



Professional HEAVY DUTY

GTH 18V-14

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GERMANY

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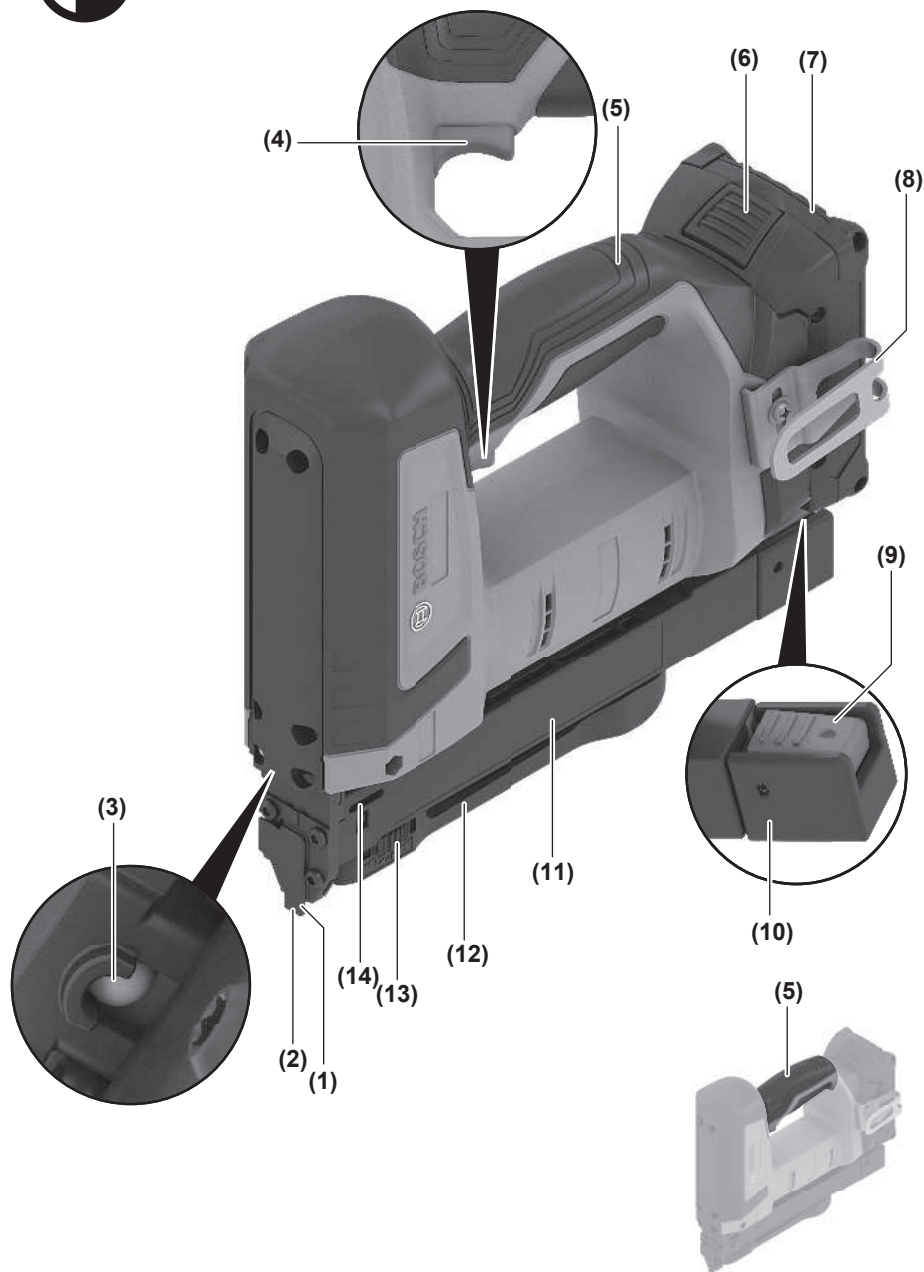
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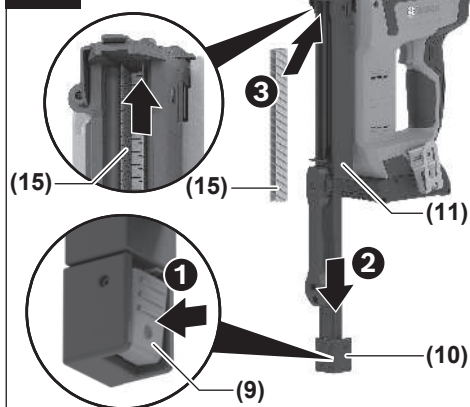
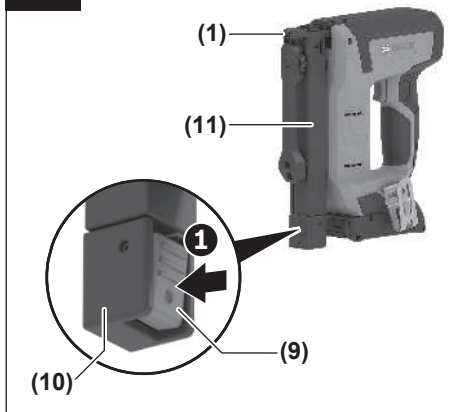
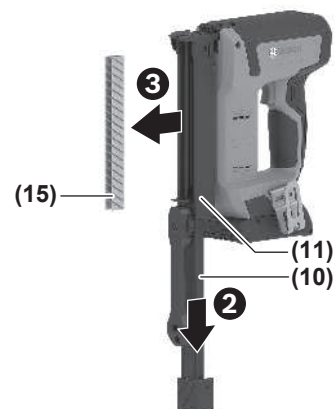
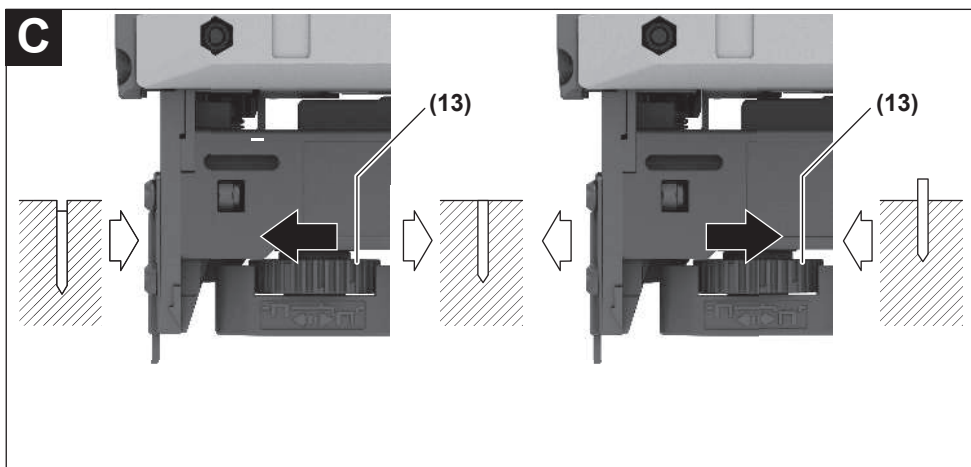


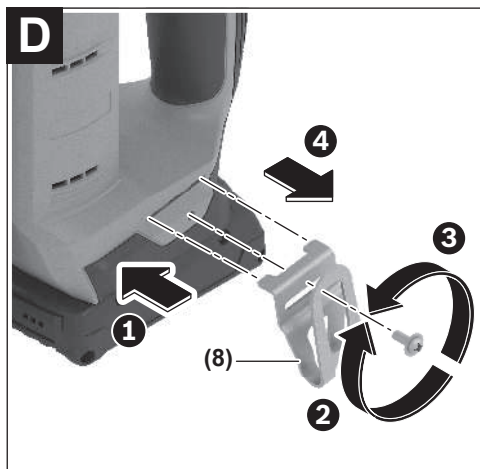
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A1**A2****B1****B2****C**



Português

Instruções de segurança

Instruções gerais de segurança para ferramentas eléctricas

AVISO

Devem ser lidas todas as indicações de segurança,

instruções, ilustrações e especificações desta ferramenta eléctrica. O desrespeito das instruções apresentadas abaixo poderá resultar em choque eléctrico, incêndio e/ou ferimentos graves.

Guarde bem todas as advertências e instruções para futura referência.

O termo "ferramenta eléctrica" utilizado a seguir nas indicações de advertência, refere-se a ferramentas eléctricas operadas com corrente de rede (com cabo de rede) e a ferramentas eléctricas operadas com acumulador (sem cabo de rede).

Segurança da área de trabalho

- ▶ **Mantenha a sua área de trabalho sempre limpa e bem iluminada.** Desordem ou áreas de trabalho insuficientemente iluminadas podem levar a acidentes.
- ▶ **Não trabalhar com a ferramenta eléctrica em áreas com risco de explosão, nas quais se encontrem líquidos, gases ou pós inflamáveis.** Ferramentas eléctricas produzem faíscas, que podem inflamar pós ou vapores.
- ▶ **Manter crianças e outras pessoas afastadas da ferramenta eléctrica durante a utilização.** No caso de distração é possível que perca o controlo sobre o aparelho.

Segurança eléctrica

- ▶ **Manter o aparelho afastado de chuva ou humidade.** A infiltração de água numa ferramenta eléctrica aumenta o risco de choque eléctrico.

Segurança de pessoas

- ▶ **Esteja atento, observe o que está a fazer e tenha prudência ao trabalhar com a ferramenta eléctrica.** Não utilizar uma ferramenta eléctrica quando estiver fatigado ou sob a influência de drogas, álcool ou medicamentos. Um momento de descuido ao utilizar a ferramenta eléctrica, pode levar a lesões graves.
- ▶ **Utilizar equipamento de protecção individual. Utilizar sempre óculos de protecção.** A utilização de equipamento de protecção pessoal, como máscara de protecção contra pó, sapatos de segurança antiderrapantes, capacete de segurança ou protecção auricular, de acordo com o tipo e aplicação da ferramenta eléctrica, reduz o risco de lesões.
- ▶ **Evitar uma colocação em funcionamento involuntária.** Assegure-se de que a ferramenta eléctrica esteja desligada, antes de conectá-la à alimentação de rede

e/ou ao acumulador, antes de levantá-la ou de transportá-la. Se tiver o dedo no interruptor ao transportar a ferramenta eléctrica ou se o aparelho for conectado à alimentação de rede enquanto estiver ligado, poderão ocorrer acidentes.

- ▶ **Remover ferramentas de ajuste ou chaves de boca antes de ligar a ferramenta eléctrica.** Uma ferramenta ou chave que se encontre numa parte do aparelho em movimento pode levar a lesões.
- ▶ **Evite uma posição anormal. Mantenha uma posição firme e mantenha sempre o equilíbrio.** Desta forma é mais fácil controlar a ferramenta eléctrica em situações inesperadas.
- ▶ **Usar roupa apropriada. Não usar roupa larga nem jóias. Mantenha os cabelos e roupas afastados de peças em movimento.** Roupas frouxas, cabelos longos ou jóias podem ser agarrados por peças em movimento.
- ▶ **Se for possível montar dispositivos de aspiração ou de recolha, assegure-se de que estejam conectados e utilizados correctamente.** A utilização de uma aspiração de pó pode reduzir o perigo devido ao pó.
- ▶ **Não deixe que a familiaridade resultante de uma utilização frequente de ferramentas permita que você se torne complacente e ignore os princípios de segurança da ferramenta.** Uma acção descuidada pode causar ferimentos graves numa fracção de segundo.

Utilização e manuseio cuidadoso de ferramentas eléctricas

- ▶ **Não sobrecarregue a ferramenta eléctrica. Utilize a ferramenta eléctrica apropriada para o seu trabalho.** É melhor e mais seguro trabalhar com a ferramenta eléctrica apropriada na área de potência indicada.
- ▶ **Não utilizar uma ferramenta eléctrica com um interruptor defeituoso.** Uma ferramenta eléctrica que não pode mais ser ligada nem desligada, é perigosa e deve ser reparada.
- ▶ **Puxar a ficha da tomada e/ou remover o acumulador, se amovível, antes de executar ajustes na ferramenta eléctrica, de substituir acessórios ou de guardar as ferramentas eléctricas.** Esta medida de segurança evita o arranque involuntário da ferramenta eléctrica.
- ▶ **Guardar ferramentas eléctricas não utilizadas fora do alcance de crianças e não permitir que as pessoas que não estejam familiarizadas com o aparelho ou que não tenham lido estas instruções utilizem o aparelho.** Ferramentas eléctricas são perigosas se forem utilizadas por pessoas inexperientes.
- ▶ **Tratar a ferramenta eléctrica e os acessórios com cuidado. Controlar se as partes móveis do aparelho funcionam perfeitamente e não emperram, e se há peças quebradas ou danificadas que possam prejudicar o funcionamento da ferramenta eléctrica.** Permitir que peças danificadas sejam reparadas antes da utilização. Muitos acidentes têm como causa, a manutenção insuficiente de ferramentas eléctricas.

- ▶ **Manter as ferramentas de corte afiadas e limpas.** Ferramentas de corte cuidadosamente tratadas e com cantos de corte afiados emperram com menos frequência e podem ser conduzidas com maior facilidade.
- ▶ **Utilizar a ferramenta eléctrica, acessórios, ferramentas de aplicação, etc. conforme estas instruções. Considerar as condições de trabalho e a tarefa a ser executada.** A utilização de ferramentas eléctricas para outras tarefas a não ser as aplicações previstas, pode levar a situações perigosas.
- ▶ **Mantenha os punhos e as superfícies de agarrar secas, limpas e livres de óleo e massa consistente.** Punhos e superfícies de agarrar escorregadias não permitem o manuseio e controle seguros da ferramenta em situações inesperadas.

Manuseio e utilização cuidadosos de ferramentas com acumuladores

- ▶ **Só carregar acumuladores em carregadores recomendados pelo fabricante.** Há perigo de incêndio se um carregador apropriado para um certo tipo de acumuladores for utilizado para carregar acumuladores de outros tipos.
- ▶ **Só utilizar ferramentas eléctricas com os acumuladores apropriados.** A utilização de outros acumuladores pode levar a lesões e perigo de incêndio.
- ▶ **Manter o acumulador que não está sendo utilizado afastado de cliques, moedas, chaves, parafusos ou outros pequenos objectos metálicos que possam causar um curto-circuito dos contactos.** Um curto-circuito entre os contactos do acumulador pode ter como consequência queimaduras ou fogo.
- ▶ **No caso de aplicação incorrecta pode vaziar líquido do acumulador. Evitar o contacto. No caso de um contacto accidental, deverá enxaguar com água. Se o líquido entrar em contacto com os olhos, também deverá consultar um médico.** Líquido que escapa do acumulador pode levar a irritações da pele ou a queimaduras.
- ▶ **Não use um acumulador ou uma ferramenta danificada ou modificada.** Os acumuladores danificados ou modificados exibem um comportamento imprevisível podendo causar incêndio, explosão ou risco de lesão.
- ▶ **Não exponha o acumulador ou a ferramenta ao fogo ou temperatura excessiva.** A exposição ao fogo ou a temperaturas acima de 130 °C pode causar explosão.
- ▶ **Siga todas as instruções de carregamento e não carregue o acumulador ou a ferramenta fora da faixa de temperatura especificada no manual de instruções.** Carregar indevidamente ou em temperaturas fora da faixa especificada pode danificar o acumulador e aumentar o risco de incêndio.

Serviço

- ▶ **Só permita que o seu aparelho seja reparado por pessoal especializado e qualificado e só com peças de reposição originais.** Desta forma é assegurado o funcionamento seguro do aparelho.

- ▶ **Nunca tente reparar acumuladores danificados.** A reparação de acumuladores deve ser realizada apenas pelo fabricante ou agentes de assistência autorizados.

Instruções de segurança para grampeadores

- ▶ **Assuma sempre que o agrafador contém agrafos.** O manuseamento descuidado do agrafador poderá resultar no disparo inesperado dos agrafos e em ferimentos pessoais.
- ▶ **Desligue o agrafador da fonte de alimentação ao carregar e descarregar agrafos, fazer ajustes ou mudar de acessórios.** O agrafador poderá ser ativada acidentalmente se estiver ligada à fonte de alimentação, o que poderá resultar em ferimentos pessoais.
- ▶ **Tenha cuidado ao manusear agrafos, especialmente ao carregar e descarregar os mesmos.** Os agrafos têm pontas afiadas, o que poderá resultar em ferimentos pessoais.
- ▶ **Não aponte a ferramenta para si nem para qualquer outra pessoa nas proximidades.** O acionamento inadvertido do gatilho irá ejetar um agrafado, o que poderá resultar em ferimentos pessoais.
- ▶ **Manter os dedos afastados do gatilho quando não estiver a operar o agrafador e quando passar de uma posição de operação para outra.** Um acionamento inadvertido pode descarregar um agrafado, o que pode resultar em ferimentos pessoais.
- ▶ **Segure a agrafador nas superfícies de agarrar isoladas, ao executar uma operação onde o agrafado possa entrar em contacto com cabos escondidos.** O contacto do agrafado com um fio "sob tensão" irá colocar as partes metálicas expostas do agrafador "sob tensão" e produzir um choque elétrico.
- ▶ **Segure firmemente o agrafador durante a operação.** O recuo descontrolado do agrafador pode causar uma ativação não intencional, o que poderá resultar em ferimentos pessoais.
- ▶ **Mantenha todas as partes do corpo, como mãos e pernas, etc., longe da direção de disparo do agrafador.** O agrafado pode penetrar na peça de trabalho, bem como em qualquer objeto atrás dela, o que poderá resultar em ferimentos pessoais.
- ▶ **Ao usar o agrafador, mantenha todas as partes do corpo, como mãos e pernas, etc. longe da área onde os agrafos são inseridos na peça de trabalho.** O agrafado pode desviar-se e sair da peça de trabalho, o que poderá resultar em ferimentos pessoais.
- ▶ **Não acione o agrafador a menos que este esteja posicionado com firmeza contra a peça de trabalho.** Se o agrafador não estiver em contacto com a peça de trabalho, o agrafado pode desviar-se da peça de trabalho, o que poderá resultar em ferimentos pessoais.
- ▶ **Não utilize este agrafador para fixar cabos elétricos.** Esta não foi concebida para a instalação de cabos elétricos e poderá danificar o isolamento destes, podendo causar choques elétricos ou riscos de incêndio.

- ▶ **Desligue o agrafador da fonte de alimentação se um agrafador ficar bloqueado no agrafador.** Ao remover um agrafador bloqueado, o agrafador poderá ser ativado acidentalmente se estiver ligado à fonte de alimentação, o que poderá resultar em ferimentos pessoais.
- ▶ **Tenha cuidado ao remover um agrafador bloqueado.** O mecanismo poderá estar sob compressão e o agrafador poderá ser vigorosamente ejetado, o que poderá resultar em ferimentos pessoais.
- ▶ **Utilizar detetores apropriados, para encontrar cabos escondidos, ou consulte a companhia elétrica local.** O contacto com cabos elétricos pode provocar fogo e choques elétricos. Danos em tubos de gás podem levar à explosão. A infiltração num cano de água provoca danos materiais.
- ▶ **Em caso de danos e de utilização incorreta da bateria, podem escapar vapores. A bateria pode incendiar-se ou explodir.** Areje o espaço e procure assistência médica no caso de apresentar queixas. É possível que os vapores irritem as vias respiratórias.
- ▶ **Não altere nem abra o acumulador.** Há perigo de haver um curto-circuito.
- ▶ **Os objetos afiados como, p. ex., pregos ou chaves de fendas, assim como o efeito de forças externas podem danificar o acumulador.** Podem causar um curto-circuito interno e o acumulador pode ficar queimado, deitar fumo, explodir ou sobreaquecer.
- ▶ **Utilize a bateria apenas em produtos do fabricante.** Só assim é que a bateria é protegida contra sobrecarga perigosa.



Proteja a bateria contra calor, p. ex. também contra uma permanente radiação solar, fogo, sujidade, água e humidade. Há risco de explosão

ou de um curto-circuito.

Símbolos e seus significados

Os seguintes símbolos podem ser importantes para a utilização da sua ferramenta elétrica. Os símbolos e os seus significados devem ser memorizados. A interpretação correta dos símbolos facilita a utilização segura e aprimorada da ferramenta elétrica.

Símbolos e seus significados



Use proteção auditiva. Ruídos podem provocar a surdez.



Use óculos de proteção.

Descrição do produto e do serviço

Utilização adequada

A ferramenta elétrica destina-se a cravar agrafadores em madeira.

Só podem ser usados os elementos fixadores (pregos, agrafos, etc.) especificados na tabela «Dados Técnicos».

Nota: A ferramenta elétrica destina-se a fixar agrafos em metal ou betão.

Componentes ilustrados

A numeração dos componentes ilustrados refere-se à apresentação da ferramenta elétrica na página de esquemas.

- (1) Segurança antidisparo
- (2) Bocal
- (3) Luz de trabalho
- (4) Disparador
- (5) Punho (superfície do punho isolada)
- (6) Tecla de desbloqueio da bateria
- (7) Bateria
- (8) Gancho para cinto
- (9) Interruptor para abrir o carregador
- (10) Cursor do carregador
- (11) Carregador
- (12) Batente de profundidade
- (13) Roda para ajuste do batente de profundidade
- (14) Visor de inspeção da indicação de reenchimento
- (15) Tira de agrafos^{a)}

a) **Este acessório não pertence ao volume de fornecimento.**

Dados técnicos

Agrafador sem fio		GTH 18V-14
Número de produto		3 601 D82 8..
Tensão nominal	V=	18
Sistemas de disparo		
– Disparo individual com segurança antidisparo		●
– Disparo de contacto		●
Objeto a inserir		
– Tipo		Agrafos achatados Bosch tipo 57
– Largura do arame do agrafador	mm	10,6
– Comprimento	mm	6–14
– Espessura	mm	1,25
– Ângulo		0°
Capacidade máx. do carregador		100
Dimensões (sem bateria)		

Agrafador sem fio		GTH 18V-14
– Altura	mm	223
– Largura	mm	81
– Comprimento com elemento de contacto	mm	247
Peso ^{A)}	kg	1,8
Temperatura ambiente recomendada durante o carregamento	°C	0 ... +35
Temperatura ambiente admissível em funcionamento ^{B)} e durante o armazenamento	°C	-20 ... +50
Baterias compatíveis		GBA18V... GBA 18V... ProCORE18V... EXPERT18V... EXBA18V... CORE18V...
Baterias recomendadas para potência máxima		GBA 18V... ≥ 2,0 Ah
Carregadores recomendados		GAL18... GAL 18... GAL 36... GAL12V/18... GAL 12V/18... GAX 18... EXAL18...

A) Sem bateria (encontra o peso da bateria em www.bosch-professional.com)

B) potência limitada perante temperaturas < 0 °C

Os valores podem variar em função do produto e estar sujeitos a condições de aplicação e do meio ambiente. Para mais informações consulte www.bosch-professional.com/wac.

Informação sobre ruídos/vibrações

Os valores de emissão de ruído foram determinados de acordo com **EN IEC 62841-2-16**.

O nível sonoro avaliado como A da ferramenta elétrica é normalmente de: nível de pressão sonora **87 dB(A)**; nível de potência sonora **97 dB(A)**. Incerteza K = **3 dB**.

Utilizar proteção auditiva!

Valores de vibração a_h (vibrações contínuas), p_f (vibrações repetidas de impacto) e incerteza K apurados conforme

EN IEC 62841-2-16:

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

O nível de vibrações indicado nestas instruções e o valor de emissões sonoras foram medidos de acordo com um processo de medição normalizado e podem ser utilizados para a comparação de ferramentas elétricas. Também são adequados para uma avaliação provisória das emissões sonoras e de vibrações.

O nível de vibrações indicado e o valor de emissões sonoras representam as aplicações principais da ferramenta elétrica. Se a ferramenta elétrica for utilizada para outras aplicações, com outras ferramentas de trabalho ou com manutenção insuficiente, é possível que o nível de vibrações e de

emissões sonoras seja diferente. Isto pode aumentar sensivelmente a emissão sonora e de vibrações para o período completo de trabalho.

Para uma estimativa exata da emissão sonora e de vibrações, também deveriam ser considerados os períodos nos quais o aparelho está desligado ou funciona, mas não está sendo utilizado. Isto pode reduzir a emissão sonora e de vibrações durante o completo período de trabalho.

Além disso também deverão ser estipuladas medidas de segurança para proteger o operador contra o efeito de vibrações, como por exemplo: manutenção de ferramentas elétricas e acessórios, manter as mãos quentes e organização dos processos de trabalho.

Bateria

Bosch vende ferramentas elétricas sem fio também sem bateria. Pode consultar na embalagem se está incluída uma bateria no volume de fornecimento da sua ferramenta elétrica.

Carregar a bateria

► **Utilize apenas os carregadores listados nos dados técnicos.** Só estes carregadores são apropriados para as baterias de lítio utilizadas para a sua ferramenta elétrica.

Nota: devido a normas de transporte internacionais, as baterias de lítio são fornecidas parcialmente carregadas. Para assegurar a completa potência da bateria, a bateria deverá ser carregada completamente antes da primeira utilização.

Colocar a bateria

Insira a bateria carregada no respetivo encaixe, até que esta esteja engatada.

Retirar a bateria

Para retirar a bateria, pressione a respetiva tecla de desbloqueio e puxe a bateria para fora. **Não empregue força.**

A bateria possui 2 níveis de travamento, que devem evitar, que a bateria caia, caso a tecla de desbloqueio da bateria seja premida por acaso. Enquanto a bateria estiver dentro da ferramenta elétrica, ela é mantida em posição por uma mola.

Indicador do nível de carga da bateria

Nota: Nem todos os tipos de bateria dispõem de um indicador do nível de carga de bateria.

Os LEDs verdes do indicador do nível de carga da bateria indicam o nível de carga da bateria. Por motivos de segurança, a consulta do nível de carga só é possível com a ferramenta elétrica parada.

Prima a tecla para o indicador do nível de carga da bateria  ou  para visualizar o nível de carga. Isto também é possível com a bateria removida.

Se, depois de premir a tecla para o indicador do nível de carga da bateria, não se acender qualquer LED, a bateria tem defeito e tem de ser substituída.

Tipo de bateria GBA 18V... | GBA18V...



LED	Capacidade
Luz permanente 3 × verde	60–100 %
Luz permanente 2 × verde	30–60 %
Luz permanente 1 × verde	5–30 %
Luz intermitente 1 × verde	0–5 %

Tipo de bateria ProCORE18V... | EXPERT18V... | EXBA18V... | CORE18V...



LED	Capacidade
Luz permanente 5 × verde	80–100 %
Luz permanente 4 × verde	60–80 %
Luz permanente 3 × verde	40–60 %
Luz permanente 2 × verde	20–40 %
Luz permanente 1 × verde	5–20 %
Luz intermitente 1 × verde	0–5 %

Deteção de risco de defeito na bateria

EXPERT18V... | EXBA18V...

Os LEDs dos indicadores do nível de carga da bateria podem indicar o risco para um defeito na bateria, para além do nível de carga da bateria.

Para ativar a função, mantenha a tecla para o indicador do nível de carga premida durante 3 segundos. A análise da bateria é sinalizada por uma luz contínua do indicador do nível de carga da bateria. O resultado é exibido no indicador do nível de carga da bateria.

1 LED: a bateria tem um elevado risco de defeito. A potência e a autonomia podem ser logo minimizadas. É recomendado substituir a bateria.

5 LEDs: a bateria está em bom estado com um risco baixo de defeito.

Ter em atenção: a estimativa do risco de defeito na bateria funciona em dois níveis e oferece uma avaliação simplificada do estado. A bateria é avaliada como estando em bom estado ou apresenta um elevado risco de defeito. Não é indicada nenhuma percentagem do estado da bateria.

Indicações sobre o manuseio ideal da bateria

Proteger a bateria contra humidade e água.

Armazene a bateria apenas na faixa de temperatura de –20 °C a 50 °C. Por exemplo, não deixe a bateria dentro do automóvel no verão.

Limpar de vez em quando as aberturas de ventilação da bateria com um pincel macio, limpo e seco.

Um tempo de funcionamento reduzido após o carregamento indica que a bateria está gasta e que deve ser substituída.

Observe as indicações sobre a eliminação de forma ecológica.

Montagem

- ▶ **Antes de qualquer trabalho na ferramenta elétrica (p. ex. manutenção, troca de ferramenta, etc.) retire a bateria da mesma.** Há perigo de ferimentos se o interruptor de ligar/desligar for acionado involuntariamente.
- ▶ **Pouse a ferramenta elétrica sempre de lado e não sobre a bateria.** Consoante a ferramenta de trabalho e a bateria, a ferramenta elétrica pode tombar.

Carregar o carregador (ver figuras A1–A2)

- ▶ **Remova a bateria antes de executar ajustes na ferramenta, de substituir acessórios ou de guardar a ferramenta elétrica.** Esta medida preventiva evita um arranque inadvertido da ferramenta elétrica.

Utilize apenas acessórios originais Bosch. As peças de precisão da ferramenta elétrica como o carregador, o bocal e o canal de disparo estão adaptadas aos **agrafos, pregos e pinos da Bosch**. Outros fabricantes utilizam outras qualidades de aço e dimensões.

Nota: utilize apenas elementos fixadores que estejam especificados na tabela "Dados técnicos".

A utilização de elementos fixadores não permitidos pode danificar a ferramenta elétrica e causar ferimentos.

Durante o carregamento da ferramenta elétrica, segure o carregador de forma a que o bocal **(2)** não aponte para o seu corpo nem para o corpo de outra pessoa.

- Pressione o interruptor **(9)** para abrir o carregador. O cursor do carregador **(10)** avança.
- Coloque uma tira de agramos com as pontas do agrafo a apontar para cima na parte superior do carregador **(11)**.

Nota: uma monitorização eletrónica deteta se existem agramos no carregador. Se a segurança anti-disparo for pressionada com o carregador vazio, é acionado um processo de fixação. Deste modo, são evitados disparos em vazio.

- Puxe o cursor do carregador **(10)** no início do carregador até que o cursor do carregador engate.

Nota: O cursor tem de se poder deslizar para trás sem grande esforço (só com a força do dedo). Um cursor do carregador encravado tem os seguintes efeitos: o agrafo não é disparado, o agrafo fica pendurado no canal de disparo (ver bloqueio) ou o agrafo é disparado no ângulo errado.

Funcionamento

- ▶ **Pouse a ferramenta elétrica sempre de lado e não sobre a bateria.** Consoante a ferramenta de trabalho e a bateria, a ferramenta elétrica pode tombar.

Sistemas de disparo

Disparo individual com segurança antidisparo

Neste sistema de disparo, primeiro tem de ser bem apoiado a segurança antidisparo **(1)** sobre a peça. Um elemento fixador só é disparado, se o disparador **(4)** for pressionado. A seguir podem ser desencadeados mais processos de fixação, se o disparador **(4)** tiver sido repostado para a posição de partida e a segurança antidisparo **(1)** ainda estiver totalmente pressionada.

Disparo de contacto

Neste sistema de disparo tem de ser pressionado primeiro o disparador **(4)** e ser mantido nessa posição. A seguir tem de se apoiar bem a segurança antidisparo **(1)** sobre a peça para disparar o elemento fixador. Enquanto o disparador **(4)** estiver premido, podem ser desencadeados mais processos de fixação, apoiando a ferramenta noutro local.

Colocação em funcionamento

Ligar/desligar

A ferramenta elétrica está operacional após a colocação da bateria **(7)**.

Agrafar – disparo individual

- Apoie bem o bocal **(2)** sobre a peça, até que a segurança antidisparo **(1)** esteja totalmente inserida para dentro. A luz de trabalho **(3)** liga-se.
- De seguida pressione brevemente o disparador **(4)** e volte a soltá-lo. No processo, é disparado um agrafio.
- Para outro processo de fixação, levante a ferramenta elétrica por completo da peça e coloque-a no próximo local desejado. Em alternativa pode manter premida a segurança antidisparo **(1)** e acionar o disparador **(4)**, para disparar mais agrafo.

Agrafar – disparo por contacto

- Mantenha o disparador **(4)** pressionado. A luz de trabalho **(3)** liga-se.
- Apoie bem o bocal **(2)** sobre a peça, até que a segurança antidisparo **(1)** esteja totalmente inserida para dentro. No processo, é disparado um agrafio.
- Para outro processo de fixação continue a manter premido o disparador **(4)** e levante a ferramenta elétrica por completo da peça. Coloque a ferramenta no próximo local desejado. No processo, é disparado outro agrafio.

Nota: espere sempre até que o agrafio seja completamente disparado antes de levantar a ferramenta elétrica da peça.

Instruções de trabalho

- ▶ **Antes de qualquer trabalho na ferramenta elétrica (p. ex. manutenção, troca de ferramenta, etc.) retire a bateria da mesma.** Há perigo de ferimentos se o interruptor de ligar/desligar for acionado involuntariamente.

Antes de começar a trabalhar verificar sempre o funcionamento correto dos dispositivos de segurança e de disparo, assim como o assento correto de todos os parafusos e porcas.

Separe uma ferramenta elétrica com defeito ou funcionamento incorreto imediatamente da alimentação de energia e contacte um posto de serviço pós-venda autorizado da Bosch.

Não efetue quaisquer manipulações irregulares na ferramenta elétrica. Não desmonte nem desbloqueie quaisquer peças da ferramenta elétrica, como p. ex. a segurança antidisparo.

Não efetue quaisquer «reparações de emergência» com meios inadequados. A ferramenta elétrica deve ser sujeita a uma manutenção regular e adequada.

Evite qualquer enfraquecimento ou dano na ferramenta elétrica, p. ex. por:

- impacto ou gravação,
- medidas de conversão não autorizadas pelo fabricante,
- condução ao longo de modelos feitos de metal duro, p. ex. aço,
- quedas ou empurrões pelo chão,
- manuseamento como martelo,
- qualquer tipo de violência.

Verifique o que se encontra por baixo ou por trás da peça. Não dispare agrafo em paredes, tetos ou chão, se se encontrarem pessoas por trás. Os agrafo podem atravessar a peça e ferir alguém.

Não aplique um agrafio sobre um agrafio já colocado. O agrafio pode deformar-se, os agrafo podem ficar presos ou a ferramenta pode movimentar-se de forma descontrolada.

Se a ferramenta elétrica for usada em condições ambiente frias, os agrafo são aplicados mais lentamente do que o habitual. Assim que a ferramenta começar a aquecer durante o trabalho, a velocidade volta à normalidade.

Evitar disparos em vazio, para reduzir o desgaste do punção.

No caso de pausas no trabalho mais prolongadas ou no fim do trabalho, retire a bateria da ferramenta elétrica e esvazie se possível o carregador. Coloque a ferramenta elétrica sobre uma superfície plana de modo a que o elemento de contacto não seja ativado.

Esvaziar o carregador (ver figuras B1–B2)

- Pressione o interruptor **(9)** para abrir o carregador. O cursor do carregador **(10)** avança.
- Rode a ferramenta elétrica de modo a que a tira de agrafo **(15)** no carregador **(11)** deslize para fora.
- Para fechar o carregador, puxe cuidadosamente o cursor do carregador **(10)** para a frente até ao início do carregador **(11)**.

Ajustar o batente de profundidade (ver figura C)

A profundidade de punção dos agrafo pode ser ajustada com a roda **(13)**.

- Esvazie o carregador **(11)**.

- **Os agrafos ficam muito para dentro:** para reduzir a profundidade de punção, rode a roda (13) na

direção .

- **Os agrafos ficam muito para fora:** para aumentar a profundidade de punção, rode a roda (13) na

direção .

Certifique-se de que o batente de profundidade (12) assenta por completo na peça.

- Carregue de novo o carregador.
- Teste a nova profundidade de punção numa peça de ensaio.
- Repita se necessário os passos de trabalho.

Desfazer bloqueios

Alguns agrafos podem ficar encravados no canal de disparo. Se isso acontecer com frequência, entre em contacto com um posto de serviço pós-venda autorizado da Bosch.

- Solte o disparador (4).
- Retire a bateria (7).
- Pressione o interruptor (9) para abrir o carregador.
- Rode a ferramenta elétrica de modo a que a tira de agrafos (15) no carregador (11) deslize para fora. Remova os agrafos encravados. Se necessário, utilize um alicate para o efeito.
- Volte a carregar de novo o carregador (11).
- Puxe o cursor do carregador (10) no início do carregador até que o cursor do carregador engate.

Pano de conservação

Limpe o carregador (11). Remova aparas de madeira que se podem acumular no carregador durante o trabalho. Limpe a ferramenta elétrica em intervalos regulares com a ajuda de ar comprimido.

Medida	Motivo	Execução
Limpar o carregador (11) e o cursor do carregador (10).	Impede que um agrafo encreve.	– Sobre o mecanismo do carregador/cursor do carregador com ar comprimido.
Assegurar que a segurança antidisparo (1) funciona corretamente.	Providencia segurança no trabalho e uma utilização mais eficiente da ferramenta elétrica.	– Sobre o mecanismo da segurança antidisparo com ar comprimido.

Eliminação de falhas

Problema	Causa	Solução
A ferramenta elétrica não está pronta a funcionar.	A bateria não está carregada ou está com defeito.	– Carregue por completo a bateria ou substitua a bateria.
	A bateria não está bem colocada.	– Certifique-se de que a bateria está encaixada no punho.
	A temperatura da bateria está muito alta ou muito baixa.	– Esperar até que a bateria alcance (novamente) a temperatura de serviço ideal.
	Todos os contactos da bateria ou motor estão sujos ou com defeito.	– Entre em contacto com um posto de assistência técnica Bosch autorizado. Mande substituir lá o componente.

Transporte e armazenamento

Retire a bateria da ferramenta elétrica para o transporte, especialmente se usar escadotes ou no caso de se movimentar numa postura corporal não habitual.

Transporte a ferramenta elétrica no ambiente de trabalho apenas pelo punho (5) e com o disparador (4) não acionado.

Armazene a ferramenta elétrica sempre separada da bateria e num local seco e quente.

Se não vai usar a ferramenta elétrica durante um período de tempo prolongado, aplique uma camada fina de óleo nas peças de aço. Isso evita que enferrujem.

Gancho para cinto (ver figura D)

Com o gancho para cinto (8) pode pendurar a ferramenta elétrica, p. ex., num cinto. Desta forma terá ambas as mãos livres e a ferramenta elétrica estará sempre ao alcance.

Manutenção e assistência técnica

Manutenção e limpeza

- **Antes de qualquer trabalho na ferramenta elétrica (p. ex. manutenção, troca de ferramenta, etc.) retire a bateria da mesma.** Há perigo de ferimentos se o interruptor de ligar/desligar for acionado involuntariamente.
- **Manter a ferramenta elétrica e as aberturas de ventilação sempre limpas, para trabalhar bem e de forma segura.**

Problema	Causa	Solução
A ferramenta elétrica está operacional, mas não são disparados agrafos.	O carregador (11) está vazio.	– Carregue de novo o carregador. (ver "Carregar o carregador (ver figuras A1-A2)", Página 10)
	A segurança antidisparo (1) está dobrada.	– Entre em contacto com um posto de assistência técnica Bosch autorizado. Mande substituir lá o componente.
	A eletrónica está com defeito.	– Entre em contacto com um posto de assistência técnica Bosch autorizado.
	Possível defeito nos seguintes componentes: – Disparador (4) – Punção – Motor ou transmissão – Eletrónica	– Entre em contacto com um posto de assistência técnica Bosch autorizado. Mande substituir lá o componente.
	Acumularam-se corpos estranhos no mecanismo de disparo.	– Entre em contacto com um posto de assistência técnica Bosch autorizado. Mande substituir lá o componente.
	Acumularam-se corpos estranhos no bocal (2) ou no carregador (11) .	– Limpe o bocal (2) ou o carregador (11) .
	Está preso um agrafo no canal de disparo.	– Elimine o bloqueio. (ver "Desfazer bloqueios", Página 12)
	O cursor do carregador (10) está preso ou tem defeito.	– Se necessário, limpe o cursor do carregador (10) e certifique-se de que o carregador (11) não está sujo. – Entre em contacto com um posto de assistência técnica Bosch autorizado. Mande substituir lá o componente.
	A mola do cursor do carregador está fraca ou com defeito.	– Entre em contacto com um posto de assistência técnica Bosch autorizado. Mande substituir lá o componente.
	Os agrafos usados não são permitidos.	– Utilize apenas acessórios originais. Só podem ser usados os agrafos especificados na tabela "Dados Técnicos".
Os agrafos ficam muito para dentro.	O carregador (11) está vazio.	– Carregue de novo o carregador. (ver "Carregar o carregador (ver figuras A1-A2)", Página 10)
	O disparador (4) e a segurança antidisparo (1) foram acionados em simultâneo..	– Efetuar novamente o processo de fixação e, no processo, ter atenção à sequência de acionamento correta.
	O batente de profundidade (12) está ajustado demasiado baixo. O batente de profundidade (12) não está completamente assente na peça.	– Ajuste o batente de profundidade (12) para a profundidade desejada. (ver "Ajustar o batente de profundidade (ver figura C)", Página 11) – Certifique-se de que o batente de profundidade (12) assenta completamente na peça.
	O batente está gasto.	– Entre em contacto com um posto de assistência técnica Bosch autorizado. Mande substituir lá o componente.

Problema	Causa	Solução
Os agramos ficam muito para fora.	A bateria não está carregada ou está com defeito.	– Carregue por completo a bateria ou substitua a bateria.
	Os agramos usados são muito compridos.	– Utilize apenas acessórios originais. Só podem ser usados os agramos especificados na tabela "Dados Técnicos".
	O batente de profundidade está ajustado demasiado alto.	– Ajuste o batente de profundidade para a profundidade desejada. (ver "Ajustar o batente de profundidade (ver figura C)", Página 11)
	A pressão sobre a peça é demasiado reduzida.	– Aplique mais pressão à peça de trabalho através da ferramenta elétrica.
	O punção tem defeito.	– Entre em contacto com um posto de assistência técnica Bosch autorizado. Mandar substituir lá o componente.
A ferramenta elétrica salta agramos.	Os agramos usados não são permitidos.	– Utilize apenas acessórios originais. Só podem ser usados os agramos especificados na tabela "Dados Técnicos".
	A mola do cursor do carregador está fraca ou com defeito.	– Entre em contacto com um posto de assistência técnica Bosch autorizado. Mandar substituir lá o componente.
Os agramos ficam muitas vezes presos no canal de disparo.	Os agramos usados não são permitidos.	– Utilize apenas acessórios originais. Só podem ser usados os agramos especificados na tabela "Dados Técnicos".
		– Entre em contacto com um posto de assistência técnica Bosch autorizado.
	Os agramos estão envelhecidos, a cola entre os agramos já não tem força de retenção.	– Utilize uma tira de agramos nova
Os agramos disparados estão dobrados.	O punção está danificado.	– Entre em contacto com um posto de assistência técnica Bosch autorizado. Mandar substituir lá o componente.
	A ferramenta elétrica é utilizada para material não permitido (p. ex. betão, pedra).	– Utilize a ferramenta elétrica apenas para material permitido. (ver "Utilização adequada", Página 8)

Serviço pós-venda e aconselhamento

Brasil

Robert Bosch Ltda. – Divisão de Ferramentas Elétricas
Rodovia Anhanguera, Km 98 – Parque Via Norte
13065-900, CP 1195
Campinas, São Paulo
Tel.: 0800 7045 446
www.bosch.com.br/contato

Portugal

Tel.: 21 8500000

Indique para todas as questões e encomendas de peças sobressalentes a referência de 10 dígitos de acordo com a placa de características do produto.

Eliminação

As ferramentas elétricas, as baterias, os acessórios e as embalagens devem ser enviados a uma reciclagem ecológica de matéria prima.



Não deitar ferramentas elétricas e baterias/pilhas no lixo doméstico!

Apenas para países da UE:

Os equipamentos elétricos e eletrónicos ou baterias/pilhas que já não são utilizáveis devem ser recolhidos separadamente e eliminados de forma ecologicamente correta. Utilize os sistemas de recolha designados para o efeito. Uma eliminação incorreta pode ser prejudicial ao

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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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