjets funktion påvirkes. Få beskadigede dele repareret, inden el-værktøjet tages i brug.** Mange uheld skyldes dårligt vedligeholdt el-værktøj.
- **Sørg for, at skæreværktøjer er skarpe og rene.** Omhyggeligt vedligeholdte skæreværktøjer med skarpe skærekanter sætter sig ikke så hurtigt fast og er nemmere at føre.
- **Brug el-værktøj, tilbehør, indsatsværktøj osv. iht. disse instrukser. Tag hensyn til arbejdsforholdene og det arbejde, der skal udføres.** Anvendelse af el-værktøjet til formål, som ligger uden for det fastsatte anvendelsesområde, kan føre til farlige situationer.
- **Hold håndtag og gribeflader tørre, rene og fri for olie og smørefedt.** Hvis håndtag og gribeflader er glatte, kan værktøjet ikke håndteres og styres sikkert, hvis der sker noget uventet.

Omhyggelig omgang med og brug af akku-værktøj

- ▶ **Oplad kun batterier i ladeapparater, der er anbefalet af producenten.** Et ladeapparat, der er egnet til en bestemt type batterier, må ikke benyttes med andre batterier – brandfare.
- ▶ **Brug kun batterier, der er beregnet til el-værktøjet.** Brug af andre batterier øger risikoen for personskader og er forbundet med brandfare.
- ▶ **Batterier, der ikke benyttes, må ikke komme i berøring med metaldele såsom kontorclips, mønter, nøgler, søm, skruer eller andre små metalgenstande, da disse kan kortslutte kontakterne.** En kortslutning mellem batteri-kontakterne øger risikoen for personskader i form af forbrændinger.
- ▶ **Hvis batteriet anvendes forkert, kan der slippe væske ud af batteriet - undgå kontakt. Hvis det alligevel skulle ske, skylles med vand. Søg læge, hvis væsken kommer i øjnene.** Batterivæske kan give hudirritation eller forbrændinger.
- ▶ **Brug ikke batterier eller værktøj, som er beskadiget eller modificeret.** Beskadigede eller modificerede batterier kan reagere uforudsigeligt og forårsage brand, eksplosion eller fare for personskade.
- ▶ **Batterier eller værktøj må ikke udsættes for ild eller meget høje temperaturer.** Ild eller temperaturer over 130 °C kan medføre eksplosion.
- ▶ **Følg alle instruktioner for opladning. Batteriet må ikke oplades ved temperaturer uden for det område, der er angivet i instruktionerne.** Forkert opladning eller opladning ved temperaturer uden for det angivne område kan medføre skader på batteriet og forøge brandfaren.

Service

- ▶ **Sørg for, at el-værktøj kun repareres af kvalificerede fagfolk og at der kun benyttes originale reservedele.** Dermed sikres størst mulig maskinsikkerhed.
- ▶ **Beskadigede batterier må aldrig repareres.** Reparation af batterier må kun udføres af producenten eller autoriserede reparatører.

Sikkerhedsforskrifter til sømpistol

- ▶ **Gå altid ud fra at værktøjet indeholder hæfteklammer.** Uforsigtig håndtering af sømpistolen kan medføre utilsigtet udskydning af søm og personskade.
- ▶ **Afbryd værktøjet fra strømforsyningen under fyldning og udtagning af hæfteklammer, justering eller tilbehørsskift.** Hæftepistolen kan blive aktiveret ved en fejl, hvis den er sluttet til strømforsyningen, hvilket kan resultere i personskade.
- ▶ **Vær forsigtig ved håndtering af hæfteklammer, især under fyldning og udtagning.** Hæfteklammerne er spidse og kan forårsage personskade.
- ▶ **Ret ikke værktøjet mod dig selv eller andre personer i nærheden.** Utilsigtet aktivering af aftrækkeren affyrer en hæfteklamme, som kan forårsage personskade.
- ▶ **Hold fingrene væk fra aftrækkeren, når du ikke betjener sømpistolen, og når du skifter fra én betjeningsposition til en anden.** Utilsigtet aktivering af aftrækkeren affyrer en søm, som kan forårsage personskade.
- ▶ **Hold fast om sømpistolens isolerede gribeflader, når du udfører arbejde, hvor hæfteklammen kan komme i kontakt med skjulte kabler.** Hvis en hæfteklamme kommer i kontakt med en strømførende ledning, kan blottede metaldele på sømpistolen blive strømførende, hvorved brugeren risikerer at blive udsat for elektrisk stød.
- ▶ **Hold godt fast om sømpistolen, når du betjener den.** Hvis sømpistolen springer uventet tilbage, kan den blive aktiveret igen og forårsage kvæstelser.
- ▶ **Hold alle kropsdele som f.eks. hænder og ben væk fra sømpistolen affyringsretning.** Hæfteklammen kan trænge gennem arbejdsemnet og ind i enhver bagvedliggende genstand og forårsage personskade.
- ▶ **Når du bruger sømpistolen, skal du holde alle kropsdele som hænder og ben væk fra det område, hvor hæfteklammen rammer ind i arbejdsemnet.** Hæfteklammen kan blive afbøjet og slået tilbage fra arbejdsemnet med eventuel personskade til følge.
- ▶ **Betjen ikke værktøjet før det er anbragt sikkert mod arbejdsemnet.** Hvis sømpistolen ikke har kontakt med arbejdsemnet, kan hæfteklammen prelle af mod arbejdsemnet med personskade til følge.
- ▶ **Brug ikke denne sømpistol til fastgørelse af elektriske ledninger.** Den er ikke beregnet til elektriske ledningsinstallationer og kan beskadige isoleringen på elektriske ledninger, hvilket kan medføre elektrisk stød og brand.
- ▶ **Afbryd sømpistolen fra strømkilden, hvis en hæfteklamme sidder fast i sømpistolen.** Under fjernelse af en fastklemt hæfteklamme, kan sømpistolen blive aktiveret ved en fejl, hvis den er sluttet til strømforsyningen, hvilket kan medføre personskade.
- ▶ **Vær forsigtig ved fjernelse af en fastklemt hæfteklamme.** Mekanismen kan være under tryk, og hæfteklammen kan blive skudt ud, hvilket kan medføre personskade.
- ▶ **Anvend egnede søgeinstrumenter til at finde frem til skjulte forsyningsledninger, eller kontakt det lokale forsyningsselskab.** Kontakt med elektriske ledninger kan føre til brand og elektrisk stød. Beskadigelse af en gasledning kan føre til eksplosion. Beskadigelse af en vandledning kan føre til materiel skade.
- ▶ **Beskadiges akkuen, eller bruges den forkert, kan der sive dampe ud. Akkuen kan brænde eller eksplodere.** Tilfør frisk luft og søg læge, hvis du føler dig utilpas. Dampene kan irritere luftvejene.
- ▶ **Akkuen må ikke ændres eller åbnes.** Fare for kortslutning.
- ▶ **Akkuen kan blive beskadiget af spidse genstande som f.eks. søm eller skruetrækkere eller ydre kraftpåvirkning.** Der kan opstå indvendig kortslutning, så akkuen kan antændes, ryge, eksplodere eller overophedes.
- ▶ **Brug kun akkuen i produkter fra producenten.** Kun på denne måde beskyttes batteriet mod farlig overbelastning.



Beskyt akkuen mod varme (f.eks. også mod varige solstråler, brand, snavs, vand og fugtighed). Der er risiko for eksplosion og kortslutning.



Brug høreværn. Støjpåvirkning kan føre til tab af hørelse.



Brug sikkerhedsbriller. Dele, der flyver rundt, kan forårsage øjenskader.

Produkt- og ydelsesbeskrivelse



Læs alle sikkerhedsinstrukser og anvisninger. Overholdes sikkerhedsinstrukserne og anvisningerne ikke, er der risiko for elektrisk stød, brand og/eller alvorlige kvæstelser.

Vær opmærksom på alle illustrationer i den forreste del af betjeningsvejledningen.

Beregnet anvendelse

El-værktøjet er beregnet til inddrivning af søm i træ.
Der må kun bruges inddrivningsgenstande (søm, klammer etc.), som er angivet i tabellen "Tekniske data".

Bemærk! El-værktøjet er ikke beregnet til inddrivning af søm i metal eller beton.

Brug ikke el-værktøjet med berøringsudløser og automatisk rekyl, når du arbejder på et stillads, en stige eller en anden platform og skal skifte arbejdsstilling. Brug i så fald kun enkeltudløser med sikringsfølge.

Illustrerede komponenter

Nummereringen af de illustrerede komponenter refererer til illustrationen af el-værktøjet på illustrationssiden.

(1) Emnebeskytter
(2) Udløsersikring
(3) Spændehåndtag til åbning/lukning af skudkanalen
(4) Visning til indstilling af dybdeanslag
(5) Indstillingshjul til indstilling af dybdeanslag
(6) Udløser
(7) Tænd/sluk-knap
(8) Batterioplåsningsknap
(9) Brugergrænseflade
(10) Arbejdslys
(11) Batteri
(12) Depot til opbevaring af emnebeskytter
(13) Bæltekrog
(14) Magasin
(15) Magasinskyder
(16) Sømmedbringer
(17) Skueglas på efterfyldningsvisningen
(18) Munding
(19) Håndtag (isoleret grebsflade)
(20) Sømrækker[a)]
(21) Magasinfjeder
Brugergrænseflade
(22) Knap-tilstand
(23) Visning af enkeltudløser
(24) Visning af berøringsudløser
(25) Tilstandsvisning
(26) Akku-ladetilstandsindikator
(27) Visningen Vedligeholdelsestrin lavt
(28) Visningen Vedligeholdelsestrin højt
(29) Knappen Reset

a) **Dette tilbehør hører ikke til standard-leveringen.**

Tekniske data

Akku-sømpistol		GNH 18V-64 MD
Sagsnummer		**3 601 D82 2..**
Nominel spænding	V=	18
Udløsersystemer		
– Enkeltudløser med sikringsfølge		●
– Berøringsudløser med automatisk rekyl		●
Inddrivningsgenstand		
– Type		D-hovedsøm
– Længde	mm	32–64
– Diameter	mm	1,8
	ga	15
– Vinkel	°	34
maks. magasin-volumen		105
Mål (uden akku)		
– Højde	mm	323
– Bredde	mm	95
– Længde med emnebeskytter	mm	385
Vægt[A)]	kg	3,1
anbefalet omgivelsestemperatur ved opladning	°C	0 … +35
tilladt omgivelsestemperatur under drift[B)C)] og opbevaring	°C	–20 … +50
kompatible akkuer		GBA18V... GBA 18V... ProCORE18V... EXPERT18V... EXBA18V... CORE18V...

Akku-sømpistol	GNH 18V-64 MD
anbefalede akkuer	GBA 18V... ≥ 2,0 Ah ProCORE18V... ≥ 4,0 Ah
anbefalede opladere	GAL18... GAL 18... GAL 36... GAL12V/18... GAL 12V/18... GAX 18... EXAL18...

A) Uden akku (akkuens vægt fremgår af www.bosch-professional.com)

B) begrænset ydelse ved temperaturer < 0 °C

C) begrænset ydelse med GBA 18V...

Værdierne kan varierer afhængigt af produktet samt anvendelses- og miljøbetingelserne. Du kan finde flere oplysninger under www.bosch-professional.com/wac.

Støj-/vibrationsinformation

Støjemissionsværdier fundet iht. **EN IEC 62841-2-16**.

El-værktøjets A-vægtede støjniveau er typisk:
Lydtrykniveau **88** dB(A); lydeffektniveau **99** dB(A).
Usikkerhed K = **3** dB.

Brug høreværn!

Vibrationsværdier a_h (kontinuerlige vibrationer), p_F (gentagne stødvibrationer) og usikkerhed K bestemt i henhold til **EN IEC 62841-2-16**:

a_h = **2,2** m/s^2 (K = **1,5** m/s^2), p_F = **358** m/s^2 (K = **19** m/s^2)

Det svingningsniveau og støjemissionsniveau, der fremgår af anvisningerne, er målt iht. en standardiseret måleværdi og kan anvendes til sammenligning af elværktøj med hinanden. De er også egnet til en foreløbig vurdering af svingnings- og støjemissionen.

Det angivne svingnings- og støjemissionsniveau repræsenterer de væsentlige anvendelser af el-værktøjet. Hvis el-værktøjet dog anvendes til andre formål, med afvigende indsatsværktøj eller utilstrækkelig vedligeholdelse, kan svingnings- og støjemissionsniveauet afvige. Dette kan føre til en betydelig forøgelse af svingnings- og støjemissionen i hele arbejdstidsrummet.

Til en nøjagtig vurdering af svingnings- og støjemissionen bør der også tages højde for de tider, i hvilke værktøjet er slukket eller godt nok kører, men rent faktisk ikke anvendes. Dette kan føre til en betydelig reduktion af svingnings- og støjemissionsniveauet i hele arbejdstidsrummet.

Fastlæg ekstra sikkerhedsforanstaltninger til beskyttelse af brugeren mod svingningers virkning som f.eks.: Vedligeholdelse af el-værktøj og indsatsværktøj, holde hænder varme, organisation af arbejdsforløb.

Akku

Bosch sælger også akku-værktøjer uden akku. Om der følger en akku med din leverance fremgår af emballagen.

Opladning af akku

- ▶ **Brug kun de ladeaggregater, der fremgår af de tekniske data.** Kun disse ladeaggregater er afstemt i forhold til den Li-ion-akku, der bruges på dit el-værktøj.

Bemærk! Lithium-ion-akkuer udleveres delvis opladet på grund af internationale transportforskrifter. For at sikre at akkuen fungerer 100 %, skal du oplade akkuen helt i opladeren før første ibrugtagning.

Isætning af akku

Skub den opladede akku ind i akkuholderen, så den går hørbart i indgreb.

Udtagning af akku

Akkuen tages ud ved at trykke på akku-oplåsningsknappen og trække akkuen ud af el-værktøjet. **Undgå brug af vold.**

Akkuen har to låsetrin, der forhindrer, at den falder ud, hvis du skulle komme til at trykke på akku-udløserknappen ved et uheld. Så længe akkuen sidder i el-værktøjet, holdes den i position af en fjeder.

Akku-ladetilstandsindikator

Bemærk! Ikke alle akku-typer er udstyret med ladetilstandsindikator.

De grønne lysdioder på akku-ladetilstandsindikatoren viser akkuens ladetilstand. Af sikkerhedsgrunde er det kun muligt at forespørge om ladetilstanden, når el-værktøjet er standset.

Tryk på tasten til ladetilstandsindikatoren eller for at få vist ladetilstanden. Dette er også muligt, når akkuen er taget ud.

Hvis ingen lysdioder lyser efter tryk på tasten til ladetilstandsindikatoren, er akkuen defekt og skal udskiftes.

Akku-ladetilstanden vises også på brugerinterfacet (se "Tilstandsindikatorer", Side 12).

Akku-type GBA 18V... | GBA18V...



LED	Kapacitet
Konstant lys 3 × grøn	60–100 %
Konstant lys 2 × grøn	30–60 %
Konstant lys 1 × grøn	5–30 %
Blinkende lys 1 × grøn	0–5 %

Akku-type ProCORE18V... | EXPERT18V... | EXBA18V... | CORE18V...



LED	Kapacitet
Konstant lys 5 × grøn	80–100 %
Konstant lys 4 × grøn	60–80 %

LED	Kapacitet
Konstant lys 3 × grøn	40–60 %
Konstant lys 2 × grøn	20–40 %
Konstant lys 1 × grøn	5–20 %
Blinkende lys 1 × grøn	0–5 %

Konstatering af akku-defektrisiko

EXPERT18V... | EXBA18V...

Akku-ladeindikatorernes LED'er kan ud over akkuens ladetilstand også vise, at der er risiko for akku-defekt.

Denne funktion aktiveres ved at holde ladeindikatorknappen inde i 3 sekunder. Akku-ladeindikatoren markerer med skiftende lys, at akkuen bliver analyseret. Akku-ladeindikatoren viser herefter resultatet af analysen.

1 LED: Akkuen har høj risiko for defekt. Effekt og batteritid kan allerede være reduceret. Det anbefales at udskifte akkuen.

5 LED'er: Akkuen er i god stand med lav risiko for defekt.

Bemærk: Vurderingen af risikoen for akku-defekt har en totrins funktion og giver en forenklet tilstandsvurdering. Akkuen vurderes enten som værende i god stand eller som havende øget defektrisiko. Der vises ingen procentsats, der angiver batteritilstanden.

Henvisninger til optimal håndtering af akkuen

Beskyt akkuen mod fugtighed og vand.

Opbevar kun akkuen i et temperaturområde fra −20 °C til 50 °C. Opbevar ikke akkuen i bilen f.eks. om sommeren.

Rengør akkuens ventilationsåbninger en gang imellem med en blød, ren og tør pensel.

Når driftstiden pr. opladning forkortes væsentligt, er det tegn på, at akkuerne er slidt op og skal udskiftes.

Læs og overhold henvisningerne mht. bortskaffelse.

Montering

- ▶ **Tag akkuen ud af el-værktøjet, før du udfører arbejde på det (f.eks. vedligeholdelse, værktøjsskift, etc.).** Utilsigtet aktivering af tænd/sluk-knappen er forbundet med kvæstelsesfare.

Påfyldning af magasin (se billeder A1–A4)

- ▶ **Fjern akkuen, før du foretager indstillinger, skifter tilbehørsdele eller lægger el-værktøjet fra dig.** Denne sikkerhedsforanstaltning forhindrer utilsigtet start af el-værktøjet.

Brug kun originalt Bosch-tilbehør. Præcisionsdelene på el-værktøjet som f.eks. magasin, munding og skudkanal er tilpasset til **klammer, søm og stifter** fra **Bosch**. Andre fabrikanter benytter andre stålkvaliteter og dimensioner.

Bemærk! Brug kun de inddrivningsgenstande, som fremgår af tabellen "Tekniske data".

Hvis du anvender inddrivningsgenstande, som ikke er godkendt, kan el-værktøjet blive ødelagt, og du kan komme til skade.

Når du fylder magasinet, skal du holde elværktøjet på en sådan måde, at mundingen **(18)** hverken er rettet mod din egen krop eller mod andre personer.

- – Rengør magasinskyderen **(15)** efter behov, og sørg for, at magasinet **(14)** ikke er snavset.
- – Skub en passende sømrække **(20)** ind i T-spalten i enden af magasinet **(14)**.
- – Skub sømrækken så langt frem i magasinet, at det sidste søm kommer til at ligge foran magasinfjederen **(21)** .

Bemærk! En elektronisk overvågning registrerer, om der er søm i magasinet. Hvis udløsersikringen trykkes ind med tomt magasin, udløses der ikke nogen inddrivning. Dermed forhindres affyring i tom tilstand.

- – Tryk den forspændte sømmedbringer **(16)** mod magasinskyderen **(15)**, og træk samtidig magasinskyderen helt frem til enden af magasinet **(14)**.

Bemærk! Magasinskyderen skal kunne skubbes tilbage uden at bruge for mange kræfter (kun med fingerkraft). Hvis magasinskyderen går fast, har det følgende konsekvenser: Sømmet skydes ikke ud, sømmet bliver hængende i skudkanalen (se under "Fastklemning"), eller sømmet skydes ud i en forkert vinkel.

- – Før forsigtigt magasinskyderen **(15)** fremad, mens du trykker sømmedbringeren **(16)** ind, indtil sømmedbringeren er skubbet hen over det sidste søm, og skub derefter sømrækken helt fremad i magasinet.

Bemærk! Lad ikke magasinskyderen springe tilbage af sig selv. Det kan ødelægge magasinskyderen, og der er risiko for, at du får fingrene i klemme.

Brug

Udløsersystemer

Enkeltudløser med sikringsfølge

Ved dette udløsersystem skal udløsersikringen **(2)** først sættes an mod emnet. En inddrivningsgenstand skydes først ud, hvis der trykkes på udløseren **(6)**.

Derefter kan efterfølgende inddrivninger først udløses, når udløser og udløsersikring først er anbragt i udgangsposition igen.

Berøringsudløser med automatisk rekyl

Ved dette udløsersystem skal udløseren **(6)** først trykkes ind og holdes i denne position. Derefter skal udløsersikringen sættes fast an mod emnet, så inddrivningsgenstanden skydes ud. Så længe du holder udløseren **(6)** inde, kan inddrivningen fortsætte andre steder ved blot at sætte værktøjet an mod emnet.

I tilstanden **berøringsudløser** kan et søm også drives ind med enkeltudløser.

Ibrugtagning

Tænd/sluk

– For at **tænde** el-værktøjet skal du trykke på tænd/sluk-knappen **(7)**.
Brugerinterfacet lyser op.
Enkeltudløseren er aktiveret, og visningen Enkeltudløser **(23)** lyser.
– For at **slukke** el-værktøjet skal du trykke på tænd/sluk-knappen **(7)**.

Udskydning af søm – enkeltudløser

– Tænd el-værktøjet.
– Sæt mundingen **(18)** eller den gummiarmerede emnebeskytter **(1)** fast mod emnet, indtil udløsersikringen **(2)** er presset helt ind.
Arbejdslyset tænder, og motoren starter.
– Tryk derefter kort på udløseren **(6)**, og slip den igen.
Derved udskydes der et søm.
– Lad el-værktøjet springe tilbage fra emnet.
– For at fortsætte inddrivningen skal du løfte el-værktøjet helt fra emnet og sætte det an mod det sted, hvor du vil fortsætte.

Udskydning af søm – berøringsudløser

– Tænd el-værktøjet.
– Aktivér berøringsudløseren ved at trykke kort på knappen Tilstand **(22)**.
Visningen af berøringsudløser **(24)** lyser.
– Hold udløseren **(6)** inde.
Arbejdslyset tænder, og motoren starter.
– Sæt mundingen **(18)** eller den gummiarmerede emnebeskytter **(1)** fast mod emnet, indtil udløsersikringen **(2)** er presset helt ind.
Derved udskydes der et søm.
– Hvis du vil fortsætte inddrivningen, skal du holde udløseren **(6)** inde og løfte el-værktøjet helt fra emnet. Sæt det derefter an det næste sted for at fortsætte inddrivningen.
– Skift til enkeltudløser ved at trykke på knappen Tilstand **(22)** igen.
Visningen af enkeltudløseren **(23)** lyser.

Brugerinterface (se billede B)

Brugerinterfacet **(9)** bruges til valg af arbejdstilstand samt til visning af el-værktøjets tilstand.

Tilstandsindikatorer

Statusindikator for el-værktøj (25)		
Farve	**Betydning**	**Løsning**
grøn	El-værktøjet er tændt og klar til brug.	–
gul	En hændelse kræver din opmærksomhed: Kritisk temperatur, akkuen er næsten afladet, eller der skal snart udføres vedligeholdelse.	– Lad el-værktøj køle af. – Udskift eller oplad akku. – Få udført vedligeholdelse.
rød	El-værktøjet er ikke klar til brug. Årsag: El-værktøjet er overophedet, akkuen er afladet, eller der foreligger en mekanisk fejl.	– Lad el-værktøj køle af. – Udskift eller oplad akku. – Få udført vedligeholdelse.
rødt blinkende	– Udløseren **(6)** blev trykket ned for tidligt. – Udløseren **(6)** blev ikke trykket ned inden for 5 sekunder, og motoren slukker automatisk. – Kontakterne blev betjent i forkert rækkefølge (f.eks. blev udløseren trykket ned, før elværktøjet var skiftet til kontaktudløsningsmodus).	– Vent et øjeblik, indtil tilstandsvisningen lyser grønt. – El-værktøjet er atter klar til brug. – Foretag en ny inddrivning, og vær i den forbindelse opmærksom på aktiveringsrækkefølgen. – Foretag tilpasning af udløsersystemet via brugerinterfacet.

Kontrollampe akku-ladetilstand (26)		
Symbol	**Farve**	**Ladeniveau**
–	–	20-100%
	Gul	1-20%
	Rød	0-1%

Visningen Vedligeholdelse			
Symbol	**Farve**	**Betydning**	**Løsning**
	Gul	Det er tid til det planlagte vedligeholdelsestrin "lavt".	Kontakt kundeservice.
	Gul	Det er tid til det planlagte vedligeholdelsestrin "højt".	Kontakt kundeservice.

Tryk på knappen Reset **(29)** for at nulstille vedligeholdelsestælleren efter vedligeholdelse.

Arbejdsvejledning

Før du påbegynder arbejdet, skal du kontrollere, at sikkerheds- og udløseranordningerne fungerer problemfrit, og at alle skruer og møtrikker sidder godt fast.
Hvis el-værktøjet er defekt eller ikke virker problemfrit, skal du straks afbryde det fra strømforsyningen og kontakte en autoriseret Bosch-kundeserviceafdeling.

Foretag ikke uautoriserede ændringer på el-værktøjet. Afmonter eller bloker ikke nogen dele af el-værktøjet som for eksempel udløsersikringen.

Foretag ikke "nødreparationer" med uegnede midler. El-værktøjet skal vedligeholdes regelmæssigt og korrekt.

Undgå at svække og beskadige el-værktøjet, f.eks. ved at:
- lave udstansninger eller graveringer
- foretage ændringer, som ikke er godkendt af producenten
- anvende skabeloner, som er fremstillet af hårdmetal som f.eks. stål
- lade det falde ned på gulvet eller skubbe det hen over jorden
- bruge det som hammer
- behandle det voldsomt.

Undersøg, hvad der befinder sig under eller bag emnet. Skyd ikke søm i en vægge, lofter eller gulve, hvis der befinder sig mennesker på den anden side. Sømmene kan ryge igennem emnet og kvæste andre mennesker.

Skyd aldrig et søm ned oven i et andet søm. Sømmet kan blive deformeret og gå fast, eller el-værktøjet kan bevæge sig ukontrolleret.

Hvis el-værktøjet anvendes under kolde forhold, er inddrivningen af de første søm langsommere end normalt. Når el-værktøjet er blevet varmt efter nogen tid, stiger arbejdshastigheden til det normale niveau.

Affyr aldrig el-værktøjet med tomt magasin, da slagstemplet ellers slides for hårdt.

Sluk el-værktøjet, når du holder pauser, eller når arbejdet er slut, tag batteriet ud, og tøm så vidt muligt magasinet.

Tømning af magasin (se billede C1–C2)
- Sluk for el-værktøjet, og tag akkuen ud **(11)**.
- Træk magasinholderen **(15)** bagud, mens sømholderen **(16)** holdes nede, indtil sømholderen frigiver den sidste søm, og skub derefter magasinholderen forsigtigt fremad til begyndelsen af magasinet **(14)**.

Bemærk! Lad ikke magasinskyderen springe tilbage af sig selv. Det kan ødelægge magasinskyderen, og der er risiko for, at du får fingrene i klemme.
- Drej el-værktøjet, så sømmene i magasinet glider bagud til magasinfjederen **(21)**.
- Tryk magasinfjederen ned, og lad sømmet glide forbi sømmedbringeren **(16)** og ud af magasinet **(14)**.

Indstilling af dybdeanslag (se billede D)

Sømmenes inddrivningsdybde kan indstilles med indstillingshjulet **(5)**.
- Tøm magasinet **(14)**.
- **Søm indskydes for dybt:** Hvis du vil reducere inddrivningsdybden, skal du dreje indstillingshjulet **(5)** i retningen "–".



- **Søm indskydes ikke dybt nok:** Hvis du vil reducere inddrivningsdybden, skal du dreje indstillingshjulet **(5)** i retningen "+".



Via visningen af dybdeanslagsindstillingen **(4)** kan du kontrollere indstillingen af dybdeanslaget.
- Fyld magasinet op igen.
- Afprøv den nye inddrivningsdybde på et prøveemne. Gentag om nødvendigt arbejdstrinnene.

Løsning af fastsiddende søm (se billede E1–E2)

Enkelte søm kan gå fast i skudkanalen. Hvis det sker, skal du kontakte en autoriseret Bosch-kundeserviceafdeling.

Bemærk! Hvis slagstemplet ikke længere kører tilbage, efter at du har frigjort det fastsiddende søm, skal du kontakte en autoriseret Bosch-kundeserviceafdeling.
- Slip udløseren **(6)**.
- Sluk el-værktøjet, og tag akkuen **(11)** ud.
- Tøm magasinet **(14)**.
- Tryk spændehåndtag **(3)** nedad, så skudkanalen kan åbnes.
- Fjern det fastsiddende søm. Brug om nødvendigt en tang.
- Luk skudkanalen, hæng bøjlen på spændehåndtaget **(3)** ind i krogen på skudkanalen, og tryk derefter spændehåndtaget nedad igen.
- Fyld magasinet op igen.

Udskiftning af emnebeskytter (se billede F)

Emnebeskytteren **(1)** for enden af udløsersikringen **(2)** beskytter emnet, indtil el-værktøjet er anbragt korrekt i forhold til den ønskede inddrivning. Emnebeskytteren kan fjernes og udskiftes
- Slip udløseren **(6)**.
- Sluk el-værktøjet, og tag akkuen **(11)** ud.
- Tøm magasinet **(14)**.

– Træk emnebeskytteren af udløsersikringen.
– Skub den nye emnebeskytter med den åbne ende over udløsersikringen.

Bemærk! Du kan opbevare en ekstra emnebeskytter på oversiden af magasinet **(14)**. Skub i den forbindelse emnebeskytteren ind i depotet **(12)**.

Transport og opbevaring

Sluk el-værktøjet før transport, herunder især hvis du bruger stige eller bevæger dig med en uvant kropsholdning.

Bær kun el-værktøjet i håndgrebet **(19)** uden at holde fingeren på udløseren **(6)**.

Tag altid akkuen ud af el-værktøjet, før du stiller det til opbevaring, og opbevar det altid et tørt og varmt sted.

Hvis el-værktøjet ikke skal bruges i længere tid, skal du smøre værktøjsdele i stål med et tyndt lag olie. Det forhindrer rustdannelse.

Vedligeholdelse og service

Vedligeholdelse og rengøring

▶ **Tag akkuen ud af el-værktøjet, før du udfører arbejde på det (f.eks. vedligeholdelse, værktøjsskift, etc.).** Utilsigtet aktivering af tænd/sluk-knappen er forbundet med kvæstelsesfare.

▶ **El-værktøj og ventilationsåbninger skal altid holdes rene for at sikre et godt og sikkert arbejde.**

Vedligeholdelse

Rengør magasinet **(14)**. Fjern plast- eller træspåner, som kan samle sig i magasinet under arbejdet. Rengør el-værktøjet vha. trykluft med regelmæssige mellemrum.

Foranstaltning	Begrundelse	Udførelse
Rengør magasin **(14)** og magasinskyder **(15)**.	Forhindrer, at et søm går fast.	– Blæs magasinets/magasinskyderens mekanisme ren med trykluft hver dag.
Sørg for, at udløsersikringen **(2)** fungerer korrekt.	Øger arbejdssikkerheden og sikrer en effektiv brug af el-værktøjet.	– Blæs udløsersikringens mekanisme ren med trykluft hver dag.

Afhjælpning af fejl

Problem	Årsag	Afhjælpning
El-værktøjet er ikke klar til drift.	Akkuen er ikke ladet op eller er defekt.	– Lad akkuen helt op, eller udskift den.
	Akkuen er ikke sat rigtigt i.	– Sørg for, akkuen er gået i indgreb i håndgrebet.
	Akkuen er for varm eller kold.	– Vent, indtil akkuen (igen) har nået den optimale driftstemperatur.
	Akku-kontakterne, motoren eller løftemagneten er snavsede eller defekte.	– Kontakt et autoriseret Bosch-servicecenter. Få udskiftet komponenten der.
	Magasinet **(14)** er tomt.	– Fyld magasinet op igen. (se "Påfyldning af magasin (se billeder **A1**–**A4**)", Side 11)
	Udløsersikringen **(2)** er bøjet.	– Kontakt et autoriseret Bosch-servicecenter. Få udskiftet komponenten der.
	Elektronikken er defekt.	– Kontakt et autoriseret Bosch-servicecenter.
	Brugergrænsefladen **(9)** fungerer ikke.	– Kontakt et autoriseret Bosch-servicecenter.
El-værktøjet er klar til drift, men der skydes ikke søm ud.	Følgende komponenter kan være defekte: – Udløser **(6)** – Slagstempel – Motor eller drivrem – Elektronik – Gummibånd	– Kontakt et autoriseret Bosch-servicecenter. Få udskiftet komponenten der.
	Der har samlet sig fremmedlegemer i beskyttelsesmekanismen.	– Kontakt et autoriseret Bosch-servicecenter. Få udskiftet komponenten der.
	Der har samlet sig fremmedlegemer i mundingen **(18)** eller i magasinet. **(14)** .	– Rengør mundingen **(18)** eller magasinet **(14)**.
	Et søm er gået fast i skudkanalen.	– Fjern fastklemningen. (se "Løsning af fastsiddende søm (se billede **E1**–**E2**)", Side 13)

Problem	Årsag	Afhjælpning
	Magasinskyderen **(15)** er defekt.	– Rengør magasinskyderen **(15)** efter behov, og sørg for, at magasinet **(14)** ikke er snavset.
	Fjederen i magasinskyderen er for svag eller defekt.	– Kontakt et autoriseret Bosch-servicecenter. Få udskiftet komponenten der.
	De anvendte inddrivningsgenstande er ikke godkendt.	– Brug kun originalt tilbehør. Der må kun bruges inddrivningsgenstande (søm, klammer etc.), som er angivet i tabellen "Tekniske data".
	Magasinet **(14)** er tomt.	– Fyld magasinet op igen. (se "Påfyldning af magasin (se billeder **A1**–**A4**)", Side 11)
	Den forkerte skudrækkefølge aktiveres.	– Foretag en ny inddrivning, og vær i den forbindelse opmærksom på aktiveringsrækkefølgen. – Foretag tilpasning af udløsersystemet via brugerinterfacet.
Sømmene skydes for langt ind.	Dybdeanslaget er indstillet for dybt.	– Indstil dybdestoppet til den ønskede dybde. (se "Indstilling af dybdeanslag (se billede **D**)", Side 13)
	Bufferen er slidt ned.	– Kontakt et autoriseret Bosch-servicecenter. Få udskiftet komponenten der.
Sømmene skydes ikke tilstrækkeligt langt ind.	Akkuen er ikke ladet op eller er defekt.	– Lad akkuen helt op, eller udskift den.
	Inddrivelsesgenstandene er for lange.	– Brug kun originalt tilbehør. Der må kun bruges inddrivningsgenstande (søm, klammer etc.), som er angivet i tabellen "Tekniske data".
	Dybdeanslaget er indstillet for højt.	– Indstil dybdestoppet til den ønskede dybde. (se "Indstilling af dybdeanslag (se billede **D**)", Side 13)
El-værktøjet springer søm over eller har for høj traktfremføring.	De anvendte inddrivningsgenstande er ikke godkendt.	– Brug kun originalt tilbehør. Der må kun bruges inddrivningsgenstande (søm, klammer etc.), som er angivet i tabellen "Tekniske data".
	Fjederen i magasinskyderen er for svag eller defekt.	– Kontakt et autoriseret Bosch-servicecenter. Få udskiftet komponenten der.
Sømmene går ofte fast i skudkanalen.	De anvendte inddrivningsgenstande er ikke godkendt.	– Brug kun originalt tilbehør. Der må kun bruges inddrivningsgenstande (søm, klammer etc.), som er angivet i tabellen "Tekniske data".
	Sømmene er for gamle, og limen mellem sømmene kan ikke længere binde.	– Brug en ny sømrække.
De indskudte søm er bøjede.	Slagstemplet er beskadiget.	– Kontakt et autoriseret Bosch-servicecenter. Få udskiftet komponenten der.
	Sømpistolen anvendes til uegnet materiale (f.eks. beton, sten).	– Brug sømpistolen udelukkende til godkendt materiale. (se "Beregnet anvendelse", Side 9)

Kundeservice og anvendelsesrådgivning

https://www.bosch-pt.com/serviceaddresses

Dansk

Tlf. Service Center: 44898855

Produktets 10-cifrede typenummer (se typeskilt) skal altid angives ved forespørgsler og bestilling af reservedele.

Bortskaffelse

El-værktøj, akku, tilbehør og emballage skal genbruges på en miljøvenlig måde.



Smid ikke el-værktøj og akkuer/batterier ud sammen med det almindelige husholdningsaffald!

Gælder kun i EU-lande:

Elektriske og elektroniske apparater eller brugte batterier, der ikke længere er brugbare, skal indsamles separat og bortskaffes på en miljøvenlig måde. Brug de angivne indsam-

lingssystemer. Forkert bortskaffelse kan være skadeligt for miljø og sundhed på grund af de indeholdte farlige stoffer.

Producentgaranti

https://www.bosch-pt.com/guarantee/202601

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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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